Appendix 1. Quality assurance data for metal spike recoveries.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry	(	,	Spike Added mg/kg Dry	%R	Q	М
Aug-98	AT17	NA	98.05140E	WATER	Aluminum	75-125	102	15.8	U		102	95.96		ICPMS
Aug-98	AT17	NA NA	98.05140E	WATER	Antimony	75-125	85.2	0.144	0	В	100	85.05		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Arsenic	75-125	47.2	2.67		В	50	89.03		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Barium	75-125	620	394			250	90.4		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Beryllium	75-125	23	0.0216	U		25	92.06		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Cadmium	75-125	23.7	0.089		В	25	94.6		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Calcium	75-125	205000	90300			102000	112.29		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Chromium	75-125	88.8	0.496		В	100	88.31		ICPMS
Aug-98	AT17 AT17	NA NA	98.05140E 98.05140E	WATER WATER	Cobalt	75-125 75-125	83.8 88.2	0.156 3.21		B	100 100	83.59 84.96		ICPMS ICPMS
Aug-98 Aug-98	AT17	NA NA	98.05140E	WATER	Copper Iron	75-125	5860	95.6		В	5500	104.75		ICPMS
Aug-98	AT17	NA NA	98.05140E	WATER	Lead	75-125	45.9	0.425		В	50	91.03		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Magnesium	75-125	124000	25900			102000	96.37		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Manganese	75-125	102	0.62	U		102	99.07		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Nickel	75-125	91.1	11.4		В	100	79.74		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Potassium	75-125	8410	4310		В	5000	81.96		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Selenium	75-125	22.3	0.205	U		25	90.23		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Silver	75-125	468	0.021		В	510	91.7		ICPMS
Aug-98	AT17	NA	98.05140E	WATER	Sodium	75-125	176000	80400			102000	94.05		ICPMS
Aug-98	AT17 AT17	NA NA	98.05140E 98.05140E	WATER WATER	Thallium Vanadium	75-125 75-125	103 86 9	0.135	_	B	102	100.85 85.55		ICPMS ICPMS
Aug-98	AT17 AT17	NA NA	98.05140E 98.05140E	WATER	Vanadium Zinc	75-125 75-125	86.9 135	1.37	-	R	100	85.55 93		ICPMS
Aug-98 Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA NA	98.04181K	WATER	Aluminum	75-125	199	109		В	102	88.14		ICPMS
Aug-98 Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED  CO RIVER, HWY.191 BRIDGE DISSOLVED	NA NA	98.04181K	WATER	Antimony	75-125	83.7	0.233		В	102	83.5		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA NA	98.04181K	WATER	Arsenic	75-125	43.8	1.56		В	50	84.56		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Barium	75-125	156	62.1		В	102	91.75		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Beryllium	75-125	91.1	0.0216	U		102	89.33		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Cadmium	75-125	22.2	0.297		В	25	87.73		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Calcium	75-125	196000	81200			102000	112.47		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Chromium	75-125	85.6	0.763		В	100	84.88		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Cobalt	75-125	83.3	0.159		В	100	83.11		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Copper	75-125	87.5	3.92		В	100	83.53		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED CO RIVER, HWY.191 BRIDGE DISSOLVED	NA NA	98.04181K 98.04181K	WATER	Iron Lead	75-125 75-125	5010 49.6	202 1.27		В	5500 50	87.48 96.68		ICPMS ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED CO RIVER, HWY.191 BRIDGE DISSOLVED	NA NA	98.04181K	WATER	Magnesium		115000	20200		В	102000	92.41		ICPMS
Aug-98 Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA NA	98.04181K	WATER	Manganese	75-125 75-125	101	11.5		В	102000	88.98		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Nickel	75-125	95.5	9.17		В	100	86.35		ICPMS
Aug-98	CO RIVER, HWY 191 BRIDGE DISSOLVED	NA NA	98.04181K	WATER	Potassium	75-125	6830	2820		В	5000	80.3		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Selenium	75-125	24.9	4.06		В	25	83.4		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Silver	75-125	18.8	0.0134	U		25	75.13		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Sodium	75-125	148000	55700			102000	90.41		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Thallium	75-125	101	0.162		В	102	98.37		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Vanadium	75-125	84.8	1.99		В	100	82.81		ICPMS
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED ECRC WELL #1 TOTAL	NA NA	98.04181K 98.04174L	WATER WATER	Zinc	75-125 75-125	550 147	110 51.6		В	510 100	86.31 95.28		ICPMS ICPMS
Aug-98 Aug-98	ECRC WELL #1 TOTAL ECRC WELL #1 TOTAL	NA NA	98.04174L	WATER	Aluminum Antimony	75-125	116	0.0291	U	В	100	115.5		ICPMS
Aug-98	ECRC WELL #1 TOTAL ECRC WELL #1 TOTAL	NA NA	98.04174L	WATER	Arsenic	75-125	56.4	0.048	U	В	50	112.76		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98 04174L	WATER	Barium	75-125	336	67.5		В	250	107.35		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Beryllium	75-125	25.4	0.0216	U		25	101.69		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Cadmium	75-125	28.9	0.063		В	25	115.23		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Calcium	75-125	199000	81200			111000	105.97		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Chromium	75-125	112	1.17		В	100	110.74		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Cobalt	75-125	110	0.393		В	100	109.71		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Copper	75-125	112	4.11		В	100	108.29		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Iron	75-125	6440	230			5500	112.97		ICPMS
Aug-98	ECRC WELL #1 TOTAL ECRC WELL #1 TOTAL	NA NA	98.04174L 98.04174L	WATER	Lead	75-125 75-125	58.4 30400	0.921 25600	_	В	50 5000	114.86 96.4		ICPMS ICPMS
Aug-98 Aug-98	ECRC WELL#I TOTAL ECRC WELL#I TOTAL	NA NA	98.04174L 98.04174L	WATER	Magnesium Manganese	75-125	128	13.9		В	100	114.17		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA NA	98.04174L	WATER	Nickel	75-125	111	6.43		В	100	104.67		ICPMS
Aug-98	ECRC WELL#1 TOTAL	NA NA	98.04174L	WATER	Potassium	75-125	8500	2900		В	5000	111.92		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Selenium	75-125	546	0.205	U		556	98.34		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Silver	75-125	27.4	0.0134	Ü		25	110.22		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Sodium	75-125	30300	26000			5000	87.2		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Thallium	75-125	543	0.875		В	556	97.5		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Vanadium	75-125	108	0.215		В	100	107.49		ICPMS
Aug-98	ECRC WELL #1 TOTAL	NA 10	98.04174L	WATER	Zinc	75-125	286	4.78		В	250	112.41		ICPMS
Feb-99 Feb-99	D10 D10	10 10	99.01200N 99.01200N	Sediment	Aluminum	75-125 75-125	9500 128	34.9 0.00942	U	Н	6460 129	92.98 99.06		ICPMS ICPMS
Feb-99 Feb-99	D10 D10	10	99.01200N 99.01200N	Sediment Sediment	Antimony Arsenic	75-125 75-125	7.84	0.00942 0.0423	U	Н	129 6.46	99.06 87.04		ICPMS ICPMS
Feb-99	D10 D10	10	99.01200N 99.01200N	Sediment	Arsenic Barium	75-125 75-125	7.84 198	0.0423	U	В	6.46 129	98.82		ICPMS
Feb-99	D10	10	99.01200N 99.01200N	Sediment	Beryllium	75-125	3 19	0.701	U	D	3 23	98.82		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Cadmium	75-125	6.37	0.00827	U	H	6.46	95.54		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Calcium	75-125	46400	170	Ť	В	32300	91		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Chromium	75-125	33.6	0.0438		В	32.3	90.45		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Cobalt	75-125	13	0.0207		В	12.9	84.8		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Copper	75-125	35.7	0.0728		В	32.3	87.85		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Iron	75-125	11300	51.8			6460	94.26		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Lead	75-125	21	0.0877		В	12.9	94.45		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Magnesium	75-125	9120	27.4		В	6460	98.8		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Manganese	75-125	848	2.15		ш	646	98		ICPMS
Feb-99	D10	10	99.01200N	Sediment Sediment	Mercury	0.0346	3.4	0.0323	U		3.23	105.6		AV
Feb-99	D10 D10	10 10	99.01200N		Nickel	75-125 75-125	20.9 7090	7.68	U	P	16.1 6460	97.7 97.87		ICPMS
Feb-99 Feb-99	D10 D10	10	99.01200N 99.01200N	Sediment Sediment	Potassium Selenium	75-125 75-125	126	0.211	U	В	6460 129	96.5	$\vdash$	ICPMS ICPMS
· CO-39	1/10	10	77.01200IN	ocuillell	SCICIIIIIII	13-123	120	0.211	U		147	70.3		ICI IVIO

Appendix 1. Quality assurance data for metal spike recoveries.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry			Spike Added mg/kg Dry	%R	Q	М
Feb-99	D10	10	99.01200N	Sediment	Silver	75-125	6.39	0.0265	U		6.46	98.5		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Sodium	75-125	1190	6.77	0	В	646	79.64		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Thallium	75-125	3.39	0.0146	U		3.23	99.82		ICPMS
Feb-99	D10	10	99.01200N	Sediment	Vanadium	75-125	27.2	0.0922		В	19.4	92.87		ICPMS
Feb-99 Feb-99	D10 D2	10 NS	99.01200N 99.01150W	Sediment Sediment	Zinc Aluminum	75-125 75-125	156 5320	0.403 26.6		В	129 2720	89.17 97.8		ICPMS ICPMS
Feb-99	D2	NS NS	99.01150W	Sediment	Antimony	75-125	137	0.00993		Б	136	100.37		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Arsenic	75-125	8.08	0.0446	U		6.81	106.55		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Barium	75-125	434	1.75		В	272	95.2		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Beryllium	75-125	137	0.00861	U		136	100.76		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Cadmium	75-125	6.61	0.00871	U		6.81	96.2		ICPMS
Feb-99 Feb-99	D2 D2	NS NS	99.01150W 99.01150W	Sediment Sediment	Calcium Chromium	75-125 75-125	52200 39.3	166 0.0662		В	34000 34	104.6 95.87		ICPMS ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Cobalt	75-125	13.3	0.0002		В	13.6	79.35		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Copper	75-125	34.9	0.039		В	34	91.16		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Iron	75-125	11800	50.9			6810	97.82		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Lead	75-125	16.4	0.037		В	13.6	93.23		ICPMS
Feb-99 Feb-99	D2 D2	NS NS	99.01150W 99.01150W	Sediment Sediment	Magnesium	75-125 75-125	11900 463	55 1.96		В	6810 272	93.66 98.15		ICPMS ICPMS
Feb-99	D2 D2	NS NS	99.01150W	Sediment	Manganese Mercury	0.0346	3.61	0.034	U	D	3.4	106.4		AV
Feb-99	D2	NS	99.01150W	Sediment	Nickel	75-125	19.4	0.117	U		17	91.94		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Potassium	75-125	7670	10.8		В	6810	96.92		ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Selenium	75-125	133	0.223	U		136	97.48		ICPMS
Feb-99	D2 D2	NS	99.01150W 99.01150W	Sediment	Silver	75-125 75-125	6.04	0.028	U		6.81	88.54 99.48		ICPMS
Feb-99		NS		Sediment	Sodium		998	3.2	**	В	681			ICPMS
Feb-99 Feb-99	D2 D2	NS NS	99.01150W 99.01150W	Sediment Sediment	Thallium Vanadium	75-125 75-125	3.37 147	0.0154 0.122	U	В	3.4 136	93.39 99.32		ICPMS ICPMS
Feb-99	D2	NS	99.01150W	Sediment	Zinc	75-125	44.4	0.114		В	34	96.86		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Aluminum	75-125	12200	54.1			6390	106.54		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Antimony	75-125	126	0.00932	U		128	98.69		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Arsenic	75-125	10	0.0418	U		6.39	106.88		ICPMS
Feb-99 Feb-99	D4 D4	SOIL SOIL	99.01030N 99.01030N	SOIL SOIL	Barium Bervllium	75-125 75-125	905 3.86	3.04 0.00808	**	В	639 3.2	94.04 112.94		ICPMS ICPMS
Feb-99	D4	SOIL	99.01030N 99.01030N	SOIL	Cadmium	75-125	7.26	0.00808	U	-	6.39	109.14		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Calcium	75-125	55700	256	0	В	32000	94.04		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Chromium	75-125	38.3	0.0615		B	32	100.59		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Cobalt	75-125	13.9	0.0228		В	12.8	91.17		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Copper	75-125	34	0.0536		В	32	89.48		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Iron	75-125	8810	82.6		n	639	86		ICPMS
Feb-99 Feb-99	D4 D4	SOIL SOIL	99.01030N 99.01030N	SOIL SOIL	Lead Magnesium	75-125 75-125	24.2 15800	0.111 45.4		B	12.8 12800	102.87 87.82		ICPMS ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Manganese	75-125	868	2.48		ь	639	97.1		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Mercury	0.0346	3.26	0.032	U		3.2	99.2		AV
Feb-99	D4	SOIL	99.01030N	SOIL	Nickel	75-125	21.2	0.11	U		16	89.22		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Potassium	75-125	1820	11.5		В	639	104.44		ICPMS
Feb-99 Feb-99	D4	SOIL SOIL	99.01030N 99.01030N	SOIL SOIL	Selenium Silver	75-125 75-125	5.34 5.8	0.209 0.0263	U		3.2 6.39	90.08 88.33		ICPMS ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Sodium	75-125	7110	13.7	U	В	6390	89.86		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Thallium	75-125	3.64	0.0144	U	ь	3.2	113.46		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Vanadium	75-125	149	0.259		В	128	96.3		ICPMS
Feb-99	D4	SOIL	99.01030N	SOIL	Zinc	75-125	70.7	0.437		В	32	84.48		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Aluminum	75-125	115	29.2		В	100	85.39		ICPMS
Feb-99 Feb-99	D6	SOIL SOIL	99.01190E 99.01190E	WATER WATER	Antimony Arsenic	75-125 75-125	110 53.3	0.7 2.93		B	100 50	109.2 100.66		ICPMS ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Barium	75-125	297	36.9		В	250	104.18		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Beryllium	75-125	25.7	0.692		В	25	100.07		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Cadmium	75-125	26.3	1.76		В	25	97.98		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Calcium	75-125	1070000	518000			555000	99.14		ICPMS
Feb-99 Feb-99	D6	SOIL	99.01190E 99.01190E	WATER	Chromium Cobalt	75-125 75-125	96.4 114	1.59		В	100	94.83		ICPMS ICPMS
Feb-99	D6	SOIL	99.01190E 99.01190E	WATER	Copper	75-125	160	76.9	$\vdash$	D	100	82.73		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Iron	75-125	5560	387			5500	94.01		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Lead	75-125	51.5	0.0743	U		50	103.33		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Magnesium	75-125	6880000	923000			5560000	107.28		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Manganese	75-125	16700	5850	**		11100	98.11		ICPMS
Feb-99 Feb-99	D6	SOIL SOIL	99.01190E 99.01190E	WATER WATER	Mercury Nickel	0.0346 75-125	4.24 156	0.05	U	-	5 100	84.4 98.08	$\vdash$	AV ICPMS
Feb-99	D6	SOIL	99.01190E 99.01190E	WATER	Potassium	75-125	693000	158000	$\vdash$		555000	96.49		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Selenium	75-125	35.3	7.3			25	111.96		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Silver	75-125	21	0.205	U		25	84.09		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Sodium	75-125	9370000	3520000			5560000	105.33		ICPMS
Feb-99	D6	SOIL	99.01190E	WATER	Thallium	75-125	26.5	0.665		В	25	103.18	_	ICPMS
Feb-99 Feb-99	D6	SOIL	99.01190E 99.01190E	WATER WATER	Vanadium	75-125 75-125	99.7	4.76 92.3		В	100 250	94.92	-	ICPMS ICPMS
Feb-99 Feb-99	D6	NS NS	99.01190E 99.01010J	WATER	Zinc Aluminum	75-125 75-125	341 124	92.3 29.6	$\vdash$	В	250 100	99.3	-	ICPMS
Feb-99	D6	NS NS	99.01010J	WATER	Antimony	75-125	107	0.131	$\vdash$	В	100	107.27		ICPMS
Feb-99	D6	NS	99.01010J	WATER	Arsenic	75-125	52.3	0.327	U		50	104.1		ICPMS
Feb-99	D6	NS	99.01010J	WATER	Barium	75-125	321	59		В	250	104.74		ICPMS
Feb-99	D6	NS	99.01010J	WATER	Beryllium	75-125	28.9	0.075		В	25	115.26		ICPMS
Feb-99	D6	NS	99.01010J	WATER	Cadmium	75-125	25.6	0.064	U		25	103.16	_	ICPMS
Feb-99 Feb-99	D6 D6	NS NS	99.01010J 99.01010J	WATER WATER	Calcium Chromium	75-125 75-125	328000 101	105000		В	222000 100	100.63 99.86	-	ICPMS ICPMS
	D6	NS NS	99.01010J	WATER	Cobalt	75-125	97.3	0.564	$\vdash$	В	100	99.86		ICPMS
Feb-99						12/142	105	8.36		В	100	96.64		ICPMS

Appendix 1. Quality assurance data for metal spike recoveries.

1.00	Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry			Spike Added mg/kg Dry	%R	Q	М
Decomposition   Decompositio	rh-99	D6	NS	99 010101	WATER	Iron	75-125	5610	126	(		5500	99 73		ICPMS
10-00   10-0	eb-99		NS	99.01010J	WATER		75-125	52.6	1.43		В	50	102.42		ICPMS
19-06   D. D. D. S.	eb-99	D6	NS	99.01010J	WATER	Magnesium	75-125	300000	73600			222000	102.12		ICPMS
19-00   100						Manganese									ICPMS
Fig. 20												,			AV
Dec   Do			NS		WATER		75-125				В		95.35		ICPMS ICPMS
15-09										TT	┢				ICPMS
19-09							75-125								ICPMS
Fig. 20			NS	99.010101	WATER		75-125	837000		0	H	555000	93.84		ICPMS
							75-125			U	H				ICPMS
18-09   DS	eb-99	D6	NS	99.01010J	WATER				1.47		В	100			ICPMS
						Zinc					В				ICPMS
															ICPMS
					WATER		75-125	110			В				ICPMS
Fig. 50															ICPMS
												250			ICPMS ICPMS
Prop							75-125					25			
Feb. 99							75-125	20.4			В		98.04		ICPMS ICPMS
							75-125				В				ICPMS
															ICPMS
Feb. 99	eb-99	D6	10	9901000G	WATER		75-125	105	4.54			100	100.76		ICPMS
Feb-99	eb-99	D6	10	9901000G	WATER		75-125	5630	114			5000	110.24		ICPMS
	eb-99		10		WATER	Lead	75-125	55.9			В		109.9		ICPMS
							75-125								ICPMS
Fig. 97   De					WATER	Manganese						100			ICPMS
Feb-97   De						Mercury				U	-	5			AV ICPMS
Fig. 99											В				1011110
Feb-99   D6						Potassium	75-125			**					ICPMS ICPMS
Feb-99						Selenium				U	D				ICPMS
Feb-99											ь				ICPMS
Feb-99   D6							75-125				В				ICPMS
Feb-90   D6															ICPMS
Figh-90	eb-99	D6	10	9901000G	WATER		75-125	280	9.99			250			ICPMS
Feb-00   D2   Soil	eb-00	D2	Soil	A0.01260A	SEDIMENT	Antimony	75-125	65.3	0.0849		В	74.5	87.6		ICPMS
Feb-00   D2															ICPMS
Feb-00   D2   Soil															ICPMS
Feb-00   D2											_				ICPMS
Feb-00   D2	eb-00		Soil	A0.01260A	SEDIMENT	Cadmium	75-125				В		104.6		ICPMS ICPMS
Feb-00   D2				A0.01260A			75-125		33900		┢	74500			ICPMS
Feb-00   D2											┢				ICPMS
Feb-00   D2   Soil A0.01260A   SEDIMENT   Iron   75-125   62000   19400   37200   11445   Feb-00   D2   Soil A0.01260A   SEDIMENT   Lead   75-125   33200   14100   18600   102.64   Feb-00   D2   Soil A0.01260A   SEDIMENT   Magnesium   75-125   33200   14100   18600   102.64   Feb-00   D2   Soil A0.01260A   SEDIMENT   Magnesium   75-125   33200   14100   18600   102.64   Feb-00   D2   Soil A0.01260A   SEDIMENT   Mercury   0.0346   1.51   0.0346   B   1.49   99.2   Feb-00   D2   Soil A0.01260A   SEDIMENT   Mercury   0.0346   1.51   0.0346   B   1.49   99.2   Feb-00   D2   Soil A0.01260A   SEDIMENT   Mercury   0.0346   1.51   0.0346   B   1.49   99.2   Feb-00   D2   Soil A0.01260A   SEDIMENT   Potassium   75-125   23700   5980   18600   95.14   Feb-00   D2   Soil A0.01260A   SEDIMENT   Potassium   75-125   23700   5980   18600   95.14   Feb-00   D2   Soil A0.01260A   SEDIMENT   Silver   75-125   8.05   0.335   B   7.45   103.6   Feb-00   D2   Soil A0.01260A   SEDIMENT   Silver   75-125   8.05   0.335   B   7.45   103.6   Feb-00   D2   Soil A0.01260A   SEDIMENT   Silver   75-125   8.05   0.335   B   7.45   103.6   Feb-00   D2   Soil A0.01260A   SEDIMENT   Silver   75-125   4.18   0.36   B   3.72   102.44   Feb-00   D2   Soil A0.01260A   SEDIMENT   Tallium   75-125   4.18   0.36   B   3.72   102.44   Feb-00   D2   Soil A0.01260A   SEDIMENT   Tallium   75-125   4.18   0.36   B   3.72   102.44   Feb-00   D2   Soil A0.01260A   SEDIMENT   Tallium   75-125   4.18   0.36   B   3.72   100.14   Feb-00   D2   Soil A0.01260A   SEDIMENT   Tallium   75-125   4.18   0.36   B   3.72   100.14   Feb-00   D2   Soil A0.01260A   SEDIMENT   Tallium   75-125   4.18   0.36   B   3.72   100.18   Feb-00   E4   10   A0.01260E   SEDIMENT   Arsenic   75-125   750   1.87   0.35   95.86   Feb-00   E4   10   A0.01260E   SEDIMENT   Arsenic   75-125   750   1.87   0.35   95.86   Feb-00   E4   10   A0.01260E   SEDIMENT   Arsenic   75-125   3.34   0.14   B   3.17   100.76   Feb-00   E4   10   A0.01260E   SEDIMENT   SEDIMENT   SEDIMENT   SEDIMENT					SEDIMENT		75-125	57.7			H	37.2	102.12		ICPMS
Feb-00   D2			Soil												ICPMS
Feb-00   D2   Soil   A0.01260A   SEDIMENT   Mangance   75-125   1330   465     745   116.47		D2	Soil	A0.01260A	SEDIMENT		75-125	35.1	22.7			14.9	83.52		ICPMS
Feb-00   D2   Soil   A0.01260A   SEDIMENT   Mergury   0.0346   151   0.0346   B   1.49   99.2	eb-00	D2	Soil	A0.01260A	SEDIMENT	Magnesium	75-125	33200	14100			18600	102.64		ICPMS
Ech-00   D2   Soil   A.0.01260A   SEDIMENT   Nickel   75-125   39.6   20.8   18.6   10.1.17				A0.01260A	SEDIMENT	Manganese							116.47		ICPMS
Feb-00   D2											В				AV
Echo   D2															ICPMS
Feb-00   D2   Soil   A0.01260A   SEDMENT   Silver   75-125   8.05   0.335   B   7.45   103.6						Potassium									ICPMS
Echo						Selenium					Th.	3.72			ICPMS
Feb-00   D2   Soil   A0.01260A   SEDIMENT   Thallium   75-125   4.18   0.36   B   3.72   102.44											В				ICPMS ICPMS
Echo   D											R				ICPMS
Egb-00   D2   Sell   A0.012606   SEDIMENT   Zinc   75-125   117   80.1   57.2   100.18											Ť				ICPMS
Echo	eb-00	D2	Soil	A0.01260A	SEDIMENT		75-125	117	80.1		П	37.2	100.18		ICPMS
Feb-00	eb-00	D2	Soil	A0.01260A	SEDIMENT		75-125	43600	21900			22300	96.86		ICPMS
Feb-00	eb-00	E4		A0.01280E	SEDIMENT		75-125						95.86		ICPMS
Feb-00											L				ICPMS
Feb-00							75-125							<u> </u>	ICPMS
Echo											В				ICPMS
Feb-00							75-125			_	-			-	ICPMS
Feb-00										_	D				ICPMS ICPMS
Feb-00															ICPMS
Feb-00					SEDIMENT		75-125		4390		10				ICPMS
Feb-00											H				ICPMS
Feb-00															ICPMS
Feb-00   E4   10   A0.01280E   SEDIMENT   Mercury   0.0346   1.32   0.00838   U   1.27   104.74     Feb-00   E4   10   A0.01280E   SEDIMENT   Nickel   75-125   20.6   3.7   B   15.9   106.54     Feb-00   E4   10   A0.01280E   SEDIMENT   Potassium   75-125   1330   802   635   83.63     Feb-00   E4   10   A0.01280E   SEDIMENT   Sclenium   75-125   3.63   0.36   B   3.17   102.96     Feb-00   E4   10   A0.01280E   SEDIMENT   Silver   75-125   6.31   0.0114   B   6.35   99.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Silver   75-125   3630   520   B   3170   98.78     Feb-00   E4   10   A0.01280E   SEDIMENT   Sodum   75-125   3.24   0.0216   B   3.17   101.56     Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadum   75-125   29.1   7.94   19   111.22     Feb-00   E4   10   A0.01280E   SEDIMENT   Zinc   75-125   48.8   14.5   31.7   108.24     Feb-00   E4   10   A0.01280E   SEDIMENT   Zinc   75-125   8830   3550   6350   83.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Zinc   75-125   8830   3550   6350   83.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   8830   3550   6350   83.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   622   0.0254   B   63.5   97.96     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   622   0.0254   B   63.5   97.96	eb-00		10	A0.01280E	SEDIMENT	Manganese	75-125					317			ICPMS
Eeb00						Mercury				U					AV
Feb-00   E4   10   A0.01280E   SEDIMENT   Selentium   75-125   3.63   0.36   B   3.17   102.96     Feb-00   E4   10   A0.01280E   SEDIMENT   Silver   75-125   6.31   0.0114   B   6.35   99.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Sodium   75-125   3.69   5.20   B   3170   0.98     Feb-00   E4   10   A0.01280E   SEDIMENT   Sodium   75-125   3.44   0.0216   B   31.7   101.56     Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadum   75-125   3.24   0.0216   B   31.7   101.56     Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadum   75-125   2.91   7.94   1.9   111.22     Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadum   75-125   48.8   14.5   31.7   108.24     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   8830   3550   6350   83.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   62   0.0254   B   63.5   0.796     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   62   0.0254   B   63.5   0.796     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   62   0.0254   B   63.5   0.796     Feb-00   F4   10   A0.01280E   SEDIMENT   Aluminum   75-125   62   0.0254   B   63.5   0.796						Nickel					В				ICPMS
Feb-00   E4   10   A0.01280E   SEDIMENT   Silver   75-125   6.31   0.0114   B   6.35   99.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Sodium   75-125   3.650   5.20   B   3.170   98.78     Feb-00   E4   10   A0.01280E   SEDIMENT   Thallium   75-125   3.24   0.0216   B   3.17   101.56     Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadum   75-125   2.91   7.94   19   111.22     Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadum   75-125   2.91   7.94   19   111.22     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   8.830   3.550   6.350   83.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   8.830   3.550   6.350   83.3     Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   6.22   0.0254   B   6.35   97.96     Feb-00   F4   10   A0.01280E   SEDIMENT   Aluminum   75-125   6.22   0.0254   B   6.35   97.96     Feb-00   F4   10   A0.01280E   SEDIMENT   Aluminum   75-125   6.22   0.0254   B   6.35   97.96											L				ICPMS
Feb-00											В			<u> </u>	ICPMS
Feb-00   E4   10   A0.01280E   SEDIMENT   Thallium   75-125   3.24   0.0216   B   3.17   101.56   Feb-00   E4   10   A0.01280E   SEDIMENT   Vanadium   75-125   29.1   7.94   19   111.22   Feb-00   E4   10   A0.01280E   SEDIMENT   Zinc   75-125   48.8   14.5   31.7   108.24   Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   8830   3550   6550   83.3   Feb-00   E4   10   A0.01280E   SEDIMENT   Aluminum   75-125   62.2   0.0254   B   63.5   97.96   10.0000   10.00000   10.0000000000000											В				ICPMS
Feb-00   E4   10   A0.01280E   SEDIMENT Vanadium   75-125   29.1   7.94   19   111.22   11.22   11.22   12.23   12.2					SEDIMENT		75-125		520				101.54	-	ICPMS ICPMS
Feb-00         E4         10         A0.01280E         SEDIMENT         Zinc         75-125         48.8         14.5         31.7         108.24           Feb-00         E4         10         A0.01280E         SEDIMENT         Aluminum         75-125         8830         3550         6550         83.3           Feb-00         E4         10         A0.01280E         SEDIMENT         Aluminum         75-125         62.2         0.0254         B         63.5         97.96           Feb-00         E4         10         A0.01280E         SEDIMENT         Aluminum         75-125         62.2         0.0254         B         63.5         97.96										_	В				ICPMS
Feb-00         E4         10         A001280E         SEDIMENT         Aluminum         75-125         8830         3550         6350         83.3           Feb-00         E4         10         A001280E         SEDIMENT         Antimony         75-125         62.2         0.0254         B         63.5         97.96           Feb-00         E4         10         A001280E         SEDIMENT         75-125         62.2         0.0254         B         63.5         97.96											$\vdash$			-	ICPMS
Feb-00 E4 10 A0.01280E SEDIMENT Antimony 7.5-125 62.2 0.0254 B 63.5 97.96							75-125		3550		<del>                                     </del>				ICPMS
Feb-00 U4 NS A0.01290G SEDIMENT Arsenic 75-125 13.3 5.5 7.13 109.38							75-125		0.0254		В				ICPMS
					SEDIMENT	Arsenic	75-125				Ė		7.117.0		ICPMS
Feb-00 U4 NS A0.01290G SEDIMENT Barium 75-125 514 178 357 94.4		U4					75-125	514	178						ICPMS

Appendix 1. Quality assurance data for metal spike recoveries.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry	C		Spike Added mg/kg Dry	%R	Q	М
Feb-00	114	NS	A0.01290G	SEDIMENT	Beryllium	75-125	4 66	0.826	C		3 57	107 48		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Cadmium	75-125	7.74	0.461		В	7.13	102.02		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Calcium	75-125	106000	39100			71300	94.15		ICPMS
Feb-00 Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT SEDIMENT	Chromium	75-125 75-125	87.5 22.3	19.5		В	71.3 14.3	95.43 110.76		ICPMS ICPMS
Feb-00	U4	NS NS	A0.01290G	SEDIMENT	Copper	75-125	55.1	17.1		ь	35.7	106.7		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Iron	75-125	87000	17200			71300	97.85		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Lead	75-125	32.3	16.5			14.3	110.72		ICPMS
Feb-00 Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT SEDIMENT	Magnesium Manganese	75-125 75-125	28900 1750	11900 364			17800 1430	95.48 97.07		ICPMS ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Mercury	0.0346	1.45	0.0271		В	1.43	99.68		AV
Feb-00	U4	NS	A0.01290G	SEDIMENT	Nickel	75-125	36.1	17.1			17.8	106.56		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Potassium	75-125	6950	4030			3570	81.9		ICPMS
Feb-00 Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT SEDIMENT	Selenium Silver	75-125 75-125	71 6.67	1.68 0.126		В	71.3 7.13	97.12 91.72		ICPMS ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Sodium	75-125	2120	1270			713	119.2		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Thallium	75-125	4.01	0.273		В	3.57	104.72		ICPMS
Feb-00 Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT SEDIMENT	Vanadium	75-125 75-125	103 107	36.3 69			71.3 35.7	92.88 105.48		ICPMS ICPMS
Feb-00	114	NS NS	A0.01290G A0.01290G	SEDIMENT	Zinc Aluminum	75-125	33100	15100		-	21400	84.21		ICPMS
Feb-00	U4	NS	A0.01290G	SEDIMENT	Antimony	75-125	68.8	0.113		В	71.3	96.34		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Aluminum	75-125	117	8.27		В	100	108.27		ICPMS
Feb-00	CHW / UX	NS / 1	A0.01025Q/A0.01030 M* A0.01025Q/A0.01030	WATER	Antimony	75-125	111	0.15		В	100	110.36		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Arsenic	75-125	55.2	2.71		В	50	105.04		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Barium	75-125	386	124		В	250	104.74		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Beryllium	75-125	26.9	0.01		В	25	107.68		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Cadmium	75-125	25.5	0.02		В	25	101.92		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Calcium	75-125	211000	84200			125000	101.54		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Chromium	75-125	107	0.67		В	100	106.35		ICPMS
Feb-00	CHW/UX	NS / 1	M* A0.01025Q/A0.01030	WATER	Cobalt	75-125	104	0.16		В	100	104.05		ICPMS
Feb-00 Feb-00	CHW/UX CHW/UX	NS / 1 NS / 1	M* A0.01025Q/A0.01030 M*	WATER	Copper	75-125 75-125	104 5920	2.26		В	100 5500	101.32		ICPMS ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Lead	75-125	52.6	0.03	U		50	106.42		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Magnesium	75-125	61300	39000			25000	89.19		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Manganese	75-125	174	76.4			100	97.26		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Mercury	0.0346	5.19	0.033	U		5	103.76		AV
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Nickel	75-125	103	1.48		В	100	101.83		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	7440-07-9	75-125	10700	5080			5000	112.28		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Selenium	75-125	28.4	2.95	U		25	105.2		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Silver	75-125	25.6	0.35		В	25	101		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M*	WATER	Sodium	75-125	235000	94700			125000	112		ICPMS
Feb-00	CHW/UX	NS / 1	A0.01025Q/A0.01030 M* A0.01025Q/A0.01030	WATER	Thallium	75-125	26.7	0.16		В	25	106.2		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01025Q/A0.01030 A0.01025Q/A0.01030	WATER	Vanadium	75-125	106	1.44		В	100	104.99		ICPMS
Feb-00	CHW / UX	NS / 1	M* A0.01105P/A0.01110L	WATER	Zinc	75-125	262	8.39		В	250	101.49		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Aluminum	75-125	3270	1260			2000	100.54		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Antimony	75-125	102	0.1		В	100	101.84		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Arsenic	75-125	65.2	16.1			50	98.24		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Barium	75-125	3940	1380		-	2500	102.57		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Beryllium	75-125	25.7	0.047	U		25	102.72		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Cadmium	75-125	23.4	0.1		В	25	93.2		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Calcium	75-125	870000	348000			500000	104.28		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	*	WATER	Chromium	75-125	102	1.6		В	100	100.6		ICPMS

Appendix 1. Quality assurance data for metal spike recoveries.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry			Spike Added mg/kg Dry	%R	Q	М
			A0.01105P/A0.01110L						C					
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Cobalt	75-125	100	0.89		В	100	99.46		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Copper	75-125	100	4.42		В	100	95.62		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Iron	75-125	52000	25500			25000	105.86		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Lead	75-125	51.1	0.83		В	50	100.54		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Magnesium	75-125	390000	121000			250000	107.56		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Manganese	75-125	16300	5750			10000	105.25		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Mercury	0.0346	5.43	0.033	U		5	109.74		AV
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Nickel	75-125	101	3.25		В	100	97.36		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Potassium	75-125	13100	8940			5000	82.66		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Selenium	75-125	35.5	7.12			25	113.64		ICPMS
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L	WATER	Silver	75-125	24.6	0.07		В	25	98.04		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	* A0.01105P/A0.01110L	WATER	Sodium	75-125	1030000	530000			500000	99.84		ICPMS
Feb-00	CHW/UX	Soil Pore / 5		WATER	Thallium	75-125	24.8	0.055	U		25	99.4		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	A0.01105P/A0.01110L *	WATER	Vanadium	75-125	107	4.1		В	100	103.32		ICPMS
Feb-00	CHW/UX	Soil Pore / 5	A0.01105P/A0.01110L *	WATER	Zinc	75-125	256	12.1		В	250	97.39		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Arsenic	75-125	54.9	1.23		В	50	107.24		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Barium	75-125	333	72.7		В	250	104.14		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Beryllium	75-125	26.5	0.01	U		25	106		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Cadmium	75-125	25.8	0.02		В	25	102.92		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Calcium	75-125	212000	78800			125000	106.61		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Chromium	75-125	103	0.57	U		100	102.82		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Cobalt	75-125	102	0.13		В	100	101.39		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Copper	75-125	541	63.7			500	95.48		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Iron	75-125	5820	64.1		В	5500	104.57		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Lead	75-125	53	1.15		В	50	103.6		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Magnesium	75-125	50900	28900			25000	88.06		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Manganese	75-125	153	52.1			100	101.18		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Mercury	0.0346	5.32	0.033	U		5	106.02		AV
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Nickel	75-125	102	1.49	Ü	В	100	100.02		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Potassium	75-125	9860	5170		ь	5000	93.86		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Selenium	75-125	30.7	3.59		В	25	108.56		ICPMS
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V	WATER	Silver		27	0.03	U	В	25	108.56		ICPMS
			A0.01042R/A0.01045V			75-125			U					
Feb-00	D20	Soil Pore / NS	* A0.01042R/A0.01045V	WATER	Sodium	75-125	273000	153000	_		125000	96.67		ICPMS
Feb-00	D20	Soil Pore / NS	* A0.01042R/A0.01045V	WATER	Thallium	75-125	26	0.01	U		25	104.16		ICPMS
Feb-00	D20	Soil Pore / NS	* A0.01042R/A0.01045V	WATER	Vanadium	75-125	107	1.22		В	100	105.45		ICPMS
Feb-00	D20	Soil Pore / NS	* A0.01042R/A0.01045V	WATER	Zinc	75-125	262	29.2			250	93.18		ICPMS
Feb-00	D20	Soil Pore / NS	* A0.01042R/A0.01045V	WATER	Aluminum	75-125	560	43.9		В	500	103.33		ICPMS
Feb-00	D20	Soil Pore / NS	* A0.01055X/A0.01060U	WATER	Antimony	75-125	110	0.14		В	100	109.4		ICPMS
Feb-00	D4 / HWY 191	5 / Soil Pore	* A0.01055X/A0.01060U	WATER	Aluminum	75-125	18100	9540			10000	85.94		ICPMS
Feb-00	D4 / HWY 191	5 / Soil Pore	* A0.01055X/A0.01060U	WATER	Antimony	75-125	83.9	2.05		В	100	81.87		ICPMS
Feb-00	D4 / HWY 191	5 / Soil Pore	* A0.01055X/A0.01060U	WATER	Arsenic	75-125	51.6	3.42		В	50	96.26		ICPMS
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Barium	75-125	338	103		В	250	93.97		ICPMS

Appendix 1. Quality assurance data for metal spike recoveries.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry			Spike Added mg/kg Dry	%R	Q	М
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Beryllium	75-125	27	2.54		В	25	97.88		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Cadmium	75-125	29.3	2.59		В	25	106.92		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Calcium	75-125	570000	90300			500000	96		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Chromium	75-125	102	7.07		В	100	95.17		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Cobalt	75-125	99.4	4.67		В	100	94.75		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Copper	75-125	111	9.6		В	100	101.4		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Iron	75-125	32000	5310		Б	25000	106.64		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Lead	75-125	59	6.37			50	105.22		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Magnesium	75-125	38700	34600			5000	82.87		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Manganese	75-125	173	79.6			100	93.85		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Mercury	0.0346	4.26	0.033	U		5	84.9		AV
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Nickel	75-125	105	8.69		В	100	96.2		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Potassium	75-125	11700	6200			5000	109.31		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Selenium	75-125	19.8	0.756	U		25	77.4		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Silver	75-125	30.1	2.49	0	В	25	110.32		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Sodium	75-125	611000	142000		ь	500000	93.86		ICPMS
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Thallium	75-125	27.5	2.33		В	25	100.8		ICPMS
Feb-00	D4 / HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Vanadium	75-125	116	15.4		В	100	100.8		ICPMS
			A0.01055X/A0.01060U							В				
Feb-00	D4 / HWY 191	5 / Soil Pore	A0.01005L/A0.01010H	WATER	Zinc	75-125	279	23.3			250	102.39		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Aluminum	75-125	92.1	1.22	U		100	91.76		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H	WATER	Antimony	75-125	93.5	0.52		В	100	92.99		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Arsenic	75-125	45.4	0.79		В	50	89.2		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Barium	75-125	258	25.1		В	250	93.09		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Beryllium	75-125	22	0.01	U		25	88.12		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Cadmium	75-125	21.4	1.45		В	25	79.8		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Calcium	75-125	2830000	413000			2500000	96.54		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Chromium	75-125	91.9	4.24		В	100	87.65		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Cobalt	75-125	95.1	8.41		В	100	86.67		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Copper	75-125	99.7	19.3		В	100	80.42		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Iron	75-125	5570	873			5500	85.33		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Lead	75-125	578	0.08		В	500	115.55		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Magnesium	75-125	3290000	621000			2500000	106.65		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Manganese	75-125	15200	7020			10000	81.84		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Mercury	0.0346	5.46	0.033	U		5	108.84		AV
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Nickel	75-125	473	36.5		В	500	87.22		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01003L/A0.01010H * A0.01005L/A0.01010H	WATER	Potassium	75-125	2530000	96700			2500000	97.44		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H * A0.01005L/A0.01010H	WATER	Selenium	75-125	499	2.95	U		500	99.4		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Silver	75-125	24.6	0.32		В	25	97.24		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H *	WATER	Sodium	75-125	5200000	2680000			2500000	101.05		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H *	WATER	Thallium	75-125	26.9	1.09		В	25	103.32		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H *	WATER	Vanadium	75-125	96.8	5.66		В	100	91.14		ICPMS
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H *	WATER	Zinc	75-125	306	84.5			250	88.66	<u> </u>	ICPMS

Appendix 1. Quality assurance data for metal spike recoveries.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry		,	Spike Added mg/kg Dry	%R	Q	М
Feb-00	D6/D2	NS	A0.01075B/A0.01080Y	WATER	Aluminum	75-125	24900	12400		ĺ	12500	100.17		ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Antimony	75-125	88.5	0.5		В	100	88.03		ICPMS
Feb-00	D6/D2	NS	A0.01075B/A0.01080Y	WATER	Arsenic	75-125	52	4.16		В	50	95.72		ICPMS
Feb-00	D6/D2	NS NS	A0.01075B/A0.01080Y	WATER		75-125	345	118		В	250	90.83		ICPMS
			A0.01075B/A0.01080Y		Barium									
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Beryllium	75-125	25.4	0.76		В	25	98.52		ICPMS ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Cadmium	75-125	26.3	0.52		В	25	103.2		
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Calcium	75-125	242000	120000			125000	97.69		ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Chromium	75-125	104	8.46		В	100	95.98		ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Cobalt	75-125	100	3.11		В	100	97.11		ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Copper	75-125	108	8.5		В	100	99.08		ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Iron	75-125	11500	6960			5500	83.03	$\vdash$	ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Lead	75-125	56.1	5.25			50	101.66	<del>                                     </del>	ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Magnesium	75-125	206000	81300			125000	99.86	-	ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Manganese	75-125	957	410			500	109.42	<u> </u>	ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Mercury	0.0346	5.58	0.033	U		5	111.18		AV
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Nickel	75-125	104	8.13		В	100	95.8	₩.	ICPMS
Feb-00	D6 / D2	NS	* A0.01075B/A0.01080Y	WATER	Potassium	75-125	46000	18500			25000	110.13	<u> </u>	ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y * A0.01075B/A0.01080Y	WATER	Selenium	75-125	558	7.39			500	110.19	<u> </u>	ICPMS
Feb-00	D6 / D2	NS	*	WATER	Silver	75-125	28.4	0.15		В	25	112.92	<u> </u>	ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Sodium	75-125	1010000	317000			625000	111.64		ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Thallium	75-125	25.2	0.1		В	25	100.32		ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Vanadium	75-125	117	21.2		В	100	95.65		ICPMS
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Zinc	75-125	284	32			250	101		ICPMS
Feb-00	D6/D8	5	A0.00990A/ A0.00985F*	Water	Aluminum	75-125	108.00	7.75		В	555	100.58		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Antimony	75-125	109.00	0.30		В	100	108.97		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Arsenic	75-125	55.10	1.27		В	50.0	107.72		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Barium	75-125	334.00	73.7		В	250	104.03		ICPMS
Feb-00	D6/D8	5	A0.00990A/ A0.00985F*	Water	Beryllium	75-125	26.40	0.10		В	25.0	105.12		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Cadmium	75-125	25.40	0.05		В	25.0	101.32		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Calcium	75-125	633000.00	68800			222000	112.8		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Chromium	75-125	105.00	0.57	U		100	104.94		ICPMS
Feb-00	D6 / D8	5	A0.00985F*	Water	Cobalt	75-125	104.00	0.16	0	В	100	103.42		ICPMS
Feb-00	D6 / D8	5	A0.00985F*	Water		75-125	107.00	2.36		В	100	105.03		ICPMS
			A0.00990A/		Copper		5850.00			В				
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Iron	75-125		142			5000	103.7		ICPMS
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Lead	75-125	53.10	0.45		В	50.0	105.28		ICPMS
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Magnesium	75-125	31800.00	27400			5000	87.01		ICPMS
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Manganese	75-125	118.00	14.0		В	100	103.78		ICPMS
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Mercury	0.0346	4.54	0.04		В	4.59	98.08	<b>-</b>	AV
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Nickel	75-125	107.00	2.00		В	100	104.67	-	ICPMS
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Potassium	75-125	8990.00	4060		В	5000	98.44	<del>                                     </del>	ICPMS
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	Water	Selenium	75-125	36.60	6.44			25.0	120.68	-	ICPMS
Feb-00	D6 / D8	5	A0.00985F*	Water	Silver	75-125	26.60	0.33		В	25.0	105.08	Щ.	ICPMS

Appendix 1. Quality assurance data for metal spike recoveries.

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Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit %R	Spiked Sample Result (SSR) mg/kg Dry	Sample Result (SR) mg/kg Dry		s	Spike Added mg/kg Dry	%R	Q	М
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Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Sodium	75-125	708000.00	106000			222000	120.38		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F* A0.00990A/	Water	Thallium	75-125	25.30	900		В	25.0	100.72		ICPMS
Feb-00	D6 / D8	5	A0.00985F*	Water	Vanadium	75-125	109.00	1.71		В	100	107.01		ICPMS
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	Water	Zinc	75-125	264.00	3.29		В	250	104.28		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Aluminum	75-125	34800	13000			25000	86.98		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Antimony	75-125	82.3	0.56		В	100	81.75		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Arsenic	75-125	48.8	1.47		В	50	94.58		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Barium	75-125	336	39.5		В	250	118.78		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Beryllium	75-125	25.8	0.64		В	25	100.64		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Cadmium	75-125	23.8	0.56		В	25	93.04		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Calcium	75-125	363000	91200			250000	108.56		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Chromium	75-125	99.1	2.61		В	100	96.48		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Cobalt	75-125	94.4	1.29		В	100	93.06		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Copper	75-125	102	2.85		В	100	98.74		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Iron	75-125	62400	6460			50000	111.88		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Lead	75-125	52.9	2.2		В	50	101.48		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Magnesium	75-125	91700	36000			50000	111.47		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Manganese	75-125	622	28.2			500	118.68		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Mercury	0.0346	5.22	0.033	U		5	105.22		AV
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Nickel	75-125	98.3	3.1		В	100	95.18		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Potassium	75-125	64500	6950			50000	115.04		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Selenium	75-125	26.4	1.25		В	25	100.64		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Silver	75-125	24.9	0.5		В	25	97.56		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Sodium	75-125	402000	136000			250000	106.06		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Thallium	75-125	23.5	0.57		В	25	91.76		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Vanadium	75-125	113	7.22		В	100	106.1		ICPMS
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Zinc	75-125	265	9.27		В	250	102.37		ICPMS

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<ul> <li>Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q.</li> </ul>
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Mercury QC analyses were performed on sample A0.0110L. All other QC analyses were performed on sample A0.0110F.      Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.0110FP.
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* Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V.
<ul> <li>Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V.</li> </ul>
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<ul> <li>Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X.</li> </ul>
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\* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L.

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* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B.
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*Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F.
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*Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F.
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* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F.
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Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	М	Comments
								(	C		C					
Aug-98 Aug-98	AT17 AT17	NA NA	98.05140E 98.05140E	WATER WATER	Aluminum Antimony	20 20	15.8 0.144	U	В	15.8 0.104	U	В	32.26 32.26	+	ICPMS ICPMS	+ QC Limit does not apply + QC Limit does not apply
Aug-98	AT17	NA NA	98.05140E	WATER	Arsenic	20	2.67		В	2.8		В	-4.83	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Barium	20	394			393			0.05		ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Beryllium	20	0.0216	U		0.023		В	-117.24	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Cadmium	20	0.089		В	0.061		В	37.33	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Calcium	20	90300			92500			-2.47		ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Chromium	20	0.496		В	0.402		В	20.94	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Cobalt	20	0.156		В	0.119		В	26.91	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E 98.05140E	WATER	Copper	20	3.21		В	3.19		В	0.59	+	ICPMS ICPMS	+ QC Limit does not apply
Aug-98 Aug-98	AT17 AT17	NA NA	98.05140E 98.05140E	WATER WATER	Iron Lead	20 20	95.6 0.425		B	92.7 0.381		B	10.92	+	ICPMS	+ QC Limit does not apply + QC Limit does not apply
Aug-98	AT17	NA NA	98.05140E 98.05140E	WATER	Magnesium	20	25900		ь	25800		ь	0.23	-	ICPMS	+ QC Limit does not apply + QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Manganese	20	0.62	U		0.62	U		47.92	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Nickel	20	11.4		В	9.38	Ŭ	В	19.32	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Potassium	20	4310		В	4120		В	4.55	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Selenium	20	0.205	U		0.493		В	-712.96	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Silver	20	0.021		В	0.0134	U		62.5	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Sodium	20	80400			80500			-0.17		ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Thallium	20	0.135		В	0.098		В	31.76	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Vanadium	20	1.37		В	1.15		В	17.01	+	ICPMS	+ QC Limit does not apply
Aug-98	AT17	NA	98.05140E	WATER	Zinc	20	40			33.7			17.11		ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Aluminum	20	109		В	110		В	-1.1	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Antimony	20	0.233		В	0.227		В	2.61	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Arsenic	20	1.56		В	1.45		В	7.58	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Barium	20	62.1		В	63.6		В	-2.42	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Beryllium	20	0.0216	U		0.0216	U		-18.18	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Cadmium	20	0.297		В	0.294		В	1.02	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Calcium	20	81200			79800			1.7		ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Chromium	20	0.763		В	0.813		В	-6.35	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED CO RIVER, HWY.191	NA	98.04181K	WATER	Cobalt	20	0.159		В	0.142		В	11.3	+	ICPMS	+ QC Limit does not apply
Aug-98	BRIDGE DISSOLVED	NA	98.04181K	WATER	Copper	20	3.92		В	3.89		В	0.67	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Iron	20	202			202			-0.25		ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Lead	20	1.27		В	1.28		В	-0.55	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Magnesium	20	20200			20000			0.99		ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Manganese	20	11.5		В	11.8		В	-2.15	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Nickel	20	9.17		В	8.16		В	11.67	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Potassium	20	2820		В	2790		В	0.96	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Selenium	20	4.06		В	3.3		В	20.74	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Silver	20	0.0134	U	Ш	0.0134	U		-157.89	+	ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Sodium	20	55700			56100			-0.72		ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Thallium	20	0.162		В	0.146		В	10.39	+	ICPMS	+ QC Limit does not apply

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L		7	Duplicate Result (D) μg/L	C		RPD	Q	M	Comments
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Vanadium	20	1.99		В	2.04		В	-2.58		ICPMS	+ QC Limit does not apply
Aug-98	CO RIVER, HWY.191 BRIDGE DISSOLVED	NA	98.04181K	WATER	Zinc	20	110			32.9			107.89		ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Aluminum	20	51.6		В	41.8		В	20.95	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Antimony	20	0.0291	U		0.086		В	-190.91	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Arsenic	20	0.048		В	0.798		В	-177.31	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Barium	20	67.5		В	66.6		В	1.31	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Beryllium	20	0.0216	U	L	0.0216	U		0	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Cadmium	20	0.063		В	0.031		В	68.09	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L 98.04174L	WATER	Calcium	20 20	81200		В	81300 0.395		В	-0.2	+	ICPMS	+ QC Limit does not apply
Aug-98 Aug-98	ECRC WELL #1 TOTAL ECRC WELL #1 TOTAL	NA NA	98.04174L 98.04174L	WATER WATER	Chromium Cobalt	20	1.17 0.393		В	0.395		В	98.72 103.47	+	ICPMS ICPMS	+ QC Limit does not apply + QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA NA	98.04174L	WATER	Copper	20	4.11		В	3.13		В	27.04	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Iron	20	230		- 5	210		Ъ	8.91		ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Lead	20	0.921		В	0.707		В	26.29	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Magnesium	20	25600			25200			1.54		ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Manganese	20	13.9		В	13.4		В	3.73	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Nickel	20	6.43		В	3.84		В	50.51	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Potassium	20	2900		В	2890		В	0.62	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Selenium	20	0.205	U		2.42		В	-420	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Silver	20	0.0134	U		0.037		В	300	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL	NA	98.04174L	WATER	Sodium	20	26000		n	25300		В	2.54	+	ICPMS	+ QC Limit does not apply
Aug-98	ECRC WELL #1 TOTAL ECRC WELL #1 TOTAL	NA NA	98.04174L 98.04174L	WATER WATER	Thallium	20 20	0.875 0.215		В	0.629 0.331		B	32.71 -42.49	+	ICPMS ICPMS	+ QC Limit does not apply
Aug-98 Aug-98	ECRC WELL #1 TOTAL	NA NA	98.04174L 98.04174L	WATER	Vanadium Zinc	20	4.78		В	4.16		В	13.67	+	ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-99	D2	NS NS	98.04174L 99.01200N	Sediment	Aluminum	20	34.9		ь	32.1		ь	8.4		ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Antimony	20	0.00993	U		0.00993	U		0.4	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Antimony	20	0.00942	U		0.00942	Ü			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Arsenic	20	0.0446	U		0.0446	Ü			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Arsenic	20	0.0423	U		0.0423	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Barium	20	1.75		В	1.9		В	-8.14	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Barium	20	0.701		В	0.995		В	-34.65	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Beryllium	20	0.00861	U		0.00861	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Beryllium	20	0.00816	U		0.00816	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W 99.01200N	Sediment	Cadmium	20	0.00871	U	-	0.00871 0.00827	U	_		+	ICPMS	+ QC Limit does not apply
Feb-99 Feb-99	D2 D2	NS NS	99.01200N 99.01150W	Sediment Sediment	Cadmium Calcium	20 20	0.00827 166	U	В	165	U	В	0.25	+	ICPMS ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Calcium	20	170		В	239		В	-33.65	+	ICPMS	+ QC Limit does not apply  + QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Chromium	20	0.0662		В	0.0762		В	-14.05	+	ICPMS	+ OC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Chromium	20	0.0438		В	0.0263		В	50.04	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Cobalt	20	0.0246		В	0.0182		В	29.54	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Cobalt	20	0.0207		В	0.015		В	31.88	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Copper	20	0.039		В	0.0266		В	37.87	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Copper	20	0.0728		В	0.087		В	-17.72	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Iron	20	50.9			55.8			-9.18		ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Iron	20	51.8			40.5		-	24.5		ICPMS	+ QC Limit does not apply
Feb-99 Feb-99	D2 D2	NS NS	99.01150W 99.01200N	Sediment	Lead Lead	20 20	0.037 0.0877		В	0.127 0.0799		B	-109.94 9.3	+	ICPMS ICPMS	+ QC Limit does not apply
Feb-99	D2 D2	NS NS	99.01200N 99.01150W	Sediment Sediment	Magnesium	20	55		В	60.3		В	-9.19	+	ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-99	D2 D2	NS NS	99.01150W 99.01200N	Sediment	Magnesium	20	27.4		В	24.9		В	9.69	+	ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-99	D2	NS NS	99.01200N 99.01150W	Sediment	Manganese	20	1.96		В	24.9		נו	-8.91	+	ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Manganese	20	2.15		۳	1.83		В	16.25		ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Mercury	20	0.034	U	t	0.034	U			+	AV	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Mercury	20	0.0323	U		0.0323	U			+	AV	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Nickel	20	0.117	U		0.117	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Nickel	20	0.111	U		0.111	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Potassium	20	10.8		В	13.7		В	-24.25	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Potassium	20	7.68		В	6.46		В	17.33	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Selenium	20	0.223	U	$\sqcup$	0.223	U			+	ICPMS	+ QC Limit does not apply
Feb-99 Feb-99	D2 D2	NS NS	99.01200N 99.01150W	Sediment	Selenium	20 20	0.211 0.028	U	₩	0.211 0.028	U	$\vdash$		+	ICPMS ICPMS	+ QC Limit does not apply
r'c0-99	102	IND	99.01150W	Sediment	Silver	∠0	0.028	U	1	0.028	U			+	ICPMS	+ QC Limit does not apply

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Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L		C	Duplicate Result (D) μg/L	C		RPD	Q	М	Comments
Feb-99	D2	NS	99.01200N	Sediment	Silver	20	0.0265	U	Ī	0.0265	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Sodium	20	3.2		В	3.39		В	-5.74	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Sodium	20	6.77		В	7.9		В	-15.45	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Thallium	20	0.0154	U		0.0154	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Thallium	20	0.0146	U		0.0146	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Vanadium	20	0.122			0.128		В	-4.74	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Vanadium	20	0.0922		В	0.073		В	23.23	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Zinc	20	0.114		В	0.134		В	-16.16	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01200N	Sediment	Zinc	20	0.403		В	0.256		В	44.65	+	ICPMS	+ QC Limit does not apply
Feb-99	D2	NS	99.01150W	Sediment	Aluminum	20	26.6		В	32.2			-18.95		ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Aluminum	20	54.1			47			13.96		ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Antimony	20	0.00932	U		0.00932	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Arsenic	20	0.0418	U		0.0418	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Barium	20	3.04		В	3.46		В	-12.67	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Beryllium	20	0.00808	U		0.00808	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Cadmium	20	0.00818	U		0.00818	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Calcium	20	256		В	208		В	20.62	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Chromium	20	0.0615		В	0.0532		В	14.46	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Cobalt	20	0.0228		В	0.0212		В	7.08	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Copper	20	0.0536		В	0.05		В	6.84	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Iron	20	82.6			75.2			9.34		ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Lead	20	0.111		В	0.105		В	5.32	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Magnesium	20	45.4		В	48.9		В	-7.57	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Manganese	20	2.48			2.2			11.64		ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Mercury	20	0.032	U		0.032	U			+	AV	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Nickel	20	0.11	U		0.11	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Potassium	20	11.5		В	10.1		В	13.25	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Selenium	20	0.209	U		0.209	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Silver	20	0.0263	U		0.0263	U			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Sodium	20	13.7		В	12.1		В	12.15	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Thallium	20	0.0144	U		0.0144	UU			+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Vanadium	20	0.259		В	0.168		В	42.61	+	ICPMS	+ QC Limit does not apply
Feb-99	D4	SOIL	99.01030N	SOIL	Zinc	20	0.437		В	0.357		В	20.09	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Aluminum	20	29.2		В	25.3		В	14.46	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Aluminum	20	29.6		В	27.7		В	6.73	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Aluminum	20	55.6		В	16.7		В	107.69	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Antimony	20	0.7		В	0.763		В	-8.61	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Antimony	20	0.131		В	0.206		В	-44.51	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Antimony	20	0.861		В	0.23		В	115.67	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Arsenic	20	2.93		В	2.83		В	3.65	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Arsenic	20	0.327	U		2.18		В	-147.88	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Arsenic	20	0.992		В	0.327	U		100.79	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Barium	20	36.9		В	36.9		В	-0.16	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Barium	20	59		В	58.7		В	0.41	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Barium	20	57.5		В	58.3		В	-1.38	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Beryllium	20	0.692		В	0.0632	U		166.53	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Beryllium	20	0.075		В	0.073		В	2.7	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Beryllium	20	0.183		В	0.0632	U		97.32	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Cadmium	20	1.76		В	1.81		В	-2.41	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Cadmium	20	0.064	U		0.064	U		0	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Cadmium	20	0.305		В	0.064	U		130.62	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Calcium	20	518000		$\sqcup$	519000	<b> </b>	Ш	-0.23		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Calcium	20	105000		$\sqcup$	103000			1.64		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Calcium	20	80000		1	80400		اــا	-0.45		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Chromium	20	1.59		В	1.41	<b>.</b>	В	12.34	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Chromium	20	1.04		В	3.18	<b> </b>	В	-101.33	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Chromium	20	2.56		В	1.04		В	84.68	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Cobalt	20	15.2		В	15.5	<b> </b>	В	-2.08	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Cobalt	20	0.564		В	0.533		В	5.65	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Cobalt	20	1.22		В	0.0995	U		169.84	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Copper	20	76.9		F.	76.9			-0.05		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Copper	20	8.36		В	8.87		В	-5.9	+	ICPMS	+ QC Limit does not apply

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L	(	C	Duplicate Result (D) μg/L	C		RPD	Q	M	Comments
Feb-99	D6	10	9901000G	WATER	Copper	20	4.54		В	3.74		В	19.38	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Iron	20	387		-	373		- 5	3.63	Ė	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Iron	20	126			148			-16.58		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Iron	20	114			67.2		В	51.63		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Lead	20	0.0743	U		0.0743	U		0	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Lead	20	1.43		В	1.64		В	-13.31	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Lead	20	0.969		В	0.257		В	116.15	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Magnesium	20	923000			956000			-3.54		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Magnesium	20	73600			72500			1.56		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Magnesium	20	30500			31600			-3.48		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Manganese	20	5850			5570			4.89		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Manganese	20	281			284			-1.28		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Manganese	20	33.7			34.8			-3.07		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Mercury	20	0.05	U		0.05	U		0	+	AV	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Mercury	20	0.08		В	0.05	U		46.15	+	AV	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Mercury	20	0.05	U		0.05	U		0	+	AV	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Nickel	20	58			55.2			5.02		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Nickel	20	10.4		В	10.4		В	-0.19	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Nickel	20	8.64		В	3.35		В	88.14	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Potassium	20	158000			158000			-0.06		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Potassium	20	14800			15000			-1.28		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Potassium	20	5240			5110			2.45		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Selenium	20	7.3			5			37.33		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Selenium	20	1.63	U		9.02			-138.63		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Selenium	20	1.63	U		1.63	U		-0.29	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Silver	20	0.205	U		0.782		В	-116.79	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Silver	20	0.205	U		0.205	U		0	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Silver	20	0.302		В	0.205	U		38.08	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Sodium	20	3520000			3580000			-1.86		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Sodium	20	316000			305000			3.61		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Sodium	20	132000			131000			1.07		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Thallium	20	0.665		В	0.672		В	-1.05	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Thallium	20	0.113	U		0.113	U		0		ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Thallium	20	0.508		В	0.113	U		127.27		ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Vanadium	20	4.76		В	4.55		В	4.62	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Vanadium	20	1.47		В	1.57		В	-6.73	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Vanadium	20	2.43		В	1.3		В	60.73	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	SOIL	99.01190E	WATER	Zinc	20	92.3			96.9			-4.85		ICPMS	+ QC Limit does not apply
Feb-99	D6	NS	99.01010J	WATER	Zinc	20	17.5		В	17.9		В	-2.15	+	ICPMS	+ QC Limit does not apply
Feb-99	D6	10	9901000G	WATER	Zinc	20	9.99		В	8.27		В	18.82	+	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Antimony	20	0.0849		В	0.194		В		+	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Arsenic	20	7.05			5.86			18.48		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Barium	20	209			244			-15.82		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Beryllium	20	1.11			1.51			-30.52		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Cadmium	20	0.594		В	0.702		В		+	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Calcium	20	33900		$\sqcup$	43600			-24.95		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Chromium	20	25.3		$\sqcup$	35.8			-34.32		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Cobalt	20	7.58			7.72			-1.79		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Copper	20	19.7		$\sqcup$	19.3			1.78		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Iron	20	19400			22600			-15.48		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Lead	20	22.7		$\sqcup$	19.9			12.79		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Magnesium	20	14100			14800			-5.03		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Manganese	20	465			503			-7.8	<u> </u>	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Mercury	20	0.0346		В	0.0304		В	1.75	+	AV	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Nickel	20	20.8		$\sqcup$	21.1		_	-1.67		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Potassium	20	5980		$\vdash$	8510			-34.89	<u> </u>	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Selenium	20	2.07		F.	1.96		Б	5.48		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Silver	20	0.335		В	0.347		В	1.04	+	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Sodium	20	6920		F.	6790		Б	1.94		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Thallium	20	0.36		В	0.524		В	21.22	+	ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Vanadium	20	50.9		$\sqcup$	69.8		_	-31.33		ICPMS	+ QC Limit does not apply
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Zinc	20	80.1			82			-2.39		ICPMS	+ QC Limit does not apply

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) μg/L			Duplicate Result (D) μg/L			RPD	0	М	Comments
Date	Chent Sumple 15.	Struttu (III)	TATALLE Sample #1		7 Indiy to	Control Linns	rg 2	(	2	(D) pg L	С	+		×	.,,	Comments
Feb-00	D2	Soil	A0.01260A	SEDIMENT	Aluminum	20	21900			40900			-60.37		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Arsenic	20	1.87			2.55			-30.69		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Barium	20	109			208			-62.94		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Beryllium	20	0.14		В	0.201		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Cadmium	20	0.0673		В	0.0838		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Calcium	20	14100			17800			-23.79		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Chromium	20	3.97			4.92			-21.22		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Cobalt	20	1.93		В	2.14		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Copper	20	2.68		В	2.91		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Iron	20	4390			5600			-24.22		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Lead	20	4.31			4.9			-12.98		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Magnesium	20	2390			2920			-19.78		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Manganese	20	133			172			-25.43		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Mercury	20	0.00838	U		0.00838	U			+	AV	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Nickel	20	3.7		В	3.51		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Potassium	20	802			1050			-26.67		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Selenium	20	0.36		В	1.01			-94.62		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Silver	20	0.0114		В	0.141		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Sodium	20	520		В	716			-31.75		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Thallium	20	0.0216		В	0.0394		В		+	ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Vanadium	20	7.94			11.4			-36.12		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Zinc	20	14.5			15			-3.67		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Aluminum	20	3550			4040			-13		ICPMS	+ QC Limit does not apply
Feb-00	E4	10	A0.01280E	SEDIMENT	Antimony	20	0.0254		В	0.0965		В		+	ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Aluminum	20	15100			16200			-7.05		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Antimony	20	0.113		В	0.121		В		+	ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Arsenic	20	5.5			5.66			-2.81		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Barium	20	178			173			2.6		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Beryllium	20	0.826			0.932			-12.01		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Cadmium	20	0.461		В	0.447		В		+	ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Calcium	20	39100			37600			3.97		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Chromium	20	19.5		_	22		_	-12.09		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Cobalt	20	6.49		В	6.61		В		+	ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Copper	20	17.1			17.3			-1.59		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Iron	20	17200			17100		_	0.66		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Lead	20	16.5			17.2		_	-3.99		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Magnesium	20	11900			11100		_	6.67		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Manganese	20	364		D	354		D	2.84		ICPMS	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Mercury	20	0.0271		В	0.0271		В	2.00	+	AV	+ QC Limit does not apply
Feb-00	U4	NS	A0.01290G	SEDIMENT	Nickel	20	17.1 4030			17.4 4730		_	-2.08		ICPMS	+ QC Limit does not apply
Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT	Potassium	20	1.68			1.58		_	-15.98		ICPMS ICPMS	+ QC Limit does not apply
Feb-00	U4 U4	NS NS		SEDIMENT SEDIMENT	Selenium Silver	20			D	0.00913		В	5.6	_		+ QC Limit does not apply
Feb-00	U4 U4		A0.01290G			20	0.126 1270		В			ь	10.01	+	ICPMS	+ QC Limit does not apply
Feb-00 Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT SEDIMENT	Sodium Thallium	20	0.273		В	1420 0.28		В	-10.91		ICPMS ICPMS	+ QC Limit does not apply + QC Limit does not apply
Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT	Vanadium	20	36.3		ь	39.8		ь	-9.23	+	ICPMS	11.2
Feb-00	U4 U4	NS NS	A0.01290G A0.01290G	SEDIMENT	Zinc	20	69			70.1			-9.23		ICPMS	+ QC Limit does not apply + QC Limit does not apply
reb-00	04	NS	A0.01290G	SEDIMENT	Zinc	20	69			/0.1			-1.0/		ICPIVIS	Mercury QC analyses were performed on sample
E-F 00	CHW/HV	NG / I	A0.01025Q/A0.01030M	WATER	A 1	20	9.27		В	7.04		В			ICDMC	A0.01030M. All other QC analyses were performed on sample A0.01025Q: + QC Limit does not apply
Feb-00	CHW / UX	NS / 1 Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Aluminum	20	8.27 1260		В	7.94		В	37.64	**	ICPMS ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.

Appendix 2. Quality assurance data for metal blanks.

M Comments	M	Q	RPD			Duplicate Result (D) μg/L			Sample Result (S) µg/L	Control Limit	Analyte	Matrix:	NAREL Sample #:	Strata (m)	Client Sample ID:	Date
* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply					С		C	(					A0.01025Q/A0.01030M			
* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.	ICPMS	+		В		0.58	В		0.15	20	Antimony	WATER	*	NS / 1	CHW / UX	Feb-00
Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply	ICPMS	+		В		0.39	В		0.1	20	Antimony	WATER	A0.01105P/A0.01110L*  A0.01025Q/A0.01030M	Soil Pore / 5	CHW / UX	Feb-00
	ICPMS	+		В		1.79	В		2.71	20	Arsenic	WATER	*	NS / 1	CHW / UX	Feb-00
Mercury QC analyses were performed on sample     A0.01110L. All other QC analyses were performed     on sample A0.01105P. + QC Limit does not apply. **     Outside QC limits.  PMS	ICPMS		-5.51			17			16.1	20	Arsenic	WATER	A0.01105P/A0.01110L*	Soil Pore / 5	CHW / UX	Feb-00
* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply													A0.01025Q/A0.01030M			
* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.	ICPMS	+		В		124	В		124	20	Barium	WATER	*	NS / 1	CHW / UX	Feb-00
PMS * Mercury QC analyses were performed on sample	ICPMS		3.74			1330			1380	20	Barium	WATER	A0.01105P/A0.01110L*	Soil Pore / 5	CHW / UX	Feb-00
A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply													A0.01025Q/A0.01030M			
* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.		+					В	II					* A0 01105P/A0 011101 *			
* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply													A0.01025Q/A0.01030M			
* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.	ICPMS	+		В		0.05	В		0.02	20	Cadmium	WATER	*	NS / 1	CHW / UX	Feb-00
PMS	ICPMS	+		В		0.11	В		0.1	20	Cadmium	WATER	A0.01105P/A0.01110L*	Soil Pore / 5	CHW / UX	Feb-00
* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply													A0.01025Q/A0.01030M			
PMS  * Mercury QC analyses were performed on sample	ICPMS	-	7.17	$\vdash$	1	78400	+	-	84200	20	Calcium	WATER	*	NS / 1	CHW / UX	Feb-00
A0.01110L. All other QC analyses were performed on sample A0.01105P, + QC Limit does not apply. ** Outside QC limits.	ICDME		0.71			251000			249000	20	Coloium	WATED	A0.01105B/A0.011101 *	Sail Bara / 5	Chw/Hy	Eab 00
PMS PMS	ICPMS ICPMS ICPMS	+ + +		B B		0.11 0.22 0.05	В	U	0.01	20 20 20 20	Beryllium  Beryllium  Cadmium	WATER  WATER  WATER  WATER	A0.01025Q/A0.01030M  *  A0.01105P/A0.01110L*  A0.01025Q/A0.01030M  *  A0.01105P/A0.01110L*	NS / 1  Soil Pore / 5  NS / 1  Soil Pore / 5	CHW/UX  CHW/UX  CHW/UX	Feb-00 Feb-00 Feb-00

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	M	Comments
			A0.01025Q/A0.01030M					С			C					Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / 1	*	WATER	Chromium	20	0.67		В	0.74		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*  A0.01025Q/A0.01030M	WATER	Chromium	20	1.6		В	0.99		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW/UX	NS / 1 Soil Pore / 5	* A0.01105P/A0.01110L*	WATER	Cobalt	20	0.16		В	0.16		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
			A0.01025Q/A0.01030M *											7		* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / 1	*	WATER	Copper	20	2.26		В	2.37		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L* A0.01025Q/A0.01030M	WATER	Copper	20	4.42		В	5.9		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW/UX	NS / 1	*	WATER	Iron	20	188			199			□5.22		ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW/UX	Soil Pore / 5  NS / 1	A0.01105P/A0.01110L*  A0.01025Q/A0.01030M *	WATER	Iron	20	25500	U		24700	U		3.18		ICPMS ICPMS	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
			A0 01105B/A0 011101 *		Lead				D		U	D				* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW/UX	Soil Pore / 5	A0.01105P/A0.01110L* A0.01025Q/A0.01030M	WATER	Lead	20	0.83		В	0.88		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW/UX	NS / 1 Soil Pore / 5	* A0.01105P/A0.01110L*	WATER	Magnesium	20	39000 121000			38600 125000			-3.44		ICPMS ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. **  Outside QC limits.

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	M	Comments
			A0.01025Q/A0.01030M					С			С					* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / 1	*	WATER	Manganese	20	76.4			75			1.78		ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Manganese	20	5750			6060			-5.25		ICPMS	* Mercury QC analyses were performed on sample
Feb-00	CHW / UX	NS / 1	A0.01025Q/A0.01030M	WATER	M	20	0.033	U		0.03	U				AV	A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
			A0.01105D/A0.011101 *		Mercury		0.033	U		0.033	U					* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L* A0.01025Q/A0.01030M	WATER	Mercury	20	0.033	U		0.033	U			+	AV	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / I	*	WATER	Nickel	20	1.48		В	1.47		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Nickel	20	3.25		В	3.25		В		+	ICPMS	Mercury QC analyses were performed on sample     A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / 1	A0.01025Q/A0.01030M *	WATER	Potassium	20	5080			4910		В	3.5		ICPMS	
Feb-00	CHW/UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Potassium	20	8940			8410			6.1		ICPMS	Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
100 00	enw, on	50.1.1010.7	A0.01025Q/A0.01030M	WILLER	Totassian	20	32.0			0.1.0			0.1		1011110	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / 1	*	WATER	Selenium	20	2.95	U		2.95	U			+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. **
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Selenium	20	7.12			13.6			-62.61		ICPMS	Outside QC limits.
			A0.01025Q/A0.01030M													<ul> <li>Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply</li> </ul>
Feb-00	CHW / UX	NS / I	*	WATER	Silver	20	0.35		В	0.84		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Silver	20	0.07		В	0.39		В		+	ICPMS	ì

Appendix 2. Quality assurance data for metal blanks.

ъ.	CIL 45 L ID	5( , ( )	NAPEL C. I. II	34.1	4.14	6 . 11: 1	Sample Result (S)			Duplicate Result			np.	_		
Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	μg/L	(	,	(D) μg/L	С	K	PD	Q	M	Comments
F 1 00	CHW/UX	NS / 1	A0.01025Q/A0.01030M *	WATER	Sodium	20	94700			88600		6.	70		ICPMS	* Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	N5 / 1	*	WATER	Sodium	20	94700			88000		0.	12	-	ICPNIS	* Mercury QC analyses were performed on sample
Feb-00	CHW/UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Sodium	20	530000			552000		-3.	99		ICPMS	A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. **  Outside QC limits.
Feb-00	CHW / UX	NS / 1	A0.01025Q/A0.01030M *	WATER	Thallium	20	0.16		В	0.16	E			+	ICPMS	Mercury QC analyses were performed on sample A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
100-00	CHW / OX	11371		WAILK	Thamum	20	0.10		ь	0.10				_	ICI WIS	* Mercury QC analyses were performed on sample
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Thallium	20	0.055	U		0.06	E			+	ICPMS	A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
																* Mercury QC analyses were performed on sample
Feb-00	CHW / UX	NS / 1	A0.01025Q/A0.01030M *	WATER	Vanadium	20	1.44		В	1.58	E			_	ICPMS	A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
reb-00	CHW / UX	N5 / I	*	WAIEK	vanadium	20	1.44		ь	1.38	г			_	ICPNIS	* Mercury QC analyses were performed on sample
E.1.00	anny (my	0.77								2.42					I CON I C	A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Vanadium	20	4.1		В	3.42	E	1		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01025Q/A0.01030M													A0.01030M. All other QC analyses were performed on sample A0.01025Q. + QC Limit does not apply
Feb-00	CHW / UX	NS / 1	*	WATER	Zinc	20	8.39		В	8.21	E	1		+	ICPMS	***
Feb-00	CHW / UX	Soil Pore / 5	A0.01105P/A0.01110L*	WATER	Zinc	20	12.1		В	11.9	E	ı		+	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.
F. 1. 00	D00	g 11p (2)g	A0.01042R/A0.01045V				49.0								I CON IC	Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Aluminum	20	43.9		В	6.65	E	-	-	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Antimony	20	0.14		В	0.6	E	-		+	ICPMS	* Moreury OC analyses were norformed
			A0.01042R/A0.01045V													* Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Arsenic	20	1.23		В	1.52	E	-		+	ICPMS	* Moreury OC analyses were norformed
			A0.01042R/A0.01045V													* Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Barium	20	72.7		В	73.1	E			+	ICPMS	

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	M	Comments
			A0.01042R/A0.01045V					(			С					Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Beryllium	20	0.01	U		0.01	U			+	ICPMS	Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	A0.01042R/A0.01045V *	WATER	Cadmium	20	0.02		В	0.05		В		+	ICPMS	
			A0.01042R/A0.01045V													Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Calcium	20	78800			78300			0.74		ICPMS	* Mercury QC analyses were performed on sample
F 1 00	D20	G ID ANG	A0.01042R/A0.01045V	WATER	ci ·	20	0.57			0.01					ICD IC	A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Chromium	20	0.57	U		0.01	U			+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Cobalt	20	0.13		В	0.16		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Copper	20	63.7			0.05		В	199.69		ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Iron	20	64.1		В	76		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Lead	20	1.15		В	0.32		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Magnesium	20	28900			30000			-3.8		ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Manganese	20	52.1		H	52.1		$\vdash$	0.08		ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Mercury	20	0.033	U	H	0.033	U			+	AV	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Nickel	20	1.49		В	1.36		В		+	ICPMS	

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	М	Comments
			A0.01042R/A0.01045V					(			С					* Mercury QC analyses were performed on sample A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Potassium	20	5170			5130		_	0.79		ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Selenium	20	3.59		В	3.86		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Silver	20	0.03	U		13.2		+	200.3		ICPMS	* Mercury QC analyses were performed on sample
_ ,		- 4	A0.01042R/A0.01045V		- "											A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Sodium	20	153000			147000		+	3.89		ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Thallium	20	0.01	U		0.05		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Vanadium	20	1.22		В	1.31		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01042R/A0.01045V													A0.01042R. All other QC analyses were performed on sample A0.01045V. + QC Limit does not apply
Feb-00	D20	Soil Pore / NS	*	WATER	Zinc	20	29.2			3.92		В	93.18		ICPMS	***
Feb-00	D4 / HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Aluminum	20	9540			10800			-12.61		ICPMS	Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
100-00	D47 HW1 191	37 3011 1010	A0.01055X/A0.01060U	WAILK	Aluminum	20	9340			10300			-12.01		ICI WIS	* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Antimony	20	2.05		В	2.64		В		+	ICPMS	* Mercury OC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Arsenic	20	3.42		В	3.15		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Barium	20	103		В	109		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Beryllium	20	2.54		В	2.75		В		+	ICPMS	

Appendix 2. Quality assurance data for metal blanks.

	CIL 45 L ID	5( , ( )	NAPEL C. 1. "	34	4.14	6 . 11: 1	Sample Result (S)			Duplicate Result			nnn			6
Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	μg/L	С		(D) μg/L	С		RPD	Q	M	Comments
Feb-00	D4 / HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Cadmium	20	2.59		В	2.52		В		_	ICPMS	* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
reb-00	D47 HWT 191	37 Soli Fole	·	WATER	Cadilliulli	20	2.39		Б	2.32		Б		_	ICFWIS	* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed
Feb-00	D4 / HWY 191	5 / Soil Pore	A0.01055X/A0.01060U *	WATER	Calcium	20	90300			93400			-3.34		ICPMS	on sample A0.01055X. + QC Limit does not apply
			A0.01055X/A0.01060U													* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Chromium	20	7.07		В	7.79		В		+	ICPMS	
F 1 00	D4 (HWW 101	5 / G ' I P	A0.01055X/A0.01060U	WATER		20	4.67		D	4.52		D			ICPMS	* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Cobalt	20	4.67		В	4.53		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Copper	20	9.6		В	9.8		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Iron	20	5310		_	6030			-12.68		ICPMS	
			A0.01055X/A0.01060U													* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Lead	20	6.37			6.7			-5.05		ICPMS	
E-1, 00	D4 / HWW 101	5 / Cail Dans	A0.01055X/A0.01060U *	WATER	Managarian	20	34600			24500			0.25		ICDMC	Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Magnesium	20	34600	-		34500			0.35		ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Manganese	20	79.6	_	-	81		-	-1.72		ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Mercury	20	0.033	U	_	0.033	U			+	AV	***
			A0.01055X/A0.01060U													* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Nickel	20	8.69		В	8.48		В		+	ICPMS	* * * * * * * * * * * * * * * * * * * *
			A0.01055X/A0.01060U													* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Potassium	20	6200			6450			-3.92		ICPMS	

Appendix 2. Quality assurance data for metal blanks.

	GW 16 1 PD		NAPER G. I. II				Sample Result (S)			Duplicate Result			nnn			
Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	μg/L	(	٦.	(D) μg/L	C		RPD	Q	M	Comments
Feb-00	D4/HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	g.) .	20	0.756	U		0.033	U				ICPMS	* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HW Y 191	3 / Soil Pole	*	WAIEK	Selenium	20	0.736	U		0.033	U			+	ICPNIS	* Mercury QC analyses were performed on sample
Feb-00	D4 / HWY 191	5 / Soil Pore	A0.01055X/A0.01060U	WATER	Silver	20	2.49		В	3.38		В		+	ICPMS	A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
1-60-00	D4/11W1 191	37 3011 1010		WAILK	Silver	20	2.49		Б	3.36		Б		·	ICI WIS	* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed
			A0.01055X/A0.01060U													on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Sodium	20	142000			146000			-3.08		ICPMS	* M 00 1 1
			A0.01055X/A0.01060U													* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Thallium	20	2.33		В	2.52		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01055X/A0.01060U													A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Vanadium	20	15.4		В	18.1		В		+	ICPMS	***
			A0.01055X/A0.01060U													* Mercury QC analyses were performed on sample A0.01060U. All other QC analyses were performed on sample A0.01055X. + QC Limit does not apply
Feb-00	D4 / HWY 191	5 / Soil Pore	*	WATER	Zinc	20	23.3			24.9			-6.39		ICPMS	
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Aluminum	20	1.22	U		3.69	U			+	ICPMS	
Feb-00	D4 / MW	Soil Pore / 1	A0.01005L/A0.01010H *	WATER	Antimony	20	0.52		В	0.97		В		+	ICPMS	Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
			A0.01005L/A0.01010H		•											* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Arsenic	20	0.79		В	2.04		В		+	ICPMS	* M 0C
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Barium	20	25.1		В	20.6		В		+	ICPMS	
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Beryllium	20	0.01		В	0.05		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													An August Were performed on sample     A0.01010H. All other QC analyses were performed     on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Cadmium	20	1.45		В	1.28		В		+	ICPMS	

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	M	Comments
			A0.01005L/A0.01010H					C			С					* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Calcium	20	413000			493000			-17.62		ICPMS	
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Chromium	20	4.24		В	2.81		В	40.57	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Cobalt	20	8.41		В	7.4		В	12.78	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Copper	20	19.3		В	16.1		В	18.01	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Iron	20	873			743			16.11		ICPMS	* Moroury OC analyses were performed an sample
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Lead	20	0.08		В	0.05		В	46.15	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Magnesium	20	621000			762000			-20.35		ICPMS	
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Manganese	20	7020			6010			15.53		ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Mercury	20	0.033	U		0.03	U			+	AV	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Nickel	20	36.5		В	30.3		В	18.49	+	ICPMS	
			A0.01005L/A0.01010H													* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Potassium	20	96700			116000			-17.92		ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H													A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Selenium	20	2.95			8.82			-123.97	+	ICPMS	

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L		Duplicate Result (D) μg/L		RPD	Q	M	Comments
			A0.01005L/A0.01010H					C		C				* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	* A0.01005L/A0.01010H	WATER	Silver	20	0.32	1	3 2.28	]	3	+	ICPMS	* Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Sodium	20	2680000		3250000		-19.53		ICPMS	
F 1 00	D4 (NW)	G 11P (1	A0.01005L/A0.01010H *				1.00						VGD VG	Mercury QC analyses were performed on sample A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Thallium	20	1.09	- 1	3 1.07	+ + + '	3	+	ICPMS	* Mercury QC analyses were performed on sample
E 1 00	D4 (NW)	0.1P. /I	A0.01005L/A0.01010H										I COD 4G	A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Vanadium	20	5.66	- 1	3 5.05	1	3	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01005L/A0.01010H											A0.01010H. All other QC analyses were performed on sample A0.01005L. + QC Limit does not apply
Feb-00	D4 / MW	Soil Pore / 1	*	WATER	Zinc	20	84.5		85.3		-0.92	+	ICPMS	* Mercury QC analyses were performed on sample
			A0.01075B/A0.01080Y											A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	*	WATER	Aluminum	20	12400		10100		21.02	**	ICPMS	* Mercury QC analyses were performed on sample
			A0.01075B/A0.01080Y											A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply. ** Outside QC limits.
Feb-00	D6 / D2	NS	*	WATER	Antimony	20	0.5	1	0.55	1	3	+	ICPMS	* Mercury QC analyses were performed on sample
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Arsenic	20	4.16		3 4.38		3	+	ICPMS	A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
	20,22	- 10	A0.01075B/A0.01080Y											* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply. ** Outside QC limits.
Feb-00	D6 / D2	NS	*	WATER	Barium	20	118	1	3 112	]	3	+	ICPMS	
			A0.01075B/A0.01080Y											Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.     ** Outside QC limits.
Feb-00	D6 / D2	NS	*	WATER	Beryllium	20	0.76	I	0.38	]	3	+	ICPMS	* Mercury QC analyses were performed on sample
F.1.00	D( / D2	NG	A0.01075B/A0.01080Y	WATER	6.1.	20	0.52		0.22				ICDMC	A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply. ** Outside QC limits.
Feb-00	D6 / D2	NS		WATER	Cadmium	20	0.52		0.33		3	+	ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Calcium	20	120000		115000		4.51		ICPMS	** Outside QC limits.

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) μg/L			Duplicate Result (D) μg/L			RPD	Q	М	Comments
Date	Cucut Gampie ID.	Strata (III)	. Trice Sample #:	mad ix.	rmaryte	Control Limit	µg/L	С		(D) µg/L	С	$\dashv$	KI D	V	.41	Comments
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Chromium	20	8.46		В	7.18		В		+	ICPMS	Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.     ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Cobalt	20	3.11		В	2.9		В		+	ICPMS	Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.     ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Copper	20	8.5		В	8.88		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Iron	20	6960			6210			11.38		ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Lead	20	5.25			5.15			1.92		ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
			A0.01075B/A0.01080Y													* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Magnesium	20	81300			80800			0.62		ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS NS	* A0.01075B/A0.01080Y *	WATER	Manganese	20	0.033	U		0.033	U		0.25	_	ICPMS AV	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Nickel	20	8.13		В	10.3	0	В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Potassium	20	18500			17800			3.53		ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.   ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Selenium	20	7.39			8.33			-11.96		ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y *	WATER	Silver	20	0.15		В	17.3			-196.55	**	ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	M	Comments
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Sodium	20	317000	C		375000	С		-16.61		ICPMS	* Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.  ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Thallium	20	0.1		В	0.033	U			+	ICPMS	Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.     ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Vanadium	20	21.2		В	17.5		В		+	ICPMS	Mercury QC analyses were performed on sample A0.01080Y. All other QC analyses were performed on sample A0.01075B. + QC Limit does not apply.     ** Outside QC limits.
Feb-00	D6 / D2	NS	A0.01075B/A0.01080Y	WATER	Zinc	20	32			31.8			0.5		ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
		5	A0.00990A/			20			В			,			I GDD 1G	* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	WATER	Aluminum	20	7.75		В	6.57		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F* A0.00990A/	WATER	Antimony	20	30.00		В	71.00		В		+	ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Arsenic	20	1.27		В	2.55		В		+	ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Barium	20	73.70		В	70.40		В		+	ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	WATER	Beryllium	20	10.00		В	11.00		В		+	ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	WATER	Cadmium	20	500.00		В	16.00		В		+	ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Calcium	20	68800.00			67400.00			2.02		ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	WATER	Chromium	20	57.00	U		100.00	U			+	ICPMS	

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	M	Comments
			A0.00990A/					C			С					* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Cobalt	20	16.00		В	22.00		В		+	ICPMS	
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Copper	20	2.36		В	2.55		В		+	ICPMS	
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Iron	20	142.00			143.00			-0.95		ICPMS	* Mercury QC analyses were performed on sample
			A0.00990A/													A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Lead	20	45.00		В	49.00		В		+	ICPMS	* Mercury QC analyses were performed on sample
			A0.00990A/													A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Magnesium	20	27400.00			27500.00			-0.13		ICPMS	
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Manganese	20	14.00		В	13.60		В		+	ICPMS	
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Mercury	20	360.00		В	410.00		В		+	AV	
Feb-00	D6 / D8	5	A0.00990A/ A0.00985F*	WATER	Nickel	20	2.00		В	1.74		В		_	ICPMS	Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Peb-00	D0 / D6	3	A0.00983F	WATER	INICKEI	20	2.00		Б	1./4		Б		7	ICFMS	* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Potassium	20	4060.00		В	4000.00		В		+	ICPMS	
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Selenium	20	6.44			10.70		_	-49.71	+	ICPMS	* Maroury OC analyses
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Silver	20	33.00		В	9.34		В		+	ICPMS	***
			A0.00990A/													* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Sodium	20	106000.00			100000.00			5.79		ICPMS	

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	М	Comments
			A0.00990A/					С			С					Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Thallium	20	900.00		В	16.00		В		+	ICPMS	
F.1.00	Dr. (Do	_	A0.00990A/						D						I GDN 4G	* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*  A0.00990A/	WATER	Vanadium	20	1.71		В	1.79		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.00990A. All other QC analyses were performed on sample A0.00985F. + QC Limit does not apply
Feb-00	D6 / D8	5	A0.00985F*	WATER	Zinc	20	3.29		В	3.10		В		+	ICPMS	
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Aluminum	20	13000			11900			8.86		ICPMS	Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Antimony	20	0.56		В	0.53		В		+	ICPMS	Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
100-00					Andmony							D				* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Arsenic	20	1.47		В	2.27		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*  A0.01095F/A0.01100J*	WATER	Barium Beryllium	20	39.5		В	0.42		В		+	ICPMS ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed or sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4/E10	10	A0.01095F/A0.01100J*	WATER	Cadmium	20	0.56		В	0.16		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
													205			* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*  A0.01095F/A0.01100J*	WATER	Calcium	20	91200		В	89300 9.49		В	2.05		ICPMS ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed or sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Cobalt	20	1.29		В	2.42		В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed or sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L			Duplicate Result (D) μg/L			RPD	Q	М	Comments
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Copper	20	2.85	C	В	7.59	С	В		+	ICPMS	* Mercury QC analyses were performed on sample A0.011001. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. **  Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Iron	20	6460			8010			-21.48	**	ICPMS	* Mercury QC analyses were performed on sample A0.011001. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Lead	20	2.2		В	5.01			-77.95	**	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Magnesium	20	36000			33800			6.14		ICPMS	* Mercury QC analyses were performed on sample A0.011001. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Manganese	20	28.2			74.4			-90.07	**	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4/E10	10	A0.01095F/A0.01100J*	WATER	Mercury	20	0.033	U		0.033	U				AV	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
		10			,	20		Ü	В	7.38	U	В		+		* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*  A0.01095F/A0.01100J*	WATER	Nickel	20	3.1		В	7530		В	-8.03	+	ICPMS ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Selenium	20	1.25		В	3.48		В	-6.03		ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4/E10	10	A0.01095F/A0.01100J*	WATER	Silver	20	0.5		В	0.32		В			ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Sodium	20	136000		D	136000		D	0.19		ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Thallium	20	0.57		В	0.11		В	0.17	+	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.

Appendix 2. Quality assurance data for metal blanks.

Date	Client Sample ID:	Strata (m)	NAREL Sample #:	Matrix:	Analyte	Control Limit	Sample Result (S) µg/L		Duplicate Result (D) μg/L		RPD	Q	M	Comments
								С		C				
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Vanadium	20	7.22	В	24.7	В		+	ICPMS	* Mercury QC analyses were performed on sample A0.01100J. All other QC analyses were performed on sample A0.01095F. + QC Limit does not apply. ** Outside QC limits.
Feb-00	E4 / E10	10	A0.01095F/A0.01100J*	WATER	Zinc	20	9.27	В	26.7		-96.83	**	ICPMS	* Mercury QC analyses were performed on sample A0.01110L. All other QC analyses were performed on sample A0.01105P. + QC Limit does not apply. ** Outside QC limits.

**Appendix 3.** Routine water qualityfrom field sampling, August 1998.

										Total Ammonia (mg/L as	
Date	Location	Strata (m)	Surf/Bot	Type of Sample	Temp (°C)	pН	Cond (mmhos/cm)	Sal (ppt)	DO (mg/L)	N)	Unionized Ammonia (mg/L as N)
Aug-98	U2	soil	na	pore water	NS	NS	NS	NS	NS	117.2	NS
Aug-98	U2	NS	na	water	25.5	8.69	1.20	0.5	8.3	0.0	0.00
Aug-98	U2	1	surf	water	25	8.8	1.20	0.8	8.7	0.0	0.00
Aug-98	U2	1	bot	water	25	8.79	1.19	0.8	8.6	0.0	0.00
Aug-98	U2	10	surf	water	25.5	8.7	1.19	0.5	8.9	0.0	0.00
Aug-98	U2	10	bot	water	25	8.59	1.19	NS	8.8	0.0	0.00
Aug-98	U2	30	surf	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	U2	30	bot	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	U2	midchannel	surf	water	NS	NS	NS	NS	NS	NS NG	NS NG
Aug-98	U2 U1	midchannel	bot	water	NS 27	NS	NS 8.00	NS 4.75	NS	NS 0.0	NS 0.00
Aug-98	U1	soil NS	na	pore water	25	6.83 8.58	1.19	4.75 0.5	1 8.7	0.0	0.00
Aug-98 Aug-98	U1	NS 1	na surf	water water	25	8.58	1.19	0.5	8.7	0.0	0.00
Aug-98	U1	1	bot	water	25	8.59	1.19	0.5	8.8	0.0	0.00
Aug-98 Aug-98	U1	10	surf	water	25.5	8.56	1.19	0.5	9	0.0	0.00
Aug-98	U1	10	bot	water	25.3	8.52	1.18	0.5	8.4	0.0	0.00
Aug-98	U1	30	surf	water	NS NS	NS NS	NS NS	NS	NS	NS	NS
Aug-98	U1	30	bot	water	NS	NS	NS	NS	NS	NS NS	NS NS
Aug-98	U1	midchannel	surf	water	NS	NS	NS	NS	NS	NS	NS NS
Aug-98	U1	midchannel	bot	water	NS	NS	NS	NS	NS	NS NS	NS NS
Aug-98	E4	soil	na	pore water	28.67	8.2	1.05	0.6	7.21	NS NS	NS NS
Aug-98	E4	NS	na	water	26.64	8.47	1.10	0.6	8.19	NS NS	NS NS
Aug-98	E4	1	surf	water	25.56	8.47	1.08	0.6	8.88	NS	NS
Aug-98	E4	1	bot	water	24.89	8.53	1.07	0.6	8.19	NS	NS
Aug-98	E4	10	surf	water	25.3	8.51	1.08	0.6	8.73	NS	NS
Aug-98	E4	10	bot	water	24.83	8.54	1.06	0.6	8.86	NS	NS NS
Aug-98	E4	30	surf	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E4	30	bot	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E4	midchannel	surf	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E4	midchannel	bot	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E10	soil	na	pore water	23	8.1	1.01	0.5	5.94	NS	NS
Aug-98	E10	NS	na	water	23.8	8.38	1.07	0.6	7.41	NS	NS
Aug-98	E10	1	surf	water	23.89	8.47	1.07	0.6	8.32	NS	NS
Aug-98	E10	1	bot	water	23.9	8.53	1.07	0.6	8.47	NS	NS
Aug-98	E10	10	surf	water	24.02	8.48	1.07	0.6	9.21	NS	NS
Aug-98	E10	10	bot	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E10	30	surf	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E10	30	bot	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E10	midchannel	surf	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	E10	midchannel	bot	water	NS	NS	NS	NS	NS	NS	NS
Aug-98	MW	soil	na	pore water	30	7.72	1.51	9.5	10.8	484.2	19.64
Aug-98	MW	NS	na	water	27.5	8.38	1.90	1	11.2	20.5	2.87
Aug-98	MW	1	surf	water	26	8.43	1.50	0.9	9.8	5.4	0.76
Aug-98	MW	1	bot	water	NS	NS	NS	NS	NS	5.4	NS
Aug-98	MW	10	surf	water	25	8.62	1.20	0.5	8.6	0.1	0.02
Aug-98	MW	10	bot	water	NS 24.5	NS	NS	NS	NS	0.1	NS 0.00
Aug-98	MW	30	surf	water	24.5	8.7	1.12	0.5	8.8	0.0	0.00
Aug-98	MW	30	bot	water	24.5	8.59	1.12	0.5	7.9	0.0	0.00
Aug-98	MW	midchannel	surf	water	25.1	8.77	1.18	NS	7.6	NS	0.00
Aug-98	MW	midchannel	bot	water	25.5	8.83 7.99	1.11 0.93	NS 0.5	7.5	0.0	0.00
Aug-98	Island1	soil NS	na	pore water	25.4 24.25	7.99 8.54		0.5	5.77	NS NS	NS NS
Aug-98 Aug-98	Island1	NS 1	na ourf	water	24.25	6.3	1.06 1.07	0.6	6.74 8.24	NS NS	NS NS
	Island1		surf	water	23.6 NS		1.07 NS	NS	8.24 NS	NS NS	NS NS
Aug-98	lsland1 lsland1	10	bot	water water	NS NS	NS NS			NS NS	NS NS	NS NS
Aug-98 Aug-98	lsland1	10	surf bot	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS
Aug-98 Aug-98	lsland1	30	surf	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS
Aug-98 Aug-98	lsland1	30	bot	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS
Aug-98 Aug-98	lsland1	midchannel	surf	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS
Aug-98	lsland1	midchannel	bot	water	NS	NS	NS	NS NS	NS	NS NS	NS NS
Aug-70	151dHU1	muchanner	<i>5</i> 01	water	110	140	110	1419	110	110	110

										Total Ammonia (mg/L as	
Date	Location	Strata (m)	Surf/Bot	Type of Sample	Temp (°C)	pН	Cond (mmhos/cm)	Sal (ppt)	DO (mg/L)	N)	Unionized Ammonia (mg/L as N)
Aug-98	D2	soil	na	pore water	24	7.09	20.10	10.5	2.1	684.9	4.44
Aug-98	D2	NS	na	water	31	8.03	7.10	NS	4.8	224.4	18.99
Aug-98	D2	1	surf	water	28	8.03	1.91	1.1	10.3	32.8	2.29
Aug-98	D2	1	bot	water	29.5	7.91	2.20	1.1	9.6	32.8	1.95
Aug-98	D2	10	surf	water	25	8.62	1.20	NS	8.7	2.0	0.38
Aug-98	D2	10	bot	water	25	8.63	1.19	NS	8.7	0.5	0.10
Aug-98	D2	30	surf	water	25	8.64	1.15	0.5	8.4	0.0	0.00
Aug-98	D2	30	bot	water	24.5	8.88	1.17	0.5	8.5	0.0	0.00
Aug-98	D2	midchannel	surf	water	24.5	8.63	1.10	NS	8.8	0.0	0.00
Aug-98	D2	midchannel	bot	water	24 NS	8.65	1.11 NS	NS	8.5 NS	0.0	0.00
Aug-98	D4	soil	na	pore water		NS		NS		771.4	NS NG
Aug-98	D4 D4	NS 1	na surf	water	28 27.5	NS 8.36	2.15	NS NS	9.8 9.8	34.9 14.5	NS 1.95
Aug-98 Aug-98	D4 D4	1	bot	water water	27.3	8.43	1.55 1.53	NS NS	9.8	21.4	3.20
	D4 D4	10		water	24.7	8.63	1.15	NS NS	8.7	0.3	0.05
Aug-98 Aug-98	D4 D4	10	surf bot		NS NS	NS NS	NS NS	NS NS	NS	0.3	NS
Aug-98	D4	30	surf	water water	25	8.65	1.15	0.5	8.5	0.0	0.00
Aug-98	D4	30	bot	water	NS NS	NS	NS NS	NS	NS	0.0	NS
Aug-98	D4	midchannel	surf	water	24.5	8.67	1.12	NS	8.6	0.0	0.00
Aug-98	D4	midchannel	bot	water	24	8.64	1.11	NS	8.4	0.0	0.00
Aug-98	D6	soil	na	pore water	NS NS	NS	NS	NS	NS	137.4	NS
Aug-98	D6	NS	na	water	26	8.22	1.70	NS	8.5	19.1	1.76
Aug-98	D6	1	surf	water	24.57	8.25	1.52	0.8	8.44	13.6	1.21
Aug-98	D6	1	bot	water	NS	NS	NS NS	NS	NS	13.6	NS
Aug-98	D6	10	surf	water	23.53	8.55	1.14	0.6	9.11	0.2	0.04
Aug-98	D6	10	bot	water	23.53	8.58	1.14	0.6	8.89	0.2	0.03
Aug-98	D6	30	surf	water	23.27	8.58	1.13	0.6	8.66	0.0	0.00
Aug-98	D6	30	bot	water	23.28	8.53	1.12	0.6	8.18	0.0	0.00
Aug-98	D6	midchannel	surf	water	23.2	8.53	1.12	0.6	8.31	0.0	0.00
Aug-98	D6	midchannel	bot	water	NS	NS	NS	NS	NS	0.0	NS
Aug-98	D8	soil	na	pore water	NS	NS	NS	NS	NS	0.0	NS
Aug-98	D8	NS	na	water	24.54	8.38	1.29	0.7	8.3	4.6	0.54
Aug-98	D8	1	surf	water	24.24	8.38	1.27	0.7	9.09	3.8	0.44
Aug-98	D8	1	bot	water	NS	NS	NS	NS	NS	3.7	NS
Aug-98	D8	10	surf	water	23.7	8.52	1.12	0.6	8.55	0.0	0.00
Aug-98	D8	10	bot	water	23.3	8.55	1.12	0.6	8.48	0.0	0.00
Aug-98	D8	30	surf	water	23.19	8.55	1.12	0.6	8.47	0.0	0.00
Aug-98	D8	30	bot	water	NS	NS	NS	NS	NS	0.0	0.00
Aug-98	D8	midchannel	surf	water	23.15	8.56	1.12	0.6	8.6	0.0	0.00
Aug-98	D8	midchannel	bot	water	NS	NS	NS	NS	NS	0.0	NS
Aug-98	D10	soil	na	pore water	NS	NS	NS	NS	NS	0.0	NS
Aug-98	D10	NS	na	water	24.3	8.51	1.23	0.6	7.04	0.7	0.10
Aug-98	D10	1	surf	water	23.9	8.44	1.20	0.6	8.61	0.0	0.00
Aug-98	D10	1	bot	water	23.93	8.45	1.20	0.6	8.63	0.0	0.00
Aug-98	D10	10	surf	water	23.15	8.47	1.12	0.6	8.6	0.0	0.00
Aug-98	D10	10	bot	water	23.18	8.54	1.12	0.6	8.3	0.0	0.00
Aug-98	D10	30	surf	water	23.09	8.56	1.12	0.6	9.46	0.0	0.00
Aug-98	D10	30	bot	water	23.08	8.56	1.11	0.6	8.29	0.0	0.00
Aug-98	D10	midchannel	surf	water	23.06	8.52	1.12	0.6	8.3	0.0	0.00
Aug-98	D10	midchannel	bot	water	23.06	8.54	1.12	0.6	8.23	0.0	0.00
Aug-98	D14 D14	soil NS	na	pore water	NS 23.93	NS 8.47	NS 1.10	NS 0.6	NS 7.81	NS 0.5	NS 0.06
Aug-98 Aug-98	D14 D14	NS 1	na ourf	water	23.93	8.47	1.10	0.6	8.62	0.5	0.06
	D14 D14		surf	water	24.63	8.51	1.10	0.6	8.62	0.5	0.07
Aug-98	D14 D14	10	bot	water water	24.64	8.51	1.10	0.6	8.42	0.5	0.07
Aug-98 Aug-98	D14 D14	10	surf bot	water	24.67 NS	8.51 NS	NS NS	NS	NS NS	0.0	0.00 NS
Aug-98 Aug-98	D14 D14	30	surf	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS	NS NS
Aug-98 Aug-98	D14 D14	30	bot	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS
Aug-98 Aug-98	D14 D14	midchannel	surf	water	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS	NS NS
Aug-98	D14	midchannel	bot	water	NS	NS	NS	NS NS	NS	NS NS	NS NS
Aug-70	D14	muchanner	υσι	w atti	1ND	110	110	1419	110	110	110

Date   Learline   Meret (ap)   Grafflet   Type of Sample   New York   No.   No.   Continuation   No.   No.											Total Ammonia (mg/L as	
Mag/88   D15	Date	Location	Strata (m)	Surf/Bot	Type of Sample	Temp (°C)	pН	Cond (mmhos/cm)	Sal (ppt)	DO (mg/L)		Unionized Ammonia (mg/L as N)
Aug-98   D15				na	pore water							****
Aug/98   D15												****
Aug/98   D15												****
Aug.   St.   10												
Aug.98   D15   30   surf   suster   NS   NS   NS   NS   NS   NS												
Aug/93												
Mag-98   D15												
Aug.98   D16   endel made   box   water   NS   NS   NS   NS   NS   NS   NS												
Aug-98   D16												
Aug.98   D16   NS												
Augo 88   D16												
Aug.98   D16												
Aug-98   D16   D10   surf   water   Q4-79   8.51   L94   D.0   0.00   0.00												****
Aug-98			_									
Aug.98   D16   30   surf   water   NS   NS   NS   NS   NS   NS   NS   Aug.96   D16   30   bot   water   NS   NS   NS   NS   NS   NS   Aug.96   D16   midchanrel   surf   water   NS   NS   NS   NS   NS   NS   NS   N												
Aug-98   Di6   30												
Aug-98   D16   midchannel   surf   water   NS   NS   NS   NS   NS   NS   NS												
Aug.98   D16   midchannel   bot   water   NS   NS   NS   NS   NS   NS   NS			midchannel									
Aug.98   D17   Soil   Para   Pore water   NS   NS   NS   NS   NS   NS   NS		D16		bot	water	NS	NS	NS	NS			NS
Aug.98   D17		D17	soil	na	pore water	NS	NS	NS		NS	NS	NS
Aug.98   D17	Aug-98	D17	NS	na	water	24.55	8.47	1.11	0.6	8.11	0.3	0.03
Aug-98   D17   D1   Surf   water   24.85   8.56   1.08   D6   D12.6   D0   D0   D0   D0	Aug-98	D17	1	surf	water	24.79	8.49	1.10	0.6	8.67	0.2	0.03
Aug-98         D17         10         bot         water         24.85         8.55         1.09         0.0         9.38         0.1         0.02           Aug-98         D17         30         bot         water         NS		D17	1	bot	water	NS	NS	NS	NS	NS	0.2	NS
Aug-98   D17   30   Surf   water   NS   NS   NS   NS   NS   NS   NS   N					water							
Aug-98   D17   30   bot   water   NS   NS   NS   NS   NS   NS   NS   Aug-98   D17   midchannel   surf   water   NS   NS   NS   NS   NS   NS   NS   N					water							***
Aug-98   D17   midchannel   surf   water   NS   NS   NS   NS   NS   NS   NS   N												
Aug-98         D17         midchannel         bot         water         NS         NS <td></td>												
Aug-98         D18         soil         na         pore water         NS         NS         NS         NS         NS         NS           Aug-98         D18         NS         na         water         24.41         8.5         1.09         6.6         7.39         0.4         0.05           Aug-98         D18         1         bot         water         24.47         8.52         1.10         0.6         8.59         0.3         0.04           Aug-98         D18         1         bot         water         24.67         8.52         1.11         0.6         7.81         0.2         0.03           Aug-98         D18         10         bot         water         24.87         8.5         1.07         0.6         9.57         0.1         0.01           Aug-98         D18         30         surf         water         NS												
Aug-98   D18   NS   na												
Aug-98   D18   1												
Aug-98   D18   1												
Aug-98   D18   10   surf   water   2487   8.5   1.07   0.6   9.57   0.1   0.01												
Aug-98   D18   10   bot   water   24.88   8.54   1.09   0.6   9.24   0.1   0.02			_									
Aug-98   D18   30   surf   water   NS   NS   NS   NS   NS   NS   NS   N												
Aug-98         D18         30         bot         water         NS												***
Aug-98         D18         midchannel         surf         water         NS         NS <td></td>												
Aug-98         D18         midchannel         bot         water         NS         NS         NS         NS         NS         NS           Aug-98         D19         soil         na         pore water         NS												
Aug-98         D19         soil         na         pore water         NS         NS         NS         NS         NS         NS           Aug-98         D19         NS         na         water         24.6         8.35         1.10         0.6         7.19         0.3         0.04           Aug-98         D19         1         surf         water         24.69         8.5         1.11         0.6         8.87         0.2         0.02           Aug-98         D19         1         bot         water         24.67         8.53         1.11         0.6         8.53         0.2         0.02           Aug-98         D19         10         surf         water         24.67         8.53         1.11         0.6         8.53         0.2         0.03           Aug-98         D19         10         bot         water         24.71         8.56         1.09         0.6         9         0.1         0.01         0.01           Aug-98         D19         30         surf         water         NS         NS <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
Aug-98         D19         NS         na         water         24.5         8.35         1.10         0.6         7.19         0.3         0.04           Aug-98         D19         1         surf         water         24.69         8.5         1.11         0.6         8.87         0.2         0.02           Aug-98         D19         1         bot         water         24.67         8.53         1.11         0.6         8.87         0.2         0.03           Aug-98         D19         10         surf         water         24.71         8.5         1.09         0.6         9         0.1         0.01           Aug-98         D19         10         bot         water         24.71         8.5         1.09         0.6         9         0.1         0.01           Aug-98         D19         30         surf         water         NS         NS <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												
Aug-98         D19         1         surf         water         24.69         8.5         1.11         0.6         8.87         0.2         0.02           Aug-98         D19         1         bot         water         24.67         8.53         1.11         0.6         8.53         0.2         0.03           Aug-98         D19         10         bot         water         24.71         8.56         1.09         0.6         9         0.1         0.01           Aug-98         D19         30         surf         water         NS         NS         NS         NS         NS         NS         NS           Aug-98         D19         30         bot         water         NS												
Aug-98         D19         10         surf         water         24.71         8.5         1.09         0.6         9         0.1         0.01           Aug-98         D19         10         bot         water         24.71         8.56         1.09         0.6         9.2         0.0         0.00           Aug-98         D19         30         surf         water         NS         NS         NS         NS         NS           Aug-98         D19         30         bot         water         NS         NS         NS         NS         NS         NS           Aug-98         D19         midchannel         surf         water         NS		D19				24.69	8.5			8.87		0.02
Aug-98         D19         10         surf         water         24.71         8.5         1.09         0.6         9         0.1         0.01           Aug-98         D19         10         bot         water         24.71         8.56         1.09         0.6         9.2         0.0         0.00           Aug-98         D19         30         surf         water         NS         NS         NS         NS         NS           Aug-98         D19         30         bot         water         NS         NS         NS         NS         NS         NS           Aug-98         D19         midchannel         surf         water         NS	Aug-98			bot	water							
Aug-98         D19         30         surf         water         NS					water							***
Aug-98         D19         30         bot         water         NS         NS         NS         NS         NS         NS           Aug-98         D19         midchannel         surf         water         NS         <												
Aug-98         D19         midchannel         surf         water         NS         NS <td></td>												
Aug-98         D19         midchannel         bot         water         NS         NS <td></td>												
Aug-98         D20         soil         na         pore water         NS												
Aug-98         D20         NS         na         water         24.41         8.49         1.01         0.6         7.6         0.2         0.02           Aug-98         D20         1         surf         water         24.67         8.51         1.11         0.6         9.21         0.1         0.02           Aug-98         D20         1         bot         water         24.65         8.53         1.11         0.6         9.34         0.1         0.02           Aug-98         D20         10         surf         water         24.61         8.52         1.09         0.6         8.95         0.1         0.01           Aug-98         D20         10         bot         water         NS         NS         NS         NS         0.0         NS           Aug-98         D20         30         surf         water         24.49         8.51         1.07         0.6         9.07         0.0         0.00           Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf												
Aug-98         D20         1         surf         water         24.67         8.51         1.11         0.6         9.21         0.1         0.02           Aug-98         D20         1         bot         water         24.65         8.53         1.11         0.6         9.21         0.1         0.02           Aug-98         D20         10         surf         water         24.61         8.52         1.09         0.6         8.95         0.1         0.01           Aug-98         D20         10         bot         water         NS         NS         NS         NS         NS           Aug-98         D20         30         surf         water         24.49         8.51         1.07         0.6         9.07         0.0         0.00           Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00												
Aug-98         D20         1         bot         water         24.65         8.53         1.11         0.6         9.34         0.1         0.02           Aug-98         D20         10         surf         water         24.61         8.52         1.09         0.6         8.95         0.1         0.01           Aug-98         D20         10         bot         water         NS         NS         NS         NS         0.0         NS           Aug-98         D20         30         surf         water         24.49         8.51         1.07         0.6         9.07         0.0         0.00           Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00												
Aug-98         D20         10         surf         water         24.61         8.52         1.09         0.6         8.95         0.1         0.01           Aug-98         D20         10         bot         water         NS         NS         NS         NS         NS         0.0         NS           Aug-98         D20         30         surf         water         24.49         8.51         1.07         0.6         9.07         0.0         0.00           Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00												***
Aug-98         D20         10         bot         water         NS         NS         NS         NS         0.0         NS           Aug-98         D20         30         surf         water         24.49         8.51         1.07         0.6         9.07         0.0         0.00           Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00			_									***
Aug-98         D20         30         surf         water         24.49         8.51         1.07         0.6         9.07         0.0         0.00           Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00												***
Aug-98         D20         30         bot         water         24.7         8.55         8.55         0.6         9.34         0.0         0.00           Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00												
Aug-98         D20         midchannel         surf         water         24.72         8.51         1.05         0.6         9.43         0.0         0.00												
	Aug-98	D20	midchannel	bot	water	24.75	8.53	1.07	0.6	9.12		

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

		l					1					1		
Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	0.	ıalifiers	Date Analyzed	Method	Texture:	Artifacts:
Cheft Sample 1D:	Strata	Project Name:	NAKEL Sample #:	Date Conecteu:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	C		•	Wiethou	rexture.	Artifacts.
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7429-90-5	Aluminum	333			9/25/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-36-0	Antimony	0.202		В	9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-38-2	Arsenic	29.6			9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-39-3	Barium	348			9/25/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-41-7	Beryllium	0.061		В	9/28/1998	3051/6020	NA	None
CHW CHW	Soil Pore	ATLAS MILL SITE	98.05124E 98.05124E	8/14/1998 8/14/1998	WATER WATER	7440-43-9 7440-70-2	Cadmium	0.085 103000		В	9/22/1998 9/25/1998	3051/6020 3051/6020	NA	None
CHW	Soil Pore Soil Pore	ATLAS MILL SITE	98.05124E 98.05124E	8/14/1998	WATER	7440-70-2	Calcium Chromium	103000		В	9/25/1998	3051/6020	NA NA	None None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E 98.05124E	8/14/1998	WATER	7440-47-3	Cobalt	0.472		В	9/22/1998	3051/6020	NA NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-50-8	Copper	7.8		В	9/22/1998	3051/6020	NA NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7439-89-6	Iron	433			9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7439-92-1	Lead	1.59		В	9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7439-95-4	Magnesium	33000			9/25/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7439-96-5	Manganese	145			9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-02-0	Nickel	12.8		В	9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-09-7	Potassium	8690			9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7782-49-2	Selenium	1.48	Ш	В	9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-22-4	Silver	0.0134	U		9/22/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-23-5	Sodium	108000			9/25/1998	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	98.05124E	8/14/1998	WATER	7440-28-0 7440-62-2	Thallium	0.099 7.26	$\vdash$	B B	9/22/1998 9/22/1998	3051/6020	NA NA	None
CHW CHW	Soil Pore Soil Pore	ATLAS MILL SITE	98.05124E 98.05124E	8/14/1998 8/14/1998	WATER WATER	7440-62-2	Vanadium Zinc	47.5		В	9/22/1998	3051/6020 3051/6020	NA NA	None None
CHW	NS	ATLAS MILL SITE	98.05124E 98.05132E	8/14/1998	WATER	7429-90-5	Aluminum	193		В	9/22/1998	3051/6020	NA NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-36-0	Antimony	0.194		В	9/22/1998	3051/6020	NA NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-38-2	Arsenic	2.25		В	9/22/1998	3051/6020	NA NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-39-3	Barium	92.5		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-41-7	Beryllium	0.0216	U		9/28/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-43-9	Cadmium	0.044		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-70-2	Calcium	109000			9/25/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-47-3	Chromium	0.558		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-48-4	Cobalt	0.189		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-50-8	Copper	4.51		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7439-89-6	Iron	281			9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7439-92-1	Lead	0.593		В	9/22/1998	3051/6020	NA	None
CHW CHW	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05132E 98.05132E	8/14/1998 8/14/1998	WATER WATER	7439-95-4 7439-96-5	Magnesium Manganese	31100 28.1			9/25/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-02-0	Nickel	8.47		В	9/22/1998	3051/6020	NA NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-02-0	Potassium	4200		В	9/22/1998	3051/6020	NA NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7782-49-2	Selenium	5.81		-	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-22-4	Silver	0.0134	U		9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-23-5	Sodium	101000			9/25/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-28-0	Thallium	0.096		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-62-2	Vanadium	2.7		В	9/22/1998	3051/6020	NA	None
CHW	NS	ATLAS MILL SITE	98.05132E	8/14/1998	WATER	7440-66-6	Zinc	4.84	$oxed{\Box}$	В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7429-90-5	Aluminum	114		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-36-0	Antimony	0.163		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-38-2	Arsenic	1.31		В	9/22/1998	3051/6020	NA	None
HWY 191 HWY 191	NS NC	ATLAS MILL SITE ATLAS MILL SITE	98.05130C 98.05130C	8/14/1998 8/14/1998	WATER WATER	7440-39-3 7440-41-7	Barium	66.8 0.0216	U	В	9/22/1998 9/28/1998	3051/6020 3051/6020	NA NA	None
HWY 191	NS NS	ATLAS MILL SITE	98.05130C 98.05130C	8/14/1998	WATER	7440-41-7	Beryllium Cadmium	0.0216	U	В	9/28/1998	3051/6020	NA NA	None None
HWY 191	NS NS	ATLAS MILL SITE	98.05130C 98.05130C	8/14/1998	WATER	7440-70-2	Calcium	100000		ь	9/25/1998	3051/6020	NA NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-70-2	Chromium	0.532	$\vdash$	В	9/22/1998	3051/6020	NA NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-48-4	Cobalt	0.114		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-50-8	Copper	4.31		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7439-89-6	Iron	173			9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7439-92-1	Lead	0.5		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7439-95-4	Magnesium	28700			9/25/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7439-96-5	Manganese	4.37		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-02-0	Nickel	8.72		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-09-7	Potassium	3880		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7782-49-2	Selenium	3.78	1 1	В	9/22/1998	3051/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

		1										1		
Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	0.	ıalifiers	Date Analyzed	Method	Texture:	Artifacts:
Cheft Sample 1D.	Strata	Troject Name.	NAICEE Sample #.	Date Conected.	Matrix.	CAS Number	Analyte	Concentration (µg/L)	C			Method	rexture.	Artifacts.
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-22-4	Silver	0.0134	U		9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-23-5	Sodium	86300			9/25/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-28-0	Thallium	0.104		В	9/22/1998	3051/6020	NA	None
HWY 191	NS	ATLAS MILL SITE	98.05130C	8/14/1998	WATER	7440-62-2	Vanadium	2.47 7.28		B B	9/22/1998	3051/6020	NA	None
HWY 191 HWY 191 (1)	NS	ATLAS MILL SITE ATLAS MILL SITE	98.05130C 98.04179R	8/14/1998 7/22/1998	WATER WATER	7440-66-6 7429-90-5	Zinc Aluminum	233		В	9/22/1998 9/25/1998	3051/6020 3051/6020	NA NA	None None
HWY 191 (1)		ATLAS MILL SITE	98.04179R 98.04179R	7/22/1998	WATER	7440-36-0	Antimony	0.201		В	9/22/1998	3051/6020	NA NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R 98.04179R	7/22/1998	WATER	7440-38-2	Arsenic	1.41	1	В	9/22/1998	3051/6020	NA NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-39-3	Barium	66.2		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98 04179R	7/22/1998	WATER	7440-41-7	Beryllium	0.034		В	9/28/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-43-9	Cadmium	0.064		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-70-2	Calcium	81100			9/25/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-47-3	Chromium	0.629		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-48-4	Cobalt	0.233		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-50-8	Copper	3.72		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7439-89-6	Iron	352			9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7439-92-1	Lead	1.26	$\sqcup$	В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7439-95-4	Magnesium	20500			9/25/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7439-96-5	Manganese	22.1	$\vdash \vdash \downarrow$	D	9/22/1998	3051/6020	NA NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998 7/22/1998	WATER	7440-02-0	Nickel	6.53		В	9/22/1998	3051/6020	NA NA	None
HWY 191 (1) HWY 191 (1)		ATLAS MILL SITE ATLAS MILL SITE	98.04179R 98.04179R	7/22/1998	WATER WATER	7440-09-7 7782-49-2	Potassium Selenium	2860 2.95	$\vdash$	В	9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
HWY 191 (1)		ATLAS MILL SITE	98.04179R 98.04179R	7/22/1998	WATER	7440-22-4	Silver	0.0134	U	ь	9/22/1998	3051/6020	NA NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-23-5	Sodium	57200	U		9/25/1998	3051/6020	NA NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-28-0	Thallium	0.133		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-62-2	Vanadium	2.57		В	9/22/1998	3051/6020	NA	None
HWY 191 (1)		ATLAS MILL SITE	98.04179R	7/22/1998	WATER	7440-66-6	Zinc	7.8		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7429-90-5	Aluminum	109		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-36-0	Antimony	0.233		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-38-2	Arsenic	1.56		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-39-3	Barium	62.1		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-41-7	Beryllium	0.0216	U		9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-43-9	Cadmium	0.297		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-70-2	Calcium	81200	-		9/25/1998	3051/6020	NA	None
HWY 191 (2) HWY 191 (2)		ATLAS MILL SITE ATLAS MILL SITE	98.04181K 98.04181K	7/22/1998 7/22/1998	WATER WATER	7440-47-3 7440-48-4	Chromium Cobalt	0.763 0.159		B B	9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-50-8	Copper	3.92		В	9/22/1998	3051/6020	NA NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7439-89-6	Iron	202	1	ь	9/22/1998	3051/6020	NA NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7439-92-1	Lead	1.27		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7439-95-4	Magnesium	20200			9/25/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7439-96-5	Manganese	11.5		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-02-0	Nickel	9.17		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-09-7	Potassium	2820		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7782-49-2	Selenium	4.06		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-22-4	Silver	0.0134	U		9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-23-5	Sodium	55700			9/25/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-28-0	Thallium	1.62e□01		В	9/22/1998	3051/6020	NA	None
HWY 191 (2)		ATLAS MILL SITE	98.04181K	7/22/1998	WATER	7440-62-2	Vanadium	1.99	$\vdash$	В	9/22/1998	3051/6020	NA	None
HWY 191 (2) Island	Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.04181K 98.05140E	7/22/1998 8/17/1998	WATER WATER	7440-66-6 7429-90-5	Zinc	110 15.8	U		9/24/1998 9/22/1998	3051/6020 3051/6020	NA NA	None
Island	Soil Pore Soil Pore	ATLAS MILL SITE	98.05140E 98.05140E	8/17/1998	WATER	7440-36-0	Aluminum Antimony	0.144	U	В	9/22/1998	3051/6020	NA NA	None None
Island	Soil Pore	ATLAS MILL SITE	98.05140E 98.05140E	8/17/1998	WATER	7440-38-2	Arsenic	2.67	$\vdash$	В	9/22/1998	3051/6020	NA NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-39-3	Barium	394	+	-	9/25/1998	3051/6020	NA NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-41-7	Beryllium	0.0216	U		9/28/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-43-9	Cadmium	0.089		В	9/22/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-70-2	Calcium	90300			9/25/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-47-3	Chromium	0.496		В	9/22/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-48-4	Cobalt	0.156		В	9/22/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-50-8	Copper	3.21		В	9/22/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7439-89-6	Iron	95.6	ШΙ	В	9/22/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7439-92-1	Lead	0.425	1 1	В	9/22/1998	3051/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

Island S Island S Island S	Strata Soil Pore	Project Name:	NAREL Sample #:	Date Collected:										
Island S Island S Island S				Date Conected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		ualifiers	Date Analyzed	Method	Texture:	Artifacts:
Island S	G '1 B	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7439-95-4	Magnesium	25900	,		9/25/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7439-96-5	Manganese	0.62	U		9/22/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-02-0	Nickel	11.4		В	9/22/1998	3051/6020	NA	None
Island	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-09-7	Potassium	4310		В	9/22/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7782-49-2	Selenium	0.205	U		9/22/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-22-4	Silver	0.021		В	9/25/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-23-5	Sodium	80400			9/25/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-28-0	Thallium	0.135		В	9/22/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-62-2	Vanadium	1.37		В	9/22/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05140E	8/17/1998	WATER	7440-66-6	Zinc	40			9/22/1998	3051/6020	NA	None
Island	NS NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7429-90-5	Aluminum	551		D	9/24/1998 9/24/1998	3051/6020	NA	None
Island	NS NS	ATLAS MILL SITE	98.05141F 98.05141F	8/17/1998 8/17/1998	WATER WATER	7440-36-0 7440-38-2	Antimony	0.168 2.24		B	9/24/1998	3051/6020 3051/6020	NA NA	None
Island Island	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05141F 98.05141F	8/17/1998	WATER	7440-38-2	Arsenic Barium	192		В	9/24/1998	3051/6020	NA NA	None None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-39-3	Beryllium	0.028		В	9/24/1998	3051/6020	NA NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-41-7	Cadmium	0.028		В	9/24/1998	3051/6020	NA NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-70-2	Calcium	104000		ь	9/24/1998	3051/6020	NA NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-70-2	Chromium	104000		В	9/24/1998	3051/6020	NA NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-48-4	Cobalt	0.256		В	9/24/1998	3051/6020	NA NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-50-8	Copper	5.2		В	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7439-89-6	Iron	462		D	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7439-92-1	Lead	1.32		В	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7439-95-4	Magnesium	28900			9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7439-96-5	Manganese	23.4			9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-02-0	Nickel	13.7		В	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-09-7	Potassium	4320		В	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7782-49-2	Selenium	0.908		В	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-22-4	Silver	0.0134	U		9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-23-5	Sodium	94000			9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-28-0	Thallium	0.0628	U		9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-62-2	Vanadium	2.96		В	9/24/1998	3051/6020	NA	None
Island	NS	ATLAS MILL SITE	98.05141F	8/17/1998	WATER	7440-66-6	Zinc	17.8		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7429-90-5	Aluminum	750			9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-36-0	Antimony	0.529		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-38-2	Arsenic	2.35		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-39-3	Barium	115		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-41-7	Beryllium	0.101		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-43-9	Cadmium	0.159		В	9/24/1998	3051/6020	NA	None
	Soil Pore Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05142G 98.05142G	8/17/1998 8/17/1998	WATER WATER	7440-70-2 7440-47-3	Calcium Chromium	92100 0.993		В	9/24/1998 9/24/1998	3051/6020 3051/6020	NA NA	None None
	Soil Pore	ATLAS MILL SITE	98.05142G 98.05142G	8/17/1998	WATER	7440-47-3	Cobalt	0.633			9/24/1998	3051/6020	NA NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G 98.05142G	8/17/1998	WATER	7440-48-4	Copper	6.82		B B	9/24/1998	3051/6020	NA NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G 98.05142G	8/17/1998	WATER	7439-89-6	Iron	1250		ъ	9/24/1998	3051/6020	NA NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7439-92-1	Lead	3.62			9/24/1998	3051/6020	NA NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7439-95-4	Magnesium	21200			9/24/1998	3051/6020	NA NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7439-96-5	Manganese	37.9			9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-02-0	Nickel	10.5		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-09-7	Potassium	3630		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7782-49-2	Selenium	4		В	9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-22-4	Silver	0.0134	U		9/24/1998	3051/6020	NA	None
	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-23-5	Sodium	98400			9/24/1998	3051/6020	NA	None
E4 5	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-28-0	Thallium	0.0628	U		9/24/1998	3051/6020	NA	None
E4 5	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-62-2	Vanadium	5.99		В	9/24/1998	3051/6020	NA	None
E4 5	Soil Pore	ATLAS MILL SITE	98.05142G	8/17/1998	WATER	7440-66-6	Zinc	18.5		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7429-90-5	Aluminum	81.5		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-36-0	Antimony	0.188		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-38-2	Arsenic	1.69		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-39-3	Barium	69.1		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-41-7	Beryllium	0.0216	U		9/25/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-43-9	Cadmium	0.0285	U		9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-70-2	Calcium	98200			9/24/1998	3051/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

												1	1	
Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		ıalifiers	Date Analyzed	Method	Texture:	Artifacts:
Cheft Sample 1D.	Strata	Troject Name.	NAKEL Sample #.	Date Conected.	Matrix.	CAS Number	Analyte	Concentration (µg/L)	Ų		Date Analyzeu	Method	rexture.	Ai tilacts.
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-47-3	Chromium	0.467	ΙÌ	В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-48-4	Cobalt	0.152		В	9/25/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-50-8	Copper	3.94		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7439-89-6	Iron	182			9/24/1998	3051/6020	NA	None
E4 E4	NS NS	ATLAS MILL SITE	98.05143H	8/17/1998 8/17/1998	WATER	7439-92-1 7439-95-4	Lead	0.312 31400		В	9/24/1998 9/24/1998	3051/6020	NA NA	None
E4	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05143H 98.05143H	8/17/1998	WATER WATER	7439-95-4	Magnesium Manganese	5.91		В	9/24/1998	3051/6020 3051/6020	NA NA	None None
E4	NS NS	ATLAS MILL SITE	98.05143H 98.05143H	8/17/1998	WATER	7440-02-0	Nickel	12.6		В	9/24/1998	3051/6020	NA NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-02-0	Potassium	3890		В	9/24/1998	3051/6020	NA NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7782-49-2	Selenium	5.82		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-22-4	Silver	0.0134	U		9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-23-5	Sodium	93600			9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-28-0	Thallium	0.0628	U		9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-62-2	Vanadium	2.6		В	9/24/1998	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	98.05143H	8/17/1998	WATER	7440-66-6	Zinc	4.16		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7429-90-5	Aluminum	188		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-36-0	Antimony	0.44		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-38-2 7440-39-3	Arsenic	3.55		В	9/24/1998	3051/6020	NA NA	None
E10 E10	Soil Pore Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05138L 98.05138L	8/16/1998 8/16/1998	WATER WATER	7440-39-3	Barium Beryllium	139 0.029		B B	9/24/1998 9/24/1998	3051/6020 3051/6020	NA NA	None None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-43-9	Cadmium	0.078		В	9/24/1998	3051/6020	NA NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-70-2	Calcium	119000		-	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-47-3	Chromium	0.682		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-48-4	Cobalt	0.303		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-50-8	Copper	5.26		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7439-89-6	Iron	654			9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7439-92-1	Lead	3.17			9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7439-95-4	Magnesium	27100			9/24/1998	3051/6020	NA	None
E10 E10	Soil Pore Soil Pore	ATLAS MILL SITE	98.05138L 98.05138L	8/16/1998 8/16/1998	WATER WATER	7439-96-5 7440-02-0	Manganese	29.5 9.55		D	9/24/1998 9/24/1998	3051/6020 3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05138L 98.05138L	8/16/1998	WATER	7440-02-0	Nickel Potassium	9.55 4390		B B	9/24/1998	3051/6020	NA NA	None None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7782-49-2	Selenium	3.8		В	9/24/1998	3051/6020	NA NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-22-4	Silver	0.0134	U	В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-23-5	Sodium	74500			9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-28-0	Thallium	0.0628	U		9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-62-2	Vanadium	4.39		В	9/24/1998	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	98.05138L	8/16/1998	WATER	7440-66-6	Zinc	7.99		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7429-90-5	Aluminum	135		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-36-0	Antimony	0.396		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-38-2	Arsenic	1.69		В	9/24/1998	3051/6020	NA	None
E10 E10	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05139M 98.05139M	8/17/1998 8/17/1998	WATER WATER	7440-39-3 7440-41-7	Barium	74.4 0.188	$\vdash \vdash \vdash$	B B	9/24/1998 9/24/1998	3051/6020 3051/6020	NA NA	None None
E10	NS NS	ATLAS MILL SITE	98.05139M 98.05139M	8/17/1998	WATER	7440-41-7	Beryllium Cadmium	0.188		В	9/24/1998	3051/6020	NA NA	None None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-70-2	Calcium	104000		-	9/24/1998	3051/6020	NA NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-47-3	Chromium	0.667		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-48-4	Cobalt	0.345		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-50-8	Copper	4.43		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7439-89-6	Iron	300			9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7439-92-1	Lead	0.536		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7439-95-4	Magnesium	31600			9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7439-96-5	Manganese	7.07	$\sqcup$	В	9/24/1998	3051/6020	NA	None
E10 E10	NS NS	ATLAS MILL SITE	98.05139M 98.05139M	8/17/1998 8/17/1998	WATER WATER	7440-02-0 7440-09-7	Nickel	9.87 3900		B B	9/24/1998 9/24/1998	3051/6020 3051/6020	NA NA	None
E10 E10	NS NS	ATLAS MILL SITE	98.05139M 98.05139M	8/17/1998	WATER	7782-49-2	Potassium Selenium	3900 5.56	$\vdash$	В	9/24/1998	3051/6020 3051/6020	NA NA	None None
E10 E10	NS NS	ATLAS MILL SITE	98.05139M 98.05139M	8/17/1998	WATER	7440-22-4	Silver	0.021	$\vdash$	В	9/24/1998	3051/6020	NA NA	None None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-23-5	Sodium	92300	H		9/24/1998	3051/6020	NA NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-28-0	Thallium	0.25		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-62-2	Vanadium	2.77		В	9/24/1998	3051/6020	NA	None
E10	NS	ATLAS MILL SITE	98.05139M	8/17/1998	WATER	7440-66-6	Zinc	3.34		В	9/24/1998	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	98.05133F	8/14/1998	WATER	7429-90-5	Aluminum	163		В	9/22/1998	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	98.05133F	8/14/1998	WATER	7440-36-0	Antimony	1.16		В	9/22/1998	3051/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

Control   Cont			1	1			1						1		
Column   C	Client Sample ID:	Strata	Project Name:	NARFI Sample #	Date Collected:	Matrix	CAS Number	Analyte	Concentration (ug/L)	0	nalifiare	Date Analyzed	Method	Texture	Artifacts
WW   SolPon   ATAS MRIT STFT   0881337   V.11/1098   WATER   7440-96-1   Result   99.7   B   97.21962   MA   None   MA   None   MA   None   MA   None   MA   MA   MA   MA   MA   MA   MA   M	Cheir Sample 151	Strutu	110jeet 1 tamer	TATICEE Sample #1	Date conceted	1/1441141	CAS Humber	Timiyee	Concentration (µg/1)	•				reacurer	Trendetsi
Mov															
MW															
MW								- ,							
MW											ь				
MW											В				
MW															
MW   Sol Page   ATLAS MIL STIT   98.01339	MW			98.05133F	8/14/1998	WATER	7440-50-8	Copper	77.2			9/22/1998	3051/6020		
MW   Sol Pare   ATLAS MILL STIT	MW	Soil Pore	ATLAS MILL SITE	98.05133F	8/14/1998	WATER	7439-89-6	Iron	555			9/22/1998	3051/6020	NA	None
MW   Sol Pare   ATLAS MILL STIT   98.95339F   \$914998   WATER   745996-2   Nongenee   130     9.253998   35614000   NA   None   MW   Sol Pare   ATLAS MILL STIT   98.95339F   \$141998   WATER   7449-52-0   None   MA   MA   MA   MA   MA   MA   MA   M											В				
MW   Sol Proc   ALLAS MILLSTIN   980133F   8141999   WATER   7440-057   Pression   66909   9. 9231998   80516000   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7420-057   Pression   2.68   1.8   9.221998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7420-057   Soliton   1.65000   1. 9. 9221998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7440-255   Soliton   1.65000   1. 9. 9221998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7440-252   Vanadium   0.25   B   9.221998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7440-252   Vanadium   0.25   B   9.921998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7440-252   Vanadium   0.25   B   9.921998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7440-252   Vanadium   0.25   B   9.921998   30516020   NA   None   MW   Sol Proc   ALLAS MILLSTIN   980153F   8141995   WATER   7440-252   Vanadium   0.25   B   9.921998   30516020   NA   None   MW   6.279410   None   MW   6.2794															
MW   Sol Proc   ATLAS MILL STE   99.05133F   81.41995   WATER   778.405.45   Selenium   569.00     92.51998   305.16020   NA   None   NA   Na   Na   Na   Na   Na   Na   Na								0							
MW											В				
MW											D				
MW   Sol   Poet   ATLAS MILLSITE   98.05131F   \$14.098   WATER   \$440.25.5   Sodium   \$16.0000   \$9.25.1988   \$361.4650   NA   None   MW   Sol   Poet   ATLAS MILLSITE   98.05131F   \$14.1998   WATER   \$440.52.5   Tabilium   \$0.25   B   \$9.22.1998   \$361.4050   NA   None   MW   Sol   Poet   ATLAS MILLSITE   \$9.05131F   \$14.1998   WATER   \$440.65.2   Vanadum   \$1.3   B   \$9.22.1998   \$361.4050   NA   None   MW   \$6.590.11   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000   \$1.00000										11	В				
MW   Soli Pue   ATLAS MILL STE   98.05133F   81/41998   WATER   7440-25-0   Tanisum   0.25   8   9221998   3051 0050   N.A.   None   M.W.   Soli Pue   ATLAS MILL STE   98.05133F   81/41998   WATER   7440-65-2   Vandium   12.3   8   9221998   3051 0050   N.A.   None   M.W.   Soli Pue   ATLAS MILL STE   98.05133F   81/41998   WATER   7440-65-6   American   American   American   M.W.   Soli Pue   ATLAS MILL STE   98.05133F   81/41998   WATER   7440-65-6   American   American   American   M.W.   Soli Pue   ATLAS MILL STE   98.05135F   Soli Pue   ATLAS MILL STE										U					
MW   Solf Poet   ATLAS MILL STE   98.05133F   \$141998   WATER   7440-62-2   T. v.										$\vdash$	В				
MW (6.259)(1) Soli Pece ATLAS MILL STIF (98.05138) 87.14998 WATER 7440-6-6 / Zee 11.9   B 92,21998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (98.05138) 87.16998 WATER 7440-5-6 / Antimorp (198. B) 92,21998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (98.05138) 87.16998 WATER 7440-5-6 / Antimorp (198. B) 92,21998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.16998 WATER 7440-5-6 / Antimorp (198. B) 92,21998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-5-6 / Antimorp (198. B) 92,21998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-6-7 / Antimorp (198. B) 92,21998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-6-7 / Antimorp (198. B) 87.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-6-7 / Antimorp (198. B) 87.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 87.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 87.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 87.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 97.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 97.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 97.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 97.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 97.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF (198. B) 87.14998 WATER 7440-7 / Antimorp (198. B) 97.14998 30516020 NA None MW (6.259)(1) Soli Pece ATLAS MILL STIF															
NW (6.25%)   Soil Pote   ATLAS MILL STE   98.081581   \$8161998   WATER   7428-90.5   Almmum   66.7   B   9.221998   30516020   NA   None   NW (6.25%)   Soil Pote   ATLAS MILL STE   98.081581   \$8161998   WATER   7440-36.0   Almmum   66.7   B   9.221998   30516020   NA   None   NW (6.25%)   None   NW (6.															
NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-38-2   Arsenic   1.68   B   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-38-2   Arsenic   1.68   B   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-38-3   Barium   69   B   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-47-3   Cadman   0.02   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-47-3   Cadman   0.02   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-48-4   Cobalt   0.144   D   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-84-4   Cobalt   0.144   D   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-84   Cobalt   0.144   D   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-84   Cobalt   0.144   D   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-58   Cooper   8.63   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-58   Cooper   8.63   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-58   Cooper   8.63   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-58   Cooper   8.63   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-59   D   9.221998   30516020   NA   Nose   NW (625%) (1)   Soil Prec   ATLAS MILL STE   98.05153H   \$161998   WATER   7440-															
MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-34-3   Barium   69   B   9,0221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-41-7   Beylium   0.0216   U   9,281998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-41-7   Beylium   0.0216   U   9,281998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-41-7   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-41-9   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-73   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-73   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-78   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-78   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-78   Calcium   122000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   749-8-6   Copper   E   540000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   749-8-6   Copper   E   540000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   749-8-6   Copper   E   540000   E   9,221998   30516020   NA   None   MW (c.25%) (1)   SolPec   ATLAS MILL STE   98,051381   \$161998   WATER   7440-0-0   None   E   9,221998   30516020   NA   None   E   9,221998   30516020   NA   None   E   9,221998   30516020   NA   None   MW (															
MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-41-9 Cadmium 0.0216 U 928/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-2 Calcium 122000 U 925/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-3 Chemium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-3 Chemium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-3 Chemium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-3 Chemium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 740-07-3 Chemium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7439-95-4 Magnetium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7439-95-5 Magnetium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7439-95-5 Magnetium 0.546 U 927/1998 30510020 NA None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (1) Soil Poec ATLAS MILL STIE 98.051381 816/1998 WATER 7440-07-0 None MW (25%) (				98.05135H	8/16/1998	WATER	7440-38-2	_	1.68		В	9/22/1998	3051/6020		
MW (c.25%) (1) Soil Poer ATLAS MILL SITE   98,05135H   8161998   WATER   7440-43-9   Cadmum   0.092   B   9,221998   30516020   NA   None   MW (c.25%) (1) Soil Poer   ATLAS MILL SITE   98,05135H   8161998   WATER   7440-47-3   Chromium   0.846   B   9,221998   30516020   NA   None   MW (c.25%) (1) Soil Poer   ATLAS MILL SITE   98,05135H   8161998   WATER   7440-47-3   Chromium   0.846   B   9,221998   30516020   NA   None   MW (c.25%) (1) Soil Poer   ATLAS MILL SITE   98,05135H   8161998   WATER   7440-84   Cobalt   0.144   B   9,221998   30516020   NA   None   MW (c.25%) (1) Soil Poer   ATLAS MILL SITE   98,05135H   8161998   WATER   7440-84   Cobalt   0.144   B   9,221998   30516020   NA   None   MW (c.25%) (1) Soil Poer   ATLAS MILL SITE   98,05135H   8161998   WATER   7449-84   Cobalt   Co	MW (6.25%) (1)	Soil Pore	ATLAS MILL SITE	98.05135H	8/16/1998	WATER	7440-39-3	Barium	69		В	9/22/1998	3051/6020	NA	None
MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-70.2   Calcium   12.000     9.251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-72.   Calcium   12.000     9.251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-84   Cobal   0.144   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-84   Cobal   0.144   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-82   Cobal   0.144   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7439-95-4   Magnetium   53800   9.0251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7439-95-4   Magnetium   53800   9.251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7439-95-4   Magnetium   53800   9.251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7439-95-4   Magnetium   53800   9.251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7439-95-4   Magnetium   53800   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-02-0   Noted   14.4   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-02-0   Noted   14.4   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-02-0   Noted   14.01998   WATER   7440-02-0   Noted   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-02-0   Noted   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-02-0	MW (6.25%) (1)	Soil Pore	ATLAS MILL SITE	98.05135H	8/16/1998	WATER	7440-41-7	Beryllium	0.0216	U		9/28/1998	3051/6020	NA	None
MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-47-3   Chromium   0.846   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-80-8   Coppet   8.63   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-80-8   Coppet   8.63   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7449-90-6   Iron   175   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7449-90-1   Lead   0.778   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7449-90-6   Magnesium   53800   9.251998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7449-90-6   Nickel   14.4   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-90-7   Nickel   14.4   B   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-90-7   Potassum   7680   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   77440-90-7   Potassum   7680   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   77440-92-4   Silver   0.0134   U   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-92-4   Silver   0.0134   U   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-92-4   Silver   0.0134   U   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore   ATLAS MILL SITE   98.05135H   87.01998   WATER   7440-92-4   Silver   0.0134   U   9.221998   30516020   NA   None   MW (0.25%) (1)   Soll Pore	MW (6.25%) (1)	Soil Pore	ATLAS MILL SITE	98.05135H	8/16/1998	WATER	7440-43-9	Cadmium	0.092		В	9/22/1998	3051/6020	NA	None
MW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-48-4   Cohalt   0.144   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-88-4   Cohalt   0.178   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7439-92-1   Lead   0.778   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7439-92-1   Lead   0.778   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7439-95-4   Magnesium   53800   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-02-0   Nickel   14.4   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-02-0   Nickel   14.4   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-02-0   Nickel   14.4   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-02-0   Nickel   14.4   B   922/1998   3051,0020   NA   None   NW (625%) (1)   Soll Pore   ATLAS MILLSTIE   98,05135H   81,61998   WATER   7440-02-0   Nickel   Nic	MW (6.25%) (1)	Soil Pore	ATLAS MILL SITE	98.05135H		WATER		Calcium					3051/6020		None
MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.051514   816/1998   WATER   7440-50-8   Copper   8.63   B   922/1998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7439-92-1   Lead   0.778   B   922/1998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7439-93-4   Magnesse   23.2   B   922/1998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7439-93-5   Magnesse   23.2   B   922/1998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-02-0   Nickel   14.4   B   922/1998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-02-0   Nickel   14.4   B   922/1998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-02-0   Soil-Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-02-0   Soil-Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-22-4   Soil-Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-22-5   Soil-Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-22-5   Soil-Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-22-5   Soil-Pore   ATLAS MILL SITE   98.0515151   816/1998   WATER   7440-23-5   Soil-Pore   ATLAS MILL SITE   98.0515151   81															
MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7439-92-1   Lead   0.778   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7439-92-1   Lead   0.778   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7439-95-4   Magnesium   53800   92.51998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-0   Nickel   14.4   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-0   Nickel   14.4   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-0   Nickel   14.4   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-0   Nickel   14.4   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-4   Silver   0.0134   U   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-4   Silver   0.0134   U   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-5   Soilman   198000   D   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-5   Vanadium   198000   D   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05135H   816/1998   WATER   7440-02-5   Vanadium   78.8   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05136H   816/1998   WATER   7440-02-5   Vanadium   78.8   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore   ATLAS MILL STIE   98.05136H   816/1998   WATER   7440-02-5   Vanadium   78.8   B   9221998   30516020   NA   None   MW (0.25%) (1)   Soil Pore															
MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7439-92-1   Lead   0.778   B   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7439-96-5   Manganese   23.2     9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-90-7   Nicele   14.4   B   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-90-7   Nicele   14.4   B   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-90-7   Nicele   14.4   B   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-90-7   Nicele   14.4   B   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-92-4   Silver   0.0134   U   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-23-4   Silver   0.0134   U   9.22/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-23-5   Soction   198000   P. 9.25/1998   3051,6620   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.65135H   St (1998   WATER   7440-23-6   Na   Material St (1998   WATER   7440-24-6   Na   Material St (1998   WATER   7440-24-6   Na   Material St (1998   WATER   7440-24-6   Na   Material St (1998   WATER   7440-38-0   Na   Na   Material St (1998   WATER   7440-38-0											В				
MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   \$8161998   WATER   7439.95.4   Magnesium   53800   9.251998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   \$8161998   WATER   7440.02.0   Nickel   14.4   B   9.221998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   \$8161998   WATER   7440.02.0   Nickel   14.4   B   9.221998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   \$8161998   WATER   7440.02.7   Potassium   7630   9.221998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   \$8161998   WATER   7440.02.7   Soil Pore   ATLAS MILL SITE   98.05135H   \$8161998   WATER   7440.22.4   Soil Pore   ATLAS MILL SITE   98.05135H   8161998   WATER   7440.23.5   Sodium   198000   9.251998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   8161998   WATER   7440.23.5   Sodium   198000   9.251998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   8161998   WATER   7440.23.5   Sodium   198000   9.251998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   8161998   WATER   7440.23.5   Sodium   198000   9.251998   30516020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   8161998   WATER   7440.62.2   Vanadium   3.06   B   9.221998   30516020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05135H   8161998   WATER   7440.66.6   Zinc   147   B   9.221998   30516020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136H   8161998   WATER   7440.46.0   Atlanting   75.8   B   9.221998   30516020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136H   8161998   WATER   7440.46.0   Atlanting   75.8   B   9.221998   30516020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136H   8161998   WATER   7440.46.0   Atlanting   75.8   B   9.221998   30516020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS M															
MW (6.25%) (1)   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7439.06.5   Marganese   23.2   9.22/1998   30516020   NA   None   MW (6.25%) (1)   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.0   Nickel   14.4   B   9.22/1998   30516020   NA   None   MW (6.25%) (1)   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.0   NA   None   MW (6.25%) (1)   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.0   NA   None   MW (6.25%) (1)   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   7440.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   TA40.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   TA40.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   TA40.02.2   Soil Porc   ATLAS MILL SITE   98.05135H   Si161998   WATER   TA40.02.2   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.2   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.2   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   Soil Porc   ATLAS MILL SITE   98.05136D   Si161998   WATER   TA40.02.0   S											В				
MW (6.25%) (1)   Soil Pere   ATLAS MILL SITE   98.05135H   \$1/61/998   WATER   7440-02-0   Nickel   14.4   B   9222/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-02-0   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7782-09-2   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7782-09-2   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-22-4   Silver   0.0134   U   9.22/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-22-4   Silver   0.0134   U   9.22/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-23-5   Sodium   198000   9.22/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-23-0   Thallium   0.105   B   922/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-62-2   Vanadium   3.06   B   922/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-62-6   Thallium   3.06   B   922/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05135H   \$2/61/998   WATER   7440-66-6   Zinc   TATAS MILL SITE   98.05136D   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05136D   \$2/61/998   WATER   7440-66-6   Zinc   TATAS MILL SITE   98.05136D   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05136D   \$2/61/998   WATER   7440-38-0   Antimomy   0.203   B   922/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05136D   \$2/61/998   WATER   7440-38-0   Antimomy   0.203   B   922/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05136D   \$2/61/998   WATER   7440-38-0   Antimomy   0.203   B   922/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pere   ATLAS MILL SITE   98.05136D   \$										1					
MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-09-7 Potassium 7680 9/22/1998 30516020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7782-09-2 Selenium 5.38 9/22/1998 30516020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-22-4 Silver 0.0134 U 9/22/1998 30516020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-23-5 Sodium 198000 9/25/1998 30516020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-23-0 Thallium 0.105 B 9/22/1998 30516020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-23-0 Thallium 0.105 B 9/22/1998 30516020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-62-2 Vanadium 3.06 B 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05135H 81/61998 WATER 7440-66-6 Zinc 147 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-66-A Zinc 147 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-36-O Antimony 0.203 B 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-38-2 Arsenic 167 B 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-41-7 Cadmium 0.094 B 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61998 WATER 7440-40-9 Cadmium 0.094 B 9/22/1998 30516020 NA None MW (6.25%) (2) Soil Pore ATLA											D				
MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7782-49-2   Selenium   5.38   9.22/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7440-22-4   Silver   0.0134   U   9.722/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7440-23-5   Sodium   198000   9.725/1998   3051/6020   NA   None   MW (6.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7440-23-5   MW (2.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7440-23-5   MW (2.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7440-22-4   MW (2.25%) (1)   Soil Pore   ATLAS MILL SITE   98.05135H   S16/1998   WATER   7440-66-6   Zinc   147   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136H   S16/1998   WATER   7429-69-5   Aluminum   75.8   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.203   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.203   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.203   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.203   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.203   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.203   B   9.722/1998   3051/6020   NA   None   MW (6.25%) (2)   Soil Pore   ATLAS MILL SITE   98.05136J   S16/1998   WATER   7440-36-0   Antimony   0.2016   U   9.722/1998   3051/6020   NA   Non											ь				
MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61/998 WATER 7440-22-4 Silver 0.0134 U 97221/998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61/998 WATER 7440-22-5 Sodium 198000 9251/998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61/998 WATER 7440-22-6 Thallium 0.105 B 9221/998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81/61/998 WATER 7440-62-2 Vanadium 3.06 B 9221/998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05136H 81/61/998 WATER 7440-66-6 Zine 147 9.221/998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-66-6 Zine 147 9.221/998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-30-0 Antimony 75.8 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-30-0 Antimony 75.8 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-33-2 Arsenic 1.67 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-33-2 Arsenic 1.67 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-33-2 Barium 69.9 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-43-9 Cadmium 0.094 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-43-9 Cadmium 0.094 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-43-9 Cadmium 0.094 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-43-9 Cadmium 0.094 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-43-9 Cadmium 0.094 B 9.221/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81/61/998 WATER 7440-43-9 Cadmium 0.094 B 9.221/1998 3051/6020 NA None															
MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-23-5 Sodium 198000 9.25/1998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-62-2 Vanadium 3.06 B 9.22/1998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-62-2 Vanadium 3.06 B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-66-6 Zinc 147 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7449-90-5 Aluminum 75.8 B B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-39-2 Arsenic 1.67 B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-39-3 Barium 69.9 B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9										U					
MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-25-0 Thallium 0.105 B 9/22/1998 3051/6020 NA None MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-62-2 Vanadium 3.06 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05135H 8/16/1998 WATER 7440-66-6 Zine 147 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-34-3 Barium 69.9 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-2 Calcium 119000 P3/25/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-3 Chromium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-3 Chromium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-45-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-45-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-45-9 Cadmium 0.094 B 9/22/1998 3															
MW (6.25%) (1) Soil Pore ATLAS MILL SITE 98.05135H 81.6/1998 WATER 7440-62-2 Vanadium 3.06 B 9.2/21998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-66-6 Zinc 147 B 9.2/21998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-36-0 Antimony 0.203 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-36-0 Antimony 0.203 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-38-2 Arsenic 1.67 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-31-3 Barium 69.9 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-41-7 Beryllium 0.0216 U 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-9 Cadmium 0.094 B 9.2/21/1998 3051.6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 81.6/1998 WATER 7440-43-0 None MW											В				
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7429-90-5 Aluminum 75.8 B 9 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-36-0 Antimony 0.203 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-38-2 Arsenic 1.67 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-39-3 Barium 69.9 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-3 Calcium 119000 9/25/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-90-8 Iron 191 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-92-1 Lead 0.758 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.2		Soil Pore	ATLAS MILL SITE	98.05135H	8/16/1998	WATER	7440-62-2	Vanadium	3.06		В	9/22/1998	3051/6020	NA	None
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-38-2 Arsenic 1.67 B 92/21/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-38-2 Arsenic 1.67 B 92/21/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-39-3 Barium 69.9 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-41-7 Beryllium 0.0216 U 9/28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-3 Calcium 119000 9/25/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-3 Chromium 0.724 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-47-3 Chromium 0.724 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7449-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-95-4 Magnesium 53300 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-95-4 Magnesium 53300 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-95-5 Magnese 26.5 Magnese								Zinc							
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-38-2 Arsenic 1.67 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-39-3 Barium 69.9 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-9 Cadmium 0.0216 U 9/28/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-9 Cadmium 0.094 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-70-2 Calcium 119000 P 9/25/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-43-3 Chromium 0.724 B B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-99-6 Iron 191 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-99-5 Magnesium 53300 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-99-5 Magnesium 53300 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.								Aluminum							
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-39-3         Barium         69.9         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-41-7         Beryllium         0.0216         U         9/28/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-43-9         Cadmium         0.094         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-70-2         Calcium         119000         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-3         Chromium         0.724         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-3         Chromium         0.724         B				, 0100 1000					0.00						
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-41-7         Beryllium         0.0216         U         9/28/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-43-9         Cadmium         0.094         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-2         Calcium         119000         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-3         Chromium         0.724         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-50-8         Copper         7.75         B	(,(,,														
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-43-9         Cadmium         0.094         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-70-2         Calcium         119000         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-3         Chromium         0.724         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B											В				
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-70-2         Calcium         119000         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-3         Chromium         0.724         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-50-8         Copper         7.75         B         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-99-1         Lead         0.758										U	D .				
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-47-3         Chromium         0.724         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-48-4         Cobalt         0.158         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-50-8         Copper         7.75         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-89-6         Iron         191         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-92-1         Lead         0.758         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-92-1         Lead         0.758         B         9/22									0.07	$\vdash$	В				
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-48-4 Cobalt 0.158 B 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-50-8 Copper 7.75 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-89-6 Iron 191 9.22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-92-1 Lead 0.758 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-95-4 Magnesium 53300 9/25/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7439-95-5 Manganese 26.5 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-0 Nickel 6.95 B 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-09-7 Potassium 7700 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-09-7 Potassium 7700 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-02-4 Silver 0.0134 U 9/22/1998 3051/6020 NA None											D				
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-50-8         Copper         7.75         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-89-6         Iron         191         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-92-1         Lead         0.758         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-95-1         Magnesium         53300         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-96-5         Magnesium         53300         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020<															
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-89-6         Iron         191         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-99-1         Lead         0.758         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-95-4         Magnesium         53300         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-95-5         Manganese         26.5         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><math>\vdash</math></td> <td></td> <td></td> <td></td> <td></td> <td></td>										$\vdash$					
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-92-1         Lead         0.758         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-95-4         Magnesium         53300         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-96-5         Manganese         26.5         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Potassium         7700         9/22/1998         3051/										$\vdash$	-				
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-95-4         Magnesium         53300         9/25/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-96-5         Manganese         26.5         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-09-7         Potassium         7700         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7782-49-2         Selenium         5.51         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-4         Silver         0.0134         U         9/22/1998         3051/6020										$\vdash$	В				
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7439-96-5         Manganese         26.5         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-09-7         Potassium         7700         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7782-49-2         Selenium         5.51         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-4         Silver         0.0134         U         9/22/1998         3051/6020         NA         None										$\vdash$	-				
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-0         Nickel         6.95         B         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-09-7         Potassium         7700         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7782-49-2         Selenium         5.51         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-02-4         Silver         0.0134         U         9/22/1998         3051/6020         NA         None															
MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-09-7         Potassium         7700         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7782-49-2         Selenium         5.51         9/22/1998         3051/6020         NA         None           MW (6.25%) (2)         Soil Pore ATLAS MILL SITE         98.05136J         8/16/1998         WATER         7440-22-4         Silver         0.0134         U         9/22/1998         3051/6020         NA         None											В				
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7782-49-2 Selenium 5.51 9/22/1998 3051/6020 NA None MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-22-4 Silver 0.0134 U 9/22/1998 3051/6020 NA None				, 0100 1000											
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-22-4 Silver 0.0134 U 9/22/1998 3051/6020 NA None															
MW (6.25%) (2) Soil Pore ATLAS MILL SITE 98.05136J 8/16/1998 WATER 7440-23-5 Sodium 196000 9/25/1998 3051/6020 NA None										U					
	MW (6.25%) (2)	Soil Pore	ATLAS MILL SITE	98.05136J	8/16/1998	WATER	7440-23-5	Sodium	196000			9/25/1998	3051/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	0	ualifier	5	Date Analyzed	Method	Texture:	Artifacts:
•		,	•				·	3.0 /	_	2	Q	•			
MW (6.25%) (2)	Soil Pore	ATLAS MILL SITE	98.05136J	8/16/1998	WATER	7440-28-0	Thallium	0.116		В		9/22/1998	3051/6020	NA	None
MW (6.25%) (2) MW (6.25%) (2)	Soil Pore Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05136J 98.05136J	8/16/1998 8/16/1998	WATER WATER	7440-62-2 7440-66-6	Vanadium Zinc	3.15 9.05		B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
MW (6.25%) (2) MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05136J 98.05137K	8/16/1998	WATER	7429-90-5	Aluminum	61.3		В		9/24/1998	3051/6020	NA NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-36-0	Antimony	0.204		В		9/24/1998	3051/6020	NA NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-38-2	Arsenic	1.66		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-39-3	Barium	70.9		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-41-7	Beryllium	0.0216	U			9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-43-9	Cadmium	0.059		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-70-2	Calcium	125000				9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-47-3	Chromium	0.702		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-48-4	Cobalt	0.185		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3) MW (6.25%) (3)	Soil Pore Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05137K 98.05137K	8/16/1998 8/16/1998	WATER WATER	7440-50-8 7439-89-6	Copper Iron	7.94 181		В		9/24/1998 9/24/1998	3051/6020 3051/6020	NA NA	None None
MW (6.25%) (3) MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7439-89-6	Lead	0.781		В		9/24/1998	3051/6020	NA NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7439-95-4	Magnesium	49100		ь		9/24/1998	3051/6020	NA NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7439-96-5	Manganese	8.42		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-02-0	Nickel	14.3		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-09-7	Potassium	7380				9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7782-49-2	Selenium	5.28				9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-22-4	Silver	0.0134	U			9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-23-5	Sodium	177000				9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-28-0	Thallium	0.0628	U			9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-62-2	Vanadium	3		В		9/24/1998	3051/6020	NA	None
MW (6.25%) (3)	Soil Pore	ATLAS MILL SITE	98.05137K	8/16/1998	WATER	7440-66-6	Zinc	16.9		В		9/24/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7429-90-5	Aluminum	125		В		9/22/1998	3051/6020	NA	None
MW1 MW1	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05131D 98.05131D	8/14/1998 8/14/1998	WATER WATER	7440-36-0 7440-38-2	Antimony	0.176 1.87		B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
MW1 MW1	NS NS	ATLAS MILL SITE	98.05131D 98.05131D	8/14/1998	WATER	7440-38-2	Arsenic Barium	71		В		9/22/1998	3051/6020	NA NA	None
MW1	NS NS	ATLAS MILL SITE	98.05131D 98.05131D	8/14/1998	WATER	7440-39-3	Beryllium	0.0216	U	ь		9/28/1998	3051/6020	NA NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-43-9	Cadmium	0.0210	U	В		9/22/1998	3051/6020	NA NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-70-2	Calcium	102000		- 2		9/25/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-47-3	Chromium	0.7		В		9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-48-4	Cobalt	0.16		В		9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-50-8	Copper	5.37		В		9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7439-89-6	Iron	192				9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7439-92-1	Lead	0.626		В		9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7439-95-4	Magnesium	36400				9/25/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7439-96-5	Manganese	25.4				9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-02-0	Nickel	12.8		В		9/22/1998	3051/6020	NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-09-7	Potassium	5360	-			9/22/1998	3051/6020	NA NA	None
MW1 MW1	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05131D 98.05131D	8/14/1998 8/14/1998	WATER WATER	7782-49-2 7440-22-4	Selenium Silver	5.4 0.0134	U	+		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
MW1 MW1	NS NS	ATLAS MILL SITE	98.05131D 98.05131D	8/14/1998	WATER	7440-22-4	Sodium	123000	U	-		9/22/1998	3051/6020	NA NA	None
MW1	NS	ATLAS MILL SITE	98.05131D 98.05131D	8/14/1998	WATER	7440-23-3	Thallium	0.109	1	В		9/22/1998	3051/6020	NA NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-62-2	Vanadium	6.62		В		9/22/1998	3051/6020	NA NA	None
MW1	NS	ATLAS MILL SITE	98.05131D	8/14/1998	WATER	7440-66-6	Zinc	74.1				9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7429-90-5	Aluminum	212				9/25/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-36-0	Antimony	0.186		В		9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-38-2	Arsenic	1.96		В		9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-39-3	Barium	69.3		В		9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-41-7	Beryllium	0.043		В		9/28/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-43-9	Cadmium	0.086		В		9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-70-2	Calcium	113000		D		9/25/1998	3051/6020	NA	None
MW2 MW2	NS NS	ATLAS MILL SITE	98.05129K 98.05129K	8/14/1998 8/14/1998	WATER WATER	7440-47-3 7440-48-4	Chromium	0.825 0.231		В		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None
MW2 MW2	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05129K 98.05129K	8/14/1998 8/14/1998	WATER	7440-48-4	Cobalt	0.231 5.84		B B		9/22/1998	3051/6020	NA NA	None None
MW2 MW2	NS NS	ATLAS MILL SITE	98.05129K 98.05129K	8/14/1998	WATER	7439-89-6	Copper Iron	313		В		9/22/1998	3051/6020	NA NA	None None
MW2	NS NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7439-89-6	Lead	0.784	<del>                                     </del>	В		9/22/1998	3051/6020	NA NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7439-95-4	Magnesium	40100	1	ь		9/25/1998	3051/6020	NA NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7439-96-5	Manganese	44.2				9/22/1998	3051/6020	NA NA	None
		IO MILL DITE	70.0012711	0,11,1770	**********	7.57.70.5		11.2	<u> </u>			7,22,1770	3031,0020		1,0110

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

															1
Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	0	ualifier	s	Date Analyzed	Method	Texture:	Artifacts:
•		,	•				·	3.0 /	_	7	Q	·			
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-02-0 7440-09-7	Nickel	9.51		В		9/22/1998	3051/6020	NA	None
MW2 MW2	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05129K 98.05129K	8/14/1998 8/14/1998	WATER WATER	7782-49-2	Potassium Selenium	5470 5.71				9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-23-5	Sodium	135000	U			9/25/1998	3051/6020	NA NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-28-0	Thallium	0.132		В		9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-62-2	Vanadium	5.78		В		9/22/1998	3051/6020	NA	None
MW2	NS	ATLAS MILL SITE	98.05129K	8/14/1998	WATER	7440-66-6	Zinc	6.11		В		9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7429-90-5	Aluminum	15.8	U			9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-36-0	Antimony	1.94		В		9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-38-2	Arsenic	1.05		В		9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-39-3	Barium	27.2	**	В		9/22/1998	3051/6020	NA	None
D2 D2	Soil Pore Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05134G 98.05134G	8/14/1998 8/14/1998	WATER WATER	7440-41-7 7440-43-9	Beryllium Cadmium	0.0216 0.37	U	В		9/28/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
D2 D2	Soil Pore	ATLAS MILL SITE	98.05134G 98.05134G	8/14/1998	WATER	7440-43-9	Cadmium	482000		ь		9/22/1998	3051/6020	NA NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-47-3	Chromium	4.28		В		9/22/1998	3051/6020	NA NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-48-4	Cobalt	2.07		В		9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-50-8	Copper	286		В		9/25/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7439-89-6	Iron	348				9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7439-92-1	Lead	1.42		В		9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7439-95-4	Magnesium	732000				9/25/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7439-96-5	Manganese	1630				9/25/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-02-0	Nickel	41.8				9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-09-7	Potassium	127000				9/25/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7782-49-2	Selenium	1.53		В		9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	98.05134G	8/14/1998	WATER	7440-23-5	Sodium	3480000		_		9/28/1998	3051/6020	NA	None
D2 D2	Soil Pore Soil Pore	ATLAS MILL SITE	98.05134G 98.05134G	8/14/1998 8/14/1998	WATER WATER	7440-28-0 7440-62-2	Thallium	0.613 5.99		B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None
D2 D2	Soil Pore	ATLAS MILL SITE ATLAS MILL SITE	98.05134G 98.05134G	8/14/1998	WATER	7440-62-2	Vanadium Zinc	70.6		В		9/22/1998	3051/6020	NA NA	None None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7429-90-5	Aluminum	182		В		9/22/1998	3051/6020	NA NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-36-0	Antimony	0.178		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-38-2	Arsenic	1.63		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-39-3	Barium	68.6		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-41-7	Beryllium	0.031		В		9/28/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-43-9	Cadmium	0.073		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-70-2	Calcium	117		В		9/25/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-47-3	Chromium	0.606		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-48-4	Cobalt	0.196		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-50-8	Copper	6.49		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7439-89-6	Iron	229		D		9/22/1998	3051/6020	NA	None
D2 D2	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05127H 98.05127H	8/14/1998 8/14/1998	WATER WATER	7439-92-1 7439-95-4	Lead	0.591 45200	-	В		9/22/1998 9/25/1998	3051/6020 3051/6020	NA NA	None None
D2 D2	NS NS	ATLAS MILL SITE	98.05127H 98.05127H	8/14/1998 8/14/1998	WATER	7439-95-4	Magnesium Manganese	45200 52.8		-		9/25/1998	3051/6020	NA NA	None
D2	NS NS	ATLAS MILL SITE	98.05127H 98.05127H	8/14/1998	WATER	7440-02-0	Nickel	8.57		В		9/22/1998	3051/6020	NA NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-02-0	Potassium	6740		ь		9/22/1998	3051/6020	NA NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7782-49-2	Selenium	4.93		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-23-5	Sodium	165000				9/25/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-28-0	Thallium	0.123		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-62-2	Vanadium	3.55		В		9/22/1998	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	98.05127H	8/14/1998	WATER	7440-66-6	Zinc	7.77		В		9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7429-90-5	Aluminum	146		В		9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-36-0	Antimony	0.182		В		9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-38-2	Arsenic	1.6		В		9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-39-3	Barium	69.1		В		9/22/1998	3051/6020	NA	None
D4 D4	NS NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-41-7 7440-43-9	Beryllium	0.0216 0.049	U	D		9/28/1998 9/22/1998	3051/6020	NA NA	None
D4 D4		ATLAS MILL SITE	98.05128J	8/14/1998 8/14/1998	WATER	7440-43-9	Cadmium	0.049 112000		В		9/22/1998	3051/6020 3051/6020		None
D4 D4	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05128J 98.05128J	8/14/1998 8/14/1998	WATER WATER	7440-70-2	Calcium Chromium	0.56		В		9/25/1998	3051/6020 3051/6020	NA NA	None None
D4	NS NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-47-3	Cobalt	0.36		В		9/22/1998	3051/6020	NA NA	None
1/4	140	ATLAS WILL SITE	70.031203	0/14/1770	WAIDA	/440-46-4	Cooan	0.132	<u> </u>	ъ		2122/1220	3031/0020	INA.	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

CII 46 LID	64 4	D : (N	NADEL C. 1. "	D ( C II ( I	35	CASN 1		C				B	M (1 )	TE 4	4 4:5
Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	Q	ualifie	rs O	Date Analyzed	Method	Texture:	Artifacts:
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-50-8	Copper	4.9		В	Ų	9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7439-89-6	Iron	213				9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7439-92-1	Lead	0.477		В		9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7439-95-4	Magnesium	37100				9/25/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7439-96-5	Manganese	24.1				9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-02-0	Nickel	8.59		В		9/22/1998	3051/6020	NA	None
D4 D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-09-7	Potassium	5360		D.		9/22/1998	3051/6020	NA	None
D4 D4	NS NS	ATLAS MILL SITE ATLAS MILL SITE	98.05128J 98.05128J	8/14/1998 8/14/1998	WATER WATER	7782-49-2 7440-22-4	Selenium	4.9 0.0134	11	В		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None
D4	NS NS	ATLAS MILL SITE	98.05128J 98.05128J	8/14/1998	WATER	7440-22-4	Silver Sodium	123000	U			9/22/1998	3051/6020	NA NA	None None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-23-3	Thallium	0.108		В		9/22/1998	3051/6020	NA NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-62-2	Vanadium	2.83		В		9/22/1998	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	98.05128J	8/14/1998	WATER	7440-66-6	Zinc	24.8				9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7429-90-5	Aluminum	15.8	U			9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-36-0	Antimony	0.043		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-38-2	Arsenic	0.267		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-39-3	Barium	62.8		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-41-7	Beryllium	0.03		В		9/28/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-43-9	Cadmium	0.063		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-70-2	Calcium	81900				9/25/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-47-3	Chromium	0.595		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-48-4	Cobalt	0.105		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-50-8	Copper	1.92		В		9/22/1998	3051/6020	NA	None
CERC WELL (1) CERC WELL (1)		ATLAS MILL SITE ATLAS MILL SITE	98.04175M 98.04175M	7/7/1998 7/7/1998	WATER WATER	7439-89-6 7439-92-1	Iron Lead	176 0.661		В		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
CERC WELL (1)		ATLAS MILL SITE	98.04175M 98.04175M	7/7/1998	WATER	7439-92-1	Magnesium	24800		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7439-96-5	Manganese	14.4		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-02-0	Nickel	9.87		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-02-0	Potassium	2730		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7782-49-2	Selenium	0.205	U	ь		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-23-5	Sodium	25300				9/25/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-28-0	Thallium	0.121		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-62-2	Vanadium	0.478		В		9/22/1998	3051/6020	NA	None
CERC WELL (1)		ATLAS MILL SITE	98.04175M	7/7/1998	WATER	7440-66-6	Zinc	8.13		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7429-90-5	Aluminum	16.6		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-36-0	Antimony	0.063		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-38-2	Arsenic	0.361		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-39-3	Barium	66.9		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-41-7	Beryllium	0.0216	U			9/28/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-43-9	Cadmium	0.043		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-70-2	Calcium	82300		D.		9/25/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-47-3	Chromium	0.668		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (2)		ATLAS MILL SITE ATLAS MILL SITE	98.04177P 98.04177P	7/7/1998 7/7/1998	WATER WATER	7440-48-4 7440-50-8	Cobalt	0.098 1.82		B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
CERC WELL (2)		ATLAS MILL SITE	98.04177P 98.04177P	7/7/1998	WATER	7439-89-6	Copper Iron	1.82		В		9/22/1998	3051/6020	NA NA	None None
CERC WELL (2)		ATLAS MILL SITE	98.04177P 98.04177P	7/7/1998	WATER	7439-92-1	Lead	0.646		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7439-92-1	Magnesium	24800		ы		9/25/1998	3051/6020	NA NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7439-96-5	Manganese	14.7		В		9/22/1998	3051/6020	NA NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-02-0	Nickel	10.8		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-09-7	Potassium	2850		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7782-49-2	Selenium	0.205	U			9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-23-5	Sodium	25800				9/25/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-28-0	Thallium	0.121		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-62-2	Vanadium	0.664		В		9/22/1998	3051/6020	NA	None
CERC WELL (2)		ATLAS MILL SITE	98.04177P	7/7/1998	WATER	7440-66-6	Zinc	8.43		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7429-90-5	Aluminum	32.3		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7429-90-5	Aluminum	15.8	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7429-90-5	Aluminum	15.8	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-36-0	Antimony	0.033		В		9/22/1998	3051/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

		1				I									
Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	0	ualifie	**	Date Analyzed	Method	Texture:	Artifacts:
Circut Sample 1D:	Strata	r roject ivanic.	Witten Sample #.	Date Concettu.	Matrix	CAS IVIIIDEI	Maryte	Concentiation (µg/L)		C	Q	Date Manyzeu	Witting	rexture.	Ai tilacts.
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-36-0	Antimony	0.0291	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-36-0	Antimony	0.0291	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-38-2	Arsenic	0.33		В		9/22/1998	3051/6020	NA	None
Method Blank Method Blank	NA NA	ATLAS MILL SITE ATLAS MILL SITE	RBLK092198 RBLK092198	NA NA	WATER WATER	7440-38-2 7440-38-2	Arsenic	0.176 0.204		B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198 RBLK082898	NA NA	WATER	7440-38-2	Arsenic Barium	0.645		В		9/22/1998	3051/6020	NA NA	None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7440-39-3	Barium	0.153	U	ь		9/22/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-39-3	Barium	0.153	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-41-7	Beryllium	0.0216	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-41-7	Beryllium	0.0216	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-41-7	Beryllium	0.0216	U			9/24/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-43-9	Cadmium	0.045		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-43-9	Cadmium	0.0285	U			9/22/1998	3051/6020	NA	None
Method Blank Method Blank	NA NA	ATLAS MILL SITE ATLAS MILL SITE	RBLK092198 RBLK082898	NA NA	WATER WATER	7440-43-9 7440-70-2	Cadmium Calcium	0.0285 57.1	U			9/22/1998 9/24/1998	3051/6020 3051/6020	NA NA	None None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7440-70-2	Calcium	57.1	U			9/24/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7440-70-2	Calcium	57.1	U			9/24/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA NA	WATER	7440-47-3	Chromium	0.631		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-47-3	Chromium	0.081		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-47-3	Chromium	0.179		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-48-4	Cobalt	0.054		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-48-4	Cobalt	0.032	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-48-4	Cobalt	0.032	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-50-8	Copper	4.37		В		9/22/1998	3051/6020	NA	None
Method Blank Method Blank	NA NA	ATLAS MILL SITE ATLAS MILL SITE	RBLK092198 RBLK092198	NA NA	WATER WATER	7440-50-8 7440-50-8	Copper	0.804 0.722	U	В		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198 RBLK082898	NA NA	WATER	7439-89-6	Copper Iron	60.1	U	В		9/22/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7439-89-6	Iron	43.6	U	ь		9/22/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7439-89-6	Iron	43.6	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7439-92-1	Lead	0.768		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7439-92-1	Lead	0.522		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7439-92-1	Lead	0.506		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7439-95-4	Magnesium	22.2		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7439-95-4	Magnesium	16	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7439-95-4	Magnesium	16 0.62	U			9/22/1998 9/22/1998	3051/6020	NA NA	None
Method Blank Method Blank	NA NA	ATLAS MILL SITE ATLAS MILL SITE	RBLK082898 RBLK092198	NA NA	WATER WATER	7439-96-5 7439-96-5	Manganese Manganese	0.62	U			9/22/1998	3051/6020 3051/6020	NA NA	None None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7439-96-5	Manganese	0.62	U			9/22/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198 RBLK082898	NA NA	WATER	7440-02-0	Nickel	0.754	U			9/22/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-02-0	Nickel	0.754	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-02-0	Nickel	1.2		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-09-7	Potassium	75.5		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-09-7	Potassium	29	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-09-7	Potassium	29	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7782-49-2	Selenium	2.47		В		9/22/1998	3051/6020	NA	None
Method Blank	NA NA	ATLAS MILL SITE ATLAS MILL SITE	RBLK092198 RBLK092198	NA NA	WATER WATER	7782-49-2 7782-49-2	Selenium	0.849 0.969	-	B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None
Method Blank Method Blank	NA NA	ATLAS MILL SITE	RBLK092198 RBLK082898	NA NA	WATER	7/82-49-2	Selenium Silver	0.969	U	В		9/22/1998	3051/6020 3051/6020	NA NA	None None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA NA	None
Method Blank	NA NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA NA	WATER	7440-23-5	Sodium	250		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-23-5	Sodium	56.8	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-23-5	Sodium	56.8	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-28-0	Thallium	0.979		В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-28-0	Thallium	0.0628	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-28-0	Thallium	0.0628	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK082898	NA	WATER	7440-62-2	Vanadium	0.584	L	В		9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-62-2	Vanadium	0.0433	U			9/22/1998	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA NA	WATER	7440-62-2	Vanadium	0.049	-	В		9/22/1998	3051/6020	NA NA	None
Method Blank Method Blank	NA NA	ATLAS MILL SITE ATLAS MILL SITE	RBLK082898 RBLK092198	NA NA	WATER WATER	7440-66-6 7440-66-6	Zinc Zinc	2.41	-	B		9/22/1998 9/22/1998	3051/6020 3051/6020	NA NA	None None
Method Blank	NA	ATLAS MILL SHE	KBLK092198	INA	WAIEK	/440-00-0	Zinc	10.3		Б		9/22/1998	3031/6020	NA	None

Appendix 4. Dissolved metals data in water from field sampling, August 1998.

Client Sample ID:	Strata	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	Q	ualifie	rs	Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
Method Blank	NA	ATLAS MILL SITE	RBLK092198	NA	WATER	7440-66-6	Zinc	4.48		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7429-90-5	Aluminum	15.8	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7429-90-5	Aluminum	15.8	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-36-0	Antimony	0.0291	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-36-0	Antimony	0.0291	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-38-2	Arsenic	0.044	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-38-2	Arsenic	0.244		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-39-3	Barium	0.153	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-39-3	Barium	0.153	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-41-7	Beryllium	0.0216	U			9/28/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-41-7	Beryllium	0.0216	U			9/28/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-43-9	Cadmium	0.0285	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-43-9	Cadmium	0.0285	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-70-2	Calcium	57.1	U			9/25/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-70-2	Calcium	57.1	U			9/25/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-47-3	Chromium	0.227		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-47-3	Chromium	0.308		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-48-4	Cobalt	0.032	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-48-4	Cobalt	0.032	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-50-8	Copper	0.722	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-50-8	Copper	0.722	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7439-89-6	Iron	43.6	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7439-89-6	Iron	43.6	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7439-92-1	Lead	0.084		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7439-92-1	Lead	0.16		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7439-95-4	Magnesium	20.1		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7439-95-4	Magnesium	19.4		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7439-96-5	Manganese	0.62	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7439-96-5	Manganese	0.62	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-02-0	Nickel	5.63		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-02-0	Nickel	4.76		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-09-7	Potassium	29	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-09-7	Potassium	29	Ü			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7782-49-2	Selenium	0.205	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7782-49-2	Selenium	1.16		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-22-4	Silver	0.0134	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-23-5	Sodium	56.8	Ü			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-23-5	Sodium	56.8	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-28-0	Thallium	0.0628	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-28-0	Thallium	0.0628	U			9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-62-2	Vanadium	0.073	Ť	В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-62-2	Vanadium	0.056	<del>                                     </del>	В		9/22/1998	3051/6020	NA NA	None
RO Blank	NA	ATLAS MILL SITE	98.05125F	8/14/1998	WATER	7440-66-6	Zinc	1.71		В		9/22/1998	3051/6020	NA	None
RO Blank	NA	ATLAS MILL SITE	98.05126G	8/14/1998	WATER	7440-66-6	Zinc	2.47	<del>                                     </del>	В		9/22/1998	3051/6020	NA NA	None

Appendix 5. Gross alpha and beta radiation in water from field sampling, August 1998.

	l	l			Ī			Ī			Ī	1		1	ı	
	Lateral Distance															
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	OA	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
CHW	( )	WATER	98 05124E	8/14/1998 0:00	8/14/1998 0:00	00382331P	Ų	ALPBET	5.00	ML	Alpha	7.43	26.40	52.90	PCI/L	12/9/1998
CHW		WATER	98.05124E	8/14/1998 0:00	8/14/1998 0:00	00382331P		ALPBET	5.00	ML	Beta	-4 54	40.10	72.80	PCI/L	12/9/1998
RO Blank 1		WATER	98.05125F	8/14/1998 0:00	8/14/1998 0:00	00382332O		ALPBET	5.00	ML	Alpha	15.80	29.70	53.30	PCI/L	12/9/1998
RO Blank 1		WATER	98.05125F	8/14/1998 0:00	8/14/1998 0:00	00382332O		ALPBET	5.00	ML	Beta	-4.77	37.50	68.50	PCI/L	12/9/1998
RO Blank 2		WATER	98.05126G	8/14/1998 0:00	8/14/1998 0:00	00378705W		ALPBET	5.00	ML	Alpha	-12.90	15.90	48.00	PCI/L	11/20/1998
RO Blank 2		WATER	98.05126G	8/14/1998 0:00	8/14/1998 0:00	00378705W		ALPBET	5.00	ML	Beta	-4.33	38.30	70.10	PCI/L	11/20/1998
D2	NS	WATER	98.05127H	8/14/1998 0:00	8/14/1998 0:00	00378731Y		ALPBET	5.00	ML	Alpha	54.40	42.40	59.20	PCI/L	11/20/1998
D2	NS	WATER	98.05127H	8/14/1998 0:00	8/14/1998 0:00	00378731Y		ALPBET	5.00	ML	Beta	12.40	43.10	75.10	PCI/L	11/20/1998
D4	NS	WATER	98.05128J	8/14/1998 0:00	8/14/1998 0:00	00378757J		ALPBET	5.00	ML	Alpha	21.20	31.00	53.20	PCI/L	11/20/1998
D4	NS	WATER	98.05128J	8/14/1998 0:00	8/14/1998 0:00	00378757J		ALPBET	5.00	ML	Beta	-15.40	38.80	72.50	PCI/L	11/20/1998
MW 2	NS	WATER	98.05129K	8/14/1998 0:00	8/14/1998 0:00	00378783L		ALPBET	5.00	ML	Alpha	34.50	36.00	56.30	PCI/L	11/20/1998
MW 2	NS	WATER	98.05129K	8/14/1998 0:00	8/14/1998 0:00	00378783L		ALPBET	5.00	ML	Beta	27.60	42.10	70.90	PCI/L	11/20/1998
HWY 191	NS	WATER	98.05130C	8/14/1998 0:00	8/14/1998 0:00	00378809D		ALPBET	5.00	ML	Alpha	6.79	24.10	48.40	PCI/L	11/20/1998
HWY 191	NS	WATER	98.05130C	8/14/1998 0:00	8/14/1998 0:00	00378809D		ALPBET	5.00	ML	Beta	-16.50	36.40	68.70	PCI/L	11/20/1998
MW 1	NS	WATER	98.05131D	8/14/1998 0:00	8/14/1998 0:00	00378835F		ALPBET	5.00	ML	Alpha	39.00	32.60	44.90	PCI/L	11/20/1998
MW 1	NS	WATER	98.05131D	8/14/1998 0:00	8/14/1998 0:00	00378835F		ALPBET	5.00	ML	Beta	26.10	40.30	67.80	PCI/L	11/20/1998
CHW	Back Wash	WATER	98.05132E	8/14/1998 0:00	8/14/1998 0:00	00378861H		ALPBET	5.00	ML	Alpha	-5.78	20.70	50.80	PCI/L	11/20/1998
CHW	Back Wash	WATER	98.05132E	8/14/1998 0:00	8/14/1998 0:00	00378861H		ALPBET	5.00	ML	Beta	39.80	39.90	64.90	PCI/L	11/20/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998 0:00	8/14/1998 0:00	00378887U		ALPBET	5.00	ML	Alpha	905.00	167.00	90.50	PCI/L	11/19/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998 0:00	8/14/1998 0:00	00378887U		ALPBET	5.00	ML	Beta	601.00	86.60	89.00	PCI/L	11/19/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998 0:00	8/14/1998 0:00	00378913C		ALPBET	5.00	ML	Alpha	1700.00	306.00	140.00	PCI/L	11/19/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998 0:00	8/14/1998 0:00	00378913C		ALPBET	5.00	ML	Beta	1160.00	117.00	102.00	PCI/L	11/19/1998
MW 6.25%	Soil Pore	WATER	98.05135H	8/16/1998 0:00	8/16/1998 0:00	00382333R		ALPBET	5.00	ML	Alpha	78.60	41.50	42.40	PCI/L	12/9/1998
MW 6.25%	Soil Pore	WATER	98.05135H	8/16/1998 0:00	8/16/1998 0:00	00382333R		ALPBET	5.00	ML	Beta	1.92	38.50	68.90	PCI/L	12/9/1998
MW 6.25% dup	Soil Pore	WATER	98.05136J	8/16/1998 0:00	8/16/1998 0:00	00382334T		ALPBET	5.00	ML	Alpha	67.00	42.60	52.00	PCI/L	12/9/1998
MW 6.25% dup	Soil Pore	WATER	98.05136J	8/16/1998 0:00	8/16/1998 0:00	00382334T		ALPBET	5.00	ML	Beta	6.30	41.20	72.90	PCI/L	12/9/1998
MW 6.25% trip	Soil Pore	WATER	98.05137K	8/16/1998 0:00	8/16/1998 0:00	00382335U		ALPBET	5.00	ML	Alpha	50.40	36.60	47.00	PCI/L	12/9/1998
MW 6.25% trip	Soil Pore	WATER	98.05137K	8/16/1998 0:00	8/16/1998 0:00	00382335U		ALPBET	5.00	ML	Beta	21.10	41.40	70.70	PCI/L	12/9/1998
E10	Soil Pore	WATER	98.05138L	8/17/1998 0:00	8/17/1998 0:00	00382336V		ALPBET	5.00	ML	Alpha	-3.68	33.50	70.50	PCI/L	12/9/1998
E10	Soil Pore	WATER	98.05138L	8/17/1998 0:00	8/17/1998 0:00	00382336V		ALPBET	5.00	ML	Beta	28.80	41.90	70.30	PCI/L	12/9/1998
E10	NS	WATER	98.05139M	8/17/1998 0:00	8/17/1998 0:00	00382338X		ALPBET	5.00	ML	Alpha	5.56	21.70	44.80	PCI/L	12/9/1998
E10	NS	WATER	98.05139M	8/17/1998 0:00	8/17/1998 0:00	00382338X		ALPBET	5.00	ML	Beta	-27.40	33.60	66.00	PCI/L	12/9/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998 0:00	8/17/1998 0:00	00382340Q		ALPBET	5.00	ML	Alpha	-4.68	18.10	46.00	PCI/L	12/9/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998 0:00	8/17/1998 0:00	00382340Q		ALPBET	5.00	ML	Beta	34.90	37.50	61.50	PCI/L	12/9/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998 0:00	8/17/1998 0:00	00382341R	DUP	ALPBET	5.00	ML	Alpha	-11.80	4.64	39.00	PCI/L	12/9/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998 0:00	8/17/1998 0:00	00382341R	DUP	ALPBET	5.00	ML	Beta	-5.63	38.20	70.20	PCI/L	12/9/1998
Island	NS	WATER	98.05141F	8/17/1998 0:00	8/17/1998 0:00	00382342T		ALPBET	5.00	ML	Alpha	8.37	23.60	46.80	PCI/L	12/9/1998
Island	NS	WATER	98.05141F	8/17/1998 0:00	8/17/1998 0:00	00382342T		ALPBET	5.00	ML	Beta	-20.30	35.60	68.30	PCI/L	12/9/1998
E4		WATER	98.05142G	8/17/1998 0:00	8/17/1998 0:00	00382344V		ALPBET	5.00	ML	Alpha	-2.18	15.90	41.20	PCI/L	12/9/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998 0:00	8/17/1998 0:00	00382344V		ALPBET	5.00	ML	Beta	7.52	37.40	66.20	PCI/L	12/9/1998
E4	NS	WATER	98.05143H	8/17/1998 0:00	8/17/1998 0:00	00382346X		ALPBET	5.00	ML	Alpha	-19.10	11.40	50.20	PCI/L	12/9/1998
E4	NS	WATER	98.05143H	8/17/1998 0:00	8/17/1998 0:00	00382346X		ALPBET	5.00	ML	Beta	18.50	40.70	70.60	PCI/L	12/9/1998

**Appendix 6.** Gamma radiations concentrations in water from field sampling, August 1998.

					1		1								l	
	Lateral															
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	OC	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1 00	I.	Ba140			416.00	PCI/L	8/14/1998
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1.00	L	Co60		İ	8.51	PCI/L	8/14/1998
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1.00	L	Cs137			7.52	PCI/L	8/14/1998
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1.00	L	I131			631.00	PCI/L	8/14/1998
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1.00	L	K40			95.30	PCI/L	8/14/1998
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1.00	L	Ra226			99.30	PCI/L	8/14/1998
CHW	Soil Pore	WATER	98.05124E	8/14/1998	8/14/1998	00378653B		GAMMA	1.00	L	Ra228			26.00	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	Ba140			379.00	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	Co60			9.51	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	Cs137			7.23	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	I131			553.00	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	K40			97.70	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	Ra226			99.60	PCI/L	8/14/1998
RO BLANK 1		WATER	98.05125F	8/14/1998	8/14/1998	00378680E		GAMMA	1.00	L	Ra228			26.80	PCI/L	8/14/1998
RO BLANK 2		WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	Ba140			370.00	PCI/L	8/14/1998
RO BLANK 2		WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	Co60			9.10	PCI/L	8/14/1998
RO BLANK 2		WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	Cs137			6.65	PCI/L	8/14/1998
RO BLANK 2		WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	I131			502.00	PCI/L	8/14/1998
RO BLANK 2		WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	K40			68.50	PCI/L	8/14/1998
RO BLANK 2		WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	Ra226			111.00	PCI/L	8/14/1998
RO BLANK 2	NG	WATER	98.05126G	8/14/1998	8/14/1998	00378706X		GAMMA	1.00	L	Ra228			25.20	PCI/L	8/14/1998
D2	NS	WATER	98.05127H	8/14/1998	8/14/1998	00378732Z		GAMMA	1.00	L	Ba140			302.00	PCI/L	8/14/1998
D2 D2	NS NS	WATER WATER	98.05127H 98.05127H	8/14/1998 8/14/1998	8/14/1998 8/14/1998	00378732Z		GAMMA	1.00	L	Co60			5.84 4.94	PCI/L	8/14/1998
D2 D2	NS NS	WATER	98.05127H 98.05127H	8/14/1998	8/14/1998 8/14/1998	00378732Z 00378732Z		GAMMA GAMMA	1.00	L L	Cs137 I131			4.94	PCI/L PCI/L	8/14/1998 8/14/1998
D2	NS NS	WATER	98.05127H	8/14/1998	8/14/1998	00378732Z 00378732Z	+	GAMMA	1.00	I.	K40			62.30	PCI/L	8/14/1998
D2	NS NS	WATER	98.05127H	8/14/1998	8/14/1998	00378732Z 00378732Z		GAMMA	1.00	I I	Ra226		1	99 10	PCI/L	8/14/1998
D2	NS	WATER	98.05127H	8/14/1998	8/14/1998	00378732Z		GAMMA	1.00	L	Ra228			17.30	PCI/L	8/14/1998
D2	NS	WATER	98.05127H	8/14/1998	8/14/1998	00378732Z		GAMMA	1.00	I.	T1208	2.60	3.42	17.50	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	Ba140	2.00	3.12	307.00	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	Co60			6.65	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	Cs137		İ	5.70	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	I131			456.00	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	K40			53.70	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	Ra226			102.00	PCI/L	8/14/1998
D4	NS	WATER	98.05128J	8/14/1998	8/14/1998	00378758K		GAMMA	1.00	L	Ra228			15.60	PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	Ba140			352.00	PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	Co60			7.25	PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	Cs137			6.47	PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	I131			529.00	PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	K40	26.50	52.60		PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	Ra226			115.00	PCI/L	8/14/1998
MW (2)	NS	WATER	98.05129K	8/14/1998	8/14/1998	00378784M		GAMMA	1.00	L	Ra228			19.70	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	Ba140			299.00	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	Co60			5.36	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	Cs137		1	4.72	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	I131		1	384.00	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	K40			48.90	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	Ra226			83.40	PCI/L	8/14/1998
HWY 191	NS	WATER	98.05130C	8/14/1998	8/14/1998	00378810W		GAMMA	1.00	L	Ra228			16.80	PCI/L	8/14/1998
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G		GAMMA	1.00	L	Ba140			283.00	PCI/L	8/14/1998

**Appendix 6.** Gamma radiations concentrations in water from field sampling, August 1998.

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Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G	QC	GAMMA	1.00	L	Co60	Conc.	2 050	5.47	PCI/L	8/14/1998
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G		GAMMA	1.00	I.	Cs137			4.97	PCI/L	8/14/1998
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G		GAMMA	1.00	L	I131			404.00	PCI/L	8/14/1998
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G		GAMMA	1.00	I	K40			60.50	PCI/L	8/14/1998
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G		GAMMA	1.00	L	Ra226			78.80	PCI/L	8/14/1998
MW (1)	NS	WATER	98.05131D	8/14/1998	8/14/1998	00378836G		GAMMA	1.00	L	Ra228			17.90	PCI/L	8/14/1998
CHW	NS	WATER	98.05131E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	L	Ba140			220.00	PCI/L	8/14/1998
CHW	NS	WATER	98.05132E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	L	Co60			4.22	PCI/L	8/14/1998
CHW	NS	WATER	98.05132E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	L	Cs137			3.50	PCI/L	8/14/1998
CHW	NS	WATER	98.05132E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	I.	I131			323.00	PCI/L	8/14/1998
CHW	NS	WATER	98.05132E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	I.	K40			40 60	PCI/L	8/14/1998
CHW	NS	WATER	98.05132E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	I.	Ra226			62.70	PCI/L	8/14/1998
CHW	NS	WATER	98.05132E	8/14/1998	8/14/1998	00378862J		GAMMA	1.00	L	Ra228			12.60	PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Ba140			317.00	PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Co60			5.03	PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Cs137			6.00	PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	I131			438.00	PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	K40	59.40	45.60		PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Ra226	379.00	94.50		PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Ra228			17.40	PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Th234	145.00	80.80		PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	Tl208	2.41	4.04		PCI/L	8/14/1998
MW	Soil Pore	WATER	98.05133F	8/14/1998	8/14/1998	00378888V		GAMMA	1.00	L	U235	23.40	5.59		PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Ba140			606.00	PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Co60			8.44	PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Cs137			6.76	PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	I131			1140.00	PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	K40	96.30	56.10		PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Pa234m	486.00	383.00		PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Pb212	4.69	7.39		PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Ra226			115.00	PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Ra228			22.30	PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	Th234	421.00	46.50		PCI/L	8/14/1998
D2	Soil Pore	WATER	98.05134G	8/14/1998	8/14/1998	00380133B		GAMMA	1.00	L	U235	47.30	6.33		PCI/L	8/14/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	Ba140			316.00	PCI/L	8/16/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	Co60			6.17	PCI/L	8/16/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	Cs137			5.59	PCI/L	8/16/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	I131			438.00	PCI/L	8/16/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	K40	30.60	40.40		PCI/L	8/16/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	Ra226	49.60	76.20		PCI/L	8/16/1998
MW (6.25%)	Soil Pore	WATER	98.05135H	8/16/1998	8/16/1998	00378940F		GAMMA	0.95	L	Ra228			19.90	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D		GAMMA	1.00	L	Ba140			357.00	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D		GAMMA	1.00	L	Co60			6.46	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D		GAMMA	1.00	L	Cs137			4.59	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D		GAMMA	1.00	L	I131			734.00	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D		GAMMA	1.00	L	K40			56.50	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D	ļ	GAMMA	1.00	L	Ra226			81.20	PCI/L	8/16/1998
MW (6.25%) Dup.	Soil Pore	WATER	98.05136J	8/16/1998	8/16/1998	00380135D		GAMMA	1.00	L	Ra228			18.00	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Ba140			333.00	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Co60			7.85	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Cs137			6.39	PCI/L	8/16/1998

**Appendix 6.** Gamma radiations concentrations in water from field sampling, August 1998.

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Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QC	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	I131			495.00	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	K40			77.00	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Pa234m	287.00	303.00		PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Pb212	7.10	7.86	444.00	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Ra226			111.00	PCI/L	8/16/1998
MW (6.25%) Trip.	Soil Pore	WATER	98.05137K	8/16/1998	8/16/1998	00378992U		GAMMA	1.00	L	Ra228			20.70	PCI/L	8/16/1998
E10 E10	Soil Pore	WATER	98.05138L	8/17/1998	8/17/1998	00379018H		GAMMA	1.00	L	Ba140			252.00	PCI/L	8/17/1998
	Soil Pore	WATER	98.05138L	8/17/1998	8/17/1998	00379018H		GAMMA	1.00	L L	Co60			5.58 4.32	PCI/L	8/17/1998
E10 E10	Soil Pore Soil Pore	WATER WATER	98.05138L 98.05138L	8/17/1998 8/17/1998	8/17/1998 8/17/1998	00379018H 00379018H		GAMMA GAMMA	1.00	L	Cs137 I131			318.00	PCI/L PCI/L	8/17/1998 8/17/1998
E10	Soil Pore	WATER	98.05138L 98.05138L	8/17/1998	8/17/1998	00379018H		GAMMA	1.00	L I	K40			54.80	PCI/L PCI/L	8/17/1998
E10	Soil Pore	WATER	98.05138L 98.05138L	8/17/1998	8/17/1998	00379018H 00379018H		GAMMA	1.00	L I	Ra226			82.30	PCI/L PCI/L	8/17/1998
E10	Soil Pore	WATER	98.05138L	8/17/1998	8/17/1998	00379018H		GAMMA	1.00	L	Ra228			16.60	PCI/L	8/17/1998
E10	NS	WATER	98.05139M	8/17/1998	8/17/1998	0037901811 00379044K		GAMMA	1.00	I I	Ba140			242.00	PCI/L	8/17/1998
E10	NS NS	WATER	98.05139M 98.05139M	8/17/1998	8/17/1998	00379044K 00379044K	<del>                                     </del>	GAMMA	1.00	L	Co60	1		6.15	PCI/L PCI/L	8/17/1998
E10	NS	WATER	98.05139M	8/17/1998	8/17/1998	00379044K		GAMMA	1.00	L	Cs137			4.73	PCI/L	8/17/1998
E10	NS	WATER	98.05139M	8/17/1998	8/17/1998	00379044K		GAMMA	1.00	L	I131			330.00	PCI/L	8/17/1998
E10	NS	WATER	98.05139M	8/17/1998	8/17/1998	00379044K		GAMMA	1.00	I I	K40			55.80	PCI/L	8/17/1998
E10	NS NS	WATER	98.05139M	8/17/1998	8/17/1998	00379044K		GAMMA	1.00	L	Ra226			79.70	PCI/L	8/17/1998
E10	NS	WATER	98.05139M	8/17/1998	8/17/1998	00379044K		GAMMA	1.00	L	Ra228			16.80	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05139M 98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	I I	Ba140			192.00	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	L	Co60			3.70	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	L	Cs137			3.71	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	L	I131			280.00	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	I	K40			43.50	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	L	Ra226			64.00	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379070M		GAMMA	1.00	I	Ra228			12.40	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	Ba140			363.00	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	Co60			9.51	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	Cs137			6.80	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	I131			503.00	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	K40			90.40	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	Ra226			98.00	PCI/L	8/17/1998
Island	Soil Pore	WATER	98.05140E	8/17/1998	8/17/1998	00379095X	DUP	GAMMA	1.00	L	Ra228			24.00	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	Ba140			285.00	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	Co60			5.88	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	Cs137			5.61	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	I131	1		390.00	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	K40			59.10	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	Ra226			103.00	PCI/L	8/17/1998
Island	NS	WATER	98.05141F	8/17/1998	8/17/1998	00379120E		GAMMA	1.00	L	Ra228			16.90	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	Ba140			345.00	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	Co60			7.83	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	Cs137			6.65	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	I131			490.00	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	K40			90.80	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	Ra226			105.00	PCI/L	8/17/1998
E4	Soil Pore	WATER	98.05142G	8/17/1998	8/17/1998	00379146Q		GAMMA	1.00	L	Ra228			26.00	PCI/L	8/17/1998
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	Ba140			314.00	PCI/L	8/17/1998
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	Co60			5.84	PCI/L	8/17/1998
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	Cs137			5.33	PCI/L	8/17/1998

**Appendix 6.** Gamma radiations concentrations in water from field sampling, August 1998.

Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QC	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	I131			399.00	PCI/L	8/17/1998
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	K40			53.40	PCI/L	8/17/1998
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	Ra226			98.20	PCI/L	8/17/1998
E4	NS	WATER	98.05143H	8/17/1998	8/17/1998	00379172T		GAMMA	1.00	L	Ra228			18.80	PCI/L	8/17/1998

Appendix 7. Routine water quality from field sampling, February 1999.

Date	Location	Strata (m)	Type of Sample	Temp (°C)	pН	Turb (NTU)	Cond (mmhos/cm)	DO (mg/L)	Lab pH	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )	Total Ammonia (mg/L as N)	Unionized Ammonia (mg/L as N)
Feb-99	CHW	soil	pore water	4.74	7.81	NS	7.30	8.44	7.62	540	1786	5.0	0.04
Feb-99	CHW	midchannel	water	5.12	8.54	8.8	1.38	10.21	NS	NS	NS	1.5	0.06
Feb-99	UX	soil	pore water	12.98	7.77	NS	3.80	6.69	7.75	572	1312	0.1	0.00
Feb-99	UX	NS	water	9.31	8.5	11	1.30	7.27	8.77	172	282	0.1	0.00
Feb-99	UX	1	water	7.35	8.61	8.9	1.20	8.28	8.83	166	286	0.1	0.01
Feb-99	UX	5	water	6.41	8.66	9.1	1.15	8.63	8.92	154	234	0.1	0.01
Feb-99	UX	10	water	6.57	8.69	8.2	1.14	8.9	8.89	158	244	0.1	0.01
Feb-99	U4	soil	pore water	13.29	7.67	NS	5.70	6.77	7.76	500	988	54.1	0.60
Feb-99	U4	NS	water	7.2	8.68	50	1.16	7.91	8.82	156	232	0.1	0.00
Feb-99	U4	1	water	6.37	8.7	36	1.16	8.27	8.86	160	236	0.1	0.00
Feb-99	U4	5	water	6.27	8.69	7.3	1.15	8.53	8.87	160	238	0.1	0.00
Feb-99	U4	10	water	5.96	8.72	9.6	1.14	8.62	8.88	154	228	0.1	0.01
Feb-99	E4	soil	pore water	8.06	8.02	NS	3.29	7.67	8.07	316	684	0.1	0.00
Feb-99	E4	NS	water	10	9.51	16	1.37	8.1	8.75	162	258	0.1	0.04
Feb-99	E4	1	water	8.48	8.61	15	1.36	9.8	8.91	154	252	0.1	0.01
Feb-99	E4	5 10	water	7.6	8.63	13	1.33	7.73 7.92	8.84	158	258	0.1	0.01
Feb-99 Feb-99	E4 E10	soil	water	6.49 4.64	8.65 8.15	13 NS	1.18 1.78	7.92	8.92 8.09	158 242	236 520	0.1	0.01
Feb-99	E10 E10	NS	pore water water	8.2	8.06	23	1.78	8.52	8.86	164	254	0.3	0.00
Feb-99	E10	1	water	8.5	8.55	11	1.19	7.92	8.91	162	250	0.1	0.00
Feb-99	E10	5	water	8.7	8.6	12	1.19	8.7	8.86	156	230	0.1	0.01
Feb-99	E10	10	water	6.6	8.68	8.2	1.15	8.81	8.83	154	228	0.1	0.00
Feb-99	MW	soil	pore water	8.64	7.46	NS NS	8.42	4.2	7.43	560	2592	491.5	2.36
Feb-99	MW	NS	water	7 9	8.48	6.7	0.94	NS	8.4	164	394	6.3	0.29
Feb-99	MW	1	water	6.99	8.65	5.8	0.82	10.7	8.44	158	366	0.3	0.02
Feb-99	MW	5	water	5.89	8.59	6.7	0.76	12.3	8.45	150	344	0.1	0.00
Feb-99	MW	10	water	5.7	8.65	6.8	0.75	11.48	8.47	152	336	0.1	0.01
Feb-99	D2	soil	pore water	10.05	7.34	NS	1.78	6	6.85	818	4452	594.4	2.42
Feb-99	D2	NS	water	9.28	8.51	22	1.42	10.5	8.38	158	360	4.7	0.25
Feb-99	D2	1	water	6.59	8.47	9.2	1.47	11.3	8.44	150	336	0.3	0.01
Feb-99	D2	5	water	5.81	8.59	6.7	0.81	12	8.46	148	334	0.2	0.01
Feb-99	D2	10	water	5.65	8.68	6.1	0.81	11.57	8.46	150	342	0.2	0.01
Feb-99	D4	soil	pore water	14.03	7.1	NS	1.60	5	6.89	664	4596	497.8	1.59
Feb-99	D4	NS	water	10.77	8.37	7.3	0.42	7.4	8.32	156	370	9.2	0.41
Feb-99	D4	1	water	9.45	8.54	7.5	1.36	10.62	8.44	156	368	3.8	0.22
Feb-99	D4	5	water	5.95	8.65	6.5	1.26	10.7	8.42	150	342	0.3	0.02
Feb-99	D4	10	water	5.59	8.68	5.9	1.25	11.32	8.47	148	338	0.0	0.00
Feb-99	D4a	sb	water	15.24	7.7	NS	9.99	10.7	NS	NS	NS	NS	NS
Feb-99	D4b	pool	water	15.55	7.89	NS	7.62	9.96	NS 7.25	NS	NS 4002	NS 669.5	NS 7.04
Feb-99	D6	soil	pore water	10.41	7.79	NS	13.90	4.44	7.35	814	4992	668.5	7.84
Feb-99	D6	NS 1	water	13.5 12.1	8.08 8.44	45 19	2.47 1.57	7.4 7.3	7.77 8.22	194	572 402	38.2 10.7	1.09
Feb-99	D6 D6	5	water	12.1	7.15	52	24.90	9.4	7.25	164 958	7440		0.61 NS
Feb-99 Feb-99	D6	10	water	7.55	8.32	23	0.81	9.4	8.39	958 154	356	NS NS	NS NS
Feb-99 Feb-99	D6 D8		water	7.55	8.32	NS NS	1.78	9.64 8.11	7.52	154	356 448	6.7	0.12
Feb-99 Feb-99	D8	soil NS	pore water water	8.21	8.32	12	1.78	8.55	8.2	170	448	26.1	0.12
Feb-99	D8	1	water	7.72	8.31	15	1.38	8.3	8.15	162	450	23.7	0.83
Feb-99	D8	5	water	6.13	8.49	21	1.38	9.51	8.42	158	364	4.8	0.73
Feb-99	D8	10	water	5.29	8.61	20	1.19	9.71	NS NS	154	340	0.1	0.00
Feb-99	D10	soil	pore water	11.17	7.27	NS NS	2.25	4.03	7.62	1054	5704	429.6	1.63
Feb-99	D10	NS	water	6.52	8.4	90	1.71	8.42	8.24	182	530	9.2	0.32
Feb-99	D10	1	water	6.07	8.43	23	1.37	7.86	8.36	158	372	4.7	0.17
Feb-99	D10	5	water	5.46	8.59	19	1.31	9.6	8.42	156	362	4.1	0.20
Feb-99	D10	10	water	5.16	8.69	15	1.19	10.5	8.48	156	348	0.1	0.01

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NADEL Comple												
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	Q Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7429-90-5	Aluminum	32		В		5/3/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7440-36-0	Antimony	0.0729	U			5/3/1999	3051/6020	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7440-38-2	Arsenic	2.77		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL					ruseme								Tione
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7440-39-3	Barium	104		В		5/3/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
CINV	Middlesonal	ATLAS MILL	00.0110211	2/28/1000	WATED	7440 42 0	C. Ii	0.076		D		5/2/1000	2051/6020	NA	None
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7440-43-9	Cadmium	0.076		В		5/3/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7440-70-2	Calcium	99600				5/3/1999	3051/6020	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7440-47-3	Chromium	0.623		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7440-48-4	Cobalt	0.0995	U			5/10/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7440-50-8	Copper	20.8		В		5/10/1999	3051/6020	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7439-89-6	Iron	122				5/3/1999	3051/6020	NA	None
CIIW	Wittenanner	ATLAS MILL	99.0119311	2/28/1999	WAILK	7439-89-0	Iron	122				3/3/1999	3031/0020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7439-95-4	Magnesium	44400				5/3/1999	3051/6020	NA	None
a		ATLAS MILL	00.0440044	2/20/4000	W. C. TED	#400.0c.#		450				5/2/4000	2051 (6020	37.1	
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7439-96-5	Manganese	158				5/3/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7440-02-0	Nickel	12.7		В		5/10/1999	3051/6020	NA	None
		ATLAS MILL					11101101								110110
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7440-09-7	Potassium	5580				5/3/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7782-49-2	Selenium	4.6		В		5/3/1999	3051/6020	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
CHW	Midchanner	ATLAS MILL	99.01193H	2/28/1999	WAIEK	/440-22-4	Silvei	0.203	U			3/3/1999	3031/0020	NA	None
CHW	Midchannel	SITE	99.01193H	2/28/1999	WATER	7440-23-5	Sodium	113000				5/3/1999	3051/6020	NA	None
CHW	Midchannel	ATLAS MILL SITE	99.01193H	2/28/1999	WATER	7440-28-0	Thallium	1.2		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Midchannel	SITE ATLAS MILL	99.01193H	2/28/1999	WATER	7440-62-2	Vanadium	1.68		В		5/3/1999	3051/6020	NA	None
CHW	Midchannel	SITE	99.01193Н	2/28/1999	WATER	7440-66-6	Zinc	1.35		В		5/3/1999	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	99.01194J	2/28/1999	WATER	7429-90-5	Aluminum	31.7		В		5/3/1999	3051/6020	NA	None
CIIW	JUII FUIC	ATLAS MILL	77.0117 <del>4</del> J	2/20/1777	WALLE	1747-70-3	Aluminium	31./		۵ .		JI JI 1777	3031/0020	IVA	NOHE
CHW	Soil Pore	SITE ATLAS MILL	99.01194J	2/28/1999	WATER	7440-36-0	Antimony	0.129		В		5/3/1999	3051/6020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-38-2	Arsenic	4.77		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
Chefit Sample 1D.	Strata (III)	Troject Name.	#.	Date Conected.	mauix.	CAS Number	Analyte	Concentration (µg/L)		C	Q	Date Allaryzeu	Methou	rexture.	Artifacts.
İ		ATLAS MILL													
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-39-3	Barium	908				5/3/1999	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	99.01194J	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
CHW	3011 Fore	ATLAS MILL	99.011943	2/28/1999	WAILK	/440-41-/	Berymum	0.0032				3/10/1999	3031/0020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-43-9	Cadmium	0.064	U			5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Soil Pore	SITE ATLAS MILL	99.01194J	2/28/1999	WATER	7440-70-2	Calcium	407000				5/3/1999	3051/6020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-47-3	Chromium	1.4		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-48-4	Cobalt	2.3		В		5/10/1999	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	99.01194J	2/28/1999	WATER	7440-50-8	Copper	127				5/10/1999	3051/6020	NA	None
CIIW	3011 1 010	ATLAS MILL	77.011743	2/20/1///	WAILK	7440-30-8	Соррсі	127				3/10/1777	3031/0020	IVA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7439-89-6	Iron	865				5/3/1999	3051/6020	NA	None
CHW	G 11 B	ATLAS MILL	00.011041	2/20/1000	WATER	7420.02.1		0.0742	* *			5/2/1000	2051/6020	37.4	N
CHW	Soil Pore	SITE ATLAS MILL	99.01194J	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7439-95-4	Magnesium	157000				5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7439-96-5	Manganese	6790				5/3/1999	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	99.01194J	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
CII.	50111010	ATLAS MILL	77.0117.0	2/20/1///	WILLIAM	7135 57 0	mercury	0.05				3/11/17/7	, , , , , , ,	1111	110110
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-02-0	Nickel	30.6		В		5/10/1999	3051/6020	NA	None
CHW	C-11 D	ATLAS MILL	99.01194J	2/29/1000	WATED	7440-09-7	Determina	17100				5/3/1999	2051/6020	NI A	None
CHW	Soil Pore	SITE ATLAS MILL	99.01194J	2/28/1999	WATER	/440-09-/	Potassium	1/100				5/3/1999	3051/6020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7782-49-2	Selenium	8.82				5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Soil Pore	SITE ATLAS MILL	99.01194J	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-23-5	Sodium	956000				5/3/1999	3051/6020	NA	None
		ATLAS MILL													
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-28-0	Thallium	0.304		В		5/3/1999	3051/6020	NA	None
CHW	Soil Pore	ATLAS MILL SITE	99.01194J	2/28/1999	WATER	7440-62-2	Vanadium	1.81		В		5/3/1999	3051/6020	NA	None
CIIW	3011 Fore	ATLAS MILL	99.011943	2/28/1999	WAILK	7440-02-2	v anadium	1.01		ь		3/3/1999	3031/0020	NA	None
CHW	Soil Pore	SITE	99.01194J	2/28/1999	WATER	7440-66-6	Zinc	13.4		В		5/3/1999	3051/6020	NA	None
LIN		ATLAS MILL	00.000055	2/25/1000	WATER	7420.00.5	.1 .	267		D.		4/14/1000	2051/6020	37.4	N
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7429-90-5	Aluminum	26.7		В		4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-36-0	Antimony	0.094		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U	1		4/14/1999	3051/6020	NA	None
UX	1	ATLAS MILL SITE	99.00986F	2/25/1999	WATER	7440-39-3	Barium	59.2		В		4/14/1999	3051/6020	NA	None
7.7	<u> </u>	ATLAS MILL				, , , , , , ,		****							
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
UX	1	ATLAS MILL SITE	99.00986F	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	N/A	None
$\cup \lambda$	1	511E	99.00980F	2/23/1999	WAIEK	/440-43-9	Cadmium	V.U04	U	L	<u> </u>	4/13/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
LIV		ATLAS MILL	00 0000 CE	2/25/1000	MATER	7440 70 2	G.1.:	02100				4/15/1000	2051/6020	N. A	N
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7440-70-2	Calcium	83100				4/15/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-47-3	Chromium	3.24		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL	00.00006F	0.05.4.000				0.404				4/4.4/4.000	2051/5020		27
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7440-48-4	Cobalt	0.131		В		4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-50-8	Copper	3.84		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL	00.00006F	0.05.4.000		#420.00.c						4/4.4/4.000	2051/5020		27
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7439-89-6	Iron	117				4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7439-92-1	Lead	0.747		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7439-95-4	Magnesium	31700				4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7439-96-5	Manganese	32.3				4/14/1999	3051/6020	NA	None
		ATLAS MILL	00 0000 CF	0/05/4000		5420.05 c	3.6	0.05				2/40/4000		27.1	27
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-02-0	Nickel	9.67		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL								_					
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7440-09-7	Potassium	4770		В		4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL													
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-23-5	Sodium	128000				4/15/1999	3051/6020	NA	None
		ATLAS MILL													
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
UX	1	SITE	99.00986F	2/25/1999	WATER	7440-62-2	Vanadium	1.44		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL	00 000000	0.05.4.000		<b>7.110</b> 66 6	i.					4/4.4/4.000	2051/5020		27
UX	1	SITE ATLAS MILL	99.00986F	2/25/1999	WATER	7440-66-6	Zinc	6.23		В		4/14/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7429-90-5	Aluminum	20.5		В		4/14/1999	3051/6020	NA	None
	_	ATLAS MILL	00.00000	2/25/4000		### DE DE DE		0.0500				4/4.4/4.000	2054/5020		
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
LIV	-	ATLAS MILL	00 000025	2/25/1000	WATER	7440 20 2	Danisass	50.2		D		4/14/1000	2051/6020	NA	None
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-39-3	Barium	58.3		В		4/14/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
LIV	-	ATLAS MILL	00 000025	2/25/1000	WATER	7440 42 0	C. Ii	0.064				4/15/1000	2051/6020	NA	None
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7440-70-2	Calcium	81800				4/15/1999	3051/6020	NA	None
LIV	-	ATLAS MILL	00 000025	2/25/1000	WATER	7440 47 3	Characia	5.00		D		4/14/1000	2051/6020	NA	None
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-47-3	Chromium	5.08		В		4/14/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
UX	5	ATLAS MILL SITE	99.00992D	2/25/1999	WATER	7440-50-8	Copper	3.71		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL					**			Б					
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7439-89-6	Iron	108				4/14/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7439-92-1	Lead	0.351		В		4/14/1999	3051/6020	NA	None
UX	5	ATLAS MILL SITE	99.00992D	2/25/1999	WATER	7439-95-4	Magnesium	30300				4/14/1999	3051/6020	NA	None
UX	5	ATLAS MILL SITE	99.00992D	2/25/1999	WATER	7439-96-5	Manganese	23.2				4/14/1999	3051/6020	NA	None
		ATLAS MILL													
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-02-0	Nickel	6.07		В		4/14/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7440-09-7	Potassium	4580		В		4/14/1999	3051/6020	NA	None
UX	5	ATLAS MILL SITE	99.00992D	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL										1			
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
UX	5	SITE ATLAS MILL	99.00992D	2/25/1999	WATER	7440-23-5	Sodium	127000				4/15/1999	3051/6020	NA	None
UX	5	SITE	99.00992D	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
UX	5	ATLAS MILL SITE	99.00992D	2/25/1999	WATER	7440-62-2	Vanadium	1.38		В		4/14/1999	3051/6020	NA	None
UX	5	ATLAS MILL SITE	99.00992D	2/25/1999	WATER	7440-66-6	Zinc	5.13		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
UX	10	SITE ATLAS MILL	99.00987G	2/25/1999	WATER	7429-90-5	Aluminum	16.8		В		4/14/1999	3051/6020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-39-3	Barium	59.8		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL							**						
UX	10	SITE ATLAS MILL	99.00987G	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
UX	10	SITE ATLAS MILL	99.00987G	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7440-70-2	Calcium	83700				4/15/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-47-3	Chromium	3.08		В		4/14/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL								-					
UX	10	SITE ATLAS MILL	99.00987G	2/25/1999	WATER	7440-50-8	Copper	3.16		В		4/14/1999	3051/6020	NA	None
UX	10	SITE ATLAS MILL	99.00987G	2/25/1999	WATER	7439-89-6	Iron	90.6		В		4/14/1999	3051/6020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7439-92-1	Lead	0.393		В		4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7439-95-4	Magnesium	31500				4/14/1999	3051/6020	NA	None
UA	10	ATLAS MILL	99.00987G	2/23/1999	WAILK	7439-93-4	iviagnesium	31300				4/14/1999	3031/0020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7439-96-5	Manganese	21.9				4/14/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-02-0	Nickel	0.053	U			4/14/1999	3051/6020	NA	None
UA.	10	ATLAS MILL	77.00787G	2/23/1777	WAILK	7440-02-0	IVICKCI	0.055	- 0			4/14/17/7	3031/0020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7440-09-7	Potassium	0.053	U			4/14/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7782-49-2	Selenium	5.04		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL		_,						_					
UX	10	SITE ATLAS MILL	99.00987G	2/25/1999	WATER	7440-22-4	Silver	4810		В		4/14/1999	3051/6020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7440-23-5	Sodium	1.63	U			4/15/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-28-0	Thallium	0.205	U			4/14/1999	3051/6020	NA	None
UX	10	ATLAS MILL SITE	99.00987G	2/25/1999	WATER	7440-62-2	Vanadium	125000				4/14/1999	3051/6020	NA	None
UA.	10	ATLAS MILL	77.00787G	2/23/1777	WAILK	7440-02-2	vanadium	123000				4/14/17/7	3031/0020	NA	None
UX	10	SITE	99.00987G	2/25/1999	WATER	7440-66-6	Zinc	5.86		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7429-90-5	Aluminum	14		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL								_					
UX	NS	SITE ATLAS MILL	99.00990B	2/25/1999	WATER	7440-38-2	Arsenic	0.576		В		4/14/1999	3051/6020	NA	None
UX	NS	SITE	99.00990B	2/25/1999	WATER	7440-39-3	Barium	58		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
		ATLAS MILL		_,											
UX	NS	SITE ATLAS MILL	99.00990B	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
UX	NS	SITE	99.00990B	2/25/1999	WATER	7440-70-2	Calcium	95300				4/15/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-47-3	Chromium	0.845		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL								Б					
UX	NS	SITE ATLAS MILL	99.00990B	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/14/1999	3051/6020	NA	None
UX	NS	SITE	99.00990B	2/25/1999	WATER	7440-50-8	Copper	5.3		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7439-89-6	Iron	94.9		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
UX	NS	SITE ATLAS MILL	99.00990B	2/25/1999	WATER	7439-92-1	Lead	0.407		В		4/14/1999	3051/6020	NA	None
UX	NS	SITE	99.00990B	2/25/1999	WATER	7439-95-4	Magnesium	35900				4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7439-96-5	Manganese	39.8				4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	<b>Q</b>	Date Analyzed	Method	Texture:	Artifacts:
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-02-0	Nickel	6.15		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-09-7	Potassium	5160				4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7782-49-2	Selenium	1.81		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-23-5	Sodium	151000				4/15/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-62-2	Vanadium	1.41		В		4/14/1999	3051/6020	NA	None
UX	NS	ATLAS MILL SITE	99.00990B	2/25/1999	WATER	7440-66-6	Zinc	5.88		В		4/14/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7429-90-5	Aluminum	190		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-36-0	Antimony	0.437		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-38-2	Arsenic	1.3		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-39-3	Barium	31.1		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-43-9	Cadmium	0.064	U			5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-70-2	Calcium	281000				5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-47-3	Chromium	1.3		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-48-4	Cobalt	1.02		В		5/10/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-50-8	Copper	78.1				5/10/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7439-89-6	Iron	270				5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7439-95-4	Magnesium	154000				5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7439-96-5	Manganese	294				5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-02-0	Nickel	25.9		В		5/10/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-09-7	Potassium	16500				5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7782-49-2	Selenium	3.92		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	Q	Date Analyzed	Method	Texture:	Artifacts:
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
		ATLAS MILL													
UX	Soil Pore	SITE ATLAS MILL	99.01198N	2/28/1999	WATER	7440-23-5	Sodium	687000				5/10/1999	3051/6020	NA	None
UX	Soil Pore	SITE	99.01198N	2/28/1999	WATER	7440-28-0	Thallium	0.812		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-62-2	Vanadium	14.1		В		5/3/1999	3051/6020	NA	None
UX	Soil Pore	ATLAS MILL SITE	99.01198N	2/28/1999	WATER	7440-66-6	Zinc	6.12		В		5/3/1999	3051/6020	NA	None
	3011 1 010	ATLAS MILL													ivone
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7429-90-5	Aluminum	19.1		В		4/14/1999	3051/6020	NA	None
U4	1	SITE	99.00988H	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7440-39-3	Barium	59.6		В		4/14/1999	3051/6020	NA	None
04	1	ATLAS MILL	99.0098811	2/23/1999	WAIEK	/440-39-3	Darium	39.0		Б		4/14/1999	3031/0020	NA	None
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
U4	1	SITE	99.00988H	2/25/1999	WATER	7440-43-9	Cadmium	0.72		В		4/15/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7440-70-2	Calcium	80800				4/15/1999	3051/6020	NA	None
	1	ATLAS MILL								В					
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7440-47-3	Chromium	0.928		В		4/14/1999	3051/6020	NA	None
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/14/1999	3051/6020	NA	None
U4	1	SITE	99.00988H	2/25/1999	WATER	7440-50-8	Copper	2.96		В		4/14/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7439-89-6	Iron	84.8		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7439-92-1	Lead	0.228		В		4/14/1999	3051/6020	NA	None
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7439-95-4	Magnesium	30700				4/14/1999	3051/6020	NA	None
U4	1	SITE	99.00988H	2/25/1999	WATER	7439-96-5	Manganese	29.3				4/14/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
		ATLAS MILL								D					
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7440-02-0	Nickel	5.55		В		4/14/1999	3051/6020	NA	None
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7440-09-7	Potassium	4770		В		4/14/1999	3051/6020	NA	None
U4	1	SITE	99.00988H	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL													
U4	1	SITE ATLAS MILL	99.00988H	2/25/1999	WATER	7440-23-5	Sodium	127000				4/15/1999	3051/6020	NA	None
U4	1	SITE	99.00988H	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
Cheft Sample 1D.	Strata (III)	Troject Name.	#•	Date Conected.	mauix.	CAS Number	Analyte	Concentration (µg/L)		C	Q	Date Allaryzeu	Methou	rexture.	Artifacts.
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7440-62-2	Vanadium	1.59		В		4/14/1999	3051/6020	NA	None
U4	1	ATLAS MILL SITE	99.00988H	2/25/1999	WATER	7440-66-6	Zinc	6.23		В		4/14/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7429-90-5	Aluminum	15.1		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-36-0	Antimony	0.129		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-38-2	Arsenic	0.675		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-39-3	Barium	56.1		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-41-7	Beryllium	2.48		В		5/10/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-43-9	Cadmium	0.27		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-70-2	Calcium	84400				5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-47-3	Chromium	1.32		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-48-4	Cobalt	4.95		В		5/10/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-50-8	Copper	1.81		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7439-89-6	Iron	95		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7439-95-4	Magnesium	29500				5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7439-96-5	Manganese	24.8				5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-02-0	Nickel	12.8		В		5/10/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-09-7	Potassium	4420		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7782-49-2	Selenium	4.33		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-23-5	Sodium	119000				5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-28-0	Thallium	1.11		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-62-2	Vanadium	1.78		В		5/3/1999	3051/6020	NA	None
U4	5	ATLAS MILL SITE	99.01026T	2/25/1999	WATER	7440-66-6	Zinc	8.79		В		5/3/1999	3051/6020	NA	None
U4	10	ATLAS MILL SITE	99.01025R	2/25/1999	WATER	7429-90-5	Aluminum	12.7		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample	D . G D		a.a.v. I									
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	s Q	Date Analyzed	Method	Texture:	Artifacts:
114	10	ATLAS MILL	00 01025B	2/25/1000	WATED	7440.26.0	A	0.154		D		5/2/1000	2051/6020	NIA	Mana
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-36-0	Antimony	0.154		В		5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-38-2	Arsenic	1		В		5/3/1999	3051/6020	NA	None
***	4.0	ATLAS MILL	00.040250	0.05.4.000		### DO DO D						5/2/4000	2051/5020		
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-39-3	Barium	54.6		В		5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
		ATLAS MILL													
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-43-9	Cadmium	0.227		В		5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-70-2	Calcium	83900				5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-47-3	Chromium	1.83		В		5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-48-4	Cobalt	0.201		В		5/10/1999	3051/6020	NA	None
		ATLAS MILL	771010202	3,24,777		7		VV.				0.10,1,7,7			
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-50-8	Copper	2.3		В		5/3/1999	3051/6020	NA	None
U4	10	ATLAS MILL SITE	99.01025R	2/25/1999	WATER	7439-89-6	Iron	99.6		В		5/3/1999	3051/6020	NA	None
04	10	ATLAS MILL	)).01023R	2/23/1777	WATER	7437 67 6	non	77.0		Б		3/3/1777	303170020	1421	rone
U4	10	SITE	99.01025R	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
U4	10	ATLAS MILL SITE	99.01025R	2/25/1999	WATER	7439-95-4	Magnesium	28900				5/3/1999	3051/6020	NA	None
04	10	ATLAS MILL	99.01023K	2/23/1999	WATER	7439-93-4	iviagnesium	28900				3/3/1999	3031/0020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7439-96-5	Manganese	23.8				5/3/1999	3051/6020	NA	None
114	10	ATLAS MILL SITE	99.01025R	2/25/1999	WATER	7439-97-6	Monosoms	0.05	U			3/11/1999	7471 4	NA	None
U4	10	ATLAS MILL	99.01023K	2/23/1999	WAIEK	/439-97-0	Mercury	0.03	U			3/11/1999	7471A	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-02-0	Nickel	9.61		В		5/10/1999	3051/6020	NA	None
774	10	ATLAS MILL	00.010250	2/25/1000	WATER	7440.00.7	D	4270		D.		5/2/1000	2051/6020	37.4	N
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-09-7	Potassium	4370		В		5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7782-49-2	Selenium	5.25				5/3/1999	3051/6020	NA	None
***	4.0	ATLAS MILL	00.040250	0/05/4000			9.7	0.005				5/2/4000	2051/5020		
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-23-5	Sodium	118000				5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	10	SITE ATLAS MILL	99.01025R	2/25/1999	WATER	7440-28-0	Thallium	1.02		В		5/3/1999	3051/6020	NA	None
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-62-2	Vanadium	1.77		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	10	SITE	99.01025R	2/25/1999	WATER	7440-66-6	Zinc	6.75 17.8		B B		5/3/1999 4/14/1999	3051/6020	NA	None
U4	NS	ATLAS MILL SITE	99.00989J	2/25/1999	WATER	7429-90-5	Aluminum	17.8		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL						0.086		В		4/14/1999			
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-36-0	Antimony	0.700		- P		4/14/1000	3051/6020	NA	None
U4	NS	ATLAS MILL SITE	99.00989J	2/25/1999	WATER	7440-38-2	Arsenic	0.769		В		4/14/1999	3051/6020	NA	None
J.	- 10	ATLAS MILL						58.9		В		4/14/1999			5440
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-39-3	Barium						3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

		1													
			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL						0.0632	U		V	4/15/1999			
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-41-7	Beryllium	0.0032				4/15/17/7	3051/6020	NA	None
		ATLAS MILL						0.433		В		4/15/1999			
U4	NS	SITE ATLAS MILL	99.00989J	2/25/1999	WATER	7440-43-9	Cadmium	85600				4/15/1999	3051/6020	NA	None
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-70-2	Calcium	83000				4/15/1999	3051/6020	NA	None
		ATLAS MILL		2,20,1,7,7		,,,,,,,		1.07		В		4/14/1999			- 1,011
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-47-3	Chromium						3051/6020	NA	None
U4	NS	ATLAS MILL SITE	99.00989J	2/25/1999	WATER	7440-48-4	Cobalt	0.109		В		4/14/1999	3051/6020	NA	None
04	113	ATLAS MILL	99.009893	2/23/1999	WAILK	7440-48-4	Cobait	3.49		В		4/14/1999	3031/0020	IVA	None
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-50-8	Copper						3051/6020	NA	None
***	110	ATLAS MILL		2/25/4000	W. Coron	# 430 00 f		80.7		В		4/14/1999	2054/5020		
U4	NS	SITE ATLAS MILL	99.00989J	2/25/1999	WATER	7439-89-6	Iron	0.327		В		4/14/1999	3051/6020	NA	None
U4	NS	SITE	99.00989J	2/25/1999	WATER	7439-92-1	Lead	0.327				4/14/17/7	3051/6020	NA	None
		ATLAS MILL						31300				4/14/1999			
U4	NS	SITE	99.00989J	2/25/1999	WATER	7439-95-4	Magnesium	27.5				4/14/1000	3051/6020	NA	None
U4	NS	ATLAS MILL SITE	99.00989J	2/25/1999	WATER	7439-96-5	Manganese	27.5				4/14/1999	3051/6020	NA	None
04	115	ATLAS MILL	77.007873	2/23/17/7	WAILK	7437-70-3	ivianganese	0.05	U			3/10/1999	3031/0020	NA.	None
U4	NS	SITE	99.00989J	2/25/1999	WATER	7439-97-6	Mercury						7471A	NA	None
774	NG	ATLAS MILL	00 000001	2/25/1000	WATER	7440.02.0	NT 1 1	7.12		В		4/14/1999	2051/6020	37.4	N.
U4	NS	SITE ATLAS MILL	99.00989J	2/25/1999	WATER	7440-02-0	Nickel	4690		В		4/14/1999	3051/6020	NA	None
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-09-7	Potassium	10,0				., 1 ., 1,,,,	3051/6020	NA	None
		ATLAS MILL						2.48		В		4/14/1999			
U4	NS	SITE	99.00989J	2/25/1999	WATER	7782-49-2	Selenium	0.205	U			4/14/1000	3051/6020	NA	None
U4	NS	ATLAS MILL SITE	99.00989J	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
Ü.	110	ATLAS MILL	77.007070	2/20/1///	WILLER	7110 22 1	Sirver	132000				4/15/1999	302170020	1121	110110
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-23-5	Sodium						3051/6020	NA	None
U4	NS	ATLAS MILL SITE	99.00989J	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
04	No	ATLAS MILL	99.009893	2/23/1999	WAIEK	/440-28-0	Hamum	1.4		В		4/14/1999	3031/6020	NA	None
U4	NS	SITE	99.00989J	2/25/1999	WATER	7440-62-2	Vanadium						3051/6020	NA	None
	NG	ATLAS MILL	00.000007	2/25/1000	WATER	7440.66.5	<b>77</b> :	10.2		В		4/14/1999	2051/6026	37.4	N.
U4	NS	SITE ATLAS MILL	99.00989J	2/25/1999	WATER	7440-66-6	Zinc					+	3051/6020	NA	None
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7429-90-5	Aluminum	49.5		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7440-36-0	Antimony	0.392		В		5/3/1999	3051/6020	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7440-38-2	Arsenic	5.68		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7440-39-3	Barium	48		В		5/3/1999	3051/6020	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
04	Son rote	ATLAS MILL	22.0112/IVI	2/20/1777	WAILK	/440-41-/	Derymulli	0.0032	U	1		3/10/1777	3031/0020	INA	INUITE
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7440-43-9	Cadmium	0.625		В		5/3/1999	3051/6020	NA	None
114	G - 11 D	ATLAS MILL	00.0110714	2/28/1000	WATER	7440 70 2	C-1-i	177000				5/2/1000	2051/6020	NIA	N
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7440-70-2	Calcium	177000			<u> </u>	5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									·				
U4	Soil Pore	SITE ATLAS MILL	99.01197M	2/28/1999	WATER	7440-47-3	Chromium	3.84		В		5/3/1999	3051/6020	NA	None
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7440-48-4	Cobalt	0.941		В		5/10/1999	3051/6020	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7440-50-8	Copper	154				5/10/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE ATLAS MILL	99.01197M	2/28/1999	WATER	7439-89-6	Iron	177				5/3/1999	3051/6020	NA	None
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7439-95-4	Magnesium	126000				5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE ATLAS MILL	99.01197M	2/28/1999	WATER	7439-96-5	Manganese	612				5/3/1999	3051/6020	NA	None
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7440-02-0	Nickel	25.4		В		5/10/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE ATLAS MILL	99.01197M	2/28/1999	WATER	7440-09-7	Potassium	37400				5/3/1999	3051/6020	NA	None
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7782-49-2	Selenium	70.6				5/3/1999	3051/6020	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE ATLAS MILL	99.01197M	2/28/1999	WATER	7440-23-5	Sodium	1330000				5/10/1999	3051/6020	NA	None
U4	Soil Pore	SITE	99.01197M	2/28/1999	WATER	7440-28-0	Thallium	0.66		В		5/3/1999	3051/6020	NA	None
U4	Soil Pore	ATLAS MILL SITE	99.01197M	2/28/1999	WATER	7440-62-2	Vanadium	6.02		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
U4	Soil Pore	SITE ATLAS MILL	99.01197M	2/28/1999	WATER	7440-66-6	Zinc	10.6		В		5/3/1999	3051/6020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7429-90-5	Aluminum	22.7		В		4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/23/1999	3051/6020	NA	None
7.4		ATLAS MILL	00.010101	2/25/4000	W. CEED	= 440 ao a		0.005				4/22/4000	2051/6020	37.1	
E4	1	SITE ATLAS MILL	99.01013M	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7440-39-3	Barium	63.4		В		4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
E4	1	ATLAS MILL	00.0101234	2/25/1000	WATED	7440 42 0	C- Indiana	0.064				4/22/1000	2051/6020	NA	N
E4	1	SITE ATLAS MILL	99.01013M	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7440-70-2	Calcium	90100				4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-47-3	Chromium	2.52		В		4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-48-4	Cobalt	0.247		В		4/23/1999	3051/6020	N A	None
E4	1	ATLAS MILL	39.01013WI	4/43/1777	WAIEK	/440-46-4	Cobait	0.247		Б		4/23/1777	3031/0020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7440-50-8	Copper	4.65		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

E4	rata (m)	Project Name:	NAREL Sample	l l											
			#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL					_				,				
E4	1	SITE ATLAS MILL	99.01013M	2/25/1999	WATER	7439-89-6	Iron	114				4/23/1999	3051/6020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7439-95-4	Magnesium	34200				4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7439-96-5	Manganese	65.4				4/23/1999	3051/6020	NA	None
		ATLAS MILL													
E4	1	SITE ATLAS MILL	99.01013M	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7440-02-0	Nickel	8.83		В		4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-09-7	Potassium	5190				4/23/1999	3051/6020	NA	None
		ATLAS MILL													
E4	1	SITE ATLAS MILL	99.01013M	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-23-5	Sodium	172000				4/23/1999	3051/6020	NA	None
E4	1	ATLAS MILL SITE	99.01013M	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL							0						
E4	1	SITE ATLAS MILL	99.01013M	2/25/1999	WATER	7440-62-2	Vanadium	1.53		В		4/23/1999	3051/6020	NA	None
E4	1	SITE	99.01013M	2/25/1999	WATER	7440-66-6	Zinc	9.04		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7429-90-5	Aluminum	13.5		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-36-0	Antimony	0.131		В		4/23/1999	3051/6020	NA	None
21		ATLAS MILL											300170020	1111	110110
E4	5	SITE ATLAS MILL	99.01018T	2/25/1999	WATER	7440-38-2	Arsenic	0.405		В		4/23/1999	3051/6020	NA	None
E4	5	SITE	99.01018T	2/25/1999	WATER	7440-39-3	Barium	60.9		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
EH	J	ATLAS MILL	77.010181	414311373	WAIEK	/440-41-/	DerAllinii	0.0032	U			4/20/1777	3031/0020	INA	INOHE
E4	5	SITE ATLAS MILL	99.01018T	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E4	5	SITE	99.01018T	2/25/1999	WATER	7440-70-2	Calcium	90400				4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-47-3	Chromium	1.47		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
E4	5	SITE ATLAS MILL	99.01018T	2/25/1999	WATER	7440-48-4	Cobalt	0.191		В		4/23/1999	3051/6020	NA	None
E4	5	SITE ATLAS MILL	99.01018T	2/25/1999	WATER	7440-50-8	Copper	4.86		В		4/23/1999	3051/6020	NA	None
E4	5	SITE	99.01018T	2/25/1999	WATER	7439-89-6	Iron	88.7		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7439-92-1	Lead	1.57		В		5/13/1999	3051/6020	NA	None
	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7439-95-4	Magnesium	33300				4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7439-96-5	Manganese	51.4				4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-02-0	Nickel	7.92		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-09-7	Potassium	4970		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7782-49-2	Selenium	1.66		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-23-5	Sodium	168000				4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-28-0	Thallium	0.138		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE	99.01018T	2/25/1999	WATER	7440-62-2	Vanadium	1.47		В		4/23/1999	3051/6020	NA	None
E4	5	ATLAS MILL SITE ATLAS MILL	99.01018T	2/25/1999	WATER	7440-66-6	Zinc	6.5		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7429-90-5	Aluminum	18.9		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-36-0	Antimony	0.086		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-38-2	Arsenic	0.336		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-39-3	Barium	58.3		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-70-2	Calcium	85500				4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-47-3	Chromium	0.903		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-48-4	Cobalt	0.155		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7440-50-8	Copper	5.39		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7439-89-6	Iron	87.9		В		4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7439-92-1	Lead	1.25		В		5/13/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7439-95-4	Magnesium	32300				4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7439-96-5	Manganese	25.8				4/23/1999	3051/6020	NA	None
E4	10	SITE ATLAS MILL	99.01017R	2/25/1999	WATER	7439-97-6	Mercury	0.05	U	_		3/11/1999	7471A	NA	None
E4	10	SITE	99.01017R	2/25/1999	WATER	7440-02-0	Nickel	5.39		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		<b>Qualifier</b>	s Q	Date Analyzed	Method	Texture:	Artifacts:
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7440-09-7	Potassium	4830		В	Ţ	4/23/1999	3051/6020	NA	None
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7782-49-2	Selenium	1.63	U	В		4/23/1999	3051/6020	NA	None
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7440-23-5	Sodium	135000				4/23/1999	3051/6020	NA	None
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7440-28-0	Thallium	0.169		В		4/23/1999	3051/6020	NA	None
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7440-62-2	Vanadium	1.5		В		4/23/1999	3051/6020	NA	None
E4	10	ATLAS MILL SITE	99.01017R	2/25/1999	WATER	7440-66-6	Zinc	6.65		В		4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7429-90-5	Aluminum	22.6		В		4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-36-0	Antimony	0.168		В		4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-39-3	Barium	66.7		В		4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-41-7	Beryllium	0.068		В		4/26/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7440-70-2	Calcium	91300				4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7440-47-3	Chromium	2.21		В		4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7440-48-4	Cobalt	0.227		В		4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7440-50-8	Copper	4.67		В		4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7439-89-6	Iron	103				4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7439-92-1	Lead	1.4		В		5/13/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7439-95-4	Magnesium	33100				4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7439-96-5	Manganese	67.8				4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7440-02-0	Nickel	9.42		В		4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7440-09-7	Potassium	5020				4/23/1999	3051/6020	NA	None
E4	NS	SITE ATLAS MILL	99.01019U	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
E4	NS	SITE	99.01019U	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
								(Fg' 2)		C	Q				1111111111111
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-23-5	Sodium	177000				4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-62-2	Vanadium	1.49		В		4/23/1999	3051/6020	NA	None
E4	NS	ATLAS MILL SITE	99.01019U	2/25/1999	WATER	7440-66-6	Zinc	13.2		В		4/23/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7429-90-5	Aluminum	44.6		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-36-0	Antimony	0.208		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-38-2	Arsenic	1.4		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-39-3	Barium	181		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-43-9	Cadmium	0.16		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-70-2	Calcium	181000				5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE	99.01195K	2/28/1999	WATER	7440-47-3	Chromium	1.07		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	ATLAS MILL SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-48-4	Cobalt	0.211		В		5/10/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-50-8	Copper	73.5				5/10/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7439-89-6	Iron	161				5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7439-95-4	Magnesium	51700				5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7439-96-5	Manganese	12.6		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-02-0	Nickel	20.1		В		5/10/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-09-7	Potassium	7790				5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7782-49-2	Selenium	7.4				5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-23-5	Sodium	472000		_		5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-28-0	Thallium	0.629		В		5/3/1999	3051/6020	NA	None
E4	Soil Pore	SITE	99.01195K	2/28/1999	WATER	7440-62-2	Vanadium	2.25		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	s Q	Date Analyzed	Method	Texture:	Artifacts:
F.4	G 11D	ATLAS MILL	00.011051/	2/20/1000	WATER	7440.66.6	<b>7</b> :	4.40		D.		5/2/1000	2051/6020	N. A	N
E4	Soil Pore	SITE ATLAS MILL	99.01195K	2/28/1999	WATER	7440-66-6	Zinc	4.48		В		5/3/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7429-90-5	Aluminum	23.8		В		4/14/1999	3051/6020	NA	None
E10		ATLAS MILL	00 000001	2/25/1000	WATER	7440.26.0		0.0720				4/14/1000	2051/6020	37.4	N
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
F10		ATLAS MILL	00 000001	2/25/1000	WATER	7440.20.2	ъ.	61.6		D.		4/14/1000	2051/6020	27.4	
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-39-3	Barium	61.6		В		4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
F4.0		ATLAS MILL	00 000007	0.05.4.000				0.064				4/4.5/4.000	2051/5020		
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-70-2	Calcium	85400				4/15/1999	3051/6020	NA	None
F14.0		ATLAS MILL	00 000007	0.05.4.000		5440 45 a		4.00				4/4.4/4.000	2051/5020		
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-47-3	Chromium	1.88		В		4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
		ATLAS MILL					_			_					
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-50-8	Copper	1.77		В		4/16/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7439-89-6	Iron	96		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL								_					
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7439-92-1	Lead	0.707		В		4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7439-95-4	Magnesium	31700				4/14/1999	3051/6020	NA	None
		ATLAS MILL													
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7439-96-5	Manganese	30				4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
740		ATLAS MILL		0.05.4.000			27.1.1					4/4.5/4.000	2051/5020		
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-02-0	Nickel	4.7		В		4/15/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-09-7	Potassium	4930		В		4/14/1999	3051/6020	NA	None
F4.0		ATLAS MILL	00 000007	0/05/4000		### A 40 A	a	4.60				4/4.4/4.000	2051/5020		
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
F10	1	ATLAS MILL	700000	2/25/1000	WATER	7440 22 5	G - 4:	122000				4/15/1000	2051/6020	NA	None
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-23-5	Sodium	133000				4/15/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
F10		ATLAS MILL	00 000007	2/25/1000	WATER	7440 62 2	7.7 1°	1.45				4/14/1000	2051/6026	27.4	
E10	1	SITE ATLAS MILL	99.00999L	2/25/1999	WATER	7440-62-2	Vanadium	1.45		В		4/14/1999	3051/6020	NA	None
E10	1	SITE	99.00999L	2/25/1999	WATER	7440-66-6	Zinc	21				4/14/1999	3051/6020	NA	None
Esta		ATLAS MILL	00.010160	2/25/2000	HI A CEDE	7420 00 7	41	12.0				4/02/1000	2051/2020	27.	
E10	5	SITE ATLAS MILL	99.01016Q	2/25/1999	WATER	7429-90-5	Aluminum	13.9		В		4/23/1999	3051/6020	NA	None
E10	5	SITE	99.01016Q	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

	5( ( ( )	D. C. AV	NAREL Sample	D. C. B. ( )	<b>M</b>	GASN. I				O I'C		D. A. I. I.		T	:.
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	Q	Date Analyzed	Method	Texture:	Artifacts:
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-39-3	Barium	58.1		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-70-2	Calcium	83700				4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-47-3	Chromium	0.846		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-48-4	Cobalt	0.176		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-50-8	Copper	3.7		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7439-89-6	Iron	79.8		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7439-92-1	Lead	1.3		В		5/13/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7439-95-4	Magnesium	31600				4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7439-96-5	Manganese	27.3				4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-02-0	Nickel	5.44		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-09-7	Potassium	4650		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-23-5	Sodium	132000				4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-28-0	Thallium	0.155		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-62-2	Vanadium	1.52		В		4/23/1999	3051/6020	NA	None
E10	5	ATLAS MILL SITE	99.01016Q	2/25/1999	WATER	7440-66-6	Zinc	12.5		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7429-90-5	Aluminum	11.7		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE ATLAS MILL	99.01021M	2/25/1999	WATER	7440-36-0	Antimony	0.228		В		4/23/1999	3051/6020	NA	None
E10	10	SITE	99.01021M	2/25/1999	WATER	7440-38-2	Arsenic	1.94		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-39-3	Barium	60.5		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	,	<b>Qualifier</b> C	Q	Date Analyzed	Method	Texture:	Artifacts:
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-70-2	Calcium	84700				4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-47-3	Chromium	1.85		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-48-4	Cobalt	0.211		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-50-8	Copper	3.87		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7439-89-6	Iron	102				4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7439-92-1	Lead	1.7		В		5/13/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7439-95-4	Magnesium	31700				4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7439-96-5	Manganese	20.4				4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-02-0	Nickel	7.95		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-09-7	Potassium	4640		В		4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7782-49-2	Selenium	8.99				4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE	99.01021M	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
E10	10	ATLAS MILL SITE ATLAS MILL	99.01021M	2/25/1999	WATER	7440-23-5	Sodium	127000				4/23/1999	3051/6020	NA	None
E10	10	SITE ATLAS MILL	99.01021M	2/25/1999	WATER	7440-28-0	Thallium	0.148		В		4/23/1999	3051/6020	NA	None
E10	10	SITE ATLAS MILL	99.01021M	2/25/1999	WATER	7440-62-2	Vanadium	1.3		В		4/23/1999	3051/6020	NA	None
E10	10	SITE ATLAS MILL	99.01021M	2/25/1999	WATER	7440-66-6	Zinc	11.7		В		4/23/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7429-90-5	Aluminum	5.94		В		4/23/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/23/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7440-39-3	Barium	62.4		В		4/23/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
E10	NS	SITE ATLAS MILL	99.01020L	2/25/1999	WATER	7440-70-2	Calcium	87900				4/23/1999	3051/6020	NA	None
E10	NS	SITE	99.01020L	2/25/1999	WATER	7440-47-3	Chromium	0.846		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

				NAREL Sample											
E10 NS	lient Sample ID:	Strata (m)	Project Name:		Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)			Date Analyzed	Method	Texture:	Artifacts:
E10	FILO	210		00.040207	2/25/4000	W. A. STEP	<b>5</b> 440.40.4	6.1.1	0.450			1/22/1000	2054/5020	27.1	
E10	E10	NS		99.01020L	2/25/1999	WATER	/440-48-4	Cobait	0.169		В	4/23/1999	3051/6020	NA	None
E10	E10	NS	SITE	99.01020L	2/25/1999	WATER	7440-50-8	Copper	3.59		В	4/23/1999	3051/6020	NA	None
EIO	E10	NS		99.01020L	2/25/1999	WATER	7439-89-6	Iron	81.4		В	4/23/1999	3051/6020	NA	None
E10 NS   STE   99.01020L   225/1999   WATER   7439-95-5   Maganesium   32100   4/23/1999   3051/6020			ATLAS MILL												
E10	E10	NS		99.01020L	2/25/1999	WATER	/439-92-1	Lead	1.33		В	5/13/1999	3051/6020	NA	None
E10	E10	NS	SITE	99.01020L	2/25/1999	WATER	7439-95-4	Magnesium	32100			4/23/1999	3051/6020	NA	None
E10	E10	NS		99.01020L	2/25/1999	WATER	7439-96-5	Manganese	38.9			4/23/1999	3051/6020	NA	None
ATLAS MILL   PO   PO   PO   PO   PO   PO   PO															
E10 NS   SITE   99,01020L   2/25/1999   WATER   7440-02-0   Nickel   5.58   B   4/23/1999   3051/6020	E10	NS		99.01020L	2/25/1999	WATER	7439-97-6	Mercury	0.05	U		3/11/1999	7471A	NA	None
E10 NS   SITE   99,01020L   2/25/1999   WATER   7440-09-7   Potassium   4790   B   4/23/1999   3051/6020	E10	NS	SITE	99.01020L	2/25/1999	WATER	7440-02-0	Nickel	5.58		В	4/23/1999	3051/6020	NA	None
Ratias Mill   Site   99,01020L   2/25/1999   Water   7782-49-2   Selenium   1.63   U   4/23/1999   3051/6020	E10	NS		99.010201.	2/25/1999	WATER	7440-09-7	Potassium	4790		В	4/23/1999	3051/6020	NA	None
E10			ATLAS MILL					1 Ottassium			В				rone
E10 NS   SITE   99.01020L   2/25/1999   WATER   7440-22-4   Silver   0.205   U   4/23/1999   3051/6020	E10	NS		99.01020L	2/25/1999	WATER	7782-49-2	Selenium	1.63	U		4/23/1999	3051/6020	NA	None
E10 NS   SITE   99.01020L   2/25/1999   WATER   7440-23-5   Sodium   129000   4/23/1999   3051/6020	E10	NS		99.01020L	2/25/1999	WATER	7440-22-4	Silver	0.205	U		4/23/1999	3051/6020	NA	None
E10 NS   SITE   99.01020L   2/25/1999   WATER   7440-28-0   Thallium   0.154   B   4/23/1999   3051/6020	E10	NG		00.010201	2/25/1000	WATER	7440 22 5	G 1:	120000			4/22/1000	2051/6020	27.4	N
E10 NS SITE 99.01020L 2/25/1999 WATER 7440-28-0 Thallium 0.154 B 4/23/1999 3051/6020  E10 NS SITE 99.01020L 2/25/1999 WATER 7440-62-2 Vanadium 1.47 B 4/23/1999 3051/6020  ATLAS MILL 51TE 99.01020L 2/25/1999 WATER 7440-66-6 Zinc 5.55 B 4/23/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7429-90-5 Aluminum 26.2 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-36-0 Antimony 0.398 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-38-2 Arsenic 2.02 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-38-2 Arsenic 2.02 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-38-2 Arsenic 2.02 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-38-3 Barium 345 5/3/1999 3051/6020	E10	NS		99.01020L	2/25/1999	WATER	/440-23-5	Sodium	129000			4/23/1999	3051/6020	NA	None
E10 NS SITE 99.01020L 2/25/1999 WATER 7440-62-2 Vanadium 1.47 B 4/23/1999 3051/6020  E10 NS SITE 99.01020L 2/25/1999 WATER 7440-66-6 Zinc 5.55 B 4/23/1999 3051/6020  ATLAS MILL 5/1999 SITE 99.01196L 2/28/1999 WATER 7429-90-5 Aluminum 26.2 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-36-0 Antimony 0.398 B 5/3/1999 3051/6020  ATLAS MILL 5/1999 SITE 99.01196L 2/28/1999 WATER 7440-36-0 Antimony 0.398 B 5/3/1999 3051/6020  ATLAS MILL 5/1999 SITE 99.01196L 2/28/1999 WATER 7440-38-2 Arsenic 2.02 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-39-3 Barium 345 5/3/1999 3051/6020  ATLAS MILL 5/1999 SITE 99.01196L 2/28/1999 WATER 7440-39-3 Barium 345 5/3/1999 3051/6020	E10	NS		99.01020L	2/25/1999	WATER	7440-28-0	Thallium	0.154		В	4/23/1999	3051/6020	NA	None
Result	E10	NS		99.01020L	2/25/1999	WATER	7440-62-2	Vanadium	1.47		В	4/23/1999	3051/6020	NA	None
E10   Soil Pore   SITE   99.01196L   2/28/1999   WATER   7429-90-5   Aluminum   26.2   B   5/3/1999   3051/6020															
E10         Soil Pore         SITE         99.01196L         2/28/1999         WATER         7429-90-5         Aluminum         26.2         B         5/3/1999         3051/6020           E10         Soil Pore         SITE         99.01196L         2/28/1999         WATER         7440-36-0         Antimony         0.398         B         5/3/1999         3051/6020           E10         Soil Pore         SITE         99.01196L         2/28/1999         WATER         7440-38-2         Arsenic         2.02         B         5/3/1999         3051/6020           E10         Soil Pore         SITE         99.01196L         2/28/1999         WATER         7440-39-3         Barium         345         5/3/1999         3051/6020           ATLAS MILL         ATLAS MILL         ATLAS MILL         ATLAS MILL         5/3/1999         3051/6020	E10	NS		99.01020L	2/25/1999	WATER	7440-66-6	Zinc	5.55		В	4/23/1999	3051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-36-0 Antimony 0.398 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-38-2 Arsenic 2.02 B 5/3/1999 3051/6020  E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-39-3 Barium 345 5/3/1999 3051/6020  ATLAS MILL 5/3/1999 3051/6020	E10	Soil Pore	SITE	99.01196L	2/28/1999	WATER	7429-90-5	Aluminum	26.2		В	5/3/1999	3051/6020	NA	None
E10   Soil Pore   SITE   99.01196L   2/28/1999   WATER   7440-38-2   Arsenic   2.02   B   5/3/1999   3051/6020	E10	Cail Daga		00.011061	2/28/1000	WATED	7440.26.0	Amtimomy	0.208		D	5/2/1000	2051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-39-3 Barium 345 5/3/1999 3051/6020 ATLAS MILL	EIO	Soli Pole		99.01190L	2/28/1999	WAILK	7440-30-0	Antimony	0.378		ь	3/3/1999	3031/0020	INA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-39-3 Barium 345 5/3/1999 3051/6020 ATLAS MILL 5/3/1999 3051/6020	E10	Soil Pore		99.01196L	2/28/1999	WATER	7440-38-2	Arsenic	2.02		В	5/3/1999	3051/6020	NA	None
ATLAS MILL ATLAS MILL	E10	Soil Pore		99.01196L	2/28/1999	WATER	7440-39-3	Barium	345			5/3/1999	3051/6020	NA	None
E10   Soil Pore   S11E   99.01196L   2/28/1999   WATER   /440-41-/   Beryllium   0.0632   U I I I 5/10/1999 I 3051/6020 I			ATLAS MILL							**					
ATLAS MILL	E10	Soil Pore		99.01196L	2/28/1999	WATER	/440-41-/	Beryllium	0.0632	U		5/10/1999	3051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-43-9 Cadmium 0.112 B 5/3/1999 3051/6020	E10	Soil Pore	SITE	99.01196L	2/28/1999	WATER	7440-43-9	Cadmium	0.112		В	5/3/1999	3051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-70-2 Calcium 142000 5/3/1999 3051/6020	E10	Soil Pore		99.011961.	2/28/1999	WATER	7440-70-2	Calcium	142000			5/3/1999	3051/6020	NA	None
ATLAS MILL ATLAS MILL			ATLAS MILL								-				
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-47-3 Chromium 0.674 B 5/3/1999 3051/6020  ATLAS MILL	E10	Soil Pore		99.01196L	2/28/1999	WATER	/440-47-3	Chromium	0.674		В	5/3/1999	3051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-48-4 Cobalt 0.758 B 5/10/1999 3051/6020	E10	Soil Pore	SITE	99.01196L	2/28/1999	WATER	7440-48-4	Cobalt	0.758		В	5/10/1999	3051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7440-50-8 Copper 32.7 5/10/1999 3051/6020	E10	Soil Pore		99.01196L	2/28/1999	WATER	7440-50-8	Copper	32.7			5/10/1999	3051/6020	NA	None
E10 Soil Pore SITE 99.01196L 2/28/1999 WATER 7439-89-6 Iron 142 5/3/1999 3051/6020	F10	Soil Pore		99 011961	2/28/1000		7/30-80-6		142			5/3/1000	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)	(	<b>Qualifier</b> C	<b>Q</b>	Date Analyzed	Method	Texture:	Artifacts:
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7439-95-4	Magnesium	40100				5/3/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7439-96-5	Manganese	1200				5/3/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7440-02-0	Nickel	13.9		В		5/10/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7440-09-7	Potassium	4670		В		5/3/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7782-49-2	Selenium	1.66		В		5/3/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE	99.01196L	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
E10	Soil Pore	ATLAS MILL SITE ATLAS MILL	99.01196L	2/28/1999	WATER	7440-23-5	Sodium	198000				5/3/1999	3051/6020	NA	None
E10	Soil Pore	SITE ATLAS MILL	99.01196L	2/28/1999	WATER	7440-28-0	Thallium	0.847		В		5/3/1999	3051/6020	NA	None
E10	Soil Pore	SITE ATLAS MILL	99.01196L	2/28/1999	WATER	7440-62-2	Vanadium	1.47		В		5/3/1999	3051/6020	NA	None
E10	Soil Pore	SITE ATLAS MILL	99.01196L	2/28/1999	WATER	7440-66-6	Zinc	2.75		В		5/3/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7429-90-5	Aluminum	20.5		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-36-0	Antimony	0.149		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-38-2	Arsenic	1.02		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-39-3	Barium	57.8		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-70-2	Calcium	85700				4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-47-3	Chromium	0.855		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-48-4	Cobalt	0.194		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7440-50-8	Copper	5.85		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7439-89-6	Iron	87.1		В		4/23/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7439-92-1	Lead	1.37		В		5/13/1999	3051/6020	NA	None
MW	1	SITE ATLAS MILL	99.01015P	2/25/1999	WATER	7439-95-4	Magnesium	32300				4/23/1999	3051/6020	NA	None
MW	1	SITE	99.01015P	2/25/1999	WATER	7439-96-5	Manganese	35.3				4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		<b>Qualifier</b> C	<b>Q</b>	Date Analyzed	Method	Texture:	Artifacts:
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-02-0	Nickel	6.23		В		4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-09-7	Potassium	4890		В		4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7782-49-2	Selenium	3.18		В		4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-23-5	Sodium	139000				4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-28-0	Thallium	0.165		В		4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-62-2	Vanadium	2.2		В		4/23/1999	3051/6020	NA	None
MW	1	ATLAS MILL SITE	99.01015P	2/25/1999	WATER	7440-66-6	Zinc	15.1		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7429-90-5	Aluminum	20.8		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-36-0	Antimony	0.197		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-38-2	Arsenic	0.927		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-39-3	Barium	56.8		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-70-2	Calcium	84600				4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-47-3	Chromium	0.746		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-48-4	Cobalt	0.152		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-50-8	Copper	5.4		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7439-89-6	Iron	92.6		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7439-92-1	Lead	1.31		В		5/13/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7439-95-4	Magnesium	31500				4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7439-96-5	Manganese	22.6				4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-02-0	Nickel	7.11		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-09-7	Potassium	4670		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									_				
MW	5	SITE	99.01014N	2/25/1999	WATER	7782-49-2	Selenium	3.74		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			7.14 == 1		V.=VV							
MW	5	SITE	99.01014N	2/25/1999	WATER	7440-23-5	Sodium	130000				4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL SITE	99.01014N	2/25/1999	WATER	7440-28-0	Thallium	0.177		В		4/23/1999	3051/6020	NA	None
171 77	3	ATLAS MILL	)).010141V	2/23/1777	WAILK	7440-28-0	Thamum	0.177		В		4/23/1777	3031/0020	IVA	None
MW	5	SITE	99.01014N	2/25/1999	WATER	7440-62-2	Vanadium	1.73		В		4/23/1999	3051/6020	NA	None
MW	5	ATLAS MILL	00 01014N	2/25/1000	WATED	7440 66 6	7ima	4.9		В		4/23/1999	2051/6020	NI A	None
MW	3	SITE ATLAS MILL	99.01014N	2/25/1999	WATER	7440-66-6	Zinc	4.9		В		4/23/1999	3051/6020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7429-90-5	Aluminum	13		В		4/15/1999	3051/6020	NA	None
		ATLAS MILL								_					
MW	10	SITE ATLAS MILL	99.01003K	2/25/1999	WATER	7440-36-0	Antimony	0.086		В		4/15/1999	3051/6020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-38-2	Arsenic	1.89		В		4/15/1999	3051/6020	NA	None
		ATLAS MILL													
MW	10	SITE ATLAS MILL	99.01003K	2/25/1999	WATER	7440-39-3	Barium	58.3		В		4/15/1999	3051/6020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
1,11,1		ATLAS MILL	)).010031L	2/20/17/7	WILLIAM	7110 11 7	Berjinani	0.0032				1/10/17/7	3001/0020	1,11	110110
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
MW	10	ATLAS MILL SITE	99.01003K	2/25/1999	WATER	7440-70-2	Calcium	82800				4/15/1999	3051/6020	NA	None
IVI VV	10	ATLAS MILL	99.01003K	2/23/1999	WAILK	7440-70-2	Calcium	82800				4/13/1999	3031/0020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-47-3	Chromium	0.773		В		4/15/1999	3051/6020	NA	None
2.007	10	ATLAS MILL	00.010031/	2/25/1000	WATER	7440 40 4	G 1 1	0.0005				4/15/1000	2051/6020	37.4	N
MW	10	SITE ATLAS MILL	99.01003K	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-50-8	Copper	2.4		В		4/16/1999	3051/6020	NA	None
		ATLAS MILL													
MW	10	SITE ATLAS MILL	99.01003K	2/25/1999	WATER	7439-89-6	Iron	74		В		4/15/1999	3051/6020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			4/16/1999	3051/6020	NA	None
		ATLAS MILL													
MW	10	SITE	99.01003K	2/25/1999	WATER	7439-95-4	Magnesium	31000				4/15/1999	3051/6020	NA	None
MW	10	ATLAS MILL SITE	99.01003K	2/25/1999	WATER	7439-96-5	Manganese	18.9				4/15/1999	3051/6020	NA	None
		ATLAS MILL													
MW	10	SITE	99.01003K	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
MW	10	ATLAS MILL SITE	99.01003K	2/25/1999	WATER	7440-02-0	Nickel	1.62		В		4/15/1999	3051/6020	NA	None
171 17	10	ATLAS MILL	)).01003K	2(23(1)))	WILLIE	7440 02 0	THERE	1.02		-		7/15/17/7	3031/0020	1121	Hone
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-09-7	Potassium	4420		В		4/15/1999	3051/6020	NA	None
MW	10	ATLAS MILL SITE	99.01003K	2/25/1999	WATER	7782-49-2	Selenium	7.61				4/15/1999	3051/6020	NA	None
IVI VV	10	ATLAS MILL	55.01005K	2/23/1777	WAILK	1102-47-2	Sciciiuili	7.01				4/13/1777	3031/0020	IVA	INOHE
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/15/1999	3051/6020	NA	None
MW	10	ATLAS MILL	00.010021/	2/25/1000	WATER	7440 22 5	Codina	120000				4/15/1000	2051/6020	NI A	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-23-5	Sodium	130000				4/15/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	Q	Date Analyzed	Method	Texture:	Artifacts:
MW	10	ATLAS MILL SITE	99.01003K	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/15/1999	3051/6020	NA	None
141 44	10	ATLAS MILL					Thumum	0.113	- 0					1471	rone
MW	10	SITE ATLAS MILL	99.01003K	2/25/1999	WATER	7440-62-2	Vanadium	1.58		В		4/15/1999	3051/6020	NA	None
MW	10	SITE	99.01003K	2/25/1999	WATER	7440-66-6	Zinc	3.76		В		4/16/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7429-90-5	Aluminum	15.6		В		4/23/1999	3051/6020	NA	None
	270	ATLAS MILL		2/25/4000	W. Con	5440.25 O		0.00				4/22/4000	2054/5020	27.1	
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7440-36-0	Antimony	0.08		В		4/23/1999	3051/6020	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7440-39-3	Barium	57.6		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7440-70-2	Calcium	90100				4/23/1999	3051/6020	NA	None
MW	NG	ATLAS MILL	00 01011V	2/25/1000	WATED	7440 47 2	Cl	0.686		В		4/22/1000	2051/6020	NIA	None
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7440-47-3	Chromium	0.686		В		4/23/1999	3051/6020	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7440-48-4	Cobalt	0.125		В		4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7440-50-8	Copper	4.84		В		4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7439-89-6	Iron	95.4		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7439-92-1	Lead	1.22		В		5/13/1999	3051/6020	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7439-95-4	Magnesium	38400				4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7439-96-5	Manganese	90.6				4/23/1999	3051/6020	NA	None
		ATLAS MILL					ivianganese								rone
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7440-02-0	Nickel	7.29		В		4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7440-09-7	Potassium	5890				4/23/1999	3051/6020	NA	None
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7782-49-2	Selenium	10.1				5/13/1999	3051/6020	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7440-23-5	Sodium	156000				4/23/1999	3051/6020	NA	None
MW	NS	ATLAS MILL SITE	99.01011K	2/25/1999	WATER	7440-28-0	Thallium	0.119		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	99.01011K	2/25/1999	WATER	7440-62-2	Vanadium	4.05		В		4/23/1999	3051/6020	NA	None
MW	NS	SITE	99.01011K	2/25/1999	WATER	7440-66-6	Zinc	4.41		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	s Q	Date Analyzed	Method	Texture:	Artifacts:
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7429-90-5	Aluminum	61.3		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-36-0	Antimony	0.945		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-38-2	Arsenic	4.62		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-39-3	Barium	52.2		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-41-7	Beryllium	0.564		В		5/10/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-43-9	Cadmium	0.97		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-70-2	Calcium	394000				5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-47-3	Chromium	1.64		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-48-4	Cobalt	3.12		В		5/10/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-50-8	Copper	263				5/10/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7439-89-6	Iron	332				5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7439-92-1	Lead	0.555		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7439-95-4	Magnesium	380000				5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7439-96-5	Manganese	4470				5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-02-0	Nickel	44.3				5/10/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-09-7	Potassium	71300				5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7782-49-2	Selenium	8.23				5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-22-4	Silver	0.233		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-23-5	Sodium	2210000				5/10/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE	99.01191F	2/28/1999	WATER	7440-28-0	Thallium	0.861		В		5/3/1999	3051/6020	NA	None
MW	Soil Pore	ATLAS MILL SITE ATLAS MILL	99.01191F	2/28/1999	WATER	7440-62-2	Vanadium	66500				5/3/1999	3051/6020	NA	None
MW	Soil Pore	SITE ATLAS MILL	99.01191F	2/28/1999	WATER	7440-66-6	Zinc	41.3				5/3/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7429-90-5	Aluminum	18		В		4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/23/1999	3051/6020	NA	None
D2	1	SITE	99.01012L	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-39-3	Barium	58		В		4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-70-2	Calcium	86700				4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-47-3	Chromium	0.637		В		4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-48-4	Cobalt	0.179		В		4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7440-50-8	Copper	3.69		В		4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7439-89-6	Iron	87.3		В		4/23/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE	99.01012L	2/25/1999	WATER	7439-92-1	Lead	1.94		В		5/13/1999	3051/6020	NA	None
D2	1	ATLAS MILL SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7439-95-4	Magnesium	32200				4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7439-96-5	Manganese	28.6				4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-02-0	Nickel	6.99		В		4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-09-7	Potassium	4710		В		4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-23-5	Sodium	134000				4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-28-0	Thallium	0.114		В		4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-62-2	Vanadium	1.68		В		4/23/1999	3051/6020	NA	None
D2	1	SITE ATLAS MILL	99.01012L	2/25/1999	WATER	7440-66-6	Zinc	2.13		В		4/23/1999	3051/6020	NA	None
D2	5	SITE ATLAS MILL	99.01002J	2/25/1999	WATER	7429-90-5	Aluminum	13		В		4/15/1999	3051/6020	NA	None
D2	5	SITE ATLAS MILL	99.01002J	2/25/1999	WATER	7440-36-0	Antimony	0.126		В		4/15/1999	3051/6020	NA	None
D2	5	SITE ATLAS MILL	99.01002J	2/25/1999	WATER	7440-38-2	Arsenic	1.63		В		4/15/1999	3051/6020	NA	None
D2	5	SITE ATLAS MILL	99.01002J	2/25/1999	WATER	7440-39-3	Barium	55	1.	В		4/15/1999	3051/6020	NA	None
D2	5	SITE ATLAS MILL	99.01002J	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA NA	None
D2	5	SITE	99.01002J	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample	D . G D		a.a.v. I				0 115					
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-70-2	Calcium	80700				4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-47-3	Chromium	1.28		В		4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-48-4	Cobalt	0.48		В		4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-50-8	Copper	1.5		В		4/16/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7439-89-6	Iron	65.3		В		4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			4/16/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7439-95-4	Magnesium	30700				4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7439-96-5	Manganese	22.7				4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-02-0	Nickel	4.01		В		4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-09-7	Potassium	4370		В		4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7782-49-2	Selenium	6.88				4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-23-5	Sodium	127000				4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-62-2	Vanadium	1.65		В		4/15/1999	3051/6020	NA	None
D2	5	ATLAS MILL SITE	99.01002J	2/25/1999	WATER	7440-66-6	Zinc	3.37		В		4/16/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7429-90-5	Aluminum	10.1		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-36-0	Antimony	0.074		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-39-3	Barium	58.7		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-70-2	Calcium	84700				4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-47-3	Chromium	0.529		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-48-4	Cobalt	0.133		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									·				
D2	10	SITE ATLAS MILL	99.01022N	2/25/1999	WATER	7440-50-8	Copper	4.63		В		4/23/1999	3051/6020	NA	None
D2	10	SITE	99.01022N	2/25/1999	WATER	7439-89-6	Iron	80.6		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL	00.010221	2/25/1000	WATER	7420.02.1		2.22		D		5/12/1000	2051/6020	27.4	N
D2	10	SITE ATLAS MILL	99.01022N	2/25/1999	WATER	7439-92-1	Lead	2.33		В		5/13/1999	3051/6020	NA	None
D2	10	SITE	99.01022N	2/25/1999	WATER	7439-95-4	Magnesium	32400				4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7439-96-5	Manganese	21.5				4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D2	10	SITE ATLAS MILL	99.01022N	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D2	10	SITE	99.01022N	2/25/1999	WATER	7440-02-0	Nickel	10.2		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-09-7	Potassium	4600		В		4/23/1999	3051/6020	NA	None
102	10	ATLAS MILL	99.01022N	2/25/1999	WATER	/440-09-/	Potassium	4600		В		4/23/1999	3031/6020	NA	None
D2	10	SITE	99.01022N	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D2	10	SITE ATLAS MILL	99.01022N	2/25/1999	WATER	7440-23-5	Sodium	132000				4/23/1999	3051/6020	NA	None
D2	10	SITE	99.01022N	2/25/1999	WATER	7440-28-0	Thallium	0.13		В		4/23/1999	3051/6020	NA	None
D2	10	ATLAS MILL SITE	99.01022N	2/25/1999	WATER	7440-62-2	Vanadium	1.46		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D2	10	SITE ATLAS MILL	99.01022N	2/25/1999	WATER	7440-66-6	Zinc	5.43		В		4/23/1999	3051/6020	NA	None
D2	NS	SITE	99.01024Q	2/25/1999	WATER	7429-90-5	Aluminum	13.3		В		5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-36-0	Antimony	0.15		В		5/3/1999	3051/6020	NA	None
DZ	110	ATLAS MILL	99.01024Q	2/23/1999	WAILK	7440-30-0	Antimony	0.13		Б		3/3/1999	3031/0020	NA	None
D2	NS	SITE ATLAS MILL	99.01024Q	2/25/1999	WATER	7440-38-2	Arsenic	0.508		В		5/3/1999	3051/6020	NA	None
D2	NS	SITE	99.01024Q	2/25/1999	WATER	7440-39-3	Barium	54.6		В		5/3/1999	3051/6020	NA	None
D2	NG	ATLAS MILL	00.010240	2/25/1000	WATER	7440 41 7	D 11:	0.0622				5/10/1000	2051/6020	27.4	
D2	NS	SITE ATLAS MILL	99.01024Q	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
D2	NS	SITE	99.01024Q	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-70-2	Calcium	89100				5/3/1999	3051/6020	NA	None
	110	ATLAS MILL	00.040240	2/25/4000	W. CEED	5440 45 A	GI :	0.004				5/2/4000	2054/6020	37.1	
D2	NS	SITE ATLAS MILL	99.01024Q	2/25/1999	WATER	7440-47-3	Chromium	0.981		В		5/3/1999	3051/6020	NA	None
D2	NS	SITE	99.01024Q	2/25/1999	WATER	7440-48-4	Cobalt	0.295		В		5/10/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-50-8	Copper	1.91		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL	`												
D2	NS	SITE ATLAS MILL	99.01024Q	2/25/1999	WATER	7439-89-6	Iron	82.3		В		5/3/1999	3051/6020	NA	None
D2	NS	SITE	99.01024Q	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample	D . G D		a.av. I									
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	Q	Date Analyzed	Method	Texture:	Artifacts:
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7439-95-4	Magnesium	32000				5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7439-96-5	Manganese	69.4				5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-02-0	Nickel	8.12		В		5/10/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-09-7	Potassium	5190				5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7782-49-2	Selenium	3.19		В		5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-23-5	Sodium	140000				5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-28-0	Thallium	1.08		В		5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-62-2	Vanadium	2.03		В		5/3/1999	3051/6020	NA	None
D2	NS	ATLAS MILL SITE	99.01024Q	2/25/1999	WATER	7440-66-6	Zinc	3.08		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7429-90-5	Aluminum	53.8		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-36-0	Antimony	0.26		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-38-2	Arsenic	3.51		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-39-3	Barium	25.9		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-41-7	Beryllium	0.807		В		5/10/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-43-9	Cadmium	8.87				5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7440-70-2	Calcium	502000				5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7440-47-3	Chromium	4.97		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7440-48-4	Cobalt	6.95		В		5/10/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7440-50-8	Copper	72.9				5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7439-89-6	Iron	378				5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7439-95-4	Magnesium	636000				5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7439-96-5	Manganese	6450				5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE	99.01176G	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b>	Q	Date Analyzed	Method	Texture:	Artifacts:
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-02-0	Nickel	75.2				5/10/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-09-7	Potassium	96100				5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7782-49-2	Selenium	26.7				5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-23-5	Sodium	3200000				5/10/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE	99.01176G	2/28/1999	WATER	7440-28-0	Thallium	1.52		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	ATLAS MILL SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7440-62-2	Vanadium	5.18		В		5/3/1999	3051/6020	NA	None
D2	Soil Pore	SITE ATLAS MILL	99.01176G	2/28/1999	WATER	7440-66-6	Zinc	73.1				5/3/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7429-90-5	Aluminum	16		В		4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-39-3	Barium	57.3		В		4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-70-2	Calcium	80800				4/15/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-47-3	Chromium	0.698		В		4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-50-8	Copper	1.37		В		4/16/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7439-89-6	Iron	81.3		В		4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7439-92-1	Lead	0.228		В		4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7439-95-4	Magnesium	33300				4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7439-96-5	Manganese	41.6				4/14/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-02-0	Nickel	7.82		В		4/15/1999	3051/6020	NA	None
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-09-7	Potassium	5480				4/14/1999	3051/6020	NA	None
D4	1	SITE	99.00998K	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									×.				
D4	1	SITE	99.00998K	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
D4	1	ATLAS MILL SITE	99.00998K	2/25/1999	WATER	7440-23-5	Sodium	143000				4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
D4	1	SITE	99.00998K	2/25/1999	WATER	7440-62-2	Vanadium	1.62		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D4	1	SITE ATLAS MILL	99.00998K	2/25/1999	WATER	7440-66-6	Zinc	2.74		В		4/14/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7429-90-5	Aluminum	9.58		В		4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/15/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-38-2	Arsenic	0.948		В		4/15/1999	3051/6020	NA	None
-		ATLAS MILL	00.0100514	0.05.4.000	W. CEED	5440 00 0	- ·					4/4.5/4.000	2051/5020	27.1	
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7440-39-3	Barium	57.3		В		4/15/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
-	_	ATLAS MILL	00.0100514	2/25/4000		5440 42 O		0.005		1		4/4.5/4.000	2051/5020		
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7440-43-9	Cadmium	0.907		В		4/15/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-70-2	Calcium	84600				4/15/1999	3051/6020	NA	None
D4	5	ATLAS MILL	00.0100514	2/25/1000	WATED	7440 47 2	Characian	0.729		D		4/15/1000	2051/6020	NI A	None
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7440-47-3	Chromium	0.728		В		4/15/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
D4	5	ATLAS MILL SITE	99.01005M	2/25/1999	WATER	7440-50-8	Copper	1.93		В		4/16/1999	3051/6020	NA	None
D4	3	ATLAS MILL	99.01003W	2/23/1999	WAILK	7440-30-8	Соррег	1.93		Б		4/10/1999	3031/0020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7439-89-6	Iron	61.7		В		4/15/1999	3051/6020	NA	None
D4	5	ATLAS MILL SITE	99.01005M	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			4/16/1999	3051/6020	NA	None
D-T		ATLAS MILL	77.01003W	2/23/1777	WATER	7437 72 1	Leud	0.0743				4/10/17/7	303170020	11/1	rone
D4	5	SITE	99.01005M	2/25/1999	WATER	7439-95-4	Magnesium	31900				4/15/1999	3051/6020	NA	None
D4	5	ATLAS MILL SITE	99.01005M	2/25/1999	WATER	7439-96-5	Manganese	25.8				4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-02-0	Nickel	5.53		В		4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7440-09-7	Potassium	4550		В		4/15/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7782-49-2	Selenium	3.46		В		4/15/1999	3051/6020	NA	None
F.		ATLAS MILL	00.010057.5	2/25/4000	111.4.7777	7440.00.1	0.1	0.707				4/15/1000	2051/2020	27.	
D4	5	SITE ATLAS MILL	99.01005M	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/15/1999	3051/6020	NA	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-23-5	Sodium	135000				4/15/1999	3051/6020	NA	None
D4		ATLAS MILL	00.0100534	2/25/1000	WATER	7440 29 0	Thelling	0.112				4/15/1000	2051/6020	NI A	None
D4	5	SITE	99.01005M	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/15/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D4	5	ATLAS MILL SITE	99.01005M	2/25/1999	WATER	7440-62-2	Vanadium	1.34		В		4/15/1999	3051/6020	NA	None
D4	5	ATLAS MILL SITE	99.01005M	2/25/1999	WATER	7440-66-6	Zinc	3.24		В		4/16/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7429-90-5	Aluminum	18.1		В		4/23/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-36-0	Antimony	0.135		В		4/23/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-39-3	Barium	55.5		В		4/23/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-70-2	Calcium	81500				4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-47-3	Chromium	0.484		В		4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-48-4	Cobalt	0.163		В		4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-50-8	Copper	3.63		В		4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7439-89-6	Iron	84.4		В		4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7439-92-1	Lead	1.31		В		5/13/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7439-95-4	Magnesium	31000				4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7439-96-5	Manganese	21.8				4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D4	10	SITE ATLAS MILL	99.01006N	2/25/1999	WATER	7440-02-0	Nickel	9.24		В		4/23/1999	3051/6020	NA	None
D4	10	SITE ATLAS MILL SITE	99.01006N 99.01006N	2/25/1999	WATER WATER	7440-09-7 7782-49-2	Potassium	4460	U	В		4/23/1999 4/23/1999	3051/6020 3051/6020	NA NA	None
D4	10	ATLAS MILL SITE	99.01006N 99.01006N	2/25/1999 2/25/1999	WATER	7440-22-4	Selenium	0.205	U			4/23/1999	3051/6020	NA NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-22-4	Sodium	126000	U			4/23/1999	3051/6020	NA NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-23-3	Thallium	0.162		В		4/23/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-62-2	Vanadium	1.49		В		4/23/1999	3051/6020	NA	None
D4	10	ATLAS MILL SITE	99.01006N	2/25/1999	WATER	7440-66-6	Zinc	1.68		В		4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7429-90-5	Aluminum	13.1		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7440-36-0	Antimony	0.15		В		4/23/1999	3051/6020	NA	None
D4	145	ATLAS MILL					Anumony			В				IVA	ivone
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7440-38-2	Arsenic	0.597		В		4/23/1999	3051/6020	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7440-39-3	Barium	59.1		В		4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
		ATLAS MILL													
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7440-70-2	Calcium	89100				4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7440-47-3	Chromium	1		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7440-48-4	Cobalt	0.206		В		4/23/1999	3051/6020	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7440-50-8	Copper	5.9		В		4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7439-89-6	Iron	86.9		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7439-92-1	Lead	1.36		В		5/13/1999	3051/6020	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7439-95-4	Magnesium	37900				4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7439-96-5	Manganese	57.9				4/23/1999	3051/6020	NA	None
D.I.	NG	ATLAS MILL	00.010220	2/25/1000		7420.07.6		0.05				2/11/1000			N
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7440-02-0	Nickel	7.95		В		4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7440-09-7	Potassium	6750				4/23/1999	3051/6020	NA	None
D.I.	NG	ATLAS MILL	00.010220	2/25/1000	MATER	7702.40.2	G.1 :	2.6		D		4/22/1000	2051/6020	27.4	N
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7782-49-2	Selenium	2.6		В		4/23/1999	3051/6020	NA	None
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7440-23-5	Sodium	182000				4/23/1999	3051/6020	NA	None
D4	NS	ATLAS MILL SITE	99.01023P	2/25/1999	WATER	7440-28-0	Thallium	0.139		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													ivone
D4	NS	SITE ATLAS MILL	99.01023P	2/25/1999	WATER	7440-62-2	Vanadium	1.87		В		4/23/1999	3051/6020	NA	None
D4	NS	SITE	99.01023P	2/25/1999	WATER	7440-66-6	Zinc	12.3		В		4/23/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7429-90-5	Aluminum	20		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
D4	Soil Pore	SITE ATLAS MILL	99.01189M	2/28/1999	WATER	7440-36-0	Antimony	0.555		В		5/3/1999	3051/6020	NA	None
D4	Soil Pore	SITE	99.01189M	2/28/1999	WATER	7440-38-2	Arsenic	3.22		В		5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-39-3	Barium	36.8		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client County ID.	Streets (m)	Positive Name	NAREL Sample	Data Callested	Madrin	CAS Namekon	Amalasta	Construction (upfl)		01:6		Details and	Malad	Torton	A = 425 = 4 = 1
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	(	Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-43-9	Cadmium	6.01				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-70-2	Calcium	637000				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-47-3	Chromium	2.08		В		5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-48-4	Cobalt	11.1		В		5/10/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-50-8	Copper	370				5/10/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7439-89-6	Iron	401				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7439-92-1	Lead	1.34		В		5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7439-95-4	Magnesium	713000				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7439-96-5	Manganese	9450				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-02-0	Nickel	90.1				5/10/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-09-7	Potassium	95700				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7782-49-2	Selenium	19.9				5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-23-5	Sodium	3840000				5/10/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE	99.01189M	2/28/1999	WATER	7440-28-0	Thallium	1.51		В		5/3/1999	3051/6020	NA	None
D4	Soil Pore	ATLAS MILL SITE ATLAS MILL	99.01189M	2/28/1999	WATER	7440-62-2	Vanadium	4.29		В		5/3/1999	3051/6020	NA	None
D4	Soil Pore	SITE ATLAS MILL	99.01189M	2/28/1999	WATER	7440-66-6	Zinc	137				5/3/1999	3051/6020	NA	None
D6	1	SITE ATLAS MILL	99.01004L	2/25/1999	WATER	7429-90-5	Aluminum	20.1		В		4/15/1999	3051/6020	NA	None
D6	1	SITE ATLAS MILL	99.01004L	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/15/1999	3051/6020	NA	None
D6	1	SITE ATLAS MILL	99.01004L	2/25/1999	WATER	7440-38-2	Arsenic	1.67		В		4/15/1999	3051/6020	NA	None
D6	1	SITE	99.01004L	2/25/1999	WATER	7440-39-3	Barium	55.1		В		4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-70-2	Calcium	86200				4/15/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b>	s Q	Date Analyzed	Method	Texture:	Artifacts:
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-47-3	Chromium	0.972		В		4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-50-8	Copper	4.86		В		4/16/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7439-89-6	Iron	61.3		В		4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			4/16/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7439-95-4	Magnesium	38900				4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7439-96-5	Manganese	69.4				4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-02-0	Nickel	5.04		В		4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-09-7	Potassium	7550				4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7782-49-2	Selenium	6.32				4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-23-5	Sodium	188000				4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-62-2	Vanadium	1.52		В		4/15/1999	3051/6020	NA	None
D6	1	ATLAS MILL SITE	99.01004L	2/25/1999	WATER	7440-66-6	Zinc	9.35		В		4/16/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7429-90-5	Aluminum	23.1		В		4/14/1999	3151/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-36-0	Antimony	3.54		В		4/14/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-38-2	Arsenic	5.15		В		4/14/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-39-3	Barium	66.1		В		4/14/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-43-9	Cadmium	1.94		В		4/15/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-70-2	Calcium	473000				4/15/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-47-3	Chromium	6.17		В		4/14/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-48-4	Cobalt	3.65		В		4/15/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7440-50-8	Copper	178				4/16/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAPEL C. I												
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7439-89-6	Iron	354			,	4/14/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7439-92-1	Lead	0.649		В		4/14/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7439-95-4	Magnesium	1130000				4/16/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7439-96-5	Manganese	5860				4/15/1999	3051/6020	NA	None
D6	5	ATLAS MILL SITE	99.01001H	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D6	5	ATLAS MILL SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-02-0	Nickel	35.9		В		4/15/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-09-7	Potassium	400000				4/15/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7782-49-2	Selenium	4.08		В		4/14/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-23-5	Sodium	7280000				4/16/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-28-0	Thallium	0.758		В		4/14/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-62-2	Vanadium	5.03		В		4/14/1999	3051/6020	NA	None
D6	5	SITE ATLAS MILL	99.01001H	2/25/1999	WATER	7440-66-6	Zinc	52.8		- D		4/14/1999	3051/6020	NA	None
D6	10	SITE ATLAS MILL SITE	99.01000G 99.01000G	2/25/1999 2/25/1999	WATER WATER	7429-90-5 7440-36-0	Aluminum	55.6 0.861		В		4/15/1999 4/14/1999	3051/6020 3051/6020	NA NA	None None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-38-2	Arsenic	0.992		В		4/14/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-39-3	Barium	57.5		В		4/14/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-41-7	Beryllium	0.183		В		4/15/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-43-9	Cadmium	0.305		В		4/15/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-70-2	Calcium	80000				4/15/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-47-3	Chromium	2.56		В		4/14/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE ATLAS MILL	99.01000G	2/25/1999	WATER	7440-48-4	Cobalt	1.22		В		4/14/1999	3051/6020	NA	None
D6	10	SITE ATLAS MILL	99.01000G	2/25/1999	WATER	7440-50-8	Copper	4.54		В		4/14/1999	3051/6020	NA	None
D6	10	SITE ATLAS MILL	99.01000G	2/25/1999	WATER	7439-89-6	Iron	114				4/15/1999	3051/6020	NA	None
D6	10	SITE ATLAS MILL	99.01000G	2/25/1999	WATER	7439-92-1	Lead	0.969		В		4/14/1999	3051/6020	NA	None
D6	10	SITE	99.01000G	2/25/1999	WATER	7439-95-4	Magnesium	30500				0414/99	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		<b>Qualifier</b>	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									_				
D6	10	SITE	99.01000G	2/25/1999	WATER	7439-96-5	Manganese	33.7				4/14/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
		ATLAS MILL		2,20,1,7,7		7.02.27.0		****				0,10,12,2	,,,,,,,		- 1,0.00
D6	10	SITE	99.01000G	2/25/1999	WATER	7440-02-0	Nickel	8.64		В		4/14/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-09-7	Potassium	5240				4/14/1999	3051/6020	NA	None
B0	10	ATLAS MILL	<i>yy</i> .01000G	2/23/1777	WATER	7440 05 7	1 ottassium	3240				4/14/1999	303170020	1421	rone
D6	10	SITE	99.01000G	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-22-4	Silver	0.302		В		4/14/1999	3051/6020	NA	None
Do	10	ATLAS MILL	<i>&gt;&gt;</i> .01000G	2/23/1777	WAILK	7440-22-4	Silvei	0.302		В		4/14/17/7	3031/0020	NA.	None
D6	10	SITE	99.01000G	2/25/1999	WATER	7440-23-5	Sodium	132000				4/15/1999	3051/6020	NA	None
D6	10	ATLAS MILL SITE	99.01000G	2/25/1999	WATER	7440-28-0	Thallium	0.508		В		4/14/1999	3051/6020	NA	None
D6	10	ATLAS MILL	99.010000	2/23/1999	WAIEK	/440-28-0	Hamum	0.508		Б		4/14/1999	3031/0020	NA	None
D6	10	SITE	99.01000G	2/25/1999	WATER	7440-62-2	Vanadium	2.43		В		4/14/1999	3051/6020	NA	None
D.C	10	ATLAS MILL	00.010000	2/25/1000	WATER	7440.66.6	<b>7</b> .	0.00		D.		4/14/1000	2051/6020	37.4	N.
D6	10	SITE ATLAS MILL	99.01000G	2/25/1999	WATER	7440-66-6	Zinc	9.99		В		4/14/1999	3051/6020	NA	None
D6	NS	SITE	99.01010J	2/25/1999	WATER	7429-90-5	Aluminum	29.6		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WATER	7440-36-0	Antimony	0.131		В		4/23/1999	3051/6020	NA	None
D6	NS	SITE	99.01010J	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WATER	7440-39-3	Barium	59		В		4/23/1999	3051/6020	NA	None
D6	NS	SITE	99.01010J	2/25/1999	WATER	7440-41-7	Beryllium	0.075		В		4/26/1999	3051/6020	NA	None
		ATLAS MILL				, , , , ,						= 0, -,,,			
D6	NS	SITE	99.01010J	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7440-70-2	Calcium	105000				4/23/1999	3051/6020	NA	None
В0	110	ATLAS MILL	77.010103	2/23/1777	WATER	7440 70 2	Curcium	103000				4/23/17/7	303170020	1421	rone
D6	NS	SITE	99.01010J	2/25/1999	WATER	7440-47-3	Chromium	1.04		В		4/23/1999	3051/6020	NA	None
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7440-48-4	Cobalt	0.564		В		4/23/1999	3051/6020	NA	None
100	IND	ATLAS MILL	55.01010J	4/43/1777	WAILK	/440-40-4	Cooan	0.504		В		4/23/1777	3031/0020	INA	NOHE
D6	NS	SITE	99.01010J	2/25/1999	WATER	7440-50-8	Copper	8.36		В		4/23/1999	3051/6020	NA	None
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7439-89-6	Iron	126				4/23/1999	3051/6020	NA	None
100	IND	ATLAS MILL	77.01010J	4/43/1777	WAILK	1437-07-0	11011	120				4/23/1777	3031/0020	INA	NOHE
D6	NS	SITE	99.01010J	2/25/1999	WATER	7439-92-1	Lead	1.43		В		5/13/1999	3051/6020	NA	None
De l	Ne	ATLAS MILL	99.01010J	2/25/1000	WATER	7439-95-4	Magnagine:	73600				4/23/1999	2051/6020	N/ A	None
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WAIEK	/439-93-4	Magnesium	/3000				4/23/1999	3051/6020	NA	None
D6	NS	SITE	99.01010J	2/25/1999	WATER	7439-96-5	Manganese	281				4/23/1999	3051/6020	NA	None
D(	NC	ATLAS MILL	00.010107	2/25/1000	WATER	7420.07.6		0.00		D		2/11/1000	7471 4	NIA	Nama
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WATER	7439-97-6	Mercury	0.08		В		3/11/1999	7471A	NA	None
D6	NS	SITE	99.01010J	2/25/1999	WATER	7440-02-0	Nickel	10.4		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
	311111 (11)						,.,	(Fg' 2)		7	Q				11101111000
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7440-09-7	Potassium	14800				4/23/1999	3051/6020	NA	None
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
D6	NS	ATLAS MILL SITE	99.01010J	2/25/1999	WATER	7440-23-5	Sodium	316000				4/23/1999	3051/6020	NA	None
		ATLAS MILL							T.T.						
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WATER	7440-28-0	Thallium	0.113	U	_		4/23/1999	3051/6020	NA	None
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WATER	7440-62-2	Vanadium	1.47		В		4/23/1999	3051/6020	NA	None
D6	NS	SITE ATLAS MILL	99.01010J	2/25/1999	WATER	7440-66-6	Zinc	17.5		В		4/23/1999	3051/6020	NA	None
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7429-90-5	Aluminum	29.2		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7440-36-0	Antimony	0.7		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7440-38-2	Arsenic	2.93		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7440-39-3	Barium	36.9		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7440-41-7	Beryllium	0.692		В		5/10/1999	3051/6020	NA	None
D6	Soil Pore	SITE	99.01190E	2/28/1999	WATER	7440-43-9	Cadmium	1.76		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-70-2	Calcium	518000				5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-47-3	Chromium	1.59		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-48-4	Cobalt	15.2		В		5/10/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-50-8	Copper	76.9				5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7439-89-6	Iron	387				5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7439-95-4	Magnesium	923000				5/10/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7439-96-5	Manganese	5850				5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-02-0	Nickel	58	-			5/10/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-09-7	Potassium	158000				5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7782-49-2	Selenium	7.3				5/3/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)	(	Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-23-5	Sodium	3520000				5/10/1999	3051/6020	NA	None
D6	Soil Pore	ATLAS MILL SITE	99.01190E	2/28/1999	WATER	7440-28-0	Thallium	0.665		В		5/3/1999	3051/6020	NA	None
		ATLAS MILL													
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7440-62-2	Vanadium	4.76		В		5/3/1999	3051/6020	NA	None
D6	Soil Pore	SITE ATLAS MILL	99.01190E	2/28/1999	WATER	7440-66-6	Zinc	92.3				5/3/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7429-90-5	Aluminum	15.7		В		4/23/1999	3051/6020	NA	None
D8	1	SITE	99.01008Q	2/25/1999	WATER	7440-36-0	Antimony	0.142		В		4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7440-38-2	Arsenic	0.62		В		4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7440-39-3	Barium	57.5		В		4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL													
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7440-70-2	Calcium	95500				4/23/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7440-47-3	Chromium	1.15		В		4/23/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7440-48-4	Cobalt	0.291		В		4/23/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7440-50-8	Copper	6.28		В		4/23/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7439-89-6	Iron	101				4/23/1999	3051/6020	NA	None
D8	1	SITE	99.01008Q	2/25/1999	WATER	7439-92-1	Lead	1.68		В		5/13/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7439-95-4	Magnesium	53500				4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7439-96-5	Manganese	169				4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7440-02-0	Nickel	7.48		В		4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL	99.01008Q			7440-02-0		10100		- D		4/23/1999			
		SITE ATLAS MILL	Ì	2/25/1999	WATER		Potassium			_		1	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7782-49-2	Selenium	2.29		В		4/23/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
D8	1	SITE ATLAS MILL	99.01008Q	2/25/1999	WATER	7440-23-5	Sodium	242000				4/23/1999	3051/6020	NA	None
D8	1	SITE	99.01008Q	2/25/1999	WATER	7440-28-0	Thallium	0.127		В		4/23/1999	3051/6020	NA	None
D8	1	ATLAS MILL SITE	99.01008Q	2/25/1999	WATER	7440-62-2	Vanadium	1.84		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D8	1	ATLAS MILL SITE	99.01008O	2/25/1999	WATER	7440-66-6	Zinc	33.8				4/23/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7429-90-5	Aluminum	21.2		В		4/14/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-36-0	Antimony	0.112		В		4/14/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-39-3	Barium	59.7		В		4/14/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-70-2	Calcium	88800				4/15/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-47-3	Chromium	1.69		В		4/14/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE	99.00993E	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
D8	5	ATLAS MILL SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-50-8	Copper	3.34		В		4/16/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7439-89-6	Iron	107				4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7439-92-1	Lead	0.384		В		4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7439-95-4	Magnesium	35700				4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7439-96-5	Manganese	61.2				4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-02-0	Nickel	6.95		В		4/15/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-09-7	Potassium	5830				4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-23-5	Sodium	160000				4/15/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-62-2	Vanadium	1.49		В		4/14/1999	3051/6020	NA	None
D8	5	SITE ATLAS MILL	99.00993E	2/25/1999	WATER	7440-66-6	Zinc	3.46		В		4/14/1999	3051/6020	NA	None
D8	10	SITE ATLAS MILL	99.00994F	2/25/1999	WATER	7429-90-5	Aluminum	23.2		В		4/14/1999	3051/6020	NA	None
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									`				
D8	10	SITE ATLAS MILL	99.00994F	2/25/1999	WATER	7440-38-2	Arsenic	1.69		В		4/14/1999	3051/6020	NA	None
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-39-3	Barium	60.8		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D8	10	ATLAS MILL SITE	99.00994F	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
В0	10	ATLAS MILL	33.003341	2/25/1777	WATER	7440 43 7	Cuamium	0.004				4/15/17/7	303170020	1421	rone
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-70-2	Calcium	86700				4/15/1999	3051/6020	NA	None
D0	10	ATLAS MILL	00.000045	2/25/1000	WATER	7440 47 3	a ·	1.66		D		4/14/1000	2051/6020	37.4	N
D8	10	SITE ATLAS MILL	99.00994F	2/25/1999	WATER	7440-47-3	Chromium	1.66		В		4/14/1999	3051/6020	NA	None
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-48-4	Cobalt	0.286		В		4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-50-8	Copper	1.74		В		4/16/1999	3051/6020	NA	None
D8	10	ATLAS MILL SITE	99.00994F	2/25/1999	WATER	7439-89-6	Iron	91.3		В		4/14/1999	3051/6020	NA	None
В0	10	ATLAS MILL	33.003341	2/25/1777	WATER	7437 67 0	non	71.5		В		4/14/17/7	303170020	1421	rone
D8	10	SITE	99.00994F	2/25/1999	WATER	7439-92-1	Lead	0.433		В		4/14/1999	3051/6020	NA	None
P.0	4.0	ATLAS MILL	00.000045	0/05/4000		#420.05.4		20000				4/4.4/4.000	2054 (5020		
D8	10	SITE ATLAS MILL	99.00994F	2/25/1999	WATER	7439-95-4	Magnesium	30000				4/14/1999	3051/6020	NA	None
D8	10	SITE	99.00994F	2/25/1999	WATER	7439-96-5	Manganese	24.9				4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D8	10	SITE	99.00994F	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D8	10	ATLAS MILL SITE	99.00994F	2/25/1999	WATER	7440-02-0	Nickel	7.28		В		4/15/1999	3051/6020	NA	None
Do	10	ATLAS MILL	77:007741	2/23/1777	WAILK	7440-02-0	IVICKCI	7.20		В		4/13/1777	3031/0020	NA	None
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-09-7	Potassium	4620		В		4/14/1999	3051/6020	NA	None
D0	10	ATLAS MILL	00.000045	2/25/1000	WATER	7702 40 2	G.1 :	7.00				4/14/1000	2051/6020	37.4	N
D8	10	SITE ATLAS MILL	99.00994F	2/25/1999	WATER	7782-49-2	Selenium	7.82				4/14/1999	3051/6020	NA	None
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-23-5	Sodium	135000				4/15/1999	3051/6020	NA	None
D8	10	ATLAS MILL SITE	99.00994F	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
	10	ATLAS MILL	77.007711	2/25/17//	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7110 20 0		0.113				1/11/1999	3001/0020	1111	rione
D8	10	SITE	99.00994F	2/25/1999	WATER	7440-62-2	Vanadium	1.29		В		4/14/1999	3051/6020	NA	None
D8	10	ATLAS MILL SITE	99.00994F	2/25/1999	WATER	7440-66-6	7ina	14.4		В		4/14/1999	3051/6020	NA	None
108	10	ATLAS MILL	99.00994F	2/25/1999	WAIEK	/440-00-0	Zinc	14.4		В		4/14/1999	3031/0020	NA	None
D8	NS	SITE	99.00995G	2/25/1999	WATER	7429-90-5	Aluminum	14.6		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
D8	NS	ATLAS MILL SITE	99.00995G	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
	- 12	ATLAS MILL							-						
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-39-3	Barium	59.1		В		4/14/1999	3051/6020	NA	None
D8	NS	ATLAS MILL SITE	99.00995G	2/25/1999	WATER	7440-41-7	Boryllium	0.0632	U			4/16/1999	3051/6020	N/A	None
Do	GNI	SHE	99.009930	4/43/1999	WAIEK	/440-41-/	Beryllium	0.0032	U			4/10/1999	3031/0020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
Cheme Sumple 12.	51. u.u. (.u.)	Trojecertamen		Date Concettur	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Cras rumber	· · · · · · · · · · · · · · · · · · ·	Concentration (µg/2)		<u> </u>	Q	Dute Hangzeu		Texture.	711111111111111111111111111111111111111
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	99.00995G	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-70-2	Calcium	93400				4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	99.00995G	2/25/1999	WATER	7440-47-3	Chromium	1.05		В		4/14/1999	3051/6020	NA	None
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/15/1999	3051/6020	NA	None
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	99.00995G	2/25/1999	WATER	7440-50-8	Copper	3.84		В		4/16/1999	3051/6020	NA	None
D8	NS	SITE	99.00995G	2/25/1999	WATER	7439-89-6	Iron	90		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	99.00995G	2/25/1999	WATER	7439-92-1	Lead	0.215		В		4/14/1999	3051/6020	NA	None
D8	NS	SITE	99.00995G	2/25/1999	WATER	7439-95-4	Magnesium	48300				4/14/1999	3051/6020	NA	None
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	99.00995G	2/25/1999	WATER	7439-96-5	Manganese	169				4/14/1999	3051/6020	NA	None
D8	NS	SITE	99.00995G	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
		ATLAS MILL						****				0,10,12,7	,,,,,,,		.,,,,,,
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-02-0	Nickel	11.7		В		4/15/1999	3051/6020	NA	None
D8	NS	ATLAS MILL SITE	99.00995G	2/25/1999	WATER	7440-09-7	Potassium	9640				4/14/1999	3051/6020	NA	None
20	110	ATLAS MILL	33.00330	2/20/17/7	WILLER	7110 05 7	1 ottaborani	70.10				0.1.0.1555	3001/0020	1,11	110110
D8	NS	SITE	99.00995G	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
D8	NS	ATLAS MILL SITE	99.00995G	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
B0	110	ATLAS MILL	77.00773G	2/23/1777	WITTER	7440 22 4	Sirver	0.203				4/14/1///	303170020	1421	rone
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-23-5	Sodium	239000				4/15/1999	3051/6020	NA	None
D8	NS	ATLAS MILL SITE	99.00995G	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
В0	110	ATLAS MILL	77.00773G	2/23/1777	WITTER	7440 20 0	Thumum	0.113				4/14/1///	303170020	1421	rone
D8	NS	SITE	99.00995G	2/25/1999	WATER	7440-62-2	Vanadium	1.44		В		4/14/1999	3051/6020	NA	None
D8	NS	ATLAS MILL SITE	99.00995G	2/25/1999	WATER	7440-66-6	Zinc	16.3		В		4/14/1999	3051/6020	NA	None
В0	110	ATLAS MILL	77.00773G	2/23/1777	WITTER	7440 00 0	Zinc	10.5		Б		4/14/1///	303170020	1421	rone
D8	Soil Pore	SITE	99.01214V	2/28/1999	WATER	7429-90-5	Aluminum	38.9		В		5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-36-0	Antimony	0.132		В		5/3/1999	3051/6020	NA	None
Bo	Son Fore	ATLAS MILL	)).01214 <b> (</b>	2/20/1777	WITTER	7440 30 0	7 thumony	0.132		Б		5/5/1777	303170020	1421	rone
D8	Soil Pore	SITE	99.01214V	2/28/1999	WATER	7440-38-2	Arsenic	0.327	U			5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-39-3	Barium	68.5		В		5/3/1999	3051/6020	NA	None
20	DON 1 OIC	ATLAS MILL	)).01214 V	2/20/1///	11.11 LIX	1770-37-3	Darium	00.5				5/5/1777	5051/0020	11/1	110110
D8	Soil Pore	SITE	99.01214V	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-43-9	Cadmium	0.135		В		5/3/1999	3051/6020	NA	None
100	3011 1 010	ATLAS MILL	)).01214V	2/20/1///	WAILK	/440-43-9	Caumuili	0.133		ь		3/3/1///	3031/0020	11A	None
D8	Soil Pore	SITE	99.01214V	2/28/1999	WATER	7440-70-2	Calcium	108000				5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-47-3	Chromium	0.908		В		5/3/1999	3051/6020	NA	None
אַט	Son Pore	SHE	77.U1414 V	4/40/1999	WAIEK	/++0-4/-3	Cinolillum	0.708		Д		3/3/1999	3031/0020	INA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAPEL C. I												
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-48-4	Cobalt	0.369		В		5/10/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-50-8	Copper	30.9				5/10/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7439-89-6	Iron	123				5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7439-95-4	Magnesium	40700				5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7439-96-5	Manganese	623				5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-02-0	Nickel	17.8		В		5/10/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-09-7	Potassium	8300				5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7782-49-2	Selenium	1.63	U			5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-23-5	Sodium	196000				5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-28-0	Thallium	1.03		В		5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-62-2	Vanadium	2.07		В		5/3/1999	3051/6020	NA	None
D8	Soil Pore	ATLAS MILL SITE	99.01214V	2/28/1999	WATER	7440-66-6	Zinc	16.8		В		5/3/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7429-90-5	Aluminum	23.7		В		4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-39-3	Barium	59.3		В		4/14/1999	3051/6020	NA	None
D10	1	SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D10	1	SITE	99.00996Н	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-70-2	Calcium	86900				4/15/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-47-3	Chromium	1.27		В		4/14/1999	3051/6020	NA	None
D10	1	SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-48-4	Cobalt	0.326		В		4/15/1999	3051/6020	NA	None
D10	1	SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-50-8	Copper	2.15		В		4/16/1999	3051/6020	NA	None
D10	1	SITE	99.00996Н	2/25/1999	WATER	7439-89-6	Iron	90.3		В		4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b>	s Q	Date Analyzed	Method	Texture:	Artifacts:
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7439-92-1	Lead	0.259		В		4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7439-95-4	Magnesium	34500				4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7439-96-5	Manganese	66				4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-02-0	Nickel	7.87		В		4/15/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-09-7	Potassium	5980				4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE	99.00996Н	2/25/1999	WATER	7440-23-5	Sodium	162000				4/15/1999	3051/6020	NA	None
D10	1	ATLAS MILL SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
D10	1	SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-62-2	Vanadium	1.49		В		4/14/1999	3051/6020	NA	None
D10	1	SITE ATLAS MILL	99.00996Н	2/25/1999	WATER	7440-66-6	Zinc	27.6				4/14/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7429-90-5	Aluminum	20.5		В		4/14/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-38-2	Arsenic	0.931		В		4/14/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-39-3	Barium	61.4		В		4/14/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/16/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-70-2	Calcium	83900		_		4/15/1999	3051/6020	NA	None
D10	5	SITE ATLAS MILL	99.00997J	2/25/1999	WATER	7440-47-3	Cabalt	1.76		В		4/14/1999	3051/6020	NA NA	None
D10	5	SITE ATLAS MILL SITE	99.00997J 99.00997J	2/25/1999	WATER	7440-48-4	Cobalt	0.185		В		4/15/1999	3051/6020	NA NA	None
D10	5	SITE ATLAS MILL SITE	99.00997J 99.00997J	2/25/1999	WATER WATER	7440-50-8 7439-89-6	Copper	98.5		В		4/16/1999	3051/6020 3051/6020	NA NA	None None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7439-89-6	Lead	0.295		В		4/14/1999	3051/6020	NA NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7439-95-4	Magnesium	35100		<u> </u>		4/14/1999	3051/6020	NA NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7439-96-5	Manganese	53.3				4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7439-97-6	Mercury	0.05	U		·	3/10/1999	7471A	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-02-0	Nickel	3.77		В		4/15/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-09-7	Potassium	5790				4/14/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7782-49-2	Selenium	3.63		В		4/14/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-23-5	Sodium	148000				4/15/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-62-2	Vanadium	1.56		В		4/14/1999	3051/6020	NA	None
D10	5	ATLAS MILL SITE	99.00997J	2/25/1999	WATER	7440-66-6	Zinc	37				4/14/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7429-90-5	Aluminum	21.1		В		4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-36-0	Antimony	0.077		В		4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-39-3	Barium	59.1		В		4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-70-2	Calcium	83700				4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7440-47-3	Chromium	1.4		В		4/23/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7440-48-4	Cobalt	0.136		В		4/23/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7440-50-8	Copper	3.56		В		4/23/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7439-89-6	Iron	99.7		В		4/23/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7439-92-1	Lead	1.45		В		5/13/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7439-95-4	Magnesium	32200				4/23/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7439-96-5	Manganese	25.4				4/23/1999	3051/6020	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D10	10	SITE ATLAS MILL	99.01009R	2/25/1999	WATER	7440-02-0	Nickel	7.92		В		4/23/1999	3051/6020	NA	None
D10	10	SITE	99.01009R	2/25/1999	WATER	7440-09-7	Potassium	4670		В		4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									_				
D10	10	SITE	99.01009R	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL	7,11,1	2,20,1,7,7		7.14 == 1		V.=VV							
D10	10	SITE	99.01009R	2/25/1999	WATER	7440-23-5	Sodium	129000				4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												
D10	10	SITE	99.01009R	2/25/1999	WATER	7440-62-2	Vanadium	1.58		В		4/23/1999	3051/6020	NA	None
D10	10	ATLAS MILL SITE	99.01009R	2/25/1999	WATER	7440-66-6	Zinc	52.9				4/23/1999	3051/6020	NA	None
		ATLAS MILL	7,11,1	2,20,1,7,7		711000		4-1/							
D10	NS	SITE	99.01007P	2/25/1999	WATER	7429-90-5	Aluminum	21.7		В		4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-36-0	Antimony	0.107		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,20,1,7,7											
D10	NS	SITE	99.01007P	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-39-3	Barium	58.6		В		4/23/1999	3051/6020	NA	None
510	110	ATLAS MILL	33.010071	2/20/1///	WILLER	7110 37 3	Darram	20.0				1/23/17/7	3001/0020	1,11	110110
D10	NS	SITE	99.01007P	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
D10	110	ATLAS MILL	33.010071	2/23/1777	WHILK	7440 45 7	Cuaman	0.004				4/23/17/7	303170020	11/1	rone
D10	NS	SITE	99.01007P	2/25/1999	WATER	7440-70-2	Calcium	94700				4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-47-3	Chromium	3.81		В		4/23/1999	3051/6020	NA	None
D10	110	ATLAS MILL	33.010071	2/23/1777	WHILK	7440 47 3	Cirolingiii	5.01		В		4/23/17/7	303170020	11/1	rone
D10	NS	SITE	99.01007P	2/25/1999	WATER	7440-48-4	Cobalt	0.376		В		4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-50-8	Copper	6.36		В		4/23/1999	3051/6020	NA	None
D10	110	ATLAS MILL	)).0100/1	2/23/1777	WATER	7440 30 0	Соррег	0.50		Б		4/23/17/7	303170020	1421	rone
D10	NS	SITE	99.01007P	2/25/1999	WATER	7439-89-6	Iron	125				4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7439-92-1	Lead	2.65		В		5/13/1999	3051/6020	NA	None
D10	110	ATLAS MILL	)).0100/1	2/23/1777	WATER	1437 72 1	Loud	2.03		В		3/13/17/7	303170020	1421	rone
D10	NS	SITE	99.01007P	2/25/1999	WATER	7439-95-4	Magnesium	54400				4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7439-96-5	Manganese	197				4/23/1999	3051/6020	NA	None
2.0	110	ATLAS MILL	>>.0100,1	2,20,1777	***************************************	7.57 70 3	- Tungunese	.,,					3031,0020	1111	110110
D10	NS	SITE	99.01007P	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-02-0	Nickel	14.5		В		4/23/1999	3051/6020	NA	None
270	1.10	ATLAS MILL	>>.0100/1	2,20,1777	ILIC	7.1.0 02 0	1,10001	17.5				25, 1777	3031,0020	11/1	1.0110
D10	NS	SITE	99.01007P	2/25/1999	WATER	7440-09-7	Potassium	10400				4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
270	1.10	ATLAS MILL	>>.0100/1	2,20,1777	ILIC	7,02 77 2	Seremani	1.03				25, 1777	3031,0020	1,71	1.0110
D10	NS	SITE	99.01007P	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-23-5	Sodium	246000				4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

	5( ( ( )	D. C. AV	NAREL Sample	D. C. I.	<b>M</b>	GAS V. J.				0 115		D. A. I. I.		T	:e
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	Q	Date Analyzed	Method	Texture:	Artifacts:
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-28-0	Thallium	0.126		В		4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-62-2	Vanadium	1.49		В		4/23/1999	3051/6020	NA	None
D10	NS	ATLAS MILL SITE	99.01007P	2/25/1999	WATER	7440-66-6	Zinc	58				4/23/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7429-90-5	Aluminum	38.9		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-36-0	Antimony	0.132		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-38-2	Arsenic	0.327	U			5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-39-3	Barium	68.5		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-43-9	Cadmium	0.135		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-70-2	Calcium	108000				5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-47-3	Chromium	0.908		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-48-4	Cobalt	0.369		В		5/10/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-50-8	Copper	30.9				5/10/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7439-89-6	Iron	123				5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7439-95-4	Magnesium	40700				5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7439-96-5	Manganese	623				5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-02-0	Nickel	17.8		В		5/10/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-09-7	Potassium	8300				5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7782-49-2	Selenium	1.63	U			5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-23-5	Sodium	196000				5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-28-0	Thallium	1.03		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-62-2	Vanadium	2.07		В		5/3/1999	3051/6020	NA	None
D10	Soil Pore	ATLAS MILL SITE	99.01215W	2/28/1999	WATER	7440-66-6	Zinc	16.8		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7429-90-5	Aluminum	11.5		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-36-0	Antimony	0.083		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-38-2	Arsenic	0.414		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-39-3	Barium	0.163		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-43-9	Cadmium	0.064	U			5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-70-2	Calcium	37.6		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-47-3	Chromium	4.11		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-48-4	Cobalt	0.0995	U			5/10/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7440-50-8	Copper	0.108	U			5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7439-89-6	Iron	21.3		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7439-95-4	Magnesium	14.8		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7439-96-5	Manganese	1.56		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900008	NA	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
Method Blank	NA	ATLAS MILL SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-02-0	Nickel	0.862	U			5/10/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-09-7	Potassium	31.1		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7782-49-2	Selenium	3.54		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-23-5	Sodium	17.7		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-28-0	Thallium	0.746		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-62-2	Vanadium	0.113	U			5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900008	NA	WATER	7440-66-6	Zinc	0.652		В		5/3/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900007	NA	WATER	7429-90-5	Aluminum	23.8		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900007	NA	WATER	7440-36-0	Antimony	0.0729	U			4/23/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-38-2	Arsenic	0.327	U			4/23/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
Chefit Sample 1D.	Strata (III)	Troject Name.	#•	Date Collected.	Matrix.	CAS Number	Analyte	Concentration (µg/L)		C	Q	Date Allaryzeu	Methou	rexture.	Artifacts.
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-39-3	Barium	0.345		В		4/23/1999	3051/6020	NA	None
M d IDI I	37.4	ATLAS MILL	DDI 1/0000007	27.4	WATED.	7440 41 7	D 11:	0.0622	* 1			4/26/1000	2051/6020	27.4	N
Method Blank	NA	SITE ATLAS MILL	RBLK9900007	NA	WATER	7440-41-7	Beryllium	0.0632	U			4/26/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-43-9	Cadmium	0.064	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-70-2	Calcium	19.1		В		4/23/1999	3051/6020	NA	None
Mathad Dlauls	NIA	ATLAS MILL	DDI 1/0000007	NIA	WATER	7440 47 2	Chromism	0.16		В		4/23/1999	2051/6020	NI A	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900007	NA	WATER	7440-47-3	Chromium	0.16		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-48-4	Cobalt	0.0995	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-50-8	Copper	0.347		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900007	NA	WATER	7439-89-6	Iron	26.3		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL	KBLK990000/	NA	WATER	/439-89-0	Iron	20.3		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7439-92-1	Lead	2.06		В		5/13/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7439-95-4	Magnesium	27.5		В		4/23/1999	3051/6020	NA	None
Made at Diant	NIA	ATLAS MILL	DDI 1/0000007	NIA	WATED	7420.06.5	M	0.210		D		4/22/1000	2051/6020	NI A	None
Method Blank	NA	SITE ATLAS MILL	RBLK9900007	NA	WATER	7439-96-5	Manganese	0.319		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
		ATLAS MILL					-								
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-02-0	Nickel	6.55		В		4/23/1999	3051/6020	NA	None
Method Blank	NIA	ATLAS MILL SITE	RBLK9900007	NIA	WATER	7440-09-7	Determina	47.7		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL	KBLK9900007	NA	WAIEK	/440-09-/	Potassium	47.7		Б		4/23/1999	3031/0020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7782-49-2	Selenium	1.63	U			4/23/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-22-4	Silver	0.205	U			4/23/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900007	NA	WATER	7440-23-5	Sodium	48.4		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL	KBLK9900007	INA	WAIEK	/440-23-3	Souluiii	40.4		Б		4/23/1999	3031/0020	NA	None
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-28-0	Thallium	0.144		В		4/23/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900007	NA	WATER	7440-62-2	Vanadium	0.203		В		4/23/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900007	NA	WATER	7440-66-6	Zinc	2.82		В		4/23/1999	3051/6020	NA	None
Wichiod Diank	NA	ATLAS MILL	KBLK//0000/	INA	WATER	7440-00-0	Zinc	2.02		В		4/23/17/7	3031/0020	IVA	None
Method blank	NA	SITE	RBLK990000	NA	WATER	7429-90-5	Aluminum	20.6		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
Method blank	NA	ATLAS MILL SITE	RBLK990000	NA	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
Wichiod Dialik	IVA	ATLAS MILL	KDLK550000	INA	WAILK	/440-30-2	AISTIIL	0.321	U	1		7/17/1777	3031/0020	11/1	INOHE
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-39-3	Barium	0.107		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
Method blank	NA	ATLAS MILL SITE	RBLK990000	NA	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
iviculou blank	INA	SHE	KDLK770000	INA	WAILK	/440-43-9	Caumuili	0.004	U			4/13/1777	3031/0020	INA	INOIIC

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									`				
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-70-2	Calcium	361		В		4/14/1999	3051/6020	NA	None
Made diblook	NIA	ATLAS MILL SITE	DDI 1/000000	NIA	WATED	7440-47-3	Cl	0.116		В		4/14/1000	3051/6020	NI A	N.
Method blank	NA	ATLAS MILL	RBLK990000	NA	WATER	/440-47-3	Chromium	0.110		Б		4/14/1999	3031/0020	NA	None
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-48-4	Cobalt	0.0995	U			4/14/1999	3051/6020	NA	None
	3	ATLAS MILL	DDI WARANA	37.1		### ## FO O		0.00		1		4/4.4/4.000	2051/5020		
Method blank	NA	SITE ATLAS MILL	RBLK990000	NA	WATER	7440-50-8	Copper	0.29		В		4/14/1999	3051/6020	NA	None
Method blank	NA	SITE	RBLK990000	NA	WATER	7439-89-6	Iron	24.8		В		4/14/1999	3051/6020	NA	None
		ATLAS MILL													
Method blank	NA	SITE	RBLK990000	NA	WATER	7439-92-1	Lead	0.13		В		4/14/1999	3051/6020	NA	None
Method blank	NA	ATLAS MILL SITE	RBLK990000	NA	WATER	7439-95-4	Magnesium	28		В		4/14/1999	3051/6020	NA	None
Mediod Statut	.,,,	ATLAS MILL	TABLET, 70000	1,11	,,,,,,,	7137 73 1	magnesiam	20					3001/0020	1,11	110110
Method blank	NA	SITE	RBLK990000	NA	WATER	7439-96-5	Manganese	0.225	U			4/14/1999	3051/6020	NA	None
Method blank	NA	ATLAS MILL SITE	RBLK990000	NA	WATER	7439-97-6	Mercury	0.05	U			03/10/998	7471A	NA	None
Wethod blank	NA	ATLAS MILL	KBLK990000	NA	WAILK	7439-97-0	Wiercury	0.03	U			03/10/998	/4/1A	NA	None
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-02-0	Nickel	0.862	U			4/14/1999	3051/6020	NA	None
	3	ATLAS MILL	DDI WARANA	37.1						1		4/4.4/4.000	2051/5020		
Method blank	NA	SITE ATLAS MILL	RBLK990000	NA	WATER	7440-09-7	Potassium	57.4		В		4/14/1999	3051/6020	NA	None
Method blank	NA	SITE	RBLK990000	NA	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
		ATLAS MILL													
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
Method blank	NA	ATLAS MILL SITE	RBLK990000	NA	WATER	7440-23-5	Sodium	40.7		В		4/14/1999	3051/6020	NA	None
Mediod Omine		ATLAS MILL	TEDESTE 9 0000	1,11	WILLIAM	7110 23 3	Sourani	10.7				0.1.0.1555	3001/0020	1,11	110110
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
Method blank	NA	ATLAS MILL SITE	RBLK990000	NA	WATER	7440-62-2	Vanadium	0.199		В		4/14/1999	3051/6020	NA	None
Wethod blank	NA	ATLAS MILL	KBLK990000	NA	WAILK	7440-02-2	v anaurum	0.133		ь		4/14/1999	3031/0020	NA	None
Method blank	NA	SITE	RBLK990000	NA	WATER	7440-66-6	Zinc	7.82		В		4/14/1999	3051/6020	NA	None
PROCEDURE	37.4	ATLAS MILL	00.011026	2/20/1000	WATER	7420.00.5	41 .	15.0		D.		5/2/1000	2051/6020	37.4	<b>N</b>
BLANK PROCEDURE	NA	SITE ATLAS MILL	99.01192G	2/28/1999	WATER	7429-90-5	Aluminum	15.2		В		5/3/1999	3051/6020	NA	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-36-0	Antimony	0.0729	U			5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK PROCEDURE	NA	SITE ATLAS MILL	99.01192G	2/28/1999	WATER	7440-38-2	Arsenic	0.327	U			5/3/1999	3051/6020	NA	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-39-3	Barium	1.35		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
PROCEDURE BLANK	NA	ATLAS MILL SITE	99.01192G	2/28/1999	WATER	7440-43-9	Cadmium	0.064	U			5/3/1999	3051/6020	NA	None
PROCEDURE	. 1	ATLAS MILL	)).U11)23	2,20,1222		71.0.57	Judinidili	0.001				5,5,1,7,7	3021,0020	1111	110110
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-70-2	Calcium	521		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK	NA	ATLAS MILL SITE	99.01192G	2/28/1999	WATER	7440-47-3	Chromium	0.355		В		5/3/1999	3051/6020	NA	None
PROCEDURE	INA	ATLAS MILL	77.01172G	2/20/1777	WAILK	/440-47-3	Cinomium	0.333		ь		3/3/1777	3031/0020	IVA	INOHE
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-48-4	Cobalt	0.0995	U			5/10/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (μg/L)		Qualifier	s O	Date Analyzed	Method	Texture:	Artifacts:
PROCEDURE		ATLAS MILL													
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-50-8	Copper	3.41		В		5/10/1999	3051/6020	NA	None
PROCEDURE BLANK	NA	ATLAS MILL SITE	99.01192G	2/28/1999	WATER	7439-89-6	Iron	71.8		В		5/3/1999	3051/6020	NA	None
PROCEDURE	NA	ATLAS MILL	)).011)2G	2/26/1777	WAILK	7437-87-0	HOH	71.0		В		3/3/1///	3031/0020	NA.	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
PROCEDURE	NIA	ATLAS MILL	00.011026	2/28/1000	WATED	7420.05.4	Maanaainm	179		В		5/2/1000	2051/6020	NIA	None
BLANK PROCEDURE	NA	SITE ATLAS MILL	99.01192G	2/28/1999	WATER	7439-95-4	Magnesium	179		В		5/3/1999	3051/6020	NA	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7439-96-5	Manganese	8.81		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK PROCEDURE	NA	SITE ATLAS MILL	99.01192G	2/28/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-02-0	Nickel	4.51		В		5/10/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-09-7	Potassium	61.1		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK	NA	ATLAS MILL SITE	99.01192G	2/28/1999	WATER	7782-49-2	Selenium	1.74		В		5/3/1999	3051/6020	NA	None
PROCEDURE	1171	ATLAS MILL	)).011)2G	2/20/1999	WATER	1102 49 2	Sciemum	1.74		В		5/5/1777	303170020	1421	rone
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
PROCEDURE	NIA	ATLAS MILL SITE	00.011026	2/28/1000	WATED	7440.22.5	C - 41	1260		D		5/2/1000	2051/6020	NIA	N
BLANK PROCEDURE	NA	ATLAS MILL	99.01192G	2/28/1999	WATER	7440-23-5	Sodium	1260		В		5/3/1999	3051/6020	NA	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-28-0	Thallium	1.15		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK PROCEDURE	NA	SITE ATLAS MILL	99.01192G	2/28/1999	WATER	7440-62-2	Vanadium	0.807		В		5/3/1999	3051/6020	NA	None
BLANK	NA	SITE	99.01192G	2/28/1999	WATER	7440-66-6	Zinc	0.891		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7429-90-5	Aluminum	8.14		В		4/14/1999	3051/6020	NA	None
PROCEDURE BLANK #1	NA	ATLAS MILL SITE	99.00991C	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			4/14/1999	3051/6020	NA	None
PROCEDURE	1171	ATLAS MILL	77.007710	2/23/1777	WATER	7440 30 0	runnony	0.0727				4/14/1///	303170020	1421	rone
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			4/14/1999	3051/6020	NA	None
PROCEDURE BLANK #1	NA	ATLAS MILL SITE	99.00991C	2/25/1999	WATER	7440-39-3	Barium	1.54		В		4/14/1999	3051/6020	NA	None
PROCEDURE	NA	ATLAS MILL	99.009910	2/23/1999	WAIEK	/440-39-3	Dariulli	1.34		ь		4/14/1999	3031/0020	NA	None
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			4/15/1999	3051/6020	NA	None
PROCEDURE	NA	ATLAS MILL	00.000016	2/25/1000	WATER	7440 42.0	Codmin	0.064				4/15/1000	2051/6020	NIA	Nama
BLANK #1 PROCEDURE	NA	SITE ATLAS MILL	99.00991C	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			4/15/1999	3051/6020	NA	None
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-70-2	Calcium	197		В		4/14/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #1 PROCEDURE	NA	SITE ATLAS MILL	99.00991C	2/25/1999	WATER	7440-47-3	Chromium	2.51		В		4/14/1999	3051/6020	NA	None
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			4/14/1999	3051/6020	NA	None
PROCEDURE	*	ATLAS MILL												-	
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-50-8	Copper	1.27		В		4/14/1999	3051/6020	NA	None
PROCEDURE BLANK #1	NA	ATLAS MILL SITE	99.00991C	2/25/1999	WATER	7439-89-6	Iron	29.5		В		4/14/1999	3051/6020	NA	None
PROCEDURE	11/1	ATLAS MILL	77.007710	2(20)1///	**************************************	1-32-02-0	11011	27.3		۵		7/17/1///	3031/0020	11/1	110110
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7439-92-1	Lead	0.377		В		4/14/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	Q	Date Analyzed	Method	Texture:	Artifacts:
PROCEDURE		ATLAS MILL									Ì				
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7439-95-4	Magnesium	53.8		В		4/14/1999	3051/6020	NA	None
PROCEDURE BLANK #1	NA	ATLAS MILL SITE	99.00991C	2/25/1999	WATER	7439-96-5	Manganese	0.922		В		4/14/1999	3051/6020	NA	None
PROCEDURE	NA	ATLAS MILL	99.00991C	2/23/1999	WAIEK	7439-90-3	Manganese	0.922		Б		4/14/1999	3031/0020	NA	None
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/10/1999	7471A	NA	None
PROCEDURE		ATLAS MILL													
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-02-0	Nickel	0.862	U			4/14/1999	3051/6020	NA	None
PROCEDURE BLANK #1	NA	ATLAS MILL SITE	99.00991C	2/25/1999	WATER	7440-09-7	Potassium	38.1		В		4/14/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL	77.007710	2/20/1///	WILLIE	7110 05 7	1 ottoorani	30.1					3001/0020	1,111	Tione
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			4/14/1999	3051/6020	NA	None
PROCEDURE	27.4	ATLAS MILL	00 000010	2/25/1000	WATER	7440.22.4	0.1	0.205	**			4/1.4/1.000	2051/6020	27.4	N
BLANK #1 PROCEDURE	NA	SITE ATLAS MILL	99.00991C	2/25/1999	WATER	7440-22-4	Silver	0.205	U			4/14/1999	3051/6020	NA	None
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-23-5	Sodium	152		В		4/14/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-28-0	Thallium	0.113	U			4/14/1999	3051/6020	NA	None
PROCEDURE BLANK #1	NA	ATLAS MILL SITE	99.00991C	2/25/1999	WATER	7440-62-2	Vanadium	0.274		В		4/14/1999	3051/6020	NA	None
PROCEDURE	INA	ATLAS MILL	77.007710	2/23/17/7	WAILK	7440-02-2	vanadium	0.274		В		4/14/1999	3031/0020	IVA	None
BLANK #1	NA	SITE	99.00991C	2/25/1999	WATER	7440-66-6	Zinc	3.77		В		4/14/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL								_					
BLANK #2 PROCEDURE	NA	SITE ATLAS MILL	99.01027U	2/25/1999	WATER	7429-90-5	Aluminum	3.89		В		5/3/1999	3051/6020	NA	None
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-38-2	Arsenic	0.327	U			5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #2	NA	ATLAS MILL SITE	99.01027U	2/25/1999	WATER	7440-39-3	Barium	0.321		В		5/3/1999	3051/6020	NA	None
PROCEDURE	INA	ATLAS MILL	99.010270	2/23/1999	WATER	/440-39-3	Darium	0.321		ь		3/3/1999	3031/0020	NA	None
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #2 PROCEDURE	NA	SITE ATLAS MILL	99.01027U	2/25/1999	WATER	7440-43-9	Cadmium	0.064	U			5/3/1999	3051/6020	NA	None
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-70-2	Calcium	118		В		5/3/1999	3051/6020	NA	None
PROCEDURE	- 1112	ATLAS MILL	)).0102/C	2/20/1///	WILLIE	7110702	Curerum	110				5/5/1777	3001/0020	1111	110110
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-47-3	Chromium	0.585		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #2	NA	ATLAS MILL SITE	99.01027U	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			5/10/1999	3051/6020	NA	None
PROCEDURE	INA	ATLAS MILL	99.010270	4/43/1999	WAIEK	/440-48-4	Cooait	0.0993	U	<del>                                     </del>		3/10/1999	3031/0020	INA	попе
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-50-8	Copper	0.108	U	L_		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #2	NA	SITE ATLAS MILL	99.01027U	2/25/1999	WATER	7439-89-6	Iron	20.4		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
PROCEDURE	* 11. *	ATLAS MILL	33.010273	2/20/1///		, 137 72 1	Louis	0.07.13				5,5,1,7,7	3021,0020	1111	110110
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7439-95-4	Magnesium	80.9		В		5/3/1999	3051/6020	NA	None
PROCEDURE	NIA	ATLAS MILL	00.010271	2/25/1000	WATER	7420.06.5	M	2.42		D.		5/2/1000	2051/6020	NI A	None
BLANK #2 PROCEDURE	NA	SITE ATLAS MILL	99.01027U	2/25/1999	WATER	7439-96-5	Manganese	2.43		В		5/3/1999	3051/6020	NA	None
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

			NAREL Sample												
Client Sample ID:	Strata (m)	Project Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		Qualifier	s 0	Date Analyzed	Method	Texture:	Artifacts:
PROCEDURE		ATLAS MILL									Ì				
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-02-0	Nickel	2.05		В		5/10/1999	3051/6020	NA	None
PROCEDURE BLANK #2	NA	ATLAS MILL SITE	99.01027U	2/25/1999	WATER	7440-09-7	Potassium	43.9		В		5/3/1999	3051/6020	NA	None
PROCEDURE	INA	ATLAS MILL	99.010270	2/23/1999	WAILK	/440-09-7	rotassiuiii	43.7		ь		3/3/1999	3031/0020	IVA	None
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7782-49-2	Selenium	1.63	U			5/3/1999	3051/6020	NA	None
PROCEDURE	37.4	ATLAS MILL	00.0102711	2/25/1000	WATER	7440.22.4	0.1	0.205	* 1			5/2/1000	2051/6020	27.4	<b>N</b>
BLANK #2 PROCEDURE	NA	SITE ATLAS MILL	99.01027U	2/25/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-23-5	Sodium	340		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-28-0	Thallium	1.16		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #2	NA	ATLAS MILL SITE	99.01027U	2/25/1999	WATER	7440-62-2	Vanadium	0.633		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #2	NA	SITE	99.01027U	2/25/1999	WATER	7440-66-6	Zinc	0.995		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #3	NA	ATLAS MILL SITE	99.01028V	2/25/1999	WATER	7429-90-5	Aluminum	1.92	U			5/3/1999	3051/6020	NA	None
PROCEDURE	NA	ATLAS MILL	77.01028 V	2(23/1777	WAILK	1427-70-3	Atummum	1.72	- 0			3/3/1777	3031/0020	NA.	None
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-36-0	Antimony	0.0729	U			5/3/1999	3051/6020	NA	None
PROCEDURE	37.4	ATLAS MILL	00.0102017	2/25/1000	WATER	7440 20 2		0.404		D.		5/2/1000	2051/6020	27.4	N.
BLANK #3 PROCEDURE	NA	SITE ATLAS MILL	99.01028V	2/25/1999	WATER	7440-38-2	Arsenic	0.404		В		5/3/1999	3051/6020	NA	None
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-39-3	Barium	0.38		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #3 PROCEDURE	NA	SITE ATLAS MILL	99.01028V	2/25/1999	WATER	7440-41-7	Beryllium	0.0632	U			5/10/1999	3051/6020	NA	None
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-43-9	Cadmium	0.066		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-70-2	Calcium	118		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #3	NA	ATLAS MILL SITE	99.01028V	2/25/1999	WATER	7440-47-3	Chromium	0.843		В		5/3/1999	3051/6020	NA	None
PROCEDURE	NA	ATLAS MILL	77.01028 V	2(23/1777	WAILK	7440-47-3	Cinomium	0.043		В		3/3/1777	3031/0020	NA	None
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-48-4	Cobalt	0.0995	U			5/10/1999	3051/6020	NA	None
PROCEDURE BLANK #3	NIA	ATLAS MILL SITE	99.01028V	2/25/1999	WATED	7440-50-8	C	0.100				5/3/1999	3051/6020	NIA	N
PROCEDURE	NA	ATLAS MILL	99.01028V	2/25/1999	WATER	/440-30-8	Copper	0.108	U			3/3/1999	3051/6020	NA	None
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7439-89-6	Iron	21.7		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL	00.04.0201	2/25/4000		7.120.02 f		0.0549				5/2/4000	2051/5025	27.1	
BLANK #3 PROCEDURE	NA	SITE ATLAS MILL	99.01028V	2/25/1999	WATER	7439-92-1	Lead	0.0743	U			5/3/1999	3051/6020	NA	None
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7439-95-4	Magnesium	70.6		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7439-96-5	Manganese	2.51		В		5/3/1999	3051/6020	NA	None
PROCEDURE BLANK #3	NA	ATLAS MILL SITE	99.01028V	2/25/1999	WATER	7439-97-6	Mercury	0.05	U			3/11/1999	7471A	NA	None
PROCEDURE	. 11. 2	ATLAS MILL	>>.01020 f	2/20/1///		7.57 77 0		0.00				3,11,1777	, , , , , , ,	1111	110110
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-02-0	Nickel	3.43		В		5/10/1999	3051/6020	NA	None
PROCEDURE BLANK #3	NA	ATLAS MILL SITE	99.01028V	2/25/1999	WATER	7440-09-7	Potassium	39.8		В		5/3/1999	3051/6020	NA	None
PROCEDURE	INA	ATLAS MILL	33.01026 V	2/23/1777	WAILK	/440-07-/	ı otassıuili	37.0		В		3/3/1777	3031/0020	IVA	NOHE
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7782-49-2	Selenium	3.79		В		5/3/1999	3051/6020	NA	None

Appendix 8. Dissolved metals data in water from field sampling, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (µg/L)		<b>Qualifier</b> C	s Q	Date Analyzed	Method	Texture:	Artifacts:
PROCEDURE		ATLAS MILL													
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-22-4	Silver	0.205	U			5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-23-5	Sodium	247		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-28-0	Thallium	0.982		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL													
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-62-2	Vanadium	0.642		В		5/3/1999	3051/6020	NA	None
PROCEDURE		ATLAS MILL							_		_				
BLANK #3	NA	SITE	99.01028V	2/25/1999	WATER	7440-66-6	Zinc	1.16		В		5/3/1999	3051/6020	NA	None

**Appendix 9.** Gross alpha and beta radiation in water from field sampling, February 1999.

Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
CHW	SOIL.	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386456V	QA.	ALPBET	0.005	I.	Alpha	-11	11	42.79	pci/L	5/25/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386456V		ALPBET	0.005	L	Beta	0	44	80.3	pci/L	5/25/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386462T		ALPBET	0.075	L	Alpha	0.5	2	4.07	pci/L	5/25/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386462T		ALPBET	0.075	L	Beta	10.1	3.8	5.196	pci/L	5/25/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386450N		ALPBET	0.005	L	Alpha	7100	340	37.49	pci/L	5/25/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386450N		ALPBET	0.005	L	Beta	6270	270	237.1	pci/L	5/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386263M		ALPBET	75	ml	Alpha	330	30	5.039	pci/L	4/22/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386263M		ALPBET	75	ml	Beta	125	10	9.934	pci/L	4/22/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386203Z		ALPBET	50	ml	Alpha	77	16	9.653	pci/L	3/29/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386203Z		ALPBET	50	ml	Beta	31.7	7.8	10.23	pci/L	3/29/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386211Z		ALPBET	75	ml	Alpha	0.7	5.2	10.3	pci/L	4/5/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386211Z		ALPBET	75	ml	Beta	6	4.1	6.49	pci/L	4/5/1999
UX	10	WATER	99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386209F		ALPBET	50	ml	Alpha	5.8	7.4	12.33	pci/L	3/29/1999
UX	10	WATER	99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386209F		ALPBET	50	ml	Beta	3.8	6.2	10.42	pci/L	3/29/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386448V	<u> </u>	ALPBET	0.005	L	Alpha	4130	270	55.89	pci/L	5/25/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386448V	-	ALPBET	0.005	L	Beta	3460	200 9.5	179 8.397	pci/L	5/25/1999
U4 U4	NS NS	WATER WATER	99.01042T 99.01042T	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386197V 00386197V	-	ALPBET ALPBET	50 50	ml ml	Alpha Beta	27.3 19.2	6.4	8.397	pci/L pci/L	3/29/1999 3/29/1999
U4	NS 1	WATER	99.010421 99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386213B		ALPBET	75	ml	Alpha	24	11	12.64	pci/L pci/L	4/5/1999
U4	1	WATER	99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386213B		ALPBET	75	ml	Beta	10.2	4.9	7.437	pci/L	4/5/1999
U4	5	WATER	99.010301	2/25/1999 11:42	2/25/1999 11:42	00386271M		ALPBET	0.075	L	Alpha	9.9	4.4	4.73	pci/L	5/25/1999
U4	5	WATER	99 01079G	2/25/1999 11:42	2/25/1999 11:42	00386271M		ALPBET	0.075	L	Beta	16.8	4.5	5.828	pci/L	5/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386267R		ALPBET	75	ml	Alpha	8.7	7.7	11.92	pci/L	4/22/1999
U4	10	WATER	99 01077E	2/25/1999 11:42	2/25/1999 11:42	00386267R		ALPBET	75	ml	Beta	7.2	4.5	7 042	pci/L	4/22/1999
E4	SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386446T		ALPBET	0.005	L	Alpha	24	25	38.13	pci/L	5/25/1999
E4	SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386446T		ALPBET	0.005	L	Beta	-9	43	79.14	pci/L	5/25/1999
E4	NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386227H		ALPBET	75	ml	Alpha	2.3	7.2	13.24	pci/L	4/5/1999
E4	NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386227H		ALPBET	75	ml	Beta	5.1	4.5	7.221	pci/L	4/5/1999
E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386237K		ALPBET	75	ml	Alpha	3.1	3.9	6.29	pci/L	4/20/1999
E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386237K		ALPBET	75	ml	Beta	5.2	3.1	4.62	pci/L	4/20/1999
E4	5	WATER	99.01060V	2/25/1999 10:57	2/25/1999 10:57	00386233F		ALPBET	75	ml	Alpha	6.3	5.4	7.462	pci/L	4/20/1999
E4	5	WATER	99.01060V	2/25/1999 10:57	2/25/1999 10:57	00386233F		ALPBET	75	ml	Beta	6.6	3.5	5.163	pci/L	4/20/1999
E4	5	WATER	99.01060V	2/25/1999 10:57	2/25/1999 10:57	00386652X	DUP	ALPBET	75	ml	Alpha	6.1	4.9	6.408	pci/L	4/20/1999
E4	5	WATER	99.01060V	2/25/1999 10:57	2/25/1999 10:57	00386652X	DUP	ALPBET	75	ml	Beta	5.6	3.4	5.142	pci/L	4/20/1999
E4	10	WATER	99.01059C	2/25/1999 10:57	2/25/1999 10:57	00386231D		ALPBET	75	ml	Alpha	3.6	3.9	5.866	pci/L	4/20/1999
E4	10 SOIL	WATER	99.01059C	2/25/1999 10:57	2/25/1999 10:57	00386231D		ALPBET	75 0.075	ml L	Beta	4.3 6	3.1	4.852 4.819	pci/L	4/20/1999
E10 E10	SOIL	PORE WATER PORE WATER	99.01227A 99.01227A	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386458X 00386458X	<u> </u>	ALPBET ALPBET	0.075	L	Alpha Beta	9.8	3.9	5.655	pci/L	5/25/1999 5/25/1999
E10	NS	WATER	99.01227A 99.01054X	2/25/1999 10:57	2/25/1999 10:57	00386221B	<del>                                     </del>	ALPBET	75	ml	Alpha	6.1	5.2	7.445	pci/L pci/L	4/5/1999
E10	NS NS	WATER	99.01054X 99.01054X	2/25/1999 10:57	2/25/1999 10:57	00386221B	1	ALPBET	75	ml	Beta	4.3	4.1	6.721	pci/L pci/L	4/5/1999
E10	1	WATER	99.01056Z	2/25/1999 10:57	2/25/1999 10:57	00386225F		ALPBET	75	ml	Alpha	-0.7	4.4	9.491	pci/L	4/5/1999
E10	1	WATER	99.01056Z	2/25/1999 10:57	2/25/1999 10:57	00386225F		ALPBET	75	ml	Beta	7.3	4.2	6.432	pci/L	4/5/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386215D		ALPBET	75	ml	Alpha	9	9	14.27	pci/L	4/5/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386215D		ALPBET	75	ml	Beta	5.8	4.2	6.66	pci/L	4/5/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386229K		ALPBET	75	ml	Alpha	2.1	7.2	13.21	pci/L	4/5/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386229K		ALPBET	75	ml	Beta	5.3	4.1	6.528	pci/L	4/5/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386444Q		ALPBET	0.005	L	Alpha	650	120	46.61	pci/L	5/25/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386444Q		ALPBET	0.005	L	Beta	840	100	96.41	pci/L	5/25/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386654Z	DUP	ALPBET	0.005	L	Alpha	790	130	47.21	pci/L	5/25/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386654Z	DUP	ALPBET	0.005	L	Beta	850	100	101.5	pci/L	5/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386255M		ALPBET	75	ml	Alpha	32	10	8.283	pci/L	4/21/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386255M		ALPBET	75	ml	Beta	22.7	4.6	5.295	pci/L	4/21/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386251H		ALPBET	75	ml	Alpha	29	10	7.134	pci/L	4/21/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386251H	<b> </b>	ALPBET	75	ml	Beta	17.1	4.5	5.614	pci/L	4/21/1999
MW	5	WATER	99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386253K	<u> </u>	ALPBET	75	ml	Alpha	14.3	8.9	11.7	pci/L	4/21/1999

**Appendix 9.** Gross alpha and beta radiation in water from field sampling, February 1999.

WW   10																	
WW   10																	
WW   10		,						QA									Res. Date
Marie   Mari				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											0.000		= -, -, , , ,
DOC   SOIL   PORE WATER   9901258   2251999113   225199113   0038-0400   A.PRET   0.005   I.   Apha   1600   300   301   7   sci 1   225199113   102   301   301								-									
DOC   NS   WATER   9901075A   2251999   113   2251999   114   00080407   A.PRET   0.005   L.   Bega   120   730   1953   8el   252199   115   00080407   A.PRET   75   ml   A.PRET   0.006   4.5   5.119   8el   225199   115   00080407   A.PRET   75   ml   A.PRET   0.006   4.5   5.119   8el   225199   115   00080407   A.PRET   75   ml   A.PRET   0.006   4.5   5.119   8el   225199   115   00080407   A.PRET   75   ml   A.PRET   0.006   4.5   5.119   8el   225199   115   00080407   A.PRET   75   ml   A.PRET   0.006   4.5   5.119   8el   225199   115   00080407   A.PRET   0.006   A.								1									
D2			-							0.000	L					1	
Dec   Dec								-			L1						
1																	
1																	
DECTRIFICATION   STATEM   ST		1															
Decoration   Dec		l .													0.00-		= -, -, , ,
D2																	
DA   SOIL   DORE WATER   99.01074B   225/1999   11-9   225/1999																	
Dec   SOIL   PORE WATER   90/12/TY   228/1999/11-88   228/1999/11-89   208/14-86/14-87   ALPBET   0.005   L.   Baba   700   0.0   92.59   0.914   528/1999/11-99   1.0																	
Decoration   Dec																	4/21/1999
Dec																	5/25/1999
DA												Beta				pci/L	5/25/1999
DA	D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386245K		ALPBET	75	ml	Alpha	26.3	8.5	6.146	pci/L	4/20/1999
DA	D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386245K		ALPBET	75	ml	Beta	14.8	4.1	5.269	pci/L	4/20/1999
DH   S   WATER   99,01080   225/1999 11:19   0238249P   APBET   75 ml   Alpha   18.1   7.8   6.982   ncit.   47.119	D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386239M		ALPBET	75	ml	Alpha	24	8.2	6.042	pci/L	4/20/1999
D4	D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386239M		ALPBET	75	ml	Beta	9.9	3.6	5.017	pci/L	4/20/1999
D4   10   WATER	D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386249P		ALPBET	75	ml	Alpha	18.1	7.8	6.892	pci/L	4/21/1999
D4	D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386249P		ALPBET	75	ml		15.2	4.1	5.222	pci/L	4/21/1999
Def	D4	10														_	4/22/1999
Decoration   Dec																	4/22/1999
D6																	
D6								1									
D6																	
D6																	
D6		NS 1															
D6		1															
D6   5   WATER   99.01064Z   225/1999 11:19   225/1999 11:19   0386241F   ALPBET   5   ml   Beta   1720   140   93.91   pcil.   420/19																_	
D6								1									
D6   10   WATER   99.01067C   225/1999 11:19   225/1999 11:19   00386247M   ALPBET   75   ml   Beta   13.8   4.1   5.352   pci/L   420/199   D8   SOIL   PORE WATER   99.0125Y   228/1999 11:53   228/1999 11:53   00386454T   ALPBET   0.075   L   Alpha   21.3   6.1   3.428   pci/L   5/25/199   D8   SOIL   PORE WATER   99.0122Y   228/1999 11:53   228/1999 11:53   00386454T   ALPBET   0.075   L   Beta   42.4   6   5.773   pci/L   5/25/199   D8   NS   WATER   99.01041R   225/1999 10:51   225/1999 10:51   00386195T   ALPBET   50   ml   Alpha   65   18   17.22   pci/L   3/29/199   D8   NS   WATER   99.01041R   225/1999 10:51   225/1999 10:51   00386195T   ALPBET   50   ml   Alpha   65   18   17.22   pci/L   3/29/199   D8   1   WATER   99.01044V   225/1999 10:51   225/1999 10:51   00386201X   ALPBET   50   ml   Alpha   60   16   7.636   pci/L   3/29/199   D8   1   WATER   99.01044V   225/1999 10:51   225/1999 10:51   00386201X   ALPBET   50   ml   Beta   18.7   7.6   11.37   pci/L   3/29/199   D8   1   WATER   99.01054V   225/1999 10:51   225/1999 10:57   0038621X   ALPBET   50   ml   Beta   26.2   7.4   9.998   pci/L   3/29/190   D8   5   WATER   99.01055Y   225/1999 10:57   0038623D   ALPBET   75   ml   Beta   10.7   4.8   7.136   pci/L   4/5/199   D8   10   WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Beta   10.7   4.8   7.136   pci/L   4/5/199   D8   10   WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Beta   4   5.7   9.527   pci/L   3/29/190   D10   SOIL   PORE WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Alpha   17   7.6   7.509   pci/L   3/29/190   D10   SOIL   PORE WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Alpha   78   18   13.31   pci/L   4/20/190   D10   SOIL   PORE WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386235H   ALPBET   50   ml   Alpha   78   18   13.31   pci/L   4/20/190   D10   SOIL   PORE WATER   99.01041W   225/1999 10:51   22																_	
D8																	
D8   SOIL   PORE WATER   99.01225Y   228/1999 11:53   228/1999 11:53   00386454T   ALPBET   0.075   L   Beta   42.4   6   5.773   pci/L   5225/199   D8   NS   WATER   99.01041R   225/1999 10:51   225/1999 10:51   00386195T   ALPBET   50   ml   Alpha   65   18   17.22   pci/L   329/199   D8   NS   WATER   99.01041R   225/1999 10:51   225/1999 10:51   00386195T   ALPBET   50   ml   Beta   18.7   7.6   11.37   pci/L   329/199   D8   1   WATER   99.01044V   225/1999 10:51   225/1999 10:51   00386201X   ALPBET   50   ml   Alpha   60   16   7.636   pci/L   329/199   D8   1   WATER   99.01044V   225/1999 10:51   225/1999 10:51   00386201X   ALPBET   50   ml   Alpha   60   16   7.636   pci/L   329/199   D8   5   WATER   99.0105Y   225/1999 10:57   0038621X   ALPBET   75   ml   Alpha   22.3   9.2   7.897   pci/L   445/199   D8   5   WATER   99.0105Y   225/1999 10:57   0038623D   ALPBET   75   ml   Beta   10.7   48   7.136   pci/L   445/199   D8   10   WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Alpha   17   7.6   7.509   pci/L   329/199   D8   10   WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Alpha   17   7.6   7.509   pci/L   329/199   D8   10   WATER   99.01046X   225/1999 10:51   225/1999 10:51   00386205B   ALPBET   50   ml   Alpha   17   7.6   7.509   pci/L   329/199   D10   SOIL   PORE WATER   99.0124X   228/1999 11:53   228/1999 11:53   00386452Q   ALPBET   0.005   L   Alpha   17   7.6   7.509   pci/L   329/199   D10   SOIL   PORE WATER   99.01061W   225/1999 10:57   00386235H   ALPBET   75   ml   Alpha   78   18   13.31   pci/L   420/199   D10   NS   WATER   99.01061W   225/1999 10:57   00386235H   ALPBET   75   ml   Alpha   78   18   13.31   pci/L   420/199   D10   D10   NS   WATER   99.01061W   225/1999 10:57   00386235H   ALPBET   75   ml   Alpha   78   18   13.31   pci/L   420/199   D10   D10   NS   WATER   99.01040V   225/1999 10:51   225/1999 10:51   00386193W   ALPBET   50   ml   Alpha   22.8   98   8.641   pci/L   329/199																	
D8   NS   WATER   99.01041R   2/25/1999 10:51   225/1999 10:51   00386195T   ALPBET   50 ml   Alpha   65   18   17.22   pci/L   3/29/199   D8   NS   WATER   99.01041R   2/25/1999 10:51   2/25/1999 10:51   00386201X   ALPBET   50 ml   Beta   18.7   7.6   11.37   pci/L   3/29/199   D8   1   WATER   99.01044V   2/25/1999 10:51   2/25/1999 10:51   00386201X   ALPBET   50 ml   Beta   26.2   7.4   9.998   pci/L   3/29/199   D8   1   WATER   99.01044V   2/25/1999 10:51   2/25/1999 10:51   00386201X   ALPBET   50 ml   Beta   26.2   7.4   9.998   pci/L   3/29/199   D8   5   WATER   99.01055Y   2/25/1999 10:57   2/25/1999 10:57   00386223D   ALPBET   75 ml   Alpha   22.3   9.2   7.897   pci/L   4/5/199   D8   10   WATER   99.01056X   2/25/1999 10:51   2/25/1999 10:51   0038623D   ALPBET   75 ml   Alpha   17   7.6   7.509   pci/L   4/5/199   D8   10   WATER   99.01046X   2/25/1999 10:51   2/25/1999 10:51   00386205B   ALPBET   50 ml   Alpha   17   7.6   7.509   pci/L   3/29/199   D8   10   WATER   99.01046X   2/25/1999 10:51   2/25/1999 10:51   00386205B   ALPBET   50 ml   Beta   4   5.7   9.527   pci/L   3/29/199   D8   10   WATER   99.01046X   2/25/1999 10:51   2/25/1999 10:51   00386205B   ALPBET   50 ml   Beta   4   5.7   9.527   pci/L   3/29/199   D8   D8   D8   D8   D8   D8   D8																	
D8   NS   WATER   99.0104IR   2225/1999 10.51   2225/1999 10.51   00386195T   ALPBET   50 ml   Beta   18.7   7.6   11.37   pci/L   3/29/199																	5/25/1999
D8																1	3/29/1999
D8		NS									ml			7.6		pci/L	3/29/1999
D8 5 WATER 99.01055Y 225/1999 10:57 225/1999 10:57 00386223D ALPBET 75 ml Alpha 22.3 9.2 7.897 pci/L 4/5/199 D8 5 WATER 99.01055Y 2/25/1999 10:57 2/25/1999 10:57 0038623D ALPBET 75 ml Beta 10.7 4.8 7.136 pci/L 4/5/199 D8 10 WATER 99.01046X 2/25/1999 10:51 2/25/1999 10:51 00386205B ALPBET 50 ml Beta 10.7 7.6 7.509 pci/L 3/29/19 D8 10 WATER 99.01046X 2/25/1999 10:51 2/25/1999 10:51 00386205B ALPBET 50 ml Beta 4 5.7 9.527 pci/L 3/29/19 D10 SOIL PORE WATER 99.0124X 2/28/1999 11:53 2/28/1999 11:53 00386452Q ALPBET 0.005 L Alpha 1710 260 95.26 pci/L 5/25/199 D10 SOIL PORE WATER 99.0124X 2/28/1999 11:53 2/28/1999 11:53 00386452Q ALPBET 0.005 L Beta 2210 160 118.8 pci/L 5/25/199 D10 NS WATER 99.01061W 2/25/1999 10:57 2/25/1999 10:57 00386235H ALPBET 75 ml Alpha 78 18 13.31 pci/L 4/20/19 D10 NS WATER 99.01061W 2/25/1999 10:57 2/25/1999 10:57 00386235H ALPBET 75 ml Beta 37.9 5.9 6.279 pci/L 3/29/19 D10 NS WATER 99.01061W 2/25/1999 10:57 2/25/1999 10:57 00386235H ALPBET 75 ml Beta 37.9 5.9 6.279 pci/L 3/29/19 D10 NS WATER 99.01039Y 2/25/1999 10:57 00386235H ALPBET 50 ml Alpha 78 18 13.31 pci/L 4/20/19 D10 1 WATER 99.01039Y 2/25/1999 10:51 2/25/1999 10:51 00386191N ALPBET 50 ml Alpha 2.5.8 9.8 8.641 pci/L 3/29/19 D10 5 WATER 99.01043U 2/25/1999 10:51 2/25/1999 10:51 0038619N ALPBET 50 ml Alpha 2.3. 9.2 6.715 pci/L 3/29/19 D10 5 WATER 99.01043U 2/25/1999 10:51 0038619N ALPBET 50 ml Alpha 2.3. 9.2 6.715 pci/L 3/29/19 D10 5 WATER 99.01040Q 2/25/1999 10:51 00386193Q ALPBET 50 ml Beta 15.4 5.8 8.275 pci/L 3/29/19 D10 10 WATER 99.01040Q 2/25/1999 10:51 00386193Q ALPBET 50 ml Alpha 9.1 7.5 10.96 pci/L 3/29/19 D10 10 WATER 99.01040Q 2/25/1999 10:51 00386193Q ALPBET 50 ml Alpha 9.1 7.5 10.96 pci/L 3/29/19 D10 10 WATER 99.01040Q 2/25/1999 10:51 00386193Q ALPBET 50 ml Alpha 9.1 7.5 10.96 pci/L 3/29/19 D10 10 WATER 99.01040Q 2/25/1999 10:51 00386193Q ALPBET 50 ml Alpha 9.1 7.5 10.96 pci/L 3/29/19		1														pci/L	3/29/1999
D8         5         WATER         99.01055Y         2/25/1999 10:57         2/25/1999 10:57         00386223D         ALPBET         75         ml         Beta         10.7         4.8         7.136         pci/L         4/5/199           D8         10         WATER         99.01046X         2/25/1999 10:51         2/25/1999 10:51         00386205B         ALPBET         50         ml         Alpha         17         7.6         7.509         pci/L         3/29/19           D8         10         WATER         99.01046X         2/25/1999 10:51         2/25/1999 10:51         00386205B         ALPBET         50         ml         Alpha         17         7.6         7.509         pci/L         3/29/19           D10         SOIL         PORE WATER         99.01224X         2/28/1999 11:53         2/28/1999 11:53         00386452Q         ALPBET         0.005         L         Alpha         1710         260         95.26         pci/L         5/25/199           D10         NS         WATER         99.01061W         2/25/1999 10:57         2/25/1999 10:57         00386235H         ALPBET         75         ml         Alpha         78         18         13.31         pci/L         4/20/199           D10<	D8	1	WATER	99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386201X		ALPBET	50	ml	Beta		7.4	9.998	pci/L	3/29/1999
D8   10   WATER   99.01046X   225/1999   10.51   225/1999   10.51   0386205B   ALPBET   50   ml   Alpha   17   7.6   7.50   pci/L   3/29/199	D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386223D		ALPBET	75	ml	Alpha	22.3	9.2	7.897	pci/L	4/5/1999
D8   10   WATER   99.01046X   2/25/1999 10:51   2/25/1999 10:51   00386205B   ALPBET   50   ml   Beta   4   5.7   9.527   pci/L   3/29/199	D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386223D		ALPBET	75	ml	Beta	10.7	4.8	7.136	pci/L	4/5/1999
D8   10	D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386205B		ALPBET	50	ml	Alpha	17	7.6	7.509	pci/L	3/29/1999
D10   SOIL   PORE WATER   99.01224X   2/28/1999 11:53   2/28/1999 11:53   00386452Q   ALPBET   0.005   L   Alpha   1710   260   95.26   pci/L   5/25/199   D10   SOIL   PORE WATER   99.01224X   2/28/1999 11:53   2/28/1999 11:53   00386452Q   ALPBET   0.005   L   Beta   2210   160   118.8   pci/L   5/25/199   D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Alpha   78   18   13.31   pci/L   4/20/199   D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Beta   37.9   5.9   6.279   pci/L   4/20/199   D10   NS   WATER   99.01039Y   2/25/1999 10:51   2/25/1999 10:51   00386191N   ALPBET   50   ml   Alpha   25.8   9.8   8.641   pci/L   3/29/199   D10   NS   WATER   99.01039Y   2/25/1999 10:51   2/25/1999 10:51   00386191N   ALPBET   50   ml   Beta   14.9   6.6   9.735   pci/L   3/29/199   D10   NS   WATER   99.01043U   2/25/1999 10:51   2/25/1999 10:51   00386193V   ALPBET   50   ml   Alpha   27.3   9.2   6.715   pci/L   3/29/199   D10   NATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   2.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   4.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   4.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   4.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   4.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   4.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   4.6   5.8   9.121   pci/L   3/29/	D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386205B		ALPBET	50	ml		4	5.7	9.527	pci/L	3/29/1999
D10   SOIL   PORE WATER   99.01224X   2/28/1999 11:53   2/28/1999 11:53   00386452Q   ALPBET   0.005   L   Beta   2210   160   118.8   pci/L   5/25/199   D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Alpha   78   18   13.31   pci/L   4/20/199   D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Beta   37.9   5.9   6.279   pci/L   4/20/199   D10	D10	SOIL											1710	260	95.26		5/25/1999
D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Alpha   78   18   13.31   pci/L   4/20/199   D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Beta   37.9   5.9   6.279   pci/L   4/20/199   D10   1   WATER   99.01039Y   2/25/1999 10:51   2/25/1999 10:51   00386191N   ALPBET   50   ml   Alpha   25.8   9.8   8.641   pci/L   3/29/199   D10   1   WATER   99.01039Y   2/25/1999 10:51   2/25/1999 10:51   00386191N   ALPBET   50   ml   Beta   14.9   6.6   9.735   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10:51   00386191N   ALPBET   50   ml   Alpha   27.3   9.2   6.715   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10:51   00386193V   ALPBET   50   ml   Beta   15.4   5.8   8.275   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.12   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.12   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.12   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.12   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   9.1   7.5   D1.96   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   00386193Q   D10   D10   D10   WATER   99.01040Q   2/25/1999 10:51   00386193Q   D10   D1	D10	SOIL	PORE WATER	99 01224X	2/28/1999 11:53	2/28/1999 11:53	003864520		ALPBET	0.005	L		2210	160	118.8		5/25/1999
D10   NS   WATER   99.01061W   2/25/1999 10:57   2/25/1999 10:57   00386235H   ALPBET   75   ml   Beta   37.9   5.9   6.279   pci/L   4/20/199								1									4/20/1999
D10   1   WATER   99.01039Y   2/25/1999 10.51   2/25/1999 10.51   00386191N   ALPBET   50   ml   Alpha   25.8   9.8   8.641   pci/L   3/29/199   D10   1   WATER   99.01039Y   2/25/1999 10.51   2/25/1999 10.51   00386191N   ALPBET   50   ml   Beta   14.9   6.6   9.735   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10.51   2/25/1999 10.51   00386199X   ALPBET   50   ml   Alpha   27.3   9.2   6.715   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10.51   2/25/1999 10.51   00386199X   ALPBET   50   ml   Beta   15.4   5.8   8.275   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386193Q   ALPBET   50   ml   Alpha   12.6   6.7   6.041   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386650V   DUP   ALPBET   50   ml   Alpha   9.1   7.5   D1.96   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386650V   DUP   ALPBET   50   ml   Alpha   9.1   7.5   D1.96   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386650V   DUP   ALPBET   50   ml   Alpha   9.1   7.5   D1.96   pci/L   3/29/199   D10																4/20/1999	
D10   1   WATER   99.01039Y   2/25/1999 10.51   2/25/1999 10.51   00386191N   ALPBET   50   ml   Beta   14.9   6.6   9.735   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10.51   2/25/1999 10.51   00386199X   ALPBET   50   ml   Alpha   27.3   9.2   6.715   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10.51   2/25/1999 10.51   00386193V   ALPBET   50   ml   Beta   15.4   5.8   8.275   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386193Q   ALPBET   50   ml   Alpha   12.6   6.7   6.041   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386193Q   ALPBET   50   ml   Alpha   9.1   7.5   10.96   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10.51   2/25/1999 10.51   00386650V   DUP   ALPBET   50   ml   Alpha   9.1   7.5   10.96   pci/L   3/29/199   D10   D		1						1									3/29/1999
D10   5   WATER   99.01043U   2/25/1999 10:51   2/25/1999 10:51   00386199X   ALPBET   50   ml   Alpha   27.3   9.2   6.715   pci/L   3/29/199   D10   5   WATER   99.01043U   2/25/1999 10:51   2/25/1999 10:51   00386199X   ALPBET   50   ml   Beta   15.4   5.8   8.275   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Alpha   12.6   6.7   6.041   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386193Q   ALPBET   50   ml   Beta   8.6   5.8   9.121   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386650V   DUP   ALPBET   50   ml   Alpha   9.1   7.5   10.96   pci/L   3/29/199   D10   D10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386650V   DUP   ALPBET   50   ml   Alpha   9.1   7.5   D10.96   pci/L   3/29/199   D10		1						1									
D10         5         WATER         99.01043U         2/25/1999 10:51         2/25/1999 10:51         00386199X         ALPBET         50         ml         Beta         15.4         5.8         8.275         pci/L         3/29/199           D10         10         WATER         99.01040Q         2/25/1999 10:51         2/25/1999 10:51         00386193Q         ALPBET         50         ml         Alpha         12.6         6.7         6.041         pci/L         3/29/199           D10         10         WATER         99.01040Q         2/25/1999 10:51         2/25/1999 10:51         00386193Q         ALPBET         50         ml         Beta         8.6         5.8         9.121         pci/L         3/29/199           D10         10         WATER         99.01040Q         2/25/1999 10:51         2/25/1999 10:51         00386650V         DUP         ALPBET         50         ml         Alpha         9.1         7.5         10.96         pci/L         3/29/199		5						1									
D10         10         WATER         99.01040Q         2/25/1999 10.51         2/25/1999 10.51         00386193Q         ALPBET         50         ml         Alpha         12.6         6.7         6.041         pci/L         3/29/199           D10         10         WATER         99.01040Q         2/25/1999 10.51         2/25/1999 10.51         00386193Q         ALPBET         50         ml         Beta         8.6         5.8         9.121         pci/L         3/29/199           D10         10         WATER         99.01040Q         2/25/1999 10:51         2/25/1999 10:51         00386650V         DUP         ALPBET         50         ml         Alpha         9.1         7.5         10.96         pci/L         3/29/199				,,,,,,,,				1								_	
D10 10 WATER 99.01040Q 2/25/1999 10:51 2/25/1999 10:51 00386193Q ALPBET 50 ml Beta 8.6 5.8 9.121 pci/L 3/29/199 D10 10 WATER 99.01040Q 2/25/1999 10:51 2/25/1999 10:51 00386650V DUP ALPBET 50 ml Alpha 9.1 7.5 10.96 pci/L 3/29/199		-						1									
D10 10 WATER 99.01040Q 2/25/1999 10:51 2/25/1999 10:51 00386650V DUP ALPBET 50 ml Alpha 9.1 7.5 10.96 pci/L 3/29/199								1								_	
				_				Dire									
D10   10   WATER   99.01040Q   2/25/1999 10:51   2/25/1999 10:51   00386650V   DUP   ALPBET   50   ml   Beta   9.2   5.9   9.229   pci/L   3/29/199																	
	D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386650V	DUP	ALPBET	50	ml	Beta	9.2	5.9	9.229	pci/L	3/29/1999

**Appendix 9.** Gross alpha and beta radiation in water from field sampling, February 1999.

				6.116	6 P . P .								* 1 COV			
Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
PROCEDURE BLAN	K BLANK	WATER	99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386440L		ALPBET	0.075	L	Alpha	0.2	1.1	2.335	pci/L	5/25/1999
PROCEDURE BLAN	K BLANK	WATER	99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386440L		ALPBET	0.075	L	Beta	2	3	4.998	pci/L	5/25/1999
PROCEDURE BLAN	K BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386207D		ALPBET	50	ml	Alpha	2.6	2.5	3.376	pci/L	3/29/1999
PROCEDURE BLAN	K BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386207D		ALPBET	50	ml	Beta	2.6	5.1	8.569	pci/L	3/29/1999

Appendix 10. Gamma radiation in water from field sampling, February 1999.

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Location I	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U	QC	GAMMA	0.4	L	Ba140	Conc.	2 030	111	pci/L	2/28/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U		GAMMA	0.4	L	Co60			15.9	pci/L	2/28/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U		GAMMA	0.4	L	Cs137			13.1	pci/L	2/28/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U		GAMMA	0.4	L	I131			58.7	pci/L	2/28/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U		GAMMA	0.4	L	K40			132	pci/L	2/28/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U		GAMMA	0.4	L	Ra226			212	pci/L	2/28/1999
CHW	SOIL	PORE WATER	99.01226Z	2/28/1999 11:53	2/28/1999 11:53	00386455U		GAMMA	0.4	L	Ra228			40.1	pci/L	2/28/1999
CHW CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53	00386461R 00386461R		GAMMA GAMMA	0.4	L	Ba140			153	pci/L	2/28/1999
CHW	MIDCHANNEL MIDCHANNEL	WATER WATER	99.01229C 99.01229C	2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386461R 00386461R		GAMMA	0.4	L L	Co60 Cs134			14.2 16.3	pci/L pci/L	2/28/1999 2/28/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386461R		GAMMA	0.4	L	Cs134 Cs137			13.6	pci/L	2/28/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386461R		GAMMA	0.4	L	I131			81.3	pci/L	2/28/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386461R		GAMMA	0.4	L	K40			147	pci/L	2/28/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386461R		GAMMA	0.4	L	Ra226			276	pci/L	2/28/1999
CHW	MIDCHANNEL	WATER	99.01229C	2/28/1999 11:53	2/28/1999 11:53	00386461R		GAMMA	0.4	L	Ra228			46.9	pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	Ba140			108	pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	Co60			12.9	pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	Cs137			12.9	pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	I131			56.3	pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	K40	****	0.00	132	pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	Pa234m	2190	860	221	pci/L	2/28/1999
UX UX	SOIL SOIL	PORE WATER PORE WATER	99.01223W 99.01223W	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00386449W 00386449W		GAMMA GAMMA	0.4	L L	Ra226 Ra228	-		231 40.9	pci/L	2/28/1999 2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	Th234	1350	190	40.9	pci/L pci/L	2/28/1999
UX	SOIL	PORE WATER	99.01223W	2/28/1999 11:48	2/28/1999 11:48	00386449W		GAMMA	0.4	L	U235	253	20		pci/L	2/28/1999
UX	NS NS	WATER	99.01223 W	2/25/1999 11:42	2/25/1999 11:42	00386449W		GAMMA	0.4	I	Ba140	233	20	156	pci/L	2/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386262L		GAMMA	0.4	L	Co60			22.6	pci/L	2/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386262L		GAMMA	0.4	L	Cs137			17	pci/L	2/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386262L		GAMMA	0.4	L	I131			85	pci/L	2/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386262L		GAMMA	0.4	L	K40			211	pci/L	2/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386262L		GAMMA	0.4	L	Ra226	260	270		pci/L	2/25/1999
UX	NS	WATER	99.01075C	2/25/1999 11:42	2/25/1999 11:42	00386262L		GAMMA	0.4	L	Ra228			64.1	pci/L	2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	Ba140			128	pci/L	2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	Co60			12.8	pci/L	2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	Cs134			15.5	pci/L	2/25/1999
UX UX	1	WATER WATER	99.01045W 99.01045W	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386202Y 00386202Y		GAMMA GAMMA	0.4	L L	Cs137 I131			15.8 58.8	pci/L	2/25/1999 2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	K40			147	pci/L pci/L	2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	Ra226			291	pci/L	2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	Ra228			42.8	pci/L	2/25/1999
UX	1	WATER	99.01045W	2/25/1999 10:51	2/25/1999 10:51	00386202Y		GAMMA	0.4	L	TI208	6	10	12.0	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	Ba140			90.7	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	Co60			14.9	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	Cs137			12.6	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	I131			40.8	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	K40	<u> </u>		132	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	Ra226			239	pci/L	2/25/1999
UX	5	WATER	99.01049A	2/25/1999 10:51	2/25/1999 10:51	00386210Y		GAMMA	0.4	L	Ra228	ļ		46.3	pci/L	2/25/1999
UX	10	WATER	99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386208E		GAMMA	0.4	L	Ba140	1	1	116	pci/L	2/25/1999
UX UX	10 10	WATER WATER	99.01048Z 99.01048Z	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386208E 00386208E		GAMMA GAMMA	0.4	L L	Co60 Cs137	<b> </b>		20.5	pci/L	2/25/1999 2/25/1999
UX	10	WATER	99.01048Z 99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386208E 00386208E		GAMMA GAMMA	0.4	L	I131		-	43.1	pci/L pci/L	2/25/1999
UX	10	WATER	99.01048Z 99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386208E		GAMMA	0.4	I	K40	1		225	pci/L	2/25/1999
UX	10	WATER	99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386208E		GAMMA	0.4	I.	Ra226	<del>                                     </del>		244	pci/L	2/25/1999
UX	10	WATER	99.01048Z	2/25/1999 10:51	2/25/1999 10:51	00386208E		GAMMA	0.4	L	Ra228			59.1	pci/L	2/25/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	Ba140			162	pci/L	2/28/1999
U4				2/28/1999 11:48		00386447U		GAMMA	0.4	L	Co60			23.2	pci/L	2/28/1999

Appendix 10. Gamma radiation in water from field sampling, February 1999.

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Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U	- V-	GAMMA	0.4	L	Cs137	Conci	2 050	18.8	pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	I131			83.3	pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	K40	150	140		pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	Pa234m	1260	920		pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	Pb212	14	22		pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	Ra226			316	pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	Ra228			63.4	pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	Th234	1060	140		pci/L	2/28/1999
U4	SOIL	PORE WATER	99.01222V	2/28/1999 11:48	2/28/1999 11:48	00386447U		GAMMA	0.4	L	U235	145	19		pci/L	2/28/1999
U4	NS	WATER	99.01042T	2/25/1999 10:51	2/25/1999 10:51	00386196U		GAMMA	0.4	L	Ba140			109	pci/L	2/25/1999
U4	NS	WATER	99.01042T	2/25/1999 10:51	2/25/1999 10:51	00386196U		GAMMA	0.4	L	Co60			14.7	pci/L	2/25/1999
U4	NS	WATER	99.01042T	2/25/1999 10:51	2/25/1999 10:51	00386196U		GAMMA	0.4	L	Cs134			15	pci/L	2/25/1999
U4 U4	NS	WATER	99.01042T	2/25/1999 10:51	2/25/1999 10:51	00386196U		GAMMA	0.4	L	Cs137			14 50.4	pci/L	2/25/1999
	NS	WATER	99.01042T	2/25/1999 10:51	2/25/1999 10:51	00386196U		GAMMA	0.4	L	I131		ļ		pci/L	2/25/1999
U4 U4	NS NS	WATER WATER	99.01042T 99.01042T	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386196U 00386196U		GAMMA	0.4	L L	K40 Ra226		1	179 290	pci/L pci/L	2/25/1999 2/25/1999
U4	NS NS	WATER	99.01042T	2/25/1999 10:51	2/25/1999 10:51	00386196U		GAMMA GAMMA	0.4	L	Ra228		1	45.5	pci/L	2/25/1999
U4	1	WATER	99.010421 99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	I I	Ba140		1	85.2	pci/L	2/25/1999
U4	1	WATER	99.010301 99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A 00386212A		GAMMA	0.4	I	Co60			15	pci/L	2/25/1999
U4	1	WATER	99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	L	Cs137		1	12.3	pci/L	2/25/1999
U4	1	WATER	99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	L	I131		1	37.1	pci/L	2/25/1999
U4	1	WATER	99 01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	L	K40		1	138	pci/L	2/25/1999
U4	1	WATER	99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	L	Ra226			240	pci/L	2/25/1999
U4	1	WATER	99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	L	Ra228			46.4	pci/L	2/25/1999
U4	1	WATER	99.01050T	2/25/1999 10:51	2/25/1999 10:51	00386212A		GAMMA	0.4	L	TI208	6	10		pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	Ba140			115	pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	Co60			14.5	pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	Cs137			12.9	pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	I131			61.7	pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	K40			142	pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	Ra226	110	200		pci/L	2/25/1999
U4	5	WATER	99.01079G	2/25/1999 11:42	2/25/1999 11:42	00386270L		GAMMA	0.4	L	Ra228			40.8	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	Ba140			114	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	Co60			16.1	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	Cs137			12.9	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	I131			59.1	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	K40			136	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	Ra226			218	pci/L	2/25/1999
U4	10	WATER	99.01077E	2/25/1999 11:42	2/25/1999 11:42	00386266Q		GAMMA	0.4	L	Ra228			43.1	pci/L	2/25/1999
E4	SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386445R		GAMMA	0.4	L	Ba140			112	pci/L	2/28/1999
E4	SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386445R		GAMMA	0.4	L	Co60			13.8	pci/L	2/28/1999
E4	SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386445R		GAMMA	0.4	L	Cs137			12.7	pci/L	2/28/1999
E4	SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386445R		GAMMA	0.4	L	I131			60.7	pci/L	2/28/1999
E4	SOIL SOIL	PORE WATER	99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386445R		GAMMA	0.4	L	K40	1.4	10	136	pci/L	2/28/1999
E4 E4	SOIL	PORE WATER PORE WATER	99.01221U 99.01221U	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00386445R 00386445R	-	GAMMA GAMMA	0.4	L	Pb212 Ra226	14	18	256	pci/L pci/L	2/28/1999 2/28/1999
E4 E4	SOIL	PORE WATER PORE WATER	99.01221U 99.01221U	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00386445R 00386445R	-	GAMMA GAMMA	0.4	L L	Ra226 Ra228	<del>                                     </del>	<del>                                     </del>	256 46.2		2/28/1999 2/28/1999
E4	SOIL	PORE WATER	99.01221U 99.01221U	2/28/1999 11:48	2/28/1999 11:48	00386445R 00386445R	1	GAMMA	0.4	L	TI208	7	11	40.2	pci/L pci/L	2/28/1999
E4 F4	NS	WATER	99.012210 99.01057A	2/25/1999 11:48	2/28/1999 11:48	00386445R 00386226G	1	GAMMA	0.4	L	Ba140	/	11	148	pci/L	2/28/1999
E4	NS NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G		GAMMA	0.4	L	Co60			13.1	pci/L	2/25/1999
E4	NS NS	WATER	99.01057A 99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G		GAMMA	0.4	L	Cs134	<del>                                     </del>	<del>                                     </del>	17.3	pci/L	2/25/1999
E4	NS NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G	1	GAMMA	0.4	L	Cs134 Cs137	1	1	14.8	pci/L	2/25/1999
E4	NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G		GAMMA	0.4	L	I131	1	1	78.4	pci/L	2/25/1999
E4	NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G		GAMMA	0.4	L	K40	1	1	125	pci/L	2/25/1999
E4	NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G		GAMMA	0.4	L	Ra226			306	pci/L	2/25/1999
E4	NS	WATER	99.01057A	2/25/1999 10:57	2/25/1999 10:57	00386226G		GAMMA	0.4	L	Ra228			41.9	pci/L	2/25/1999
E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386236J		GAMMA	0.4	L	Ba140			161	pci/L	2/25/1999

Appendix 10. Gamma radiation in water from field sampling, February 1999.

Feb		1					1										
E.E.   1   WATER   99.080X   225.099.0837   225.090.0837   025.0																	
EH	Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QC	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
He   1	E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386236J		GAMMA	0.4	L	Co60			18.1	pci/L	2/25/1999
Fig. 1	E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386236J		GAMMA	0.4	L	Cs134			17.2	pci/L	2/25/1999
He   1   WATER   990100X   2251999 1037   2251999 1037   00305236   GAMMA   0.4   L. Pol.   118   pest   2.5   14   1   WATER   990100X   225199 1037   2051999 1037   00305236   GAMMA   0.4   L. Pol.   2.1   19   pest   2.5   14   1   WATER   990100X   225199 1037   2051999 1037   00305236   GAMMA   0.4   L. Bol.   1. Bol.	E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386236J		GAMMA	0.4	L	Cs137			15.3	pci/L	2/25/1999
He   1	E4	1	WATER	99.01062X		2/25/1999 10:57	00386236J		GAMMA	0.4	L	I131			92.5	pci/L	2/25/1999
Section   Sect	E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386236J		GAMMA	0.4	L	K40			138	pci/L	2/25/1999
Fig.		1					00386236J		GAMMA		L					pci/L	2/25/1999
Fig.   S.   WATER   9910807   22519991037   22519991037   20519991037   20510991037   22519991037	E4	1	WATER	99.01062X	2/25/1999 10:57	2/25/1999 10:57	00386236J		GAMMA	0.4	L	Ra226	210	100		pci/L	2/25/1999
Fig.   S.   WATER		1	WATER	99.01062X		2/25/1999 10:57			GAMMA		L	Ra228			45.6	pci/L	2/25/1999
E4   S   WATER   99.01660V   2251999 1037   2251999 1037   03385212E   GAMMA   0.4   L   C660     15   popt   2   2   2   4   5											L				143		2/25/1999
Fig.   S				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									80	130			2/25/1999
Fig.   S		5		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							L					pci/L	2/25/1999
Fig.   S																	2/25/1999
Fig.   S																pci/L	2/25/1999
Feb											L					pci/L	2/25/1999
Fig.   S													ļ				2/25/1999
E4 5 WATER 990106V 2751999 10-57 0358651W DUP GAMMA 0.4 L C.060 16.6 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0358651W DUP GAMMA 0.4 L C.060 16.6 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L C.137 13.3 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L C.137 13.3 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L C.137 13.3 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L C.137 13.3 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L R.00 6 S0 81 00-7 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L R.00 6 S0 81 00-7 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L R.00 6 S0 81 00-7 pcil. 2.2 E4 5 WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L R.00 6 S0 81 00-7 pcil. 2.2 E4 1 DU WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L R.00 6 S0 81 00-7 pcil. 2.2 E4 1 DU WATER 990106V 2251999 10-57 0251999 10-57 0358651W DUP GAMMA 0.4 L Bal40 1144 pcil. 2.2 E4 1 DU WATER 990106V 2251999 10-57 0358050C GAMMA 0.4 L Bal40 1144 pcil. 2.2 E4 1 DU WATER 990106V 2251999 10-57 0358050C GAMMA 0.4 L Bal40 1144 pcil. 2.2 E4 1 DU WATER 990106V 2251999 10-57 0251999 10-57 0358050C GAMMA 0.4 L C.00 1130 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4 L C.00 1131 pcil. 2.2 E4 1 DU WATER 990105V 2251999 10-57 0358050C GAMMA 0.4											L		ļ	<u> </u>			2/25/1999
E4 5 WATER 99.01660V 225.1999 10.57 0338651W DUP GAMMA 0.4 L. Co60				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							L		ļ				2/25/1999
E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L Cs131 1.13 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L Cs131 1.3 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 1131 1.13 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 120 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 120 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 5 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308651W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308650W DLP GAMMA 0.4 L B. 220 pcit. 22 E4 10 WATER 99.0100V 225.1999 10.57 0308650W DLP GAMMA 0.4 L CMMA 0.4 L C				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							L		ļ				2/25/1999
E4   5   WATER   99.01669V   2251999 1057   2251999 1057   0358651W   DIP   GAMMA   0.4   L   C137     13.3   poil   2.2   E4   5   WATER   99.01669V   2251999 1057   2251999 1057   0358651W   DIP   GAMMA   0.4   L   K40     147   poil   2.2   E4   5   WATER   99.01669V   2251999 1057   2251999 1057   0358651W   DIP   GAMMA   0.4   L   R4234m   650   880     poil   2.2   E4   5   WATER   99.01669V   2251999 1057   2251999 1057   0358651W   DIP   GAMMA   0.4   L   R4228     43.8   poil   2.2   E4   5   WATER   99.01669V   2251999 1057   2251999 1057   0358651W   DIP   GAMMA   0.4   L   R4228     43.8   poil   2.2   E4   10   WATER   99.01695   2251999 1057   2251999 1057   0358651W   DIP   GAMMA   0.4   L   R4228     43.8   poil   2.2   E4   10   WATER   99.01695   2251999 1057   2251999 1057   0358630C   GAMMA   0.4   L   Bal10   H44   poil   2.2   E4   10   WATER   99.01695   2251999 1057   2251999 1057   0358630C   GAMMA   0.4   L   Bal10   E4   E4   E4   E4   E4   E4   E4   E											L		ļ	<u> </u>			2/25/1999
E4 5 WATER 99.01669V 2251999 1057 0386651W DLP GAMMA 0.4 L 1313																	2/25/1999
E4		-															2/25/1999
E4				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													2/25/1999
E4															147		2/25/1999
E4   5   WAITER   99.01060V   225/1999 1057   225/1999 1057   0338630V   GAMMA   0.4   L   Ra228   4.38   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   Bal40   144   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   Bal22   110   130   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   C660   13.4   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   025/1999 1057   03386230C   GAMMA   0.4   L   C3134   16.3   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   225/1999 1057   03386230C   GAMMA   0.4   L   C3137   14.5   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   225/1999 1057   03386230C   GAMMA   0.4   L   C3137   14.5   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   225/1999 1057   03386230C   GAMMA   0.4   L   K313   K369   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   025/1999 1057   03386230C   GAMMA   0.4   L   Ra226   Ra23   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   Ra226   Ra23   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   Ra226   Ra23   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   Ra226   Ra23   pcil   2.2   E4   10   WAITER   99.01059C   225/1999 1057   03386230C   GAMMA   0.4   L   Ra226   Ra23   pcil   2.2   E4   Ra23   Ra24											L		650	880			2/25/1999
E4 10 WATER 99.0169C 225(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L Bal-0 144 pcir. 2 E4 10 WATER 99.0169C 225(1999 1057 03)86230C GAMMA 0.4 L Bal-0 130 pcir. 2 E4 10 WATER 99.0169C 225(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L C600 13.4 pcir. 2 E4 10 WATER 99.0169C 225(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L C5134 163 pcir. 2 E4 10 WATER 99.0169C 225(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L C5137 145 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L C5137 145 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L C5137 145 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L C5137 145 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 WATER 99.0169C 275(1999 1057 225(1999 1057 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 WATER 99.0169C 275(1999 1153 225(1999 1153 03)86230C GAMMA 0.4 L R420 133 pcir. 2 E4 10 SOIL PORE WATER 99.01227A 2228(1999 1153 03)86457W GAMMA 0.4 L Bal-10 133 pcir. 2 E4 10 SOIL PORE WATER 99.01227A 2228(1999 1153 03)86457W GAMMA 0.4 L C4157 143 pcir. 2 E4 10 SOIL PORE WATER 99.0127A 2228(1999 1153 03)86457W GAMMA 0.4 L C4157 143 pcir. 2 E4 10 SOIL PORE WATER 99.0127A 2228(1999 1153 03)86457W GAMMA 0.4 L R420 133 pcir. 2 E4 10 SOIL PORE WATER 99.0127A 2228(1999 1153 03)86457W GAMMA 0.4 L R420 133 pcir. 2 E4 10 SOIL PORE WATER 99.0164X 225(1999 1057 03)86200 GAMMA 0.4 L R420 133 pcir. 2 E4 10 SOIL PORE WATER 99.0164X 225(1999 1057 03)86200 GAMMA 0.4 L R420 133 pcir. 2 E4 10 SOIL PORE WATER 99.01654X 225(1999 1057 03)86200 GAMMA 0.4 L R420 133 pcir. 2 E4 10 SOIL PORE WATER 99.01654X 225(1999 1057 03)86											L						2/25/1999
E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L Bi212 110 130 pcit. 22 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L CS134 16.3 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L CS134 16.3 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L CS137 14.5 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L CS137 14.5 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L K40 132 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L K40 132 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L K40 132 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L R4228 43.8 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 225(1999 10-57 03)86230C GAMMA 0.4 L R4228 43.8 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 03)86230C GAMMA 0.4 L R4228 43.8 pcit. 2 E4 10 WATER 99.01059C 225(1999 10-57 03)86230C GAMMA 0.4 L R4228 43.8 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L R4228 44.38 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L CS137 14.3 pcit. 2 E4 10 SOIL PORE WATER 99.0127A 228(1999 11-53 03)86457W GAMMA 0.4 L R4228 14.4 pcit. 2 E4 10 SOIL PORE WATER 99.01054 228(1999 11-53 03)86457W GAMMA 0.4 L R4228 14.4 pcit. 2 E4 10 SOIL PORE WATER 99.01054 228(1999 11-57 03)86200 GAMMA 0.4 L R4226 2 Pcit. 2 E4 10 SOIL								DUP			L						2/25/1999
F4															144		2/25/1999
Fig.   Fig.													110	130			2/25/1999
F4											2						2/25/1999
E4											L						2/25/1999
E4											L						2/25/1999
E4																	2/25/1999
E4 10 WATER 99.0169C 225/1999 11:57 225/1999 10:57 00386230C GAMMA 0.4 L Ra228 43.8 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L Bal40 135 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 00386457W GAMMA 0.4 L C660 13.9 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L C6134 15.8 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L C5134 15.8 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L C5137 14.3 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L C5137 14.3 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L K40 135 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L K40 135 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L Ra226 222 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L Ra226 222 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L Ra226 222 pci/L 22 E10 SOIL PORE WATER 99.0127A 228/1999 11:53 228/1999 11:53 00386457W GAMMA 0.4 L Ra228 47.7 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L Bal40 9.92.2 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L Bal40 9.92.2 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L K40 1131 42.4 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L K40 1131 42.4 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L Ra226 226 229 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L RA226 226 229 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L RA226 226 229 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L RA226 226 229 pci/L 22 E10 NS WATER 99.01054X 228/1999 10:57 0038620A GAMMA 0.4 L RA226 226 229 pci/L 22 E10 NS WATER 99.010554 228/1999																	2/25/1999
EIO SOIL PORE WATER 99.01227A 2/28/1999 11:53																F	2/25/1999
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E10 NS WATER 99.01054X 2/25/1999 10:57 2/25/1999 10:57 00386220A GAMMA 0.4 L Ra228 45.6 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L Ba140 84.4 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L Co60 15.7 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L Cs137 13.6 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L Cs137 13.6 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 00386224E GAMMA 0.4 L 1131 41 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L 1131 41 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01057 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 1 E10 1 E10 1 WATER 99								$\vdash$					<del>                                     </del>	1			2/25/1999
E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L Ba140 84.4 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L Co60 15.7 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L Co137 13.6 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L Co137 13.6 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L 1131 41 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 168 pci/L 2/2 E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 1 E10 1 E10 1 WATER 99.01056Z 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 1 E10 1 E10 1 WATER 99.01056Z 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 1 E10 1 E10 1 WATER 99.01056Z 2/25/1999 10:57 0038624E GAMMA 0.4 L K40 1 E10 1 E10 1 E10 1 E10 1 E10 1 E10 1 E10 1 E10 1 E10 1 E10 1 E10 1 E																	2/25/1999
E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L Co60 15.7 pci/L 2/ E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L Cs137 13.6 pci/L 2/ E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L 1131 41 pci/L 2/ E10 1 WATER 99.01056Z 2/25/1999 10:57 2/25/1999 10:57 00386224E GAMMA 0.4 L K40 168 pci/L 2/								$\vdash$					<del>                                     </del>	1			2/25/1999
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Appendix 10. Gamma radiation in water from field sampling, February 1999.

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*	T . ID	34	NAPEZ ID	G 11	G 11 . F 1		00			** *.			A+CCX1	Marc	** **	
Location E10	Lateral Distance (m)	Matrix WATER	99 01051U	Collect Start 2/25/1999 10:57	2/25/1999 10:57	Analytical ID 00386214C	QC	Procedure GAMMA	Aliquot 0.4	Unit L.	Analyte Ba140	Conc.	2*CSU	MDC 120	Unit pci/L	Res. Date 2/25/1999
E10	5	WATER	99.01051U 99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386214C 00386214C		GAMMA	0.4	L	Co60			20.4	pci/L	2/25/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386214C		GAMMA	0.4	L	Cs137			18.9	pci/L	2/25/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386214C		GAMMA	0.4	L	I131			54.7	pci/L	2/25/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386214C		GAMMA	0.4	L	K40	190	100	5 1.7	pci/L	2/25/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386214C		GAMMA	0.4	L	Ra226			306	pci/L	2/25/1999
E10	5	WATER	99.01051U	2/25/1999 10:57	2/25/1999 10:57	00386214C		GAMMA	0.4	L	Ra228			64.3	pci/L	2/25/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386228J		GAMMA	0.4	L	Ba140			142	pci/L	2/25/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386228J		GAMMA	0.4	L	Co60			16.2	pci/L	2/25/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386228J		GAMMA	0.4	L	Cs134			17.5	pci/L	2/25/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386228J		GAMMA	0.4	L	Cs137			14.2	pci/L	2/25/1999
E10	10	WATER	99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386228J		GAMMA	0.4	L	I131	50	100	81.9	pci/L	2/25/1999
E10 E10	10 10	WATER WATER	99.01058B 99.01058B	2/25/1999 10:57 2/25/1999 10:57	2/25/1999 10:57 2/25/1999 10:57	00386228J 00386228J		GAMMA GAMMA	0.4	L	K40 Ra226	50	100	299	pci/L pci/L	2/25/1999 2/25/1999
E10	10	WATER	99.01038B 99.01058B	2/25/1999 10:57	2/25/1999 10:57	00386228J		GAMMA	0.4	L	Ra228		1	45.1	pci/L	2/25/1999
MW	SOIL	PORE WATER	99.01038B 99.01220T	2/28/1999 10:37	2/28/1999 10:37	00386443P		GAMMA	0.4	L	Ba140			121	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	Co60			12.9	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	Cs137			12.3	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	I131			59.8	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	K40			136	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	Ra226	520	190		pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	Ra228			42.1	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386443P		GAMMA	0.4	L	Th234	360	130		pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	Ba140			168	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	Bi212	80	120		pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	Co60			14	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	Cs134			16.9	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	Cs137			13.2	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	I131			90.5	pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	K40	60	100		pci/L	2/28/1999
MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP	GAMMA	0.4	L	Pa234m	700	920		pci/L	2/28/1999
MW MW	SOIL	PORE WATER	99.01220T	2/28/1999 11:48	2/28/1999 11:48	00386653Y	DUP DUP	GAMMA	0.4	L	Ra226	500	250	46.1	pci/L	2/28/1999
MW	SOIL SOIL	PORE WATER PORE WATER	99.01220T 99.01220T	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00386653Y 00386653Y	DUP	GAMMA GAMMA	0.4	L	Ra228 Th234	230	170	46.1	pci/L pci/L	2/28/1999 2/28/1999
MW	NS	WATER	99.012201 99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L	DUP	GAMMA	0.4	L	Ba140	230	170	106	pci/L	2/25/1999
MW	NS NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	L	Co60			12.7	pci/L	2/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	L	Cs137			12.7	pci/L	2/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	I.	I131			53.3	pci/L	2/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	L	K40			124	pci/L	2/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	L	Ra226			209	pci/L	2/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	L	Ra228			42	pci/L	2/25/1999
MW	NS	WATER	99.01071Y	2/25/1999 11:19	2/25/1999 11:19	00386254L		GAMMA	0.4	L	TI208	7.5	9.1		pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	Ba140			102	pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	Bi214	14	20		pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	Co60			14.8	pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	Cs137			14.1	pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	I131	1		52.3	pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	K40		10	146	pci/L	2/25/1999
MW	1	WATER	99.01069E	2/25/1999 11:19	2/25/1999 11:19	00386250G		GAMMA	0.4	L	Pb212	11	18	247	pci/L	2/25/1999
MW MW	1	WATER WATER	99.01069E 99.01069E	2/25/1999 11:19 2/25/1999 11:19	2/25/1999 11:19 2/25/1999 11:19	00386250G 00386250G		GAMMA GAMMA	0.4	L L	Ra226 Ra228	1	-	246 38.6	pci/L	2/25/1999 2/25/1999
MW	5	WATER	99.01069E 99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386250G 00386252J		GAMMA	0.4	L	Ra228 Ba140			38.6 155	pci/L pci/L	2/25/1999
MW	5	WATER	99.01070X 99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386252J 00386252J	<del>                                     </del>	GAMMA	0.4	L	Co60	1	1	21.3	pci/L	2/25/1999
MW	5	WATER	99.01070X 99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386252J	<del>                                     </del>	GAMMA	0.4	L	Cs137	1	1	18.1	pci/L	2/25/1999
MW	5	WATER	99.01070X 99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386252J		GAMMA	0.4	I	I131	<b> </b>		74.3	pci/L	2/25/1999
MW	5	WATER	99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386252J		GAMMA	0.4	L	K40	<del>                                     </del>		120	pci/L	2/25/1999
MW	5	WATER	99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386252J		GAMMA	0.4	I.	Ra226			307	pci/L	2/25/1999
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	>>.0.0.0.0.1	3/20/1/// 11.1/	=======================================	000002020	<u> </u>	0			144220	1	1	201	Pent	2,20,1777

Appendix 10. Gamma radiation in water from field sampling, February 1999.

				I	I	1	1			1		1			1	
Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
MW	5	WATER	99.01070X	2/25/1999 11:19	2/25/1999 11:19	00386252J	QC	GAMMA	0.4	L	Ra228	Conc.	2 CSC	59	pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	Ba140				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	Co60				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	Cs134				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	Cs137				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	I131				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	K40	46.3	89		pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	Ra226				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	Ra228				pci/L	2/25/1999
MW	10	WATER	99.01052V	2/25/1999 0:00	2/25/1999 0:00	0000866L		GAMMA	0.4	L	U235				pci/L	2/25/1999
D2	SOIL	PORE WATER	99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	Ba140			146	pci/L	2/28/1999
D2	SOIL	PORE WATER	99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	Co60			14.7	pci/L	2/28/1999
D2	SOIL	PORE WATER	99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	Cs134			15.3	pci/L	2/28/1999
D2	SOIL	PORE WATER	99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	Cs137			12.7	pci/L	2/28/1999
D2	SOIL	PORE WATER	99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	I131	00	100	76.6	pci/L	2/28/1999
D2 D2	SOIL	PORE WATER	99.01228B 99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	K40	80	100 250		pci/L	2/28/1999
D2 D2	SOIL SOIL	PORE WATER PORE WATER	99.01228B 99.01228B	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386459Y 00386459Y		GAMMA GAMMA	0.4	L L	Ra226 Ra228	650	250	44.7	pci/L	2/28/1999 2/28/1999
D2	SOIL	PORE WATER	99.01228B 99.01228B	2/28/1999 11:53	2/28/1999 11:53	00386459Y		GAMMA	0.4	L	U235	41	15	44./	pci/L pci/L	2/28/1999
D2	NS	WATER	99.01228B 99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258O		GAMMA	0.4	L	Ba140	41	13	80.1	pci/L	2/25/1999
D2	NS NS	WATER	99.01073A 99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258Q		GAMMA	0.4	L	Co60		1	11.7	pci/L	2/25/1999
D2	NS NS	WATER	99.01073A 99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258Q 00386258Q		GAMMA	0.4	L	Cs137		1	10.1	pci/L	2/25/1999
D2	NS	WATER	99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258Q		GAMMA	0.4	L	I131	1		40.4	pci/L	2/25/1999
D2	NS	WATER	99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258Q		GAMMA	0.4	L	K40			113	pci/L	2/25/1999
D2	NS	WATER	99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258Q		GAMMA	0.4	L	Pa234m	660	530	113	pci/L	2/25/1999
D2	NS	WATER	99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258Q		GAMMA	0.4	L	Ra226		220	165	pci/L	2/25/1999
D2	NS	WATER	99.01073A	2/25/1999 11:19	2/25/1999 11:19	00386258O		GAMMA	0.4	L	Ra228			34	pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	Ba140			102	pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	Co60			15.6	pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	Cs137			13.8	pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	I131			51.9	pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	K40	137	74		pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	Ra226			221	pci/L	2/25/1999
D2	1	WATER	99.01072Z	2/25/1999 11:19	2/25/1999 11:19	00386256N		GAMMA	0.4	L	Ra228			45.7	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	Ba140			122	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	Co60			14	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	Cs137			13.6	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	I131			59.8	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	K40		ļ	164	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	Ra226	1		247	pci/L	2/25/1999
D2	5	WATER	99.01065A	2/25/1999 11:19	2/25/1999 11:19	00386242G		GAMMA	0.4	L	Ra228		<u> </u>	39.2	pci/L	2/25/1999
D2	10	WATER	99.01074B	2/25/1999 11:19	2/25/1999 11:19	00386260J		GAMMA	0.4	L	Ba140		<u> </u>	119	pci/L	2/25/1999
D2	10	WATER	99.01074B	2/25/1999 11:19	2/25/1999 11:19	00386260J	1	GAMMA	0.4	L	Co60	1	1	17	pci/L	2/25/1999
D2	10	WATER	99.01074B	2/25/1999 11:19	2/25/1999 11:19	00386260J	1	GAMMA	0.4	L	Cs137	1	1	13.3	pci/L	2/25/1999
D2	10	WATER	99.01074B	2/25/1999 11:19	2/25/1999 11:19	00386260J		GAMMA	0.4	L	I131	1	-	53.7	pci/L	2/25/1999
D2	10	WATER	99.01074B	2/25/1999 11:19	2/25/1999 11:19	00386260J 00386260J	1	GAMMA	0.4	L	K40	1	1	155	pci/L	2/25/1999
D2 D2	10 10	WATER WATER	99.01074B 99.01074B	2/25/1999 11:19 2/25/1999 11:19	2/25/1999 11:19	00386260J 00386260J	-	GAMMA GAMMA	0.4	L L	Ra226 Ra228	+	<del>                                     </del>	210 44.2	pci/L	2/25/1999 2/25/1999
D2 D4	SOIL	PORE WATER	99.01074B 99.01217Y	2/25/1999 11:19	2/25/1999 11:19 2/28/1999 11:48	00386260J 00387177V	1	GAMMA	0.4	L L	Ra228 Ba140	+	1	120	pci/L pci/L	2/25/1999
D4	SOIL	PORE WATER	99.01217Y 99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V 00387177V		GAMMA	0.4	L	Co60	1	1	9.83	pci/L	2/28/1999
D4	SOIL	PORE WATER	99.01217Y 99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V 00387177V		GAMMA	0.4	L	Cs134	1		9.83	pci/L	2/28/1999
D4	SOIL	PORE WATER	99.01217Y 99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V 00387177V		GAMMA	0.4	L	Cs134 Cs137	+	<del>                                     </del>	10.4	pci/L	2/28/1999
D4	SOIL	PORE WATER	99.01217Y 99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V 00387177V		GAMMA	0.4	I.	I131	+	<del>                                     </del>	68	pci/L	2/28/1999
D4	SOIL	PORE WATER	99.012171 99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V 00387177V		GAMMA	0.4	I.	K40	49	86	00	pci/L	2/28/1999
D4	SOIL	PORE WATER	99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V		GAMMA	0.4	L	Ra226	490	210		pci/L	2/28/1999
D4	SOIL	PORE WATER	99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V		GAMMA	0.4	L	Ra228	.,,,		34.4	pci/L	2/28/1999
D4	SOIL	PORE WATER	99.01217Y	2/28/1999 11:48	2/28/1999 11:48	00387177V		GAMMA	0.4	L	U235	31	13		pci/L	2/28/1999

Appendix 10. Gamma radiation in water from field sampling, February 1999.

	1			ı	T	I	1		1	1	l	1	1	1	1	I
Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J	QC	GAMMA	0.4	L	Ba140	Conc.	2 CSU	112	pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	Co60			13.4	pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	Cs137			12.6	pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	I131			58.9	pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	K40			142	pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	Pb212	16	16		pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	Ra226			244	pci/L	2/25/1999
D4	NS	WATER	99.01066B	2/25/1999 11:19	2/25/1999 11:19	00386244J		GAMMA	0.4	L	Ra228			44.2	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	Ba140			156	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	Co60			21.1	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	Cs137			15.9	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	I131			69.2	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	K40			188	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	Ra226			216	pci/L	2/25/1999
D4	1	WATER	99.01063Y	2/25/1999 11:19	2/25/1999 11:19	00386238L		GAMMA	0.4	L	Ra228			69.2	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N		GAMMA	0.4	L	Ba140			105	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N	ļ	GAMMA	0.4	L	Co60	1	ļ	14.9	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N		GAMMA	0.4	L	Cs137	ļ		12.3	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N		GAMMA	0.4	L	I131			57.6	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N		GAMMA	0.4	L	K40			130	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N		GAMMA	0.4	L	Ra226			241	pci/L	2/25/1999
D4	5	WATER	99.01068D	2/25/1999 11:19	2/25/1999 11:19	00386248N		GAMMA	0.4	L	Ra228			39.8	pci/L	2/25/1999
D4	10	WATER	99.01076D	2/25/1999 11:42	2/25/1999 11:42	00386264N		GAMMA	0.4	L	Ba140			99.5	pci/L	2/25/1999
D4	10	WATER	99.01076D	2/25/1999 11:42	2/25/1999 11:42	00386264N		GAMMA	0.4	L	Co60		1	14.8	pci/L	2/25/1999
D4	10	WATER	99.01076D	2/25/1999 11:42	2/25/1999 11:42	00386264N		GAMMA	0.4	L	Cs137		1	12	pci/L	2/25/1999
D4 D4	10	WATER	99.01076D	2/25/1999 11:42	2/25/1999 11:42	00386264N		GAMMA	0.4	L	I131		1	53.8	pci/L	2/25/1999
D4 D4	10	WATER WATER	99.01076D 99.01076D	2/25/1999 11:42 2/25/1999 11:42	2/25/1999 11:42	00386264N		GAMMA	0.4	L	K40	110	180	122	pci/L	2/25/1999
D4	10	WATER	99.01076D 99.01076D	2/25/1999 11:42	2/25/1999 11:42 2/25/1999 11:42	00386264N 00386264N		GAMMA GAMMA	0.4	L L	Ra226 Ra228	110	180	40	pci/L pci/L	2/25/1999 2/25/1999
D4	10	WATER	99.01076D 99.01076D	2/25/1999 11:42	2/25/1999 11:42	00386264N 00386264N		GAMMA	0.4	L	TI208	4.6	8.2	40	pci/L	2/25/1999
D6	SOIL	PORE WATER	99.01070D 99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	I	Ba140	4.0	0.2	137	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A 99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	Co60		1	19.4	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A 99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	Cs137	7.3	5.4	17.4	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A 99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	I131	7.3	3.4	63	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	K40	200	130	0.5	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	Ra226	920	210		pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	Ra228	720	210	60.7	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441		GAMMA	0.4	L	Th234	260	130	00.7	pci/L	2/28/1999
D6	SOIL	PORE WATER	99.01219A 99.01219A	2/28/1999 11:48	2/28/1999 11:48	386441	1	GAMMA	0.4	L	U235	60	12	1	pci/L	2/28/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	Ba140			88.2	pci/L	2/25/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	Co60	<b> </b>		16.5	pci/L	2/25/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	Cs137			12	pci/L	2/25/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	I131			36.6	pci/L	2/25/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	K40			150	pci/L	2/25/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	Ra226			220	pci/L	2/25/1999
D6	NS	WATER	99.01053W	2/25/1999 10:57	2/25/1999 10:57	00386218G		GAMMA	0.4	L	Ra228			48.4	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Ba140			86.7	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Co60			10.4	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Cs137			9.85	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	I131			43.8	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	K40			110	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Pa234m	610	410		pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Pb212	8	12		pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Ra224	68	62		pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Ra226			165	pci/L	2/25/1999
D6	1	WATER	99.01078F	2/25/1999 11:42	2/25/1999 11:42	00386268T		GAMMA	0.4	L	Ra228			34.7	pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	Ba140			135	pci/L	2/25/1999

Appendix 10. Gamma radiation in water from field sampling, February 1999.

	1			I	T	I	1		1	l		1	1	1	1	I
Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E	QC	GAMMA	0.4	L	Co60	Conc.	2 CSC	21.2	pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	Cs137			14.3	pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	I131			64	pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	K40	280	140		pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	Pa234m	1400	790		pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	Ra226			235	pci/L	2/25/1999
D6	5	WATER	99.01064Z	2/25/1999 11:19	2/25/1999 11:19	00386240E		GAMMA	0.4	L	Ra228			50.3	pci/L	2/25/1999
D6 D6	5	WATER	99.01064Z	2/25/1999 11:19 2/25/1999 11:19	2/25/1999 11:19	00386240E 00386240E		GAMMA GAMMA	0.4	L L	Th234 U235	350 68	130 12		pci/L	2/25/1999
D6	10	WATER WATER	99.01064Z 99.01067C	2/25/1999 11:19	2/25/1999 11:19 2/25/1999 11:19	00386240E 00386246L		GAMMA	0.4	L	Ba140	08	12	129	pci/L pci/L	2/25/1999 2/25/1999
D6	10	WATER	99.01067C	2/25/1999 11:19	2/25/1999 11:19	00386246L		GAMMA	0.4	L	Co60			18.6	pci/L	2/25/1999
D6	10	WATER	99.01067C	2/25/1999 11:19	2/25/1999 11:19	00386246L		GAMMA	0.4	L	Cs137			13.5	pci/L	2/25/1999
D6	10	WATER	99.01067C	2/25/1999 11:19	2/25/1999 11:19	00386246L		GAMMA	0.4	L	I131			59.8	pci/L	2/25/1999
D6	10	WATER	99.01067C	2/25/1999 11:19	2/25/1999 11:19	00386246L		GAMMA	0.4	L	K40			229	pci/L	2/25/1999
D6	10	WATER	99.01067C	2/25/1999 11:19	2/25/1999 11:19	00386246L		GAMMA	0.4	L	Ra226			233	pci/L	2/25/1999
D6	10	WATER	99.01067C	2/25/1999 11:19	2/25/1999 11:19	00386246L		GAMMA	0.4	L	Ra228			53.8	pci/L	2/25/1999
D8	SOIL	PORE WATER	99.01225Y	2/28/1999 11:53	2/28/1999 11:53	00386453R		GAMMA	0.4	L	Ba140			88.8	pci/L	2/28/1999
D8	SOIL	PORE WATER	99.01225Y	2/28/1999 11:53	2/28/1999 11:53	00386453R		GAMMA	0.4	L	Co60			11.3	pci/L	2/28/1999
D8	SOIL	PORE WATER	99.01225Y	2/28/1999 11:53	2/28/1999 11:53	00386453R		GAMMA	0.4	L	Cs137			10.1	pci/L	2/28/1999
D8	SOIL	PORE WATER	99.01225Y	2/28/1999 11:53	2/28/1999 11:53	00386453R		GAMMA	0.4	L	I131			41.2	pci/L	2/28/1999
D8	SOIL	PORE WATER	99.01225Y	2/28/1999 11:53	2/28/1999 11:53	00386453R		GAMMA	0.4	L	K40	(20	450	102	pci/L	2/28/1999
D8	SOIL	PORE WATER	99.01225Y	2/28/1999 11:53	2/28/1999 11:53	00386453R 00386453R		GAMMA	0.4	L	Pa234m	620	450	165	pci/L	2/28/1999
D8	SOIL SOIL	PORE WATER PORE WATER	99.01225Y 99.01225Y	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386453R 00386453R		GAMMA GAMMA	0.4	L L	Ra226 Ra228	1		165 33	pci/L pci/L	2/28/1999 2/28/1999
D8	NS	WATER	99.012231 99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386433R 00386194R		GAMMA	0.4	L	Ba140			109	pci/L	2/25/1999
D8	NS NS	WATER	99.01041R 99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	I	Co60			13.4	pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	Cs134			15.1	pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	Cs137			14.8	pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	I131			51.9	pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	K40			170	pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	Pb212	14	19		pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	Ra226	150	240		pci/L	2/25/1999
D8	NS	WATER	99.01041R	2/25/1999 10:51	2/25/1999 10:51	00386194R		GAMMA	0.4	L	Ra228			46.4	pci/L	2/25/1999
D8	1	WATER	99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386200W		GAMMA	0.4	L	Ba140			118	pci/L	2/25/1999
D8	1	WATER	99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386200W		GAMMA	0.4	L	Co60			15.7	pci/L	2/25/1999
D8	1	WATER	99.01044V 99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386200W		GAMMA	0.4	L	Cs134			15.3	pci/L	2/25/1999
D8 D8	1	WATER WATER	99.01044V 99.01044V	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386200W 00386200W		GAMMA GAMMA	0.4	L L	Cs137 I131			16 58.4	pci/L pci/L	2/25/1999 2/25/1999
D8	1	WATER	99.01044V 99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386200W		GAMMA	0.4	L	K40	1		118	pci/L	2/25/1999
D8	1	WATER	99.01044V 99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386200W		GAMMA	0.4	L	Ra226		1	301	pci/L	2/25/1999
D8	1	WATER	99.01044V	2/25/1999 10:51	2/25/1999 10:51	00386200W	1	GAMMA	0.4	L	Ra228	1	1	40.9	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	Ba140			70.2	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	Co60			12.3	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	Cs137			9.81	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	I131			30.8	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	K40			102	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	Pb212	9	12		pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C		GAMMA	0.4	L	Ra226	ļ		169	pci/L	2/25/1999
D8	5	WATER	99.01055Y	2/25/1999 10:57	2/25/1999 10:57	00386222C	ļ	GAMMA	0.4	L	Ra228		1	32.6	pci/L	2/25/1999
D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386204A		GAMMA	0.4	L	Ba140	-		134	pci/L	2/25/1999
D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386204A	-	GAMMA	0.4	L	Co60	1	<b> </b>	17.3	pci/L	2/25/1999
D8 D8	10 10	WATER WATER	99.01046X 99.01046X	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386204A 00386204A	1	GAMMA GAMMA	0.4	L	Cs134 Cs137	<u> </u>		16.9 14.9	pci/L pci/L	2/25/1999 2/25/1999
D8	10	WATER	99.01046X 99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386204A 00386204A		GAMMA	0.4	I	I131	<u> </u>		79.8	pci/L	2/25/1999
D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386204A	1	GAMMA	0.4	L	K40	<u> </u>		147	pci/L	2/25/1999
D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386204A		GAMMA	0.4	L	Ra226	160	250	1.,	pci/L	2/25/1999
D8	10	WATER	99.01046X	2/25/1999 10:51	2/25/1999 10:51	00386204A		GAMMA	0.4	L	Ra228			46.4	pci/L	2/25/1999

Appendix 10. Gamma radiation in water from field sampling, February 1999.

	I		ı	I		1			1	I		1	ı		1	
Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P	QC	GAMMA	0.4	L	Ba140	Conc.	2 CSU	112	pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	Co60			16.7	pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	Cs137			13.3	pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	I131			56.3	pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	K40	200	110		pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	Pa234m	950	660		pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	Ra226			219	pci/L	2/28/1999
D10	SOIL	PORE WATER	99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L	Ra228	400	120	44.6	pci/L	2/28/1999
D10 D10	SOIL SOIL	PORE WATER PORE WATER	99.01224X 99.01224X	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386451P 00386451P		GAMMA GAMMA	0.4	L	Th234 TI208	490 6.7	130 9.6		pci/L	2/28/1999 2/28/1999
D10	SOIL	PORE WATER	99.01224X 99.01224X	2/28/1999 11:53	2/28/1999 11:53	00386451P		GAMMA	0.4	L L	U235	70	12		pci/L pci/L	2/28/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	Ba140	/0	12	159	pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	Co60			16.4	pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	Cs134			17.3	pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	Cs137			15.2	pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	I131			89.3	pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	K40	52	99		pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	Ra226			296	pci/L	2/25/1999
D10	NS	WATER	99.01061W	2/25/1999 10:57	2/25/1999 10:57	00386234G		GAMMA	0.4	L	Ra228			46	pci/L	2/25/1999
D10	5	WATER	99.01043U	2/25/1999 10:51	2/25/1999 10:51	00386198W		GAMMA	0.4	L	Ba140			107	pci/L	2/25/1999
D10	5	WATER	99.01043U	2/25/1999 10:51	2/25/1999 10:51	00386198W		GAMMA	0.4	L	Co60			15.9	pci/L	2/25/1999
D10	5	WATER	99.01043U	2/25/1999 10:51	2/25/1999 10:51	00386198W		GAMMA	0.4	L	Cs134			16.8	pci/L	2/25/1999
D10	5	WATER	99.01043U	2/25/1999 10:51	2/25/1999 10:51	00386198W		GAMMA	0.4	L	Cs137			14.7 53.2	pci/L	2/25/1999
D10 D10	5	WATER WATER	99.01043U 99.01043U	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386198W 00386198W		GAMMA GAMMA	0.4	L L	I131 K40			141	pci/L	2/25/1999 2/25/1999
D10 D10	5	WATER	99.01043U 99.01043U	2/25/1999 10:51	2/25/1999 10:51	00386198W		GAMMA	0.4	L I	Ra226	1	1	298	pci/L pci/L	2/25/1999
D10	5	WATER	99.01043U	2/25/1999 10:51	2/25/1999 10:51	00386198W		GAMMA	0.4	L	Ra228			46.4	pci/L	2/25/1999
D10	10	WATER	99.01040O	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	Ba140			107	pci/L	2/25/1999
D10	10	WATER	99.01040O	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	Co60			16.6	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	Cs134			15	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	Cs137			15.5	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	I131			49.7	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	K40			129	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	Ra226			297	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386192P		GAMMA	0.4	L	Ra228			44.2	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386649C	DUP	GAMMA	0.4	L	Ba140			145	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386649C	DUP	GAMMA	0.4	L	Co60			15.9	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386649C	DUP	GAMMA	0.4	L	Cs134			16.6	pci/L	2/25/1999
D10 D10	10 10	WATER WATER	99.01040Q 99.01040O	2/25/1999 10:51 2/25/1999 10:51	2/25/1999 10:51 2/25/1999 10:51	00386649C 00386649C	DUP DUP	GAMMA GAMMA	0.4	L L	Cs137 I131	-	<b>_</b>	15.9 79.3	pci/L pci/L	2/25/1999 2/25/1999
D10 D10	10	WATER	99.01040Q 99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386649C	DUP	GAMMA	0.4	I.	K40	<u> </u>	<u> </u>	155	pci/L	2/25/1999
D10	10	WATER	99.01040Q 99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386649C	DUP	GAMMA	0.4	L	Ra226	<u> </u>	1	306	pci/L	2/25/1999
D10	10	WATER	99.01040Q	2/25/1999 10:51	2/25/1999 10:51	00386649C	DUP	GAMMA	0.4	L	Ra228			48.1	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	Ba140			112	pci/L	2/25/1999
OCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	Co60			17.4	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	Cs137			15.5	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	I131			45.7	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	K40			222	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	Ra226			215	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01047Y	2/25/1999 10:51	2/25/1999 10:51	00386206C		GAMMA	0.4	L	Ra228	ļ		60.6	pci/L	2/25/1999
ROCEDURE BLAN	BLANK	WATER	99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386439U		GAMMA	0.4	L	Ba140	ļ	ļ	109	pci/L	2/28/1999
OCEDURE BLAN	BLANK	WATER	99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386439U	<b> </b>	GAMMA	0.4	L	Co60	<u> </u>	<u> </u>	14.3	pci/L	2/28/1999
OCEDURE BLAN	BLANK	WATER	99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386439U		GAMMA	0.4	L	Cs137	<u> </u>	<u> </u>	13.2	pci/L	2/28/1999
ROCEDURE BLAN ROCEDURE BLAN	BLANK BLANK	WATER WATER	99.01218Z 99.01218Z	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00386439U 00386439U	+	GAMMA GAMMA	0.4	L L	I131 K40	1	<b> </b>	54.9 121	pci/L	2/28/1999 2/28/1999
OCEDURE BLAN	BLANK BLANK	WATER	99.01218Z 99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386439U 00386439U	1	GAMMA	0.4	I L	Ra226	<u> </u>		215	pci/L pci/L	2/28/1999
OCEDURE BLAN	BLANK	WATER	99.01218Z 99.01218Z	2/28/1999 11:48	2/28/1999 11:48	00386439U	1	GAMMA	0.4	L	Ra228			42.4	pci/L	2/28/1999
COCEDURE BLAN	DLAINK	WAILK	77.U1410L	4/40/1777 11.40	2/20/1777 11.40	00300 <del>4</del> 37U	1 1	UAIMIMA	0.4	L	Na220	1	1	44.4	pci/L	2/20/1777

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

			1			I			l						
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	r <b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									V				
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7429-90-5	Aluminum	12.3		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-36-0	Antimony	0.00953	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-38-2	Arsenic	0.0428	U			6/4/1999	3051/6020	Medium	Yes
CHW	Soil	ATLAS MILL SITE	99.01212T	2/28/1999	SOIL	7440-39-3	Barium	3.25		В		6/8/1999	3051/6020	Medium	Yes
CHW	5011	ATLAS MILL	99.012121	2/28/1999	SOIL	/440-39-3	Вапиш	3.23		В		0/8/1999	3031/6020	Medium	res
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-41-7	Beryllium	0.00826	U			6/7/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-43-9	Cadmium	0.00837	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-70-2	Calcium	128		В		6/4/1999	3051/6020	Medium	Yes
CHW	Soil	ATLAS MILL	00.01212T	2/29/1000	SOIL	7440-47-3	Characterista	0.0126		D		6/4/1000	2051/6020	Madiana	Van
CHW	5011	SITE ATLAS MILL	99.01212T	2/28/1999	SOIL	/440-47-3	Chromium	0.0126		В		6/4/1999	3051/6020	Medium	Yes
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-48-4	Cobalt	0.013	U			6/7/1999	3051/6020	Medium	Yes
CIIV	5011	ATLAS MILL	)).U12121	2/20/1999	JOIL	7.1.0 10 1	cooun	0.013				0, ,, 1999	3021/0020	1110010111	105
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-50-8	Copper	0.0142	U			6/7/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7439-89-6	Iron	10.1		В		6/4/1999	3051/6020	Medium	Yes
CHW	0.7	ATLAS MILL	00 01212T	2/20/1000	COIL	7420 02 1	T 1	0.0156		D		6/4/1000	2051/6020	Matter	W.
CHW	Soil	SITE ATLAS MILL	99.01212T	2/28/1999	SOIL	7439-92-1	Lead	0.0156		В		6/4/1999	3051/6020	Medium	Yes
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7439-95-4	Magnesium	9.89		В		6/4/1999	3051/6020	Medium	Yes
CIIV	5011	ATLAS MILL	77.012121	2/20/17/7	DOIL	7.55 50 .		7.07				0/ 1/1999	3001/0020	1110414111	100
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7439-96-5	Manganese	0.95		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7439-97-6	Mercury	0.0327	U			3/19/1999	7471A	Medium	Yes
CHW	0.7	ATLAS MILL	00 01212T	2/20/1000	COIL	7440.02.0	NE J. J	0.112				6/7/1000	2051/6020	Matter	W.
CHW	Soil	SITE ATLAS MILL	99.01212T	2/28/1999	SOIL	7440-02-0	Nickel	0.113	U			6/7/1999	3051/6020	Medium	Yes
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-09-7	Potassium	6.48		В		6/4/1999	3051/6020	Medium	Yes
CIIV	5011	ATLAS MILL	)).U12121	2/20/17/7	BOIL	7.1.0 07 7	1 Ottobrani	0.10				0/ 1/1999	3051,0020	1110414111	100
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7782-49-2	Selenium	0.214	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-22-4	Silver	0.0269	U			6/4/1999	3051/6020	Medium	Yes
CHIV	0.7	ATLAS MILL	00.012127	2/20/1000	COTT	7440.22.5	0.2	2 42				6/0/1000	2051/6020	M. P.	
CHW	Soil	SITE ATLAS MILL	99.01212T	2/28/1999	SOIL	7440-23-5	Sodium	3.43		В		6/8/1999	3051/6020	Medium	Yes
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-28-0	Thallium	0.0148	U			6/4/1999	3051/6020	Medium	Yes
21111	2011	ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,20,1777	JOIL	, 20 0		0.0110				5, ,, 1,,,,	5051/0020	caram	105
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-62-2	Vanadium	0.0274		В	<u> </u>	6/4/1999	3051/6020	Medium	Yes
_		ATLAS MILL											_		
CHW	Soil	SITE	99.01212T	2/28/1999	SOIL	7440-66-6	Zinc	0.0376	U	ļ		6/7/1999	3051/6020	Medium	Yes
1.137	0.7	ATLAS MILL	00.0102037	2/20/1000	COIL	7420.00.5	A1	57.0				6/4/1000	2051/6020	Matter	7/
UX	Soil	SITE ATLAS MILL	99.01038X	2/28/1999	SOIL	7429-90-5	Aluminum	57.9		-		6/4/1999	3051/6020	Medium	Yes
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-36-0	Antimony	0.00955	U			6/4/1999	3051/6020	Medium	Yes
U11	50	DILL	)).01030A	5,50,1777	JUL	7.10300	- incliniony	0.00755		<u> </u>		0, ,, 1, , , ,	3051,0020	cara	1 05

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)		NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		Qualifier	s	Date Analyzed	Method	Texture:	Artifacts:
							·	**	(	đ	Q	·			
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-38-2	Arsenic	0.0429	U			6/4/1999	3051/6020	Medium	Yes
UX	Soil	ATLAS MILL SITE	99.01038X	2/28/1999	SOIL	7440-39-3	Barium	2.11		В		6/4/1999	3051/6020	Medium	Yes
UX	5011	ATLAS MILL	99.01038A	2/28/1999	SOIL	/440-39-3	Вапит	2.11		В		0/4/1999	3031/6020	Medium	res
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-41-7	Beryllium	0.00828	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-43-9	Cadmium	0.00839	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
UX	Soil	SITE ATLAS MILL	99.01038X	2/28/1999	SOIL	7440-70-2	Calcium	205		В		6/4/1999	3051/6020	Medium	Yes
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-47-3	Chromium	0.0653		В		6/4/1999	3051/6020	Medium	Yes
OA	5011	ATLAS MILL	77.01036A	2/20/1777	SOIL	7440-47-3	Cinolinum	0.0055		В		0/4/1///	3031/0020	iviculum	103
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-48-4	Cobalt	0.0158		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-50-8	Copper	0.0367		В		6/4/1999	3051/6020	Medium	Yes
UX	0.1	ATLAS MILL	99.01038X	2/20/1000	SOIL	7420.00.6	T	49.1				6/4/1000	2051/6020	M. F	37
UA	Soil	SITE ATLAS MILL	99.01038A	2/28/1999	SUIL	7439-89-6	Iron	49.1				6/4/1999	3051/6020	Medium	Yes
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7439-92-1	Lead	0.0503		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7439-95-4	Magnesium	31.8		В		6/4/1999	3051/6020	Medium	Yes
1177	0.7	ATLAS MILL	00.0102037	2/20/1000	COIL	7420.06.5		1.25		ъ.		6/4/1000	2051/6020	) ( ) (	37
UX	Soil	SITE ATLAS MILL	99.01038X	2/28/1999	SOIL	7439-96-5	Manganese	1.35		В		6/4/1999	3051/6020	Medium	Yes
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7439-97-6	Mercury	0.0328	U			3/9/1999	7471A	Medium	Yes
		ATLAS MILL				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************					, ,,,,,,,		- 10
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-02-0	Nickel	0.113	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-09-7	Potassium	22.4		В		6/4/1999	3051/6020	Medium	Yes
UX	Soil	ATLAS MILL SITE	99.01038X	2/28/1999	SOIL	7782-49-2	Selenium	0.214	U			6/4/1999	3051/6020	Medium	Yes
UX	5011	ATLAS MILL	99.01038X	2/26/1999	SOIL	1182-49-2	Scientum	0.214	0			0/4/1999	3031/0020	Medium	1 65
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-22-4	Silver	0.0269	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-23-5	Sodium	3.65		В		6/4/1999	3051/6020	Medium	Yes
UX	Soil	ATLAS MILL SITE	99.01038X	2/28/1999	SOIL	7440-28-0	Thallium	0.0148	U			6/4/1999	3051/6020	Medium	Yes
UA	3011	ATLAS MILL	77.01036A	2/20/1777	SUIL	/440-20-0	Hamuill	0.0146	U			0/4/1777	5051/0020	Medium	1 08
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-62-2	Vanadium	0.143		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	Soil	SITE	99.01038X	2/28/1999	SOIL	7440-66-6	Zinc	0.195		В		6/4/1999	3051/6020	Medium	Yes
111	0.7	ATLAS MILL	00.0102577	2/20/1000	COIL	7420.00.5	A1 1	150				6/4/1000	2051/6020	r.	37
U4	Soil	SITE ATLAS MILL	99.01035U	2/28/1999	SOIL	7429-90-5	Aluminum	178				6/4/1999	3051/6020	Fine	Yes
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-36-0	Antimony	0.011	U			6/2/1999	3051/6020	Fine	Yes
<u> </u>		ATLAS MILL	,,										2.2.2.0020		- 50
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-38-2	Arsenic	0.0492	U			6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL			9.5		- ·			_		6/8/:			
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-39-3	Barium	2.14		В		6/2/1999	3051/6020	Fine	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	-s   Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-41-7	Beryllium	0.00951	U			6/2/1999	3051/6020	Fine	Yes
U4	Soil	ATLAS MILL SITE	99.01035U	2/28/1999	SOIL	7440-43-9	Cadmium	0.00963	U			6/2/1999	3051/6020	Fine	Yes
04	5011	ATLAS MILL	99.010330	2/20/1999	SOIL	/440-43-9	Cadilliulli	0.00903	U			0/2/1999	3031/0020	Tille	1 65
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-70-2	Calcium	409		В		6/4/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-47-3	Chromium	0.202		В		6/2/1999	3051/6020	Fine	Yes
774	0.7	ATLAS MILL	00.0102511	2/20/1000	COIL	7440 40 4	6.1.1.	0.052		D.		6/2/1000	2051/6020	77'	37
U4	Soil	SITE ATLAS MILL	99.01035U	2/28/1999	SOIL	7440-48-4	Cobalt	0.053		В		6/2/1999	3051/6020	Fine	Yes
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-50-8	Copper	0.123		В		6/2/1999	3051/6020	Fine	Yes
0.	5011	ATLAS MILL	77.010350	2/20/1999	JOIL	7110 20 0	соррег	0.123				0/2/1999	3021/0020	10	100
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7439-89-6	Iron	172				6/4/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	Soil	SITE ATLAS MILL	99.01035U	2/28/1999	SOIL	7439-92-1	Lead	0.145		В		6/2/1999	3051/6020	Fine	Yes
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7439-95-4	Magnesium	102		В		6/2/1999	3051/6020	Fine	Yes
04	5011	ATLAS MILL	77.010330	2/20/1777	SOIL	7437-73-4	Magnesium	102		В		0/2/1///	3031/0020	Tille	103
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7439-96-5	Manganese	4.06				6/4/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	Soil	SITE ATLAS MILL	99.01035U	2/28/1999	SOIL	7439-97-6	Mercury	0.0376	U			3/9/1999	7471A	Fine	Yes
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-02-0	Nickel	0.153		В		6/2/1999	3051/6020	Fine	Yes
- 01	Son	ATLAS MILL	77.010350	2/20/1777	SOIL	7110 02 0	TTICKET	0.133		Б		0/2/1777	3031/0020	Time	103
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-09-7	Potassium	49.3		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	Soil	SITE ATLAS MILL	99.01035U	2/28/1999	SOIL	7782-49-2	Selenium	0.246	U			6/2/1999	3051/6020	Fine	Yes
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-22-4	Silver	0.0309	U			6/2/1999	3051/6020	Fine	Yes
- 01	Son	ATLAS MILL	77.010350	2/20/1777	SOIL	7110 22 1	Sirver	0.0309				0/2/1777	3031/0020	Time	103
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-23-5	Sodium	18.1		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	Soil	SITE ATLAS MILL	99.01035U	2/28/1999	SOIL	7440-28-0	Thallium	0.017	U			6/2/1999	3051/6020	Fine	Yes
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-62-2	Vanadium	0.303		В		6/2/1999	3051/6020	Fine	Yes
01	Son	ATLAS MILL	77.010350	2/20/17/7	SOIL	7110 02 2	v unuurum	0.505		В		0/2/1///	3031/0020	Time	103
U4	Soil	SITE	99.01035U	2/28/1999	SOIL	7440-66-6	Zinc	0.626		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL	00.04		9.5	<b></b>		46 =					2054		
E4	Soil	SITE ATLAS MILL	99.01036V	2/28/1999	SOIL	7429-90-5	Aluminum	45.7				6/4/1999	3051/6020	Coarse	Yes
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-36-0	Antimony	0.0093	U			6/2/1999	3051/6020	Coarse	Yes
E-i	DOIL	ATLAS MILL	22.01030 V	2/20/1///	DOIL	7110 30 0	. memony	0.0075				0/2/1///	3031/0020	Course	103
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-38-2	Arsenic	0.0418	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL	00.04		9.5					_			2054		
E4	Soil	SITE ATLAS MILL	99.01036V	2/28/1999	SOIL	7440-39-3	Barium	1.73		В		6/2/1999	3051/6020	Coarse	Yes
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-41-7	Beryllium	0.00806	U			6/2/1999	3051/6020	Coarse	Yes
27	5011	ATLAS MILL	22.010301	2,20,1777	JOIL	, ,	20171114111	0.0000				5,2,1777	505170020	Coarse	1 00
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-43-9	Cadmium	0.00817	U			6/2/1999	3051/6020	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b>	rs O	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL							'		Ų				
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-70-2	Calcium	200		В		6/4/1999	3051/6020	Coarse	Yes
E1	5011	ATLAS MILL	)).01030 ¥	2/20/1///	BOIL	7110 70 2	Culcium	200		В		0/4/1///	3031/0020	Course	103
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-47-3	Chromium	0.0473		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-48-4	Cobalt	0.0288		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-50-8	Copper	0.0301		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7439-89-6	Iron	60.5				6/2/1999	3051/6020	Coarse	Yes
E4	0.7	ATLAS MILL	00.0102.017	2/20/1000	COH	7420 02 1		0.0605		D		6/2/1000	2051/6020		**
E4	Soil	SITE ATLAS MILL	99.01036V	2/28/1999	SOIL	7439-92-1	Lead	0.0685		В		6/2/1999	3051/6020	Coarse	Yes
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7439-95-4	Magnesium	33.4		В		6/2/1999	3051/6020	Coarse	Yes
E4	3011	ATLAS MILL	99.01030 V	2/20/1999	SOIL	7439-93-4	iviagnesium	33.4		ь		0/2/1999	3031/0020	Coarse	165
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7439-96-5	Manganese	1.86		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , , , , ,		-100				0, =, 2, , ,			
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7439-97-6	Mercury	0.0319	U			3/9/1999	7471A	Coarse	Yes
		ATLAS MILL					_								
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-02-0	Nickel	0.11	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-09-7	Potassium	9.36		В		6/2/1999	3051/6020	Coarse	Yes
	a ::	ATLAS MILL	00.04.02.577					0.000				6/8/4000	2051/5020		**
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7782-49-2	Selenium	0.209	U	ļ		6/2/1999	3051/6020	Coarse	Yes
E4	Soil	ATLAS MILL SITE	99.01036V	2/28/1999	SOIL	7440-22-4	Silver	0.0262	U			6/2/1999	3051/6020	Coarse	Yes
E4	5011	ATLAS MILL	99.01036 V	2/28/1999	SOIL	/440-22-4	Silver	0.0262	U			0/2/1999	3031/0020	Coarse	res
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-23-5	Sodium	7.26		В		6/2/1999	3051/6020	Coarse	Yes
L1	5011	ATLAS MILL	)).01030 ¥	2/20/1///	BOIL	7110 25 5	Southin	7.20		В		0/2/1777	3031/0020	Course	103
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-28-0	Thallium	0.015	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-62-2	Vanadium	0.11		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	99.01036V	2/28/1999	SOIL	7440-66-6	Zinc	0.259		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7429-90-5	Aluminum	58.7				6/4/1999	3051/6020	Medium	Yes
E10	0-:1	ATLAS MILL	00.0102737	2/28/1000	COIL	7440.26.0	A4:	0.00956	U			6/4/1000	2051/6020	Madiana	V
E10	Soil	SITE ATLAS MILL	99.01037W	2/28/1999	SOIL	7440-36-0	Antimony	0.00930	U	1		6/4/1999	3051/6020	Medium	Yes
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-38-2	Arsenic	0.0429	U			6/4/1999	3051/6020	Medium	Yes
210	5011	ATLAS MILL	)).0103/ <b>**</b>	2/20/17/7	JOIL	/ 110-30-2	7115CIIIC	U.UT4)		1	1	0/-1/1///	3031/0020	141CGIUIII	103
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-39-3	Barium	2.17		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL						·							
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-41-7	Beryllium	0.00829	U		<u> </u>	6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL							-				•		_
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-43-9	Cadmium	0.0084	U		ļ	6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-70-2	Calcium	315		В		6/4/1999	3051/6020	Medium	Yes
E10	0.1	ATLAS MILL	00.0102737	2/20/1000	COIL	7440 47 2	Chan	0.071		D		6/4/1000	2051/6020	Madi	V
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-47-3	Chromium	0.071		В	l	6/4/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifie</b> C	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-48-4	Cobalt	0.0282		В		6/4/1999	3051/6020	Medium	Yes
F10	0.1	ATLAS MILL	00.0102777	2/20/1000	COIL	7440.50.0		0.0506		D		6/4/1000	2051/6020	Marian	37
E10	Soil	SITE ATLAS MILL	99.01037W	2/28/1999	SOIL	7440-50-8	Copper	0.0596		В		6/4/1999	3051/6020	Medium	Yes
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7439-89-6	Iron	79.1				6/4/1999	3051/6020	Medium	Yes
210	5011	ATLAS MILL	)).01037 II	2/20/1///	JOIL	7.07.07.0	11011	17.1				0, 1, 1, 1, 1,	3021/0020	1110010111	105
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7439-92-1	Lead	0.11		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7439-95-4	Magnesium	52		В		6/4/1999	3051/6020	Medium	Yes
E10	Soil	ATLAS MILL SITE	99.01037W	2/28/1999	SOIL	7439-96-5	Manganese	2.56				6/4/1999	3051/6020	Medium	Yes
E10	3011	ATLAS MILL	99.0103 / W	2/20/1999	SUIL	7439-90-3	ivianganese	2.30				0/4/1999	3031/0020	Medium	1 05
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7439-97-6	Mercury	0.0328	U			3/9/1999	7471A	Medium	Yes
		ATLAS MILL													
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-02-0	Nickel	0.113	U			6/4/1999	3051/6020	Medium	Yes
E10	Soil	ATLAS MILL SITE	99.01037W	2/28/1000	SOIL	7440-09-7	Datassium	16.7		В		6/4/1999	2051/6020	Madiana	V
E10	5011	ATLAS MILL	99.0103 / W	2/28/1999	SUIL	/440-09-/	Potassium	10./		В		0/4/1999	3051/6020	Medium	Yes
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7782-49-2	Selenium	0.214	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-22-4	Silver	0.0269	U			6/4/1999	3051/6020	Medium	Yes
F10	0.1	ATLAS MILL	00.0102777	2/20/1000	SOIL	7440 22 5	G . II	4.05		D		6/4/1000	2051/6020	Marian	37
E10	Soil	SITE ATLAS MILL	99.01037W	2/28/1999	SOIL	7440-23-5	Sodium	4.95		В		6/4/1999	3051/6020	Medium	Yes
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-28-0	Thallium	0.0148	U			6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	Soil	SITE	99.01037W	2/28/1999	SOIL	7440-62-2	Vanadium	0.162		В		6/4/1999	3051/6020	Medium	Yes
F10	0.1	ATLAS MILL	00.0102777	2/20/1000	COIL	7440 66 6	7	0.201		D		6/4/1000	2051/6020	Matter	37
E10	Soil	SITE ATLAS MILL	99.01037W	2/28/1999	SOIL	7440-66-6	Zinc	0.391		В		6/4/1999	3051/6020	Medium	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7429-90-5	Aluminum	293				6/4/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-36-0	Antimony	0.0126	U			6/2/1999	3051/6020	Fine	Yes
) (IV	G 1	ATLAS MILL	00.01024	2/20/1000	COH	7440 20 2		0.0560	**			6/2/1000	2051/6020	TD:	**
MW	Soil	SITE ATLAS MILL	99.01034T	2/28/1999	SOIL	7440-38-2	Arsenic	0.0568	U			6/2/1999	3051/6020	Fine	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-39-3	Barium	2.07		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL						***						-	
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-41-7	Beryllium	0.0139		В		6/2/1999	3051/6020	Fine	Yes
	g "	ATLAS MILL	00.0102.5	0/00/11000	0.011	7440 12 C	G 1 :	0.0111				6/0/1000	2051/5020	F:	**
MW	Soil	SITE ATLAS MILL	99.01034T	2/28/1999	SOIL	7440-43-9	Cadmium	0.0111	U			6/2/1999	3051/6020	Fine	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-70-2	Calcium	425		В		6/4/1999	3051/6020	Fine	Yes
2.211		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , 2		.20				S 1222			- 00
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-47-3	Chromium	0.327		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL	00.04.0045		2011			0.0004		-		6/2/4000	2054/5025		
MW	Soil	SITE ATLAS MILL	99.01034T	2/28/1999	SOIL	7440-48-4	Cobalt	0.0884		В		6/2/1999	3051/6020	Fine	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-50-8	Copper	0.165		В		6/2/1999	3051/6020	Fine	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)		#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	(	Qualifier		Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
		ATLAS MILL	00.040245		2011	<b>= 42</b> 0 00 6						6/4/4000	2054/5020		**
MW	Soil	SITE ATLAS MILL	99.01034T	2/28/1999	SOIL	7439-89-6	Iron	273				6/4/1999	3051/6020	Fine	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7439-92-1	Lead	0.191		В		6/2/1999	3051/6020	Fine	Yes
141 44	Don	ATLAS MILL	77.010511	2/20/1999	DOIL	7137 72 1	Leud	0.171				0/2/1999	3031/0020	Time	103
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7439-95-4	Magnesium	163		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7439-96-5	Manganese	5.47				6/4/1999	3051/6020	Fine	Yes
MW	Soil	ATLAS MILL SITE	99.01034T	2/28/1999	SOIL	7439-97-6	Mercury	0.0434	U			3/9/1999	7471A	Fine	Yes
IVI VV	5011	ATLAS MILL	99.010341	2/28/1999	SOIL	/439-97-0	Mercury	0.0434	U			3/9/1999	/4/1A	rine	res
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-02-0	Nickel	0.223		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-09-7	Potassium	79.4		В		6/2/1999	3051/6020	Fine	Yes
) (TV	0.7	ATLAS MILL	00.0102.47	2/20/1000	COIL	7702 40 2	0.1	0.204	**			6/2/1000	2051/6020	ъ:	**
MW	Soil	SITE ATLAS MILL	99.01034T	2/28/1999	SOIL	7782-49-2	Selenium	0.284	U			6/2/1999	3051/6020	Fine	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-22-4	Silver	0.0356	U			6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-23-5	Sodium	16.6		В		6/2/1999	3051/6020	Fine	Yes
) (TV	0.7	ATLAS MILL	00.0102.47	2/20/1000	COIL	7440.20.0	201 II.	0.0106	* *			6/2/1000	2051/6020	ъ:	**
MW	Soil	SITE ATLAS MILL	99.01034T	2/28/1999	SOIL	7440-28-0	Thallium	0.0196	U			6/2/1999	3051/6020	Fine	Yes
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-62-2	Vanadium	0.459		В		6/2/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	Soil	SITE	99.01034T	2/28/1999	SOIL	7440-66-6	Zinc	0.788		В		6/2/1999	3051/6020	Fine	Yes
D2	0.3	ATLAS MILL	00.01021B	2/25/1000	COIL	7420 00 5	A1	70.7				6/4/1000	2051/6020	M. F	<b>V</b>
D2	Soil	SITE ATLAS MILL	99.01031P	2/25/1999	SOIL	7429-90-5	Aluminum	70.7				6/4/1999	3051/6020	Medium	Yes
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-36-0	Antimony	0.00977	U			6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-38-2	Arsenic	0.0439	U			6/2/1999	3051/6020	Medium	Yes
D2	0.7	ATLAS MILL	00.01021B	2/25/1000	COIL	7440 20 2	ъ.	1.52		ъ.		6/2/1000	2051/6020	) ( ) (	**
D2	Soil	SITE ATLAS MILL	99.01031P	2/25/1999	SOIL	7440-39-3	Barium	1.53		В		6/2/1999	3051/6020	Medium	Yes
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-41-7	Beryllium	0.00847	U			6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL					,								
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-43-9	Cadmium	0.00858	U			6/2/1999	3051/6020	Medium	Yes
D2	C-:1	ATLAS MILL	00 010212	2/25/1000	COII	7440 70 2	Calaina	202		В		6/4/1000	2051/6020	Madiana	V
D2	Soil	SITE ATLAS MILL	99.01031P	2/25/1999	SOIL	7440-70-2	Calcium	293		В		6/4/1999	3051/6020	Medium	Yes
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-47-3	Chromium	0.073		В		6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-48-4	Cobalt	0.0252		В		6/2/1999	3051/6020	Medium	Yes
D2	C-:1	ATLAS MILL	00 010212	2/25/1000	COII	7440.50.0	C	0.066		В		6/2/1000	2051/6020	Madiana	V
D2	Soil	SITE ATLAS MILL	99.01031P	2/25/1999	SOIL	7440-50-8	Copper	0.066		В		6/2/1999	3051/6020	Medium	Yes
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7439-89-6	Iron	83				6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7439-92-1	Lead	0.103		В		6/2/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
									(	Ç	Q				
		ATLAS MILL								_					
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7439-95-4	Magnesium	45.8		В		6/2/1999	3051/6020	Medium	Yes
D2	Soil	ATLAS MILL SITE	99.01031P	2/25/1999	SOIL	7439-96-5	Manganese	2.56				6/2/1999	3051/6020	Medium	Yes
102	3011	ATLAS MILL	99.01031F	2/23/1999	SOIL	7439-90-3	Manganese	2.30				0/2/1999	3031/0020	Medium	1 68
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7439-97-6	Mercury	0.0335	U			3/9/1999	7471A	Medium	Yes
52	5011	ATLAS MILL	)).010311	2/20/1///	5012	7.137 77 0	mereary	0.0335				3///1///	, , , , , , ,	Moditalii	105
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-02-0	Nickel	0.116	U			6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-09-7	Potassium	16.3		В		6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7782-49-2	Selenium	0.219	U			6/2/1999	3051/6020	Medium	Yes
	a ::	ATLAS MILL	00.040247			=	6.7					6/8/4000	2074/5020		**
D2	Soil	SITE ATLAS MILL	99.01031P	2/25/1999	SOIL	7440-22-4	Silver	0.0275	U			6/2/1999	3051/6020	Medium	Yes
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-23-5	Sodium	19.8		В		6/2/1999	3051/6020	Medium	Yes
D2	3011	ATLAS MILL	99.010311	2/23/1999	SOIL	7440-23-3	Soululli	17.0		ь		0/2/1999	3031/0020	Medium	165
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-28-0	Thallium	0.0151	U			6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , , , , , ,		0,000				0, =, 2, 2, 2			
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-62-2	Vanadium	0.247		В		6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01031P	2/25/1999	SOIL	7440-66-6	Zinc	0.423		В		6/2/1999	3051/6020	Medium	Yes
	a ::	ATLAS MILL						46.0				6/4/4000	2074/5020		**
D2	Soil	SITE ATLAS MILL	99.01032Q	2/25/1999	SOIL	7429-90-5	Aluminum	46.8				6/4/1999	3051/6020	Coarse	Yes
D2	Soil	SITE	99.01032O	2/25/1999	SOIL	7440-36-0	Antimony	0.00983	U			6/2/1999	3051/6020	Coarse	Yes
102	3011	ATLAS MILL	99.01032Q	2/23/1999	SOIL	/440-30-0	Antimony	0.00983	U			0/2/1999	3031/0020	Coarse	1 05
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-38-2	Arsenic	0.0441	U			6/2/1999	3051/6020	Coarse	Yes
52	5011	ATLAS MILL	>>.01032Q	2/20/1///	5012	7110302	111501110	0.0111				0,2,1,,,,	3001/0020	Course	103
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-39-3	Barium	1.29		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-41-7	Beryllium	0.00852	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE ATLAS MILL	99.01032Q	2/25/1999	SOIL	7440-43-9	Cadmium	0.00863	U			6/2/1999	3051/6020	Coarse	Yes
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-70-2	Calcium	201		В		6/4/1999	3051/6020	Coarse	Yes
102	3011	ATLAS MILL	22.01034Q	4/43/1777	SUIL	/440-/0-2	Calcium	Δ01		ь		0/4/1777	3031/0020	Coarse	1 08
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-47-3	Chromium	0.046		В		6/2/1999	3051/6020	Coarse	Yes
	~ ~ ~ ~	ATLAS MILL										4, -, -, -, -,			
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-48-4	Cobalt	0.0243		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-50-8	Copper	0.0318		В		6/2/1999	3051/6020	Coarse	Yes
1		ATLAS MILL					_							_	
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7439-89-6	Iron	68.2			<b> </b>	6/2/1999	3051/6020	Coarse	Yes
D2	Soil	ATLAS MILL SITE	99.01032Q	2/25/1999	SOIL	7439-92-1	Lead	0.0942		В		6/2/1999	3051/6020	Coorne	Yes
102	5011	ATLAS MILL	99.01032Q	2/23/1999	SUIL	/439-92-1	Leau	0.0942		В	1	0/2/1999	3031/0020	Coarse	res
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7439-95-4	Magnesium	32.9		В		6/2/1999	3051/6020	Coarse	Yes
	~ 011	ATLAS MILL	,,v	-,, *///		/ .		52.2							- 20
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7439-96-5	Manganese	2.05				6/2/1999	3051/6020	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Consentuation (maller							
ID:	Strata (m)		NAKEL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		Qualifier	s	Date Analyzed	Method	Texture:	Artifacts:
							·	.,	(	Ĉ.	Q	·			
D2	0.7	ATLAS MILL	00.010330	2/25/1000	COIL	7420.07.6		0.0227	**			2/0/1000	2421 4	G.	37
D2	Soil	SITE ATLAS MILL	99.01032Q	2/25/1999	SOIL	7439-97-6	Mercury	0.0337	U			3/9/1999	7471A	Coarse	Yes
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-02-0	Nickel	0.116	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE ATLAS MILL	99.01032Q	2/25/1999	SOIL	7440-09-7	Potassium	9.38		В		6/2/1999	3051/6020	Coarse	Yes
D2	Soil	SITE	99.01032O	2/25/1999	SOIL	7782-49-2	Selenium	0.22	U			6/2/1999	3051/6020	Coarse	Yes
52	Don	ATLAS MILL	>>.01032Q	2/20/1///	JOIL	7702 13 2	Seleman	V.22				0/2/1999	3001/0020	Course	100
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-22-4	Silver	0.0277	U			6/2/1999	3051/6020	Coarse	Yes
D2	Soil	ATLAS MILL SITE	99.01032Q	2/25/1999	SOIL	7440-23-5	Sodium	8.71		В		6/2/1999	2051/6020	C	Van
D2	5011	ATLAS MILL	99.01032Q	2/23/1999	SUIL	/440-23-3	Soulum	8.71		В		6/2/1999	3051/6020	Coarse	Yes
D2	Soil	SITE	99.01032Q	2/25/1999	SOIL	7440-28-0	Thallium	0.0152	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE ATLAS MILL	99.01032Q	2/25/1999	SOIL	7440-62-2	Vanadium	0.144		В		6/2/1999	3051/6020	Coarse	Yes
D2	Soil	SITE	99.01032O	2/25/1999	SOIL	7440-66-6	Zinc	0.285		В		6/2/1999	3051/6020	Coarse	Yes
	~ ~ ~	ATLAS MILL	,,,,,,,,,			, , , , , ,						0.000			
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7429-90-5	Aluminum	54.1				6/4/1999	3051/6020	Medium	Yes
D4	Soil	ATLAS MILL SITE	99.01030N	2/25/1999	SOIL	7440-36-0	Antimony	0.00932	U			6/4/1999	3051/6020	Medium	Yes
D4	5011	ATLAS MILL	99.01030IN	2/23/1999	SOIL	7440-30-0	Antimony	0.00932	- 0			0/4/1999	3031/0020	Wedium	1 05
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-38-2	Arsenic	0.0418	U			6/2/1999	3051/6020	Medium	Yes
D.4	0.7	ATLAS MILL	00.0102031	2/25/1000	COIL	7440.20.2	ъ :	2.04		ъ		6/7/1000	2051/6020	3.6 12	37
D4	Soil	SITE ATLAS MILL	99.01030N	2/25/1999	SOIL	7440-39-3	Barium	3.04		В		6/7/1999	3051/6020	Medium	Yes
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-41-7	Beryllium	0.00808	U			6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Soil	SITE ATLAS MILL	99.01030N	2/25/1999	SOIL	7440-43-9	Cadmium	0.00818	U			6/2/1999	3051/6020	Medium	Yes
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-70-2	Calcium	256		В		6/4/1999	3051/6020	Medium	Yes
	Don	ATLAS MILL	)).010301 <b>1</b>	2/20/1///	JOIL	7110 70 2	Curerum	250				0/ 1/1999	3001/0020	1110010111	100
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-47-3	Chromium	0.0615		В		6/2/1999	3051/6020	Medium	Yes
D4	Soil	ATLAS MILL SITE	99.01030N	2/25/1999	SOIL	7440-48-4	Cobalt	0.0228		В		6/2/1999	3051/6020	Medium	Yes
D4	5011	ATLAS MILL	99.01030N	2/23/1999	SOIL	/440-48-4	Cobait	0.0228		В		6/2/1999	3031/6020	Medium	res
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-50-8	Copper	0.0536		В		6/2/1999	3051/6020	Medium	Yes
-		ATLAS MILL	00.040203		2011			00.6				6/8/4000	2051/5025		
D4	Soil	SITE ATLAS MILL	99.01030N	2/25/1999	SOIL	7439-89-6	Iron	82.6				6/2/1999	3051/6020	Medium	Yes
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7439-92-1	Lead	0.111		В		6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7439-95-4	Magnesium	45.4		В		6/9/1999	3051/6020	Medium	Yes
D4	Soil	ATLAS MILL SITE	99.01030N	2/25/1999	SOIL	7439-96-5	Manganese	2.48				6/4/1999	3051/6020	Medium	Yes
D4	3011	ATLAS MILL	/9.01030IN	4/43/1777	SOIL	7437-70-3	ivianganese	2.40				0/4/1777	3031/0020	Medium	1 65
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7439-97-6	Mercury	0.032	U			3/22/1999	7471A	Medium	Yes
D.1	0.7	ATLAS MILL	00.0102017	2/25/1000	COH	7440.02.0	N: 1 1	0.11	**			6/2/1000	2051 (6026	) ( ) (	V
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-02-0	Nickel	0.11	U	l		6/2/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)		NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
		ATLAS MILL								_					
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-09-7	Potassium	11.5		В		6/2/1999	3051/6020	Medium	Yes
D4	Soil	ATLAS MILL SITE	99.01030N	2/25/1999	SOIL	7782-49-2	Selenium	0.209	U			6/4/1999	3051/6020	Medium	Yes
D4	5011	ATLAS MILL	99.01030N	2/23/1999	SUIL	1182-49-2	Selenium	0.209	U			0/4/1999	3031/0020	Medium	res
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-22-4	Silver	0.0263	U			6/4/1999	3051/6020	Medium	Yes
Б1	Son	ATLAS MILL	)).010301 <b>\</b>	2/25/17/7	SOIL	7110 22 1	Sirver	0.0203	Ü			0/4/1///	3031/0020	Wicaram	103
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-23-5	Sodium	13.7		В		6/9/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-28-0	Thallium	0.0144	U			6/2/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-62-2	Vanadium	0.259		В		6/4/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D4	Soil	SITE	99.01030N	2/25/1999	SOIL	7440-66-6	Zinc	0.437		В		6/2/1999	3051/6020	Medium	Yes
D8	Soil	ATLAS MILL SITE	99.01033R	2/25/1999	SOIL	7429-90-5	Aluminum	35.1				6/4/1999	3051/6020	C	Yes
D8	5011	ATLAS MILL	99.01033K	2/23/1999	SUIL	7429-90-3	Aluminum	33.1				0/4/1999	3031/0020	Coarse	res
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-36-0	Antimony	0.0095	U			6/2/1999	3051/6020	Coarse	Yes
Bo	Son	ATLAS MILL	77.01033R	2/25/17/7	SOIL	7110 30 0	Zintimony	0.0075				0/2/1777	3031/0020	Course	103
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-38-2	Arsenic	0.0426	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-39-3	Barium	1.37		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-41-7	Beryllium	0.00824	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-43-9	Cadmium	0.00834	U			6/4/1999	3051/6020	Coarse	Yes
D8	Soil	ATLAS MILL SITE	99.01033R	2/25/1999	SOIL	7440-70-2	Calcium	199		В		6/4/1999	3051/6020	Coarse	Yes
D8	5011	ATLAS MILL	99.01033K	2/23/1999	SOIL	/440-70-2	Calcium	199		В		0/4/1999	3031/0020	Coarse	res
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-47-3	Chromium	0.0452		В		6/2/1999	3051/6020	Coarse	Yes
	Bon	ATLAS MILL	)).010331t	2/20/1///	DOIL	71.10 17 3	Cinomiani	0.0102				0/2/1///	3001/0020	Course	100
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-48-4	Cobalt	0.0212		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-50-8	Copper	0.0323		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7439-89-6	Iron	58.8				6/2/1999	3051/6020	Coarse	Yes
D0	0.7	ATLAS MILL SITE	00.010220	2/25/1000	SOIL	7420 02 1	T 1	0.0755		D		6/2/1000	2051/6020	Carrie	V
D8	Soil	ATLAS MILL	99.01033R	2/25/1999	SUIL	7439-92-1	Lead	0.0755		В	-	6/2/1999	3051/6020	Coarse	Yes
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7439-95-4	Magnesium	33.7		В		6/2/1999	3051/6020	Coarse	Yes
100	5011	ATLAS MILL	77.01033K	212011777	JOIL	1-157-75-4	.viugiicoiuili	55.1	1	-	1	0/2/1///	5051/0020	Coarse	103
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7439-96-5	Manganese	1.81		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL					J	-			İ				
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7439-97-6	Mercury	0.0326	U	<u> </u>	<u> </u>	3/9/1999	7471A	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-02-0	Nickel	0.112	U			6/2/1999	3051/6020	Coarse	Yes
P.0	0.7	ATLAS MILL	00.010225	2/25/1000	COIL	7440.00.7	D. C.	0.20		Б		(12/11000	2051/6020	G.	V
D8	Soil	SITE ATLAS MILL	99.01033R	2/25/1999	SOIL	7440-09-7	Potassium	8.39	-	В	<del>                                     </del>	6/2/1999	3051/6020	Coarse	Yes
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7782-49-2	Selenium	0.213	U			6/2/1999	3051/6020	Coarse	Yes
100	3011	SHE	77.01033K	4/43/1777	SOIL	1104-47-4	Scientuili	0.213	U	l	l	0/4/1777	3031/0020	Coarse	1 05

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	(	Qualifier	s	Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
		ATLAS MILL												_	
D8	Soil	SITE ATLAS MILL	99.01033R	2/25/1999	SOIL	7440-22-4	Silver	0.0268	U			6/2/1999	3051/6020	Coarse	Yes
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-23-5	Sodium	13.9		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									0, 2, 2, 2, 2			
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-28-0	Thallium	0.0147	U			6/2/1999	3051/6020	Coarse	Yes
D0	G 11	ATLAS MILL	00.01022D	2/25/1000	COIL	7440 (2.2	x, 1:	0.154		ъ		6/2/1000	2051/6020	G.	**
D8	Soil	SITE ATLAS MILL	99.01033R	2/25/1999	SOIL	7440-62-2	Vanadium	0.154		В		6/2/1999	3051/6020	Coarse	Yes
D8	Soil	SITE	99.01033R	2/25/1999	SOIL	7440-66-6	Zinc	0.291		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7429-90-5	Aluminum	32.8				6/4/1999	3051/6020	Coarse	Yes
D10	0.1	ATLAS MILL SITE	99.01029W	2/25/1000	SOIL	7440.26.0	A	0.00806	U			6/2/1000	2051/6020		V.
D10	Soil	ATLAS MILL	99.01029W	2/25/1999	SOIL	7440-36-0	Antimony	0.00806	U			6/2/1999	3051/6020	Coarse	Yes
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-38-2	Arsenic	0.0362	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-39-3	Barium	1.52		В		6/2/1999	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	99.01029W	2/25/1999	SOIL	7440-41-7	Beryllium	0.00699	U			6/2/1999	3051/6020	Coarse	Yes
Bio	5011	ATLAS MILL	33.01023 W	2/25/1999	BOIL	7110 11 7	Berymani	0.00077				0/2/1999	3031/0020	Course	103
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-43-9	Cadmium	0.00708	U			6/2/1999	3051/6020	Coarse	Yes
D10	G 1	ATLAS MILL	00.0102011	2/25/1000	COIL	7440 70 2	G 1 :	107		ъ		6/4/1000	2051/6020	G.	**
D10	Soil	SITE ATLAS MILL	99.01029W	2/25/1999	SOIL	7440-70-2	Calcium	187		В		6/4/1999	3051/6020	Coarse	Yes
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-47-3	Chromium	0.0409		В		6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-48-4	Cobalt	0.023		В		6/2/1999	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	99.01029W	2/25/1999	SOIL	7440-50-8	Copper	0.0342		В		6/2/1999	3051/6020	Coarse	Yes
D10	3011	ATLAS MILL	99.01029 W	2/23/1999	SOIL	/440-30-8	Сорреі	0.0342		ь		0/2/1999	3031/0020	Coarse	1 65
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7439-89-6	Iron	53.9				6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE ATLAS MILL	99.01029W	2/25/1999	SOIL	7439-92-1	Lead	0.0824		В		6/2/1999	3051/6020	Coarse	Yes
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7439-95-4	Magnesium	37.2		В		6/2/1999	3051/6020	Coarse	Yes
210	5011	ATLAS MILL	//.U.LUZ/11	2,20,1777	JJIL	, , , , , , , ,	ug.icoiuili	٠,,2				U. 2, 1777	5051,0020	Coarse	103
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7439-96-5	Manganese	1.7				6/2/1999	3051/6020	Coarse	Yes
D10	C-:1	ATLAS MILL	00.0102037	2/25/1000	COII	7420.07.6	M	0.0222	U			2/0/1000	7471 4	C	V
D10	Soil	SITE ATLAS MILL	99.01029W	2/25/1999	SOIL	7439-97-6	Mercury	0.0332	U			3/9/1999	7471A	Coarse	Yes
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-02-0	Nickel	0.0953	U			6/2/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-07-9	Potassium	7.11		В		6/2/1999	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	99.01029W	2/25/1999	SOIL	7782-49-2	Selenium	0.181	U			6/2/1999	3051/6020	Coarse	Yes
D10	5011	ATLAS MILL	77.01027 W	414311777	JOIL	1102-47-2	Scicilium	0.101	U			0/4/1777	3031/0020	Coarse	1 65
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-22-4	Silver	0.0227	U			6/2/1999	3051/6020	Coarse	Yes
D10	G 7	ATLAS MILL	00 010201	2/25/1000	COIL	7440.22.5	G 1:	24.5				6/2/1000	2051/6026		
D10	Soil	SITE	99.01029W	2/25/1999	SOIL	7440-23-5	Sodium	24.5		В		6/2/1999	3051/6020	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

DIO   Soli					1		1						1			
DIO   Soil   STIE   901029W   275/1999   SOIL   7440-28-0   Thallium   0.0125   U   6-27/1999   3051/6020   Coarse   Yes		Strata (m)			Date Collected:	Matrix:	CAS Number	Analyte			_		Date Analyzed	Method	Texture:	Artifacts:
DIO   Soil   STE   99 01029W   2251999   SOIL   7440-28-0   Thallium   0.0125   U   6221999   30516020   Coarse   Yes			ATLAS MILL									V				
Dilo   Soid   STIE   O 010259W   225/1999   SOIL   7440-62-2   Vanadium   O 103   B   6-27/1999   3051/6020   Course   Ves	D10	Soil		99 01029W	2/25/1999	SOIL	7440-28-0	Thallium	0.0125	U			6/2/1999	3051/6020	Coarse	Yes
D10				221020-211			, , , , , , , , ,		0.00				0,0,0,0			
D10   Soil   STE   99 01029W   2251999   SOIL   7440-6-6-6   Zinc   0.242   B   6-271999   30516020   Coarse   Ves	D10	Soil		99.01029W	2/25/1999	SOIL	7440-62-2	Vanadium	0.103		В		6/2/1999	3051/6020	Coarse	Yes
Method Blank   NA   STTE   RBLK9900009   NA   SOIL   7429-90-5   Aluminum   0.192   U   6-2/1999   3051/6020   NA   Non   Non   Method Blank   NA   STTE   RBLK9900009   NA   SOIL   7440-30-0   Antimory   0.00729   U   6-2/1999   3051/6020   NA   Non   Non   Non   Non   Non   Na   Na   STTE   RBLK9900009   NA   SOIL   7440-30-2   Antimory   0.00729   U   6-2/1999   3051/6020   NA   Non   Non   Na   Na   Na   Na   Na   Na   Na   N																
Method Blank   NA   SITE   RRILK9900009   NA   SOIL   7429-90-5   Aluminum   0.192   U   6-2/1999   3051/6020   NA   Non   Method Blank   NA   SITE   RRILK9900009   NA   SOIL   7440-3-5-2   Arnenie   0.0327   U   6-2/1999   3051/6020   NA   Non   Non   Na   Non   Na   Na   Na   Na   Na   Na   Na   N	D10	Soil		99.01029W	2/25/1999	SOIL	7440-66-6	Zinc	0.242		В		6/2/1999	3051/6020	Coarse	Yes
Method Blank   NA   STIE   RBLK900000   NA   SOIL   7440-36-0   Antimony   0.00729   U   6/2/1999   3051/6020   NA   Non   Non   Non   NA   STIE   RBLK900000   NA   SOIL   7440-38-2   Anenic   0.0327   U   6/2/1999   3051/6020   NA   Non   Non   Na   NA   STIE   RBLK900000   NA   SOIL   7440-39-3   Barium   0.00908   U   6/2/1999   3051/6020   NA   Non   Non   Na   Na   Na   RBLK900000   NA   SOIL   7440-41-7   Beryllium   0.00632   U   6/2/1999   3051/6020   NA   Non   Na   Na   Na   Na   RBLK900000   NA   SOIL   7440-41-7   Beryllium   0.00632   U   6/2/1999   3051/6020   NA   Non   Na   Na   Na   Na   RBLK900000   NA   SOIL   7440-41-7   Beryllium   0.00632   U   6/2/1999   3051/6020   NA   Na   Na   Na   Na   Na   Na   Na	Mathad Blank	NIA		DDI 1/0000000	NIA	COII	7420 00 5	Aluminum	0.102	11			6/2/1000	2051/6020	NIA	None
Method Blank   NA   SITE   RBLK900000   NA   SOIL   7440-36-0   Antimony   0.00729   U   6-271999   3051/6020   NA   Non	Method Blank	INA		KBLK9900009	INA	SOIL	7429-90-3	Alummum	0.192	U			0/2/1999	3031/0020	INA	None
Method Blank   NA STE   RBLK9900009   NA SOIL   7440-38-2   Arsenic   0.0327   U   6-2/1999   3051/6020   NA Non Non Non Method Blank   NA STE   RBLK9900009   NA SOIL   7440-39-3   Barium   0.00098   U   6-2/1999   3051/6020   NA Non Non Non Non Non ATLAS MILL   RBLK9900009   NA SOIL   7440-41-7   Beryllium   0.00632   U   6-2/1999   3051/6020   NA Non Non Non Non Non Non Non Non Non Non	Method Blank	NA		RBLK9900009	NA	SOIL	7440-36-0	Antimony	0.00729	U			6/2/1999	3051/6020	NA	None
Method Blank   NA SITE   RBLK9900009   NA SOIL   7440-39-3   Barium   0.00908   U   6-(2/1999   3051/6020   NA   Non   Method Blank   NA SITE   RBLK9900009   NA SOIL   7440-41-7   Beryllium   0.00632   U   6-(2/1999   3051/6020   NA   Non   Non   Method Blank   NA SITE   RBLK9900009   NA SOIL   7440-43-9   Cadmium   0.0064   U   6-(2/1999   3051/6020   NA   Non   Na   NA   SITE   RBLK9900009   NA   SOIL   7440-70-2   Calcium   0.6   U   6-(2/1999   3051/6020   NA   Non   Na   NA   SITE   RBLK9900009   NA   SOIL   7440-47-3   Chromium   0.00946   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-48-4   Cobalt   0.00995   U   6-(2/1999   3051/6020   NA   Non   NA   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-5   Manganese   0.0225   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-50-5   Manganese   0.0225   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-60-7   Potassium   0.588   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-60-7   Potassium   0.588   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-60-7   Potassium   0.588   U   6-(2/1999   3051/6020   NA   Non   Na   SITE   RBLK9900009   NA   SOIL   7440-60-7																
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-39-3   Barium   0.00908   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA	SITE	RBLK9900009	NA	SOIL	7440-38-2	Arsenic	0.0327	U			6/2/1999	3051/6020	NA	None
Method Blank   NA SITE   RBLK9900009   NA SOIL   7440-41-7   Beryllium   0.00632   U   6:2/1999   3051/6020   NA   Non																
Method Blank   NA   SITE   RBILK9900009   NA   SOIL   7440-41-7   Beryllium   0.00632   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA		RBLK9900009	NA	SOIL	7440-39-3	Barium	0.00908	U			6/2/1999	3051/6020	NA	None
Method Blank   NA   SITE   RBLK990009   NA   SOIL   7440-43-9   Cadmium   0.0064   U   6-2/1999   3051/6020   NA   Non	Mathad Dlank	NIA		DDI 1/0000000	NIA	COII	7440 41 7	DIli	0.00622	11			6/2/1000	2051/6020	NIA	Nama
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-43-9   Cadmium   0.0064   U   6-2/1999   3051/6020   NA   Non	Wichiou Bialik	INA		KBLK9900009	INA	SOIL	/440-41-/	Berymuni	0.00032	U			0/2/1999	3031/0020	INA	None
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-70-2   Calcium   0.6   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA		RBLK9900009	NA	SOIL	7440-43-9	Cadmium	0.0064	U			6/2/1999	3051/6020	NA	None
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-47-3   Chromium   0.00946   U   6/2/1999   3051/6020   NA   Non							, , , , , ,						W, 2, 2, 2			- 1,0110
Method Blank   NA	Method Blank	NA	SITE	RBLK9900009	NA	SOIL	7440-70-2	Calcium	0.6	U			6/2/1999	3051/6020	NA	None
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-48-4   Cobalt   0.00995   U   6/2/1999   3051/6020   NA   Non																
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-48-4   Cobalt   0.00995   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA		RBLK9900009	NA	SOIL	7440-47-3	Chromium	0.00946	U			6/2/1999	3051/6020	NA	None
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6/2/1999   3051/6020   NA   Non	M-4- 1 DI1	NIA		DDI 1/0000000	NIA	COIL	7440 40 4	C. L. It	0.00005	**			6/2/1000	2051/6020	NIA	NT
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7440-50-8   Copper   0.0108   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA		KBLK9900009	NA	SOIL	/440-48-4	Cobait	0.00993	U			0/2/1999	3031/6020	NA	None
Method Blank   NA   SITE   RBLK990009   NA   SOIL   7439-89-6   Iron   0.422   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA		RBLK9900009	NA	SOIL	7440-50-8	Copper	0.0108	U			6/2/1999	3051/6020	NA	None
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7439-92-1   Lead   0.00743   U   6/4/1999   3051/6020   NA   Non							,	- oppo	***************************************				W			- 1,011
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7439-92-1   Lead   0.00743   U   6/4/1999   3051/6020   NA   Non	Method Blank	NA	SITE	RBLK9900009	NA	SOIL	7439-89-6	Iron	0.422	U			6/2/1999	3051/6020	NA	None
Method Blank         NA         ATLAS MILL SITE         RBLK9900009         NA         SOIL         7439-95-4         Magnesium         0.387         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7439-96-5         Manganese         0.0225         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7439-97-6         Mercury         0.025         U         3/9/1999         7471A         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-02-0         Nickel         0.0862         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-02-0         Potassium         0.588         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Sclenium         0.163         U         6/2/1999																
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7439-95-4   Magnesium   0.387   U   6/2/1999   3051/6020   NA   Non-	Method Blank	NA		RBLK9900009	NA	SOIL	7439-92-1	Lead	0.00743	U			6/4/1999	3051/6020	NA	None
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7439-96-5   Manganese   0.0225   U   6/2/1999   3051/6020   NA   Non	Made 1DL-1	NIA		DDI 1/0000000	NIA	COIL	7420.05.4		0.207	**			6/2/1000	2051/6020	NIA	NT
Method Blank   NA   SITE   RBLK9900009   NA   SOIL   7439-96-5   Manganese   0.0225   U   6/2/1999   3051/6020   NA   Non	Method Blank	NA		RBLK9900009	NA	SOIL	/439-95-4	Magnesium	0.387	U			6/2/1999	3051/6020	NA	None
Method Blank         NA         ATLAS MILL SITE         RBLK9900009         NA         SOIL         7439-97-6         Mercury         0.025         U         3/9/1999         7471A         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-02-0         Nickel         0.0862         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-09-7         Potassium         0.588         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Selenium         0.163         U         6/4/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7740-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999	Method Blank	NA		RBLK9900009	NA	SOIL	7439-96-5	Manganese	0.0225	T.I			6/2/1999	3051/6020	NA	None
Method Blank         NA         ATLAS MILL SITE         RBLK9900009         NA         SOIL         7440-02-0         Nickel         0.0862         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-09-7         Potassium         0.588         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Selenium         0.163         U         6/4/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7740-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non	Wellou Blum	1111		TEBLIE	1111	DOIL	7.55 50 0		0.0225				0/2/1999	300170020	1111	110110
Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-02-0         Nickel         0.0862         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-09-7         Potassium         0.588         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Selenium         0.163         U         6/4/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non	Method Blank	NA	SITE	RBLK9900009	NA	SOIL	7439-97-6	Mercury	0.025	U			3/9/1999	7471A	NA	None
Method Blank         NA         ATLAS MILL SITE         RBLK9900009         NA         SOIL         7440-09-7         Potassium         0.588         U         6/2/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Selenium         0.163         U         6/4/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non           ATLAS MILL         ATLAS MILL         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non																
Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-09-7         Potassium         0.588         U         6/2/1999         3051/6020         NA         Non-           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Selenium         0.163         U         6/4/1999         3051/6020         NA         Non-           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non-           ATLAS MILL         ATLAS MILL         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non-	Method Blank	NA		RBLK9900009	NA	SOIL	7440-02-0	Nickel	0.0862	U			6/2/1999	3051/6020	NA	None
Method Blank         NA         ATLAS MILL SITE         RBLK9900009         NA         SOIL         7782-49-2         Selenium         0.163         U         6/4/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non           ATLAS MILL         ATLAS MILL         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non	Mathad Di	NT A		DDI MOOOOOO	NI A	COII	7440.00.7	Dotos-i	0.500	11			6/2/1000	2051/6020	NI A	N
Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7782-49-2         Sclenium         0.163         U         6/4/1999         3051/6020         NA         Non           Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non           ATLAS MILL         ATLAS MILL         Image: Control of the control of the	Method Blank	NA		KBLK9900009	NA	SOIL	/440-09-/	Potassium	0.388	U			6/2/1999	3031/6020	NA	None
Method Blank         NA         ATLAS MILL SITE         RBLK9900009         NA         SOIL         7440-22-4         Silver         0.0205         U         6/2/1999         3051/6020         NA         Non	Method Blank	NA		RBLK9900009	NA	SOIL	7782-49-2	Selenium	0.163	U			6/4/1999	3051/6020	NA	None
ATLAS MILL ATLAS MILL						~ ~ ~ ~ ~			*****		1		********			- 10
	Method Blank	NA		RBLK9900009	NA	SOIL	7440-22-4	Silver	0.0205	U			6/2/1999	3051/6020	NA	None
	Method Blank	NA		RBLK9900009	NA	SOIL	7440-23-5	Sodium	0.541	U			6/2/1999	3051/6020	NA	None
ATLAS MILL	Mathad Plant	NIA		DDI 1/0000000	NI A	COII	7440 28 0	Thellium	0.0112	11			6/2/1000	2051/6020	NI A	None
Method Blank         NA         SITE         RBLK9900009         NA         SOIL         7440-28-0         Thallium         0.0113         U         6/2/1999         3051/6020         NA         Non           ATLAS MILL         ATLAS MILL         Image: Control of the con	ivietnoù Biañk	INA		KBLK9900009	INA	SUIL	/440-28-0	i namum	0.0113	U			0/2/1999	3031/0020	INA	None
	Method Blank	NA		RBLK9900009	NA	SOIL	7440-62-2	Vanadium	0.0113	U			6/2/1999	3051/6020	NA	None

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID: So	Stanta (m)	Project	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Ameliote	Concentration (mg/kg		Qualifier		Dete Analysis	Method	Tankana	Artifacts:
10: 50	Strata (m)	Name:	#:	Date Collecteu:	Matrix:	CAS Number	Analyte	dry)		Cuaimei C	0	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900009	NA	SOIL	7440-66-6	Zinc	0.0287	U			6/2/1999	3051/6020	NA	None
		ATLAS MILL													
CHW Mi	lid-Channel	SITE ATLAS MILL	99.01165D	2/28/1999	Sediment	7429-90-5	Aluminum	297				6/16/1999	3051/6020	Fine	Yes
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-36-0	Antimony	0.0181	U			6/15/1999	3051/6020	Fine	Yes
CITIT		ATLAS MILL	)).01105B	2/20/1///	Seament	7110 30 0		0.0101				0/10/1///	300170020	10	103
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-38-2	Arsenic	0.0811	U			6/15/1999	3051/6020	Fine	Yes
l l _		ATLAS MILL								_					
CHW Mi	lid-Channel	SITE ATLAS MILL	99.01165D	2/28/1999	Sediment	7440-39-3	Barium	2.13		В		6/15/1999	3051/6020	Fine	Yes
CHW Mi	lid-Channel		99.01165D	2/28/1999	Sediment	7440-41-7	Beryllium	0.0158		В		6/16/1999	3051/6020	Fine	Yes
C11 ()		ATLAS MILL	)).01100B	2/20/1///	Seament	7110 11 7	Dorymum	0.0150				0/10/1///	300170020	10	103
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-43-9	Cadmium	0.0159	U			6/15/1999	3051/6020	Fine	Yes
l l.		ATLAS MILL	00.0446#P					440				6/4.6/4.000	2051/5020		**
CHW Mi	lid-Channel	SITE ATLAS MILL	99.01165D	2/28/1999	Sediment	7440-70-2	Calcium	448		В		6/16/1999	3051/6020	Fine	Yes
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-47-3	Chromium	0.261		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-48-4	Cobalt	0.0474		В		6/15/1999	3051/6020	Fine	Yes
CHW Mi		ATLAS MILL SITE	99.01165D	2/28/1000	C - Ji	7440-50-8	C	0.232		В		6/15/1000	2051/6020	Ein.	V
CHW MI	lid-Channel	ATLAS MILL	99.01163D	2/28/1999	Sediment	/440-30-8	Copper	0.232		В		6/15/1999	3051/6020	Fine	Yes
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7439-89-6	Iron	194				6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7439-92-1	Lead	0.178		В		6/15/1999	3051/6020	Fine	Yes
CHW Mi	id-Channel	ATLAS MILL SITE	99.01165D	2/28/1999	Sediment	7439-95-4	Magnesium	110		В		6/15/1999	3051/6020	Fine	Yes
CIIW		ATLAS MILL	)).01103D	2/20/1777	Scament	7437-73-4	Magnesium	110		Б		0/13/1777	3031/0020	Tille	103
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7439-96-5	Manganese	4.42				6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
CHW Mi	lid-Channel	SITE ATLAS MILL	99.01165D	2/28/1999	Sediment	7439-97-6	Mercury	0.062	U			3/17/1999	7471A	Fine	Yes
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-02-0	Nickel	0.214	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		~~~							0, 20, 22, 2			
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-09-7	Potassium	94.4		В		6/15/1999	3051/6020	Fine	Yes
CHW Mi	lid-Channel	ATLAS MILL SITE	99.01165D	2/28/1999	Sediment	7782-49-2	Selenium	0.405	U			6/15/1999	3051/6020	Fine	Yes
CHW IVII		ATLAS MILL	99.01103D	2/20/1999	Scument	1102-49-2	Scientum	0.403	U			0/13/1999	3031/0020	FIIIC	1 05
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-22-4	Silver	0.0509	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-23-5	Sodium	11.4		В		6/15/1999	3051/6020	Fine	Yes
CHW Mi	id-Channel	ATLAS MILL SITE	99.01165D	2/28/1999	Sediment	7440-28-0	Thallium	0.028	U			6/15/1999	3051/6020	Fine	Yes
CIIV		ATLAS MILL	77.01103D	2/20/17/7	Scament	, 440-20-0	1 namuni	0.020	U			0/13/1777	3031/0020	Tille	103
CHW Mi	id-Channel	SITE	99.01165D	2/28/1999	Sediment	7440-62-2	Vanadium	0.537		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
CHW Mi	lid-Channel	SITE ATLAS MILL	99.01165D	2/28/1999	Sediment	7440-66-6	Zinc	0.809		В		6/15/1999	3051/6020	Fine	Yes
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7429-90-5	Aluminum	112				6/17/1999	3051/6020	Fine	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-36-0	Antimony	0.0138	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL					_								
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-38-2	Arsenic	0.0621	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-39-3	Barium	2.76		В		6/17/1999	3051/6020	Fine	Yes
1777	NG	ATLAS MILL	00.01175	2/20/1000	G 1: .	5440 41 5	D 11.	0.012	**			6/01/1000	2051/6020	ъ:	**
UX	NS	SITE ATLAS MILL	99.01175F	2/28/1999	Sediment	7440-41-7	Beryllium	0.012	U			6/21/1999	3051/6020	Fine	Yes
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-43-9	Cadmium	0.0122	U			6/17/1999	3051/6020	Fine	Yes
UA	110	ATLAS MILL	<i>))</i> .011/31	2/20/17/7	Scannent	/440-43-7	Cadimum	0.0122	-			0/1//1///	3031/0020	Tille	103
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-70-2	Calcium	391		В		6/17/1999	3051/6020	Fine	Yes
-		ATLAS MILL												-	
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-47-3	Chromium	0.292		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-48-4	Cobalt	0.0406		В		6/17/1999	3051/6020	Fine	Yes
1777	NG	ATLAS MILL	00.01175	2/20/1000	G 1: .	7440.50.0		0.107		ъ.		6/17/1000	2051/6020	ъ:	**
UX	NS	SITE ATLAS MILL	99.01175F	2/28/1999	Sediment	7440-50-8	Copper	0.107		В		6/17/1999	3051/6020	Fine	Yes
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7439-89-6	Iron	129				6/17/1999	3051/6020	Fine	Yes
OA		ATLAS MILL	77.011731	2/20/17/7	Scannent	7437-07-0	non	12)				0/1//1///	3031/0020	Tille	103
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7439-92-1	Lead	0.129		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7439-95-4	Magnesium	73.9		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7439-96-5	Manganese	2.91				6/17/1999	3051/6020	Fine	Yes
1777	NG	ATLAS MILL	00.01175	2/20/1000	G 1:	7420.07.6		0.0475	**			2/10/1000	7.471.4	ъ:	**
UX	NS	SITE ATLAS MILL	99.01175F	2/28/1999	Sediment	7439-97-6	Mercury	0.0475	U			3/18/1999	7471A	Fine	Yes
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-02-0	Nickel	0.164	U			6/17/1999	3051/6020	Fine	Yes
071	110	ATLAS MILL	77.011751	2/20/1///	Seament	7110 02 0	TVICKEI	0.101	- 0			0/1//1///	3031/0020	Time	103
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-09-7	Potassium	30.9		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7782-49-2	Selenium	0.31	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE ATLAS MILL	99.01175F	2/28/1999	Sediment	7440-22-4	Silver	0.039	U			6/17/1999	3051/6020	Fine	Yes
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-23-5	Sodium	6.35		В		6/17/1999	3051/6020	Fine	Yes
UA	IND	ATLAS MILL	77.011/JF	4/40/1777	Beuiment	/++0-23-3	Soutuil	0.55		ь		0/1//1999	3031/0020	1 IIIC	1 05
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-28-0	Thallium	0.0214	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL		* * *										-	
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-62-2	Vanadium	0.281		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	NS	SITE	99.01175F	2/28/1999	Sediment	7440-66-6	Zinc	0.536		В		6/17/1999	3051/6020	Fine	Yes
LIX		ATLAS MILL	00.011725	2/20/1000	0.1	7420.00.5	A1	90.2				6/17/1000	2051/6020	E.	37
UX	1	SITE ATLAS MILL	99.01173D	2/28/1999	Sediment	7429-90-5	Aluminum	89.3				6/17/1999	3051/6020	Fine	Yes
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-36-0	Antimony	0.0141	U			6/17/1999	3051/6020	Fine	Yes
	•	ATLAS MILL	,,	2,20,1777	Seamon	, 50 0	· ······iy	0.0141				S. 1.1.1777	5051,0020		1 05
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-38-2	Arsenic	0.0631	U			6/17/1999	3051/6020	Fine	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID: 5	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	s O	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									_	1			
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-39-3	Barium	3.59		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-41-7	Beryllium	0.0122	U			6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-43-9	Cadmium	0.0123	U			6/17/1999	3051/6020	Fine	Yes
LIN	1	ATLAS MILL	00.01172D	2/20/1000	G . I'	7440 70 2	0.1.1	256		D		6/17/1000	2051/6020	E.	<b>W</b>
UX	1	SITE ATLAS MILL	99.01173D	2/28/1999	Sediment	7440-70-2	Calcium	356		В		6/17/1999	3051/6020	Fine	Yes
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-47-3	Chromium	0.0992		В		6/21/1999	3051/6020	Fine	Yes
0.11	•	ATLAS MILL	)).011/3B	2/20/1///	Seament	7110 17 3	Cinomiani	0.0552				0/21/1999	300170020	1	100
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-48-4	Cobalt	0.0351		В		6/17/1999	3051/6020	Fine	Yes
İ		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-50-8	Copper	0.088		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7439-89-6	Iron	95.1				6/17/1999	3051/6020	Fine	Yes
HV	1	ATLAS MILL	00.01172D	2/28/1000	C - Ji	7420 02 1	Tand	0.101		В		6/17/1000	2051/6020	Ein.	V
UX	1	SITE ATLAS MILL	99.01173D	2/28/1999	Sediment	7439-92-1	Lead	0.101		В		6/17/1999	3051/6020	Fine	Yes
UX	1	SITE	99.01173D	2/28/1999	Sediment	7439-95-4	Magnesium	66.4		В		6/17/1999	3051/6020	Fine	Yes
0.11	•	ATLAS MILL	)).011/3B	2/20/1///	Seament	7 137 75 1	magnesiam	00.1				0/1//1///	300170020	1	100
UX	1	SITE	99.01173D	2/28/1999	Sediment	7439-96-5	Manganese	3.32				6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7439-97-6	Mercury	0.0482	U			3/18/1999	7471A	Fine	Yes
		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-02-0	Nickel	0.166	U			6/17/1999	3051/6020	Fine	Yes
LIV	1	ATLAS MILL	99.01173D	2/28/1000	C = 1: t	7440-09-7	Datassissas	19.9		В		6/17/1000	3051/6020	Ein.	Van
UX	1	SITE ATLAS MILL	99.011/3D	2/28/1999	Sediment	/440-09-/	Potassium	19.9		В		6/17/1999	3031/6020	Fine	Yes
UX	1	SITE	99.01173D	2/28/1999	Sediment	7782-49-2	Selenium	0.315	U			6/17/1999	3051/6020	Fine	Yes
0.11		ATLAS MILL	)).011/3B	2/20/1///	Seament	7,02 1,7 2	Beleinan	0.515				0/1//1///	300170020	1	100
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-22-4	Silver	0.0396	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-23-5	Sodium	5.07		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL	00.044505			<b>-</b> 440 <b>-</b> 00 0		0.0040				C/4 # /4 0 0 0	2071/5020		**
UX	1	SITE ATLAS MILL	99.01173D	2/28/1999	Sediment	7440-28-0	Thallium	0.0218	U			6/17/1999	3051/6020	Fine	Yes
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-62-2	Vanadium	0.19		В		6/17/1999	3051/6020	Fine	Yes
UA	1	ATLAS MILL	77.01173D	2/20/1777	Scamicit	7770-02-2	+ anadrulli	0.17		- 5		0/1//1///	3031/0020	THE	103
UX	1	SITE	99.01173D	2/28/1999	Sediment	7440-66-6	Zinc	0.391		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7429-90-5	Aluminum	73.2				6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-36-0	Antimony	0.0122	U			6/17/1999	3051/6020	Fine	Yes
LIN	-	ATLAS MILL	00.012007	2/28/1000	0.1	7440 20 2		0.0540				6/17/1000	2051/6026	E	37
UX	5	SITE ATLAS MILL	99.01209Y	2/28/1999	Sediment	7440-38-2	Arsenic	0.0548	U			6/17/1999	3051/6020	Fine	Yes
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-39-3	Barium	4.29		В		6/17/1999	3051/6020	Fine	Yes
OA -		ATLAS MILL	JJ.012071	2/20/1///	Seament	, 110 37 3	Durium	1.47		-		0/1//1///	5051/0020	1 1110	103
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-41-7	Beryllium	0.0106	U			6/21/1999	3051/6020	Fine	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	-s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-43-9	Cadmium	0.0107	U			6/17/1999	3051/6020	Fine	Yes
LIV	-	ATLAS MILL	00.0120037	2/20/1000	G . 1'	7440 70 2	Galai aa	215		В		6/17/1000	2051/6020	E.	37
UX	5	SITE ATLAS MILL	99.01209Y	2/28/1999	Sediment	7440-70-2	Calcium	315		В		6/17/1999	3051/6020	Fine	Yes
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-47-3	Chromium	0.126		В		6/21/1999	3051/6020	Fine	Yes
0.11		ATLAS MILL	)).0120)1	2/20/17/7	Seament	71.10 17 3	Cinomiani	0.120				0/21/1999	3051,0020	1	100
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-48-4	Cobalt	0.0294		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-50-8	Copper	0.0586		В		6/17/1999	3051/6020	Fine	Yes
1177	_	ATLAS MILL	00.0120017	2/20/1000	G 1:	7420.00.6		04.0				6/17/1000	2051/6020	TD:	***
UX	5	SITE ATLAS MILL	99.01209Y	2/28/1999	Sediment	7439-89-6	Iron	94.9		-		6/17/1999	3051/6020	Fine	Yes
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7439-92-1	Lead	0.0852		В		6/17/1999	3051/6020	Fine	Yes
0.11		ATLAS MILL	)).0120)1	2/20/17/7	Seament	7.37.72.1	Zeud	0.0002				0/1//1///	3051,0020	1	100
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7439-95-4	Magnesium	61.5		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7439-96-5	Manganese	2.43		В		6/17/1999	3051/6020	Fine	Yes
UX	5	ATLAS MILL SITE	99.01209Y	2/28/1999	Sediment	7439-97-6	M	0.0419	U			3/19/1999	7471A	Fine	Yes
UA	3	ATLAS MILL	99.012091	2/28/1999	Sediment	/439-97-0	Mercury	0.0419	U			3/19/1999	/4/1A	rine	res
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-02-0	Nickel	0.144	U			6/17/1999	3051/6020	Fine	Yes
-		ATLAS MILL												-	
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-09-7	Potassium	22.2		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7782-49-2	Selenium	0.274	U			6/17/1999	3051/6020	Fine	Yes
UX	5	ATLAS MILL SITE	99.01209Y	2/28/1999	Sediment	7440-22-4	Silver	0.0344	U			6/17/1999	3051/6020	Fine	Yes
UA	3	ATLAS MILL	99.012091	2/20/1999	Sedifficit	7440-22-4	Silvei	0.0344	U			0/1//1999	3031/0020	FIIIC	1 05
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-23-5	Sodium	3.89		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-28-0	Thallium	0.0189	U			6/17/1999	3051/6020	Fine	Yes
	_	ATLAS MILL								_					
UX	5	SITE ATLAS MILL	99.01209Y	2/28/1999	Sediment	7440-62-2	Vanadium	0.249		В		6/17/1999	3051/6020	Fine	Yes
UX	5	SITE	99.01209Y	2/28/1999	Sediment	7440-66-6	Zinc	0.377		В		6/17/1999	3051/6020	Fine	Yes
UA		ATLAS MILL	77.012071	2/20/1777	Scannent	7440-00-0	Zinc	0.577		Б		0/1//1///	3031/0020	1 mc	103
UX	10	SITE	99.011174E	2/28/1999	Sediment	7429-90-5	Aluminum	63.2				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-36-0	Antimony	0.0114	U	ļ		6/17/1999	3051/6020	Medium	Yes
IIV	10	ATLAS MILL	00.0111745	2/28/1000	C - 1: ·	7440 29 2	A	0.0512	U			6/17/1000	2051/6020	Madiana	V
UX	10	SITE ATLAS MILL	99.011174E	2/28/1999	Sediment	7440-38-2	Arsenic	0.0513	U	1		6/17/1999	3051/6020	Medium	Yes
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-39-3	Barium	2.54		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL						.= :		1					
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-41-7	Beryllium	0.0099	U			6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL						_							
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-43-9	Cadmium	0.01	U	1		6/17/1999	3051/6020	Medium	Yes
UX	10	ATLAS MILL SITE	99.011174E	2/28/1999	Sediment	7440-70-2	Calcium	390		В		6/17/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL								Ī	~				
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-47-3	Chromium	0.0831		В		6/21/1999	3051/6020	Medium	Yes
0.71	10	ATLAS MILL	>>.01117.12	2/20/17/7	Seamon	71.10 17 3	Cinomiani	0.0031				0/21/1///	3001/0020	1110414111	105
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-48-4	Cobalt	0.0258		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-50-8	Copper	0.0654		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7439-89-6	Iron	83.4				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7439-92-1	Lead	0.0772		В		6/17/1999	3051/6020	Medium	Yes
	4.0	ATLAS MILL	00.0444.		a 11	= 400 0 = 4				-		5 /4 <b>3</b> /4 0 0 0	2054/5020		**
UX	10	SITE	99.011174E	2/28/1999	Sediment	7439-95-4	Magnesium	66.6		В		6/17/1999	3051/6020	Medium	Yes
1137	10	ATLAS MILL	00 011174E	2/20/1000	G . 1'	7420.06.5		2.74				6/17/1000	2051/6020	Maria	37
UX	10	SITE ATLAS MILL	99.011174E	2/28/1999	Sediment	7439-96-5	Manganese	2.74		-		6/17/1999	3051/6020	Medium	Yes
UX	10	SITE	99.011174E	2/28/1999	Sediment	7439-97-6	Mercury	0.0392	U			3/18/1999	7471A	Medium	Yes
UA	10	ATLAS MILL	99.0111/4E	2/20/1999	Sedifficit	/439-97-0	Mercury	0.0392	U			3/10/1999	/4/1A	Medium	1 08
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-02-0	Nickel	0.135	U			6/17/1999	3051/6020	Medium	Yes
OA	10	ATLAS MILL	77.011174L	2/20/1777	Scument	7440-02-0	TVICKCI	0.155	- 0			0/1//1///	3031/0020	Wicdiani	103
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-09-7	Potassium	15.5		В		6/17/1999	3051/6020	Medium	Yes
_	-	ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7782-49-2	Selenium	0.256	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-22-4	Silver	0.0322	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-23-5	Sodium	3.52		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-28-0	Thallium	0.0177	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
UX	10	SITE	99.011174E	2/28/1999	Sediment	7440-62-2	Vanadium	0.162		В		6/17/1999	3051/6020	Medium	Yes
1137	10	ATLAS MILL	00.0111745	2/20/1000	G 1:	7440.66.6		0.201		- D		6/17/1000	2051/6020	3.6 1:	37
UX	10	SITE ATLAS MILL	99.011174E	2/28/1999	Sediment	7440-66-6	Zinc	0.381		В		6/17/1999	3051/6020	Medium	Yes
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7429-90-5	Aluminum	158				6/16/1999	3051/6020	Fine	Yes
- 04	IND	ATLAS MILL	99.01131A	2/20/1999	Sedifficit	7429-90-3	Alummum	136				0/10/1999	3031/0020	rine	1 08
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-36-0	Antimony	0.0119	U			6/15/1999	3051/6020	Fine	Yes
0.1	115	ATLAS MILL	)).011312t	2/20/1777	Seament	7110 30 0	Zintilliony	0.011)				0/15/1///	3031/0020	Time	103
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-38-2	Arsenic	0.0537		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL									İ			-	
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-39-3	Barium	1.92		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													_
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-41-7	Beryllium	0.0104	U			6/16/1999	3051/6020	Fine	Yes
		ATLAS MILL									1				
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-43-9	Cadmium	0.0105	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-70-2	Calcium	493		В	<b> </b>	6/16/1999	3051/6020	Fine	Yes
174	NG	ATLAS MILL	00.0117177	2/20/1000	0.1	7440 47 3	GI	0.210		_		6/15/1000	2051/6020	E.	17
U4	NS	SITE ATLAS MILL	99.01151X	2/28/1999	Sediment	7440-47-3	Chromium	0.219		В	<del>                                     </del>	6/15/1999	3051/6020	Fine	Yes
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-48-4	Cobalt	0.0453		В		6/15/1999	3051/6020	Fine	Yes
U4	CNI	SHE	27.01131A	2/20/1777	Beament	/440-46-4	Cobait	0.0433		D	l	0/13/1999	3031/0020	FIIIC	1 08

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-50-8	Copper	0.143		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7439-89-6	Iron	179				6/16/1999	3051/6020	Fine	Yes
***	NG	ATLAS MILL	00 0115137	2/20/1000	G 1:	7420.02.1		0.140		D		6/15/1000	2051/6020	17.	37
U4	NS	SITE ATLAS MILL	99.01151X	2/28/1999	Sediment	7439-92-1	Lead	0.149		В		6/15/1999	3051/6020	Fine	Yes
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7439-95-4	Magnesium	114		В		6/15/1999	3051/6020	Fine	Yes
04	IND	ATLAS MILL	99.01131A	2/20/1999	Sediment	7439-93-4	iviagnesium	114		ь		0/13/1999	3031/0020	Fine	165
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7439-96-5	Manganese	4.31				6/16/1999	3051/6020	Fine	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						0,00,0,0			
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7439-97-6	Mercury	0.041	U			3/17/1999	7471A	Fine	Yes
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-02-0	Nickel	0.192		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-09-7	Potassium	48.6		В		6/15/1999	3051/6020	Fine	Yes
U4	NS	ATLAS MILL	00.0115137	2/20/1000	G . 1'	7782-49-2	0.1	0.268	IJ			6/15/1000	2051/6020	TC'	37
U4	NS	SITE ATLAS MILL	99.01151X	2/28/1999	Sediment	//82-49-2	Selenium	0.268	U			6/15/1999	3051/6020	Fine	Yes
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-22-4	Silver	0.0337	U			6/15/1999	3051/6020	Fine	Yes
0.1	110	ATLAS MILL	)).01151A	2/20/17/7	Seament	7110 22 1	Sirver	0.0557	- 0			0/15/1777	3031/0020	Time	103
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-23-5	Sodium	11.1		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-28-0	Thallium	0.0185	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	NS	SITE	99.01151X	2/28/1999	Sediment	7440-62-2	Vanadium	0.348		В		6/15/1999	3051/6020	Fine	Yes
***	2.70	ATLAS MILL			a 11	=440.55.5		0.600				5/4 # /4 000	2074/5020	<b></b>	**
U4	NS	SITE ATLAS MILL	99.01151X	2/28/1999	Sediment	7440-66-6	Zinc	0.638		В		6/15/1999	3051/6020	Fine	Yes
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7429-90-5	Aluminum	143				6/16/1999	3051/6020	Fine	Yes
04	1	ATLAS MILL	99.01143Z	2/26/1999	Sedifficit	7429-90-3	Alummum	143				0/10/1999	3031/0020	FIIIC	1 08
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-36-0	Antimony	0.0111	U			6/15/1999	3051/6020	Fine	Yes
0.	•	ATLAS MILL	)).011 lb2	2/20/1///	Seament	7110 30 0	7 11111110119	0.0111				0/10/1///	3021/0020	1	100
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-38-2	Arsenic	0.0499	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-39-3	Barium	1.61		В		6/15/1999	3051/6020	Fine	Yes
	_	ATLAS MILL													
U4	l	SITE	99.01145Z	2/28/1999	Sediment	7440-41-7	Beryllium	0.00964	U		<b> </b>	6/16/1999	3051/6020	Fine	Yes
U4	1	ATLAS MILL SITE	99.01145Z	2/28/1999	Sediment	7440-43-9	Cadmium	0.00977	U			6/15/1999	3051/6020	Fine	Yes
04	1	ATLAS MILL	99.01143Z	2/26/1999	Sedifficit	/440-43-9	Cadilliulli	0.00977	U			0/13/1999	3031/0020	FIIIC	1 08
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-70-2	Calcium	422		В		6/16/1999	3051/6020	Fine	Yes
J.	•	ATLAS MILL				2		.22					2 22 2.0020		- 55
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-47-3	Chromium	0.19		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-48-4	Cobalt	0.0442		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL					_			l _					
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-50-8	Copper	0.113		В	<b> </b>	6/15/1999	3051/6020	Fine	Yes
U4	1	ATLAS MILL SITE	99.01145Z	2/28/1999	Sediment	7439-89-6	Iron	146				6/15/1999	3051/6020	Fine	Yes
U4	1	SHE	99.01143Z	2/28/1999	seament	/439-89-6	Iron	140	<u> </u>		L	0/13/1999	3031/0020	rine	res

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

			1									1 1			
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									_				
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7439-92-1	Lead	0.134		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7439-95-4	Magnesium	100		В		6/15/1999	3051/6020	Fine	Yes
U4	1	ATLAS MILL SITE	99.01145Z	2/28/1999	Sediment	7439-96-5	Manganese	4.06				6/16/1999	3051/6020	Fine	Yes
- 04	1	ATLAS MILL	99.01143Z	2/26/1999	Sedifficit	7439-90-3	ivianganese	4.00				0/10/1999	3031/0020	Fine	165
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7439-97-6	Mercury	0.0382	U			3/17/1999	7471A	Fine	Yes
		ATLAS MILL					-								
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-02-0	Nickel	0.149		В		6/15/1999	3051/6020	Fine	Yes
U4	1	ATLAS MILL SITE	99.01145Z	2/28/1999	Sediment	7440-09-7	Potassium	39.3		В		6/15/1999	3051/6020	Fine	Yes
04	1	ATLAS MILL	99.01143Z	2/26/1999	Sedifficit	/440-09-/	Fotassiuiii	39.3		ь		0/13/1999	3031/0020	FIIIC	1 65
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7782-49-2	Selenium	0.249	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-22-4	Silver	0.0313	U			6/15/1999	3051/6020	Fine	Yes
7.74		ATLAS MILL	00.011457	2/20/1000	C . 1'	7440 22 5	G . 1'	12.7		В		6/15/1000	2051/6020	E	<b>Y</b> /
U4	1	SITE ATLAS MILL	99.01145Z	2/28/1999	Sediment	7440-23-5	Sodium	12.7		В		6/15/1999	3051/6020	Fine	Yes
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-28-0	Thallium	0.0172	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
U4	1	SITE	99.01145Z	2/28/1999	Sediment	7440-62-2	Vanadium	0.302		В		6/15/1999	3051/6020	Fine	Yes
114		ATLAS MILL	00.011457	2/20/1000	0.1	7440.66.6	7	0.56		D		6/15/1000	2051/6020	E	<b>Y</b> /
U4	1	SITE ATLAS MILL	99.01145Z	2/28/1999	Sediment	7440-66-6	Zinc	0.56		В		6/15/1999	3051/6020	Fine	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7429-90-5	Aluminum	67.7				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-36-0	Antimony	0.0104	U			6/15/1999	3051/6020	Medium	Yes
774	_	ATLAS MILL	00.01140.0	2/20/1000	0.11	7440.20.2		0.0460	**			6/15/1000	2051/6020	36.11	37
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7440-38-2	Arsenic	0.0468	U			6/15/1999	3051/6020	Medium	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-39-3	Barium	2		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	77,101100			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						0,10,11,1			- 10
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-41-7	Beryllium	0.00904	U			6/16/1999	3051/6020	Medium	Yes
114		ATLAS MILL	00.01140	2/20/1000	C. F.	7440 42.0	C. L.:	0.00015				6/15/1000	2051/6026	Matter	37
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7440-43-9	Cadmium	0.00915	U	1		6/15/1999	3051/6020	Medium	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-70-2	Calcium	293		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL			. ,			-							
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-47-3	Chromium	0.0931		В		6/15/1999	3051/6020	Medium	Yes
114		ATLAS MILL	00.01140	2/20/1000	C. F.	7440 40 4	Calak	0.0204		D		6/15/1000	2051/6026	Matter	37
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7440-48-4	Cobalt	0.0204		В		6/15/1999	3051/6020	Medium	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-50-8	Copper	0.0524		В		6/15/1999	3051/6020	Medium	Yes
	-	ATLAS MILL					PF	****				4, -4, -, , ,			
U4	5	SITE	99.01148C	2/28/1999	Sediment	7439-89-6	Iron	82				6/15/1999	3051/6020	Medium	Yes
774	_	ATLAS MILL	00.011.405	2/20/1000	0.11	7.420.02 f		0.0001		. n		6/15/1006	2051/6026	36.11	77
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7439-92-1	Lead	0.0691		В		6/15/1999	3051/6020	Medium	Yes
U4	5		99.01148C	2/28/1999	Sediment	7439-95-4	Magnesium	58.6		В		6/15/1999	3051/6020	Medium	Yes
U4		ATLAS MILL SITE	99.01148C	2/28/1999	Sediment		Magnesium	58.6		В		6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)		NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
									(	3	Q				
T.T.4	-	ATLAS MILL	00.011400	2/20/1000	0.1	7420.06.5		2.72				6/15/1000	2051/6020	M. F	<b>V</b>
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7439-96-5	Manganese	2.73				6/15/1999	3051/6020	Medium	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7439-97-6	Mercury	0.0357	U			3/17/1999	7471A	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					414447				2,1,,1,,,	, ,,,,,,,		
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-02-0	Nickel	0.123	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-09-7	Potassium	22.1		В		6/15/1999	3051/6020	Medium	Yes
7.74	-	ATLAS MILL	00.011400	2/20/1000	G . 1'	7702 40 2	G.L.	0.224	U			6/15/1000	2051/6020	M. F	<b>V</b>
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7782-49-2	Selenium	0.234	U			6/15/1999	3051/6020	Medium	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-22-4	Silver	0.0294	U			6/15/1999	3051/6020	Medium	Yes
01		ATLAS MILL	)).01140C	2/20/1777	Scannent	7110 22 1	Sirver	0.0271	Ü			0/15/17/7	3031/0020	Wicaram	103
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-23-5	Sodium	8.43		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-28-0	Thallium	0.0161	U			6/15/1999	3051/6020	Medium	Yes
***	_	ATLAS MILL						0.4.40		_		6/4 # /4 000	2074/5020		**
U4	5	SITE ATLAS MILL	99.01148C	2/28/1999	Sediment	7440-62-2	Vanadium	0.149		В		6/15/1999	3051/6020	Medium	Yes
U4	5	SITE	99.01148C	2/28/1999	Sediment	7440-66-6	Zinc	0.316		В		6/15/1999	3051/6020	Medium	Yes
04	3	ATLAS MILL	77.01146C	2/20/1777	Scument	7440-00-0	Zinc	0.510		В		0/13/17/7	3031/0020	Wediam	103
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7429-90-5	Aluminum	24.9		В		6/16/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-36-0	Antimony	0.0102	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL												_	
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-38-2	Arsenic	0.0458	U			6/15/1999	3051/6020	Coarse	Yes
E4	NS	ATLAS MILL SITE	99.01147B	2/28/1999	Sediment	7440-39-3	Barium	1.61		В		6/15/1999	3051/6020	Coarse	Yes
L4	IND	ATLAS MILL	99.0114/B	2/20/1999	Sediment	7440-39-3	Darrum	1.01		ь		0/13/1999	3031/0020	Coarse	165
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-41-7	Beryllium	0.00884	U			6/16/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-43-9	Cadmium	0.00895	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-70-2	Calcium	193		В		6/16/1999	3051/6020	Coarse	Yes
E4	NS	ATLAS MILL SITE	99.01147B	2/29/1000	Sediment	7440-47-3	Characterista	0.0226		В		6/15/1000	2051/6020	C	Yes
E4	INS	ATLAS MILL	99.0114/B	2/28/1999	seament	/440-47-3	Chromium	0.0336		В		6/15/1999	3051/6020	Coarse	i es
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-48-4	Cobalt	0.0139	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-50-8	Copper	0.0201		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7439-89-6	Iron	43.5	ļ		ļ	6/15/1999	3051/6020	Coarse	Yes
E4	NS	ATLAS MILL SITE	99.01147B	2/20/1000	Sediment	7439-92-1	Lead	0.0461		В		6/15/1999	2051/6020	Coarse	V
E4	IND	ATLAS MILL	99.0114/B	2/28/1999	seament	/439-92-1	Lead	0.0401		ь	1	0/13/1999	3051/6020	Coarse	Yes
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7439-95-4	Magnesium	32.4		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL					8					4, 24, 27, 7			
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7439-96-5	Manganese	2.04	<u> </u>	В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7439-97-6	Mercury	0.035	U		<u> </u>	3/17/1999	7471A	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

1		1	T									1		Г	
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL								Ī					
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-02-0	Nickel	0.121	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-09-7	Potassium	6.35		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL												_	
E4	NS	SITE ATLAS MILL	99.01147B	2/28/1999	Sediment	7782-49-2	Selenium	0.229	U			6/15/1999	3051/6020	Coarse	Yes
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-22-4	Silver	0.0287	U			6/15/1999	3051/6020	Coarse	Yes
LT	110	ATLAS MILL	)).0114/B	2/20/1777	Scannent	7440-22-4	Silver	0.0267				0/13/1777	3031/0020	Coarse	103
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-23-5	Sodium	5.16		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-28-0	Thallium	0.0158	U			6/15/1999	3051/6020	Coarse	Yes
7.4	2.70	ATLAS MILL	00.044450									5 /4 # /4 O O O	2054/5020		
E4	NS	SITE ATLAS MILL	99.01147B	2/28/1999	Sediment	7440-62-2	Vanadium	0.0747		В		6/15/1999	3051/6020	Coarse	Yes
E4	NS	SITE	99.01147B	2/28/1999	Sediment	7440-66-6	Zinc	0.165		В		6/15/1999	3051/6020	Coarse	Yes
L4	IND	ATLAS MILL	99.01147B	2/26/1999	Scument	7440-00-0	Zilic	0.103		ь		0/13/1999	3031/0020	Coarse	165
E4	1	SITE	99.01143X	2/28/1999	Sediment	7429-90-5	Aluminum	64.5		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-36-0	Antimony	0.0093	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-38-2	Arsenic	0.0417	U			6/15/1999	3051/6020	Medium	Yes
E4	1	ATLAS MILL SITE	99.01143X	2/28/1999	Sediment	7440-39-3	Barium	1.22		В		6/15/1999	3051/6020	Medium	Yes
L4	1	ATLAS MILL	99.01143X	2/26/1999	Scument	7440-39-3	Darrum	1.22		ь		0/13/1999	3031/0020	Wiedfulff	165
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-41-7	Beryllium	0.00806	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-43-9	Cadmium	0.00817	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	•												
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-70-2	Calcium	316		В		6/16/1999	3051/6020	Medium	Yes
E4	1	ATLAS MILL SITE	99.01143X	2/28/1999	Sediment	7440-47-3	Chromium	0.0966		В		6/15/1999	3051/6020	Medium	Yes
E4	1	ATLAS MILL	99.01143A	2/28/1999	Sealment	/440-47-3	Chromium	0.0900		В		6/15/1999	3031/6020	Medium	res
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-48-4	Cobalt	0.0276		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2000000	,		****				0, 20, 27, 7			
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-50-8	Copper	0.0705		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1		99.01143X	2/28/1999	Sediment	7439-89-6	Iron	93.9				6/15/1999	3051/6020	Medium	Yes
E4	1		00 01142V	2/28/1000	Sadimont	7/20 02 1	Lead	0.0042		D		6/15/1000	2051/6020	Madium	Yes
1.4	1		77.01143A	4/40/1777	Scuillellt	/ <del>1</del> 37-74-1	Leau	0.0044		Б		0/13/1777	3031/0020	ivicululii	1 68
E4	1	SITE	99.01143X	2/28/1999	Sediment	7439-95-4	Magnesium	79.7		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1	SITE	99.01143X	2/28/1999	Sediment	7439-96-5	Manganese	3.47				6/16/1999	3051/6020	Medium	Yes
!															
E4	1		99.01143X	2/28/1999	Sediment	7439-97-6	Mercury	0.0319	U			3/17/1999	7471A	Medium	Yes
E4	1		00 01143V	2/28/1000	Sadimant	7440 02 0	Nickel	0.11	11			6/15/1000	2051/6020	Madium	Yes
1.4	1		77.01143A	4/40/1777	Scuillellt	/	INICKUI	V.11	U			0/13/1999	3031/0020	ivicululii	1 68
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-09-7	Potassium	17.2		В		6/15/1999	3051/6020	Medium	Yes
E4 E4 E4	•	SITE ATLAS MILL SITE ATLAS MILL SITE ATLAS MILL SITE ATLAS MILL SITE ATLAS MILL SITE ATLAS MILL SITE ATLAS MILL	99.01143X 99.01143X 99.01143X	2/28/1999 2/28/1999 2/28/1999	Sediment Sediment	7439-96-5 7439-97-6 7440-02-0	Manganese  Mercury  Nickel	3.47 0.0319 0.11	U			6/16/1999 3/17/1999 6/15/1999	3051/6020 7471A 3051/6020	Medium Medium Medium	Y Y Y Y

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

		Г	1			T	Г		1			1			
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	-s   O	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL								Ĭ	_				
E4	1	SITE	99.01143X	2/28/1999	Sediment	7782-49-2	Selenium	0.209	U			6/15/1999	3051/6020	Medium	Yes
	-	ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,	2000000	*,-*,				0,10,10,0			
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-22-4	Silver	0.0262	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-23-5	Sodium	9.18		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-28-0	Thallium	0.0144	U			6/15/1999	3051/6020	Medium	Yes
E4		ATLAS MILL	00 011 4237	2/20/1000	G 1:	7440 62 2	X7 1:	0.164		ъ		6/15/1000	2051/6020	3.6.15	**
E4	I	SITE ATLAS MILL	99.01143X	2/28/1999	Sediment	7440-62-2	Vanadium	0.164		В		6/15/1999	3051/6020	Medium	Yes
E4	1	SITE	99.01143X	2/28/1999	Sediment	7440-66-6	Zinc	0.34		В		6/15/1999	3051/6020	Medium	Yes
LT	1	ATLAS MILL	)).011 <del>4</del> 3/	2/20/1777	Scament	7440-00-0	Zinc	0.54		ь		0/13/1///	3031/0020	Wicaram	103
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7429-90-5	Aluminum	145				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL						-							
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-36-0	Antimony	0.0114	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-38-2	Arsenic	0.0517		В		6/15/1999	3051/6020	Medium	Yes
7.4	_	ATLAS MILL						4.00		-		5/4 # /4 0 0 0	2071/5020		**
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-39-3	Barium	1.99		В		6/15/1999	3051/6020	Medium	Yes
E4	5	ATLAS MILL SITE	99.01152Y	2/28/1999	Sediment	7440-41-7	Beryllium	0.00988	U			6/16/1999	3051/6020	Medium	Yes
E4	3	ATLAS MILL	99.011321	2/20/1999	Sedifficit	/440-41-/	Berymuni	0.00988	U			0/10/1999	3031/0020	Medium	1 68
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-43-9	Cadmium	0.01	U			6/15/1999	3051/6020	Medium	Yes
2.		ATLAS MILL	>>.011521	2/20/1999	Seament	71.10 13 7	Cuamum	0.01				0/10/1999	3051,0020	1110414111	100
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-70-2	Calcium	470		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-47-3	Chromium	0.208		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-48-4	Cobalt	0.0421		В		6/15/1999	3051/6020	Medium	Yes
E4	_	ATLAS MILL	00.0115017	2/20/1000	G 1:	7440.50.0		0.122		ъ		6/15/1000	2051/6020	3.6.15	**
E4	5	SITE ATLAS MILL	99.01152Y	2/28/1999	Sediment	7440-50-8	Copper	0.123		В		6/15/1999	3051/6020	Medium	Yes
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7439-89-6	Iron	173				6/16/1999	3051/6020	Medium	Yes
LT		ATLAS MILL	77.011321	2/20/1777	Scament	7437-07-0	non	175				0/10/1777	3031/0020	Wicaram	103
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7439-92-1	Lead	0.147		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7439-95-4	Magnesium	117		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7439-96-5	Manganese	3.94		<u> </u>		6/16/1999	3051/6020	Medium	Yes
F4	-	ATLAS MILL	00.0115337	2/28/1000	C - 1: '	7420.07.6	M	0.0391	11			2/17/1000	7471 4	Madiana	V
E4	5	SITE ATLAS MILL	99.01152Y	2/28/1999	Sediment	7439-97-6	Mercury	0.0391	U	-		3/17/1999	7471A	Medium	Yes
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-02-0	Nickel	0.177		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	77.011321	2/20/1///	Seamont	7110 02 0	THERE	0.177		<u> </u>		0/15/17/7	303170020	Modium	103
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-09-7	Potassium	39.4		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7782-49-2	Selenium	0.255	U			6/15/1999	3051/6020	Medium	Yes
	_	ATLAS MILL													
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-22-4	Silver	0.0321	U			6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
									1	C	Q				
	_	ATLAS MILL								_					
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-23-5	Sodium	9.53		В		6/15/1999	3051/6020	Medium	Yes
Ε4	-	ATLAS MILL	99.01152Y	2/20/1000	G . 1'	7440 20 0	TPL . 111	0.0176	**			6/15/1000	2051/6020	Maria	37
E4	5	SITE ATLAS MILL	99.011321	2/28/1999	Sediment	7440-28-0	Thallium	0.0176	U			6/15/1999	3051/6020	Medium	Yes
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-62-2	Vanadium	0.332		В		6/15/1999	3051/6020	Medium	Yes
L4	3	ATLAS MILL	99.011321	2/20/1999	Sediment	7440-02-2	v anaurum	0.332		ь		0/13/1999	3031/0020	Wedium	165
E4	5	SITE	99.01152Y	2/28/1999	Sediment	7440-66-6	Zinc	0.608		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , , , , ,						0,10,1,1			
E4	10	SITE	99.01141V	2/28/1999	Sediment	7429-90-5	Aluminum	110				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-36-0	Antimony	0.0112	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-38-2	Arsenic	0.0504	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-39-3	Barium	2.09		В		6/15/1999	3051/6020	Medium	Yes
E4	10	ATLAS MILL SITE	99.01141V	2/29/1000	C = 1: 4	7440-41-7	DIIi	0.00973	U			6/16/1999	2051/6020	Madiana	V
E4	10	ATLAS MILL	99.01141V	2/28/1999	Sediment	/440-41-/	Beryllium	0.00973	U			6/16/1999	3051/6020	Medium	Yes
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-43-9	Cadmium	0.00985	U			6/15/1999	3051/6020	Medium	Yes
	10	ATLAS MILL	)).011111V	2/20/1777	Seament	7110 13 7	Cuamum	0.00705				0/15/17/7	3031/0020	Wicaram	103
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-70-2	Calcium	396		В		6/16/1999	3051/6020	Medium	Yes
	-	ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-47-3	Chromium	0.17		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-48-4	Cobalt	0.047		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-50-8	Copper	0.101		В		6/15/1999	3051/6020	Medium	Yes
7.4	4.0	ATLAS MILL			a 11	# 400 00 c		4.46				6/4 # /4 000	2051/5020		**
E4	10	SITE	99.01141V	2/28/1999	Sediment	7439-89-6	Iron	146				6/15/1999	3051/6020	Medium	Yes
E4	10	ATLAS MILL SITE	99.01141V	2/29/1000	C = 1: 4	7439-92-1	Tand	0.133		В		6/15/1000	2051/6020	Madiana	V
E4	10	ATLAS MILL	99.01141 V	2/28/1999	Sediment	/439-92-1	Lead	0.133		В		6/15/1999	3051/6020	Medium	Yes
E4	10	SITE	99.01141V	2/28/1999	Sediment	7439-95-4	Magnesium	93.9		В		6/15/1999	3051/6020	Medium	Yes
	10	ATLAS MILL	)).011111V	2/20/1777	Seament	7137 75 1	Magnesiani	75.7		В		0/15/1777	3031/0020	Wediani	103
E4	10	SITE	99.01141V	2/28/1999	Sediment	7439-96-5	Manganese	3.91				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL					Ĭ								
E4	10	SITE	99.01141V	2/28/1999	Sediment	7439-97-6	Mercury	0.0385	U			3/17/1999	7471A	Medium	Yes
		ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-02-0	Nickel	0.138		В		6/15/1999	3051/6020	Medium	Yes
	10	ATLAS MILL	00.011.417	2/20/1000	0.1	7440.00.5	D	21.6		_ n		6/15/1006	2051/6026	3.6 15	**
E4	10	SITE ATLAS MILL	99.01141V	2/28/1999	Sediment	7440-09-7	Potassium	31.6	<del> </del>	В	-	6/15/1999	3051/6020	Medium	Yes
E4	10	SITE	99.01141V	2/28/1999	Sediment	7782-49-2	Selenium	0.252	U			6/15/1999	3051/6020	Medium	Yes
1.4	10	ATLAS MILL	77.01141 V	2/20/1777	Scument	1102-47-2	Scientiali	0.232	U			0/13/1777	3031/0020	Medium	165
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-22-4	Silver	0.0316	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL		-1-0/1/2			2	*****							
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-23-5	Sodium	7.19		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-28-0	Thallium	0.0174	U			6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)		Qualifier	·s	Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
E4	10	ATLAS MILL	00 0114137	2/20/1000	G. F.	7440 (2.2	371	0.272		В		6/15/1000	2051/6020	Matter	X7
E4	10	SITE ATLAS MILL	99.01141V	2/28/1999	Sediment	7440-62-2	Vanadium	0.272		В		6/15/1999	3051/6020	Medium	Yes
E4	10	SITE	99.01141V	2/28/1999	Sediment	7440-66-6	Zinc	0.591		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7429-90-5	Aluminum	74.9				6/17/1999	3051/6020	Medium	Yes
E10	NS	ATLAS MILL SITE	99.01210Q	2/28/1999	Sediment	7440-36-0	Antimony	0.0102	U			6/17/1999	3051/6020	Medium	Yes
EIU	IND	ATLAS MILL	99.01210Q	2/26/1999	Sedifficit	7440-30-0	Antimony	0.0102	- 0			0/17/1999	3031/0020	Wiedium	165
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-38-2	Arsenic	0.0458	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	NS	SITE ATLAS MILL	99.01210Q	2/28/1999	Sediment	7440-39-3	Barium	3.05		В		6/17/1999	3051/6020	Medium	Yes
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-41-7	Beryllium	0.00884	U			6/21/1999	3051/6020	Medium	Yes
210	110	ATLAS MILL	>>.01210Q	2/20/1999	Беанненс	7110 11 7	Berymani	0.00001				0/21/1999	3021/0020	1110010111	100
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-43-9	Cadmium	0.00895	U			6/17/1999	3051/6020	Medium	Yes
F10	3.10	ATLAS MILL	00.012100	2/20/1000	0.11	7440 70 2	G 1 :	210		ъ.		6/17/1000	2051/6020	) ( !·	37
E10	NS	SITE ATLAS MILL	99.01210Q	2/28/1999	Sediment	7440-70-2	Calcium	310		В		6/17/1999	3051/6020	Medium	Yes
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-47-3	Chromium	0.103		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	NS	SITE ATLAS MILL	99.01210Q	2/28/1999	Sediment	7440-48-4	Cobalt	0.0346		В		6/17/1999	3051/6020	Medium	Yes
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-50-8	Copper	0.0876		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL	77101210			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20,000	***************************************				0,2,,,2,,			
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7439-89-6	Iron	93.4				6/17/1999	3051/6020	Medium	Yes
E10	NS	ATLAS MILL SITE	00.012100	2/28/1999	Sediment	7420 02 1	Lead	0.107		В		6/17/1000	3051/6020	Medium	Yes
E10	INS	ATLAS MILL	99.01210Q	2/28/1999	Seament	7439-92-1	Lead	0.107		В		6/17/1999	3031/6020	Medium	res
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7439-95-4	Magnesium	65.4		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	NS	SITE ATLAS MILL	99.01210Q	2/28/1999	Sediment	7439-96-5	Manganese	2.55				6/17/1999	3051/6020	Medium	Yes
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7439-97-6	Mercury	0.035	U			3/19/1999	7471A	Medium	Yes
LIV	110	ATLAS MILL	33.01210Q	2/20/17/7	Scament	7-137 77 0	Wicicuty	0.033				3/17/17/7	717171	Wicarani	103
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-02-0	Nickel	0.121	U			6/17/1999	3051/6020	Medium	Yes
E10	NS	ATLAS MILL SITE	99.01210Q	2/28/1999	Sediment	7440-09-7	Potassium	20.3		В		6/17/1999	3051/6020	Medium	Yes
EIU	INS	ATLAS MILL	99.01210Q	2/28/1999	seament	/440-09-/	rotassium	20.3		В		0/1//1999	3031/0020	Medium	res
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7782-49-2	Selenium	0.229	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	NS	SITE ATLAS MILL	99.01210Q	2/28/1999	Sediment	7440-22-4	Silver	0.0287	U			6/17/1999	3051/6020	Medium	Yes
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-23-5	Sodium	5.59		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL				7	~~~~~	****				w=====			
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-28-0	Thallium	0.0158	U			6/17/1999	3051/6020	Medium	Yes
E10	NS	ATLAS MILL SITE	99.01210Q	2/28/1999	Codi	7440-62-2	Vonc Ji	0.169		В		6/17/1999	3051/6020	Madi	Yes
EIU	INS	ATLAS MILL	99.01210Q	2/28/1999	Sediment	/440-02-2	Vanadium	0.109		В		0/1//1999	3031/0020	Medium	res
E10	NS	SITE	99.01210Q	2/28/1999	Sediment	7440-66-6	Zinc	0.429		В		6/17/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Constanting (mailte							
ID:	Strata (m)	Name:	NAKEL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	,	Qualifier	·s	Date Analyzed	Method	Texture:	Artifacts:
									(	2	Q				
E10	1	ATLAS MILL SITE	99.01170A	2/28/1999	Sediment	7429-90-5	Aluminum	103				6/16/1999	3051/6020	Medium	Yes
EIU	1	ATLAS MILL	99.011/0A	2/28/1999	Seament	7429-90-3	Aluminum	103				0/10/1999	3031/6020	Medium	res
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-36-0	Antimony	0.00991	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	1	SITE ATLAS MILL	99.01170A	2/28/1999	Sediment	7440-38-2	Arsenic	0.0445	U			6/15/1999	3051/6020	Medium	Yes
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-39-3	Barium	2.7		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						0,10,1777			
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-41-7	Beryllium	0.0086	U			6/16/1999	3051/6020	Medium	Yes
E10	1	ATLAS MILL SITE	99.01170A	2/28/1999	Sediment	7440-43-9	Cadmium	0.0274		В		6/15/1999	3051/6020	Medium	Yes
EIU	1	ATLAS MILL	99.011/0A	2/26/1999	Sedifficit	/440-43-9	Cadillulli	0.0274		ь		0/13/1999	3031/0020	Medium	1 65
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-70-2	Calcium	330	<u> </u>	В	<u> </u>	6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	1	SITE ATLAS MILL	99.01170A	2/28/1999	Sediment	7440-47-3	Chromium	0.151		В		6/15/1999	3051/6020	Medium	Yes
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-48-4	Cobalt	0.0365		В		6/21/1999	3051/6020	Medium	Yes
210		ATLAS MILL	33.0117011	2/20/17/7	Seament	7110 10 1	Coount	0.0300				0/21/17/7	300170020	1110010111	100
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-50-8	Copper	0.0672		В		6/15/1999	3051/6020	Medium	Yes
E10	1	ATLAS MILL SITE	99.01170A	2/28/1999	Sediment	7439-89-6	T	119				6/15/1999	3051/6020	Medium	Yes
EIU	1	ATLAS MILL	99.011/0A	2/28/1999	Seament	/439-89-0	Iron	119				0/13/1999	3031/6020	Medium	res
E10	1	SITE	99.01170A	2/28/1999	Sediment	7439-92-1	Lead	0.0869		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	1	SITE ATLAS MILL	99.01170A	2/28/1999	Sediment	7439-95-4	Magnesium	69.3		В		6/15/1999	3051/6020	Medium	Yes
E10	1	SITE	99.01170A	2/28/1999	Sediment	7439-96-5	Manganese	2.96				6/16/1999	3051/6020	Medium	Yes
210		ATLAS MILL	33.0117011	2/20/1///	Stament	7.55 50 5	- Tranganese	2.70				0,10,1,,,	3021,0020	1110010111	100
E10	1	SITE	99.01170A	2/28/1999	Sediment	7439-97-6	Mercury	0.034	U			3/17/1999	7471A	Medium	Yes
F10	1	ATLAS MILL	00.01170.4	2/20/1000	0.1	7440.02.0	NE d d	0.117	U			6/15/1000	2051/6020	M . P	X7
E10	1	SITE ATLAS MILL	99.01170A	2/28/1999	Sediment	7440-02-0	Nickel	0.117	U			6/15/1999	3051/6020	Medium	Yes
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-09-7	Potassium	28.8		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	1	SITE ATLAS MILL	99.01170A	2/28/1999	Sediment	7782-49-2	Selenium	0.222	U			6/15/1999	3051/6020	Medium	Yes
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-22-4	Silver	0.0279	U			6/15/1999	3051/6020	Medium	Yes
210		ATLAS MILL	22.0117011	2,20,1,2,2	Journalit	7110 22 1	5	0.0272	Ŭ			5,15,1777	2021,0020	1110010111	100
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-23-5	Sodium	5.13		В		6/15/1999	3051/6020	Medium	Yes
E10	1	ATLAS MILL SITE	99.01170A	2/28/1999	Codi	7440-28-0	Thelling	0.0154	U			6/15/1000	2051/6020	Madiana	V
EIU	1	ATLAS MILL	99.011/0A	2/28/1999	Sediment	/440-28-0	Thallium	0.0134	U			6/15/1999	3051/6020	Medium	Yes
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-62-2	Vanadium	0.291		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
E10	1	SITE	99.01170A	2/28/1999	Sediment	7440-66-6	Zinc	0.629		В		6/15/1999	3051/6020	Medium	Yes
MW	NS	ATLAS MILL SITE	99.01205U	2/28/1999	Sediment	7429-90-5	Aluminum	111				6/17/1999	3051/6020	Medium	Yes
212.11	110	ATLAS MILL	, ,	2,20,1,2,2	Journalit	, .2, ,0 3		***				5/1//1///	2021,0020	1110010111	100
MW	NS	SITE	99.01205U	2/28/1999	Sediment	7440-36-0	Antimony	0.0126	U			6/17/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Concentration (neglige   Project   Nate   Sample   Bate Collected   Marrix   CAS Number   Analyte   Concentration (neglige   April		I	ſ							1			1			
MW		Strata (m)				Matrix:	CAS Number	Analyte	, 0 0		_		Date Analyzed	Method	Texture:	Artifacts:
MW			ATLAS MILL								1	~				
MW	MW	NS		99 01205U	2/28/1999	Sediment	7440-38-2	Arsenic	0.0564	U			6/17/1999	3051/6020	Medium	Yes
Name				7710-200			, , , , , , , , ,						0, 2, 1, 2, 2, 2		3134 4114111	
MW	MW	NS	SITE	99.01205U	2/28/1999	Sediment	7440-39-3	Barium	2.77		В		6/17/1999	3051/6020	Medium	Yes
MW NS   SITE   99 (1) 205U   22 8/1999   Sediment   7440-43-9   Cadmium   0.011   U   (617/1999   3051/0202   Medium   Yes   MIAS MILL   NS   SITE   99 (1) 205U   22 8/1999   Sediment   7440-70-2   Calcium   419   B   617/1999   3051/0202   Medium   Yes   MIAS MILL   NS   SITE   99 (1) 205U   22 8/1999   Sediment   7440-70-2   Calcium   419   B   617/1999   3051/0202   Medium   Yes   MIAS MILL   NS   SITE   SI			ATLAS MILL													
MW	MW	NS		99.01205U	2/28/1999	Sediment	7440-41-7	Beryllium	0.0109	U			6/21/1999	3051/6020	Medium	Yes
Name		2.70				a 11	<b>-</b> 440 40 0		0.044				5/4 <b>=</b> /4000	2054/5020		**
MW NS   SITE   90   120   122   128   1999   Sediment   7440   7	MW	NS		99.01205U	2/28/1999	Sediment	7440-43-9	Cadmium	0.011	U		ļ	6/17/1999	3051/6020	Medium	Yes
ATLAS MILL   May No.   STE   9,01205U   228/1999   Sediment   7440-47-3   Chromium   0.17   B   6,21/1999   3051/6020   Medium   Yes	MW	NC		00.0120511	2/28/1000	Sadiment	7440 70 2	Calcium	410		D		6/17/1000	3051/6020	Madium	Vac
MW NS	IVI VV	INS		99.012030	2/20/1999	Sedifficit	/440-70-2	Calcium	419		ь		0/1//1999	3031/0020	Medium	1 08
ATLAS MILL   NS   SITE   99 01205U   2281999   Sediment   7440-48.4   Cobalt   0.0443   B   6/17/1999   3051/6020   Medium   Yes	MW	NS		99 01205U	2/28/1999	Sediment	7440-47-3	Chromium	0.17		В		6/21/1999	3051/6020	Medium	Yes
NE				77,101200			, , , , , , ,		4,2,				0.2			
MW NS   SITE   99.01.205   228/1999   Sediment   7440-50-8   Copper   0.125   B   6/17/1999   305/16020   Medium   Yes	MW	NS	SITE	99.01205U	2/28/1999	Sediment	7440-48-4	Cobalt	0.0443		В		6/17/1999	3051/6020	Medium	Yes
ATLAS MILL   NS SITE   STIE   PO1205U   2281999   Sediment   7439-89-6   Iron   134   6171999   30516020   Medium   Yes																
MW NS   SITE   99.01205U   228/1999   Sediment   7439-89-6   Iron   134     6/17/1999   3051/6020   Medium   Yes	MW	NS		99.01205U	2/28/1999	Sediment	7440-50-8	Copper	0.125		В		6/17/1999	3051/6020	Medium	Yes
NS   STF   99.01205U   228/1999   Sediment   7439-92-1   Lead   0.143   B   6/17/1999   3051/6020   Medium   Yes		2.70				a 11	<b>= 40</b> 0 00 c		424				5/4 <b>=</b> /4000	2054/5020		**
MW NS   SITE   99.01205U   228/1999   Sediment   7439-92-1   Lead   0.143   B   6/17/1999   3051/6020   Medium   Yes	MW	NS		99.01205U	2/28/1999	Sediment	7439-89-6	Iron	134			ļ	6/17/1999	3051/6020	Medium	Yes
MW NS   SITE   99.0120SU   228/1999   Sediment   7439-95-4   Magnesium   96.1   B   6/17/1999   3051/6020   Medium   Yes	MW	NC		00.0120511	2/28/1000	Sadiment	7/20 02 1	Land	0.142		D		6/17/1000	3051/6020	Madium	Vac
MW NS   SITE   99.01205U   2/28/1999   Sediment   7439-95-4   Magnesium   96.1   B   6/17/1999   3051/6020   Medium   Yes	IVI VV	IND		99.012030	2/20/1999	Sediment	7439-92-1	Leau	0.143		ь		0/17/1999	3031/0020	Wiedium	1 65
MW NS   SITE   99.0120SU   228/1999   Sediment   7439-96-5   Manganese   3.81     6/17/1999   3051/6020   Medium   Yes	MW	NS		99.01205U	2/28/1999	Sediment	7439-95-4	Magnesium	96.1		В		6/17/1999	3051/6020	Medium	Yes
ATLAS MILL   SITE   99.01205U   228/1999   Sediment   7439-97-6   Mercury   0.0431   U   3/19/1999   7471A   Medium   Yes																
MW NS   SITE   99.01205U   228/1999   Sediment   7430-97-6   Mercury   0.0431   U   3/19/1999   7471A   Medium   Yes	MW	NS	SITE	99.01205U	2/28/1999	Sediment	7439-96-5	Manganese	3.81				6/17/1999	3051/6020	Medium	Yes
MW NS   SITE   99.01205U   228/1999   Sediment   7440-02-0   Nickel   0.154   B   6/17/1999   3051/6020   Medium   Yes																
MW NS   SITE   99.0120SU   2/28/1999   Sediment   7440-02-0   Nickel   0.154   B   6/17/1999   3051/6020   Medium   Yes	MW	NS		99.01205U	2/28/1999	Sediment	7439-97-6	Mercury	0.0431	U			3/19/1999	7471A	Medium	Yes
MW   NS   SITE   99.01205U   2/28/1999   Sediment   7440-09-7   Potassium   37.6   B   6/17/1999   3051/6020   Medium   Yes	100	NG		00.0120511	2/20/1000	G 1:	7440.02.0	NE 1 1	0.154		ъ		6/17/1000	2051/6020	3.6 11	***
MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-09-7         Potassium         37.6         B         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7782-49-2         Selenium         0.282         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-22-4         Silver         0.0354         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-23-5         Sodium         16.5         B         6/21/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-23-5         Sodium         16.5         B         6/21/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-62-2         Vanadium         0.333         B         6/17/1999	MW	NS		99.012050	2/28/1999	Sediment	/440-02-0	Nickel	0.154		В		6/1//1999	3051/6020	Medium	Yes
MW NS   SITE   99.01205U   2/28/1999   Sediment   7782-49-2   Selenium   0.282   U   6/17/1999   3051/6020   Medium   Yes	MW	NS		99.0120511	2/28/1999	Sediment	7440-09-7	Potaccium	37.6		B		6/17/1999	3051/6020	Medium	Vec
MW         NS         SITE         99.01205U         2/28/1999         Sediment         7782-49-2         Selenium         0.282         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-22-4         Silver         0.0354         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-23-5         Sodium         16.5         B         6/21/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-28-0         Thallium         0.0195         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-62-2         Vanadium         0.333         B         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999	141 44	145		77.012030	2/20/1777	Scument	7440-07-7	1 Otassium	37.0		-		0/1//1///	3031/0020	Wicdiani	1 03
MW NS   SITE   99.01205U   2/28/1999   Sediment   7440-22-4   Silver   0.0354   U   6/17/1999   3051/6020   Medium   Yes	MW	NS		99.01205U	2/28/1999	Sediment	7782-49-2	Selenium	0.282	U			6/17/1999	3051/6020	Medium	Yes
MW   NS   SITE   99.01205U   2/28/1999   Sediment   7440-23-5   Sodium   16.5   B   6/21/1999   3051/6020   Medium   Yes																
MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-23-5         Sodium         16.5         B         6/21/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-28-0         Thallium         0.0195         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-62-2         Vanadium         0.333         B         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999         3051/6020         Medium         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         <	MW	NS		99.01205U	2/28/1999	Sediment	7440-22-4	Silver	0.0354	U			6/17/1999	3051/6020	Medium	Yes
MW         NS         ATLAS MILL SITE         99.01205U         2/28/1999         Sediment         7440-28-0         Thallium         0.0195         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-62-2         Vanadium         0.333         B         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999         3051/6020         Medium         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7429-90-5         Aluminum         138         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         305																
MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-28-0         Thallium         0.0195         U         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-62-2         Vanadium         0.333         B         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999         3051/6020         Medium         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7429-90-5         Aluminum         138         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         3051/6020	MW	NS		99.01205U	2/28/1999	Sediment	7440-23-5	Sodium	16.5		В		6/21/1999	3051/6020	Medium	Yes
MW   NS   SITE   99.01205U   2/28/1999   Sediment   7440-62-2   Vanadium   0.333   B   6/17/1999   3051/6020   Medium   Yes	MW	NC		00.012051	2/28/1000	Cadimar+	7440 29 0	Thalling	0.0105	11			6/17/1000	2051/6020	Madium	Vac
MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-62-2         Vanadium         0.333         B         6/17/1999         3051/6020         Medium         Yes           MW         NS         SITE         99.01205U         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999         3051/6020         Medium         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7429-90-5         Aluminum         138         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         3051/6020         Fine         Yes	IVI VV	IND		99.012030	2/28/1999	seament	/440-28-0	1 namum	0.0195	U	1	1	0/1//1999	3031/0020	Medium	res
MW         NS         ATLAS MILL SITE         99.01205U         2/28/1999         Sediment         7440-66-6         Zinc         0.558         B         6/17/1999         3051/6020         Medium         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7429-90-5         Aluminum         138         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         3051/6020         Fine         Yes	MW	NS		99 01205U	2/28/1999	Sediment	7440-62-2	Vanadium	0.333		В		6/17/1999	3051/6020	Medium	Yes
MW 1 SITE 99.01204T 2/28/1999 Sediment 7429-90-5 Aluminum 138 6/17/1999 3051/6020 Fine Yes  ATLAS MILL MW 1 SITE 99.01204T 2/28/1999 Sediment 7440-36-0 Antimony 0.0137 U 6/17/1999 3051/6020 Fine Yes  MW 1 SITE 99.01204T 2/28/1999 Sediment 7440-38-2 Arsenic 0.0614 U 6/17/1999 3051/6020 Fine Yes  ATLAS MILL ATLAS MILL ATLAS MILL ATLAS MILL	11111	110		>>.012000	2/20/1///	Seament	71.10 02 2	, and and	0.555				0/1//1///	3021,0020	1110414111	100
MW         1         SITE         99.01204T         2/28/1999         Sediment         7429-90-5         Aluminum         138         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         3051/6020         Fine         Yes           ATLAS MILL         ATLAS MILL         U         6/17/1999         3051/6020         Fine         Yes	MW	NS		99.01205U	2/28/1999	Sediment	7440-66-6	Zinc	0.558		В		6/17/1999	3051/6020	Medium	Yes
MW 1 SITE 99.01204T 2/28/1999 Sediment 7440-36-0 Antimony 0.0137 U 6/17/1999 3051/6020 Fine Yes  ATLAS MILL MW 1 SITE 99.01204T 2/28/1999 Sediment 7440-38-2 Arsenic 0.0614 U 6/17/1999 3051/6020 Fine Yes  ATLAS MILL ATLAS MILL			ATLAS MILL													
MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-36-0         Antimony         0.0137         U         6/17/1999         3051/6020         Fine         Yes           MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         3051/6020         Fine         Yes           ATLAS MILL         ATLAS MILL         Ves         Ves         Ves         Ves         Ves         Ves	MW	1		99.01204T	2/28/1999	Sediment	7429-90-5	Aluminum	138				6/17/1999	3051/6020	Fine	Yes
MW 1 SITE 99.01204T 2/28/1999 Sediment 7440-38-2 Arsenic 0.0614 U 6/17/1999 3051/6020 Fine Yes ATLAS MILL		_		00.04			<b></b>		0.0:							
MW         1         SITE         99.01204T         2/28/1999         Sediment         7440-38-2         Arsenic         0.0614         U         6/17/1999         3051/6020         Fine         Yes           ATLAS MILL         ATLAS MILL         Image: Control of the con	MW	1		99.01204T	2/28/1999	Sediment	7440-36-0	Antimony	0.0137	U	-	<b> </b>	6/17/1999	3051/6020	Fine	Yes
ATLAS MILL	MW	,		00 01204T	2/28/1000	Cadimart	7440 29 2	Argonia	0.0614	11			6/17/1000	2051/6020	Eino	Vac
	1V1 VV	1		77.014041	4/40/1777	Scuillelli	/++0-30-2	AISCIIC	0.0014	U	+	1	0/1//1777	2021/0020	FIRE	1 68
	MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-39-3	Barium	1.88		В		6/17/1999	3051/6020	Fine	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-41-7	Beryllium	0.0119	U			6/21/1999	3051/6020	Fine	Yes
MW	1	ATLAS MILL SITE	99.01204T	2/28/1999	Sediment	7440-43-9	Cadmium	0.012	U			6/17/1999	3051/6020	Fine	Yes
IVI VV	1	ATLAS MILL	99.012041	2/26/1999	Sedifficit	/440-43-9	Cadilliulli	0.012	U			0/1//1999	3031/0020	rine	165
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-70-2	Calcium	485		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-47-3	Chromium	0.184		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL								_					
MW	1	SITE ATLAS MILL	99.01204T	2/28/1999	Sediment	7440-48-4	Cobalt	0.0494		В		6/17/1999	3051/6020	Fine	Yes
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-50-8	Copper	0.132		В		6/17/1999	3051/6020	Fine	Yes
IVI VV	1	ATLAS MILL	99.012041	2/26/1999	Sedifficit	7440-30-8	Соррег	0.132		ь		0/17/1999	3031/0020	rine	165
MW	1	SITE	99.01204T	2/28/1999	Sediment	7439-89-6	Iron	143				6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	1	SITE	99.01204T	2/28/1999	Sediment	7439-92-1	Lead	0.158		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL	00.04.04.0			# 400 OF 4		00.4				5 /4 <b>=</b> /4 000	2054/5020		**
MW	1	SITE ATLAS MILL	99.01204T	2/28/1999	Sediment	7439-95-4	Magnesium	93.4		В		6/17/1999	3051/6020	Fine	Yes
MW	1	SITE	99.01204T	2/28/1999	Sediment	7439-96-5	Manganese	3.73				6/17/1999	3051/6020	Fine	Yes
21211	•	ATLAS MILL	)).012011	2/20/1999	Beamen	7.137 70 0	manganese	3.73				0/1//1///	3051/0020	1	100
MW	1	SITE	99.01204T	2/28/1999	Sediment	7439-97-6	Mercury	0.0469	U			3/19/1999	7471A	Fine	Yes
		ATLAS MILL													
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-02-0	Nickel	0.17		В		6/17/1999	3051/6020	Fine	Yes
MW	1	ATLAS MILL SITE	99.01204T	2/28/1999	Sediment	7440-09-7	Potassium	36.9		В		6/17/1999	3051/6020	Fine	Yes
IVI VV	1	ATLAS MILL	99.012041	2/20/1999	Sedifficit	/440-09-/	rotassiuiii	30.9		ь		0/1//1999	3031/0020	FIIIC	1 05
MW	1	SITE	99.01204T	2/28/1999	Sediment	7782-49-2	Selenium	0.307	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-22-4	Silver	0.0385	U			6/17/1999	3051/6020	Fine	Yes
2007		ATLAS MILL	00.012047	2/20/1000	0.11	7440.22.5	G 1:	10.1		ъ		6/01/1000	2051/6020	T:	37
MW	1	SITE ATLAS MILL	99.01204T	2/28/1999	Sediment	7440-23-5	Sodium	12.1		В		6/21/1999	3051/6020	Fine	Yes
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-28-0	Thallium	0.0212	U			6/17/1999	3051/6020	Fine	Yes
111,1		ATLAS MILL	>>.012011	2/20/1999	Beamen	71.10 20 0	1111111111	0.0212	Ü			0/1//1///	3051/0020	1	100
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-62-2	Vanadium	0.348		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
MW	1	SITE	99.01204T	2/28/1999	Sediment	7440-66-6	Zinc	0.655		В		6/17/1999	3051/6020	Fine	Yes
MW	5	ATLAS MILL SITE	99.01207W	2/28/1999	Sediment	7429-90-5	Aluminum	58.4				6/17/1999	3051/6020	Coarse	Yes
IVI VV	,	ATLAS MILL	99.01207W	2/26/1999	Sedifficit	7429-90-3	Aummun	36.4				0/17/1999	3031/0020	Coarse	165
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-36-0	Antimony	0.0104	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-38-2	Arsenic	0.0465	U			6/17/1999	3051/6020	Coarse	Yes
M	-	ATLAS MILL	00.0120777	2/29/1000	0.1	7440 20 2	D	5.52		B		6/17/1000	2051/6020		37
MW	5	SITE ATLAS MILL	99.01207W	2/28/1999	Sediment	7440-39-3	Barium	5.53		В	-	6/17/1999	3051/6020	Coarse	Yes
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-41-7	Beryllium	0.00898	U			6/21/1999	3051/6020	Coarse	Yes
	_	ATLAS MILL		-,,				******		1		********			
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-43-9	Cadmium	0.00909	U			6/17/1999	3051/6020	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

	1	T							1			1 1			
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		Qualifier	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL							<u> </u>		V				
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-70-2	Calcium	327		В		6/17/1999	3051/6020	Coarse	Yes
111 11		ATLAS MILL	)).01207 <b>11</b>	2/20/1999	Beament	7110 70 2	Culcium	321		В		0/1//1///	3031/0020	Course	103
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-47-3	Chromium	0.0899		В		6/21/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-48-4	Cobalt	0.0298		В		6/17/1999	3051/6020	Coarse	Yes
	_	ATLAS MILL						0.070				6/4 = /4 0 0 0	2051/5020		**
MW	5	SITE ATLAS MILL	99.01207W	2/28/1999	Sediment	7440-50-8	Copper	0.0736		В		6/17/1999	3051/6020	Coarse	Yes
MW	5	SITE	99.01207W	2/28/1999	Sediment	7439-89-6	Iron	81.3				6/17/1999	3051/6020	Coarse	Yes
191 99		ATLAS MILL	77.01207 W	2/20/17/7	Scannent	7437-87-0	Hon	01.5				0/1//1///	3031/0020	Coarse	103
MW	5	SITE	99.01207W	2/28/1999	Sediment	7439-92-1	Lead	0.0872		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7439-95-4	Magnesium	51.2		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7439-96-5	Manganese	3.22				6/17/1999	3051/6020	Coarse	Yes
MW	-	ATLAS MILL	99.01207W	2/20/1000	G . I'	7420.07.6		0.0355				2/10/1000	7471 4	G	<b>X</b> 7
MW	5	SITE ATLAS MILL	99.01207W	2/28/1999	Sediment	7439-97-6	Mercury	0.0355	U			3/19/1999	7471A	Coarse	Yes
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-02-0	Nickel	0.122	U			6/17/1999	3051/6020	Coarse	Yes
141 44		ATLAS MILL	)).01207 W	2/20/17/7	Seament	7110 02 0	TVICKET	0.122	Ü			0/1//1///	3031/0020	Course	103
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-09-7	Potassium	17.2		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7782-49-2	Selenium	0.232	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-22-4	Silver	0.0292	U			6/17/1999	3051/6020	Coarse	Yes
MW	5	ATLAS MILL SITE	99.01207W	2/28/1999	Sediment	7440-23-5	Sodium	4.83		В		6/21/1999	3051/6020	Coarse	Yes
IVI VV	3	ATLAS MILL	99.01207 W	2/20/1999	Sediment	7440-23-3	Sourum	4.03		ь		0/21/1999	3031/0020	Coarse	1 08
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-28-0	Thallium	0.016	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL	771112		~~~~~	, , , , , ,		******				0,1,1,1,1			
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-62-2	Vanadium	0.243		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	5	SITE	99.01207W	2/28/1999	Sediment	7440-66-6	Zinc	0.325		В		6/17/1999	3051/6020	Coarse	Yes
D2	NG	ATLAS MILL	00.0115011	2/20/1000	G 1:	7420 00 5		26.6		ъ.		6/1.6/1.000	2051/6020	3.6.15	***
D2	NS	SITE ATLAS MILL	99.01150W	2/28/1999	Sediment	7429-90-5	Aluminum	26.6		В		6/16/1999	3051/6020	Medium	Yes
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-36-0	Antimony	0.00993	U			6/15/1999	3051/6020	Medium	Yes
- 52	.10	ATLAS MILL	>>.0.1150 H	2,20,1777	Sommone	, 50 0	· ······iy	0.00//3				3, 15, 1777	5051,0020	caram	. 03
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-38-2	Arsenic	0.0446	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-39-3	Barium	1.75		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL	00.044.50*		a 1:	<b>-</b>		0.0004					2051/5025		
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-41-7	Beryllium	0.00861	U		-	6/16/1999	3051/6020	Medium	Yes
D2	NS	ATLAS MILL SITE	99.01150W	2/28/1999	Sediment	7440-43-9	Cadmium	0.00871	U			6/15/1999	3051/6020	Medium	Yes
102	110	ATLAS MILL	77.01130 W	4/40/1777	Scument	/440-43-9	Caumuili	0.00071	U			0/13/1777	3031/0020	Medium	1 65
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-70-2	Calcium	166		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-47-3	Chromium	0.0662		В		6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

						1									
Client Sample ID:	Strata (m)		NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		Qualifier	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL							,		V				
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-48-4	Cobalt	0.0246		В		6/15/1999	3051/6020	Medium	Yes
- 52	110	ATLAS MILL	>>.01100 H	2/20/1///	Seament	71.10 10 1	Cooun	0.0210				0/10/1999	3001,0020	1110010111	100
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-50-8	Copper	0.039		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7439-89-6	Iron	50.9				6/15/1999	3051/6020	Medium	Yes
D2	NG	ATLAS MILL	00.01150W	2/20/1000	G . I'	7420 02 1	T 1	0.027		В		6/15/1000	2051/6020	Mari	<b>3</b> 7
D2	NS	SITE ATLAS MILL	99.01150W	2/28/1999	Sediment	7439-92-1	Lead	0.037		В		6/15/1999	3051/6020	Medium	Yes
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7439-95-4	Magnesium	55		В		6/15/1999	3051/6020	Medium	Yes
	110	ATLAS MILL	>>.01120 II	2/20/1///	Seament	7.55 50 .	magnesiam					0/15/1///	3001/0020	TVICUIUIII	100
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7439-96-5	Manganese	1.96		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7439-97-6	Mercury	0.034	U			3/17/1999	7471A	Medium	Yes
D2	NG	ATLAS MILL	00.011.5011	2/20/1000	G 1:	7440.02.0	N: 1 1	0.117	**			6/15/1000	2051/6020	3.6.15	***
D2	NS	SITE ATLAS MILL	99.01150W	2/28/1999	Sediment	7440-02-0	Nickel	0.117	U			6/15/1999	3051/6020	Medium	Yes
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-09-7	Potassium	10.8		В		6/15/1999	3051/6020	Medium	Yes
DZ	110	ATLAS MILL	77.01130 W	2/20/1777	Scannent	7440-02-7	1 Otassium	10.0		В		0/13/1777	3031/0020	Wediam	1 03
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7782-49-2	Selenium	0.223	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-22-4	Silver	0.028	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D2	NS	SITE ATLAS MILL	99.01150W	2/28/1999	Sediment	7440-23-5	Sodium	3.2		В		6/15/1999	3051/6020	Medium	Yes
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-28-0	Thallium	0.0154	U			6/15/1999	3051/6020	Medium	Yes
D2	140	ATLAS MILL	77.01130 W	2/20/17/7	Scannent	7440-20-0	Thairigh	0.0154				0/13/1777	3031/0020	Wicaram	1 03
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-62-2	Vanadium	0.122		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	NS	SITE	99.01150W	2/28/1999	Sediment	7440-66-6	Zinc	0.114		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	1	SITE ATLAS MILL	99.011142W	2/28/1999	Sediment	7429-90-5	Aluminum	30.4				6/16/1999	3051/6020	Medium	Yes
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-36-0	Antimony	0.00985	U			6/15/1999	3051/6020	Medium	Yes
DZ	1	ATLAS MILL	99.011142 W	2/20/1999	Sedifficit	7440-30-0	Antimony	0.00983	- 0			0/13/1999	3031/0020	Wedium	1 65
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-38-2	Arsenic	0.0442	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-39-3	Barium	1.63	ļ	В		6/15/1999	3051/6020	Medium	Yes
D2		ATLAS MILL	00 0111 4077	2/20/1000	G 11	7440 41 5	D 11:	0.00054				6/16/1006	2051/6026	34 1	37
D2	1	SITE ATLAS MILL	99.011142W	2/28/1999	Sediment	7440-41-7	Beryllium	0.00854	U	-		6/16/1999	3051/6020	Medium	Yes
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-43-9	Cadmium	0.00864	U			6/15/1999	3051/6020	Medium	Yes
- D2		ATLAS MILL	>>.011112 W	2/20/17/7	Seamont	7110 13 7	Cuamum	0.00001				0/15/17/7	5051/0020	Modium	103
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-70-2	Calcium	168		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-47-3	Chromium	0.0638		В		6/15/1999	3051/6020	Medium	Yes
D2		ATLAS MILL	00.0111.40***	2/20/1000	G 11	7440.40.	0.1.1	0.022				6/15/1006	2051/6026	36.15	37
D2	1	SITE ATLAS MILL	99.011142W	2/28/1999	Sediment	7440-48-4	Cobalt	0.022	<del>                                     </del>	В		6/15/1999	3051/6020	Medium	Yes
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-50-8	Copper	0.0226		В		6/15/1999	3051/6020	Medium	Yes
102	1	DITL	77.011174 W	4/40/1///	Scument	/ 770-50-0	Сорры	0.0220	l	ט		0/13/17/7	3031/0020	MCurum	1 03

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
D2	1	SITE	99.011142W	2/28/1999	Sediment	7439-89-6	Iron	44.9				6/15/1999	3051/6020	Medium	Yes
D2	1	ATLAS MILL	00 01114207	2/20/1000	G . 1'	7420 02 1	T 1	0.0256		В		6/15/1000	2051/6020	Maria	37
D2	1	SITE ATLAS MILL	99.011142W	2/28/1999	Sediment	7439-92-1	Lead	0.0356		В		6/15/1999	3051/6020	Medium	Yes
D2	1	SITE	99.011142W	2/28/1999	Sediment	7439-95-4	Magnesium	58.1		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		****				0, 20, 2, 2			
D2	1	SITE	99.011142W	2/28/1999	Sediment	7439-96-5	Manganese	2.19				6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	1	SITE	99.011142W	2/28/1999	Sediment	7439-97-6	Mercury	0.0338	U			3/17/1999	7471A	Medium	Yes
D2	4	ATLAS MILL	00 01114207	2/20/1000	C . 1'	7440.02.0	NE d d	0.116	**			6/15/1000	2051/6020	M . I'	37
D2	1	SITE ATLAS MILL	99.011142W	2/28/1999	Sediment	7440-02-0	Nickel	0.116	U	-		6/15/1999	3051/6020	Medium	Yes
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-09-7	Potassium	11.8		В		6/15/1999	3051/6020	Medium	Yes
52		ATLAS MILL	)).011112TT	2/20/17/7	Seament	71.10 05 7	T Ottabbrann	11.0				0/10/1///	3051/0020	1110414111	105
D2	1	SITE	99.011142W	2/28/1999	Sediment	7782-49-2	Selenium	0.221	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-22-4	Silver	0.0277	U			6/15/1999	3051/6020	Medium	Yes
D2	1	ATLAS MILL SITE	99.011142W	2/28/1999	Sediment	7440-23-5	Sodium	6.52		В		6/15/1999	3051/6020	Medium	Yes
102	1	ATLAS MILL	99.011142W	2/20/1999	Sedifficit	7440-23-3	Souluiii	0.32		В		0/13/1999	3031/0020	Medium	1 05
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-28-0	Thallium	0.0152	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-62-2	Vanadium	0.113		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D2	1	SITE	99.011142W	2/28/1999	Sediment	7440-66-6	Zinc	0.109		В		6/15/1999	3051/6020	Medium	Yes
D2	5	ATLAS MILL SITE	99.01144Y	2/28/1999	Sediment	7429-90-5	Aluminum	27.6				6/16/1999	3051/6020	Medium	Yes
102	,	ATLAS MILL	99.011441	2/26/1999	Sedifficit	7429-90-3	Alummum	27.0				0/10/1999	3031/0020	Wiedium	165
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-36-0	Antimony	0.00995	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-38-2	Arsenic	0.0446	U			6/15/1999	3051/6020	Medium	Yes
	_	ATLAS MILL						0.504				6/4 #/4 000	2054/5020		
D2	5	SITE ATLAS MILL	99.01144Y	2/28/1999	Sediment	7440-39-3	Barium	0.691		В		6/15/1999	3051/6020	Medium	Yes
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-41-7	Beryllium	0.00862	U			6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL	>>.011111	2/20/17/7	Seamon	7110 11 7	Berymun	0.00002				0/10/1///	3001/0020	1110414111	105
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-43-9	Cadmium	0.00873	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-70-2	Calcium	173		В		6/16/1999	3051/6020	Medium	Yes
D2	5	ATLAS MILL SITE	99.01144Y	2/28/1999	Sediment	7440-47-3	Chromium	0.0577		В		6/15/1999	3051/6020	Medium	Yes
192	3	ATLAS MILL	77.U1144 I	4/40/1777	Scument	/440-47-3	Cilioinium	0.0377		Б		0/13/1999	3031/0020	Mediuiii	1 08
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-48-4	Cobalt	0.0136	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-50-8	Copper	0.0206		В		6/15/1999	3051/6020	Medium	Yes
	_	ATLAS MILL				<b></b>						6/4 # /4 0.05	2054/5025		
D2	5	SITE ATLAS MILL	99.01144Y	2/28/1999	Sediment	7439-89-6	Iron	41.4		1		6/15/1999	3051/6020	Medium	Yes
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7439-92-1	Lead	0.0257		В		6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>'s</b> Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7439-95-4	Magnesium	58.3		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7439-96-5	Manganese	2.14				6/15/1999	3051/6020	Medium	Yes
D2	-	ATLAS MILL	00 0114477	2/20/1000	G 1:	7420.07.6		0.0241	U			2/17/1000	7.471.4	3.6 11	**
D2	5	SITE ATLAS MILL	99.01144Y	2/28/1999	Sediment	7439-97-6	Mercury	0.0341	U			3/17/1999	7471A	Medium	Yes
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-02-0	Nickel	0.118	U			6/15/1999	3051/6020	Medium	Yes
DZ	,	ATLAS MILL	77.011441	2/20/1777	Scument	7440-02-0	TVICKCI	0.110	-			0/15/17/7	3031/0020	Wicdiani	103
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-09-7	Potassium	11.4		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL						·							
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7782-49-2	Selenium	0.223	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-22-4	Silver	0.028	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-23-5	Sodium	4.77		В		6/15/1999	3051/6020	Medium	Yes
D2	-	ATLAS MILL	00.0114437	2/20/1000	G . 1'	7440 20 0	TEL . 111	0.0154	U			6/15/1000	2051/6020	Marian	37
D2	5	SITE ATLAS MILL	99.01144Y	2/28/1999	Sediment	7440-28-0	Thallium	0.0154	U			6/15/1999	3051/6020	Medium	Yes
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-62-2	Vanadium	0.0838		В		6/15/1999	3051/6020	Medium	Yes
DZ	,	ATLAS MILL	77.011441	2/20/1777	Scument	7440-02-2	vanadram	0.0030		В		0/15/17/7	3031/0020	Wicdiani	103
D2	5	SITE	99.01144Y	2/28/1999	Sediment	7440-66-6	Zinc	0.109		В		6/15/1999	3051/6020	Medium	Yes
	-	ATLAS MILL					-								
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7429-90-5	Aluminum	47.8				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-36-0	Antimony	0.0104	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-38-2	Arsenic	0.0467	U			6/15/1999	3051/6020	Medium	Yes
D4	NG	ATLAS MILL SITE	00.011675	2/20/1000	G . 1'	7440 20 2	D	1.09		В		6/15/1000	2051/6020	Maria	37
D4	NS	ATLAS MILL	99.01167F	2/28/1999	Sediment	7440-39-3	Barium	1.09		В		6/15/1999	3051/6020	Medium	Yes
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-41-7	Beryllium	0.00903	U			6/16/1999	3051/6020	Medium	Yes
D-T	110	ATLAS MILL	77.0110/1	2/20/1777	Scument	/440-41-/	Berymun	0.00703	-			0/10/1///	3031/0020	Wicdiani	103
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-43-9	Cadmium	0.00914	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-70-2	Calcium	273		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-47-3	Chromium	0.0901		В		6/15/1999	3051/6020	Medium	Yes
D.4	NG	ATLAS MILL	00.011675	2/20/1000	0.1	7440 40 4	0.1.1:	0.01.42				6/15/1000	2051/6020	16. E	37
D4	NS	SITE ATLAS MILL	99.01167F	2/28/1999	Sediment	7440-48-4	Cobalt	0.0142	U	1	1	6/15/1999	3051/6020	Medium	Yes
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-50-8	Copper	0.0438		В		6/15/1999	3051/6020	Medium	Yes
1)4	11/0	ATLAS MILL	22.0110/Γ	4/40/1777	Scuillelli	/++0-30-0	Сорреі	0.0430		Б		0/13/1777	3031/0020	ivicululli	1 68
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7439-89-6	Iron	61.2				6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL		-,,-,-,-								4, -4, -2, 2	3 2 2 2 2 2 2 2		
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7439-92-1	Lead	0.0383		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7439-95-4	Magnesium	87.8		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	00.04:			#400									
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7439-96-5	Manganese	2.86		<u> </u>		6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7439-97-6	Mercury	0.0357	U			3/17/1999	7471A	Medium	Yes
D4	NS	ATLAS MILL SITE	99.01167F	2/28/1999	Sediment	7440-02-0	Nickel	0.123	U			6/15/1999	3051/6020	Medium	Yes
D4	INS	ATLAS MILL	99.0116/F	2/28/1999	Seament	/440-02-0	Nickei	0.123	U			0/13/1999	3031/6020	Medium	res
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-09-7	Potassium	18.3		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7782-49-2	Selenium	0.234	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-22-4	Silver	0.0293	U			6/15/1999	3051/6020	Medium	Yes
D4	NS	ATLAS MILL SITE	99.01167F	2/28/1999	Sediment	7440-23-5	Sodium	5.08		В		6/15/1999	3051/6020	Madiana	V
D4	INS	ATLAS MILL	99.0116/F	2/28/1999	Seament	/440-23-3	Sodium	3.08		В		0/13/1999	3031/6020	Medium	Yes
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-28-0	Thallium	0.0161	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	77,1012072			, , , , , ,		***************************************				0,10,10,1			
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-62-2	Vanadium	0.12		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	NS	SITE	99.01167F	2/28/1999	Sediment	7440-66-6	Zinc	0.174		В		6/15/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL SITE	99.01213U	2/28/1999	Sediment	7429-90-5	Aluminum	38.8				6/17/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL	99.012130	2/20/1999	Sedifficit	7429-90-3	Alummum	30.0				0/1//1999	3031/0020	Medium	1 68
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-36-0	Antimony	0.00975	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-38-2	Arsenic	0.0438	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-39-3	Barium	0.805		В		6/17/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL SITE	99.01213U	2/28/1999	Sediment	7440-41-7	Beryllium	0.00845	U			6/21/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL	99.012130	2/26/1999	Sedifficit	/440-41-/	Berymum	0.00843	U			0/21/1999	3031/0020	Wediam	105
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-43-9	Cadmium	0.00856	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-70-2	Calcium	221		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL						0.0740				6/84/4000	2054/5020		
D4	1	SITE ATLAS MILL	99.01213U	2/28/1999	Sediment	7440-47-3	Chromium	0.0743		В		6/21/1999	3051/6020	Medium	Yes
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-48-4	Cobalt	0.0209		В		6/17/1999	3051/6020	Medium	Yes
Di	•	ATLAS MILL	77.012130	2/20/1777	Beament	7110 10 1	Coourt	0.020)		В		0/1//1///	3031/0020	Wicaram	103
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-50-8	Copper	0.0495		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	1	SITE	99.01213U	2/28/1999	Sediment	7439-89-6	Iron	53.6				6/17/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL	00.0121217	2/28/1000	C - 1: ·	7420 02 1	T d	0.0461		В		6/17/1000	2051/6020	Madiana	V
D4	1	SITE ATLAS MILL	99.01213U	2/28/1999	Sediment	7439-92-1	Lead	0.0461		В		6/17/1999	3051/6020	Medium	Yes
D4	1	SITE	99.01213U	2/28/1999	Sediment	7439-95-4	Magnesium	71.9		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL								1					
D4	1	SITE	99.01213U	2/28/1999	Sediment	7439-96-5	Manganese	2.5				6/17/1999	3051/6020	Medium	Yes
_		ATLAS MILL													
D4	1	SITE	99.01213U	2/28/1999	Sediment	7439-97-6	Mercury	0.0334	U	1		3/19/1999	7471A	Medium	Yes
D4	1	ATLAS MILL SITE	99.01213U	2/28/1999	Sediment	7440-02-0	Nickel	0.115	U			6/17/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	(	Qualifier	·s	Date Analyzed	Method	Texture:	Artifacts:
									(	C	Q				
D.1		ATLAS MILL	00.0121211	2/20/1000	0.11	7440.00.7	D	14.5		ъ.		6/17/1000	2051/6020	3.6 12	***
D4	1	SITE ATLAS MILL	99.01213U	2/28/1999	Sediment	7440-09-7	Potassium	14.5		В		6/17/1999	3051/6020	Medium	Yes
D4	1	SITE	99.01213U	2/28/1999	Sediment	7782-49-2	Selenium	0.219	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-22-4	Silver	0.0275	U			6/17/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL SITE	00.0121211	2/20/1000	0.1	7440.22.5	G . 1'	2.60		В		6/21/1000	2051/6020	M . P	X7
D4	1	ATLAS MILL	99.01213U	2/28/1999	Sediment	7440-23-5	Sodium	3.68		В		6/21/1999	3051/6020	Medium	Yes
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-28-0	Thallium	0.0151	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	1	SITE	99.01213U	2/28/1999	Sediment	7440-62-2	Vanadium	0.13		В		6/17/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL SITE	99.01213U	2/28/1999	Sediment	7440-66-6	Zinc	0.188		В		6/17/1999	3051/6020	Medium	Yes
D4	1	ATLAS MILL	99.012130	2/20/1999	Sedifficit	/440-00-0	Zilic	0.100		ь		0/1//1999	3031/0020	Medium	1 68
D4	5	SITE	99.01211R	2/28/1999	Sediment	7429-90-5	Aluminum	54.2				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	5	SITE ATLAS MILL	99.01211R	2/28/1999	Sediment	7440-36-0	Antimony	0.00975	U			6/17/1999	3051/6020	Medium	Yes
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-38-2	Arsenic	0.0438	U			6/17/1999	3051/6020	Medium	Yes
21		ATLAS MILL	)).01211IC	2/20/1///	Seament	71.10 30 2	THISCHIC	0.0130				0/1//1///	3001,0020	1110010111	100
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-39-3	Barium	0.956		В		6/17/1999	3051/6020	Medium	Yes
D.1	_	ATLAS MILL	00.01211B	2/20/1000	0.11	7440 41 7	D 11.	0.00045	**			6/21/1000	2051/6020	34 1	37
D4	5	SITE ATLAS MILL	99.01211R	2/28/1999	Sediment	7440-41-7	Beryllium	0.00845	U			6/21/1999	3051/6020	Medium	Yes
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-43-9	Cadmium	0.00856	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-70-2	Calcium	225		В		6/17/1999	3051/6020	Medium	Yes
D4	5	ATLAS MILL SITE	99.01211R	2/28/1999	Sediment	7440-47-3	Chromium	0.0862		В		6/21/1999	3051/6020	Medium	Yes
D4	3	ATLAS MILL	99.01211K	2/20/1999	Sedifficit	/440-47-3	Cinomium	0.0802		ь		0/21/1999	3031/0020	Medium	1 68
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-48-4	Cobalt	0.0232		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	5	SITE ATLAS MILL	99.01211R	2/28/1999	Sediment	7440-50-8	Copper	0.0455		В		6/17/1999	3051/6020	Medium	Yes
D4	5	SITE	99.01211R	2/28/1999	Sediment	7439-89-6	Iron	59.8				6/17/1999	3051/6020	Medium	Yes
Di	3	ATLAS MILL	)).01211R	2/20/1///	Seament	7-137-07-0	non	37.0				0/1//1///	303170020	Wicarani	103
D4	5	SITE	99.01211R	2/28/1999	Sediment	7439-92-1	Lead	0.0468		В		6/17/1999	3051/6020	Medium	Yes
D4		ATLAS MILL	00.012115	2/20/1000	G . 1'	7420.05.4	M	65.7				6/21/1000	2051/6020	M . P	37
D4	5	SITE ATLAS MILL	99.01211R	2/28/1999	Sediment	7439-95-4	Magnesium	65.7		В		6/21/1999	3051/6020	Medium	Yes
D4	5	SITE	99.01211R	2/28/1999	Sediment	7439-96-5	Manganese	2.31				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	5	SITE	99.01211R	2/28/1999	Sediment	7439-97-6	Mercury	0.0334	U			3/19/1999	7471A	Medium	Yes
D4	5	ATLAS MILL SITE	99.01211R	2/28/1999	Sediment	7440-02-0	Nickel	0.115	U			6/17/1999	3051/6020	Medium	Yes
D4	3	ATLAS MILL	33.01211K	2/20/1777	scument	/440-02-0	INICKCI	0.113	U			0/1//1999	3031/0020	Medium	1 08
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-09-7	Potassium	18.7	<u> </u>	В	<u> </u>	6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL	00.04	a /a o / :				0.5:-					2051:		
D4	5	SITE	99.01211R	2/28/1999	Sediment	7782-49-2	Selenium	0.219	U	l	l	6/17/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample		Project	NAREL Sample					Concentration (mg/kg							
ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	dry)		Qualifier		Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL							,	2	Q				
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-22-4	Silver	0.0275	U			6/17/1999	3051/6020	Medium	Yes
D4	3	ATLAS MILL	99.01211K	2/20/1999	Seullient	7440-22-4	Silvei	0.0273	U			0/17/1999	3031/0020	Mediuiii	1 68
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-23-5	Sodium	5.53		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-28-0	Thallium	0.0151	U			6/17/1999	3051/6020	Medium	Yes
D4	_	ATLAS MILL SITE	00.012110	2/29/1000	C - Ji t	7440 62 2	V	0.121		В		6/17/1000	2051/6020	Madiana	V
D4	5	ATLAS MILL	99.01211R	2/28/1999	Sediment	7440-62-2	Vanadium	0.131		В		6/17/1999	3051/6020	Medium	Yes
D4	5	SITE	99.01211R	2/28/1999	Sediment	7440-66-6	Zinc	0.199		В		6/17/1999	3051/6020	Medium	Yes
	-	ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , , , , , , , , , , , , , , , , ,		*****				0,1,1,2,2			
D4	10	SITE	99.01206V	2/28/1999	Sediment	7429-90-5	Aluminum	66.1				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-36-0	Antimony	0.0109	U			6/17/1999	3051/6020	Medium	Yes
D4	10	ATLAS MILL SITE	99.01206V	2/28/1999	Sediment	7440-38-2	Arsenic	0.0489	U			6/17/1999	3051/6020	Medium	Yes
D4	10	ATLAS MILL	99.01200 V	2/26/1999	Sedifficit	7440-38-2	Aisenic	0.0409	0			0/1//1999	3031/0020	Wedium	165
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-39-3	Barium	1.7		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-41-7	Beryllium	0.00945	U			6/21/1999	3051/6020	Medium	Yes
D4	10	ATLAS MILL	00.012077	2/20/1000	C. F.	7440 42 0	C. L.:	0.00057	U			6/17/1000	2051/6020	M. P	X7
D4	10	SITE ATLAS MILL	99.01206V	2/28/1999	Sediment	7440-43-9	Cadmium	0.00957	U			6/17/1999	3051/6020	Medium	Yes
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-70-2	Calcium	299		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-47-3	Chromium	0.109		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D4	10	SITE ATLAS MILL	99.01206V	2/28/1999	Sediment	7440-48-4	Cobalt	0.0316		В		6/17/1999	3051/6020	Medium	Yes
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-50-8	Copper	0.076		В		6/17/1999	3051/6020	Medium	Yes
DŦ	10	ATLAS MILL	77.01200 V	2/26/1777	Scannent	7440-30-8	Соррег	0.070		В		0/1//1///	3031/0020	Wicarum	1 03
D4	10	SITE	99.01206V	2/28/1999	Sediment	7439-89-6	Iron	92.5				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7439-92-1	Lead	0.0941		В		6/17/1999	3051/6020	Medium	Yes
D4	10	ATLAS MILL SITE	99.01206V	2/29/1000	Sediment	7439-95-4	M	79.2		В		6/17/1999	3051/6020	Madiana	Van
D4	10	ATLAS MILL	99.01206V	2/28/1999	Sealment	/439-95-4	Magnesium	19.2		В		6/1//1999	3051/6020	Medium	Yes
D4	10	SITE	99.01206V	2/28/1999	Sediment	7439-96-5	Manganese	3.22				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL					J							* **	
D4	10	SITE	99.01206V	2/28/1999	Sediment	7439-97-6	Mercury	0.0374	U			3/19/1999	7471A	Medium	Yes
	4.0	ATLAS MILL	00.0400.07	2/20/4000		<b></b>		0.400					2071/5025		
D4	10	SITE ATLAS MILL	99.01206V	2/28/1999	Sediment	7440-02-0	Nickel	0.129	U			6/17/1999	3051/6020	Medium	Yes
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-09-7	Potassium	21.3		В		6/17/1999	3051/6020	Medium	Yes
D7	10	ATLAS MILL	77.01200 V	2/20/1///	Scannell	1440-07-1	1 Ottassiuili	21.3		ъ		0/1//1///	3031/0020	Wicdiani	103
D4	10	SITE	99.01206V	2/28/1999	Sediment	7782-49-2	Selenium	0.244	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-22-4	Silver	0.0307	U			6/17/1999	3051/6020	Medium	Yes
D4	10	ATLAS MILL	00.0120637	2/20/1000	C - 1:	7440.22.5	G-7.	10.5		P		6/21/1000	2051/6020	Madi	W.
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-23-5	Sodium	18.5		В	l	6/21/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

		1	1				Г								
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-28-0	Thallium	0.0169	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-62-2	Vanadium	0.181		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D4	10	SITE	99.01206V	2/28/1999	Sediment	7440-66-6	Zinc	0.349		В		6/17/1999	3051/6020	Medium	Yes
D4	Pool	ATLAS MILL SITE	99.01166E	2/28/1999	Sediment	7429-90-5	Aluminum	113				6/16/1999	3051/6020	Medium	Yes
D4	F 001	ATLAS MILL	99.01100E	2/20/1999	Sedifficit	7429-90-3	Alummum	113				0/10/1999	3031/0020	Medium	1 65
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-36-0	Antimony	0.0106	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-38-2	Arsenic	0.0478	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-39-3	Barium	1.94		В		6/15/1999	3051/6020	Medium	Yes
D4	D. 1	ATLAS MILL	00.011665	2/20/1000	G . 1'	7440 41 7	D II'	0.00022				6/16/1000	2051/6020	Materia	<b>W</b>
D4	Pool	SITE ATLAS MILL	99.01166E	2/28/1999	Sediment	7440-41-7	Beryllium	0.00923	U			6/16/1999	3051/6020	Medium	Yes
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-43-9	Cadmium	0.00935	U			6/15/1999	3051/6020	Medium	Yes
D1	1 001	ATLAS MILL	77.01100E	2/20/1777	Seament	7110 13 7	Cuamum	0.00755				0/15/17/7	3031/0020	Wicaram	103
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-70-2	Calcium	321		В		6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-47-3	Chromium	0.189		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-48-4	Cobalt	0.0315		В		6/15/1999	3051/6020	Medium	Yes
D4	Pool	ATLAS MILL SITE	99.01166E	2/28/1999	Sediment	7440-50-8	Copper	0.0788		В		6/15/1999	3051/6020	Medium	Yes
D4	F 001	ATLAS MILL	99.01100E	2/20/1999	Sedifficit	/440-30-8	Copper	0.0766		ь		0/13/1999	3031/0020	Medium	1 08
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7439-89-6	Iron	117				6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,			, , , , , , ,						0,10,1,1			
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7439-92-1	Lead	0.082		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7439-95-4	Magnesium	99.3		В		6/15/1999	3051/6020	Medium	Yes
D.4	D 1	ATLAS MILL	00.01166E	2/20/1000	G 1:	7420.06.5		2.67				6/1.6/1.000	2051/6020	3.6 11	37
D4	Pool	SITE ATLAS MILL	99.01166E	2/28/1999	Sediment	7439-96-5	Manganese	3.67				6/16/1999	3051/6020	Medium	Yes
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7439-97-6	Mercury	0.0365	U			3/17/1999	7471A	Medium	Yes
DŦ	1 001	ATLAS MILL	22.01100L	2/20/1777	Scannent	7437-77-0	Wicicury	0.0303				3/11/17/7	/ <del>1</del> /1/A	Wicdiani	103
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-02-0	Nickel	0.126	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-09-7	Potassium	40.3		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	00.044.65									5/4 # /4 0 0 5	2051/502		
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7782-49-2	Selenium	0.239	U			6/15/1999	3051/6020	Medium	Yes
D4	Pool	ATLAS MILL SITE	99.01166E	2/28/1999	Sediment	7440-22-4	Silver	0.03	U			6/15/1999	3051/6020	Madium	Yes
D4	F 001	ATLAS MILL	99.01100E	4/40/1777	Scument	/440-22-4	SHVEI	0.03	U			0/13/1999	3031/0020	Medium	1 08
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-23-5	Sodium	15.3		В		6/15/1999	3051/6020	Medium	Yes
	- 501	ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			20 0		-5.5				552.2	2020.0020		- 55
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-28-0	Thallium	0.0165	U	<u> </u>		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-62-2	Vanadium	0.277	<u> </u>	В		6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs 0	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									`				
D4	Pool	SITE	99.01166E	2/28/1999	Sediment	7440-66-6	Zinc	0.371		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7429-90-5	Aluminum	79.4				6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE ATLAS MILL	99.01208X	2/28/1999	Sediment	7440-36-0	Antimony	0.0112	U			6/17/1999	3051/6020	Fine	Yes
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-38-2	Arsenic	0.0503	U			6/17/1999	3051/6020	Fine	Yes
D0	140	ATLAS MILL	)).01200A	2/20/1777	Scument	7440-30-2	Arsenie	0.0303				0/1//1///	3031/0020	Time	103
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-39-3	Barium	2.25		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-41-7	Beryllium	0.00972	U			6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE ATLAS MILL	99.01208X	2/28/1999	Sediment	7440-43-9	Cadmium	0.00984	U			6/17/1999	3051/6020	Fine	Yes
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-70-2	Calcium	381		В		6/17/1999	3051/6020	Fine	Yes
D0	IND	ATLAS MILL	99.01208X	2/26/1999	Sedifficit	7440-70-2	Calcium	301		ь		0/17/1999	3031/0020	Fine	165
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-47-3	Chromium	0.134		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-48-4	Cobalt	0.0589		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL	•												
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-50-8	Copper	0.105		В		6/17/1999	3051/6020	Fine	Yes
D6	NS	ATLAS MILL SITE	99.01208X	2/28/1999	Sediment	7439-89-6	Iron	123				6/17/1999	3051/6020	Fine	Yes
D0	INO	ATLAS MILL	99.01206A	2/20/1999	Sedifficit	/439-69-0	11011	123				0/1//1999	3031/0020	rine	1 68
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7439-92-1	Lead	0.119		В		6/17/1999	3051/6020	Fine	Yes
-		ATLAS MILL												-	
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7439-95-4	Magnesium	101		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7439-96-5	Manganese	5.3				6/21/1999	3051/6020	Fine	Yes
D/	NG	ATLAS MILL	00.012003/	2/20/1000	G . 1'	7420.07.6		0.0205	U			2/10/1000	7471 4	E.	37
D6	NS	SITE ATLAS MILL	99.01208X	2/28/1999	Sediment	7439-97-6	Mercury	0.0385	U	-	-	3/19/1999	7471A	Fine	Yes
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-02-0	Nickel	0.141		В		6/17/1999	3051/6020	Fine	Yes
	110	ATLAS MILL	)).0120011	2/20/17/7	Seament	7110 02 0	TVICILOI	0.111				0/1//1///	300170020	10	105
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-09-7	Potassium	24.9		В		6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7782-49-2	Selenium	0.251	U	1		6/17/1999	3051/6020	Fine	Yes
D6	NS	ATLAS MILL SITE	99.01208X	2/28/1999	Sediment	7440-22-4	Silver	0.0316	U			6/17/1999	3051/6020	Fine	Yes
D6	INS	ATLAS MILL	99.01208A	2/28/1999	Seament	/440-22-4	Sliver	0.0316	U			6/1//1999	3031/6020	rine	res
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-23-5	Sodium	10.2		В		6/21/1999	3051/6020	Fine	Yes
		ATLAS MILL				, , , , , , ,	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~					21-21-22-2			
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-28-0	Thallium	0.0174	U			6/17/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	NS	SITE	99.01208X	2/28/1999	Sediment	7440-62-2	Vanadium	0.219		В		6/17/1999	3051/6020	Fine	Yes
D(	NC	ATLAS MILL	00.012083/	2/28/1000	C - 1: ·	7440.66.6	7:	0.456		D		6/17/1000	2051/6020	Pin n	V
D6	NS	SITE ATLAS MILL	99.01208X	2/28/1999	Sediment	7440-66-6	Zinc	0.456		В		6/17/1999	3051/6020	Fine	Yes
D6	1	SITE	99.01146A	2/28/1999	Sediment	7429-90-5	Aluminum	100				6/16/1999	3051/6020	Fine	Yes
20			77.011.071	2,20,1,,,,	Jeanneilt	, .2, ,00		100				0,10,1,,,	2021,0020		105

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

		1	1			I			1			1			
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-36-0	Antimony	0.0113	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-38-2	Arsenic	0.0505	U			6/15/1999	3051/6020	Fine	Yes
D/	1	ATLAS MILL	00.011464	2/20/1000	G . 1'	7440 20 2	p i	2.26		В		6/15/1000	2051/6020	E.	37
D6	ı	SITE ATLAS MILL	99.01146A	2/28/1999	Sediment	7440-39-3	Barium	2.36	-	В		6/15/1999	3051/6020	Fine	Yes
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-41-7	Beryllium	0.00975	U			6/16/1999	3051/6020	Fine	Yes
		ATLAS MILL	77,000			, , , , , , , , , , , , , , , , , , , ,		***************************************	_			0,10,12,7			
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-43-9	Cadmium	0.00988	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-70-2	Calcium	380		В		6/16/1999	3051/6020	Fine	Yes
D6	1	ATLAS MILL SITE	99.01146A	2/28/1999	Sediment	7440-47-3	Chromium	0.15		В		6/15/1999	3051/6020	Fine	Yes
D0	1	ATLAS MILL	99.01140A	2/20/1999	Seulillelit	/440-47-3	Cilionnum	0.13		ь		0/13/1999	3031/0020	FIIIC	1 05
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-48-4	Cobalt	0.0371		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-50-8	Copper	0.09		В		6/15/1999	3051/6020	Fine	Yes
D.		ATLAS MILL	00.044464			<b>= 40</b> 0 00 c						5 /4 # /4 O O O	2051/5020		**
D6	I	SITE ATLAS MILL	99.01146A	2/28/1999	Sediment	7439-89-6	Iron	125				6/15/1999	3051/6020	Fine	Yes
D6	1	SITE	99.01146A	2/28/1999	Sediment	7439-92-1	Lead	0.103		В		6/15/1999	3051/6020	Fine	Yes
D0	1	ATLAS MILL	)).01140A	2/20/1777	Scannent	7437-72-1	Lead	0.103		В		0/15/1777	3031/0020	1 mc	103
D6	1	SITE	99.01146A	2/28/1999	Sediment	7439-95-4	Magnesium	110		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	1	SITE	99.01146A	2/28/1999	Sediment	7439-96-5	Manganese	4.35				6/16/1999	3051/6020	Fine	Yes
D/		ATLAS MILL	00.011464	2/20/1000	C. F.	7420.07.6	3.6	0.0207				2/17/1000	7471 4	E.	<b>X</b> 7
D6	1	SITE ATLAS MILL	99.01146A	2/28/1999	Sediment	7439-97-6	Mercury	0.0386	U			3/17/1999	7471A	Fine	Yes
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-02-0	Nickel	0.133	U			6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL	77,000			, , , , , , , , , , , , ,		0.110	_			0.00.000			
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-09-7	Potassium	33.1		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	1	SITE ATLAS MILL	99.01146A	2/28/1999	Sediment	7782-49-2	Selenium	0.252	U			6/15/1999	3051/6020	Fine	Yes
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-22-4	Silver	0.0317	U			6/15/1999	3051/6020	Fine	Yes
- 50	1	ATLAS MILL	77.011 <del>4</del> 0/1	212011777	Scament	/ 770-22-4	SHVCI	0.0317	U	1		0/15/1777	3031/0020	1 1110	1 63
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-23-5	Sodium	12.8		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-28-0	Thallium	0.0174	U			6/15/1999	3051/6020	Fine	Yes
D6	1	ATLAS MILL SITE	99.01146A	2/28/1999	Cadimart	7440-62-2	Vanadium	0.246		В		6/15/1999	2051/6020	Eino	Vac
Do	1	ATLAS MILL	99.01140A	2/28/1999	Sediment	/440-02-2	vanadium	0.240		В		0/13/1999	3051/6020	Fine	Yes
D6	1	SITE	99.01146A	2/28/1999	Sediment	7440-66-6	Zinc	0.43		В		6/15/1999	3051/6020	Fine	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7429-90-5	Aluminum	95.1				6/17/1999	3051/6020	Medium	Yes
D.(	_	ATLAS MILL	00.04.04-									5 /4 <b>5</b> /4 0.05	2054/5027		
D6	5	SITE ATLAS MILL	99.01201P	2/28/1999	Sediment	7440-36-0	Antimony	0.0113	U	}		6/17/1999	3051/6020	Medium	Yes
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-38-2	Arsenic	0.0508	U			6/17/1999	3051/6020	Medium	Yes
	J	DITE	77.012011	2/20/1///	Seamont	7110 30 2	711501110	0.0500		L		0/1//1///	3031/0020	modium	103

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

		1	1									1		1	
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs O	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL								1	V				
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-39-3	Barium	1.61		В		6/17/1999	3051/6020	Medium	Yes
D0		ATLAS MILL	77.012011	2/20/1777	Scannent	7440-37-3	Darium	1.01		Б		0/1//1///	3031/0020	Wicdiani	1 03
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-41-7	Beryllium	0.00996		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , , , ,						0,20,000			
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-43-9	Cadmium	0.00993	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-70-2	Calcium	330		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-47-3	Chromium	0.21		В		6/21/1999	3051/6020	Medium	Yes
	_	ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-48-4	Cobalt	0.0414		В		6/17/1999	3051/6020	Medium	Yes
D.(	_	ATLAS MILL	00.01201B	2/20/1000	G 1:	7440.50.0		0.114		D		6/17/1000	2051/6020	3.6 11	**
D6	5	SITE ATLAS MILL	99.01201P	2/28/1999	Sediment	7440-50-8	Copper	0.114		В		6/17/1999	3051/6020	Medium	Yes
D6	5	SITE	99.01201P	2/28/1999	Sediment	7439-89-6	Iron	113				6/17/1999	3051/6020	Medium	Yes
D0	3	ATLAS MILL	99.01201F	2/26/1999	Sedifficit	/439-69-0	Hon	113				0/1//1999	3031/0020	Medium	1 08
D6	5	SITE	99.01201P	2/28/1999	Sediment	7439-92-1	Lead	0.107		В		6/17/1999	3051/6020	Medium	Yes
D0		ATLAS MILL	77.012011	2/20/1777	Scannent	7437-72-1	Lead	0.107		Б		0/1//1///	3031/0020	Wicdiani	1 03
D6	5	SITE	99.01201P	2/28/1999	Sediment	7439-95-4	Magnesium	97.7		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7439-96-5	Manganese	3.33				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7439-97-6	Mercury	0.0388	U			3/18/1999	7471A	Medium	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-02-0	Nickel	0.134	U			6/17/1999	3051/6020	Medium	Yes
	_	ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-09-7	Potassium	33.3		В		6/17/1999	3051/6020	Medium	Yes
D.C	-	ATLAS MILL	00.01201B	2/20/1000	G . I'	7702 40 2	0.1	0.254	U			6/17/1000	2051/6020	Maria	<b>W</b>
D6	5	SITE ATLAS MILL	99.01201P	2/28/1999	Sediment	7782-49-2	Selenium	0.254	U			6/17/1999	3051/6020	Medium	Yes
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-22-4	Silver	0.0319	U			6/17/1999	3051/6020	Medium	Yes
D0	<u> </u>	ATLAS MILL	99.012011	2/20/1999	Sedifficit	7440-22-4	Silvei	0.0319	U			0/1//1999	3031/0020	Wiedium	1 05
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-23-5	Sodium	57.4		В		6/21/1999	3051/6020	Medium	Yes
20		ATLAS MILL	)).012011	2/20/1///	Seament	7110 23 5	Courain	57.1				0/21/1///	300170020	1110414111	100
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-28-0	Thallium	0.0175	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL					**								
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-62-2	Vanadium	0.226		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	5	SITE	99.01201P	2/28/1999	Sediment	7440-66-6	Zinc	0.423		В		6/17/1999	3051/6020	Medium	Yes
	4-	ATLAS MILL	00.04:			#400		0.6 =				.,,			
D6	10	SITE	99.01186J	2/28/1999	Sediment	7429-90-5	Aluminum	96.7			ļ	6/17/1999	3051/6020	Medium	Yes
D.	10	ATLAS MILL	00.011067	2/28/1000	0.1	7440.26.6	<b>A</b>	0.0112				6/17/1000	2051/6020	M . I'	<b>3</b> 7
D6	10	SITE ATLAS MILL	99.01186J	2/28/1999	Sediment	7440-36-0	Antimony	0.0113	U	1	<del>                                     </del>	6/17/1999	3051/6020	Medium	Yes
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-38-2	Arsenic	0.0508	U			6/17/1999	3051/6020	Medium	Yes
100	10	ATLAS MILL	99.01100J	4/40/1777	Scument	/440-30-2	Aisenic	0.0508	U		<del>                                     </del>	0/1//1999	3031/0020	Mediuiii	1 08
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-39-3	Barium	1.5		В		6/17/1999	3051/6020	Medium	Yes
20		ATLAS MILL	JJ.011000	2,20,1777	Seamont		24114111	1.5				0,1,1,1,7,7	5051,0020	1110010111	100
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-41-7	Beryllium	0.00982	U			6/21/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-43-9	Cadmium	0.00995	U			6/17/1999	3051/6020	Medium	Yes
D.(	4.0	ATLAS MILL	00.0440.57		a 11			24.6				6/4 = /4 000	2054/5020		
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-70-2	Calcium	316		В		6/17/1999	3051/6020	Medium	Yes
D6	10	ATLAS MILL SITE	99.01186J	2/28/1999	Sediment	7440-47-3	Characteris	0.0654		В		6/21/1999	3051/6020	Medium	Yes
D6	10	ATLAS MILL	99.011803	2/28/1999	Sediment	/440-47-3	Chromium	0.0034		В		0/21/1999	3031/6020	Medium	res
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-48-4	Cobalt	0.0385		В		6/17/1999	3051/6020	Medium	Yes
В0	10	ATLAS MILL	<i>&gt;&gt;</i> .011003	2/20/17/7	Seament	7110 10 1	Coourt	0.0303		В		0/11/11/99	3031/0020	Wicaram	103
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-50-8	Copper	0.111		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	10	SITE	99.01186J	2/28/1999	Sediment	7439-89-6	Iron	112				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	10	SITE	99.01186J	2/28/1999	Sediment	7439-92-1	Lead	0.106		В		6/17/1999	3051/6020	Medium	Yes
D.(	4.0	ATLAS MILL	00.0440.57		a 11			00.0				6/4 = /4 000	2054/5020		
D6	10	SITE ATLAS MILL	99.01186J	2/28/1999	Sediment	7439-95-4	Magnesium	93.9		В		6/17/1999	3051/6020	Medium	Yes
D6	10	SITE	99.01186J	2/28/1999	Sediment	7439-96-5	Manganese	3.03				6/17/1999	3051/6020	Medium	Yes
100	10	ATLAS MILL	99.011803	2/20/1999	Sedifficit	7439-90-3	Manganese	3.03				0/1//1999	3031/0020	Medium	1 68
D6	10	SITE	99.01186J	2/28/1999	Sediment	7439-97-6	Mercury	0.0389	U			3/18/1999	7471A	Medium	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					***************************************				0,10,1,1	, , , , , , ,		
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-02-0	Nickel	0.134	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-09-7	Potassium	30		В		6/17/1999	3051/6020	Medium	Yes
D.(	4.0	ATLAS MILL	00.0440.57		a 11			0.004				6/4 = /4 000	2054/5020		
D6	10	SITE	99.01186J	2/28/1999	Sediment	7782-49-2	Selenium	0.254	U	ļ		6/17/1999	3051/6020	Medium	Yes
D6	10	ATLAS MILL SITE	99.01186J	2/28/1999	Sediment	7440-22-4	Silver	0.0319	U			6/17/1999	3051/6020	Medium	Yes
D0	10	ATLAS MILL	99.011803	2/26/1999	Sedifficit	/440-22-4	Silvei	0.0319	U			0/1//1999	3031/0020	Medium	1 68
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-23-5	Sodium	22.8		В		6/17/1999	3051/6020	Medium	Yes
	10	ATLAS MILL	>>.01100 <b>0</b>	2/20/1///	Seament	71.10 23 0	Sourani	22.0				0/1//1///	3051/0020	1110414111	100
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-28-0	Thallium	0.0175	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-62-2	Vanadium	0.239		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D6	10	SITE	99.01186J	2/28/1999	Sediment	7440-66-6	Zinc	0.453		В		6/17/1999	3051/6020	Medium	Yes
D8	NS	ATLAS MILL SITE	99.01171B	2/28/1999	Sediment	7429-90-5	Aluminum	161				6/16/1999	3051/6020	Medium	Yes
100	11/0	ATLAS MILL	77.U11/1D	4/40/1777	Scuillelli	1447-70-3	Aluminum	101				0/10/1999	3031/0020	ivicululli	1 08
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-36-0	Antimony	0.0125	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,		****		1		4, -4, -2, 2	3 2 2 2 2 2 2 2		
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-38-2	Arsenic	0.0617	<u> </u>	В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL											_		
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-39-3	Barium	2.64		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	00.044.545			<b>-</b>		0.0400				6/4.6/4.005	2054/502-		
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-41-7	Beryllium	0.0109	U	1		6/16/1999	3051/6020	Medium	Yes
D8	NS	ATLAS MILL SITE	99.01171B	2/28/1999	Sediment	7440-43-9	Cadmium	0.011	U			6/15/1999	3051/6020	Medium	Yes
100	CM	ATLAS MILL	33.011/1B	2/20/1777	Scument	/440-43-9	Caumum	0.011	U			0/13/1999	3031/0020	Mediuiii	1 08
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-70-2	Calcium	395		В		6/16/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs 0	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									Ì				
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-47-3	Chromium	0.225		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-48-4	Cobalt	0.0564		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-50-8	Copper	0.139		В		6/15/1999	3051/6020	Medium	Yes
700	2.70	ATLAS MILL	00.044.5470			# 400 00 c		450				6/4.6/4.000	2054/5020		**
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7439-89-6	Iron	178				6/16/1999	3051/6020	Medium	Yes
D8	NS	ATLAS MILL SITE	99.01171B	2/29/1000	C = 1: t	7439-92-1	T J	0.194		В		6/15/1000	3051/6020	Madian	V
Dø	INS	ATLAS MILL	99.011/1B	2/28/1999	Sediment	/439-92-1	Lead	0.194		В		6/15/1999	3031/0020	Medium	Yes
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7439-95-4	Magnesium	107		В		6/15/1999	3051/6020	Medium	Yes
Bo		ATLAS MILL	)).011/1B	2/20/17/7	Seament	7137 75 1	Magnesiani	107		В		0/15/1777	3031/0020	Wicarani	103
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7439-96-5	Manganese	4.37				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL					Ŭ								
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7439-97-6	Mercury	0.043	U			3/17/1999	7471A	Medium	Yes
		ATLAS MILL													
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-02-0	Nickel	0.171		В		6/15/1999	3051/6020	Medium	Yes
700	2.70	ATLAS MILL	00.044.5470			=		47.0		-		5/4 # /4 0 0 0	2074/5020		**
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-09-7	Potassium	45.9		В		6/15/1999	3051/6020	Medium	Yes
D8	NS	ATLAS MILL SITE	99.01171B	2/28/1999	C = 1: t	7782-49-2	C-1	0.281	U			6/15/1999	3051/6020	Medium	Van
Dø	INS	ATLAS MILL	99.011/1B	2/28/1999	Sediment	1182-49-2	Selenium	0.281	U			0/13/1999	3031/6020	Medium	Yes
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-22-4	Silver	0.0353	U			6/15/1999	3051/6020	Medium	Yes
Bo	110	ATLAS MILL	)).011/1B	2/20/17/7	Seament	7110 22 1	Sirver	0.0353	- 0			0/15/1777	3031/0020	Wicarani	103
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-23-5	Sodium	7.62		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-28-0	Thallium	0.0194	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-62-2	Vanadium	0.414		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D8	NS	SITE	99.01171B	2/28/1999	Sediment	7440-66-6	Zinc	0.819		В		6/15/1999	3051/6020	Medium	Yes
D8	1	ATLAS MILL	99.01169H	2/28/1999	C = 1: t	7429-90-5	A 1	20.1				6/16/1999	2051/6020	C	Van
D8		SITE ATLAS MILL	99.01109H	2/28/1999	Sediment	/429-90-3	Aluminum	38.1				0/10/1999	3051/6020	Coarse	Yes
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-36-0	Antimony	0.00967	IJ			6/15/1999	3051/6020	Coarse	Yes
Bo		ATLAS MILL	77.0110711	2/20/17/7	Seament	7110 30 0	rtitelinony	0.00707				0/15/17/7	3031/0020	course	103
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-38-2	Arsenic	0.0434	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-39-3	Barium	2.08		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-41-7	Beryllium	0.00838	U			6/16/1999	3051/6020	Coarse	Yes
Do.		ATLAS MILL	00.0117011	2/20/1000	0.1	7440 42 0	C. L.	0.00040				6/15/1000	2051/6020		37
D8	1	SITE ATLAS MILL	99.01169H	2/28/1999	Sediment	7440-43-9	Cadmium	0.00849	U			6/15/1999	3051/6020	Coarse	Yes
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-70-2	Calcium	182		В		6/16/1999	3051/6020	Coarse	Yes
100		ATLAS MILL	77.0110711	414011777	Scuillelli	/ 440=/0=2	Carcium	102		ь		0/10/1777	3031/0020	Coarse	1 05
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-47-3	Chromium	0.0537		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-48-4	Cobalt	0.0245		В		6/21/1999	3051/6020	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)		NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									V				
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-50-8	Copper	0.0349		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,						0,10,10,77			
D8	1	SITE	99.01169H	2/28/1999	Sediment	7439-89-6	Iron	61.9				6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7439-92-1	Lead	0.0673		В		6/15/1999	3051/6020	Coarse	Yes
D0	,	ATLAS MILL	00.0116011	2/20/1000	C . I'	7420.05.4	34	21.0		D		6/15/1000	2051/6020		37
D8	1	SITE ATLAS MILL	99.01169H	2/28/1999	Sediment	7439-95-4	Magnesium	31.8		В		6/15/1999	3051/6020	Coarse	Yes
D8	1	SITE	99.01169H	2/28/1999	Sediment	7439-96-5	Manganese	2.35				6/15/1999	3051/6020	Coarse	Yes
	•	ATLAS MILL	)).0110)11	2/20/1///	Seament	7.55 50 0	manganese	2.30				0,15,1555	300170020	Course	100
D8	1	SITE	99.01169H	2/28/1999	Sediment	7439-97-6	Mercury	0.0332	U			3/17/1999	7471A	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-02-0	Nickel	0.114	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL								_				_	
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-09-7	Potassium	11.9		В		6/15/1999	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	99.01169H	2/28/1999	Sediment	7782-49-2	Selenium	0.217	U			6/15/1999	3051/6020	Coarse	Yes
Do	1	ATLAS MILL	99.0110911	2/20/1999	Scument	1102-49-2	Selemum	0.217	U			0/13/1999	3031/0020	Coarse	1 68
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-22-4	Silver	0.0272	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-23-5	Sodium	5.45		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-28-0	Thallium	0.015	U			6/15/1999	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	99.01169H	2/28/1999	Cadimant	7440-62-2	Vanadium	0.16		В		6/15/1000	3051/6020	C	Yes
D8	1	ATLAS MILL	99.01109H	2/28/1999	Sediment	/440-62-2	vanadium	0.10		В		6/15/1999	3031/6020	Coarse	res
D8	1	SITE	99.01169H	2/28/1999	Sediment	7440-66-6	Zinc	0.202		В		6/15/1999	3051/6020	Coarse	Yes
	•	ATLAS MILL	//.0110/11	2/20/1///	Seament	71.10 00 0	20	0.202				0/15/1///	300170020	Course	100
D8	5	SITE	99.01168G	2/28/1999	Sediment	7429-90-5	Aluminum	38.2				6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-36-0	Antimony	0.00951	U			6/15/1999	3051/6020	Medium	Yes
D0		ATLAS MILL	00.011606	2/20/1000	C . I'	7440 20 2		0.0427	**			6/15/1000	2051/6020	M. P	37
D8	5	SITE ATLAS MILL	99.01168G	2/28/1999	Sediment	7440-38-2	Arsenic	0.0427	U			6/15/1999	3051/6020	Medium	Yes
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-39-3	Barium	2.46		В		6/15/1999	3051/6020	Medium	Yes
Bo		ATLAS MILL	)).01100G	2/20/1999	Beament	7110 37 3	Burrum	2.10		В		0/15/17/7	3031/0020	Wicaram	103
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-41-7	Beryllium	0.00824	U			6/16/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-43-9	Cadmium	0.00835	U			6/15/1999	3051/6020	Medium	Yes
P.0	_	ATLAS MILL	00.011606	2/20/1000	0.1	7440 70 2	0.1	104		Б.		6/16/1000	2051/6020	36.2	37
D8	5	SITE ATLAS MILL	99.01168G	2/28/1999	Sediment	7440-70-2	Calcium	194		В		6/16/1999	3051/6020	Medium	Yes
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-47-3	Chromium	0.0594		В		6/15/1999	3051/6020	Medium	Yes
100	,	ATLAS MILL	77.011000	2/20/1777	Scamicit	7440-47-3	Cinomium	0.0374				0/13/17/7	3031/0020	Wicdium	103
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-48-4	Cobalt	0.0268		В		6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL											-		
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-50-8	Copper	0.0331		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL					_								
D8	5	SITE	99.01168G	2/28/1999	Sediment	7439-89-6	Iron	72.1				6/15/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL								Ī	~				
D8	5	SITE	99.01168G	2/28/1999	Sediment	7439-92-1	Lead	0.0993		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL	)).01100G	2/20/1999	Seamon	7.55 72 1	Deut	0.0773				0/10/1999	3001/0020	1110010111	100
D8	5	SITE	99.01168G	2/28/1999	Sediment	7439-95-4	Magnesium	34.1		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	5	SITE	99.01168G	2/28/1999	Sediment	7439-96-5	Manganese	2.97				6/16/1999	3051/6020	Medium	Yes
	_	ATLAS MILL													
D8	5	SITE	99.01168G	2/28/1999	Sediment	7439-97-6	Mercury	0.0326	U			3/17/1999	7471A	Medium	Yes
De	_	ATLAS MILL	00.011696	2/29/1000	C = 1: 4	7440.02.0	Nialal	0.112	11			6/15/1000	2051/6020	Madiana	V
D8	5	SITE ATLAS MILL	99.01168G	2/28/1999	Sediment	7440-02-0	Nickel	0.112	U	1		6/15/1999	3051/6020	Medium	Yes
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-09-7	Potassium	8.5		В		6/15/1999	3051/6020	Medium	Yes
	3	ATLAS MILL	)).01100G	2/20/1777	Seament	7110 07 7	1 Ottassium	0.5				0/15/1///	3031/0020	Medium	103
D8	5	SITE	99.01168G	2/28/1999	Sediment	7782-49-2	Selenium	0.213	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-22-4	Silver	0.0268	U			6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-23-5	Sodium	5.14		В		6/15/1999	3051/6020	Medium	Yes
De	5	ATLAS MILL	00.011696	2/29/1000	C = 1: 4	7440 29 0	Thallium	0.0147	U			6/15/1000	2051/6020	Madiana	V
D8	3	SITE ATLAS MILL	99.01168G	2/28/1999	Sediment	7440-28-0	1 namum	0.0147	U			6/15/1999	3051/6020	Medium	Yes
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-62-2	Vanadium	0.155		В		6/15/1999	3051/6020	Medium	Yes
20		ATLAS MILL	)).01100G	2/20/1999	Seament	7.1.0 02 2	, and and	0.122				0/10/1///	3021,0020	1110414111	100
D8	5	SITE	99.01168G	2/28/1999	Sediment	7440-66-6	Zinc	0.225		В		6/15/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D8	10	SITE	99.01172C	2/28/1999	Sediment	7429-90-5	Aluminum	47				6/16/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-36-0	Antimony	0.00924	U			6/15/1999	3051/6020	Coarse	Yes
D8	10	ATLAS MILL SITE	00.011726	2/28/1999	C = 1: 4	7440-38-2	A	0.0415	U			6/15/1000	2051/6020	C	V
D8	10	ATLAS MILL	99.01172C	2/28/1999	Sediment	/440-38-2	Arsenic	0.0413	U			6/15/1999	3051/6020	Coarse	Yes
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-39-3	Barium	2.56		В		6/16/1999	3051/6020	Coarse	Yes
	10	ATLAS MILL	>>:011720	2/20/1999	Seament	71.10 37 3	Burum	2.50				0/10/1///	3021,0020	Course	100
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-41-7	Beryllium	0.00801	U			6/16/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-43-9	Cadmium	0.00811	U			6/15/1999	3051/6020	Coarse	Yes
D0	10	ATLAS MILL	00.01172	2/20/1000	0.1	7440 70 6	G 1 :	240				6/16/1006	2051/6026		
D8	10	SITE ATLAS MILL	99.01172C	2/28/1999	Sediment	7440-70-2	Calcium	249		В		6/16/1999	3051/6020	Coarse	Yes
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-47-3	Chromium	0.0899		В		6/15/1999	3051/6020	Coarse	Yes
100	10	ATLAS MILL	77.011/2C	2/20/1777	Scument	/++0-+/-3	Cinomiulli	0.0077		ь		0/13/1999	3031/0020	Coarse	1 65
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-48-4	Cobalt	0.0332		В		6/17/1999	3051/6020	Coarse	Yes
-		ATLAS MILL											<del>-</del>		
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-50-8	Copper	0.0349		В	<u> </u>	6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	10	SITE	99.01172C	2/28/1999	Sediment	7439-89-6	Iron	98.7				6/15/1999	3051/6020	Coarse	Yes
P.0	10	ATLAS MILL	00.011726	2/20/1000	0.1	7420.02.1	, ,	0.0767		_		6/15/1000	2051/6020		V
D8	10	SITE ATLAS MILL	99.01172C	2/28/1999	Sediment	7439-92-1	Lead	0.0767		В	<u> </u>	6/15/1999	3051/6020	Coarse	Yes
D8	10	SITE	99.01172C	2/28/1999	Sediment	7439-95-4	Magnesium	55.7		В		6/15/1999	3051/6020	Coarse	Yes
100	10	DITE	77.011/2C	4/40/1777	Somment	1737-73-4	iviagiicsiuili	JJ.1		ь	<u> </u>	0/15/1777	3031/0020	Coarse	1 03

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

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Client Sample ID:	Strata (m)		NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									Q				
D8	10	SITE	99.01172C	2/28/1999	Sediment	7439-96-5	Manganese	3.14				6/16/1999	3051/6020	Coarse	Yes
		ATLAS MILL					2								
D8	10	SITE	99.01172C	2/28/1999	Sediment	7439-97-6	Mercury	0.0317	U			3/17/1999	7471A	Coarse	Yes
		ATLAS MILL													
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-02-0	Nickel	0.109	U			6/15/1999	3051/6020	Coarse	Yes
De	10	ATLAS MILL	00.011726	2/28/1000	Cadimant	7440 00 7	Datassissas	1.4		В		6/15/1000	2051/6020	C	V
D8	10	SITE ATLAS MILL	99.01172C	2/28/1999	Sediment	7440-09-7	Potassium	14		В		6/15/1999	3051/6020	Coarse	Yes
D8	10	SITE	99.01172C	2/28/1999	Sediment	7782-49-2	Selenium	0.207	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL	,,,,,,,,,		~~~~~	,,,,,	20000000	***				0,10,10,0			
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-22-4	Silver	0.026	U			6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-23-5	Sodium	3.16		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-28-0	Thallium	0.0143	U			6/15/1999	3051/6020	Coarse	Yes
D8	10	ATLAS MILL SITE	99.01172C	2/28/1999	Sediment	7440-62-2	Vanadium	0.226		В		6/15/1999	3051/6020	Coarse	Yes
Do	10	ATLAS MILL	99.01172C	2/20/1999	Scument	7440-02-2	vanadium	0.220		ь		0/13/1999	3031/0020	Coarse	1 08
D8	10	SITE	99.01172C	2/28/1999	Sediment	7440-66-6	Zinc	0.206		В		6/15/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7429-90-5	Aluminum	51.5				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-36-0	Antimony	0.0102	U			6/17/1999	3051/6020	Medium	Yes
D10	NG	ATLAS MILL	00.012020	2/20/1000	G . I'	7440 20 2		0.0457				6/17/1000	2051/6020	M. F	<b>W</b>
D10	NS	SITE ATLAS MILL	99.01202Q	2/28/1999	Sediment	7440-38-2	Arsenic	0.0457	U			6/17/1999	3051/6020	Medium	Yes
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-39-3	Barium	1.61		В		6/17/1999	3051/6020	Medium	Yes
D10	110	ATLAS MILL	77.01202Q	2/20/17/7	Seament	7110 37 3	Burrum	1.01		В		0/1//1///	3031/0020	Wediani	103
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-41-7	Beryllium	0.00883	U			6/21/1999	3051/6020	Medium	Yes
		ATLAS MILL					-								
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-43-9	Cadmium	0.00894	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D10	NS	SITE ATLAS MILL	99.01202Q	2/28/1999	Sediment	7440-70-2	Calcium	236		В		6/17/1999	3051/6020	Medium	Yes
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-47-3	Chromium	0.0478		В		6/21/1999	3051/6020	Medium	Yes
DIU	CNI	ATLAS MILL	33.01202Q	2/20/1777	Scument	/440-47-3	Ciiroiiiium	0.0476		ь		0/21/1999	3031/0020	MEGIUIII	1 08
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-48-4	Cobalt	0.0305		В		6/17/1999	3051/6020	Medium	Yes
-		ATLAS MILL				-									* *
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-50-8	Copper	0.076		В		6/17/1999	3051/6020	Medium	Yes
_		ATLAS MILL					_					I ]			
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7439-89-6	Iron	79.2				6/17/1999	3051/6020	Medium	Yes
D10	NC	ATLAS MILL	00.012020	2/20/1000	Cadi	7420 02 1	T J	0.121		В		6/17/1000	2051/6020	Madia	V
DIO	NS	SITE ATLAS MILL	99.01202Q	2/28/1999	Sediment	7439-92-1	Lead	0.121		В		6/17/1999	3051/6020	Medium	Yes
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7439-95-4	Magnesium	41.9		В		6/17/1999	3051/6020	Medium	Yes
2.0	1.0	ATLAS MILL	22.0.2022	2,20,1222	_ cumont	7.52.25	- Juginesiani	11.5				0,1,1,1,,,,	5051,0020	1110010111	100
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7439-96-5	Manganese	2.4				6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7439-97-6	Mercury	0.0349	U			3/18/1999	7471A	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Cries Sample   Project   Natification   Project			ı	1								1		1	
Direction   Dire		Strata (m)				Matrix:	CAS Number	Analyte				Date Analyzed	Method	Texture:	Artifacts:
D10			ATLAS MILL												
Dilo	D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-02-0	Nickel	0.12	U		6/17/1999	3051/6020	Medium	Yes
Dia															
Dilo	D10	NS		99.01202Q	2/28/1999	Sediment	7440-09-7	Potassium	13.1		В	6/17/1999	3051/6020	Medium	Yes
D10	D10	NG		00.012020	2/20/1000	G . I'	7702 40 2	0.1	0.220	**		6/17/1000	2051/6020	Maria	<b>3</b> 7
Diff   NS	DIO	NS		99.01202Q	2/28/1999	Seaiment	//82-49-2	Selenium	0.228	U	-	6/1//1999	3051/6020	Medium	Yes
ATLAS MILL   DIO   NS   SITE   90,10202   228/1999   Sediment   7440-23-5   Sodium   8.57   B   6.21/1999   3051/6020   Medium   Yes	D10	NS		99 012020	2/28/1999	Sediment	7440-22-4	Silver	0.0287	U		6/17/1999	3051/6020	Medium	Yes
ATLAS MILL   Pol	2.0	110		>>:01202Q	2/20/1///	Seament	7110 22 1	Sirver	0.0207			0/1//1///	3001,0020	1110414111	100
Dilo   NS   SITE   99.01202   2281999   Sediment   7440-8-0   Thallium   0.0158   U     6.171999   3051-6020   Medium   Yes	D10	NS	SITE	99.01202Q	2/28/1999	Sediment	7440-23-5	Sodium	8.57		В	6/21/1999	3051/6020	Medium	Yes
No.															
Dilo	D10	NS		99.01202Q	2/28/1999	Sediment	7440-28-0	Thallium	0.0158	U		6/17/1999	3051/6020	Medium	Yes
Diagram   ATLAS MILL   Diagram   D	D10	NG		00.012020	2/20/1000	G 1: .	7440 62 2	** 1.	0.160		ъ.	6/17/1000	2051/6020	3.6 11	37
Diagram   Diag	D10	NS		99.01202Q	2/28/1999	Sediment	/440-62-2	Vanadium	0.169		В	6/1//1999	3051/6020	Medium	Yes
Dio   1   SITE   99.0119P   228/1999   Sediment   7429-90-5   Aluminum   45.7     6/17/1999   3051/6020   Medium   Yes	D10	NS		99.012020	2/28/1999	Sediment	7440-66-6	Zinc	0.392		В	6/17/1999	3051/6020	Medium	Ves
Diff   SITE   99.01199P   22.8/1999   Sediment   7429-90-5   Aluminum   45.7	5.0	110		>>:01202Q	2/20/1///	Seament	71.10 00 0	Zine	0.372			0/1//1///	302170020	1110414111	100
D10	D10	1		99.01199P	2/28/1999	Sediment	7429-90-5	Aluminum	45.7			6/17/1999	3051/6020	Medium	Yes
D10															
D10	D10	1		99.01199P	2/28/1999	Sediment	7440-36-0	Antimony	0.00968	U		6/17/1999	3051/6020	Medium	Yes
ATLAS MILL   SITE   99.01199P   228/1999   Sediment   7440-39-3   Barium   2.33   B   6/17/1999   3051/6020   Medium   Yes	D40			00.044000			=		0.040#			6454000	2054/5020		
D10	D10	I		99.01199P	2/28/1999	Sediment	7440-38-2	Arsenic	0.0435	U		6/17/1999	3051/6020	Medium	Yes
D10	D10	1		99 01199P	2/28/1999	Sediment	7440-39-3	Barium	2 33		B	6/17/1999	3051/6020	Medium	Vec
D10	D10			77.011771	2/20/17/7	Seament	7110 37 3	Burium	2.33			0/1//1///	303170020	Wicaram	103
D10	D10	1		99.01199P	2/28/1999	Sediment	7440-41-7	Beryllium	0.00839	U		6/21/1999	3051/6020	Medium	Yes
D10			ATLAS MILL												
D10	D10	1		99.01199P	2/28/1999	Sediment	7440-43-9	Cadmium	0.0085	U		6/17/1999	3051/6020	Medium	Yes
ATLAS MILL   SITE   99.01199P   2/28/1999   Sediment   7440-47-3   Chromium   0.0462   B   6/21/1999   3051/6020   Medium   Yes											_				
D10	D10	1		99.01199P	2/28/1999	Sediment	7440-70-2	Calcium	173		В	6/17/1999	3051/6020	Medium	Yes
D10	D10	1		00 01100P	2/28/1000	Sadiment	7440 47 3	Chromium	0.0462		D	6/21/1000	2051/6020	Madium	Vac
D10   1   SITE   99.0119P   2/28/1999   Sediment   7440-48-4   Cobalt   0.0216   B   6/17/1999   3051/6020   Medium   Yes	D10	1		99.011991	2/26/1999	Scument	7440-47-3	Cinomium	0.0402		ь	0/21/1999	3031/0020	Wiedium	165
ATLAS MILL   SITE   99.01199P   2/28/1999   Sediment   7440-50-8   Copper   0.0475   B   6/17/1999   3051/6020   Medium   Yes	D10	1		99.01199P	2/28/1999	Sediment	7440-48-4	Cobalt	0.0216		В	6/17/1999	3051/6020	Medium	Yes
D10			ATLAS MILL												
D10   1   SITE   99.01199P   2/28/1999   Sediment   7439-89-6   Iron   68     6/17/1999   3051/6020   Medium   Yes	D10	1		99.01199P	2/28/1999	Sediment	7440-50-8	Copper	0.0475		В	6/17/1999	3051/6020	Medium	Yes
D10	D40			00.044000			#400 00 c					C/4 # /4 0 0 0	2054/5020		**
D10   1   SITE   99.01199P   2/28/1999   Sediment   7439-92-1   Lead   0.114   B   6/17/1999   3051/6020   Medium   Yes	D10	1		99.01199P	2/28/1999	Sediment	7439-89-6	Iron	68			6/17/1999	3051/6020	Medium	Yes
D10	D10	1		99 01199P	2/28/1999	Sediment	7/30-02-1	Lead	0.114		B	6/17/1999	3051/6020	Medium	Vec
D10   1   SITE   99.01199P   2/28/1999   Sediment   7439-95-4   Magnesium   32.8   B   6/17/1999   3051/6020   Medium   Yes	D10	1		99.011991	2/20/1999	Sedifficit	7439-92-1	Leau	0.114		ь	0/1//1999	3031/0020	Wiedium	1 65
D10	D10	1		99.01199P	2/28/1999	Sediment	7439-95-4	Magnesium	32.8		В	6/17/1999	3051/6020	Medium	Yes
D10															
D10 1 SITE 99.01199P 2/28/1999 Sediment 7439-97-6 Mercury 0.0332 U 3/18/1999 7471A Medium Yes  D10 1 SITE 99.01199P 2/28/1999 Sediment 7440-02-0 Nickel 0.114 U 6/17/1999 3051/6020 Medium Yes  ATLAS MILL U 6/17/1999 3051/6020 Medium Yes	D10	1		99.01199P	2/28/1999	Sediment	7439-96-5	Manganese	1.78		В	6/17/1999	3051/6020	Medium	Yes
D10 1 SITE 99.01199P 2/28/1999 Sediment 7440-02-0 Nickel 0.114 U 6/17/1999 3051/6020 Medium Yes ATLAS MILL															
D10 1 SITE 99.01199P 2/28/1999 Sediment 7440-02-0 Nickel 0.114 U 6/17/1999 3051/6020 Medium Yes ATLAS MILL	D10	1		99.01199P	2/28/1999	Sediment	7439-97-6	Mercury	0.0332	Ű		3/18/1999	7471A	Medium	Yes
ATLAS MILL	D10	1		00 01100P	2/28/1000	Sadimant	7440 02 0	Nickel	0.114	11		6/17/1000	2051/6020	Madium	Vac
	D10	1		99.01199F	4/40/1777	Beuiment	/440-02-0	INICKCI	0.114	U		0/1//1777	5051/0020	Medium	1 65
D10 1 SITE 99.01199P 2/28/1999 Sediment 7440-09-7 Potassium 10.2 B 6/17/1999 3051/6020 Medium Yes	D10	1		99.01199P	2/28/1999	Sediment	7440-09-7	Potassium	10.2		В	6/17/1999	3051/6020	Medium	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

		1	1									1		1	
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	<b>s</b>	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									`				
D10	1	SITE	99.01199P	2/28/1999	Sediment	7782-49-2	Selenium	0.217	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D10	1	SITE	99.01199P	2/28/1999	Sediment	440-22-4	Silver	0.0273	U			6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL								_					
D10	1	SITE ATLAS MILL	99.01199P	2/28/1999	Sediment	7440-23-5	Sodium	12.2		В		6/21/1999	3051/6020	Medium	Yes
D10	1	SITE	99.01199P	2/28/1999	Sediment	7440-28-0	Thallium	0.015	U			6/17/1999	3051/6020	Medium	Yes
D10	1	ATLAS MILL	<i>))</i> .011//1	2/20/17/7	Scannent	7440-28-0	Thamum	0.015				0/1//1///	3031/0020	Wicdiani	103
D10	1	SITE	99.01199P	2/28/1999	Sediment	7440-62-2	Vanadium	0.191		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL													
D10	1	SITE	99.01199P	2/28/1999	Sediment	7440-66-6	Zinc	0.301		В		6/17/1999	3051/6020	Medium	Yes
		ATLAS MILL												_	
D10	5	SITE	99.01203R	2/28/1999	Sediment	7429-90-5	Aluminum	33.2				6/17/1999	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	99.01203R	2/28/1999	Sediment	7440-36-0	Antimony	0.00959	U			6/17/1999	3051/6020	Coarse	Yes
DIO		ATLAS MILL	99.01203K	2/20/1999	Scument	/440-30-0	Antimony	0.00939	- 0			0/17/1999	3031/0020	Coarse	165
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-38-2	Arsenic	0.0431	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-39-3	Barium	3.75		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-41-7	Beryllium	0.00832	U			6/21/1999	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	99.01203R	2/28/1999	Sediment	7440-43-9	Cadmium	0.00842	U			6/17/1999	3051/6020	Coarse	Yes
DIO	<u> </u>	ATLAS MILL	99.01203K	2/20/1999	Sedifficit	/440-43-9	Cadillium	0.00642	0			0/1//1999	3031/0020	Coarse	1 65
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-70-2	Calcium	198		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-47-3	Chromium	0.0448		В		6/21/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-48-4	Cobalt	0.0198		В		6/17/1999	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	99.01203R	2/28/1999	Sediment	7440-50-8	Copper	0.2		В		6/17/1999	3051/6020	Coarse	Yes
D10	3	ATLAS MILL	99.01203K	2/20/1999	Scument	/440-30-8	Соррег	0.2		ь		0/17/1999	3031/0020	Coarse	1 68
D10	5	SITE	99.01203R	2/28/1999	Sediment	7439-89-6	Iron	56.2				6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	99.01203R	2/28/1999	Sediment	7439-92-1	Lead	0.074		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL								_				_	
D10	5	SITE	99.01203R	2/28/1999	Sediment	7439-95-4	Magnesium	27.4		В		6/17/1999	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	99.01203R	2/28/1999	Sediment	7439-96-5	Manganese	1.91		В		6/17/1999	3051/6020	Coarse	Yes
D10		ATLAS MILL	77.01203K	2/20/17/7	Scannent	7437-70-3	ivianganese	1.71		ь		0/1//1///	3031/0020	Coarse	103
D10	5	SITE	99.01203R	2/28/1999	Sediment	7439-97-6	Mercury	0.0329	U			3/18/1999	7471A	Coarse	Yes
		ATLAS MILL					-								
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-02-0	Nickel	0.113	U			6/17/1999	3051/6020	Coarse	Yes
D40	_	ATLAS MILL	00.040005	<b>2</b> / <b>2</b> 0 / <b>4</b> 0 0 0		<b>-</b> 440.00.5						6/4 # /4 0 0 6	2054/5025		
D10	5	SITE ATLAS MILL	99.01203R	2/28/1999	Sediment	7440-09-7	Potassium	7.75		В		6/17/1999	3051/6020	Coarse	Yes
D10	5	SITE	99.01203R	2/28/1999	Sediment	7782-49-2	Selenium	0.215	U			6/17/1999	3051/6020	Coarse	Yes
D10	J	ATLAS MILL	77.01203K	4/40/1///	Scament	//02-47-2	Scientiali	0.213	U			0/1//1///	5051/0020	Coarse	103
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-22-4	Silver	0.027	U			6/17/1999	3051/6020	Coarse	Yes

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

	1	1	1	T			<u> </u>		1			1			
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	rs	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL								1	V				
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-23-5	Sodium	7.77		В		6/21/1999	3051/6020	Coarse	Yes
Bio		ATLAS MILL	77.01203IC	2/20/1777	Seament	7110 23 3	Sourain	7.77		В		0/21/17/7	3031/0020	Course	103
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-28-0	Thallium	0.0149	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-62-2	Vanadium	0.119		В		6/17/1999	3051/6020	Coarse	Yes
240	_	ATLAS MILL	00.042020			= 440 55 5		0.400				5/4 <b>=</b> /4000	2054/5020		**
D10	5	SITE	99.01203R	2/28/1999	Sediment	7440-66-6	Zinc	0.183		В		6/17/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL SITE	99.01200N	2/28/1999	Sediment	7429-90-5	Aluminum	34.9				6/23/1999	3051/6020	Coorne	Vac
D10	10	ATLAS MILL	99.01200IN	2/20/1999	Sedifficit	7429-90-3	Alummum	34.9				0/23/1999	3031/0020	Coarse	Yes
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-36-0	Antimony	0.00942	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL	77,000			, , , , , , , ,		******				0,2,,,2,,,			
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-38-2	Arsenic	0.0423	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-39-3	Barium	0.701		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-41-7	Beryllium	0.00816	U	ļ		6/21/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL SITE	99.01200N	2/28/1999	Sediment	7440-43-9	Cadmium	0.00827	U			6/17/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL	99.01200IN	2/20/1999	Sedifficit	/440-43-9	Cadilliulli	0.00827	U			0/1//1999	3031/0020	Coarse	1 08
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-70-2	Calcium	170		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL	77,000			, , , , , , , ,		-, ,				0,2,,,2,,,			
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-47-3	Chromium	0.0438		В		6/21/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-48-4	Cobalt	0.0207		В		6/17/1999	3051/6020	Coarse	Yes
240	4.0	ATLAS MILL			a 11			0.0700				5/4 <b>=</b> /4000	2054/5020		**
D10	10	SITE ATLAS MILL	99.01200N	2/28/1999	Sediment	7440-50-8	Copper	0.0728		В		6/17/1999	3051/6020	Coarse	Yes
D10	10	SITE	99.01200N	2/28/1999	Sediment	7439-89-6	Iron	51.8				6/17/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL	99.01200IN	2/20/1999	Sedifficit	/439-69-0	11011	31.0				0/1//1999	3031/0020	Coarse	1 08
D10	10	SITE	99.01200N	2/28/1999	Sediment	7439-92-1	Lead	0.0877		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL	77,000					***************************************				0,2,,,2,,,			
D10	10	SITE	99.01200N	2/28/1999	Sediment	7439-95-4	Magnesium	27.4		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	10	SITE	99.01200N	2/28/1999	Sediment	7439-96-5	Manganese	2.15				6/21/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL	00.0120001	2/20/1000	G . 1'	7420.07.6	3.6	0.0222				2/10/1000	7471 4	G	<b>W</b>
D10	10	SITE ATLAS MILL	99.01200N	2/28/1999	Sediment	7439-97-6	Mercury	0.0323	U			3/18/1999	7471A	Coarse	Yes
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-02-0	Nickel	0.111	U			6/17/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL	77.0120011	2,20,1777	Dominiont	7-1-10-02-0	THERE	V.111	U	1	1	0/1//1///	5051/0020	Coarse	103
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-09-7	Potassium	7.68		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	10	SITE	99.01200N	2/28/1999	Sediment	7782-49-2	Selenium	0.211	U			6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-22-4	Silver	0.0265	U			6/17/1999	3051/6020	Coarse	Yes
D10	10	ATLAS MILL	00.0120027	2/20/1000	C. F.	7440.22.5	G . 1:	6.77		D		6/17/1000	2051/6020		<b>Y</b> /
D10	10	SITE ATLAS MILL	99.01200N	2/28/1999	Sediment	7440-23-5	Sodium	6.77		В		6/17/1999	3051/6020	Coarse	Yes
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-28-0	Thallium	0.0146	U			6/17/1999	3051/6020	Coarse	Yes
D10	10	DIIL	77.01200IN	2/20/17/7	Scamicil	/ 770-20-0	1 Hainfuill	0.0170	U	<del></del>		0/1//1///	3031/0020	Coarse	1 03

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

			1				<u> </u>					1			
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifie</b> C	-s	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL									~				
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-62-2	Vanadium	0.0922		В		6/17/1999	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	10	SITE	99.01200N	2/28/1999	Sediment	7440-66-6	Zinc	0.403		В		6/17/1999	3051/6020	Coarse	Yes
M d 101 1	37.4	ATLAS MILL	DDI 1/0000014	37.4	G 1:	7420 00 5		0.102	**			6/15/1000	2051/6020	37.4	3.7
Method Blank	NA	SITE ATLAS MILL	RBLK9900014	NA	Sediment	7429-90-5	Aluminum	0.192	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-36-0	Antimony	0.00729	U			6/15/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-38-2	Arsenic	0.0327	U			6/15/1999	3051/6020	NA	None
	37.1	ATLAS MILL	BB1 110000011									6/4 # /4 0 0 0	2051/5020	37.	
Method Blank	NA	SITE ATLAS MILL	RBLK9900014	NA	Sediment	7440-39-3	Barium	0.00908	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-41-7	Beryllium	0.00632	U			6/16/1999	3051/6020	NA	None
Wichiod Blank	11/1	ATLAS MILL	KBER//00014	1121	Scament	7110 11 7	Berymuni	0.00032				0/10/1///	3031/0020	1421	TYONE
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-43-9	Cadmium	0.0064	U			6/15/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-70-2	Calcium	0.6	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900014	NA	Sediment	7440-47-3	Chromium	0.00946	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL	KBLK9900014	INA	Scument	/440-47-3	Cilionitum	0.00940	U			0/13/1999	3031/0020	INA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-48-4	Cobalt	0.018		В		6/15/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-50-8	Copper	0.0108	U			6/15/1999	3051/6020	NA	None
	37.1	ATLAS MILL	BB1 110000011			<b>= 40</b> 0 00 c		0.400				6/4 # /4 0 0 0	2051/5020	37.	
Method Blank	NA	SITE ATLAS MILL	RBLK9900014	NA	Sediment	7439-89-6	Iron	0.422	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7439-92-1	Lead	0.00743	U			6/15/1999	3051/6020	NA	None
Wichiod Blank	1421	ATLAS MILL	KBER 900014	1121	Seament	7137 72 1	Lead	0.00713				0/15/17/7	3031/0020	1421	TYONG
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7439-95-4	Magnesium	0.387	U			6/15/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7439-96-5	Manganese	0.0225	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900014	NA	Sediment	7439-97-6	Mercury	0.025	U			3/17/1999	7471A	NA	None
Wiethou Blank	INA	ATLAS MILL	KBLK9900014	IVA	Sedifficit	7439-97-0	Wiercury	0.023	- 0			3/17/1999	/4/1A	INA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-02-0	Nickel	0.0862	U			6/15/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-09-7	Potassium	0.588	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK9900014	NA	Sediment	7782-49-2	Selenium	0.163	U			6/16/1999	3051/6020	NA	None
Method Blank	NA	ATLAS MILL	KBLK9900014	NA	Seament	1182-49-2	Selenium	0.103	U			0/10/1999	3031/6020	INA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-22-4	Silver	0.0205	U			6/15/1999	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-23-5	Sodium	0.541	U			6/15/1999	3051/6020	NA	None
16 1 170 1	37.	ATLAS MILL	DDI WOOGOO	37.	G 11	7440.20.0	mi	0.0112				6/15/4000	2051/0050	37.	3.7
Method Blank	NA	SITE ATLAS MILL	RBLK9900014	NA	Sediment	7440-28-0	Thallium	0.0113	U			6/15/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-62-2	Vanadium	0.0113	U			6/15/1999	3051/6020	NA	None
caroa Diank	. 111	ATLAS MILL	1.0.0.0014	1.21	Southern	, 02 2	, andurum	0.0113				5, 15, 1777	5051,0020	1	1.0110
Method Blank	NA	SITE	RBLK9900014	NA	Sediment	7440-66-6	Zinc	0.0287	U			6/15/1999	3051/6020	NA	None

**Appendix 11.** Total metals in soil and sediment from field, February 1999.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)		<b>Qualifier</b> C	s Q	Date Analyzed	Method	Texture:	Artifacts:
		ATLAS MILL													
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7429-90-5	Aluminum	0.192	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-36-0	Antimony	0.00729	U			6/17/1999	3051/6020	NA	None
M 4 101 1	3.7.4	ATLAS MILL	DDI 1/0000015	27.4	G 11	7440.20.2		0.0227	**			6/17/1000	2051/6020	27.4	N.
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-38-2	Arsenic	0.0327	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-39-3	Barium	0.00908	U			6/17/1999	3051/6020	NA	None
M d IDI I	3.7.4	ATLAS MILL	DDI 1/0000015	27.4	G 11	7440 41 7	D 11:	0.00622	**			6/17/1000	2051/6020	27.4	N.
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-41-7	Beryllium	0.00632	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-43-9	Cadmium	0.0064	U			6/17/1999	3051/6020	NA	None
M 4 101 1	3.7.4	ATLAS MILL	DDI 1/0000015	27.4	G 11	7440 70 2	0.1.	0.6	**			6/17/1000	2051/6020	27.4	N.
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-70-2	Calcium	0.6	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-47-3	Chromium	0.00946	U			6/21/1999	3051/6020	NA	None
	37.1	ATLAS MILL	DD1 11000004 5	27.1								5 M = M 000	2054/5020	27.1	27
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-48-4	Cobalt	0.00995	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-50-8	Copper	0.0143		В		6/17/1999	3051/6020	NA	None
Made I Divis	NI A	ATLAS MILL	DDI 1/0000015	NI A	C. F.	7420.00.6	T	0.422				6/17/1000	2051/6020	NIA	NI
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7439-89-6	Iron	0.422	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7439-92-1	Lead	0.00743	U			6/21/1999	3051/6020	NA	None
Made I Divis	NI A	ATLAS MILL	DDI 1/0000015	NI A	C. F.	7420.05.4	M	0.207				6/17/1000	2051/6020	NIA	NI
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7439-95-4	Magnesium	0.387	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7439-96-5	Manganese	0.0225	U			6/17/1999	3051/6020	NA	None
M 4 101 1	374	ATLAS MILL	DDI 1/0000015	27.4	G 11	7420.07.6	.,	0.025	**			2/10/1000	24214	27.4	N.
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7439-97-6	Mercury	0.025	U			3/18/1999	7471A	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-02-0	Nickel	0.0862	U			6/17/1999	3051/6020	NA	None
M.d. IDI I	374	ATLAS MILL	DDI 1/0000015	27.4	G 11	7440.00.7	D : :	0.500	**			6/17/1000	2051/6020	27.4	N
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-09-7	Potassium	0.588	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7782-49-2	Selenium	0.163	U			6/23/1999	3051/6020	NA	None
M 4 101 1	374	ATLAS MILL	DDI 1/0000015	27.4	G 11	7440.22.4	0.1	0.0205	**			6/17/1000	2051/6020	27.4	N.
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-22-4	Silver	0.0205	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-23-5	Sodium	0.541	U			6/21/1999	3051/6020	NA	None
	37.1	ATLAS MILL	DD1 110000	27.1	a 1:			0.0442				5 /4 <b>=</b> /4 0.05	2054/5025	27.1	
Method Blank	NA	SITE ATLAS MILL	RBLK9900015	NA	Sediment	7440-28-0	Thallium	0.0113	U			6/17/1999	3051/6020	NA	None
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-62-2	Vanadium	0.0113	U			6/17/1999	3051/6020	NA	None
	3	ATLAS MILL	DDI WG	27.	a 1:	#440	σ.	0.0				c/00 ***		27.	
Method Blank	NA	SITE	RBLK9900015	NA	Sediment	7440-66-6	Zinc	0.0287	U			6/23/1999	3051/6020	NA	None

Appendix 12. Gross alpha and beta radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance																	
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QC	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
CHW	SOIL SOIL	SOIL	99.01232X 99.01232X	2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386468Z 00386468Z	1	ALPBET ALPBET	0.0982	g dry wt.	0.8116	0	Alpha	3.7	2.4	6.179 3.714	pci/g dry wt.	3/24/1999 3/24/1999
UX	SOIL	SOIL	99.01232X 99.01080Z	2/25/1999 12:33	2/25/1999 11:53	00386468Z 00386273P	+ +	ALPBET	0.0982	g dry wt. g dry wt.	0.8116	0	Beta Alpha	18.3	7.5	6.752	pci/g dry wt. pci/g dry wt.	3/24/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386273P		ALPBET	0.1	g dry wt.	0.8011	0	Beta	15.7	3.5	4.174	pci/g dry wt.	3/24/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386656B	DUP	ALPBET	0.0951	g dry wt.	0.8011	0	Alpha	29	10	7.249	pci/g dry wt.	3/24/1999
UX U4	SOIL SOIL	SOIL	99.01080Z 99.01081A	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386656B 00386275R	DUP	ALPBET ALPBET	0.0951	g dry wt. g dry wt.	0.8011	0	Beta Alpha	14.5 47	3.7 12	4.719 7.441	pci/g dry wt. pci/g dry wt.	3/24/1999 3/24/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386275R	1 1	ALPBET	0.0979	g dry wt.	0.6756	0	Beta	36	4.8	4.641	pci/g dry wt.	3/24/1999
E4	SOIL	SOIL	99.01088H	2/25/1999 12:33	2/25/1999 12:33	00386289Y		ALPBET	0.1001	g dry wt.	0.8272	0	Alpha	2.7	4.2	7.25	pci/g dry wt.	3/24/1999
E4 E10	SOIL SOIL	SOIL SOIL	99.01088H 99.01089J	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386289Y 00386291R	_	ALPBET ALPBET	0.1001	g dry wt. g dry wt.	0.8272 0.8103	0	Beta Alpha	16.1 9.2	3.4 7.1	3.685 10.17	pci/g dry wt.	3/24/1999 3/24/1999
E10	SOIL	SOIL	99.01089J	2/25/1999 12:33	2/25/1999 12:33	00386291R 00386291R	+	ALPBET	0.1	g dry wt.	0.8103	0	Beta	18.4	3.7	4.065	pci/g dry wt. pci/g dry wt.	3/24/1999
MW	SOIL	SOIL	99.01082B	2/25/1999 12:33	2/25/1999 12:33	00386277U		ALPBET	0.0999	g dry wt.	0.629	0	Alpha	45	11	6.645	pci/g dry wt.	3/24/1999
MW	SOIL	SOIL	99.01082B	2/25/1999 12:33	2/25/1999 12:33	00386277U		ALPBET	0.0999	g dry wt.	0.629	0	Beta	41.2	4.9	4.259	pci/g dry wt.	3/24/1999
D2 D2	SOIL SOIL	SOIL	99.01083C 99.01083C	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386279W 00386279W	+	ALPBET ALPBET	0.0997 0.0997	g dry wt. g dry wt.	0.7909	0	Alpha Beta	19.8 22.1	7.8	6.522 3.927	pci/g dry wt. pci/g dry wt.	3/24/1999 3/24/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386281P	1 1	ALPBET	0.0997	g dry wt.	0.7918	0	Alpha	26.8	9.1	6.642	pci/g dry wt.	3/24/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386281P		ALPBET	0.0997	g dry wt.	0.7918	0	Beta	21	3.8	4.117	pci/g dry wt.	3/24/1999
D6 D6	SOIL SOIL	SOIL SOIL	99.01085E 99.01085E	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386283R 00386283R	_	ALPBET ALPBET	0.1	g dry wt.	0.8207	0	Alpha	12.2	6.1 3.6	5.481	pci/g dry wt.	3/24/1999 3/24/1999
D8	SOIL	SOIL	99.01085E 99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386283K 00386285U	+ +	ALPBET	0.1003	g dry wt. g dry wt.	0.8207	0	Beta Alpha	18.9	7.4	3.838 4.724	pci/g dry wt. pci/g dry wt.	3/24/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386285U		ALPBET	0.1003	g dry wt.	0.7932	0	Beta	20.4	3.6	3.771	pci/g dry wt.	3/24/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386287W		ALPBET	0.1	g dry wt.	0.8066	0	Alpha	10.5	6.2	6.728	pci/g dry wt.	3/24/1999
D10 CHW	SOIL MIDCHANNEL	SOIL SEDIMENT	99.01087G 99.01231W	2/25/1999 12:33 2/28/1999 11:53	2/25/1999 12:33 2/28/1999 11:53	00386287W 00386466X	+	ALPBET ALPBET	0.1	g dry wt. g dry wt.	0.8066	0	Beta Alpha	16.3 37	3.5 11	4.001 6.639	pci/g dry wt. pci/g dry wt.	3/24/1999 4/2/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386466X	+ +	ALPBET	0.1008	g dry wt.	0.3485	0	Beta	31.4	4.4	4.18	pci/g dry wt.	4/2/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386353N		ALPBET	0.0998	g dry wt.	0.1035	0	Alpha	16.8	7.5	6.406	pci/g dry wt.	4/13/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386353N		ALPBET	0.0998	g dry wt.	0.1035	0	Beta	27.5	4.2	4.145	pci/g dry wt.	4/13/1999
UX UX	1	SEDIMENT SEDIMENT	99.01184G 99.01184G	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386401D 00386401D	+	ALPBET ALPBET	0.0999	g dry wt. g dry wt.	0.05141	0	Alpha Beta	21.7	8.3 3.9	5.159 4.275	pci/g dry wt. pci/g dry wt.	4/13/1999 4/13/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386367V	1 1	ALPBET	0.1002	g dry wt.	0.0437	0	Alpha	38	11	8.872	pci/g dry wt.	4/13/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386367V		ALPBET	0.1002	g dry wt.	0.0437	0	Beta	30	4.4	4.398	pci/g dry wt.	4/13/1999
UX	10 10	SEDIMENT SEDIMENT	99.01178J 99.01178J	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386389B 00386389B	_	ALPBET ALPBET	0.0999	g dry wt.	0.1044	0	Alpha	17.3 20.4	7.1	5.097 3.857	pci/g dry wt.	4/13/1999 4/13/1999
UA U4	NS NS	SEDIMENT	99.01178J 99.01234Z	2/28/1999 11:00	2/28/1999 11:00	00386389B 00386472V	+ - 1	ALPBET	0.1006	g dry wt. g dry wt.	0.1044	0	Beta Alpha	33.5	9.9	6.09	pci/g dry wt. pci/g dry wt.	4/2/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386472V	1 1	ALPBET	0.1006	g dry wt.	0.5527	0	Beta	30.6	4.3	4.254	pci/g dry wt.	4/2/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386470T		ALPBET	0.1003	g dry wt.	0.5854	0	Alpha	26.9	9.2	5.271	pci/g dry wt.	4/2/1999
U4 U4	5	SEDIMENT SEDIMENT	99.01233Y 99.01240X	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386470T 00386484Z	+	ALPBET ALPBET	0.1003 0.1002	g dry wt. g dry wt.	0.5854	0	Beta Alpha	32.6 14.9	4.5 6.9	4.27 5.272	pci/g dry wt. pci/g dry wt.	4/2/1999 4/2/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386484Z	+ +	ALPBET	0.1002	g dry wt.	0.6655	0	Beta	21.3	3.8	4.11	pci/g dry wt.	4/2/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386486B		ALPBET	0.1002	g dry wt.	0.7669	0	Alpha	12.4	6.3	6.095	pci/g dry wt.	4/2/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386486B		ALPBET	0.1002	g dry wt.	0.7669	0	Beta	14.5	3.3	3.984	pci/g dry wt.	4/2/1999
E4 E4	NS NS	SEDIMENT SEDIMENT	99.01237C 99.01237C	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386478B 00386478B	+	ALPBET ALPBET	0.1003 0.1003	g dry wt. g dry wt.	0.8045 0.8045	0	Alpha Beta	9.5 12.5	5.7 3.1	6.343 3.75	pci/g dry wt. pci/g dry wt.	4/2/1999 4/2/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386482X	1 1	ALPBET	0.1002	g dry wt.	0.6915	0	Alpha	9	5.8	6.647	pci/g dry wt.	4/2/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386482X		ALPBET	0.1002	g dry wt.	0.6915	0	Beta	20.5	3.7	3.814	pci/g dry wt.	4/2/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386490X	+	ALPBET	0.1002	g dry wt.	0.6076	0	Alpha	16.6	8.7	10.71	pci/g dry wt.	4/2/1999
E4 E4	5	SEDIMENT SEDIMENT	99.01243A 99.01238D	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386490X 00386480V	+ +	ALPBET	0.1002	g dry wt. g dry wt.	0.6076	0	Beta Alpha	25.9 18.9	4.1 7.5	4.237 5.749	pci/g dry wt. pci/g dry wt.	4/2/1999 4/2/1999
E4	10	SEDIMENT	99.01238D 99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386480V		ALPBET	0.0979	g dry wt.	0.6363	0	Beta	20.2	3.7	3.918	pci/g dry wt.	4/2/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386351L		ALPBET	0.1	g dry wt.	0.7434	0	Alpha	12.5	6.1	5.096	pci/g dry wt.	4/13/1999
E10 E10	NS 1	SEDIMENT SEDIMENT	99.01153Z 99.01157D	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386351L 00386359V	+	ALPBET ALPBET	0.1	g dry wt.	0.7434	0	Beta Alpha	20.4 7.9	3.6	3.783 5.329	pci/g dry wt.	4/13/1999 4/13/1999
E10 E10	<u>1</u> J	SEDIMENT	99.01157D 99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386359V 00386359V	1	ALPBET	0.0999	g dry wt. g dry wt.	0.7032	0	Alpha Beta	19	3.5	3.724	pci/g dry wt. pci/g dry wt.	4/13/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386403F		ALPBET	0.1002	g dry wt.	0.5377	0	Alpha	21.9	8.1	6.095	pci/g dry wt.	4/2/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386403F		ALPBET	0.1002	g dry wt.	0.5377	0	Beta	24.2	4	4.115	pci/g dry wt.	4/2/1999
MW MW	1	SEDIMENT SEDIMENT	99.01188L 99.01188L	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386407K 00386407K	1	ALPBET ALPBET	0.0999	g dry wt. g dry wt.	0.3916	0	Alpha Beta	16.4 27.1	7.6 4.2	6.923 4.303	pci/g dry wt.	4/2/1999 4/2/1999
MW	5	SEDIMENT	99.01188L 99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386407K 00386399D		ALPBET	0.0999	g dry wt.	0.3439	0	Alpha	18.3	7.8	6.26	pci/g dry wt. pci/g dry wt.	4/2/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386399D		ALPBET	0.1	g dry wt.	0.3439	0	Beta	20.7	3.8	4.05	pci/g dry wt.	4/13/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386488D		ALPBET	0.1001	g dry wt.	0.7357	0	Alpha	16.4	7.6	6.921	pci/g dry wt.	4/2/1999
D2 D2	NS 1	SEDIMENT SEDIMENT	99.01242Z 99.01235A	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386488D 00386474X	1	ALPBET ALPBET	0.1001	g dry wt.	0.7357	0	Beta Alpha	23.7	6.3	4.296	pci/g dry wt.	4/2/1999 4/2/1999
D2 D2	1	SEDIMENT	99.01235A 99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386474X 00386474X	1-1	ALPBET	0.0947	g dry wt. g dry wt.	0.7447	0	Alpha Beta	18.9	3.9	4.431	pci/g dry wt. pci/g dry wt.	4/2/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386492Z		ALPBET	0.0998	g dry wt.	0.7631	0	Alpha	8.8	5.5	6.349	pci/g dry wt.	4/2/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386492Z		ALPBET	0.0998	g dry wt.	0.7631	0	Beta	15.6	3.3	3.758	pci/g dry wt.	4/2/1999
D4 D4	POOL POOL	SEDIMENT SEDIMENT	99.01216X 99.01216X	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00386436Q 00386436O	+	ALPBET	0.081	g dry wt. g dry wt.	0.6491	0	Alpha Beta	15.8 21.5	8.8 4.4	11.13 5.1	pci/g dry wt. pci/g dry wt.	4/2/1999 4/2/1999
D4	FOOL	SEDIMENT	99.01210A	2/20/1999 11:48	2/26/1799 11:48	00360430Q	1	ALPBEI	0.081	g ury wt.	0.0491	U	Deta	21.3	4.4	3.1	pci/g dry wt.	4/2/1999

Appendix 12. Gross alpha and beta radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance																	
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Drv/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386369X	QC	ALPBET	0.1003	g dry wt.	0.6614	0	Alpha	11.7	5.9	5.372	pci/g dry wt.	4/13/1999
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386369X	1 1	ALPBET	0.1003	g dry wt.	0.6614	0	Beta	20	3.6	3.726	pci/g dry wt.	4/13/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386361N		ALPBET	0.1003	g dry wt.	0.6632	0	Alpha	41	4.3	6.257	pci/g dry wt.	4/13/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386361N		ALPBET	0.1003	g dry wt.	0.6632	0	Beta	19	3.6	3.842	pci/g dry wt.	4/13/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386365T		ALPBET	0.0997	g dry wt.	0.7372	0	Alpha	9.1	5.3	5.099	pci/g dry wt.	4/13/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386365T		ALPBET	0.0997	g dry wt.	0.7372	0	Beta	17.5	3.4	3.742	pci/g dry wt.	4/13/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386658D	DUP	ALPBET	0.1003	g dry wt.	0.7372	0	Alpha	16.8	7.5	6.4	pci/g dry wt.	4/13/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386658D	DUP	ALPBET	0.1003	g dry wt.	0.7372	0	Beta	16.2	3.5	4.127	pci/g dry wt.	4/13/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386363Q		ALPBET	0.0998	g dry wt.	0.7095	0	Alpha	14.2	6.8	5.16	pci/g dry wt.	4/13/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386363Q		ALPBET	0.0998	g dry wt.	0.7095	0	Beta	17.3	3.6	4.177	pci/g dry wt.	4/13/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00386355Q		ALPBET	0.094	g dry wt.	0.5185	0	Alpha	28	10	8.975	pci/g dry wt.	4/13/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00386355Q		ALPBET	0.094	g dry wt.	0.5185	0	Beta	28.5	4.4	4.513	pci/g dry wt.	4/13/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00386373T		ALPBET	0.1004	g dry wt.	0.5494	0	Alpha	23.4	8.7	6.256	pci/g dry wt.	4/13/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00386373T		ALPBET	0.1004	g dry wt.	0.5494	0	Beta	28.8	4.2	4.106	pci/g dry wt.	4/13/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00386476Z		ALPBET	0.0998	g dry wt.	0.531	0	Alpha	26	10	10.72	pci/g dry wt.	4/2/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00386476Z		ALPBET	0.0998	g dry wt.	0.531	0	Beta	27.2	4.3	4.376	pci/g dry wt.	4/2/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386464V		ALPBET	0.1005	g dry wt.	0.6295	0	Alpha	29.9	9.2	6.341	pci/g dry wt.	4/2/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386464V		ALPBET	0.1005	g dry wt.	0.6295	0	Beta	26.9	4.1	4.009	pci/g dry wt.	4/2/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386660X	DUP	ALPBET	0.1	g dry wt.	0.6295	0	Alpha	20.2	7.7	5.727	pci/g dry wt.	4/2/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386660X	DUP	ALPBET	0.1	g dry wt.	0.6295	0	Beta	27.8	4.1	3.864	pci/g dry wt.	4/2/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00386397B		ALPBET	0.1007	g dry wt.	0.6641	0	Alpha	13.8	6.4	5.322	pci/g dry wt.	4/13/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00386397B		ALPBET	0.1007	g dry wt.	0.6641	0	Beta	23.2	3.8	3.782	pci/g dry wt.	4/13/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00386371Q		ALPBET	0.1003	g dry wt.	0.6285	0	Alpha	19.1	7.4	5.325	pci/g dry wt.	4/13/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00386371Q		ALPBET	0.1003	g dry wt.	0.6285	0	Beta	21.7	3.7	3.868	pci/g dry wt.	4/13/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386357T		ALPBET	0.1003	g dry wt.	0.7859	0	Alpha	9.1	5.3	5.372	pci/g dry wt.	4/13/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386357T		ALPBET	0.1003	g dry wt.	0.7859	0	Beta	21	3.6	3.69	pci/g dry wt.	4/13/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386395Z		ALPBET	0.0995	g dry wt.	0.7361	0	Alpha	12.4	6.1	5.379	pci/g dry wt.	4/13/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386395Z		ALPBET	0.0995	g dry wt.	0.7361	0	Beta	17.9	3.5	3.762	pci/g dry wt.	4/13/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386391V		ALPBET	0.1004	g dry wt.	0.7526	0	Alpha	13.1	6.7	6.399	pci/g dry wt.	4/13/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386391V		ALPBET	0.1004	g dry wt.	0.7526	0	Beta	22.1	3.9	4.073	pci/g dry wt.	4/13/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00386387Z		ALPBET	0.1003	g dry wt.	0.7234	0	Alpha	7.4	5	5.155	pci/g dry wt.	4/13/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00386387Z		ALPBET	0.1003	g dry wt.	0.7234	0	Beta	15.7	3.5	4.065	pci/g dry wt.	4/13/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386393X		ALPBET	0.1002	g dry wt.	0.7421	0	Alpha	4.7	5.5	8.872	pci/g dry wt.	4/13/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386393X		ALPBET	0.1002	g dry wt.	0.7421	0	Beta	17.4	3.5	3.957	pci/g dry wt.	4/13/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

Landin	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Duccedune	Allowat	Unit	Drv/Wet	Ash/Dry	Analyte	Como	2*CSU	MDC	Unit	Res. Date
Location CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y	ŲĊ	GAMMA	Aliquot 715	g dry wt.	0.8116	Asn/Dry 0	Ba140	Conc.	2*CSU	0.138	pci/g dry wt.	2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	Bi212	0.107	0.093	0.110	pci/g dry wt.	2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	Bi214	0.117	0.017		pci/g dry wt.	2/28/1999
CHW	SOIL SOIL	SOIL	99.01232X 99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y 00386467Y		GAMMA GAMMA	715 715	g dry wt. g dry wt.	0.8116	0	Co60 Cs134			0.0114	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	Cs134 Cs137	0.0102	0.0057	0.0137	pci/g dry wt.	2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	I131			0.0849	pci/g dry wt.	2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	K40	3.66	0.26		pci/g dry wt.	2/28/1999
CHW	SOIL SOIL	SOIL	99.01232X 99.01232X	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386467Y 00386467Y		GAMMA GAMMA	715 715	g dry wt.	0.8116 0.8116	0	Pb212 Pb214	0.098	0.017		pci/g dry wt.	2/28/1999 2/28/1999
CHW	SOIL	SOIL	99.01232X 99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	Ra226	0.128	0.017		pci/g dry wt.	2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	Ra228	0.079	0.02		pci/g dry wt.	2/28/1999
CHW	SOIL	SOIL	99.01232X	2/28/1999 11:53	2/28/1999 11:53	00386467Y		GAMMA	715	g dry wt.	0.8116	0	Ti208	0.0242	0.008		pci/g dry wt.	2/28/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Ba140	0.27	0.10	0.2	pci/g dry wt.	2/25/1999
UX	SOIL SOIL	SOIL	99.01080Z 99.01080Z	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386272N 00386272N		GAMMA GAMMA	615 615	g dry wt.	0.8011	0	Bi212 Bi214	0.37 0.482	0.12		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Co60	0.462	0.037	0.0246	pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Cs137	0.026	0.01		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	I131			0.0989	pci/g dry wt.	2/25/1999
UX	SOIL SOIL	SOIL	99.01080Z 99.01080Z	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386272N 00386272N		GAMMA GAMMA	615 615	g dry wt.	0.8011	0	K40 Pa234m	9.9	0.65		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Pb212	0.347	0.03		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Pb214	0.522	0.039		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Ra224	0.36	0.22		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	Ra226	1.28	0.28		pci/g dry wt.	2/25/1999
UX	SOIL SOIL	SOIL	99.01080Z 99.01080Z	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386272N 00386272N		GAMMA GAMMA	615 615	g dry wt. g dry wt.	0.8011 0.8011	0	Ra228 Th234	0.329 3.21	0.035		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	T1208	0.116	0.014		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386272N		GAMMA	615	g dry wt.	0.8011	0	U235	0.174	0.019		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Ba140			0.152	pci/g dry wt.	2/25/1999
UX	SOIL SOIL	SOIL	99.01080Z 99.01080Z	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386655A 00386655A	DUP DUP	GAMMA GAMMA	615 615	g dry wt.	0.8011	0	Bi212 Bi214	0.27 0.489	0.12		pci/g dry wt.	2/25/1999 2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt. g dry wt.	0.8011	0	Co60	0.469	0.037	0.0172	pci/g dry wt. pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Cs137	0.0332	0.0088		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	I131			0.0817	pci/g dry wt.	2/25/1999
UX	SOIL SOIL	SOIL	99.01080Z 99.01080Z	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386655A 00386655A	DUP	GAMMA GAMMA	615 615	g dry wt. g dry wt.	0.8011 0.8011	0	K40 Pa234m	9.98 3.9	0.63		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Pb212	0.372	0.03		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Pb214	0.548	0.039		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Ra224	0.25	0.26		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Ra226	0.76	0.27		pci/g dry wt.	2/25/1999
UX	SOIL SOIL	SOIL	99.01080Z 99.01080Z	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386655A 00386655A	DUP	GAMMA GAMMA	615 615	g dry wt. g dry wt.	0.8011 0.8011	0	Ra228 Th227	0.321	0.035		pci/g dry wt. pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	Th234	3.65	0.32		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	T1208	0.116	0.013		pci/g dry wt.	2/25/1999
UX	SOIL	SOIL	99.01080Z	2/25/1999 12:33	2/25/1999 12:33	00386655A	DUP	GAMMA	615	g dry wt.	0.8011	0	U235	0.196	0.019		pci/g dry wt.	2/25/1999
U4 U4	SOIL SOIL	SOIL SOIL	99.01081A 99.01081A	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386274Q 00386274Q		GAMMA GAMMA	500 500	g dry wt. g dry wt.	0.6756 0.6756	0	Ba140 Be7	0.18	0.12	0.251	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q 00386274Q		GAMMA	500	g dry wt.	0.6756	0	Bi212	0.18	0.12		pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q		GAMMA	500	g dry wt.	0.6756	0	Bi214	1.01	0.066		pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q		GAMMA	500	g dry wt.	0.6756	0	Co60			0.0281	pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q	$\vdash$	GAMMA	500	g dry wt.	0.6756	0	Cs137	0.247	0.022	0.122	pci/g dry wt.	2/25/1999
U4 U4	SOIL SOIL	SOIL	99.01081A 99.01081A	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386274Q 00386274O		GAMMA GAMMA	500 500	g dry wt.	0.6756 0.6756	0	I131 K40	20.5	1.2	0.133	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q		GAMMA	500	g dry wt.	0.6756	0	Pa234m	9.9	1.6		pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q		GAMMA	500	g dry wt.	0.6756	0	Pb212	0.999	0.066		pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q	igspace	GAMMA	500	g dry wt.	0.6756	0	Pb214	1.15	0.074		pci/g dry wt.	2/25/1999
U4 U4	SOIL SOIL	SOIL	99.01081A 99.01081A	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386274Q 00386274Q	$\vdash$	GAMMA GAMMA	500 500	g dry wt. g dry wt.	0.6756 0.6756	0	Ra224 Ra226	0.72 1.38	0.31	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q 00386274Q	$\vdash$	GAMMA	500	g dry wt.	0.6756	0	Ra228	0.836	0.064	<del>                                     </del>	pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q		GAMMA	500	g dry wt.	0.6756	0	Th234	8.02	0.59		pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q		GAMMA	500	g dry wt.	0.6756	0	T1208	0.289	0.022		pci/g dry wt.	2/25/1999
U4	SOIL	SOIL	99.01081A	2/25/1999 12:33	2/25/1999 12:33	00386274Q	lacksquare	GAMMA	500	g dry wt.	0.6756	0	U235	0.505	0.036	0.172	pci/g dry wt.	2/25/1999
E4 E4	SOIL SOIL	SOIL	99.01088H 99.01088H	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386288X 00386288X	$\vdash$	GAMMA GAMMA	717 717	g dry wt. g dry wt.	0.8272 0.8272	0	Ba140 Bi212	0.321	0.093	0.167	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
E4	SOIL	SOIL	99.01088H 99.01088H	2/25/1999 12:33	2/25/1999 12:33	00386288X 00386288X		GAMMA	717	g dry wt.	0.8272	0	Bi212	1.16	0.093	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/25/1999
E4	SOIL	SOIL	99.01088H	2/25/1999 12:33	2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	Co60			0.0199	pci/g dry wt.	2/25/1999
E4	SOIL	SOIL	99.01088H	2/25/1999 12:33	2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	Cs137	0.023	0.0085		pci/g dry wt.	2/25/1999
E4	SOIL	SOIL	99.01088H	2/25/1999 12:33	2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	I131			0.0867	pci/g dry wt.	2/25/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

Location															
E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E4   SOIL   SOIL   99.01088H     E5   SOIL   SOIL   99.01088H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01089H     E10   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW   SOIL   SOIL   99.01082H     MW	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
E4		2/25/1999 12:33	00386288X	QC	GAMMA	717	g dry wt.	0.8272	0	K40	17.3	1	MIDC	pci/g dry wt.	2/25/1999
E4         SOIL         SOIL         99.01088H           E4         SOIL         SOIL         99.01088H           E4         SOIL         SOIL         99.01088H           E4         SOIL         SOIL         99.01088H           E4         SOIL         SOIL         99.01088H           E10         SOIL         SOIL         99.01089J           E10         SOIL		2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	Pb212	0.369	0.029		pci/g dry wt.	2/25/1999
E4		2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	Pb214	1.26	0.077		pci/g dry wt.	2/25/1999
E4		2/25/1999 12:33 2/25/1999 12:33	00386288X 00386288X		GAMMA GAMMA	717 717	g dry wt.	0.8272 0.8272	0	Ra224 Ra226	0.19	0.22 0.26		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
E4		2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	Ra228	0.325	0.032		pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	T1208	0.118	0.012		pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33	00386288X		GAMMA	717	g dry wt.	0.8272	0	U235	0.117	0.016	0.166	pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33 2/25/1999 12:33	00386290Q 00386290O		GAMMA GAMMA	680 680	g dry wt. g dry wt.	0.8103 0.8103	0	Ba140 Bi212	0.5	0.1	0.166	pci/g dry wt. pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33	00386290Q		GAMMA	680	g dry wt.	0.8103	0	Bi214	1.04	0.065		pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33	00386290Q		GAMMA	680	g dry wt.	0.8103	0	Co60			0.0211	pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33 2/25/1999 12:33	00386290Q 00386290Q		GAMMA GAMMA	680 680	g dry wt.	0.8103	0	Cs137	0.05	0.011	0.091	pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33	00386290Q 00386290Q		GAMMA	680	g dry wt. g dry wt.	0.8103	0	K40	15	0.91	0.091	pci/g dry wt. pci/g dry wt.	2/25/1999
E10	2,20,1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2/25/1999 12:33	00386290Q		GAMMA	680	g dry wt.	0.8103	0	Pa234m	1.12	0.98		pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33	00386290Q		GAMMA	680	g dry wt.	0.8103	0	Pb212	0.534	0.037		pci/g dry wt.	2/25/1999
E10		2/25/1999 12:33 2/25/1999 12:33	00386290Q 00386290O		GAMMA GAMMA	680 680	g dry wt.	0.8103 0.8103	0	Pb214 Ra226	1.14	0.07		pci/g dry wt.	2/25/1999 2/25/1999
E10   SOIL   SOIL   99.010891		2/25/1999 12:33	00386290Q 00386290O		GAMMA GAMMA	680	g dry wt. g dry wt.	0.8103	0	Ra226 Ra228	0.484	0.26		pci/g dry wt. pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         S	2/25/1999 12:33 2/	2/25/1999 12:33	00386290Q		GAMMA	680	g dry wt.	0.8103	0	Th234	0.99	0.17		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         S		2/25/1999 12:33	00386290Q		GAMMA	680	g dry wt.	0.8103	0	T1208	0.167	0.015		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         SOIL         99.01082B           MW         S		2/25/1999 12:33 2/25/1999 12:33	00386276T 00386276T	$\vdash$	GAMMA GAMMA	363 363	g dry wt.	0.629	0	Ba140 Bi212	1.11	0.27	0.322	pci/g dry wt.	2/25/1999 2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         S		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt. g dry wt.	0.629	0	Bi212 Bi214	1.11	0.27		pci/g dry wt. pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         10         MW         10           MW         10         MW		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Co60		****	0.0422	pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         10		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Cs137	0.445	0.035		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         10		2/25/1999 12:33	00386276T		GAMMA	363 363	g dry wt.	0.629	0	I131	26.5	1.7	0.165	pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         10		2/25/1999 12:33 2/25/1999 12:33	00386276T 00386276T		GAMMA GAMMA	363	g dry wt. g dry wt.	0.629 0.629	0	K40 Pa234m	26.5 2.4	1.6		pci/g dry wt. pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         10         MW         10           D2         SOIL         SOIL         99 01083C           D2         S		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Pb212	1.09	0.077		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         10         MW         10           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C <td< td=""><td></td><td>2/25/1999 12:33</td><td>00386276T</td><td></td><td>GAMMA</td><td>363</td><td>g dry wt.</td><td>0.629</td><td>0</td><td>Pb214</td><td>1.76</td><td>0.11</td><td></td><td>pci/g dry wt.</td><td>2/25/1999</td></td<>		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Pb214	1.76	0.11		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         SOIL         SOIL         99 01082B           MW         10         SOIL         99 01082B           MW         10         MW         10           MW         10         MW         10           MW         10         MW         10           MW         10         MW         10           D2         SOIL         SOIL         99 01083C		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Ra223	0.152	0.093		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         SOIL         SOIL         99.01082B           MW         10         SOIL         99.01082B           MW         10         MW         MW <td></td> <td>2/25/1999 12:33 2/25/1999 12:33</td> <td>00386276T 00386276T</td> <td></td> <td>GAMMA GAMMA</td> <td>363 363</td> <td>g dry wt. g dry wt.</td> <td>0.629</td> <td>0</td> <td>Ra224 Ra225</td> <td>0.42 5.6</td> <td>0.46</td> <td></td> <td>pci/g dry wt. pci/g dry wt.</td> <td>2/25/1999 2/25/1999</td>		2/25/1999 12:33 2/25/1999 12:33	00386276T 00386276T		GAMMA GAMMA	363 363	g dry wt. g dry wt.	0.629	0	Ra224 Ra225	0.42 5.6	0.46		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
MW         SOIL         SOIL         99.01082B           MW         SOIL         99.01082B           MW         10         99.01082B           MW         10         10           MW         10         99.01083C           D2         SOIL         SOIL         99.01083C		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Ra228	0.947	0.081		pci/g dry wt.	2/25/1999
MW         SOIL         SOIL         99,01082B           MW         10             D2         SOIL         SOIL             D2         SOIL         SOIL               D2         SOIL         SOIL		2/25/1999 12:33	00386276T		GAMMA	363	g dry wt.	0.629	0	Th234	2.31	0.23		pci/g dry wt.	2/25/1999
MW         10           MW         10           MW         10           MW         10           MW         10           MW         10           MW         10           MW         10           D2         SOIL           SOIL         SOIL           D2         SOIL           SOIL         SOIL           P9.01083C           D2         SOIL           SOIL </td <td></td> <td>2/25/1999 12:33 2/25/1999 12:33</td> <td>00386276T 00386276T</td> <td></td> <td>GAMMA GAMMA</td> <td>363 363</td> <td>g dry wt.</td> <td>0.629</td> <td>0</td> <td>T1208 U235</td> <td>0.342</td> <td>0.031</td> <td></td> <td>pci/g dry wt.</td> <td>2/25/1999</td>		2/25/1999 12:33 2/25/1999 12:33	00386276T 00386276T		GAMMA GAMMA	363 363	g dry wt.	0.629	0	T1208 U235	0.342	0.031		pci/g dry wt.	2/25/1999
MW         10           MW         10           MW         10           MW         10           MW         10           MW         10           MW         10           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.010	2/25/1999 12:33 2/	2/25/1999 12:55	003862761		GAMMA	303	g dry wt. g dry wt.	0.629	U	U233	0.341	0.055		pci/g dry wt. pci/g dry wt.	2/25/1999
MW         10           MW         10           MW         10           MW         10           MW         10           MW         10           D2         SOIL           D3         SOIL           D4         SOIL           D5         SOIL           D6         SOIL           D7         SOIL           D8         SOIL           D9         SOIR           D1         SOIL           D2         SOIL           D2         SOIL           D2         SOIL           D2         SOIL           D2         SOIL           SOIL         SOIL           D2         SOIL           SOIL         SOIL           D2         SOIL           SOIL					GAMMA		g dry wt.							pci/g dry wt.	
MW         10           MW         10           MW         10           MW         10           D2         SOIL           SOIL         99.01083C           D2         SOIL           D2         SOIL           D2         SOIL           D2         SOIL           SOIL         99.01083C           D2         SOIL           D2         SOIL           SOIL         99.01083C           D2         SOIL           D2         SOIL           SOIL         SOIL         99.01083C           D2         SOIL           D2         SOIL         SOIL         99.01083C           D2<					GAMMA		g dry wt.							pci/g dry wt.	
MW         10           MW         10           MW         10           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C <td></td> <td></td> <td></td> <td></td> <td>GAMMA GAMMA</td> <td></td> <td>g dry wt.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>pci/g dry wt.</td> <td></td>					GAMMA GAMMA		g dry wt.							pci/g dry wt.	
MW         10           MW         10           D2         SOIL         SOIL         99.01083C           D2         SOIL					GAMMA		g dry wt. g dry wt.							pci/g dry wt. pci/g dry wt.	
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         S					GAMMA		g dry wt.							pci/g dry wt.	
D2         SOIL         SOIL         99,01083C           D2         SOIL         SOIL         SOIL         99,01083C           D2         S					GAMMA		g dry wt.							pci/g dry wt.	
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C		2/25/1999 12:33 2/25/1999 12:33	00386278V 00386278V		GAMMA GAMMA	639 639	g dry wt. g dry wt.	0.7909 0.7909	0	Ba140 Bi212	0.42	0.14	0.194	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C		2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Bi212	2.25	0.14		pci/g dry wt.	2/25/1999
D2   SOIL   SOIL   99.01083C	2/25/1999 12:33 2/	2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Co60			0.0225	pci/g dry wt.	2/25/1999
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C         D9.01083C           D2         SOIL         SOIL         99.01083C         D2.01         SOIL         99.01083C         D2.01         SOIL         SOIL         99.01083C         D2.01         SOIL         SOIL         SOIL         99.01083C         D2.01         D2.01         SOIL         SOIL         99.01083C         D2.01         SOIL         SOIL         SOIL         SOIL         SOIL         99.01083C         D2.01         SOIL         SOI		2/25/1999 12:33	00386278V 00386278V		GAMMA	639	g dry wt.	0.7909	0	Cs137	0.078	0.013	0.101	pci/g dry wt.	2/25/1999
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C		2/25/1999 12:33 2/25/1999 12:33	00386278V 00386278V	-	GAMMA GAMMA	639 639	g dry wt. g dry wt.	0.7909 0.7909	0	I131 K40	13.3	0.82	0.101	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         99 01083C           D2         SOIL         SOIL         90 01083C           D2         SOIL         SOIL         90 01083C		2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Pa234m	3.6	1.3		pci/g dry wt.	2/25/1999
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C	2/25/1999 12:33 2/	2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Pb212	0.528	0.04		pci/g dry wt.	2/25/1999
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C		2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Pb214	2.43	0.14		pci/g dry wt.	2/25/1999
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C		2/25/1999 12:33 2/25/1999 12:33	00386278V 00386278V	-	GAMMA GAMMA	639 639	g dry wt. g dry wt.	0.7909 0.7909	0	Ra224 Ra226	0.43 2.1	0.31	1	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C           D2         SOIL         SOIL         99.01083C		2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Ra228	0.43	0.042		pci/g dry wt.	2/25/1999
D2 SOIL SOIL 99.01083C	2/25/1999 12:33 2/	2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Th227	0.191	0.087		pci/g dry wt.	2/25/1999
		2/25/1999 12:33	00386278V		GAMMA	639	g dry wt.	0.7909	0	Th234	2.31	0.29		pci/g dry wt.	2/25/1999
D2 SOIL SOIL 99.01083C		2/25/1999 12:33 2/25/1999 12:33	00386278V 00386278V	$\vdash$	GAMMA GAMMA	639 639	g dry wt. g dry wt.	0.7909 0.7909	0	T1208 U235	0.174 0.175	0.017 0.021		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D4 SOIL SOIL 99.01084D		2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Ba140	0.175	0.021	0.198	pci/g dry wt.	2/25/1999
D4 SOIL SOIL 99.01084D		2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Bi212	0.71	0.14		pci/g dry wt.	2/25/1999
D4 SOIL SOIL 99.01084D	2,20,1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2/25/1999 12:33	00386280N 00386280N	$oxed{oxed}$	GAMMA	605	g dry wt.	0.7918	0	Bi214	1.7	0.1	0.0221	pci/g dry wt.	2/25/1999
D4 SOIL SOIL 99.01084D D4 SOIL SOIL 99.01084D		2/25/1999 12:33 2/25/1999 12:33	00386280N 00386280N	┝	GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7918 0.7918	0	Co60 Cs137	0.091	0.013	0.0231	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

T	Lateral Distance	M	NAREL ID	Collect Start	Collect Ford	4 1 I ID	00	D	4374	1724	D (NV. 4	4 -1 /D	A allocate	C	240011	MDC	T1-14	D D. 4.
Location D4	(m) SOIL	Matrix SOIL	99.01084D	2/25/1999 12:33	Collect End 2/25/1999 12:33	Analytical ID 00386280N	QC	GAMMA	Aliquot 605	Unit g dry wt.	0.7918	Ash/Dry 0	Analyte 1131	Conc.	2*CSU	0.102	Unit pci/g dry wt.	Res. Date 2/25/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	K40	14.6	0.89	0.102	pci/g dry wt.	2/25/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Pa234m	1.2	1.3		pci/g dry wt.	2/25/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Pb212	0.691	0.048		pci/g dry wt.	2/25/1999
D4 D4	SOIL SOIL	SOIL	99.01084D 99.01084D	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386280N 00386280N		GAMMA GAMMA	605 605	g dry wt.	0.7918	0	Pb214 Ra224	1.85 0.53	0.11		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Ra226	3.93	0.35		pci/g dry wt.	2/25/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Ra228	0.627	0.049		pci/g dry wt.	2/25/1999
D4	SOIL	SOIL	99.01084D	2/25/1999 12:33	2/25/1999 12:33	00386280N		GAMMA	605	g dry wt.	0.7918	0	Rn219	0.093	0.068		pci/g dry wt.	2/25/1999
D4 D4	SOIL SOIL	SOIL	99.01084D 99.01084D	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386280N 00386280N		GAMMA GAMMA	605 605	g dry wt.	0.7918 0.7918	0	Th234 Tl208	1.26 0.222	0.27 0.018		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D6	SOIL	SOIL	99.01084D 99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282O		GAMMA	689	g dry wt.	0.8207	0	Ba140	0.222	0.016	0.159	pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Bi212	0.38	0.11	0.107	pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Bi214	1.44	0.088		pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Co60			0.022	pci/g dry wt.	2/25/1999
D6 D6	SOIL SOIL	SOIL	99.01085E 99.01085E	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386282Q 00386282O		GAMMA GAMMA	689 689	g dry wt. g dry wt.	0.8207 0.8207	0	Cs137 I131	0.0134	0.0094	0.0861	pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q 00386282Q		GAMMA	689	g dry wt.	0.8207	0	K40	14.8	0.89	0.0801	pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Pb212	0.332	0.027		pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Pb214	1.56	0.094		pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Ra224	0.27	0.22		pci/g dry wt.	2/25/1999
D6	SOIL SOIL	SOIL	99.01085E 99.01085E	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33	00386282Q 00386282Q		GAMMA	689 689	g dry wt.	0.8207	0	Ra226 Ra228	2.86 0.29	0.27		pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E 99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q 00386282O	$\vdash$	GAMMA GAMMA	689	g dry wt.	0.8207	0	Ra228 Rn219	0.29	0.032		pci/g dry wt. pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	Th234	0.75	0.034		pci/g dry wt.	2/25/1999
D6	SOIL	SOIL	99.01085E	2/25/1999 12:33	2/25/1999 12:33	00386282Q		GAMMA	689	g dry wt.	0.8207	0	T1208	0.101	0.012		pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	Bi212	0.374	0.095		pci/g dry wt.	2/25/1999
D8 D8	SOIL	SOIL	99.01086F 99.01086F	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33	00386284T 00386284T		GAMMA	655 655	g dry wt.	0.7932 0.7932	0	Bi214 Co60	2.37	0.14	0.0185	pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T 00386284T		GAMMA GAMMA	655	g dry wt. g dry wt.	0.7932	0	Co60 Cs137	0.0085	0.0063	0.0185	pci/g dry wt. pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	I131	0.0003	0.0003	0.0772	pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	K40	15.2	0.91		pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	Pa234m	0.79	0.79		pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	Pb212	0.373	0.028		pci/g dry wt.	2/25/1999
D8 D8	SOIL SOIL	SOIL	99.01086F 99.01086F	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386284T 00386284T		GAMMA GAMMA	655 655	g dry wt.	0.7932 0.7932	0	Pb214 Ra223	2.59 0.259	0.15		pci/g dry wt. pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	Ra226	4.11	0.35		pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	Ra228	0.339	0.032		pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	Th234	0.85	0.18		pci/g dry wt.	2/25/1999
D8	SOIL	SOIL	99.01086F	2/25/1999 12:33	2/25/1999 12:33	00386284T		GAMMA	655	g dry wt.	0.7932	0	T1208	0.12	0.012		pci/g dry wt.	2/25/1999
D8 D8	SOIL SOIL	SOIL	99.01086F 99.01086F	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386284T 00386284T		GAMMA GAMMA	655 655	g dry wt. g dry wt.	0.7932 0.7932	0	U235 Ba140	0.245	0.021	0.15	pci/g dry wt. pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Ba140			0.185	pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Bi212	0.33	0.14		pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Bi214	1.78	0.11		pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Co60			0.0229	pci/g dry wt.	2/25/1999
D10 D10	SOIL SOIL	SOIL SOIL	99.01087G 99.01087G	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386286V 00386286V		GAMMA GAMMA	685 685	g dry wt. g dry wt.	0.8066 0.8066	0	Cs137 I131			0.0224	pci/g dry wt. pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	K40	12.5	0.77	0.073	pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Pa234m	1.3	1.2		pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Pb212	0.337	0.032		pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Pb214	1.93	0.12		pci/g dry wt.	2/25/1999
D10 D10	SOIL SOIL	SOIL	99.01087G 99.01087G	2/25/1999 12:33 2/25/1999 12:33	2/25/1999 12:33 2/25/1999 12:33	00386286V 00386286V	$\vdash$	GAMMA GAMMA	685 685	g dry wt.	0.8066	0	Ra226 Ra228	0.323	0.29		pci/g dry wt. pci/g dry wt.	2/25/1999 2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Rn219	0.122	0.061		pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	Th234	1.35	0.28		pci/g dry wt.	2/25/1999
D10	SOIL	SOIL	99.01087G	2/25/1999 12:33	2/25/1999 12:33	00386286V		GAMMA	685	g dry wt.	0.8066	0	T1208	0.108	0.013		pci/g dry wt.	2/25/1999
D10 CHW	SOIL MIDCHANNEL	SOIL SEDIMENT	99.01087G 99.01231W	2/25/1999 12:33 2/28/1999 11:53	2/25/1999 12:33 2/28/1999 11:53	00386286V 00386465W		GAMMA GAMMA	685 209	g dry wt.	0.8066 0.3485	0	U235 Ba140	0.146	0.019	0.289	pci/g dry wt.	2/25/1999 2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W 99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W	$\vdash$	GAMMA	209	g dry wt. g dry wt.	0.3485	0	Ba140 Be7	0.52	0.12	0.289	pci/g dry wt. pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Bi212	1.21	0.12	1	pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Bi214	1.12	0.073		pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Co60			0.0266	pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Cs137	0.366	0.027	0.170	pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL MIDCHANNEL	SEDIMENT SEDIMENT	99.01231W 99.01231W	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386465W 00386465W		GAMMA GAMMA	209 209	g dry wt. g dry wt.	0.3485 0.3485	0	I131 K40	21.8	1.3	0.179	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Pa234m	1.6	1.3		pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Pb212	1.17	0.074		pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Pb214	1.17	0.074		pci/g dry wt.	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance		NA DEL 10	G 11 . G	6 11 . 12 .		0.0				D 200				*******	, me		
Location CHW	(m) MIDCHANNEL	Matrix SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	Analytical ID 00386465W	QC	GAMMA	Aliquot 209	Unit g dry wt.	Dry/Wet 0.3485	Ash/Dry 0	Analyte Ra224	1 07	2*CSU 0.27	MDC	Unit pci/g dry wt.	Res. Date 2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Ra226	2.46	0.32		pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Ra228	1.08	0.074		pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL	SEDIMENT	99.01231W	2/28/1999 11:53	2/28/1999 11:53	00386465W		GAMMA	209	g dry wt.	0.3485	0	Th234	1.15	0.22		pci/g dry wt.	2/28/1999
CHW	MIDCHANNEL MIDCHANNEL	SEDIMENT SEDIMENT	99.01231W 99.01231W	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386465W 00386465W		GAMMA GAMMA	209 209	g dry wt. g dry wt.	0.3485 0.3485	0	T1208 U235	0.371	0.027		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	NS	SEDIMENT	99.01251W	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Ba140	0.140	0.019	0.771	pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Be7	0.66	0.32		pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Bi212	0.69	0.58		pci/g dry wt.	2/28/1999
UX	NS NS	SEDIMENT SEDIMENT	99.01154A 99.01154A	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386352M 00386352M		GAMMA GAMMA	50 50	g dry wt. g dry wt.	0.1035 0.1035	0	Bi214 Co60	0.88	0.12	0.108	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	NS NS	SEDIMENT	99.01154A 99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Cs137	0.113	0.042	0.108	pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	I131	0.115	0.012	0.412	pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	K40	15	1.4		pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Pb212	0.858	0.091		pci/g dry wt.	2/28/1999
UX UX	NS NS	SEDIMENT SEDIMENT	99.01154A 99.01154A	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386352M 00386352M		GAMMA GAMMA	50 50	g dry wt. g dry wt.	0.1035 0.1035	0	Pb214 Ra226	1.01 2.96	0.11		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Ra228	0.84	0.13		pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	Th234	2.62	0.54		pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	T1208	0.254	0.059		pci/g dry wt.	2/28/1999
UX	NS	SEDIMENT	99.01154A	2/28/1999 10:55	2/28/1999 10:55	00386352M		GAMMA	50	g dry wt.	0.1035	0	U235	0.18	0.048		pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G 99.01184G	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00	00386400C 00386400C		GAMMA GAMMA	14.5 14.5	g dry wt. g dry wt.	0.05141	0	Ba140 Bi212	1.8	1.1	2.41	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	Bi214	0.97	0.29		pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	Co60	0.57	0.27	0.273	pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	Cs137	0.114	0.083		pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	I131	1/ 0	2.2	1.51	pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G 99.01184G	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00	00386400C 00386400C		GAMMA GAMMA	14.5 14.5	g dry wt. g dry wt.	0.05141 0.05141	0	K40 Pb212	16.2	2.3 0.29		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	Pb214	1.14	0.29		pci/g dry wt.	2/28/1999
UX	i	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	Ra226	4.1	2.7		pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	Ra228			0.692	pci/g dry wt.	2/28/1999
UX	1	SEDIMENT	99.01184G	2/28/1999 11:00	2/28/1999 11:00	00386400C		GAMMA	14.5	g dry wt.	0.05141	0	T1208	0.16	0.15		pci/g dry wt.	2/28/1999
UX	1 5	SEDIMENT SEDIMENT	99.01184G 99.01161Z	2/28/1999 11:00 2/28/1999 10:55	2/28/1999 11:00 2/28/1999 10:55	00386400C 00386366U		GAMMA GAMMA	14.5 24.1	g dry wt. g dry wt.	0.05141 0.0437	0	U235 Ba140	0.31	0.16	1.36	pci/g dry wt.	2/28/1999 2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Bi212	0.92	0.77	1.50	pci/g dry wt. pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Bi214	1.1	0.17		pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Co60			0.163	pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Cs137	0.087	0.053		pci/g dry wt.	2/28/1999
UX UX	5	SEDIMENT SEDIMENT	99.01161Z 99.01161Z	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386366U 00386366U		GAMMA GAMMA	24.1 24.1	g dry wt. g dry wt.	0.0437 0.0437	0	I131 K40	19.6	1.8	0.815	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Pa234m	9.4	8.4		pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Pb212	1.15	0.16		pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Pb214	1.29	0.18		pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Ra224 Ra226	1.5	1.6		pci/g dry wt.	2/28/1999
UX UX	5	SEDIMENT SEDIMENT	99.01161Z 99.01161Z	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386366U 00386366U		GAMMA GAMMA	24.1 24.1	g dry wt. g dry wt.	0.0437 0.0437	0	Ra228	6.6 1.05	1.6 0.22		pci/g dry wt. pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	Th234	5.8	1.3		pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	T1208	0.342	0.079		pci/g dry wt.	2/28/1999
UX	5	SEDIMENT	99.01161Z	2/28/1999 10:55	2/28/1999 10:55	00386366U		GAMMA	24.1	g dry wt.	0.0437	0	U235	0.402	0.096		pci/g dry wt.	2/28/1999
UX	10 10	SEDIMENT SEDIMENT	99.01178J 99.01178J	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386388A 00386388A	$\vdash$	GAMMA GAMMA	35.7 35.7	g dry wt. g dry wt.	0.1044 0.1044	0	Ba140 Bi212	0.89	0.81	1.3	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
UX	10	SEDIMENT	99.01178J 99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A 00386388A	$\vdash$	GAMMA	35.7	g dry wt.	0.1044	0	Bi212 Bi214	1.07	0.81	1	pci/g dry wt. pci/g dry wt.	2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A		GAMMA	35.7	g dry wt.	0.1044	0	Co60			0.162	pci/g dry wt.	2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A		GAMMA	35.7	g dry wt.	0.1044	0	Cs137	0.068	0.054		pci/g dry wt.	2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A		GAMMA	35.7	g dry wt.	0.1044	0	I131	160	1.0	0.683	pci/g dry wt.	2/28/1999
UX	10 10	SEDIMENT SEDIMENT	99.01178J 99.01178J	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386388A 00386388A		GAMMA GAMMA	35.7 35.7	g dry wt. g dry wt.	0.1044 0.1044	0	K40 Pa234m	16.8 8.7	1.9 6.3		pci/g dry wt.	2/28/1999 2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A 00386388A	$\vdash$	GAMMA	35.7	g dry wt.	0.1044	0	Pa234m Pb212	1.04	0.12	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A		GAMMA	35.7	g dry wt.	0.1044	0	Pb214	1.12	0.14		pci/g dry wt.	2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A		GAMMA	35.7	g dry wt.	0.1044	0	Ra226	3.6	1.2		pci/g dry wt.	2/28/1999
UX	10	SEDIMENT	99.01178J	2/28/1999 11:00	2/28/1999 11:00	00386388A		GAMMA	35.7	g dry wt.	0.1044	0	Ra228	0.96	0.17		pci/g dry wt.	2/28/1999
UX UX	10 10	SEDIMENT	99.01178J 99.01178J	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00	00386388A 00386388A	$\vdash$	GAMMA GAMMA	35.7 35.7	g dry wt. g dry wt.	0.1044	0	Th234 Tl208	3.32 0.336	0.82	1	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	NS	SEDIMENT	99.011783 99.01234Z	2/28/1999 11:00	2/28/1999 11:00	00386471U	$\vdash$	GAMMA	414	g dry wt.	0.1044	0	Ba140	0.550	0.003	0.308	pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Be7	0.15	0.14		pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Bi212	0.8	0.2		pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Bi214	0.958	0.067	0.0205	pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U	ш	GAMMA	414	g dry wt.	0.5527	0	Co60	ļ		0.0299	pci/g dry wt.	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance	34.4.4	NAREL ID	Collect Start	C. H A F I	A also de la IID	00	D	4114	TT24	D (NV. 4	4 -1 /D	4 1 4 .	G	240011	MDC	T124	D D. 4.
Location U4	(m) NS	Matrix SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	Analytical ID 00386471U	QC	GAMMA	Aliquot 414	Unit g dry wt.	Dry/Wet 0.5527	Ash/Dry 0	Analyte Cs134	Conc.	2*CSU	0.0431	Unit pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Cs137	0.276	0.025	0.0131	pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	1131			0.189	pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	K40	21.6	1.3		pci/g dry wt.	2/28/1999
U4 U4	NS NS	SEDIMENT SEDIMENT	99.01234Z 99.01234Z	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386471U 00386471U		GAMMA GAMMA	414 414	g dry wt. g dry wt.	0.5527 0.5527	0	Pa234m Pb212	4.2 0.992	1.6 0.069		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Pb214	1.02	0.069		pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Ra226	4.45	0.46		pci/g dry wt.	2/28/1999
U4	NS	SEDIMENT	99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	Ra228	0.911	0.071		pci/g dry wt.	2/28/1999
U4 U4	NS NS	SEDIMENT SEDIMENT	99.01234Z 99.01234Z	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386471U 00386471U		GAMMA GAMMA	414 414	g dry wt. g dry wt.	0.5527 0.5527	0	Th234 Tl208	3.41 0.301	0.35 0.026		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	NS NS	SEDIMENT	99.01234Z 99.01234Z	2/28/1999 12:20	2/28/1999 12:20	00386471U		GAMMA	414	g dry wt.	0.5527	0	U235	0.301	0.026		pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Ba140	0.207	0.027	0.305	pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Be7	0.34	0.13		pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Bi212	0.97	0.19		pci/g dry wt.	2/28/1999
U4 U4	1	SEDIMENT SEDIMENT	99.01233Y 99.01233Y	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386469A 00386469A		GAMMA	488 488	g dry wt.	0.5854 0.5854	0	Bi214 Co60	0.927	0.065	0.0272	pci/g dry wt.	2/28/1999 2/28/1999
U4	1	SEDIMENT	99.01233 Y 99.01233 Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA GAMMA	488	g dry wt. g dry wt.	0.5854	0	Cs134			0.0272	pci/g dry wt. pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Cs137	0.199	0.021	0.0412	pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	1131			0.186	pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	K40	20.4	1.3		pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Pa234m	6.3	1.6		pci/g dry wt.	2/28/1999
U4 U4	1	SEDIMENT	99.01233Y 99.01233Y	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386469A 00386469A		GAMMA GAMMA	488 488	g dry wt. g dry wt.	0.5854 0.5854	0	Pb212 Pb214	1.01	0.07		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Ra224	0.75	0.39		pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Ra226			0.532	pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Ra228	0.916	0.072		pci/g dry wt.	2/28/1999
U4	1	SEDIMENT	99.01233Y	2/28/1999 12:20	2/28/1999 12:20	00386469A		GAMMA	488	g dry wt.	0.5854	0	Th234	6.03	0.53		pci/g dry wt.	2/28/1999
U4 U4	1	SEDIMENT SEDIMENT	99.01233Y 99.01233Y	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386469A 00386469A		GAMMA	488 488	g dry wt.	0.5854 0.5854	0	T1208 U235	0.317	0.027 0.034		pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01233 Y 99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA GAMMA	626	g dry wt. g dry wt.	0.5854	0	Ba140	0.409	0.054	0.203	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Be7	0.27	0.095	0.203	pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Bi212	0.45	0.14		pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Bi214	0.578	0.042		pci/g dry wt.	2/28/1999
U4 U4	5	SEDIMENT SEDIMENT	99.01240X 99.01240X	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386483Y 00386483Y		GAMMA GAMMA	626 626	g dry wt. g dry wt.	0.6655	0	Co60 Cs137	0.082	0.011	0.0202	pci/g dry wt. pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X 99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	I131	0.082	0.011	0.12	pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	K40	15.6	0.95	0.12	pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Pa234m	1.7	1.2		pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Pb212	0.557	0.04		pci/g dry wt.	2/28/1999
U4 U4	5	SEDIMENT SEDIMENT	99.01240X 99.01240X	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386483Y 00386483Y		GAMMA GAMMA	626 626	g dry wt. g dry wt.	0.6655 0.6655	0	Pb214 Ra226	0.637 2.17	0.044		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	5	SEDIMENT	99.01240X 99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Ra228	0.486	0.29		pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	Th234	1.13	0.24		pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	T1208	0.166	0.016		pci/g dry wt.	2/28/1999
U4	5	SEDIMENT	99.01240X	2/28/1999 12:20	2/28/1999 12:20	00386483Y		GAMMA	626	g dry wt.	0.6655	0	U235	0.131	0.018		pci/g dry wt.	2/28/1999
U4 U4	10 10	SEDIMENT SEDIMENT	99.01241Y 99.01241Y	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386485A 00386485A		GAMMA GAMMA	664 664	g dry wt. g dry wt.	0.7669 0.7669	0	Bi212 Bi214	0.321	0.08 0.028	-	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	10	SEDIMENT	99.012411 99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	Co60	0.331	0.020	0.0177	pci/g dry wt.	2/28/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	Cs137	0.0294	0.0065		pci/g dry wt.	2/28/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	1131			0.0927	pci/g dry wt.	2/28/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	K40	9.2	0.57	<u> </u>	pci/g dry wt.	2/28/1999
U4 U4	10 10	SEDIMENT	99.01241Y 99.01241Y	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386485A 00386485A	$\vdash$	GAMMA GAMMA	664 664	g dry wt. g dry wt.	0.7669 0.7669	0	Pb212 Pb214	0.301	0.024 0.027	}	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
U4	10	SEDIMENT	99.012411 99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A	$\vdash$	GAMMA	664	g dry wt.	0.7669	0	Ra224	0.302	0.027	<b> </b>	pci/g dry wt.	2/28/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	Ra226	0.79	0.19		pci/g dry wt.	2/28/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	Ra228	0.277	0.028		pci/g dry wt.	2/28/1999
U4	10	SEDIMENT	99.01241Y	2/28/1999 12:20	2/28/1999 12:20	00386485A		GAMMA	664	g dry wt.	0.7669	0	T1208	0.101	0.011	0.157	pci/g dry wt.	2/28/1999
U4 E4	10 NS	SEDIMENT SEDIMENT	99.01241Y 99.01237C	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386485A 00386477A		GAMMA GAMMA	664 724	g dry wt. g dry wt.	0.7669 0.8045	0	Ba140 Ba140			0.157	pci/g dry wt.	2/28/1999 2/28/1999
E4	NS NS	SEDIMENT	99.01237C 99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	Bi212	0.49	0.16	0.233	pci/g dry wt. pci/g dry wt.	2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	Bi214	1.18	0.075		pci/g dry wt.	2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	Co60			0.0197	pci/g dry wt.	2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	Cs134	0.6111	0.00=0	0.0353	pci/g dry wt.	2/28/1999
E4	NS NC	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A	$\vdash$	GAMMA	724	g dry wt.	0.8045	0	Cs137	0.0146	0.0073	0.140	pci/g dry wt.	2/28/1999
E4 E4	NS NS	SEDIMENT	99.01237C 99.01237C	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386477A 00386477A	$\vdash$	GAMMA GAMMA	724 724	g dry wt. g dry wt.	0.8045	0	I131 K40	15.8	0.96	0.148	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	Pb212	0.41	0.033		pci/g dry wt.	2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt	0.8045	0	Pb214	1.25	0.078		nci/g dry wt	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	<b>Lateral Distance</b>																	
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QC	Procedure	Aliquot	Unit	0.8045	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
E4 E4	NS NS	SEDIMENT SEDIMENT	99.01237C 99.01237C	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386477A 00386477A		GAMMA GAMMA	724 724	g dry wt. g dry wt.	0.8045	0	Ra224 Ra226	0.46 1.97	0.29 0.28		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	Ra228	0.373	0.036		pci/g dry wt.	2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	T1208	0.115	0.014		pci/g dry wt.	2/28/1999
E4	NS	SEDIMENT	99.01237C	2/28/1999 12:20	2/28/1999 12:20	00386477A		GAMMA	724	g dry wt.	0.8045	0	U235	0.118	0.017		pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Ba140	0.72	0.17	0.285	pci/g dry wt.	2/28/1999
E4 E4	1	SEDIMENT SEDIMENT	99.01239E 99.01239E	2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386481W 00386481W		GAMMA GAMMA	635	g dry wt. g dry wt.	0.6915 0.6915	0	Bi212 Bi214	0.63 1.02	0.17		pci/g dry wt.	2/28/1999 2/28/1999
E4	1	SEDIMENT	99.01239E 99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Co60	1.02	0.007	0.0193	pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Cs134			0.0366	pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Cs137	0.09	0.013		pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	I131			0.175	pci/g dry wt.	2/28/1999
E4 E4	1	SEDIMENT SEDIMENT	99.01239E 99.01239E	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386481W 00386481W		GAMMA GAMMA	635 635	g dry wt.	0.6915 0.6915	0	K40 Pb212	17.7 0.592	1.1 0.044		pci/g dry wt.	2/28/1999 2/28/1999
E4	1	SEDIMENT	99.01239E 99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt. g dry wt.	0.6915	0	Pb214	1.12	0.044		pci/g dry wt. pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Ra224	0.42	0.32		pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Ra226	1.92	0.34		pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	Ra228	0.584	0.049		pci/g dry wt.	2/28/1999
E4	1	SEDIMENT	99.01239E	2/28/1999 12:20	2/28/1999 12:20	00386481W		GAMMA	635	g dry wt.	0.6915	0	T1208	0.196	0.019		pci/g dry wt.	2/28/1999
E4 E4	5	SEDIMENT	99.01243A 99.01243A	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386489E 00386489E		GAMMA GAMMA	473 473	g dry wt. g dry wt.	0.6076 0.6076	0	Be7 Bi212	0.17	0.1		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E4	5	SEDIMENT	99.01243A 99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Bi212	1.03	0.22		pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Co60	1.05	0.07	0.0311	pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Cs137	0.184	0.02		pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	I131			0.177	pci/g dry wt.	2/28/1999
E4 E4	5	SEDIMENT SEDIMENT	99.01243A 99.01243A	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386489E 00386489E		GAMMA GAMMA	473 473	g dry wt.	0.6076	0	K40 Pa234m	17.9 2.1	1.1		pci/g dry wt.	2/28/1999 2/28/1999
E4	5	SEDIMENT	99.01243A 99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E 00386489E		GAMMA	473	g dry wt. g dry wt.	0.6076	0	Pa234m Pb212	0.96	0.065		pci/g dry wt. pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Pb214	1.09	0.072		pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Ra224	0.47	0.35		pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Ra226	2.38	0.35		pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Ra228	0.866	0.068		pci/g dry wt.	2/28/1999
E4 E4	5	SEDIMENT SEDIMENT	99.01243A 99.01243A	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386489E 00386489E		GAMMA GAMMA	473 473	g dry wt. g dry wt.	0.6076	0	Th234 T1208	0.74	0.15 0.026		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E4	5	SEDIMENT	99.01243A 99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	U235	0.308	0.020		pci/g dry wt.	2/28/1999
E4	5	SEDIMENT	99.01243A	2/28/1999 12:20	2/28/1999 12:20	00386489E		GAMMA	473	g dry wt.	0.6076	0	Ba140	0.111	0.021	0.296	pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Ba140			0.294	pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Be7	0.1	0.11		pci/g dry wt.	2/28/1999
E4 E4	10	SEDIMENT SEDIMENT	99.01238D 99.01238D	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386479C 00386479C		GAMMA GAMMA	551 551	g dry wt. g dry wt.	0.6363	0	Bi212 Bi214	0.8	0.18		pci/g dry wt. pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D 99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C 00386479C		GAMMA	551	g dry wt.	0.6363	0	Co60	0.88	0.061	0.0251	pci/g dry wt. pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Cs134			0.0231	pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Cs137	0.136	0.015		pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	I131			0.182	pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	K40	18.5	1.1		pci/g dry wt.	2/28/1999
E4 E4	10 10	SEDIMENT SEDIMENT	99.01238D 99.01238D	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386479C 00386479C		GAMMA GAMMA	551 551	g dry wt. g dry wt.	0.6363 0.6363	0	Pa234m Pb212	1.5 0.806	1.4 0.058		pci/g dry wt. pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Pb214	0.988	0.066		pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Ra224	0.38	0.33		pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Ra226	2.13	0.35		pci/g dry wt.	2/28/1999
E4	10	SEDIMENT	99.01238D	2/28/1999 12:20	2/28/1999 12:20	00386479C		GAMMA	551	g dry wt.	0.6363	0	Ra228	0.714	0.058		pci/g dry wt.	2/28/1999
E4 E4	10 10	SEDIMENT SEDIMENT	99.01238D 99.01238D	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386479C 00386479C		GAMMA GAMMA	551 551	g dry wt. g dry wt.	0.6363 0.6363	0	Th234 Tl208	1.08 0.252	0.35 0.022		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E10	NS	SEDIMENT	99.01238D 99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Ba140	0.232	0.022	0.26	pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Bi212	0.61	0.17		pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Bi214	1.05	0.068		pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Co60	0.002	0.015	0.0309	pci/g dry wt.	2/28/1999
E10 E10	NS NS	SEDIMENT SEDIMENT	99.01153Z 99.01153Z	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386350K 00386350K	$\vdash$	GAMMA GAMMA	679 679	g dry wt. g dry wt.	0.7434 0.7434	0	Cs137 I131	0.093	0.015	0.137	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K	$\vdash$	GAMMA	679	g dry wt.	0.7434	0	K40	15.7	0.97	0.157	pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Pb212	0.677	0.047		pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Pb214	1.13	0.072		pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Ra224	0.54	0.25		pci/g dry wt.	2/28/1999
E10 E10	NS NS	SEDIMENT	99.01153Z 99.01153Z	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386350K 00386350K		GAMMA GAMMA	679 679	g dry wt. g dry wt.	0.7434 0.7434	0	Ra226 Ra228	2.19 0.608	0.29		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E10	NS NS	SEDIMENT	99.01153Z 99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	Th227	0.008	0.05		pci/g dry wt. pci/g dry wt.	2/28/1999
E10	NS	SEDIMENT	99.01153Z	2/28/1999 10:55	2/28/1999 10:55	00386350K		GAMMA	679	g dry wt.	0.7434	0	T1208	0.207	0.019		pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Ba140			0.194	pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Bi212	0.69	0.13		pci/g dry wt.	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance													_				
Location E10	(m)	Matrix SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	Analytical ID	QC	Procedure GAMMA	Aliquot 602	Unit g dry wt.	Dry/Wet 0.7032	Ash/Dry 0	Analyte Bi214	O.803	2*CSU 0.053	MDC	Unit pci/g dry wt.	Res. Date 2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Co60	0.803	0.055	0.0206	pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Cs137	0.093	0.012		pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	1131			0.107	pci/g dry wt.	2/28/1999
E10	1	SEDIMENT SEDIMENT	99.01157D 99.01157D	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386358U 00386358U		GAMMA GAMMA	602 602	g dry wt. g dry wt.	0.7032 0.7032	0	K40 Pb212	15.5 0.651	0.94 0.045		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U	1	GAMMA	602	g dry wt.	0.7032	0	Pb214	0.885	0.043		pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Ra224	0.19	0.22		pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Ra226	1.79	0.25		pci/g dry wt.	2/28/1999
E10	1	SEDIMENT	99.01157D	2/28/1999 10:55	2/28/1999 10:55	00386358U		GAMMA	602	g dry wt.	0.7032	0	Ra228	0.583	0.045		pci/g dry wt.	2/28/1999
E10 E10	1	SEDIMENT	99.01157D 99.01157D	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386358U 00386358U		GAMMA GAMMA	602	g dry wt. g dry wt.	0.7032 0.7032	0	Th234 Tl208	0.42 0.212	0.21 0.017		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Ba140	0.212	0.017	0.233	pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Be7	0.446	0.091	0.200	pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Bi212	1.04	0.14		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E 00386402E		GAMMA	487	g dry wt.	0.5377	0	Bi214	1.33	0.082	0.0217	pci/g dry wt.	2/28/1999 2/28/1999
MW MW	NS NS	SEDIMENT SEDIMENT	99.01185H 99.01185H	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386402E 00386402E		GAMMA GAMMA	487 487	g dry wt. g dry wt.	0.5377	0	Co60 Cs137	0.181	0.016	0.0217	pci/g dry wt. pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	1131	0.101	0.010	0.141	pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	K40	19.8	1.2		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Pa234m	3.8	1.2		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Pb212	1.11	0.069		pci/g dry wt.	2/28/1999
MW MW	NS NS	SEDIMENT	99.01185H 99.01185H	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386402E 00386402E		GAMMA GAMMA	487 487	g dry wt.	0.5377 0.5377	0	Pb214 Ra223	1.48 0.127	0.09		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
MW	NS NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Ra224	0.127	0.034		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Ra226	4.13	0.36		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Ra228	0.915	0.062		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E		GAMMA	487	g dry wt.	0.5377	0	Th234	2.72	0.3		pci/g dry wt.	2/28/1999
MW	NS	SEDIMENT	99.01185H	2/28/1999 11:00	2/28/1999 11:00	00386402E	<u> </u>	GAMMA	487	g dry wt.	0.5377	0	T1208	0.325	0.024		pci/g dry wt.	2/28/1999
MW MW	NS 1	SEDIMENT	99.01185H 99.01188L	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386402E 003864061		GAMMA GAMMA	487 228	g dry wt. g dry wt.	0.5377 0.3916	0	U235 Ba140	0.253	0.022	0.308	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Be7	0.44	0.15	0.508	pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Bi212	0.75	0.16		pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Bi214	1.03	0.071		pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Co60	0.146	0.00	0.0317	pci/g dry wt.	2/28/1999
MW MW	1	SEDIMENT SEDIMENT	99.01188L 99.01188L	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386406J 00386406J		GAMMA GAMMA	228 228	g dry wt. g dry wt.	0.3916 0.3916	0	Cs137 I131	0.146	0.02	0.181	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	K40	16.3	1	0.101	pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Pa234m	4.6	1.6		pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Pb212	0.878	0.06		pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Pb214	1.09	0.071		pci/g dry wt.	2/28/1999
MW MW	1	SEDIMENT SEDIMENT	99.01188L 99.01188L	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386406J 00386406J		GAMMA GAMMA	228 228	g dry wt. g dry wt.	0.3916 0.3916	0	Ra224 Ra226	0.71 3.29	0.32		pci/g dry wt.	2/28/1999 2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J	1	GAMMA	228	g dry wt.	0.3916	0	Ra228	0.799	0.57		pci/g dry wt. pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	Th234	1.37	0.23		pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J		GAMMA	228	g dry wt.	0.3916	0	T1208	0.284	0.025		pci/g dry wt.	2/28/1999
MW	1	SEDIMENT	99.01188L	2/28/1999 11:00	2/28/1999 11:00	00386406J	lacksquare	GAMMA	228	g dry wt.	0.3916	0	U235	0.198	0.022		pci/g dry wt.	2/28/1999
MW MW	5	SEDIMENT	99.01183F 99.01183F	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386398C 00386398C	<b>-</b>	GAMMA GAMMA	116	g dry wt.	0.3439	0	Bi212 Bi214	0.46	0.32		pci/g dry wt.	2/28/1999 2/28/1999
MW	5	SEDIMENT SEDIMENT	99.01183F 99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C 00386398C	<b>!</b>	GAMMA GAMMA	116 116	g dry wt. g dry wt.	0.3439	0	Co60	0.998	0.084	0.0557	pci/g dry wt. pci/g dry wt.	2/28/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C	1	GAMMA	116	g dry wt.	0.3439	0	Cs137	0.029	0.018		pci/g dry wt.	2/28/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C		GAMMA	116	g dry wt.	0.3439	0	1131			0.321	pci/g dry wt.	2/28/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C		GAMMA	116	g dry wt.	0.3439	0	K40	13.8	0.97		pci/g dry wt.	2/28/1999
MW MW	5	SEDIMENT	99.01183F 99.01183F	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386398C 00386398C	1	GAMMA GAMMA	116 116	g dry wt. g dry wt.	0.3439 0.3439	0	Pb212 Pb214	0.801 1.15	0.07 0.088		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
MW	5	SEDIMENT	99.01183F 99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C	<del>                                     </del>	GAMMA	116	g dry wt.	0.3439	0	Pb214 Ra224	0.67	0.088		pci/g dry wt. pci/g dry wt.	2/28/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C	t	GAMMA	116	g dry wt.	0.3439	0	Ra226	2.4	0.56		pci/g dry wt.	2/28/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C		GAMMA	116	g dry wt.	0.3439	0	Ra228	0.74	0.088		pci/g dry wt.	2/28/1999
MW	5	SEDIMENT	99.01183F	2/28/1999 11:00	2/28/1999 11:00	00386398C		GAMMA	116	g dry wt.	0.3439	0	Th234	0.95	0.2		pci/g dry wt.	2/28/1999
MW MW	5	SEDIMENT SEDIMENT	99.01183F 99.01183F	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386398C 00386398C	<del>                                     </del>	GAMMA GAMMA	116 116	g dry wt.	0.3439 0.3439	0	T1208 Ba140	0.267	0.035	0.526	pci/g dry wt.	2/28/1999 2/28/1999
MW	5 10	SEDIMENT	99.01183F	2/20/1999 11:00	2/26/1999 11:00	00360398C	<del>                                     </del>	GAMMA	110	g dry wt.	0.3439	U	D8140	1		0.320	pci/g dry wt. pci/g dry wt.	2/20/1999
MW	10		1					GAMMA		g dry wt.	l	1	<b>-</b>	t			pci/g dry wt.	
MW	10							GAMMA		g dry wt.							pci/g dry wt.	
MW	10							GAMMA		g dry wt.							pci/g dry wt.	
MW	10						<u> </u>	GAMMA		g dry wt.		ļ					pci/g dry wt.	
MW MW	10 10		-				-	GAMMA GAMMA		g dry wt.	-	1	-	-			pci/g dry wt. pci/g dry wt.	
MW	10		-				<del>                                     </del>	GAMMA		g dry wt.		<del>                                     </del>	<del> </del>				pci/g dry wt.	
191 99	10		<u> </u>		ļ			QAIMIMA	ļ	gury wt.	<u> </u>				<u> </u>	<b></b>	per/g ury Wt.	

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance			G 11 . G	6 H . F .		00								ALCOY:	, me		
Location D2	(m) NS	Matrix SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	Analytical ID 00386487C	QC	GAMMA	Aliquot 612	Unit g dry wt.	Dry/Wet 0.7357	Ash/Dry 0	Analyte Ba140	Conc.	2*CSU	MDC 0.227	Unit pci/g dry wt.	Res. Date 2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Bi212	0.78	0.14	0.227	pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Bi214	1.07	0.068		pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Co60			0.0224	pci/g dry wt.	2/28/1999
D2 D2	NS NS	SEDIMENT SEDIMENT	99.01242Z 99.01242Z	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386487C 00386487C		GAMMA GAMMA	612	g dry wt. g dry wt.	0.7357 0.7357	0	Cs137 I131	0.059	0.011	0.129	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	K40	13.9	0.85	0.129	pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Pa234m	1.2	1		pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Pb212	0.751	0.051		pci/g dry wt.	2/28/1999
D2 D2	NS NS	SEDIMENT SEDIMENT	99.01242Z 99.01242Z	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386487C 00386487C		GAMMA GAMMA	612 612	g dry wt.	0.7357 0.7357	0	Pb214 Ra224	1.13 0.46	0.07		pci/g dry wt.	2/28/1999 2/28/1999
D2	NS NS	SEDIMENT	99.01242Z 99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C 00386487C		GAMMA	612	g dry wt. g dry wt.	0.7357	0	Ra224	2.36	0.23		pci/g dry wt. pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Ra228	0.681	0.051		pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	Th234	0.82	0.2		pci/g dry wt.	2/28/1999
D2	NS	SEDIMENT	99.01242Z	2/28/1999 12:20	2/28/1999 12:20	00386487C		GAMMA	612	g dry wt.	0.7357	0	T1208	0.241	0.019		pci/g dry wt.	2/28/1999
D2 D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Ba140	0.26	0.12	0.235	pci/g dry wt.	2/28/1999
D2 D2	1	SEDIMENT SEDIMENT	99.01235A 99.01235A	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386473W 00386473W		GAMMA GAMMA	643 643	g dry wt. g dry wt.	0.7447	0	Bi212 Bi214	0.36 0.746	0.13 0.051		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Co60	0.740	0.031	0.0192	pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Cs134			0.0325	pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Cs137	0.066	0.012		pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	1131			0.142	pci/g dry wt.	2/28/1999
D2 D2	1	SEDIMENT	99.01235A 99.01235A	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386473W 00386473W		GAMMA GAMMA	643 643	g dry wt.	0.7447	0	K40 Pb212	0.39	0.88		pci/g dry wt.	2/28/1999 2/28/1999
D2	1	SEDIMENT	99.01235A 99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt. g dry wt.	0.7447	0	Pb212 Pb214	0.808	0.054		pci/g dry wt. pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Ra224	0.34	0.27		pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Ra226	1.6	0.29		pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Ra228	0.417	0.039		pci/g dry wt.	2/28/1999
D2	1	SEDIMENT	99.01235A	2/28/1999 12:20	2/28/1999 12:20	00386473W		GAMMA	643	g dry wt.	0.7447	0	Th234	0.89	0.27		pci/g dry wt.	2/28/1999
D2 D2	5	SEDIMENT SEDIMENT	99.01235A 99.01244B	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386473W 00386491Y		GAMMA GAMMA	643 630	g dry wt. g dry wt.	0.7447 0.7631	0	Tl208 Bi212	0.121	0.014		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	Bi212	1.06	0.13		pci/g dry wt.	2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	Co60			0.0222	pci/g dry wt.	2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	Cs137			0.0196	pci/g dry wt.	2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	I131	11.5	0.72	0.123	pci/g dry wt.	2/28/1999
D2 D2	5	SEDIMENT SEDIMENT	99.01244B 99.01244B	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00386491Y 00386491Y		GAMMA GAMMA	630 630	g dry wt. g dry wt.	0.7631 0.7631	0	K40 Pb212	11.7 0.361	0.72 0.033		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	Pb214	1.2	0.033		pci/g dry wt.	2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	Ra226	1.94	0.26		pci/g dry wt.	2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	Ra228	0.315	0.033		pci/g dry wt.	2/28/1999
D2	5	SEDIMENT	99.01244B	2/28/1999 12:20	2/28/1999 12:20	00386491Y		GAMMA	630	g dry wt.	0.7631	0	T1208	0.101	0.012	0.211	pci/g dry wt.	2/28/1999
D2 D4	POOL	SEDIMENT	99.01244B 99.01216X	2/28/1999 12:20 2/28/1999 11:48	2/28/1999 12:20 2/28/1999 11:48	00386491Y 00387556C		GAMMA GAMMA	630 322	g dry wt. g dry wt.	0.7631 0.6491	0	Ba140 Ba140			0.211	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Bi212	0.59	0.15	0.412	pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Bi214	1.28	0.082		pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Co60			0.0266	pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Cs137	0.122	0.015	0.215	pci/g dry wt.	2/28/1999
D4 D4	POOL POOL	SEDIMENT SEDIMENT	99.01216X 99.01216X	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48 2/28/1999 11:48	00387556C 00387556C		GAMMA GAMMA	322 322	g dry wt. g dry wt.	0.6491 0.6491	0	I131 K40	18.5	11	0.315	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	POOL	SEDIMENT	99.01216X 99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Pa234m	1.4	1.1	1	pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Pb212	0.686	0.049		pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Pb214	1.41	0.087		pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C	<b> </b>	GAMMA	322	g dry wt.	0.6491	0	Ra224	0.55	0.3	ļ	pci/g dry wt.	2/28/1999
D4 D4	POOL POOL	SEDIMENT	99.01216X 99.01216X	2/28/1999 11:48 2/28/1999 11:48	2/28/1999 11:48	00387556C 00387556C		GAMMA GAMMA	322 322	g dry wt. g dry wt.	0.6491 0.6491	0	Ra226 Ra228	3.23 0.641	0.34 0.052	-	pci/g dry wt. pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	Th234	1.29	0.032		pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	T1208	0.213	0.019		pci/g dry wt.	2/28/1999
D4	POOL	SEDIMENT	99.01216X	2/28/1999 11:48	2/28/1999 11:48	00387556C		GAMMA	322	g dry wt.	0.6491	0	U235	0.193	0.02		pci/g dry wt.	2/28/1999
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W		GAMMA	649	g dry wt.	0.6614	0	Ba140	0.25	0.12	0.188	pci/g dry wt.	2/28/1999
D4 D4	NS NS	SEDIMENT SEDIMENT	99.01162A 99.01162A	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386368W 00386368W		GAMMA GAMMA	649 649	g dry wt. g dry wt.	0.6614	0	Bi212 Bi214	0.35 0.603	0.13 0.042	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	NS NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W	$\vdash$	GAMMA	649	g dry wt.	0.6614	0	Co60	0.003	0.042	0.0188	pci/g dry wt.	2/28/1999
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W		GAMMA	649	g dry wt.	0.6614	0	Cs137	0.0426	0.0092	2.2100	pci/g dry wt.	2/28/1999
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W		GAMMA	649	g dry wt.	0.6614	0	1131			0.107	pci/g dry wt.	2/28/1999
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W		GAMMA	649	g dry wt.	0.6614	0	K40	17.1	1		pci/g dry wt.	2/28/1999
D4	NS NC	SEDIMENT	99.01162A 99.01162A	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386368W 00386368W		GAMMA	649 649	g dry wt.	0.6614	0	Pa234m	0.358	0.029	<u> </u>	pci/g dry wt.	2/28/1999
D4 D4	NS NS	SEDIMENT	99.01162A 99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W 00386368W	$\vdash$	GAMMA GAMMA	649	g dry wt.	0.6614	0	Pb212 Pb214	0.358	0.029	1	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
		SEPTIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W		GAMMA	649	g dry wt.	0.6614	0	Ra226	1.3	0.043	1	pci/g dry wt.	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	<b>Lateral Distance</b>																	
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID 00386368W	QC	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D4 D4	NS NS	SEDIMENT SEDIMENT	99.01162A 99.01162A	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386368W		GAMMA GAMMA	649 649	g dry wt. g dry wt.	0.6614 0.6614	0	Ra228 Tl208	0.325 0.114	0.035		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	NS	SEDIMENT	99.01162A	2/28/1999 10:55	2/28/1999 10:55	00386368W		GAMMA	649	g dry wt.	0.6614	0	U235	0.079	0.015		pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	Ba140			0.164	pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	Bi212	0.247	0.092		pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	Bi214	0.545	0.038		pci/g dry wt.	2/28/1999
D4 D4	1	SEDIMENT SEDIMENT	99.01158E 99.01158E	2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386360M 00386360M		GAMMA GAMMA	627 627	g dry wt.	0.6632 0.6632	0	Co60 Cs137	0.0287	0.0072	0.0202	pci/g dry wt.	2/28/1999 2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	I131	0.0287	0.0072	0.089	pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	K40	14.7	0.89	0.007	pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	Pb212	0.284	0.026		pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	Pb214	0.592	0.04		pci/g dry wt.	2/28/1999
D4 D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M 00386360M		GAMMA	627	g dry wt.	0.6632	0	Ra226 Ra228	1.19	0.2		pci/g dry wt.	2/28/1999
D4 D4	1	SEDIMENT SEDIMENT	99.01158E 99.01158E	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386360M 00386360M		GAMMA GAMMA	627 627	g dry wt. g dry wt.	0.6632 0.6632	0	Th234	0.278 0.28	0.031		pci/g dry wt. pci/g dry wt.	2/28/1999
D4	1	SEDIMENT	99.01158E	2/28/1999 10:55	2/28/1999 10:55	00386360M		GAMMA	627	g dry wt.	0.6632	0	T1208	0.092	0.011		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Bi212	0.29	0.13		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Bi214	0.667	0.045		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Co60			0.0228	pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Cs137	0.05	0.01	0.102	pci/g dry wt.	2/28/1999
D4 D4	5	SEDIMENT	99.01160Y 99.01160Y	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386364R 00386364R	$\vdash$	GAMMA GAMMA	637 637	g dry wt.	0.7372	0	I131 K40	16.2	0.98	0.102	pci/g dry wt. pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R	$\vdash$	GAMMA	637	g dry wt.	0.7372	0	Pb212	0.387	0.98	<del>                                     </del>	pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Pb214	0.752	0.049		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Ra226	1.43	0.25		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	Ra228	0.36	0.036		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386364R		GAMMA	637	g dry wt.	0.7372	0	T1208	0.125	0.013		pci/g dry wt.	2/28/1999
D4 D4	5	SEDIMENT	99.01160Y 99.01160Y	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386364R 00386657C	DUP	GAMMA GAMMA	637	g dry wt. g dry wt.	0.7372 0.7372	0	U235 Ba140	0.086	0.015	0.257	pci/g dry wt. pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Bi212	0.38	0.15	0.237	pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Bi214	0.717	0.05		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Co60			0.0291	pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Cs137	0.052	0.013		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	I131			0.141	pci/g dry wt.	2/28/1999
D4 D4	5	SEDIMENT SEDIMENT	99.01160Y 99.01160Y	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386657C 00386657C	DUP	GAMMA GAMMA	637 637	g dry wt.	0.7372 0.7372	0	K40 Pb212	16.2 0.398	0.032		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Pb214	0.747	0.052		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Ra224	0.28	0.21		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Ra226	1.55	0.26		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	Ra228	0.401	0.041		pci/g dry wt.	2/28/1999
D4	5	SEDIMENT	99.01160Y	2/28/1999 10:55	2/28/1999 10:55	00386657C	DUP	GAMMA	637	g dry wt.	0.7372	0	T1208	0.118	0.015	0.102	pci/g dry wt.	2/28/1999
D4 D4	10	SEDIMENT	99.01160Y 99.01159F	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386364R 00386362P		GAMMA GAMMA	637 660	g dry wt. g dry wt.	0.7372 0.7095	0	Ba140 Ba140			0.193	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Bi212	0.45	0.11	0.138	pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Bi214	0.753	0.048		pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Co60			0.0149	pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Cs137	0.0576	0.0079		pci/g dry wt.	2/28/1999
D4 D4	10	SEDIMENT	99.01159F 99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P 00386362P	$\vdash$	GAMMA	660	g dry wt.	0.7095	0	I131 K40	16.4	0.98	0.0779	pci/g dry wt.	2/28/1999 2/28/1999
D4 D4	10 10	SEDIMENT SEDIMENT	99.01159F 99.01159F	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386362P 00386362P	$\vdash$	GAMMA GAMMA	660 660	g dry wt. g dry wt.	0.7095 0.7095	0	R40 Pa234m	16.4 1.32	0.98	-	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Pb212	0.478	0.033		pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Pb214	0.825	0.051	1	pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Ra224	0.32	0.17		pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P		GAMMA	660	g dry wt.	0.7095	0	Ra226	1.67	0.2	ļ	pci/g dry wt.	2/28/1999
D4 D4	10 10	SEDIMENT SEDIMENT	99.01159F 99.01159F	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386362P 00386362P		GAMMA GAMMA	660	g dry wt.	0.7095 0.7095	0	Ra228 Th234	0.46	0.035	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/28/1999
D4	10	SEDIMENT	99.01159F 99.01159F	2/28/1999 10:55	2/28/1999 10:55	00386362P 00386362P	$\vdash$	GAMMA	660	g dry wt.	0.7095	0	T1208	0.86	0.13	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Ba140	0.177	0.015	0.597	pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Bi212	0.71	0.31		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Bi214	1.6	0.11		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X	$\vdash \vdash$	GAMMA	296	g dry wt.	0.5185	0	Co60	0.115	0.021	0.0475	pci/g dry wt.	2/28/1999
D6 D6	NS NS	SEDIMENT SEDIMENT	99.01155B 99.01155B	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00387551X 00387551X		GAMMA GAMMA	296 296	g dry wt.	0.5185 0.5185	0	Cs137 I131	0.115	0.021	0.412	pei/g dry wt.	2/28/1999 2/28/1999
D6	NS NS	SEDIMENT	99.01155B 99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X 00387551X		GAMMA	296	g dry wt. g dry wt.	0.5185	0	K40	20.1	1.3	0.412	pci/g dry wt. pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Pa234m	3.1	2.7		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Pb212	0.983	0.069		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Pb214	1.7	0.11		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X	$\vdash \vdash$	GAMMA	296	g dry wt.	0.5185	0	Ra224	0.46	0.38		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Ra226	2.29	0.4	1	pci/g dry wt.	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance							_										
Location D6	(m) NS	Matrix SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	Analytical ID 00387551X	QC	GAMMA	Aliquot 296	Unit g dry wt.	Dry/Wet 0.5185	Ash/Dry 0	Analyte Ra228	Onc. 0.922	2*CSU 0.079	MDC	Unit pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	Th234	2.8	0.33		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	T1208	0.285	0.03		pci/g dry wt.	2/28/1999
D6	NS	SEDIMENT	99.01155B	2/28/1999 10:55	2/28/1999 10:55	00387551X		GAMMA	296	g dry wt.	0.5185	0	U235	0.139	0.024		pci/g dry wt.	2/28/1999
D6	1	SEDIMENT SEDIMENT	99.01164C 99.01164C	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00387553Z 00387553Z		GAMMA GAMMA	276 276	g dry wt. g dry wt.	0.5494 0.5494	0	Ba140 Bi212	0.58	0.17	0.467	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Bi214	1.27	0.082		pci/g dry wt.	2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Co60	1.27	0.002	0.032	pci/g dry wt.	2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Cs137	0.127	0.017		pci/g dry wt.	2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	I131	10.0	1.2	0.36	pci/g dry wt.	2/28/1999
D6 D6	1	SEDIMENT SEDIMENT	99.01164C 99.01164C	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00387553Z 00387553Z		GAMMA GAMMA	276 276	g dry wt. g dry wt.	0.5494 0.5494	0	K40 Pa234m	18.8	1.2		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Pb212	0.694	0.05		pci/g dry wt.	2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Pb214	1.36	0.086		pci/g dry wt.	2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Ra224	0.38	0.31		pci/g dry wt.	2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	Ra226	3.19	0.39		pci/g dry wt.	2/28/1999
D6 D6	1	SEDIMENT SEDIMENT	99.01164C 99.01164C	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00387553Z 00387553Z		GAMMA GAMMA	276 276	g dry wt. g dry wt.	0.5494 0.5494	0	Ra228 Th234	0.657	0.057		pci/g dry wt.	2/28/1999 2/28/1999
D6	1	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	T1208	0.223	0.23		pci/g dry wt. pci/g dry wt.	2/28/1999
D6	i	SEDIMENT	99.01164C	2/28/1999 10:55	2/28/1999 10:55	00387553Z		GAMMA	276	g dry wt.	0.5494	0	U235	0.191	0.023		pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Ba140			0.476	pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Bi212	0.55	0.16		pci/g dry wt.	2/28/1999
D6 D6	5	SEDIMENT SEDIMENT	99.01236B 99.01236B	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00387557D 00387557D		GAMMA GAMMA	282 282	g dry wt.	0.531	0	Bi214 Co60	1.19	0.078	0.0345	pci/g dry wt.	2/28/1999 2/28/1999
D6	5	SEDIMENT	99.01236B 99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt. g dry wt.	0.531	0	Co60 Cs137	0.11	0.016	0.0345	pci/g dry wt. pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	I131	0.11	0.010	0.35	pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	K40	19.7	1.2		pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Pa234m	3.1	1.6		pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Pb212	0.657	0.048		pci/g dry wt.	2/28/1999
D6 D6	5 5	SEDIMENT SEDIMENT	99.01236B 99.01236B	2/28/1999 12:20 2/28/1999 12:20	2/28/1999 12:20 2/28/1999 12:20	00387557D 00387557D		GAMMA GAMMA	282 282	g dry wt. g dry wt.	0.531 0.531	0	Pb214 Ra224	1.32 0.63	0.083		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Ra224	3.39	0.36		pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Ra228	0.604	0.056		pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	Th234	1.72	0.25		pci/g dry wt.	2/28/1999
D6	5	SEDIMENT	99.01236B	2/28/1999 12:20	2/28/1999 12:20	00387557D		GAMMA	282	g dry wt.	0.531	0	T1208	0.208	0.02		pci/g dry wt.	2/28/1999
D6 D6	5 10	SEDIMENT SEDIMENT	99.01236B 99.01230V	2/28/1999 12:20 2/28/1999 11:53	2/28/1999 12:20 2/28/1999 11:53	00387557D 00386463U		GAMMA GAMMA	282 540	g dry wt. g dry wt.	0.531 0.6295	0	U235 Ba140	0.206	0.022	0.279	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Be7	0.4	0.11	0.279	pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Bi212	0.67	0.15		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Bi214	1.23	0.078		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Co60			0.0283	pci/g dry wt.	2/28/1999
D6 D6	10 10	SEDIMENT SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386463U 00386463U		GAMMA GAMMA	540 540	g dry wt. g dry wt.	0.6295 0.6295	0	Cs137 I131	0.134	0.016	0.178	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	K40	19.5	1.2	0.178	pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Pa234m	3.2	1.3		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Pb212	0.737	0.051		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Pb214	1.33	0.083		pci/g dry wt.	2/28/1999
D6 D6	10 10	SEDIMENT SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386463U 00386463U		GAMMA GAMMA	540 540	g dry wt. g dry wt.	0.6295 0.6295	0	Ra223 Ra224	0.175 0.37	0.073		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Ra224	3.67	0.37		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U	ᆫᅥ	GAMMA	540	g dry wt.	0.6295	0	Ra228	0.679	0.055		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U		GAMMA	540	g dry wt.	0.6295	0	Th234	1.54	0.23		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U	$\vdash$	GAMMA	540	g dry wt.	0.6295	0	T1208	0.242	0.02		pci/g dry wt.	2/28/1999
D6 D6	10 10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386463U 00386659E	DUP	GAMMA GAMMA	540 540	g dry wt. g dry wt.	0.6295 0.6295	0	U235 Ba140	0.222	0.022	0.267	pci/g dry wt. pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Be7	0.295	0.084	0.207	pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Bi212	0.76	0.12		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Bi214	1.22	0.075		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Co60	0.147	0.014	0.0189	pci/g dry wt.	2/28/1999
D6 D6	10 10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53	2/28/1999 11:53 2/28/1999 11:53	00386659E 00386659E	DUP	GAMMA GAMMA	540 540	g dry wt. g dry wt.	0.6295 0.6295	0	Cs137 I131	0.147	0.014	0.182	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	K40	20.2	1.2	0.102	pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Pa234m	3.3	1.1		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Pb212	0.764	0.05		pci/g dry wt.	2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Pb214	1.35	0.082		pci/g dry wt.	2/28/1999
D6 D6	10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53 2/28/1999 11:53	2/28/1999 11:53	00386659E 00386659E	DUP	GAMMA GAMMA	540 540	g dry wt. g dry wt.	0.6295 0.6295	0	Ra224 Ra226	0.38 3.63	0.23		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D6	10	SEDIMENT	99.01230V 99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	Ra228	0.719	0.052		pci/g dry wt.	2/28/1999
										. 5 7 6.	0.6295							

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

	Lateral Distance		NA DEL ED	G 11 . G	6 11 . 12 .		00								*******	, me		
Location D6	(m) 10	Matrix SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	Analytical ID 00386659E	QC DUP	Procedure GAMMA	Aliquot 540	Unit g dry wt.	Dry/Wet 0.6295	Ash/Dry 0	Analyte T1208	O.243	2*CSU 0.018	MDC	Unit pci/g dry wt.	Res. Date 2/28/1999
D6	10	SEDIMENT	99.01230V	2/28/1999 11:53	2/28/1999 11:53	00386659E	DUP	GAMMA	540	g dry wt.	0.6295	0	U235	0.218	0.02		pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	Ba140			0.55	pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	Bi212	0.77	0.22		pci/g dry wt.	2/28/1999
D8 D8	NS NS	SEDIMENT SEDIMENT	99.01182E 99.01182E	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00387555B 00387555B	1	GAMMA GAMMA	333 333	g dry wt. g dry wt.	0.6641	0	Bi214 Co60	1.77	0.11	0.0357	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	Cs137	0.107	0.018	0.0337	pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	I131			0.374	pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	K40	13.5	0.86		pci/g dry wt.	2/28/1999
D8 D8	NS NS	SEDIMENT SEDIMENT	99.01182E 99.01182E	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00387555B 00387555B	1	GAMMA GAMMA	333 333	g dry wt. g dry wt.	0.6641 0.6641	0	Pb212 Pb214	0.707 1.91	0.056		pci/g dry wt.	2/28/1999 2/28/1999
D8	NS NS	SEDIMENT	99.01182E 99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B	-	GAMMA	333	g dry wt.	0.6641	0	Ra223	0.131	0.12		pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	Ra224	0.54	0.4		pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	Ra226	3.29	0.4		pci/g dry wt.	2/28/1999
D8	NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B		GAMMA	333	g dry wt.	0.6641	0	Ra228	0.648	0.062		pci/g dry wt.	2/28/1999
D8	NS NS	SEDIMENT SEDIMENT	99.01182E 99.01182E	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00387555B 00387555B	1	GAMMA GAMMA	333 333	g dry wt. g dry wt.	0.6641 0.6641	0	Th234 Tl208	1.32 0.209	0.22 0.022		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D8	NS NS	SEDIMENT	99.01182E	2/28/1999 11:00	2/28/1999 11:00	00387555B	+	GAMMA	333	g dry wt.	0.6641	0	U235	0.209	0.022		pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	Ba140	0.175	0.021	0.486	pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	Bi212	0.3	0.19		pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	Bi214	1.56	0.1		pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B 99.01163B	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00387552Y 00387552Y		GAMMA GAMMA	334 334	g dry wt.	0.6285	0	Co60 Cs137	0.041	0.022	0.0373	pci/g dry wt.	2/28/1999 2/28/1999
D8	1	SEDIMENT	99.01163B 99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y 00387552Y	+ +	GAMMA	334	g dry wt. g dry wt.	0.6285	0	I131	0.041	0.022	0.342	pci/g dry wt. pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	K40	13.9	0.9	0.342	pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	Pb212	0.51	0.04		pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	Pb214	1.72	0.11		pci/g dry wt.	2/28/1999
D8 D8	1	SEDIMENT	99.01163B 99.01163B	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55	00387552Y 00387552Y	1	GAMMA GAMMA	334 334	g dry wt.	0.6285 0.6285	0	Ra224 Ra226	0.43 2.5	0.28		pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B 99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y 00387552Y		GAMMA	334	g dry wt. g dry wt.	0.6285	0	Ra228	0.42	0.33		pci/g dry wt. pci/g dry wt.	2/28/1999
D8	1	SEDIMENT	99.01163B	2/28/1999 10:55	2/28/1999 10:55	00387552Y		GAMMA	334	g dry wt.	0.6285	0	T1208	0.164	0.047		pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	Ba140			0.185	pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	Bi212	0.29	0.13		pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R	<b>├</b>	GAMMA	710	g dry wt.	0.7859	0	Bi214	1.44	0.088	0.021	pci/g dry wt.	2/28/1999
D8 D8	5	SEDIMENT SEDIMENT	99.01156C 99.01156C	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386356R 00386356R		GAMMA GAMMA	710 710	g dry wt. g dry wt.	0.7859 0.7859	0	Co60 Cs137			0.021	pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	I131			0.104	pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	K40	14.3	0.87		pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	Pb212	0.397	0.032		pci/g dry wt.	2/28/1999
D8 D8	5	SEDIMENT	99.01156C 99.01156C	2/28/1999 10:55 2/28/1999 10:55	2/28/1999 10:55 2/28/1999 10:55	00386356R 00386356R	<b>├</b>	GAMMA GAMMA	710 710	g dry wt.	0.7859 0.7859	0	Pb214 Ra223	1.57 0.112	0.095		pci/g dry wt.	2/28/1999 2/28/1999
D8	5	SEDIMENT	99.01156C 99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt. g dry wt.	0.7859	0	Ra225	2.62	0.053		pci/g dry wt. pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	Ra228	0.371	0.036		pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	Rn219	0.068	0.056		pci/g dry wt.	2/28/1999
D8	5	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R		GAMMA	710	g dry wt.	0.7859	0	T1208	0.13	0.014		pci/g dry wt.	2/28/1999
D8	5 NS	SEDIMENT	99.01156C	2/28/1999 10:55	2/28/1999 10:55	00386356R 00386394Y	1	GAMMA	710 644	g dry wt.	0.7859 0.7361	0	U235	0.158	0.018	0.274	pci/g dry wt.	2/28/1999 2/28/1999
D10 D10	NS NS	SEDIMENT SEDIMENT	99.01181D 99.01181D	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386394Y 00386394Y	<del>     </del>	GAMMA GAMMA	644	g dry wt. g dry wt.	0.7361	0	Ba140 Bi212	0.3	0.14	0.274	pci/g dry wt. pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y	† †	GAMMA	644	g dry wt.	0.7361	0	Bi214	2.7	0.14		pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y		GAMMA	644	g dry wt.	0.7361	0	Co60			0.023	pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y	$oxed{oxed}$	GAMMA	644	g dry wt.	0.7361	0	Cs137	0.014	0.011	0.11	pci/g dry wt.	2/28/1999
D10 D10	NS NS	SEDIMENT SEDIMENT	99.01181D 99.01181D	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386394Y 00386394Y	<del>                                     </del>	GAMMA GAMMA	644 644	g dry wt.	0.7361 0.7361	0	I131 K40	12.3	0.76	0.16	pci/g dry wt.	2/28/1999 2/28/1999
D10	NS NS	SEDIMENT	99.01181D 99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y	<del>     </del>	GAMMA	644	g dry wt. g dry wt.	0.7361	0	Pa234m	2.8	1.3		pci/g dry wt. pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y		GAMMA	644	g dry wt.	0.7361	0	Pb212	0.441	0.036		pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y		GAMMA	644	g dry wt.	0.7361	0	Pb214	2.97	0.18		pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y	<b>↓</b>	GAMMA	644	g dry wt.	0.7361	0	Ra223	0.249	0.081		pci/g dry wt.	2/28/1999
D10 D10	NS NS	SEDIMENT SEDIMENT	99.01181D 99.01181D	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386394Y 00386394Y	1 - 1	GAMMA GAMMA	644 644	g dry wt. g dry wt.	0.7361 0.7361	0	Ra224 Ra226	0.22 4.61	0.31		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y	1	GAMMA	644	g dry wt.	0.7361	0	Ra228	0.374	0.42		pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y		GAMMA	644	g dry wt.	0.7361	0	T1208	0.132	0.015		pci/g dry wt.	2/28/1999
D10	NS	SEDIMENT	99.01181D	2/28/1999 11:00	2/28/1999 11:00	00386394Y		GAMMA	644	g dry wt.	0.7361	0	U235	0.271	0.025		pci/g dry wt.	2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U 00386390U	<b>   </b>	GAMMA	645	g dry wt.	0.7526	0	Ba140	0.20	0.14	0.343	pci/g dry wt.	2/28/1999
D10 D10	1	SEDIMENT	99.01179K 99.01179K	2/28/1999 11:00 2/28/1999 11:00	2/28/1999 11:00 2/28/1999 11:00	00386390U 00386390U	<del>├</del>	GAMMA GAMMA	645 645	g dry wt. g dry wt.	0.7526 0.7526	0	Bi212 Bi214	0.38 1.9	0.14 0.12		pci/g dry wt. pci/g dry wt.	2/28/1999 2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U	1 1	GAMMA	645	g dry wt.	0.7526	0	Co60	1.7	0.12	0.0309	pci/g dry wt.	2/28/1999
D10	i	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	Cs137	0.022	0.01		pci/g dry wt.	2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U	$ldsymbol{\square}$	GAMMA	645	g dry wt.	0.7526	0	I131			0.201	pci/g dry wt.	2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	K40	13.6	0.86	ļ	pci/g dry wt.	2/28/1999

Appendix 13. Total gamma radiation in soil and sediment from field sampling, February 1999.

Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	oc	Procedure	Aliquot	Unit	Drv/Wet	Ash/Drv	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U	QC	GAMMA	645	g dry wt.	0.7526	Asii/Di y	Pb212	0.489	0.037	MIDC	pci/g dry wt.	2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	Pb214	2.07	0.13		pci/g dry wt.	2/28/1999
D10	i	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	Ra224	0.55	0.29		pci/g dry wt.	2/28/1999
D10	i	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	Ra226	3.75	0.37		pci/g dry wt.	2/28/1999
D10	i	SEDIMENT	99 01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	Ra228	0.392	0.044		pci/g dry wt.	2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	T1208	0.4	0.25		pci/g dry wt.	2/28/1999
D10	1	SEDIMENT	99.01179K	2/28/1999 11:00	2/28/1999 11:00	00386390U		GAMMA	645	g dry wt.	0.7526	0	U235	0.147	0.017		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Ba140			0.356	pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Bi212	0.22	0.14		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Bi214	1.28	0.081		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Co60			0.0255	pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Cs137			0.0213	pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	I131			0.272	pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	K40	14	0.87		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Pb212	0.407	0.033		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Pb214	1.41	0.087		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Ra224	0.39	0.3		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Ra226	2.27	0.31		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	Ra228	0.352	0.04		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	T1208	0.118	0.015		pci/g dry wt.	2/28/1999
D10	5	SEDIMENT	99.01177H	2/28/1999 11:00	2/28/1999 11:00	00387554A		GAMMA	358	g dry wt.	0.7234	0	U235	0.138	0.019		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Ba140			0.218	pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Bi212	0.32	0.1		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Bi214	0.875	0.056		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Co60			0.0221	pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Cs137			0.0188	pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	I131			0.13	pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	K40	15	0.9		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Pb212	0.372	0.029		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Pb214	0.958	0.06		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Ra224	0.24	0.21		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Ra226	1.77	0.26		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Ra228	0.363	0.034		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	Th234	0.46	0.18		pci/g dry wt.	2/28/1999
D10	10	SEDIMENT	99.01180C	2/28/1999 11:00	2/28/1999 11:00	00386392W		GAMMA	692	g dry wt.	0.7421	0	T1208	0.124	0.012		pci/g dry wt.	2/28/1999

**Appendix 14.** Routine water quality from field, June 1999.

Date	Location	Strata (m)	Type of Sample	Temp (°C)	pН	Cond (mmhos/cm)	DO (mg/L)
Jun-99	HWY 191	midchannel	water	15.59	8.17	0.492	5.57
Jun-99	CHW	midchannel	water	16.69	8.13	0.510	5.61
Jun-99	UX	NS	water	15.70	8.18	0.490	5.22
Jun-99	UX	1	water	15.51	8.18	0.491	5.34
Jun-99	UX	5	water	15.26	8.18	0.490	6.20
Jun-99	UX	10	water	15.45	8.18	0.491	5.84
Jun-99	U4	NS	water	15.54	8.16	0.491	6.31
Jun-99	U4	1	water	15.55	8.15	0.492	6.20
Jun-99	U4	5	water	15.57	8.18	0.491	5.60
Jun-99	U4	10	water	15.53	8.18	0.490	5.61
Jun-99	E4	ns	water	14.97	8.20	0.478	5.91
Jun-99	E4	1	water	15.23	8.22	0.485	5.38
Jun-99	E4	5	water	14.98	8.23	0.486	5.53
Jun-99	E4	10	water	14.97	8.22	0.487	5.51
Jun-99	E10	NS	water	14.94	8.48	0.489	5.70
Jun-99	E10	1	water	15.39	8.22	0.487	5.11
Jun-99	E10	5	water	14.86	8.09	0.486	5.74
Jun-99	E10	10	water	14.84	8.21	0.486	6.36
Jun-99	MW	NS	water	15.77	8.19	0.490	6.37
Jun-99	MW	1	water	15.66	8.17	0.487	6.35
Jun-99	MW	5	water	15.44	8.18	0.332	5.51
Jun-99	MW	10	water	15.36	8.18	0.489	6.94
Jun-99	MW	BW	water	23.37	8.32	0.467	5.39
Jun-99	D2	NS	water	15.33	8.16	0.490	7.44
Jun-99	D2	1	water	15.26	8.19	0.490	6.54
Jun-99	D2	5	water	15.24	8.19	0.490	5.69
Jun-99	D2	10	water	15.26	8.18	0.478	5.55
Jun-99	D4	NS	water	15.27	8.17	0.490	6.35
Jun-99	D4	1	water	15.38	8.19	0.489	5.40
Jun-99	D4	5	water	15.23	8.19	0.465	5.57
Jun-99	D4	10	water	15.13	8.18	0.488	5.63
Jun-99	D6	NS	water	15.19	8.17	0.489	6.73
Jun-99	D6	1	water	15.26	8.20	0.489	5.38
Jun-99	D6	5	water	15.19	8.18	0.485	5.69
Jun-99	D6	10	water	15.15	8.20	0.486	5.49
Jun-99	D8	NS	water	15.27	8.19	0.488	6.02
Jun-99	D8	1	water	15.21	8.21	0.486	5.39
Jun-99	D8	5	water	15.15	8.22	0.487	7.25
Jun-99	D8	10	water	15.13	8.21	0.488	5.96
Jun-99	D10	NS	water	15.14	8.21	0.488	6.35
Jun-99	D10	1	water	15.10	8.19	0.488	6.03
Jun-99	D10	5	water	15.14	8.22	0.487	5.76
Jun-99	D10	10	water	15.07	8.21	0.488	5.46

Appendix 15. Routine water quality from field sampling, September 1999.

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Date	Location	Strata (m)	Type of Sample	Temp (°C)	pН	Turb (NTU)	Cond (mmhos/cm)	Sal (ppt)	DO (mg/L)	Lab pH	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L
Sep-99	HWY 191rep1	NS NS	water	19.4	8.35	352	0.88	0.5	6.29	8.49	164	CaCO <sub>3</sub> ) 340
Sep-99	HWY 191rep2	NS	water	18.6	8.33	NS	0.83	0.4	8.72	NS	NS NS	NS NS
Sep-99	HWY 191rep1	10	water	19.4	8.37	320	0.87	0.5	6.71	8.52	164	364
Sep-99	HWY 191rep2	10	water	18.1	8.30	NS	0.84	0.4	7.05	NS	NS	NS
Sep-99	CHW	soil	pore water	18.6	7.16	48	1.15	0.6	2.50	7.82	500	460
Sep-99	CHW	midchannel	water	18.9	8.30	272	0.81	0.4	6.54	8.32	66	140
Sep-99	discharge	NS	water	18.2	8.34	1480	0.84	0.4	7.36	8.31	138	310
Sep-99	discharge	5	water	18.0	8.34	1440	0.85	0.4	6.81	8.29	138	308
Sep-99	UX	soil	pore water	18.6	7.52	2760	3.58	1.9	4.75	7.74	472	1270
Sep-99	UX	NS	water	18.5	8.28	2360	0.87	0.5	9.16	8.26	142	320
Sep-99	UX	1	water	17.8	8.31	1760	0.85	0.4	7.18	8.31	140	314
Sep-99	UX	5	water	17.6	8.32	1600	0.84	0.4	7.64	8.28	140	308
Sep-99	UX U4	10	water	17.6	8.33 7.27	1560 2280	0.84 7.85	0.4 4.4	7.69	8.27	136 440	310 1490
Sep-99 Sep-99	U4	soil NS	pore water	18.2 17.9	8.07	2080	0.91	0.5	3.40 7.22	7.21 8.27	144	320
Sep-99 Sep-99	U4	1	water water	17.6	8.19	1620	0.86	0.3	7.10	8.29	148	324
Sep-99	U4	5	water	17.5	8.30	1660	0.85	0.4	7.63	8.48	142	308
Sep-99	U4	10	water	19.0	8.33	1420	0.58	0.3	6.60	8.30	138	310
Sep-99	E4	soil	pore water	17.3	7.94	25	0.93	0.5	5.22	7.88	148	395
Sep-99	E4	NS	water	19.9	8.37	300	0.84	0.5	6.71	8.29	152	336
Sep-99	E4	1	water	19.4	8.37	308	0.87	0.5	6.42	8.48	162	334
Sep-99	E4	5	water	19.1	8.35	300	0.87	0.5	7.38	8.47	142	352
Sep-99	E4	10	water	18.8	8.40	332	0.87	0.5	7.99	8.53	146	314
Sep-99	E10	soil	pore water	17.3	7.96	504	0.89	0.5	5.91	7.55	148	310
Sep-99	E10	NS	water	19.9	8.28	672	0.87	0.5	5.75	8.40	174	352
Sep-99	E10	1	water	19.5	8.31	488	0.87	0.5	6.17	8.52	164	336
Sep-99	E10	5	water	21.6	8.31	324	0.85	0.4	6.69	8.54	160	338
Sep-99	E10	10	water	19.4	8.35	328	0.88	0.5	6.64	8.71	166	344
Sep-99	MW-VE	1	pore water	27.2	7.15	NS	0.24	0.1	0.78	NS	NS	NS
Sep-99	MW	soil	pore water	17.3	7.20	28	1.47	8.5	4.09	7.48	796	3750
Sep-99	MW MW	NS	water	23.7	8.37 8.34	880 132	1.66 1.31	0.9	9.71 7.92	8.56 8.47	194 154	NS 370
Sep-99 Sep-99	MW	5	water water	21.4	8.34	180	1.08	0.6	6.82	8.44	160	380
Sep-99	MW	10	water	18.6	8.35	364	0.89	0.5	7.06	8.55	164	352
Sep-99	D2	soil	pore water	18.8	7.26	42	2.41	14.6	4.27	7.58	1168	5200
Sep-99	D2	bank	water	20.4	7.97	NS	2.09	12.5	4.52	NS	NS	NS
Sep-99	D2	NS	water	19.1	8.43	132	0.90	0.5	7.57	8.56	144	336
Sep-99	D2	1	water	18.9	8.42	140	0.89	0.5	7.27	8.58	164	338
Sep-99	D2	5	water	18.2	8.42	720	0.87	0.5	7.07	8.53	200	386
Sep-99	D2	10	water	17.8	8.42	536	0.86	0.4	7.52	8.54	172	356
Sep-99	D4	soil	pore water	17.6	7.23	23	2.12	12.8	4.11	7.70	996	4560
Sep-99	D4	NS	water	19.0	8.23	320	1.20	0.6	8.62	8.27	172	392
Sep-99	D4	1	water	18.1	8.27	384	0.93	0.5	7.87	8.41	190	362
Sep-99	D4	5	water	17.7	8.40	392	0.87	0.5	7.89	8.54	158	332
Sep-99 Sep-99	D4 D6	10 soil	water pore water	17.6 17.0	8.42 7.14	236 11	0.87 2.10	0.5 12.6	7.89 2.84	8.49 7.44	160 1064	342 5440
Sep-99 Sep-99	D6	NS	pore water water	18.0	8.39	224	0.91	0.5	7.62	8.51	154	338
Sep-99	D6	1	water	17.7	8.38	316	0.90	0.5	7.93	8.52	156	338
Sep-99	D6	5	water	17.6	8.40	284	0.88	0.5	7.91	8.55	160	340
Sep-99	D6	10	water	17.6	8.43	292	0.87	0.5	7.83	8.49	160	330
Sep-99	D8	soil	pore water	17.5	7.57	39	3.45	1.9	3.91	7.62	276	1450
Sep-99	D8	NS	water	17.9	8.28	296	0.86	0.5	7.17	8.57	158	344
Sep-99	D8	1	water	17.5	8.35	272	0.90	0.5	7.99	8.57	178	370
Sep-99	D8	5	water	17.5	8.41	260	0.88	0.5	7.96	8.58	156	330
Sep-99	D8	10	water	17.5	8.43	256	0.87	0.5	7.90	8.58	160	338
Sep-99	D10	soil	pore water	17.8	7.79	47	1.04	0.5	5.70	7.80	156	390
Sep-99	D10	NS	water	19.6	8.34	232	0.87	0.5	6.55	8.34	160	356
Sep-99	D10	1	water	19.2	8.34	400	0.83	0.5	6.46	8.26	124	282
Sep-99	D10	5	water	19.1	8.35	336	0.88	0.5	7.53	8.25	140	340
Sep-99	D10	10	water	18.9	8.35	316	0.87	0.5	6.87	8.54	156	328

Date	Location	Strata (m)	Type of Sample	Temp (°C)	pН	Cond (mmhos/cm)	Sal (ppt)	DO (mg/L)	Turb (NTU)	Lab pH	Alk (mg/L CaCO <sub>2</sub> )	Hard (mg/L CaCO <sub>3</sub> )	Total ammonia (mg/L as N)	Unionized Ammonia (mg/L as N)
Feb-00	Hwv191	pore water	pore water	7.53	7.45	4.050	2.20	2.30	35.0	7.56	1100	600	0.9	0.00
Feb-00	Hwy191	NS	water	6.15	7.98	1.189	0.60	8.14	63.0	8.21	116	500	0.8	0.01
Feb-00	CHW	pore water	pore water	6.93	7.27	4.010	2.20	4.24	250.0	7.16	580	1600	3.1	0.01
Feb-00	CHW	midchannnel	water	8.11	7.91	1.151	0.60	8.63	17.0	8.40	228	390	0.0	0.00
Feb-00	discharge	pore water	pore water	8.58	7.69	7.690	4.30	2.77	62.0	7.75	380	1260	0.3	0.00
Feb-00	discharge	NS	water	6.61	8.11	1.210	0.60	8.96	135.0	8.28	170	340	0.2	0.00
Feb-00	UX	pore water	pore water	9.72	7.50	2.620	1.40	4.07	25.0	7.58	456	1040	63.6	0.36
Feb-00	UX	NS	water	6.69	7.91	1.211	0.60	9.03	160.0	8.24	162	322	0.9	0.01
Feb-00 Feb-00	UX UX	5	water	6.27	8.18 8.26	1.206 1.189	0.60	9.00 9.22	130.0 140.0	8.30 8.32	158 170	320 322	0.3	0.01
Feb-00	UX	10	water water	5.89	8.43	1.174	0.60	9.22	112.0	8.31	160	336	0.4	0.00
Feb-00	U4	pore water	pore water	8.27	7.44	7.860	4.40	2.15	160.0	7.76	680	1360	47.8	0.01
Feb-00	U4	NS	water	6.06	7.95	1.262	0.70	8.39	170.0	8.22	170	344	0.4	0.00
Feb-00	U4	1	water	5.94	8.16	1.201	0.60	8.06	170.0	8.28	162	327	1.0	0.02
Feb-00	U4	5	water	6.09	8.37	1.184	0.60	8.68	130.0	8.33	160	328	0.2	0.01
Feb-00	U4	10	water	6.10	8.33	1.179	0.60	8.98	135.0	8.30	160	322	0.1	0.00
Feb-00	U2	pore water	pore water	9.87	7.18	14.260	8.30	2.95	16.0	7.34	1040	2750	176.7	0.49
Feb-00	U2	NS	water	7.42	7.84	1.238	0.70	8.41	205.0	8.14	180	346	1.2	0.01
Feb-00	E4	pore water	pore water	6.30	8.19	1.640	0.90	4.74	13.0	8.18	360	278	1.3	0.03
Feb-00 Feb-00	E4 E4	NS	water	6.01 5.97	8.29 8.34	1.328 1.318	0.70	8.53 8.06	42.0 26.0	8.30 8.32	158 158	326 328	0.2	0.01 0.01
Feb-00	E4 E4	5	water water	6.16	8.36	1.313	0.70	7.97	10.0	8.32	158	324	0.2	0.01
Feb-00	E4	10	water	5.86	8.38	1.202	0.70	8.65	98.0	8.30	160	320	0.1	0.00
Feb-00	E10	pore water	pore water	7.78	7.77	0.835	NS	3.18	43.0	7.72	230	268	1.2	0.00
Feb-00	E10	NS	water	6.39	7.92	1.212	NS	8.64	135.0	8.27	168	325	0.2	0.00
Feb-00	E10	1	water	5.97	8.13	1.220	NS	8.78	88.0	8.27	162	320	0.3	0.00
Feb-00	E10	5	water	6.43	8.37	1.180	0.60	8.46	115.0	8.31	156	318	0.4	0.01
Feb-00	E10	10	water	5.80	8.39	1.184	0.60	8.20	125.0	8.33	158	320	0.2	0.01
Feb-00	MW	pore water	pore water	7.62	7.51	15.400	8.90	5.96	67.0	7.80	840	4360	331.6	1.65
Feb-00	MW	NS	water	6.40	7.90	1.362	0.70	7.79	160.0	8.16	166	359	19.1	0.21
Feb-00	MW	1	water	6.41	8.08	1.265	0.70	7.67	140.0	8.25	164	350	2.4	0.04
Feb-00	MW	5	water	6.43	8.17	1.209	0.60	8.28	135.0	8.32	168	340	0.4	0.01
Feb-00 Feb-00	MW MW(in wash)	10	water	6.46 7.99	8.28 7.22	1.195 14.200	0.60 8.20	7.83 2.31	135.0 2.0	8.31 7.45	160 790	326 358	0.3 NS	0.01 NS
Feb-00	D2	pore water	pore water	8.36	7.00	17.600	10.30	2.79	8.4	7.43	780	3900	602.4	0.98
Feb-00	D2	NS NS	water	6.58	7.80	1.284	0.70	7.85	125.0	8.24	162	340	2.0	0.02
Feb-00	D2	1	water	6.56	8.09	1.232	0.60	8.10	260.0	8.16	196	396	1.4	0.02
Feb-00	D2	5	water	6.56	8.18	1.221	0.60	8.38	125.0	8.28	162	330	0.8	0.02
Feb-00	D2	10	water	6.56	8.24	1.206	0.60	8.01	110.0	8.30	162	328	0.6	0.01
Feb-00	D4	pore water	pore water	11.29	6.83	19.000	11.20	1.03	16.0	7.26	880	5350	710.1	0.99
Feb-00	D4	NS	water	9.49	7.99	1.920	1.00	8.77	62.0	8.08	168	408	18.5	0.32
Feb-00	D4	1	water	8.68	8.16	1.720	0.90	8.78	63.0	8.18	172	398	16.8	0.40
Feb-00	D4	5	water	7.05	8.22	1.349	0.70	8.46	93.0	8.11	172	338	4.7	0.11
Feb-00 Feb-00	D4 D6	10 pore water	water pore water	6.79 10.46	8.27 7.02	1.224 20.200	0.60 12.00	7.67 2.66	97.0 4.9	8.08 7.21	162 1300	336 4780	1.0 704.6	0.02 1.42
Feb-00	D6	NS NS	water water	11.04	7.02	2.610	1.40	8.10	41.0	7.21	374	512	41.4	0.56
Feb-00	D6	1	water	11.19	7.99	2.060	1.10	8.96	95.0	8.01	180	462	15.1	0.30
Feb-00	D6	5	water	10.08	8.19	1.750	0.90	9.02	57.0	7.45	550	6250	1530.1	43.18
Feb-00	D6	10	water	9.10	8.24	1.458	0.50	8.73	74.0	8.12	213	412	6.7	0.20
Feb-00	D8	pore water	pore water	7.85	8.00	1.820	1.00	5.15	6.2	7.70	172	432	16.7	0.26
Feb-00	D8	NS	water	9.30	8.00	2.100	1.10	8.03	110.0	8.02	182	454	27.9	0.48
Feb-00	D8	1	water	9.21	8.03	2.080	1.10	8.36	120.0	8.23	188	446	27.9	0.51
Feb-00	D8	5	water	7.16	8.18	1.274	0.70	8.41	140.0	8.26	164	336	1.0	0.02
Feb-00	D8	10	water	6.76	8.24	1.210	0.60	8.21	130.0	8.26	160	328	0.4	0.01
Feb-00	D10	pore water	pore water	9.89	7.19	20.400	12.20	2.93	6.7	7.48	1000	5780	303.1	0.86
Feb-00	D10	NS	water	7.43	7.87	1.449	0.80	8.82	140.0	8.26	178	350	5.2	0.06
Feb-00 Feb-00	D10 D10	5	water	7.39	8.07 8.20	1.406 1.278	0.70	8.71 8.33	175.0 140.0	8.12 8.25	174 168	376 336	5.2 2.5	0.09
Feb-00	D10 D10	10	water water	7.24	8.20	1.278	0.70	8.33 8.45	140.0	8.25	164	336	0.5	0.06
Feb-00	D10	pore water	pore water	8.96	7.86	1.710	0.00	3.68	12.0	8.07	428	464	1.3	0.01
1 00-00	D13	pore water	pore water	0.70	7.00	1./10	0.70	5.00	14.0	0.07	720	704	1.3	0.02

**Appendix 16.** Routine water quality from field sampling, February 2000.

Date	Location	Strata (m)	Type of Sample	Temp (°C)	pН	Cond (mmhos/cm)	Sal (ppt)	DO (mg/L)	Turb (NTU)	Lab pH	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )	Total ammonia (mg/L as N)	Unionized Ammonia (mg/L as N)
Feb-00	D15	NS	water	8.17	8.18	1.362	0.70	8.55	140.0	8.29	162	342	1.3	0.03
Feb-00	D20	pore water	pore water	7.97	7.78	3.020	1.60	4.11	55.0	7.82	322	720	0.4	0.00
Feb-00	D20	NS	water	7.16	8.04	1.463	0.80	8.67	125.0	8.30	166	340	1.2	0.02

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	ıalifiei		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	!	Q						
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7429-90-5	Aluminum	8.27		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE	A0.01025Q	2/23/2000	WATER	7440-36-0	Antimony	0.15		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-38-2	Arsenic	2.71		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-39-3	Barium	124.00		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-41-7	Beryllium	0.01		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-43-9	Cadmium	0.02		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-70-2	Calcium	84200.00				7/21/2000	RW	3051/6020	NA	None	
		ATLAS MILL								_							
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-47-3	Chromium	0.67		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-48-4	Cobalt	0.16		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-50-8	Copper	2.26		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7439-89-6	Iron	188.00				7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE	A0.01025Q	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7439-95-4	Magnesium	39000.00				7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7439-96-5	Manganese	76.40				7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-02-0	Nickel	1.48		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	ATLAS MILL SITE	A0.01025Q	2/23/2000	WATER	7440-02-0	Potassium	5080.00				7/17/2000	RW	3051/6020	NA		
		ATLAS MILL														None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-22-4	Silver	0.35		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-23-5	Sodium	94700.00				7/21/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-28-0	Thallium	0.16		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE ATLAS MILL	A0.01025Q	2/23/2000	WATER	7440-62-2	Vanadium	1.44		В		7/17/2000	RW	3051/6020	NA	None	
CHW	NS	SITE	A0.01025Q	2/23/2000	WATER	7440-66-6	Zinc	8.39		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7429-90-5	Aluminum	9.91		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7440-36-0	Antimony	0.07	U	В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7440-38-2	Arsenic	7.74		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7440-39-3	Barium	72.80		В		7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-70-2	Calcium	292000.00				7/19/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-47-3	Chromium	1.79	$\vdash$	В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-48-4	Cobalt	0.64		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE	A0.01024P	2/23/2000	WATER	7440-50-8	Copper	3.35		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7439-89-6	Iron	14100.00				7/17/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample		1												
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(	2	Q						
CHW	Soil Pore	SITE	A0.01024P	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7439-95-4	Magnesium	108000.00				7/19/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7439-96-5	Manganese	4630.00				7/21/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7440-02-0	Nickel	3.12		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7440-09-7	Potassium	7670.00				7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	ATLAS MILL SITE	A0.01024P	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL							0	_							
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-22-4	Silver	0.05		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-23-5	Sodium	440000.00				7/19/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-62-2	Vanadium	2.49		В		7/17/2000	RW	3051/6020	NA	None	
CHW	Soil Pore	SITE ATLAS MILL	A0.01024P	2/23/2000	WATER	7440-66-6	Zinc	16.80		В		7/17/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE ATLAS MILL	A0.01006M	2/23/2000	WATER	7429-90-5	Aluminum	2.24		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE	A0.01006M	2/23/2000	WATER	7440-36-0	Antimony	0.21		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-39-3	Barium	67.60		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-43-9	Cadmium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-70-2	Calcium	81300.00				7/14/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-48-4	Cobalt	0.37	0	В		7/13/2000	RW	3051/6020	NA NA	None	
HWY 191		ATLAS MILL															
HWY 191	NS	SITE ATLAS MILL	A0.01006M	2/23/2000	WATER	7440-50-8	Copper	4.16		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE ATLAS MILL	A0.01006M	2/23/2000	WATER	7439-89-6	Iron	166.00				7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE ATLAS MILL	A0.01006M	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE ATLAS MILL	A0.01006M	2/23/2000	WATER	7439-95-4	Magnesium	28000.00				7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE ATLAS MILL	A0.01006M	2/23/2000	WATER	7439-96-5	Manganese	10.70		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	SITE	A0.01006M	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-02-0	Nickel	1.36		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-09-7	Potassium	3960.00		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7782-49-2	Selenium	8.75				7/14/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-22-4	Silver	0.82		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-23-5	Sodium	133000.00				7/14/2000	RW	3051/6020	NA	None	
HWY 191	NS	ATLAS MILL SITE	A0.01006M	2/23/2000	WATER	7440-28-0	Thallium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
HWY 191	NS	SITE	A0.01006M	2/23/2000	WATER	7440-62-2	Vanadium	1.62		В		7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Segrit D	Client		Project	NAREL Sample						I								
1987   19   19   19   19   19   19   19   1	Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	alifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
10   10   10   10   10   10   10   10			ATT 10 MILE							С		Q						
1971   1971	HWY 191	NS	SITE	A0.01006M	2/23/2000	WATER	7440-66-6	Zinc	0.44		В		7/13/2000	RW	3051/6020	NA	None	
INVY   10   Internation   In	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7429-90-5	Aluminum	1.65		В		7/13/2000	RW	3051/6020	NA	None	
	HWY 191	Soil Pore		A0 01007N	2/23/2000	WATER	7440-36-0	Antimony	0.18		В		7/13/2000	RW	3051/6020	NA	None	
PRY   19    Col   10    Col   10    Col			ATLAS MILL															
1907 191   Sol Pec   WIE   MODIFY   223200   WATE   7440-13   Septima   0.0			ATLAS MILL								D							
INV   91   Sul Pec   Sul			ATLAS MILL															
ITEV 191   Sed Pee   STEE   A60007N   2222000   WATER   740470   Closure   180000   D   7142000   RW   3651402   NA   None	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7440-41-7	Beryllium	0.03		В		7/13/2000	RW	3051/6020	NA	None	
HWY 99   Soli Pec	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7440-43-9	Cadmium	0.04		В		7/13/2000	RW	3051/6020	NA	None	
19V 19   Sal Pec   SITE   A0,0007N   221,2000   WATER   7460-74   Chemum   2.41   B   711,2000   RW   3851,0020   NA   Noce	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-70-2	Calcium	180000.00				7/14/2000	RW	3051/6020	NA	None	
18V 19   Sel Poe	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-47-3	Chromium	2.41		В		7/13/2000	RW	3051/6020	NA	None	
19W 7 9	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-48-4	Cobalt	0.84		В		7/13/2000	RW	3051/6020	NA	None	
INV   91   Sell Pec   SITE   AB   0.0107N   223/2000   WATER   7439/8-6   Ino   1590/00   P.   711/2000   RW   361/6020   NA   None	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-50-8	Copper	4.13		В		7/13/2000	RW	3051/6020	NA	None	
INV 191   Sail Prec   STE   A0.0107N   2.23.2000   WATER   7459-65-4   Lead   0.16   B   7/13/2000   RW   3051/0020   NA   None   Nam	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7439-89-6	Iron	1590.00				7/13/2000	RW	3051/6020	NA	None	
INV 19   Soil Poe		Soil Pore					7439-92-1	Lead	0.16		В				3051/6020		None	
HWY 191   Soil Proc			ATLAS MILL															
HWY 191   Soil Poet   STE   A00107N   2/23/2000   WATER   743/9-7-6   Moccary   0.03   U   3/7/2000   RW   3			ATLAS MILL															
HWY 191   Soil Pore   STE   A0 01007N   2/23/2000   WATER   7440-92-0   Nickel   2.78   B   7/13/2000   RW   3051/6/20   NA   None   STE   A0 01007N   2/23/2000   WATER   7440-97-7   Potassium   10/00.00   7/13/2000   RW   3051/6/20   NA   None   STE   A0 01007N   2/23/2000   WATER   7440-97-7   Potassium   10/00.00   7/13/2000   RW   3051/6/20   NA   None   STE   A0 01007N   2/23/2000   WATER   7440-97-7   Potassium   12.50   Told   Tol			ATLAS MILL															
HWY 191   Soil Pore   STIE   A0.01007N   223/2000   WATER   7440-09-7   Possssium   10700.00   7/13/2000   RW   3051/6020   NA   None   ATLAS MILL   HWY 191   Soil Pore   STIE   A0.01007N   223/2000   WATER   7440-22-4   Silver   0.26   B   7/13/2000   RW   3051/6020   NA   None   ATLAS MILL   HWY 191   Soil Pore   STIE   A0.01007N   223/2000   WATER   7440-23-5   Sodium   Sol0000   T/14/2000   RW   3051/6020   NA   None   ATLAS MILL   A0.01007N   223/2000   WATER   7440-28-0   Thallism   0.01   U   7/13/2000   RW   3051/6020   NA   None   ATLAS MILL   A0.01007N   223/2000   WATER   7440-66-6   Zinc   3.48   B   7/13/2000   RW   3051/6020   NA   None   ATLAS MILL   AVERAGE		Soil Pore		A0.01007N		WATER	7439-97-6	Mercury		U					7471A	NA	None	
HWY 191   Soil Pore   SITE   A0 01007N   2232000   WATER   7782-49-2   Selentium   12.50     7/14/2000   RW   3051/6020   NA   None   ATLAS MILL   WATER   NA   None   ATLAS MILL   WATER   A0 01007N   2232000   WATER   7440-82-4   Silver   0.26   B   7/13/2000   RW   3051/6020   NA   None   ATLAS MILL   WATER   NA   NA   None   ATLAS MILL   WATER   NA   NA   NA   None   ATLAS MILL   WATER   NA   NA   NA   NA   NA   NA   NA   N	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7440-02-0	Nickel	2.78		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191   Soil Pote   STE   A.0.01007N   Z-23/2000   WATER   778/249-2   Selentum   12.50	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7440-09-7	Potassium	10700.00				7/13/2000	RW	3051/6020	NA	None	
HWY 19   Soil Poor   SITE   A0.01007N   2/23/2000   WATER   7440-224   Siver   0.26   B   7/13/2000   RW   3051/0020   NA   None	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7782-49-2	Selenium	12.50				7/14/2000	RW	3051/6020	NA	None	
HWY 191   Soil Porc   SITE   A001007N   2/23/2000   WATER   7/440-23-5   Sodium   S8000.00   7/14/2000   RW   3051/6020   NA   None	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-22-4	Silver	0.26		В		7/13/2000	RW	3051/6020	NA	None	
HWY 191   Soil Pore   SITE   A0.01007N   2232000   WATER   7440-28-0   Thallium   0.01   U   7/132000   RW   3051/6020   NA   None	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-23-5	Sodium	580000.00				7/14/2000	RW	3051/6020	NA	None	
HWY 191   Soil Pore   SITE	HWY 191	Soil Pore	SITE	A0.01007N	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/13/2000	RW	3051/6020	NA	None	
HWY 191   Soil Pore   ATLAS MILL   UX   NS   SITE   A0.01031N   223/2000   WATER   7440-66-6   Zinc   3.48   B   7/13/2000   RW   3051/6020   NA   None   NA   None   NA   None   NA   None   NA   NA   None   NA   NA   NA   NA   NA   NA   NA   N	HWY 191	Soil Pore		A0.01007N	2/23/2000	WATER	7440-62-2	Vanadium	3.34		В		7/13/2000	RW	3051/6020	NA	None	
ATLAS MILL   A0.01031N   2/23/2000   WATER   7429-90-5   Aluminum   9.13   B   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL															
UX			ATLAS MILL															
UX			ATLAS MILL															
UX			ATLAS MILL					Ĭ		$\vdash$								
UX			ATLAS MILL															
UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-41-7         Beryllium         0.01         U         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-43-9         Cadmium         0.03         B         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-70-2         Calcium         78600.00         7/21/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-47-3         Chromium         0.57         U         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-47-3         Chromium         0.57         U         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-48-4         Cobalt         0.16	UX	NS		A0.01031N	2/23/2000	WATER	7440-39-3	Barium	70.50		В	$\vdash$	7/18/2000	RW	3051/6020	NA	None	
UX         NS         SITE A0.01031N         2/23/2000         WATER         7440-43-9         Cadmium         0.03         B         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE A0.01031N         2/23/2000         WATER         7440-70-2         Calcium         78600.00         7/21/2000         RW         3051/6020         NA         None           UX         NS         SITE A0.01031N         2/23/2000         WATER         7440-47-3         Chromium         0.57         U         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE A0.01031N         2/23/2000         WATER         7440-48-4         Cobalt         0.16         B         7/18/2000         RW         3051/6020         NA         None	UX	NS	SITE	A0.01031N	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-70-2         Calcium         78600.00         7/21/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-47-3         Chromium         0.57         U         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-48-4         Cobalt         0.16         B         7/18/2000         RW         3051/6020         NA         None	UX	NS	SITE	A0.01031N	2/23/2000	WATER	7440-43-9	Cadmium	0.03		В		7/18/2000	RW	3051/6020	NA	None	
UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-47-3         Chromium         0.57         U         7/18/2000         RW         3051/6020         NA         None           UX         NS         SITE         A0.01031N         2/23/2000         WATER         7440-48-4         Cobalt         0.16         B         7/18/2000         RW         3051/6020         NA         None	UX	NS	SITE	A0.01031N	2/23/2000	WATER	7440-70-2	Calcium	78600.00				7/21/2000	RW	3051/6020	NA	None	
UX NS SITE A0.01031N 2/23/2000 WATER 7440-48-4 Cobalt 0.16 B 7/18/2000 RW 3051/6020 NA None	UX	NS	SITE	A0.01031N	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
ATLAS MILL	UX	NS	SITE	A0.01031N	2/23/2000	WATER	7440-48-4	Cobalt	0.16		В		7/18/2000	RW	3051/6020	NA	None	
UX NS SITE A0.01031N 2/23/2000 WATER 7440-50-8 Copper 1.72 B 7/18/2000 RW 3051/6020 NA None	UX	NS		A0.01031N	2/23/2000	WATER	7440-50-8	Copper	1.72		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample		l				1								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifier	·s	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	:	Q						
UX	NS	SITE	A0.01031N	2/23/2000	WATER	7439-89-6	Iron	126.00				7/18/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7439-95-4	Magnesium	30900.00				7/18/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7439-96-5	Manganese	15.20				7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7439-90-5			U								
UX	NS	SITE ATLAS MILL	A0.01031N	2/23/2000	WATER		Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
UX	NS	SITE ATLAS MILL	A0.01031N	2/23/2000	WATER	7440-02-0	Nickel	1.62		В		7/18/2000	RW	3051/6020	NA	None	
UX	NS	SITE ATLAS MILL	A0.01031N	2/23/2000	WATER	7440-09-7	Potassium	4260.00		В		7/18/2000	RW	3051/6020	NA	None	
UX	NS	SITE ATLAS MILL	A0.01031N	2/23/2000	WATER	7782-49-2	Selenium	5.54				7/18/2000	RW	3051/6020	NA	None	
UX	NS	SITE	A0.01031N	2/23/2000	WATER	7440-22-4	Silver	0.20		В		7/18/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7440-23-5	Sodium	122000.00				7/21/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7440-28-0	Thallium	0.14		В		7/18/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7440-62-2	Vanadium	2.44		В		7/18/2000	RW	3051/6020	NA	None	
UX	NS	ATLAS MILL SITE	A0.01031N	2/23/2000	WATER	7440-66-6	Zinc	5.44		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7429-90-5	Aluminum	22.00		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7440-36-0	Antimony	0.64		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7440-38-2	Arsenic	122.00				7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7440-39-3	Barium	85.80		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE	A0.01032P	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7440-43-9	Cadmium	0.11		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7440-70-2	Calcium	171000.00				7/21/2000	RW	3051/6020	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7440-47-3	Chromium	0.81		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7440-48-4		0.68		В		7/18/2000	RW	3051/6020	NA		
		ATLAS MILL					Cobalt									None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7440-50-8	Copper	5.09		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7439-89-6	Iron	290.00				7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7439-95-4	Magnesium	101000.00				7/24/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE	A0.01032P	2/23/2000	WATER	7439-96-5	Manganese	530.00				7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7440-02-0	Nickel	4.23		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7440-09-7	Potassium	11200.00				7/18/2000	RW	3051/6020	NA	None	
UX		ATLAS MILL SITE	A0.01032P	2/23/2000	WATER	7782-49-2		12.30				7/18/2000	RW	3051/6020			
	Soil Pore	ATLAS MILL					Selenium			_					NA NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7440-22-4	Silver	0.34		В		7/18/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE ATLAS MILL	A0.01032P	2/23/2000	WATER	7440-23-5	Sodium	258000.00		-		7/21/2000	RW	3051/6020	NA	None	
UX	Soil Pore	SITE	A0.01032P	2/23/2000	WATER	7440-28-0	Thallium	0.14		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

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IX   Seal Peac   ATLAS MILL   AG01023P   221-2000   WATER   7440-64-6   Zinc	Comments
UK   Sol Poe   STEE   A0.01057P   222,000   WATER   7440-56-0   Zone	
UN	
UX	
1	
ATLAS MILL   AD 61030M   2232000   WATER   7440-39-3   Barism   62.00   B   7182000   RW   30514020   NA   None	
Table	
Color	
ATLAS MILL   AD   AD   AD   AD   AD   AD   AD	
LIX	
Name	
UX	
ATLAS MILL	
UX	
ATLAS MILL   SITE   A0.01030M   2/23/2000   WATER   7439-97-6   Mercury   0.03   U   3.09/2000   RW   7471A   NA   None   None   NA   None   NA   None   NA   None   NA   None   NA   None   NA   None   NA   Na   Na   Na   Na   Na   Na   Na	
ATLAS MILL   UX	
ATLAS MILL   SITE   A0.01030M   2/23/2000   WATER   7440-09-7   Potassium   4040.00   B   7/18/2000   RW   3051/6020   NA   None	
ATLAS MILL   SITE   A0.01030M   2/23/2000   WATER   7782-49-2   Selenium   3.75   B   7/18/2000   RW   3051/6020   NA   None	
UX	
UX	
UX   1   SITE   A0.01030M   2/23/2000   WATER   7440-23-5   Sodium   125000.00   7/21/2000   RW   3051/6020   NA   None	
UX   1   SITE   A0.01030M   2/23/2000   WATER   7440-28-0   Thallium   0.13   B   7/18/2000   RW   3051/6020   NA   None	
UX   1   SITE   A0.01030M   2/23/2000   WATER   7440-62-2   Vanadium   5.35   B   7/18/2000   RW   3051/6020   NA   None	
UX 1 SITE A0.01030M 2/23/2000 WATER 7440-66-6 Zinc 25.40 7/18/2000 RW 3051/6020 NA None  UX 5 SITE A0.01029V 2/23/2000 WATER 7429-90-5 Aluminum 16.40 B 7/18/2000 RW 3051/6020 NA None  UX 5 SITE A0.01029V 2/23/2000 WATER 7440-36-0 Antimony 0.15 B 7/18/2000 RW 3051/6020 NA None  UX 5 SITE A0.01029V 2/23/2000 WATER 7440-38-2 Arsenic 1.93 B 7/18/2000 RW 3051/6020 NA None	
UX 5 SITE A0.01029V 2/23/2000 WATER 7429-90-5 Aluminum 16.40 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL UX 5 SITE A0.01029V 2/23/2000 WATER 7440-36-0 Antimony 0.15 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL UX 5 SITE A0.01029V 2/23/2000 WATER 7440-38-2 Arsenic 1.93 B 7/18/2000 RW 3051/6020 NA None	
UX 5 SITE A0.01029V 2/23/2000 WATER 7440-36-0 Antimony 0.15 B 7/18/2000 RW 3051/6020 NA None  UX 5 SITE A0.01029V 2/23/2000 WATER 7440-38-2 Arsenic 1.93 B 7/18/2000 RW 3051/6020 NA None	
UX 5 SITE A0.01029V 2/23/2000 WATER 7440-38-2 Arsenic 1.93 B 7/18/2000 RW 3051/6020 NA None	-
UX 5 SITE A0.01029V 2/23/2000 WATER 7440-39-3 Barium 68.40 B 7/18/2000 RW 3051/6020 NA None ATLAS MILL	
UX 5 SITE A0.01029V 2/23/2000 WATER 7440-41-7 Beryllium 0.03 B 7/18/2000 RW 3051/6020 NA None ATLAS MILL	
UX 5 SITE A0.01029V 2/23/2000 WATER 7440-43-9 Cadmium 0.01 U 7/18/2000 RW 3051/6020 NA None	
ATLAS MILL   UX   5   SITE   A0.01029V   2/23/2000   WATER   7440-70-2   Calcium   78500.00   7/21/2000   RW   3051/6020   NA   None	
ATLAS MILL   UX   5   SITE   A0.01029V   2/23/2000   WATER   7440-47-3   Chromium   0.57   U   7/18/2000   RW   3051/6020   NA   None	
UX 5 SITE A0.01029V 2/23/2000 WATER 7440-48-4 Cobalt 0.22 B 7/18/2000 RW 3051/6020 NA None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

C	Client		Project	NAREL Sample														
1.	Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifiei		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
1.   1.   1.   1.   1.   1.   1.   1.			ATLAS MILL							C	2	Q						
INC.	UX	5	SITE	A0.01029V	2/23/2000	WATER	7440-50-8	Copper	1.05		В		7/18/2000	RW	3051/6020	NA	None	
Column   C	UX	5	SITE	A0.01029V	2/23/2000	WATER	7439-89-6	Iron	139.00				7/18/2000	RW	3051/6020	NA	None	
INC.   5   STITE	UX	5	SITE	A0.01029V	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
IX   5   STF	UX	5	SITE	A0.01029V	2/23/2000	WATER	7439-95-4	Magnesium	30500.00				7/18/2000	RW	3051/6020	NA	None	
Column   C	UX	5		A0.01029V	2/23/2000	WATER	7439-96-5	Manganese	23.10				7/18/2000	RW	3051/6020	NA	None	
S.   ATLANIEL   COLUMN   COL	UX	5		A0.01029V	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
A TALASMIL   STEE   SOLITON   2232000   WATER   746-052   Manissee   413600   P.   718-2000   R.W.   3011-0520   N.A.   None		5	ATLAS MILL				7440-02-0		1.48		В		7/18/2000	RW				
No.   No.		-	ATLAS MILL															
No.   STEEN   ADDICENT   223-2000   WATER   7480-23-5   Solution   127000-00   No.		5	ATLAS MILL															
ATLAS MILL   STEE   A6   16   50   WATER   7440-215   Software   17000   Decision   170000   Decision   17000	3	ATLAS MILL																
S		5	ATLAS MILL								В							
UX   STEE   A0.01029V   223-2000   WATER   7440-62   Venadure   1.24   D   7718-2000   RW   30516020   NA   None	UX	5		A0.01029V	2/23/2000	WATER	7440-23-5	Sodium	127000.00				7/21/2000	RW	3051/6020	NA	None	
Name	UX	5		A0.01029V	2/23/2000	WATER	7440-28-0	Thallium	0.09		В		7/18/2000	RW	3051/6020	NA	None	
UX	UX	5		A0.01029V	2/23/2000	WATER	7440-62-2	Vanadium	1.24		В		7/18/2000	RW	3051/6020	NA	None	
UX	UX	5	SITE	A0.01029V	2/23/2000	WATER	7440-66-6	Zinc	19.10		В		7/18/2000	RW	3051/6020	NA	None	
UX   10   STE   A0.01028U   2732000   WATER   7440-80   Adminosy   0.16   B   7/18/2000   RW   30514020   NA   None	UX	10	SITE	A0.01028U	2/23/2000	WATER	7429-90-5	Aluminum	35.60		В		7/18/2000	RW	3051/6020	NA	None	
UX   10   STE   A001028U   223/2000   WATER   7440-38-2   Arsenic   1.37   B   718/2000   RW   30516020   NA   None	UX	10	SITE	A0.01028U	2/23/2000	WATER	7440-36-0	Antimony	0.16		В		7/18/2000	RW	3051/6020	NA	None	
UX   10   SITE   ADDICESU   273/2000   WATER   7440-3-9   Barrum   72.30   B   7/18/2000   RW   3051/69/20   NA   None   NA   None   NA   None   NA   None   NA   None   NA   NA   NA   NA   NA   NA   NA   N	UX	10	SITE	A0.01028U	2/23/2000	WATER	7440-38-2	Arsenic	1.37		В		7/18/2000	RW	3051/6020	NA	None	
UX   10   SITE   A0.0102SU   2232000   WATER   7440-417   Beryllium   O.01   U   7/18/2000   RW   3051/6020   NA   None   None   NA   None   NA   None   NA   Name   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NAME   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NA   NAME   NAME   NA   NAME   NAM	UX	10	SITE	A0.01028U	2/23/2000	WATER	7440-39-3	Barium	72.30		В		7/18/2000	RW	3051/6020	NA	None	
UN	UX	10		A0.01028U	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
ATLAS MILL   VIX   10   SITE   A0.01028U   2.23/2000   WATER   7.440-70-2   Calcium   7710.000   7721/2000   RW   3051/6020   NA   None   No	UX	10		A0.01028U	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
ATLAS MILL   ATL		10					7440-70-2		77100.00					RW				
ATLAS MILL   UX   10   SITE   A0   10   273   2000   WATER   7440   48   Cobalt   0.19   B   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL							11								
ATLAS MILL   A0 01028U   2/23/2000   WATER   7440-50-8   Copper   3.59   B   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL							U	_							
ATLAS MILL   UX   10   SITE   A0.01028U   2/23/2000   WATER   7439-89-6   Iron   166.00   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL															
UX   10   SITE   A0.01028U   2/23/2000   WATER   7439-92-1   Lead   0.03   U   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL								В							
UX   10			ATLAS MILL															
ATLAS MILL   AUX   10   SITE   AU   AU   AU   AU   AU   AU   AU   A	UX	10		A0.01028U	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
UX 10 SITE A0.01028U 2/23/2000 WATER 7439-96-5 Manganese 10.50 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7439-97-6 Mercury 0.03 U 3/9/2000 RW 7471A NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7440-02-0 Nickel 1.54 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7440-09-7 Potassium 4210.00 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7440-09-7 Potassium 4210.00 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None	UX	10		A0.01028U	2/23/2000	WATER	7439-95-4	Magnesium	31700.00				7/18/2000	RW	3051/6020	NA	None	
UX         10         SITE         A0.01028U         2/23/2000         WATER         7439-97-6         Mercury         0.03         U         3/9/2000         RW         7471A         NA         None           UX         10         SITE         A0.01028U         2/23/2000         WATER         7440-02-0         Nickel         1.54         B         7/18/2000         RW         3051/6020         NA         None           UX         10         SITE         A0.01028U         2/23/2000         WATER         7440-09-7         Potassium         4210.00         B         7/18/2000         RW         3051/6020         NA         None           UX         10         SITE         A0.01028U         2/23/2000         WATER         7782-49-2         Selenium         3.62         B         7/18/2000         RW         3051/6020         NA         None           UX         10         SITE         A0.01028U         2/23/2000         WATER         7440-22-4         Silver         0.38         B         7/18/2000         RW         3051/6020         NA         None	UX	10	SITE	A0.01028U	2/23/2000	WATER	7439-96-5	Manganese	10.50		В		7/18/2000	RW	3051/6020	NA	None	
UX 10 SITE A0.01028U 2/23/2000 WATER 7440-02-0 Nickel 1.54 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7440-09-7 Potassium 4210.00 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL UX 10 SITE A0.01028U 2/23/2000 WATER 7440-22-4 Silver 0.38 B 7/18/2000 RW 3051/6020 NA None	UX	10	SITE	A0.01028U	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
UX 10 SITE A0.01028U 2/23/2000 WATER 7440-09-7 Potassium 4210.00 B 7/18/2000 RW 3051/6020 NA None  UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL UX 10 SITE A0.01028U 2/23/2000 WATER 7440-22-4 Silver 0.38 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL UX 10 SITE A0.01028U 2/23/2000 WATER 7440-22-4 Silver 0.38 B 7/18/2000 RW 3051/6020 NA None	UX	10	SITE	A0.01028U	2/23/2000	WATER	7440-02-0	Nickel	1.54		В		7/18/2000	RW	3051/6020	NA	None	
UX 10 SITE A0.01028U 2/23/2000 WATER 7782-49-2 Selenium 3.62 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL  UX 10 SITE A0.01028U 2/23/2000 WATER 7440-22-4 Silver 0.38 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL	UX	10	SITE	A0.01028U	2/23/2000	WATER	7440-09-7	Potassium	4210.00		В		7/18/2000	RW	3051/6020	NA	None	
UX 10 SITE A0.01028U 2/23/2000 WATER 7440-22-4 Silver 0.38 B 7/18/2000 RW 3051/6020 NA None ATLAS MILL	UX	10	SITE	A0.01028U	2/23/2000	WATER	7782-49-2	Selenium	3.62		В		7/18/2000	RW	3051/6020	NA	None	
ATLAS MILL	UX	10		A0.01028U	2/23/2000	WATER	7440-22-4	Silver	0.38		В		7/18/2000	RW	3051/6020	NA	None	
	UX	10		A0.01028U	2/23/2000	WATER	7440-23-5	Sodium	120000.00				7/21/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample													
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	alifier	S Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С		Q					
UX	10	SITE	A0.01028U	2/23/2000	WATER	7440-28-0	Thallium	0.10		В	7/18/2000	RW	3051/6020	NA	None	
UX	10	ATLAS MILL SITE	A0.01028U	2/23/2000	WATER	7440-62-2	Vanadium	1.33		В	7/18/2000	RW	3051/6020	NA	None	
UX	10	ATLAS MILL SITE	A0.01028U	2/23/2000	WATER	7440-66-6	Zinc	6.92		В	7/18/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7429-90-5	Aluminum	11.50		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7440-36-0	Antimony	0.14		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7440-38-2	Arsenic	1.46		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7440-39-3	Barium	67.10		В	7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-43-9	Cadmium	0.04	<b>-</b>	В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-70-2	Calcium	74700.00	$\vdash \vdash$	$\dashv$	7/21/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-47-3	Chromium	0.57	U		7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-48-4	Cobalt	0.19		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-50-8	Copper	2.56		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE	A0.01026R	2/23/2000	WATER	7439-89-6	Iron	164.00			7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7439-92-1	Lead	0.03	U		7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7439-95-4	Magnesium	29200.00			7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7439-96-5	Manganese	15.00		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/9/2000	RW	7471A	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7440-02-0	Nickel	2.06		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7440-09-7	Potassium	4280.00		В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	ATLAS MILL SITE	A0.01026R	2/23/2000	WATER	7782-49-2	Selenium	4.65		В	7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-22-4	Silver	0.41	+	В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-23-5	Sodium	118000.00	$\vdash \vdash$	$\dashv$	7/21/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-28-0	Thallium	0.14	$\vdash$	В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-62-2	Vanadium	1.77	$\vdash \vdash$	В	7/17/2000	RW	3051/6020	NA	None	
UG	NS	SITE ATLAS MILL	A0.01026R	2/23/2000	WATER	7440-66-6	Zinc	12.40	$\vdash \vdash$	В	7/17/2000	RW	3051/6020	NA	None	
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER	7429-90-5	Aluminum	11.50		В	7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	SITE	A0.01027T	2/23/2000	WATER	7440-36-0	Antimony	0.42		В	7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-38-2	Arsenic	3.24		В	7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-39-3	Barium	61.20		В	7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-41-7	Beryllium	0.01		В	7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-43-9	Cadmium	0.05		В	7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-70-2	Calcium	230000.00			7/21/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-47-3	Chromium	1.84		В	7/18/2000	RW	3051/6020	NA NA	None	
UG	JUII FUIC	SHE	AU.0102 / 1	4/43/2000	WAIER	/44U=4/=3	Cinomium	1.04	<u> </u>	D	//16/2000	1CW	2021/0020	INA	HOHE	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifiei	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C	2	Q						
UG	Soil Pore	SITE	A0.01027T	2/23/2000	WATER	7440-48-4	Cobalt	1.52		В		7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-50-8	Copper	3.63		В		7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7439-89-6	Iron	418.00				7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7439-92-1	Lead	0.03	ш			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7439-92-1		135000.00	U								
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER		Magnesium					7/24/2000	RW	3051/6020	NA	None	
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER	7439-96-5	Manganese	867.00				7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER	7440-02-0	Nickel	4.71		В		7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	SITE	A0.01027T	2/23/2000	WATER	7440-09-7	Potassium	26100.00				7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7782-49-2	Selenium	10.90				7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-22-4	Silver	0.30		В		7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-23-5	Sodium	1520000.00				7/21/2000	RW	3051/6020	NA	None	
UG	Soil Pore	ATLAS MILL SITE	A0.01027T	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER	7440-62-2	Vanadium	2.26		В		7/18/2000	RW	3051/6020	NA	None	
UG	Soil Pore	SITE ATLAS MILL	A0.01027T	2/23/2000	WATER	7440-66-6	Zinc	18.50		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7429-90-5	Aluminum	15.80		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7440-36-0	Antimony	0.16		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE	A0.01041Q	2/23/2000	WATER	7440-38-2	Arsenic	1.38		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-39-3	Barium	65.20		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-41-7	Beryllium	1.16		В		7/24/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-43-9	Cadmium	0.08		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-70-2	Calcium	90300.00				7/24/2000	RW	3051/6020	NA	None	
		ATLAS MILL		2/23/2000					U								
U4	NS	SITE ATLAS MILL	A0.01041Q		WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7440-48-4	Cobalt	0.25		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7440-50-8	Copper	1.16	$\vdash$	В	$\vdash$	7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7439-89-6	Iron	150.00				7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE	A0.01041Q	2/23/2000	WATER	7439-95-4	Magnesium	31100.00				7/24/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7439-96-5	Manganese	24.80				7/18/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-02-0	Nickel	1.95		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								В							
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7440-09-7	Potassium	4370.00		В		7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7782-49-2	Selenium	2.95	U		$\vdash$	7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE	A0.01041Q	2/23/2000	WATER	7440-22-4	Silver	0.09		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	1	Project	NAREL Sample	I	1				1			I			I	
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	2	Q					
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-23-5	Sodium	135000.00			7/24/2000	RW	3051/6020	NA	None	
U4	NS	ATLAS MILL SITE	A0.01041Q	2/23/2000	WATER	7440-28-0	Thallium	0.10		В	7/18/2000	RW	3051/6020		None	
		ATLAS MILL												NA		
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7440-62-2	Vanadium	1.28		В	7/18/2000	RW	3051/6020	NA	None	
U4	NS	SITE ATLAS MILL	A0.01041Q	2/23/2000	WATER	7440-66-6	Zinc	21.00			7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE	A0.01034R	2/23/2000	WATER	7429-90-5	Aluminum	13.00		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-36-0	Antimony	0.57		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-38-2	Arsenic	4.92		В	7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7440-39-3	Barium	50.70		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7440-41-7	Beryllium	0.01		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7440-43-9	Cadmium	0.53		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE	A0.01034R	2/23/2000	WATER	7440-70-2	Calcium	255000.00			7/24/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-47-3	Chromium	2.03		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-48-4	Cobalt	2.41		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-50-8		10.70		В	7/18/2000	RW	3051/6020		None	
		ATLAS MILL					Copper			В				NA		
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7439-89-6	Iron	585.00		-	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7439-92-1	Lead	0.25		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE	A0.01034R	2/23/2000	WATER	7439-95-4	Magnesium	182000.00			7/24/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7439-96-5	Manganese	1920.00			7/24/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/9/2000	RW	7471A	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-02-0	Nickel	11.10		В	7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								Б						
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7440-09-7	Potassium	37400.00			7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7782-49-2	Selenium	53.00			7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	SITE	A0.01034R	2/23/2000	WATER	7440-22-4	Silver	0.14		В	7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-23-5	Sodium	1690000.00			7/24/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-28-0	Thallium	0.01	U		7/18/2000	RW	3051/6020	NA	None	
U4	Soil Pore	ATLAS MILL SITE	A0.01034R	2/23/2000	WATER	7440-62-2	Vanadium	1.46		В	7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								Б						
U4	Soil Pore	SITE ATLAS MILL	A0.01034R	2/23/2000	WATER	7440-66-6	Zinc	24.40		+	7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7429-90-5	Aluminum	15.60		В	7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE	A0.01040P	2/23/2000	WATER	7440-36-0	Antimony	0.15		В	7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-38-2	Arsenic	1.34		В	7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-39-3	Barium	32.90		В	7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U		7/18/2000	RW	3051/6020	NA	None	
	1	ATLAS MILL							U							
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7440-43-9	Cadmium	0.03		В	7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE	A0.01040P	2/23/2000	WATER	7440-70-2	Calcium	79400.00			7/24/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						1								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	alifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С		Q						
U4	1	SITE	A0.01040P	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-48-4	Cobalt	0.29		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-50-8	Copper	2.02		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7439-89-6	Iron	128.00				7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7439-95-4	Magnesium	33100.00				7/24/2000	RW	3051/6020	NA	None	
	,	ATLAS MILL															
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7439-96-5	Manganese	84.70				7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7440-02-0	Nickel	2.00		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7440-09-7	Potassium	5350.00				7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE ATLAS MILL	A0.01040P	2/23/2000	WATER	7782-49-2	Selenium	3.38		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	SITE	A0.01040P	2/23/2000	WATER	7440-22-4	Silver	0.06		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-23-5	Sodium	150000.00				7/24/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-28-0	Thallium	0.14		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-62-2	Vanadium	0.76		В		7/18/2000	RW	3051/6020	NA	None	
U4	1	ATLAS MILL SITE	A0.01040P	2/23/2000	WATER	7440-66-6	Zinc	9.60		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7429-90-5	Aluminum	1880.00				7/24/2000	RW	3051/6020	NA	None	
	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7429-90-5		22.80		В		7/18/2000	RW	3051/6020	NA NA		
U4	3	ATLAS MILL					Aluminum									None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-36-0	Antimony	0.17		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-36-0	Antimony	0.15		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-38-2	Arsenic	1.97		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-38-2	Arsenic	1.27		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-39-3	Barium	83.40		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE	A0.01039X	2/23/2000	WATER	7440-39-3	Barium	74.20		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7440-41-7	Beryllium	0.21		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7440-41-7	Beryllium	0.03		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7440-43-9	Cadmium	0.06		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7440-43-9	Cadmium	0.08		В		7/18/2000	RW	3051/6020	NA	None	
U4	-	ATLAS MILL SITE	A0.01033A	2/23/2000	WATER	7440-70-2		92600.00		-		7/24/2000	RW	3051/6020			
	3	ATLAS MILL					Calcium				$\dagger$				NA NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-70-2	Calcium	89300.00			++	7/24/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-47-3	Chromium	1.42		В	+	7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-47-3	Chromium	0.67		В	$\vdash$	7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-48-4	Cobalt	1.26		В	$\sqcup \bot$	7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE	A0.01039X	2/23/2000	WATER	7440-48-4	Cobalt	0.22		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	g	Project	NAREL Sample	D . C	35	GLGN. I			_						<b></b>	:.	
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C	:	Q						
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-50-8	Copper	4.55		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE	A0.01039X	2/23/2000	WATER	7440-50-8	Copper	2.26		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7439-89-6	Iron	1570.00				7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7439-89-6	Iron	203.00				7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7439-92-1	Lead	1.98		В		7/18/2000	RW	3051/6020	NA	None	
U4		ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7439-92-1	Lead	0.07		В		7/18/2000	RW	3051/6020	NA	None	
	5	ATLAS MILL								Б							
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7439-95-4	Magnesium	30400.00				7/24/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7439-95-4	Magnesium	32200.00				7/24/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7439-96-5	Manganese	72.90				7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7439-96-5	Manganese	13.90		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE	A0.01033Q	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7440-02-0	Nickel	3.72		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7440-02-0	Nickel	1.94		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7440-09-7	Potassium	4700.00		В		7/18/2000	RW	3051/6020	NA	None	
	5	ATLAS MILL	,														
U4	3	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-09-7	Potassium	4500.00		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7782-49-2	Selenium	4.65		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7782-49-2	Selenium	4.73		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-22-4	Silver	0.25		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-22-4	Silver	0.12		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE	A0.01033Q	2/23/2000	WATER	7440-23-5	Sodium	122000.00				7/24/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7440-23-5	Sodium	133000.00				7/24/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7440-28-0	Thallium	0.15		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7440-28-0	Thallium	0.21		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL SITE	A0.01033Q	2/23/2000	WATER	7440-62-2	Vanadium	4.58		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	ATLAS MILL								В							
		ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-62-2	Vanadium	1.73				7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01033Q	2/23/2000	WATER	7440-66-6	Zinc	7.53		В		7/18/2000	RW	3051/6020	NA	None	
U4	5	SITE ATLAS MILL	A0.01039X	2/23/2000	WATER	7440-66-6	Zinc	13.50		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7429-90-5	Aluminum	9.76		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7440-36-0	Antimony	0.17		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	SITE	A0.01038W	2/23/2000	WATER	7440-38-2	Arsenic	2.13		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-39-3	Barium	66.90		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-41-7	Beryllium	0.04	Ī	В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
U4	10	SHE	710.01036 W	2/23/2000	WAILK	/440-43-9	Caumuili	0.01	U			//10/2000	IV VV	3031/0020	13/7	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						l								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	alifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	_	Q						
U4	10	SITE	A0.01038W	2/23/2000	WATER	7440-70-2	Calcium	82300.00				7/24/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-47-3	Chromium	0.59		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-48-4	Cobalt	0.17		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-50-8	Copper	1.37		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7439-89-6		136.00				7/18/2000	RW	3051/6020		None	
		ATLAS MILL					Iron		U						NA		
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7439-95-4	Magnesium	28500.00				7/24/2000	RW	3051/6020	NA	None	
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7439-96-5	Manganese	9.82		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
U4	10	SITE ATLAS MILL	A0.01038W	2/23/2000	WATER	7440-02-0	Nickel	1.43		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	SITE	A0.01038W	2/23/2000	WATER	7440-09-7	Potassium	3830.00		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7782-49-2	Selenium	5.47				7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-22-4	Silver	0.25		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-23-5	Sodium	122000.00				7/24/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-28-0	Thallium	0.20		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-62-2	Vanadium	1.18		В		7/18/2000	RW	3051/6020	NA	None	
U4	10	ATLAS MILL SITE	A0.01038W	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								_							
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7429-90-5	Aluminum	34.60		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-36-0	Antimony	0.34		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-38-2	Arsenic	3.78		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-39-3	Barium	70.10		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-41-7	Beryllium	0.08		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE	A0.00999K	2/23/2000	WATER	7440-43-9	Cadmium	700.00		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7440-70-2	Calcium	71100.00				7/13/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7440-47-3	Chromium	1.14		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7440-48-4	Cobalt	0.24		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7440-50-8	Copper	17.80		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7439-89-6	Iron	173.00				7/11/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7439-92-1		0.33		В		7/11/2000	RW	3051/6020			
		ATLAS MILL					Lead			В					NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7439-95-4	Magnesium	29200.00		-		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7439-96-5	Manganese	15.70		-		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7439-97-6	Mercury	0.22				3/7/2000	RW	7471A	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-02-0	Nickel	3.75		В		7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE	A0.00999K	2/23/2000	WATER	7440-09-7	Potassium	4300.00		В		7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample	I					1							
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									C	2	Q					
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7782-49-2	Selenium	14.70			7/11/2000	RW	3051/6020	NA	None	
U2	NS	ATLAS MILL SITE	A0.00999K	2/23/2000	WATER	7440-22-4	Silver	0.21		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								-						
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-23-5	Sodium	112000.00			7/13/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-28-0	Thallium	0.21		В	7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE ATLAS MILL	A0.00999K	2/23/2000	WATER	7440-62-2	Vanadium	1.92		В	7/11/2000	RW	3051/6020	NA	None	
U2	NS	SITE	A0.00999K	2/23/2000	WATER	7440-66-6	Zinc	5.03		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7429-90-5	Aluminum	6.74		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-36-0	Antimony	0.85		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-38-2	Arsenic	6.79		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-39-3	Barium	28.40		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-43-9	Cadmium	1.37		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-70-2	Calcium	449000.00			7/13/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE	A0.01000F	2/23/2000	WATER	7440-47-3	Chromium	1.53		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-48-4	Cobalt	8.45		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-50-8	Copper	23.40		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7439-89-6	Iron	921.00			7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7439-92-1	Lead	0.14		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								Б						
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7439-95-4	Magnesium	463000.00			7/13/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7439-96-5	Manganese	2130.00			7/13/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
U2	Soil Pore	SITE	A0.01000F	2/23/2000	WATER	7440-02-0	Nickel	17.30		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-09-7	Potassium	78800.00			7/13/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7782-49-2	Selenium	10.10			7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	ATLAS MILL SITE	A0.01000F	2/23/2000	WATER	7440-22-4	Silver	0.09		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL						2790000.00								
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-23-5	Sodium		H		7/13/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-28-0	Thallium	0.55		В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-62-2	Vanadium	10.90	$\vdash$	В	7/11/2000	RW	3051/6020	NA	None	
U2	Soil Pore	SITE ATLAS MILL	A0.01000F	2/23/2000	WATER	7440-66-6	Zinc	48.60			7/11/2000	RW	3051/6020	NA	None	
E4	NS	SITE	A0.01049Z	2/23/2000	WATER	7429-90-5	Aluminum	4.72		В	7/24/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-36-0	Antimony	0.11		В	7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-38-2	Arsenic	1.18		В	7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-39-3		75.00		В	7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL					Barium			Б						
E4	NS	SITE	A0.01049Z	2/23/2000	WATER	7440-41-7	Beryllium	0.01	Ű		7/18/2000	RW	3051/6020	NA	None	i

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Stort (m)	Project	NAREL Sample	Det. Cellected	35-4-1	CACN	A Indi	Comment of the Confl.	0	ve		Data Analona I	A I 4	Made	T	4 415 4	Comments
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(	2	Q						
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE	A0.01049Z	2/23/2000	WATER	7440-70-2	Calcium	84800.00				7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-48-4	Cobalt	0.06		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL	A0.01049Z							D							
E4	NS	SITE ATLAS MILL		2/23/2000	WATER	7439-89-6	Iron	53.20		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7439-92-1	Lead	0.31		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7439-95-4	Magnesium	29100.00				7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7439-96-5	Manganese	41.00				7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE	A0.01049Z	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-02-0	Nickel	1.38		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-09-7	Potassium	4230.00		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7782-49-2	Selenium	3.75		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	ATLAS MILL SITE	A0.01049Z	2/23/2000	WATER	7440-22-4	Silver	0.03	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7440-23-5	Sodium	146000.00				7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7440-62-2	Vanadium	1.14		В		7/18/2000	RW	3051/6020	NA	None	
E4	NS	SITE ATLAS MILL	A0.01049Z	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE	A0.01050R	2/23/2000	WATER	7429-90-5	Aluminum	17.70		В		7/24/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-36-0	Antimony	0.26		В		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-38-2	Arsenic	2.33		В		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-39-3	Barium	132.00		В		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL					,		U	$\neg \dagger$							
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-70-2	Calcium	77100.00		_		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-47-3	Chromium	0.57	U	-		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-48-4	Cobalt	0.93		В	_	7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE	A0.01050R	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7439-89-6	Iron	33.90		В		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7439-92-1	Lead	0.93		В		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7439-95-4	Magnesium	20200.00				7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7439-96-5	Manganese	381.00				7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								$\neg \dagger$							
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7439-97-6	Mercury	0.03	U	_	-	3/10/2000	RW	7471A	NA	None	
E4	Soil Pore	SITE	A0.01050R	2/23/2000	WATER	7440-02-0	Nickel	18.30		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Street (m)	Project	NAREL Sample	Det. Cellertel	35-4-1	CACN	A Inde	Communication (codf)		ve		Data Analona I	4	Makad	Tt	4 415 4	Comments
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(		Q						
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-09-7	Potassium	6360.00				7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE	A0.01050R	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-22-4	Silver	0.03	U			7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-23-5	Sodium	245000.00				7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	ATLAS MILL SITE	A0.01050R	2/23/2000	WATER	7440-28-0	Thallium	0.20		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-62-2	Vanadium	1.88		В		7/18/2000	RW	3051/6020	NA	None	
E4	Soil Pore	SITE ATLAS MILL	A0.01050R	2/23/2000	WATER	7440-66-6	Zinc	5.37		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7429-90-5	Aluminum	6.78		В		7/24/2000	RW	3051/6020	NA	None	
E4	1	SITE	A0.01048Y	2/23/2000	WATER	7440-36-0	Antimony	0.23		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-38-2	Arsenic	1.11		В		7/18/2000	RW	3051/6020	NA	None	
E4	11	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-39-3	Barium	73.60		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-41-7	Beryllium	0.01		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-43-9	Cadmium	0.03		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
E4	I	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-70-2	Calcium	80900.00				7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-48-4	Cobalt	0.13		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE	A0.01048Y	2/23/2000	WATER	7439-89-6	Iron	70.50		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7439-92-1	Lead	0.34		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7439-95-4	Magnesium	27900.00				7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7439-96-5	Manganese	40.90				7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL							U								
E4	I	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-02-0	Nickel	1.74		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-09-7	Potassium	4110.00		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE ATLAS MILL	A0.01048Y	2/23/2000	WATER	7782-49-2	Selenium	3.09		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	SITE	A0.01048Y	2/23/2000	WATER	7440-22-4	Silver	0.04		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-23-5	Sodium	142000.00				7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-28-0	Thallium	0.02		В		7/18/2000	RW	3051/6020	NA	None	
E4	1	ATLAS MILL SITE	A0.01048Y	2/23/2000	WATER	7440-62-2	Vanadium	1.10		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL							11	-			RW				
E4	1	ATLAS MILL	A0.01048Y	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/18/2000		3051/6020	NA	None	
E4	5	SITE ATLAS MILL	A0.01047X	2/23/2000	WATER	7429-90-5	Aluminum	6.77		В		7/24/2000	RW	3051/6020	NA	None	
E4	5	SITE ATLAS MILL	A0.01047X	2/23/2000	WATER	7440-36-0	Antimony	0.23		В		7/18/2000	RW	3051/6020	NA	None	
E4	5	SITE ATLAS MILL	A0.01047X	2/23/2000	WATER	7440-38-2	Arsenic	1.74		В		7/18/2000	RW	3051/6020	NA	None	
E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-39-3	Barium	74.80		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Name	Client		Project	NAREL Sample														
The color of the	Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
Fig.   S. Office   Medical No.   271,2000   Wall   State   Medical No.			ATLAS MILL							(	2	Q						
Extra   Strate   St	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
Fig.   1	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-43-9	Cadmium	1.21		В		7/24/2000	RW	3051/6020	NA	None	
Feb	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-70-2	Calcium	83700.00				7/18/2000	RW	3051/6020	NA	None	
Fe	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
A	E4	5		A0.01047X	2/23/2000	WATER	7440-48-4	Cobalt	0.05		В		7/18/2000	RW	3051/6020	NA	None	
S.   ATLANIEL   C.   C.   C.   C.   C.   C.   C.   C	E4	5		A0.01047X	2/23/2000	WATER	7440-50-8	Copper	0.66		В		7/18/2000	RW	3051/6020	NA	None	
S	F4	5	ATLAS MILL				7439-89-6				В							
ATLANDIAL   AUTOMOTION   AUTO		- 5	ATLAS MILL															
Feb			ATLAS MILL								ь							
STATE   A010475   223/2000   WATER   746/97/6   Mercay   6.68   U		3	ATLAS MILL															
Fig.   S		5	ATLAS MILL															
Feb	E4	5		A0.01047X	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
Feb	E4	5		A0.01047X	2/23/2000	WATER	7440-02-0	Nickel	1.28		В		7/18/2000	RW	3051/6020	NA	None	
E4   S   STE   A0.0147X   2232000   WATER   782-952   Selema   6.78   M.   T.   T.   T.   T.   T.   T.   T.	E4	5		A0.01047X	2/23/2000	WATER	7440-09-7	Potassium	4370.00		В		7/18/2000	RW	3051/6020	NA	None	
E4	E4	5	SITE	A0.01047X	2/23/2000	WATER	7782-49-2	Selenium	6.78				7/18/2000	RW	3051/6020	NA	None	
E4	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-22-4	Silver	0.11		В		7/18/2000	RW	3051/6020	NA	None	
E4	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-23-5	Sodium	142000.00				7/18/2000	RW	3051/6020	NA	None	
Feb   S	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
S	E4	5	SITE	A0.01047X	2/23/2000	WATER	7440-62-2	Vanadium	1.29		В		7/18/2000	RW	3051/6020	NA	None	
E4	E4	5		A0.01047X	2/23/2000	WATER	7440-66-6	Zinc	0.57		В		7/18/2000	RW	3051/6020	NA	None	
ATLAS MILL   SITE   A0 010 46W   2/23/2000   WATER   7440-36-0   Antimony   0.08   B   7/18/2000   RW   3051/6020   NA   None	E4	10		A0.01046W	2/23/2000	WATER	7429-90-5	Aluminum	7.03		В		7/24/2000	RW	3051/6020	NA	None	
ATLAS MILL   ADDITION   ADDITION   ADDITION   ADDITI	F4						7440-36-0		0.08		В			RW				
ATLAS MILL   SITE   A0.01046W   223/2000   WATER   7440-39-3   Barium   69.60   B   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL															
ATLAS MILL   SITE   A0.01046W   2/23/2000   WATER   7440-41-7   Beryllium   0.01   U     7/18/2000   RW   3051/6020   NA   None			ATLAS MILL															
E4 10 SITE A0.01046W 2/23/2000 WATER 7440-43-9 Cadmium 0.01 U 7/18/2000 RW 3051/6020 NA None  ATLAS MILL A0.01046W 2/23/2000 WATER 7440-70-2 Calcium 76700.00 PW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-70-2 Calcium 76700.00 PW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-43-3 Chromium 0.57 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-48-4 Cobalt 0.01 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-50-8 Copper 0.03 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-80-6 Iron 45.50 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None			ATLAS MILL								В							
E4         10         ATLAS MILL SITE         A0.01046W         2/23/2000         WATER         7440-70-2         Calcium         76700.00         N         7/18/2000         RW         3051/6020         NA         None           E4         10         SITE         A0.01046W         2/23/2000         WATER         7440-47-3         Chromium         0.57         U         7/18/2000         RW         3051/6020         NA         None           E4         10         SITE         A0.01046W         2/23/2000         WATER         7440-48-4         Cobalt         0.01         U         7/18/2000         RW         3051/6020         NA         None           E4         10         SITE         A0.01046W         2/23/2000         WATER         7440-50-8         Copper         0.03         U         7/18/2000         RW         3051/6020         NA         None           E4         10         SITE         A0.01046W         2/23/2000         WATER         7449-50-8         Copper         0.03         U         7/18/2000         RW         3051/6020         NA         None           E4         10         SITE         A0.01046W         2/23/2000         WATER         7439-95-1         Lead			ATLAS MILL															
E4 10 SITE A0.01046W 2/23/2000 WATER 7440-47-3 Chromium 0.57 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-48-4 Cobalt 0.01 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-50-8 Copper 0.03 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-89-6 Iron 45.50 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 2/600.00 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-5 Magnesium 2/600.00 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-5 Magnesium 2/600.00 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-5 Magnesium 2/600.00 RW 3051/6020 NA None			ATLAS MILL							U	-					NA	None	
ATLAS MILL  ATLAS MILL  ATLAS MILL  ATLAS MILL  E4 10 SITE	E4	10		A0.01046W	2/23/2000	WATER	7440-70-2	Calcium	76700.00				7/18/2000	RW	3051/6020	NA	None	
E4 10 SITE A0.01046W 2/23/2000 WATER 7440-48-4 Cobalt 0.01 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7440-50-8 Copper 0.03 U 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-89-6 Iron 45.50 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 27600.00 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-5 Magnesium 27600.00 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-96-5 Magnesium 27600.00 RW 3051/6020 NA None	E4	10		A0.01046W	2/23/2000	WATER	7440-47-3	Chromium	0.57	U		-	7/18/2000	RW	3051/6020	NA	None	
E4 10 SITE A0.01046W 2/23/2000 WATER 7440-50-8 Copper 0.03 U 7/18/2000 RW 3051/6020 NA None  B4 10 SITE A0.01046W 2/23/2000 WATER 7439-89-6 Iron 45.50 B 7/18/2000 RW 3051/6020 NA None  B4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  B4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  B4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 2/600.00 PRW 3051/6020 NA None  B5 10 SITE A0.01046W 2/23/2000 WATER 7439-96-5 Manganese 12.10 B 7/18/2000 RW 3051/6020 NA None	E4	10	SITE	A0.01046W	2/23/2000	WATER	7440-48-4	Cobalt	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E4 10 SITE A0.01046W 2/23/2000 WATER 7439-89-6 Iron 45.50 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 27600.00 FW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 27600.00 FW 3051/6020 NA None  E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-5 Manganese 12.10 B 7/18/2000 RW 3051/6020 NA None	E4	10	SITE	A0.01046W	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	
E4 10 SITE A0.01046W 2/23/2000 WATER 7439-92-1 Lead 0.23 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 27600.00 7/18/2000 RW 3051/6020 NA None  ATLAS MILL E4 10 SITE A0.01046W 2/23/2000 WATER 7439-96-5 Manganese 12.10 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL	E4	10	SITE	A0.01046W	2/23/2000	WATER	7439-89-6	Iron	45.50		В		7/18/2000	RW	3051/6020	NA	None	
E4 10 SITE A0.01046W 2/23/2000 WATER 7439-95-4 Magnesium 27600.00	E4	10	SITE	A0.01046W	2/23/2000	WATER	7439-92-1	Lead	0.23		В		7/18/2000	RW	3051/6020	NA	None	
E4 10 SITE A0.01046W 2/23/2000 WATER 7439-96-5 Manganese 12.10 B 7/18/2000 RW 3051/6020 NA None  ATLAS MILL	E4	10	SITE	A0.01046W	2/23/2000	WATER	7439-95-4	Magnesium	27600.00				7/18/2000	RW	3051/6020	NA	None	
ATLAS MILL	E4	10		A0.01046W	2/23/2000	WATER	7439-96-5	Manganese	12.10		В		7/18/2000	RW	3051/6020	NA	None	
			ATLAS MILL					Ĭ		Į.								

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample								I						
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ıalifiei	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	!	Q						
E4	10	SITE	A0.01046W	2/23/2000	WATER	7440-02-0	Nickel	1.39		В		7/18/2000	RW	3051/6020	NA	None	
E4	10	ATLAS MILL SITE	A0.01046W	2/23/2000	WATER	7440-09-7	Potassium	4110.00		В		7/18/2000	RW	3051/6020	NA	None	
E4	10	ATLAS MILL SITE	A0.01046W	2/23/2000	WATER	7782-49-2	Selenium	4.84		В		7/18/2000	RW	3051/6020	NA	None	
E4	10	ATLAS MILL SITE	A0.01046W	2/23/2000	WATER	7440-22-4	Silver	0.07		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL						108000.00		ь							
E4	10	SITE ATLAS MILL	A0.01046W	2/23/2000	WATER	7440-23-5	Sodium					7/18/2000	RW	3051/6020	NA	None	
E4	10	SITE ATLAS MILL	A0.01046W	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E4	10	SITE ATLAS MILL	A0.01046W	2/23/2000	WATER	7440-62-2	Vanadium	1.26		В		7/18/2000	RW	3051/6020	NA	None	
E4	10	SITE ATLAS MILL	A0.01046W	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/18/2000	RW	3051/6020	NA	None	
E10	NS	SITE	A0.01022M	2/23/2000	WATER	7429-90-5	Aluminum	10.20		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-36-0	Antimony	0.31		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-39-3	Barium	70.40		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-41-7	Beryllium	0.08		В		7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7440-43-9	Cadmium	0.07		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7440-70-2	Calcium	71600.00				7/19/2000	RW	3051/6020	NA	None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7440-47-3	Chromium	3.64		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7440-48-4	Cobalt	0.23		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	SITE	A0.01022M	2/23/2000	WATER	7440-50-8	Copper	2.19		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7439-89-6	Iron	185.00				7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7439-95-4	Magnesium	27700.00				7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7439-96-5		30.00				7/17/2000	RW	3051/6020	NA		
		ATLAS MILL					Manganese									None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7440-02-0	Nickel	3.18		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7440-09-7	Potassium	4270.00		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	SITE ATLAS MILL	A0.01022M	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/17/2000	RW	3051/6020	NA	None	
E10	NS	SITE	A0.01022M	2/23/2000	WATER	7440-22-4	Silver	0.34		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-23-5	Sodium	106000.00				7/19/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-28-0	Thallium	0.12		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-62-2	Vanadium	1.73		В		7/17/2000	RW	3051/6020	NA	None	
E10	NS	ATLAS MILL SITE	A0.01022M	2/23/2000	WATER	7440-66-6	Zinc	13.10		В		7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7429-90-5	Aluminum	8.32		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-36-0	Antimony	0.09	$\vdash$	В	$\vdash$	7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE	A0.01023N	2/23/2000	WATER	7440-38-2	Arsenic	4.12		В		7/17/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample		I				l								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ıalifiei	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLACAMILI							С		Q						
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-39-3	Barium	130.00		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-43-9	Cadmium	0.04		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-70-2	Calcium	61300.00				7/19/2000	RW	3051/6020	NA	None	
		ATLAS MILL								_							
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-47-3	Chromium	1.25		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-48-4	Cobalt	0.29		В	-	7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-50-8	Copper	1.36		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE	A0.01023N	2/23/2000	WATER	7439-89-6	Iron	820.00				7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7439-95-4	Magnesium	18400.00				7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7439-96-5	Manganese	763.00				7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
		ATLAS MILL								В							
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-02-0	Nickel	1.90				7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-09-7	Potassium	3950.00		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE ATLAS MILL	A0.01023N	2/23/2000	WATER	7440-22-4	Silver	0.26		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	SITE	A0.01023N	2/23/2000	WATER	7440-23-5	Sodium	48700.00				7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-28-0	Thallium	0.23		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-62-2	Vanadium	1.29		В		7/17/2000	RW	3051/6020	NA	None	
E10	Soil Pore	ATLAS MILL SITE	A0.01023N	2/23/2000	WATER	7440-66-6	Zinc	11.30		В		7/17/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7429-90-5	Aluminum	5.38		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-36-0	Antimony	0.10		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U		1	7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-39-3	Barium	69.10		В	1	7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-41-7	Beryllium	0.01		В	1	7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE	A0.01021L	2/23/2000	WATER	7440-43-9	Cadmium	0.05		В	$\sqcup \bot$	7/13/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7440-70-2	Calcium	74200.00				7/14/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7440-47-3	Chromium	0.57	U	Ī		7/13/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7440-48-4	Cobalt	0.20		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7440-50-8		6.53		В		7/13/2000	RW	3051/6020	NA	None	
	,	ATLAS MILL					Copper			Б	$\dagger$						
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7439-89-6	Iron	155.00			$\vdash$	7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7439-92-1	Lead	0.03	U		$\vdash$	7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7439-95-4	Magnesium	29000.00			1	7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE	A0.01021L	2/23/2000	WATER	7439-96-5	Manganese	26.70				7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C	2	Q						
E10	1	SITE	A0.01021L	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7440-02-0	Nickel	1.19		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7440-09-7	Potassium	4250.00		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	ATLAS MILL SITE	A0.01021L	2/23/2000	WATER	7782-49-2	Selenium	15.90				7/14/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	I	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-22-4	Silver	0.08		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-23-5	Sodium	118000.00				7/14/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-28-0	Thallium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE ATLAS MILL	A0.01021L	2/23/2000	WATER	7440-62-2	Vanadium	1.76		В		7/13/2000	RW	3051/6020	NA	None	
E10	1	SITE	A0.01021L	2/23/2000	WATER	7440-66-6	Zinc	3.49		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7429-90-5	Aluminum	1.22	U			7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-36-0	Antimony	0.09		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-38-2	Arsenic	0.89		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-39-3		58.90		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL					Barium			Б							
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/13/2000	RW	3051/6020	NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7440-43-9	Cadmium	0.06		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7440-70-2	Calcium	69400.00				7/14/2000	RW	3051/6020	NA	None	
E10	5	SITE	A0.01020K	2/23/2000	WATER	7440-47-3	Chromium	0.94		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-48-4	Cobalt	0.16		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-50-8	Copper	54.00				7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7439-89-6	Iron	157.00				7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7439-92-1	Lead	2.16		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7439-95-4	Magnesium	28600.00				7/13/2000	RW	3051/6020	NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7439-96-5	Manganese	38.10				7/13/2000	RW	3051/6020	NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7440-02-0	Nickel	0.92	$\vdash$	В		7/13/2000	RW	3051/6020	NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7440-09-7	Potassium	4020.00		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	SITE	A0.01020K	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-22-4	Silver	0.11		В		7/13/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-23-5	Sodium	104000.00				7/14/2000	RW	3051/6020	NA	None	
E10	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-28-0	Thallium	0.06		В		7/13/2000	RW	3051/6020	NA	None	
	5	ATLAS MILL SITE	A0.01020K	2/23/2000	WATER	7440-28-0		2.69		В		7/13/2000	RW	3051/6020			
E10		ATLAS MILL					Vanadium			ď					NA	None	
E10	5	SITE ATLAS MILL	A0.01020K	2/23/2000	WATER	7440-66-6	Zinc	33.20	$\vdash$			7/13/2000	RW	3051/6020	NA	None	
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7429-90-5	Aluminum	16.90		В		7/24/2000	RW	3051/6020	NA	None	
E10	10	SITE	A0.01051T	2/23/2000	WATER	7440-36-0	Antimony	0.07	U			7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample	I					I -							I	_
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	2	Q						
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7440-38-2	Arsenic	1.10		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7440-39-3	Barium	67.70		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE	A0.01051T	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7440-70-2	Calcium	77900.00				7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7440-48-4	Cobalt	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE	A0.01051T	2/23/2000	WATER	7439-89-6	Iron	28.40		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7439-92-1	Lead	0.07		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7439-95-4	Magnesium	26000.00				7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL								_							
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7439-96-5	Manganese	8.01		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
E10	10	SITE	A0.01051T	2/23/2000	WATER	7440-02-0	Nickel	1.26		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7440-09-7	Potassium	3860.00		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7782-49-2	Selenium	3.73		В		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7440-22-4	Silver	0.03	U			7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE ATLAS MILL	A0.01051T	2/23/2000	WATER	7440-23-5	Sodium	114000.00				7/18/2000	RW	3051/6020	NA	None	
E10	10	SITE	A0.01051T	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7440-62-2	Vanadium	0.88		В		7/18/2000	RW	3051/6020	NA	None	
E10	10	ATLAS MILL SITE	A0.01051T	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/18/2000	RW	3051/6020	NA	None	
MW- UPDRAW		ATLAS MILL															
(UD)	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7429-90-5	Aluminum	1.22	U			7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW		ATLAS MILL															
(UD) MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-36-0	Antimony	0.42		В		7/13/2000	RW	3051/6020	NA	None	
UPDRAW		ATLAS MILL															
(UD) MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-38-2	Arsenic	22.90				7/13/2000	RW	3051/6020	NA	None	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-39-3	Barium	35.90		В		7/13/2000	RW	3051/6020	NA	None	
MW-	Son Fore		AU.UIUI3L	212312000	WAIER	/ <del>11</del> 0-39-3	Dailuiii	33.70		נו		1/13/2000	IV.W	3031/0020	IVA	INOHE	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW		ATLAS MILL															
(UD)	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-43-9	Cadmium	1.90		В		7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW		ATLAS MILL															
(UD) MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-70-2	Calcium	515000.00				7/14/2000	RW	3051/6020	NA	None	
UPDRAW		ATLAS MILL															
(UD)	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-47-3	Chromium	1.61		В		7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample													
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		alifier	-	Analyst	Method	Texture:	Artifacts:	Comments
MW-									С		Q					
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-48-4	Cobalt	3.44		В	7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-50-8	Copper	27.60			7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW	50111010	ATLAS MILL	110.010131	2/23/2000	WILLIAM	7110 30 0	сорры	27.00			771372000		3031/0020		rone	
(UD) MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7439-89-6	Iron	1030.00			7/13/2000	RW	3051/6020	NA	None	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7439-92-1	Lead	0.03	U		7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7439-95-4	Magnesium	580000.00			7/14/2000	RW	3051/6020	NA	None	
MW-	3011 Tote		A0.01013L	2/23/2000	WAILK	7439=93=4	iviagiiesiuiii	380000.00			7/14/2000	KW	3031/0020	IVA	None	
UPDRAW (UD) MW-	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7439-96-5	Manganese	3890.00			7/14/2000	RW	3051/6020	NA	None	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7439-97-6	Mercury	0.14		В	3/7/2000	RW	7471A	NA	None	
MW- UPDRAW		ATLAS MILL					-									
(UD) MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-02-0	Nickel	18.30		В	7/13/2000	RW	3051/6020	NA	None	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-09-7	Potassium	82400.00			7/14/2000	RW	3051/6020	NA	None	
MW- UPDRAW (UD)	0.35	ATLAS MILL	40.010124	2/22/2000	WATER	7702 40 2		15.00			7/12/2000	n	2051/6020			
MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7782-49-2	Selenium	15.80			7/13/2000	RW	3051/6020	NA	None	
UPDRAW (UD) MW-	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-22-4	Silver	0.26		В	7/13/2000	RW	3051/6020	NA	None	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-23-5	Sodium	2140000.00			7/14/2000	RW	3051/6020	NA	None	
MW- UPDRAW		ATLAS MILL														
(UD) MW-	Soil Pore	SITE	A0.01013L	2/23/2000	WATER	7440-28-0	Thallium	1.00		В	7/13/2000	RW	3051/6020	NA	None	
UPDRAW (UD)	Soil Pore	ATLAS MILL SITE	A0.01013L	2/23/2000	WATER	7440-62-2	Vanadium	281.00			7/13/2000	RW	3051/6020	NA	None	
MW- UPDRAW		ATLAS MILL														
(UD)	Soil Pore	SITE ATLAS MILL	A0.01013L	2/23/2000	WATER	7440-66-6	Zinc	43.40			7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7429-90-5	Aluminum	5.82		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-36-0	Antimony	0.14		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U	_	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-39-3	Barium	74.00		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U	В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE	A0.01011J	2/23/2000	WATER	7440-43-9	Cadmium	0.07		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-70-2	Calcium	82500.00		_	7/14/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-47-3	Chromium	0.87		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-48-4	Cobalt	0.21		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE	A0.01011J	2/23/2000	WATER	7440-50-8	Copper	3.67		В	7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL SITE	A0.01011J	2/23/2000	WATER	7439-89-6	Iron	171.00			7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	6	Project	NAREL Sample	D . C		GLGN. I		6								:.	6
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifiers		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
-		ATLAS MILL							C	2	Q						
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE	A0.01011J	2/23/2000	WATER	7439-95-4	Magnesium	35400.00				7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL SITE	A0.01011J	2/23/2000	WATER	7439-96-5	Manganese	47.30				7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL SITE	A0.01011J	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
MW	NS	ATLAS MILL SITE	A0.01011J	2/23/2000	WATER	7440-02-0	Nickel	1.63		В		7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL	A0.01011J	2/23/2000		7440-02-0		5010.00					RW	3051/6020			
		SITE ATLAS MILL			WATER		Potassium					7/13/2000			NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7782-49-2	Selenium	7.51		-		7/14/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-22-4	Silver	0.26		В		7/13/2000	RW	3051/6020	NA	None	
MW	NS	SITE ATLAS MILL	A0.01011J	2/23/2000	WATER	7440-23-5	Sodium	140000.00				7/14/2000	RW	3051/6020	NA	None	
MW	NS	SITE	A0.01011J	2/23/2000	WATER	7440-28-0	Thallium	0.14		В		7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL SITE	A0.01011J	2/23/2000	WATER	7440-62-2	Vanadium	2.73		В		7/13/2000	RW	3051/6020	NA	None	
MW	NS	ATLAS MILL SITE	A0.01011J	2/23/2000	WATER	7440-66-6	Zinc	3.71		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7429-90-5	Aluminum	113.00		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-36-0	Antimony	2.01		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7440-38-2	Arsenic	4.70		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7440-39-3	Barium	36.40		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7440-41-7	Beryllium	1.46		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE	A0.01012K	2/23/2000	WATER	7440-43-9	Cadmium	2.64		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-70-2	Calcium	625000.00				7/14/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-47-3	Chromium	4.01		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-48-4	Cobalt	10.80		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-50-8	Copper	23.90		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7439-89-6	Iron	1330.00			$\dashv$	7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7439-92-1	Lead	1.25		В	$\dashv$	7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7439-95-4	Magnesium	674000.00		$\dashv$	$\dashv$	7/14/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7439-96-5	Manganese	9680.00			_	7/14/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		_	3/7/2000	RW	7471A	NA	None	
MW	Soil Pore	SITE	A0.01012K	2/23/2000	WATER	7440-02-0	Nickel	16.00		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-09-7	Potassium	69000.00				7/14/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-22-4	Silver	0.50		В		7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	ATLAS MILL SITE	A0.01012K	2/23/2000	WATER	7440-23-5	Sodium	2510000.00				7/14/2000	RW	3051/6020	NA		
		ATLAS MILL														None	
MW	Soil Pore	SITE ATLAS MILL	A0.01012K	2/23/2000	WATER	7440-28-0	Thallium	1.81		В	$\dashv$	7/13/2000	RW	3051/6020	NA	None	
MW	Soil Pore	SITE	A0.01012K	2/23/2000	WATER	7440-62-2	Vanadium	37.60		В		7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifier	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C	2	Q						
MW	Soil Pore	SITE	A0.01012K	2/23/2000	WATER	7440-66-6	Zinc	66.60				7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7429-90-5	Aluminum	3.78		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7440-36-0	Antimony	0.11		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7440-38-2	Arsenic	0.55	11			7/13/2000	RW	3051/6020	NA	None	
MW		ATLAS MILL SITE				7440-39-3		71.20		В		7/13/2000	RW	3051/6020			
		ATLAS MILL	A0.01010H	2/23/2000	WATER		Barium								NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-43-9	Cadmium	0.05		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-70-2	Calcium	80600.00				7/14/2000	RW	3051/6020	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
MW	1	SITE	A0.01010H	2/23/2000	WATER	7440-48-4	Cobalt	0.19		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7440-50-8	Copper	4.35		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7439-89-6	Iron	137.00				7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7439-95-4	Magnesium	33600.00				7/13/2000	RW	3051/6020	NA	None	
MW		ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7439-96-5		36.60				7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL					Manganese										
MW	I	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-02-0	Nickel	1.19		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-09-7	Potassium	4700.00		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/14/2000	RW	3051/6020	NA	None	
MW	1	SITE ATLAS MILL	A0.01010H	2/23/2000	WATER	7440-22-4	Silver	0.30		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	SITE	A0.01010H	2/23/2000	WATER	7440-23-5	Sodium	138000.00				7/14/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7440-28-0	Thallium	0.10		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7440-62-2	Vanadium	2.09		В		7/13/2000	RW	3051/6020	NA	None	
MW	1	ATLAS MILL SITE	A0.01010H	2/23/2000	WATER	7440-66-6	Zinc	1.16		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7429-90-5	Aluminum	7.42		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7440-36-0	Antimony	0.11		В		7/13/2000	RW	3051/6020	NA NA	None	
	-	ATLAS MILL							ļ.,	ט							
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-39-3	Barium	74.40		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-41-7	Beryllium	0.04	$\vdash$	В	$\vdash$	7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-43-9	Cadmium	0.06		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-70-2	Calcium	81400.00				7/14/2000	RW	3051/6020	NA	None	
MW	5	SITE	A0.01009Q	2/23/2000	WATER	7440-47-3	Chromium	0.58		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7440-48-4	Cobalt	0.16		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7440-50-8	Copper	3.47		В		7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Starte (ar)	Project	NAREL Sample	Det. Cellertel	35-4	CACN	A Indi	Communication (coll)	0			Detector design	A I 4	Made	T	4 415 4	Comments
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		alifiers		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	!	Q						
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7439-89-6	Iron	174.00				7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE	A0.01009Q	2/23/2000	WATER	7439-92-1	Lead	0.06		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7439-95-4	Magnesium	31300.00				7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7439-96-5	Manganese	12.60		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
MW	-	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7440-02-0	Nickel	1.57	Ŭ	В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL	,														
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-09-7	Potassium	4550.00		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7782-49-2	Selenium	10.10				7/14/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-22-4	Silver	0.39		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	SITE ATLAS MILL	A0.01009Q	2/23/2000	WATER	7440-23-5	Sodium	132000.00				7/14/2000	RW	3051/6020	NA	None	
MW	5	SITE	A0.01009Q	2/23/2000	WATER	7440-28-0	Thallium	0.10		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7440-62-2	Vanadium	2.02		В		7/13/2000	RW	3051/6020	NA	None	
MW	5	ATLAS MILL SITE	A0.01009Q	2/23/2000	WATER	7440-66-6	Zinc	1.35		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7429-90-5	Aluminum	120.00		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-36-0	Antimony	1.30		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-38-2	Arsenic	2.13		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-38-2	Barium	69.20		В		7/13/2000	RW	3051/6020	NA NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-41-7	Beryllium	1.36		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-43-9	Cadmium	1.16		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
MW	10	SITE ATLAS MILL	A0.01008P	2/23/2000	WATER	7440-70-2	Calcium	81100.00				7/14/2000	RW	3051/6020	NA	None	
MW	10	SITE ATLAS MILL	A0.01008P	2/23/2000	WATER	7440-47-3	Chromium	2.34		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	SITE ATLAS MILL	A0.01008P	2/23/2000	WATER	7440-48-4	Cobalt	1.93		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	SITE ATLAS MILL	A0.01008P	2/23/2000	WATER	7440-50-8	Copper	13.20		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	SITE	A0.01008P	2/23/2000	WATER	7439-89-6	Iron	260.00				7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7439-92-1	Lead	1.08		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7439-95-4	Magnesium	29600.00				7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7439-96-5	Manganese	18.90				7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-02-0	Nickel	2.70		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-09-7	Potassium	4360.00		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7782-49-2	Selenium	3.90		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-22-4	Silver	0.73		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-22-4	Sodium	125000.00		-		7/14/2000	RW	3051/6020	NA NA	None	
		ATLAS MILL								р	<u> </u>						
MW	10	SITE	A0.01008P	2/23/2000	WATER	7440-28-0	Thallium	1.48		В		7/13/2000	RW	3051/6020	NA	None	1

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	ıalifiei	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C		Q						
MW	10	SITE	A0.01008P	2/23/2000	WATER	7440-62-2	Vanadium	3.22		В		7/13/2000	RW	3051/6020	NA	None	
MW	10	ATLAS MILL SITE	A0.01008P	2/23/2000	WATER	7440-66-6	Zinc	4.88		В		7/13/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7429-90-5	Aluminum	7.68		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-36-0	Antimony	0.09		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-38-2	Arsenic	2.64		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-39-3	Barium	70.10		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-70-2	Calcium	73100.00				7/13/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-47-3	Chromium	0.62		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-48-4	Cobalt	0.13		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-50-8	Copper	2.60		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7439-89-6	Iron	134.00				7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE	A0.00997H	2/23/2000	WATER	7439-92-1	Lead	0.37		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7439-95-4	Magnesium	30900.00				7/13/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7439-96-5	Manganese	24.00				7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-02-0	Nickel	1.71		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-09-7	Potassium	4260.00		В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7782-49-2	Selenium	11.10				7/11/2000	RW	3051/6020	NA	None	
D2	NS	ATLAS MILL SITE	A0.00997H	2/23/2000	WATER	7440-22-4	Silver	0.05		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-23-5	Sodium	118000.00				7/13/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-62-2	Vanadium	1.52	$\vdash$	В		7/11/2000	RW	3051/6020	NA	None	
D2	NS	SITE ATLAS MILL	A0.00997H	2/23/2000	WATER	7440-66-6	Zinc	2.87		В		7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7429-90-5	Aluminum	6.75		В		7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7440-36-0	Antimony	0.46		В	igwdown	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7440-38-2	Arsenic	3.66		В		7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE	A0.00998J	2/23/2000	WATER	7440-39-3	Barium	26.50		В		7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-43-9	Cadmium	1.92		В		7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-70-2	Calcium	457000.00		_ ]		7/13/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-47-3	Chromium	2.69		В		7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-48-4	Cobalt	6.50		В		7/11/2000	RW	3051/6020	NA	None	
	5011 1 010	U111	110.007703	2/25/2000	**********	7110104	Cooun	0.50		-			10.11	3031,0020		. 10110	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample									ĺ				
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATT 10 MILE							C		Q					
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-50-8	Copper	18.70		В	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7439-89-6	Iron	828.00			7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7439-92-1	Lead	0.67		В	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7439-95-4	Magnesium	627000.00			7/13/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7439-96-5	Manganese	7190.00			7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL							U							
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7440-02-0	Nickel	57.60		-	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7440-09-7	Potassium	92400.00			7/13/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7782-49-2	Selenium	18.10			7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE ATLAS MILL	A0.00998J	2/23/2000	WATER	7440-22-4	Silver	0.03		В	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	SITE	A0.00998J	2/23/2000	WATER	7440-23-5	Sodium	2680000.00			7/13/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-28-0	Thallium	0.85		В	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-62-2	Vanadium	5.29		В	7/11/2000	RW	3051/6020	NA	None	
D2	Soil Pore	ATLAS MILL SITE	A0.00998J	2/23/2000	WATER	7440-66-6	Zinc	95.90			7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7429-90-5	Aluminum	44.70		В	7/11/2000	RW	3051/6020	NA	None	
D2		ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-36-0	Antimony	0.61		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								В						
D2		SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-38-2	Arsenic	2.70			7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-39-3	Barium	74.90		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-41-7	Beryllium	0.56		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-43-9	Cadmium	0.52		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-70-2	Calcium	77200.00			7/13/2000	RW	3051/6020	NA	None	
D2	1	SITE	A0.00996G	2/23/2000	WATER	7440-47-3	Chromium	0.91		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-48-4	Cobalt	0.68		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-50-8	Copper	3.19		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7439-89-6	Iron	188.00			7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7439-92-1	Lead	0.86		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7439-95-4	Magnesium	30900.00			7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7439-96-5		22.80			7/11/2000	RW	3051/6020	NA NA		
		ATLAS MILL					Manganese								None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-02-0	Nickel	2.33		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7440-09-7	Potassium	4440.00		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE ATLAS MILL	A0.00996G	2/23/2000	WATER	7782-49-2	Selenium	9.25			7/11/2000	RW	3051/6020	NA	None	
D2	1	SITE	A0.00996G	2/23/2000	WATER	7440-22-4	Silver	0.39		В	7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-23-5	Sodium	124000.00			7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						l								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	ıalifiei	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									С		Q						
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-28-0	Thallium	0.52		В		7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-62-2	Vanadium	2.20		В		7/11/2000	RW	3051/6020	NA	None	
D2	1	ATLAS MILL SITE	A0.00996G	2/23/2000	WATER	7440-66-6	Zinc	2.70		В		7/11/2000	RW	3051/6020	NA	None	
	-	ATLAS MILL								В							
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7429-90-5	Aluminum	7.94				7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-36-0	Antimony	0.11		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-38-2	Arsenic	2.05		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-39-3	Barium	72.90		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE	A0.00995F	2/23/2000	WATER	7440-41-7	Beryllium	0.03		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-70-2	Calcium	77800.00				7/13/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-48-4	Cobalt	0.07		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F			7440-50-8		2.34		В				3051/6020			
		ATLAS MILL		2/23/2000	WATER		Copper			В		7/11/2000	RW		NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7439-89-6	Iron	127.00				7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7439-92-1	Lead	0.35		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7439-95-4	Magnesium	28600.00				7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE	A0.00995F	2/23/2000	WATER	7439-96-5	Manganese	14.90		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-02-0	Nickel	1.85		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-09-7	Potassium	4090.00		В		7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7782-49-2	Selenium	8.90				7/11/2000	RW	3051/6020	NA	None	
D2	5	ATLAS MILL SITE	A0.00995F	2/23/2000	WATER	7440-22-4		0.04		В		7/11/2000	RW	3051/6020	NA		
		ATLAS MILL					Silver			Б						None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-23-5	Sodium	118000.00				7/13/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-62-2	Vanadium	1.56	$\vdash$	В		7/11/2000	RW	3051/6020	NA	None	
D2	5	SITE ATLAS MILL	A0.00995F	2/23/2000	WATER	7440-66-6	Zinc	3.32		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	SITE	A0.00994E	2/23/2000	WATER	7429-90-5	Aluminum	5.94		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-36-0	Antimony	0.13		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-38-2	Arsenic	2.07		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-39-3	Barium	75.40		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL SITE	A0.00994E	2/23/2000		7440-43-9		0.04		В		7/11/2000	RW	3051/6020			
D2	10	ATLAS MILL			WATER		Cadmium			В					NA	None	
D2	10	SITE ATLAS MILL	A0.00994E	2/23/2000	WATER	7440-70-2	Calcium	77100.00		-	+ +	7/13/2000	RW	3051/6020	NA	None	
D2	10	SITE	A0.00994E	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						1								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	alifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		177 10 147 T							С		Q						
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-48-4	Cobalt	0.09		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-50-8	Copper	2.09		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7439-89-6	Iron	135.00				7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7439-92-1	Lead	33.00		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
D2	10	SITE ATLAS MILL	A0.00994E	2/23/2000	WATER	7439-95-4	Magnesium	28900.00				7/13/2000	RW	3051/6020	NA	None	
D2	10	SITE ATLAS MILL	A0.00994E	2/23/2000	WATER	7439-96-5	Manganese	12.80		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	SITE ATLAS MILL	A0.00994E	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D2	10	SITE ATLAS MILL	A0.00994E	2/23/2000	WATER	7440-02-0	Nickel	4.49		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	SITE	A0.00994E	2/23/2000	WATER	7440-09-7	Potassium	4110.00		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7782-49-2	Selenium	8.42				7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-22-4	Silver	0.19		В		7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-23-5	Sodium	119000.00				7/13/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
D2	10	ATLAS MILL SITE	A0.00994E	2/23/2000	WATER	7440-62-2	Vanadium	1.63		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL						5.70		В							
D2	10	SITE ATLAS MILL	A0.00994E	2/23/2000	WATER	7440-66-6	Zinc					7/11/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7429-90-5	Aluminum	4.86		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7440-36-0	Antimony	0.17		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7440-39-3	Barium	72.20		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE	A0.01004K	2/23/2000	WATER	7440-43-9	Cadmium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-70-2	Calcium	93500.00				7/14/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-47-3	Chromium	0.75		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-48-4	Cobalt	0.22		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-50-8	Copper	3.30		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7439-89-6	Iron	147.00				7/14/2000	RW	3051/6020	NA	None	
		ATLAS MILL								. n							
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7439-92-1	Lead	0.04		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7439-95-4	Magnesium	44300.00		-	$\vdash \vdash$	7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7439-96-5	Manganese	68.30		-	$\vdash$	7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7439-97-6	Mercury	0.03	U	_	$\vdash \vdash$	3/7/2000	RW	7471A	NA	None	
D4	NS	SITE ATLAS MILL	A0.01004K	2/23/2000	WATER	7440-02-0	Nickel	1.20		В	$\sqcup$	7/13/2000	RW	3051/6020	NA	None	
D4	NS	SITE	A0.01004K	2/23/2000	WATER	7440-09-7	Potassium	7730.00				7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7782-49-2	Selenium	6.74				7/14/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-22-4	Silver	0.04		В		7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample					1	1								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(		Q						
D4	NS	SITE	A0.01004K	2/23/2000	WATER	7440-23-5	Sodium	231000.00				7/14/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-28-0	Thallium	0.11		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-62-2	Vanadium	1.96		В		7/13/2000	RW	3051/6020	NA	None	
D4	NS	ATLAS MILL SITE	A0.01004K	2/23/2000	WATER	7440-66-6	Zinc	2.90		В		7/13/2000	RW	3051/6020	NA	None	
D4		ATLAS MILL							U	ь							
	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7429-90-5	Aluminum	1.22	U			7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-36-0	Antimony	0.52		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-38-2	Arsenic	0.79		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-39-3	Barium	25.10		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE	A0.01005L	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7440-43-9	Cadmium	1.45		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7440-70-2	Calcium	413000.00				7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7440-47-3	Chromium	4.24		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7440-48-4	Cobalt	8.41		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-50-8	Copper	19.30		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7439-89-6	Iron	873.00				7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7439-92-1	Lead	0.08		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7439-95-4	Magnesium	621000.00				7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE	A0.01005L	2/23/2000	WATER	7439-96-5	Manganese	7020.00				7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7440-02-0	Nickel	36.50		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7440-09-7	Potassium	96700.00				7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	ATLAS MILL SITE	A0.01005L	2/23/2000	WATER	7782-49-2		2.95	U			7/13/2000	RW	3051/6020	NA		
		ATLAS MILL					Selenium		U							None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-22-4	Silver	0.32		В		7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-23-5	Sodium	2680000.00				7/14/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-28-0	Thallium	1.09		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE ATLAS MILL	A0.01005L	2/23/2000	WATER	7440-62-2	Vanadium	5.66		В		7/13/2000	RW	3051/6020	NA	None	
D4	Soil Pore	SITE	A0.01005L	2/23/2000	WATER	7440-66-6	Zinc	84.50				7/14/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7429-90-5	Aluminum	1.78		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-36-0	Antimony	0.18		В	L	7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-39-3	Barium	74.30		В		7/13/2000	RW	3051/6020	NA	None	
	,	ATLAS MILL															
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7440-43-9	Cadmium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	SITE	A0.01003J	2/23/2000	WATER	7440-70-2	Calcium	88100.00				7/14/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									C		Q						
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-47-3	Chromium	0.58		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-48-4	Cobalt	0.24		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-50-8	Copper	5.04		В		7/13/2000	RW	3051/6020	NA	None	
D4	,	ATLAS MILL SITE				7439-89-6		154.00					RW				
	1	ATLAS MILL	A0.01003J	2/23/2000	WATER		Iron					7/13/2000		3051/6020	NA	None	
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7439-95-4	Magnesium	41500.00				7/13/2000	RW	3051/6020	NA	None	
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7439-96-5	Manganese	74.10				7/13/2000	RW	3051/6020	NA	None	
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D4	1	SITE	A0.01003J	2/23/2000	WATER	7440-02-0	Nickel	2.02		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-09-7	Potassium	7120.00				7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-22-4	Silver	0.07		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-23-5	Sodium	205000.00				7/14/2000	RW	3051/6020	NA	None	
D4	,	ATLAS MILL SITE	A0.01003J	2/23/2000	WATER	7440-28-0	Thallium	0.12		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7440-62-2	Vanadium	2.07		В		7/13/2000	RW	3051/6020	NA	None	
D4	1	SITE ATLAS MILL	A0.01003J	2/23/2000	WATER	7440-66-6	Zinc	3.10		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7429-90-5	Aluminum	2.26		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7440-36-0	Antimony	0.43		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE	A0.01002H	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-39-3	Barium	71.20		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-41-7	Beryllium	0.04		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-43-9	Cadmium	0.04		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-70-2	Calcium	80700.00				7/14/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-47-3	Chromium	0.63		В		7/13/2000	RW	3051/6020	NA	None	
	-	ATLAS MILL															
D4		SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7440-48-4	Cobalt	0.18		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7440-50-8	Copper	3.20	$\vdash$	В		7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7439-89-6	Iron	140.00	$\vdash$			7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7439-95-4	Magnesium	30800.00				7/13/2000	RW	3051/6020	NA	None	
D4	5	SITE	A0.01002H	2/23/2000	WATER	7439-96-5	Manganese	22.50				7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7439-97-6	Mercury	0.04		В		3/7/2000	RW	7471A	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-02-0	Nickel	0.97		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-09-7	Potassium	4670.00		В		7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/14/2000	RW	3051/6020	NA	None	
						1/2			. ~								

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample		l							I				
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qua	alifiers	s Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	_	Q					
D4	5	SITE	A0.01002H	2/23/2000	WATER	7440-22-4	Silver	0.17		В	7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-23-5	Sodium	144000.00			7/14/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-28-0	Thallium	0.14		В	7/13/2000	RW	3051/6020	NA	None	
D4	-5	ATLAS MILL SITE	A0.01002H	2/23/2000	WATER	7440-62-2	Vanadium	1.86		В	7/13/2000	RW	3051/6020	NA	None	
D4	5	ATLAS MILL								В						
		SITE ATLAS MILL	A0.01002H	2/23/2000	WATER	7440-66-6	Zinc	1.63			7/13/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7429-90-5	Aluminum	13.40		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-36-0	Antimony	0.16		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-38-2	Arsenic	3.60		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE	A0.01001G	2/23/2000	WATER	7440-39-3	Barium	75.30		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7440-43-9	Cadmium	0.04		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7440-70-2	Calcium	76400.00			7/13/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7440-47-3	Chromium	0.57	U		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7440-48-4		0.14		В		RW	3051/6020			
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER		Cobalt				7/11/2000			NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-50-8	Copper	11.70		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7439-89-6	Iron	157.00		-	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7439-92-1	Lead	0.12		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE	A0.01001G	2/23/2000	WATER	7439-95-4	Magnesium	30800.00			7/11/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7439-96-5	Manganese	17.10			7/11/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7440-02-0	Nickel	1.76		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	ATLAS MILL SITE	A0.01001G	2/23/2000	WATER	7440-09-7	Potassium	4390.00		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL		2/23/2000						ь						
D4	10	SITE ATLAS MILL	A0.01001G		WATER	7782-49-2	Selenium	13.70			7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-22-4	Silver	0.06		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-23-5	Sodium	119000.00	$\vdash$	$\dashv$	7/13/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-28-0	Thallium	0.09	$\vdash$	В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE ATLAS MILL	A0.01001G	2/23/2000	WATER	7440-62-2	Vanadium	1.80		В	7/11/2000	RW	3051/6020	NA	None	
D4	10	SITE	A0.01001G	2/23/2000	WATER	7440-66-6	Zinc	6.13		В	7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7429-90-5	Aluminum	17.50		В	7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-36-0	Antimony	0.31		В	7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-38-2	Arsenic	2.07		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL SITE	A0.00992C	2/23/2000		7440-38-2		76.20		В		RW	3051/6020			
D6	NS	ATLAS MILL			WATER		Barium				7/11/2000			NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7440-41-7	Beryllium	0.09	$\vdash$	В	7/11/2000	RW	3051/6020	NA	None	
D6	NS	SITE	A0.00992C	2/23/2000	WATER	7440-43-9	Cadmium	0.16		В	7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						l								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	ıalifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С		Q						
D6	NS	SITE	A0.00992C	2/23/2000	WATER	7440-70-2	Calcium	108000.00				7/12/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-47-3	Chromium	0.83		В		7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-48-4	Cobalt	0.64		В		7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-50-8	Copper	3.67		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7439-89-6				ь							
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER		Iron	224.00				7/11/2000	RW	3051/6020	NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7439-92-1	Lead	0.48		В		7/11/2000	RW	3051/6020	NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7439-95-4	Magnesium	76100.00				7/12/2000	RW	3051/6020	NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7439-96-5	Manganese	283.00				7/11/2000	RW	3051/6020	NA	None	
D6	NS	SITE	A0.00992C	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-02-0	Nickel	3.20		В		7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-09-7	Potassium	14800.00				7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7782-49-2	Selenium	6.82				7/11/2000	RW	3051/6020	NA	None	
D6	NS	ATLAS MILL SITE	A0.00992C	2/23/2000	WATER	7440-22-4	Silver	0.14		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL						333000.00		Б							
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7440-23-5	Sodium					7/12/2000	RW	3051/6020	NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7440-28-0	Thallium	0.10		В		7/11/2000	RW	3051/6020	NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7440-62-2	Vanadium	1.89		В		7/11/2000	RW	3051/6020	NA	None	
D6	NS	SITE ATLAS MILL	A0.00992C	2/23/2000	WATER	7440-66-6	Zinc	8.92		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE	A0.00993D	2/23/2000	WATER	7429-90-5	Aluminum	7.64		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-36-0	Antimony	0.62		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-38-2	Arsenic	4.23		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-39-3	Barium	37.10		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL		2/23/2000						_							
D6	Soil Pore	SITE ATLAS MILL	A0.00993D		WATER	7440-43-9	Cadmium	0.91		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-70-2	Calcium	455000.00				7/13/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-47-3	Chromium	3.05		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-48-4	Cobalt	13.70		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-50-8	Copper	24.70		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE	A0.00993D	2/23/2000	WATER	7439-89-6	Iron	824.00				7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7439-92-1	Lead	63.00		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7439-95-4	Magnesium	886000.00		Ī		7/13/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7439-96-5	Manganese	5020.00				7/13/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7439-97-6		0.03	U			3/7/2000	RW	7471A	NA	None	
		ATLAS MILL					Mercury		U								
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-02-0	Nickel	21.40		В		7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE	A0.00993D	2/23/2000	WATER	7440-09-7	Potassium	166000.00				7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample					l				1				
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qual	ifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLACAMILE							С	Q						
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7782-49-2	Selenium	13.50			7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-22-4	Silver	0.20	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-23-5	Sodium	2710000.00			7/13/2000	RW	3051/6020	NA	None	
D6	Soil Pore	ATLAS MILL SITE	A0.00993D	2/23/2000	WATER	7440-28-0	Thallium	0.38		3	7/11/2000	RW	3051/6020	NA		
		ATLAS MILL													None	
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-62-2	Vanadium	6.30	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	Soil Pore	SITE ATLAS MILL	A0.00993D	2/23/2000	WATER	7440-66-6	Zinc	121.00			7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7429-90-5	Aluminum	22.90	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE	A0.00991B	2/23/2000	WATER	7440-36-0	Antimony	0.41	F	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-38-2	Arsenic	1.98	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-39-3	Barium	76.40	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-41-7	Beryllium	0.21	1	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-43-9	Cadmium	0.23	I		7/11/2000	RW	3051/6020	NA	None	
D6	,	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-70-2	Calcium	98700.00			7/12/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7440-47-3	Chromium	0.99	I		7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7440-48-4	Cobalt	0.49	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7440-50-8	Copper	3.78	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7439-89-6	Iron	210.00			7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE	A0.00991B	2/23/2000	WATER	7439-92-1	Lead	0.60	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7439-95-4	Magnesium	54300.00			7/12/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7439-96-5	Manganese	197.00			7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-02-0	Nickel	3.00	I	,	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL		2/23/2000				12600.00		,						
D6		SITE ATLAS MILL	A0.00991B		WATER	7440-09-7	Potassium				7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7782-49-2	Selenium	7.96			7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7440-22-4	Silver	0.20	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7440-23-5	Sodium	258000.00		_	7/12/2000	RW	3051/6020	NA	None	
D6	1	SITE ATLAS MILL	A0.00991B	2/23/2000	WATER	7440-28-0	Thallium	0.17	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	SITE	A0.00991B	2/23/2000	WATER	7440-62-2	Vanadium	2.28	I	3	7/11/2000	RW	3051/6020	NA	None	
D6	1	ATLAS MILL SITE	A0.00991B	2/23/2000	WATER	7440-66-6	Zinc	6.15	н	3	7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7429-90-5	Aluminum	10.90	I	,	7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-36-0	Antimony	1.75	I		7/11/2000	RW	3051/6020	NA	None	
	5	ATLAS MILL SITE	A0.00990A	2/23/2000		7440-38-2		6.34	I			RW	3051/6020			
D6	3	ATLAS MILL			WATER		Arsenic				7/11/2000			NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7440-39-3	Barium	76.00	I		7/11/2000	RW	3051/6020	NA	None	
D6	5	SITE	A0.00990A	2/23/2000	WATER	7440-41-7	Beryllium	0.01	H	3	7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						l							
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qua	lifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	Q						
D6	5	SITE	A0.00990A	2/23/2000	WATER	7440-43-9	Cadmium	1.70		В	7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-70-2	Calcium	536000.00			7/12/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-47-3	Chromium	10.60			7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-48-4	Cobalt	8.64		В	7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-50-8	Copper	34.30			7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7439-89-6	Iron	1110.00			7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7439-92-1	Lead	0.79		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7439-95-4	Magnesium	941000.00			7/14/2000	RW	3051/6020	NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7439-96-5	Manganese	7400.00			7/12/2000	RW	3051/6020	NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7439-97-6	Mercury	0.36		В	3/7/2000	RW	7471A	NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7440-02-0	Nickel	25.60		В	7/11/2000	RW	3051/6020	NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7440-09-7	Potassium	445000.00			7/12/2000	RW	3051/6020	NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7782-49-2	Selenium	16.60		_	7/11/2000	RW	3051/6020	NA	None	
D6	5	SITE ATLAS MILL	A0.00990A	2/23/2000	WATER	7440-22-4	Silver	1.21		В	7/11/2000	RW	3051/6020	NA	None	
D6	5	SITE	A0.00990A	2/23/2000	WATER	7440-23-5	Sodium	7360000.00			7/14/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-28-0	Thallium	0.41		В	7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-62-2	Vanadium	3.15		В	7/11/2000	RW	3051/6020	NA	None	
D6	5	ATLAS MILL SITE	A0.00990A	2/23/2000	WATER	7440-66-6	Zinc	106.00			7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7429-90-5	Aluminum	10.20		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-36-0	Antimony	0.31		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-38-2	Arsenic	1.42		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-39-3	Barium	70.60		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-41-7	Beryllium	0.07		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-43-9	Cadmium	0.07		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-70-2	Calcium	84600.00	$\vdash$	+	7/12/2000	RW	3051/6020	NA	None	
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-47-3	Chromium	0.57	U	-	7/11/2000	RW	3051/6020	NA	None	
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-48-4	Cobalt	0.20		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	SITE ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-50-8	Copper	2.80		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	SITE	A0.00989H	2/23/2000	WATER	7439-89-6	Iron	162.00			7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7439-92-1	Lead	0.47		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7439-95-4	Magnesium	33500.00			7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7439-96-5	Manganese	42.80			7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-02-0	Nickel	1.96		В	7/11/2000	RW	3051/6020	NA	None	
		U111	. 10.0070711	2/25/2000	*********	7110 02 0	1110101	1.70		_	//11/2000		3031,0020		. 10110	l .

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						1							
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qua	lifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	Q						
D6	10	SITE	A0.00989H	2/23/2000	WATER	7440-09-7	Potassium	5520.00			7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7782-49-2	Selenium	5.07			7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-22-4	Silver	0.51		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-23-5	Sodium	154000.00			7/12/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-28-0	Thallium	0.08		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL SITE	A0.00989H	2/23/2000	WATER	7440-62-2	Vanadium	1.86		В	7/11/2000	RW	3051/6020	NA	None	
D6	10	ATLAS MILL	A0.00989H	2/23/2000	WATER	7440-66-6		7.67		В	7/11/2000	RW	3051/6020			
		ATLAS MILL					Zinc							NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7429-90-5	Aluminum	14.00		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-36-0	Antimony	0.31		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-38-2	Arsenic	2.06		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-39-3	Barium	77.00		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-41-7	Beryllium	0.01		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-43-9	Cadmium	0.12		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE	A0.00987F	2/23/2000	WATER	7440-70-2	Calcium	95300.00			7/12/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7440-47-3	Chromium	0.57	U		7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7440-48-4	Cobalt	0.35		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7440-50-8	Copper	2.96		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7439-89-6	Iron	184.00			7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7439-92-1	Lead	0.48		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7439-95-4	Magnesium	49000.00			7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7439-96-5	Manganese	146.00			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								D.						
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7439-97-6	Mercury	0.06		В	3/7/2000	RW	7471A	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-02-0	Nickel	2.35		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-09-7	Potassium	9030.00		+	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7782-49-2	Selenium	8.91	$\vdash$		7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-22-4	Silver	0.33		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-23-5	Sodium	239000.00			7/12/2000	RW	3051/6020	NA	None	
D8	NS	SITE ATLAS MILL	A0.00987F	2/23/2000	WATER	7440-28-0	Thallium	0.09		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	SITE	A0.00987F	2/23/2000	WATER	7440-62-2	Vanadium	2.03		В	7/11/2000	RW	3051/6020	NA	None	
D8	NS	ATLAS MILL SITE	A0.00987F	2/23/2000	WATER	7440-66-6	Zinc	5.15		В	7/11/2000	RW	3051/6020	NA	None	
D8	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7429-90-5	Aluminum	21.80		В	7/11/2000	RW	3051/6020	NA	None	
D8	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-36-0	Antimony	0.37		В	7/11/2000	RW	3051/6020	NA	None	
D8	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-38-2	Arsenic	2.16		В	7/11/2000	RW	3051/6020	NA	None	
D8	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-39-3	Barium	71.90		В	7/11/2000	RW	3051/6020	NA	None	
	50111010	U111	. 10.007000	2/25/2000	**********	, ,,,,,,,	Durium	71.20		- 1	771172000		3031,0020		. 10110	l .

Appendix 17. Dissolved metals in water from field sampling, February 2000.

		Project	NAREL Sample													
Sample ID: St	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qu	alifier	s Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		177 16 1 177 I							С		Q					
D8 S	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-41-7	Beryllium	0.04		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-43-9	Cadmium	11.00		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-70-2	Calcium	100000.00			7/12/2000	RW	3051/6020	NA	None	
	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-47-3	Chromium	0.69		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-48-4	Cobalt	1.70		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-50-8	Copper	2.59		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7439-89-6	Iron	183.00		-	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7439-92-1	Lead	0.50		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	SITE	A0.00988G	2/23/2000	WATER	7439-95-4	Magnesium	42200.00			7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7439-96-5	Manganese	590.00			7/11/2000	RW	3051/6020	NA	None	
D8 5	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	
D8 S	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-02-0	Nickel	3.76		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7440-09-7	Potassium	8670.00			7/11/2000	RW	3051/6020	NA	None	
	Soil Pore	ATLAS MILL SITE	A0.00988G	2/23/2000	WATER	7782-49-2	Selenium	8.48			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL								Б						
	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-22-4	Silver	0.30		В	7/11/2000	RW	3051/6020	NA	None	
	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-23-5	Sodium	199000.00	$\vdash$		7/12/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-28-0	Thallium	0.09		В	7/11/2000	RW	3051/6020	NA	None	
D8 5	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-62-2	Vanadium	0.82		В	7/11/2000	RW	3051/6020	NA	None	
D8 S	Soil Pore	SITE ATLAS MILL	A0.00988G	2/23/2000	WATER	7440-66-6	Zinc	7.47		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7429-90-5	Aluminum	12.90		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE	A0.00986E	2/23/2000	WATER	7440-36-0	Antimony	0.35		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-38-2	Arsenic	1.52		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-39-3	Barium	77.10		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-41-7	Beryllium	0.09		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-43-9	Cadmium	0.11		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-70-2	Calcium	93800.00			7/11/2000	RW	3051/6020	NA NA	None	
	1	ATLAS MILL														
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7440-47-3	Chromium	0.57	U	_	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7440-48-4	Cobalt	0.33		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7440-50-8	Copper	5.37	$\vdash$	В	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7439-89-6	Iron	170.00	$\vdash \vdash$	-	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7439-92-1	Lead	0.48	$\sqcup \downarrow$	В	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE	A0.00986E	2/23/2000	WATER	7439-95-4	Magnesium	49300.00	$\sqcup$		7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7439-96-5	Manganese	142.00			7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/7/2000	RW	7471A	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						l			1				
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qua	lifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	Ç	2					
D8	1	SITE	A0.00986E	2/23/2000	WATER	7440-02-0	Nickel	2.23		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-09-7	Potassium	9070.00			7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7782-49-2	Selenium	6.16			7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-22-4	Silver	0.45		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-23-5	Sodium	239000.00			7/12/2000	RW	3051/6020	NA	None	
D8	1	ATLAS MILL SITE	A0.00986E	2/23/2000	WATER	7440-28-0	Thallium	0.07		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7440-62-2	Vanadium	1.96		В	7/11/2000	RW	3051/6020	NA	None	
D8	1	SITE ATLAS MILL	A0.00986E	2/23/2000	WATER	7440-66-6	Zinc	5.99		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7429-90-5	Aluminum	7.75		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7440-36-0	Antimony	0.30		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7440-38-2	Arsenic	1.27		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7440-39-3	Barium	73.70		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE	A0.00985D	2/23/2000	WATER	7440-41-7	Beryllium	0.10		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-43-9	Cadmium	0.05		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-70-2	Calcium	68800.00			7/13/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-47-3	Chromium	57.00	U		7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-48-4	Cobalt	16.00		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-50-8	Copper	2.36		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7439-89-6	Iron	142.00		Б	7/11/2000	RW	3051/6020	NA NA	None	
		ATLAS MILL														
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7439-92-1	Lead	0.45		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7439-95-4	Magnesium	27400.00		_	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7439-96-5	Manganese	14.00		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7439-97-6	Mercury	0.03	U	_	3/7/2000	RW	7471A	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7440-02-0	Nickel	2.00		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE ATLAS MILL	A0.00985D	2/23/2000	WATER	7440-09-7	Potassium	4060.00		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	SITE	A0.00985D	2/23/2000	WATER	7782-49-2	Selenium	6.44		_	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-22-4	Silver	0.33		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-23-5	Sodium	106000.00			7/13/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-28-0	Thallium	0.09		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-62-2	Vanadium	1.71		В	7/11/2000	RW	3051/6020	NA	None	
D8	5	ATLAS MILL SITE	A0.00985D	2/23/2000	WATER	7440-66-6	Zinc	3.29		В	7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7429-90-5	Aluminum	32.30		В	7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7440-36-0	Antimony	0.36		В	7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE	A0.00984C	2/23/2000	WATER	7440-38-2	Arsenic	1.43		В	7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						I								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ıalifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С		Q						
D8	10	SITE	A0.00984C	2/23/2000	WATER	7440-39-3	Barium	75.20		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-41-7	Beryllium	0.15		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-43-9	Cadmium	0.15		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-70-2	Calcium	82400.00				7/12/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-48-4	Cobalt	0.27		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7440-50-8	Copper	2.75		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7439-89-6	Iron	169.00				7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7439-92-1	Lead	0.73		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7439-95-4	Magnesium	28900.00				7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7439-96-5	Manganese	10.90		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE	A0.00984C	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-02-0	Nickel	2.24		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-09-7	Potassium	4200.00		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7782-49-2	Selenium	4.77		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-22-4	Silver	0.31		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-23-5	Sodium	120000.00				7/12/2000	RW	3051/6020	NA	None	
D8	10	ATLAS MILL SITE	A0.00984C	2/23/2000	WATER	7440-28-0	Thallium	0.27		В		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7440-62-2	Vanadium	2.09		В		7/11/2000	RW	3051/6020	NA	None	
D8	10	SITE ATLAS MILL	A0.00984C	2/23/2000	WATER	7440-66-6	Zinc	2.66		В		7/11/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7429-90-5	Aluminum	8.75		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7440-36-0	Antimony	0.12		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE	A0.01018R	2/23/2000	WATER	7440-39-3	Barium	69.40		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-43-9	Cadmium	0.05		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-70-2	Calcium	83000.00				7/14/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-48-4	Cobalt	0.25		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7440-48-4				В			RW				
D10	NS	ATLAS MILL	A0.01018R	2/23/2000	WATER		Copper	3.14		Б		7/13/2000		3051/6020	NA NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7439-89-6	Iron	148.00				7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7439-92-1	Lead	0.07		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7439-95-4	Magnesium	35700.00				7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE	A0.01018R	2/23/2000	WATER	7439-96-5	Manganese	45.80				7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifiei	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C	2	Q						
D10	NS	SITE	A0.01018R	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-02-0	Nickel	1.05		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-09-7	Potassium	5800.00				7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7782-49-2	Selenium	2.95	T.I.			7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL							U								
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7440-22-4	Silver	0.13		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7440-23-5	Sodium	156000.00				7/14/2000	RW	3051/6020	NA	None	
D10	NS	SITE ATLAS MILL	A0.01018R	2/23/2000	WATER	7440-28-0	Thallium	0.05		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	SITE	A0.01018R	2/23/2000	WATER	7440-62-2	Vanadium	1.75		В		7/13/2000	RW	3051/6020	NA	None	
D10	NS	ATLAS MILL SITE	A0.01018R	2/23/2000	WATER	7440-66-6	Zinc	1.50		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7429-90-5	Aluminum	75.20		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-36-0	Antimony	0.68		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-38-2	Arsenic	2.58		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL						60.80		В							
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-39-3	Barium					7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U	В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-43-9	Cadmium	0.40		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-70-2	Calcium	478000.00				7/14/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE	A0.01019T	2/23/2000	WATER	7440-47-3	Chromium	5.44		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-48-4	Cobalt	22.80		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-50-8	Copper	30.60				7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7439-89-6	Iron	1280.00				7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL	A0.01019T							В		7/13/2000					
D10	Soil Pore	SITE ATLAS MILL		2/23/2000	WATER	7439-92-1	Lead	2.14		В			RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7439-95-4	Magnesium	1190000.00				7/14/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7439-96-5	Manganese	11100.00				7/14/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D10	Soil Pore	SITE	A0.01019T	2/23/2000	WATER	7440-02-0	Nickel	20.10		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-09-7	Potassium	236000.00				7/14/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7782-49-2	Selenium	6.20		Ī		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-22-4	Silver	0.23		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	ATLAS MILL SITE	A0.01019T	2/23/2000	WATER	7440-23-5		4850000.00				7/14/2000	RW	3051/6020			
		ATLAS MILL					Sodium								NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-28-0	Thallium	0.01		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-62-2	Vanadium	4.76		В		7/13/2000	RW	3051/6020	NA	None	
D10	Soil Pore	SITE ATLAS MILL	A0.01019T	2/23/2000	WATER	7440-66-6	Zinc	102.00				7/13/2000	RW	3051/6020	NA	None	
D10	1	SITE	A0.01017Q	2/23/2000	WATER	7429-90-5	Aluminum	4.93		В		7/13/2000	RW	3051/6020	NA	None	
D10	1	ATLAS MILL SITE	A0.01017Q	2/23/2000	WATER	7440-36-0	Antimony	0.14		В		7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

	Client		Project	NAREL Sample						1								
Dig	Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
1			ATI AC MILI							(	2	Q						
Dec   1 STEP   ADMINITY   222300   WATER   Adminity   202300   WATER   Adminity   Dec	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
Display	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-39-3	Barium	70.70		В		7/13/2000	RW	3051/6020	NA	None	
Display	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-41-7	Beryllium	0.03		В		7/13/2000	RW	3051/6020	NA	None	
Dit   ATLASMIL   ADDITION   273,000   WATER   748,673.2   Calum   1000 00	D10	1		A0.01017Q	2/23/2000	WATER	7440-43-9	Cadmium	0.16		В		7/13/2000	RW	3051/6020	NA	None	
Display	D10	1		A0.01017O	2/23/2000	WATER	7440-70-2	Calcium	80800.00				7/14/2000	RW	3051/6020	NA	None	
Display		1	ATLAS MILL						0.57	U								
Dig		1	ATLAS MILL								В							
Dig   ATLAS MILL   All 1917   223/2000   WATER 749-9-6   Initial   Initial   Tribute		1	ATLAS MILL															
Dig		,	ATLAS MILL								Д							
All		1	ATLAS MILL															
ATLANBILL   A0 81017Q   223-2000   WATER   7439-96-5   Merganose   43.70   7712-2000   RW   36516020   NA   None		1	ATLAS MILL							U								
Dig   1 ATLAS MILL   A00107Q   22322000   WATER   7459-74-6   Mercury   0.03   U   3.772000   RW   7471A   NA   None   NA   None   NA   NA   None   NA   NA   NA   NA   NA   NA   NA   N	D10	1		A0.01017Q	2/23/2000	WATER	7439-95-4	Magnesium	34800.00				7/13/2000	RW	3051/6020	NA	None	
Dig	D10	1		A0.01017Q	2/23/2000	WATER	7439-96-5	Manganese	43.70				7/13/2000	RW	3051/6020	NA	None	
DII	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D10	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-02-0	Nickel	1.01		В		7/13/2000	RW	3051/6020	NA	None	
Dilo	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-09-7	Potassium	5540.00				7/13/2000	RW	3051/6020	NA	None	
DIO   1   SITE   A0 010170   2232000   WATER   7440-224   Silver   0.16   B   7/13/2000   RW   3051/6020   NA   None	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
DIO	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-22-4	Silver	0.16		В		7/13/2000	RW	3051/6020	NA	None	
DIO   1   SITE   A0.01017Q   2232000   WATER   7440-820   Thallum   0.07   B   7.132000   RW   3051/6020   NA   None	D10	1	SITE	A0.01017Q	2/23/2000	WATER	7440-23-5	Sodium	149000.00				7/14/2000	RW	3051/6020	NA	None	
DIO   1   SITE   A.0.01017Q   223/2000   WATER   7440-62-2   Vanadium   1.87   B   7/13/2000   RW   3051/6020   NA   None	D10	1		A0.01017Q	2/23/2000	WATER	7440-28-0	Thallium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
DIO	D10	1		A0.01017O	2/23/2000	WATER	7440-62-2	Vanadium	1.87		В		7/13/2000	RW	3051/6020	NA	None	
DIO   S   SITE   A0.01016P   2/23/2000   WATER   7429-90-5   Aluminum   5.46   B   7/13/2000   RW   3051/6020   NA   None	D10	1		A0 01017O	2/23/2000	WATER	7440-66-6	Zinc	1 19		В		7/13/2000	RW	3051/6020	NA	None	
DIO   STITE   A0.01016P   2/23/2000   WATER   7440-36-0   Antimony   0.15   B   7/13/2000   RW   3051/6020   NA   None		5	ATLAS MILL															
D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-38-2   Arsenic   0.55   U   7/13/2000   RW   3051/6020   NA   None			ATLAS MILL															
D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-39-3   Barium   71.50   B   7/13/2000   RW   3051/6020   NA   None			ATLAS MILL								Д							
D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-41-7   Beryllium   D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-43-9   Cadmium   D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-43-9   Cadmium   D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-70-2   Calcium   S1300.00   T/14/2000   RW   3051/6020   NA   None   S1TE   A0.01016P   2/23/2000   WATER   7440-70-2   Calcium   S1300.00   T/14/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   7440-47-3   Chromium   D10   C   S   SITE   A0.01016P   2/23/2000   WATER   7440-48-4   Cobalt   D18   B   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   7440-48-4   Cobalt   D.18   B   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   7440-50-8   Copper   S.66   B   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/440-50-8   Copper   S.66   B   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-89-6   Iron   162.00   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-89-6   Iron   162.00   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-89-6   Iron   162.00   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-89-6   Iron   162.00   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-92-1   Lead   D.03   U   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-92-1   Lead   D.03   U   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-92-1   Lead   D.03   U   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-92-1   Lead   D.03   U   T/13/2000   RW   3051/6020   NA   None   SITE   A0.01016P   2/23/2000   WATER   T/439-92-1   Lead   D.03   U   T/13/2000   RW   3051/6020   NA   None   T/13/2000   RW   3051/6020   NA   None   T/13/2000   RW   3051/6020   NA   Non		5	ATLAS MILL							U								
D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-43-9   Cadmium   0.05   B   7/13/2000   RW   3051/6020   NA   None		5	ATLAS MILL								В							
D10   S   SITE   A0.01016P   2/23/2000   WATER   7440-70-2   Calcium   81300.00   T/14/2000   RW   3051/6020   NA   None	D10	5	ATLAS MILL					Beryllium		U						NA	None	
D10   5   SITE   A0.01016P   2/23/2000   WATER   7440-70-2   Calcium   81300.00   7/14/2000   RW   3051/6020   NA   None	D10	5		A0.01016P	2/23/2000	WATER	7440-43-9	Cadmium	0.05		В		7/13/2000	RW	3051/6020	NA	None	
D10   5   SITE   A0.01016P   2/23/2000   WATER   7440-47-3   Chromium   0.57   U   7/13/2000   RW   3051/6020   NA   None	D10	5	SITE	A0.01016P	2/23/2000	WATER	7440-70-2	Calcium	81300.00				7/14/2000	RW	3051/6020	NA	None	
D10   5   SITE   A0.01016P   2/23/2000   WATER   7440-48-4   Cobalt   0.18   B   7/13/2000   RW   3051/6020   NA   None	D10	5	SITE	A0.01016P	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
D10   5   SITE   A0.01016P   2/23/2000   WATER   7440-50-8   Copper   5.66   B   7/13/2000   RW   3051/6020   NA   None	D10	5	SITE	A0.01016P	2/23/2000	WATER	7440-48-4	Cobalt	0.18		В		7/13/2000	RW	3051/6020	NA	None	
D10   5   SITE   A0.01016P   2/23/2000   WATER   7439-89-6   Iron   162.00   7/13/2000   RW   3051/6020   NA   None	D10	5	SITE	A0.01016P	2/23/2000	WATER	7440-50-8	Copper	5.66		В		7/13/2000	RW	3051/6020	NA	None	
D10 5 SITE A0.01016P 2/23/2000 WATER 7439-92-1 Lead 0.03 U 7/13/2000 RW 3051/6020 NA None	D10	5	SITE	A0.01016P	2/23/2000	WATER	7439-89-6	Iron	162.00				7/13/2000	RW	3051/6020	NA	None	
ATLAS MILL	D10	5		A0.01016P	2/23/2000	WATER	7439-92-1	Lead	0.03	U	[		7/13/2000	RW	3051/6020	NA	None	
D10 5 SITE A0.01016P 2/23/2000 WATER 7439-95-4 Magnesium 33600.00 7/13/2000 RW 3051/6020 NA None	D10	5		A0.01016P	2/23/2000	WATER	7439-95-4	Magnesium	33600.00				7/13/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(		Q						
D10	5	SITE	A0.01016P	2/23/2000	WATER	7439-96-5	Manganese	24.60				7/13/2000	RW	3051/6020	NA	None	
D10	5	ATLAS MILL SITE	A0.01016P	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D10	5	ATLAS MILL SITE	A0.01016P	2/23/2000	WATER	7440-02-0	Nickel	0.99		В		7/13/2000	RW	3051/6020	NA	None	
D10	5	ATLAS MILL SITE	A0.01016P	2/23/2000	WATER	7440-09-7	Potassium	4850.00		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL								ь							
D10	5	SITE ATLAS MILL	A0.01016P	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
D10	5	SITE ATLAS MILL	A0.01016P	2/23/2000	WATER	7440-22-4	Silver	0.21		В		7/13/2000	RW	3051/6020	NA	None	
D10	5	SITE ATLAS MILL	A0.01016P	2/23/2000	WATER	7440-23-5	Sodium	138000.00				7/14/2000	RW	3051/6020	NA	None	
D10	5	SITE ATLAS MILL	A0.01016P	2/23/2000	WATER	7440-28-0	Thallium	0.09		В		7/13/2000	RW	3051/6020	NA	None	
D10	5	SITE	A0.01016P	2/23/2000	WATER	7440-62-2	Vanadium	1.87		В		7/13/2000	RW	3051/6020	NA	None	
D10	5	ATLAS MILL SITE	A0.01016P	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7429-90-5	Aluminum	4.64		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-36-0	Antimony	0.17		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-38-2		0.55	U	D		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL					Arsenic		U								
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-39-3	Barium	69.10		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-41-7	Beryllium	0.05		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-43-9	Cadmium	0.04		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE	A0.01015N	2/23/2000	WATER	7440-70-2	Calcium	80400.00				7/14/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-48-4	Cobalt	0.20		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-50-8	Copper	2.92		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7439-89-6	Iron	171.00				7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7439-95-4	Magnesium	29300.00				7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7439-96-5	Manganese	14.30		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-02-0	Nickel	1.23		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE	A0.01015N	2/23/2000	WATER	7440-09-7	Potassium	4200.00		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-22-4	Silver	0.38		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	ATLAS MILL SITE	A0.01015N	2/23/2000	WATER	7440-23-5	Sodium	126000.00				7/14/2000	RW	3051/6020	NA	None	
		ATLAS MILL								n							
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-28-0	Thallium	0.08		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-62-2	Vanadium	1.83		В		7/13/2000	RW	3051/6020	NA	None	
D10	10	SITE ATLAS MILL	A0.01015N	2/23/2000	WATER	7440-66-6	Zinc	0.60		В		7/13/2000	RW	3051/6020	NA	None	
D15	NS	SITE	A0.01044U	2/23/2000	WATER	7429-90-5	Aluminum	3.59		В		7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	:	Q						
D15	NS	SITE	A0.01044U	2/23/2000	WATER	7440-36-0	Antimony	0.20		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-38-2	Arsenic	1.18		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-39-3	Barium	76.80		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-70-2	Calcium	84400.00				7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL	A0.01044U		WATER	7440-48-4	Cobalt		U	В			RW	3051/6020			
		SITE ATLAS MILL		2/23/2000				0.16				7/18/2000			NA	None	
D15	NS	SITE ATLAS MILL	A0.01044U	2/23/2000	WATER	7440-50-8	Copper	5.33		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	SITE ATLAS MILL	A0.01044U	2/23/2000	WATER	7439-89-6	Iron	133.00				7/18/2000	RW	3051/6020	NA	None	
D15	NS	SITE ATLAS MILL	A0.01044U	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
D15	NS	SITE ATLAS MILL	A0.01044U	2/23/2000	WATER	7439-95-4	Magnesium	29600.00				7/18/2000	RW	3051/6020	NA	None	
D15	NS	SITE ATLAS MILL	A0.01044U	2/23/2000	WATER	7439-96-5	Manganese	30.30				7/18/2000	RW	3051/6020	NA	None	
D15	NS	SITE ATLAS MILL	A0.01044U	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
D15	NS	SITE	A0.01044U	2/23/2000	WATER	7440-02-0	Nickel	1.61		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-09-7	Potassium	5230.00				7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-22-4	Silver	0.16		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-23-5	Sodium	137000.00				7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-28-0	Thallium	0.14		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-62-2	Vanadium	1.26		В		7/18/2000	RW	3051/6020	NA	None	
D15	NS	ATLAS MILL SITE	A0.01044U	2/23/2000	WATER	7440-66-6	Zinc	1.33		В		7/18/2000	RW	3051/6020	NA	None	
D15		ATLAS MILL	A0.01044C	2/23/2000		7429-90-5		3.48		В		7/18/2000	RW	3051/6020			
	Soil Pore	SITE ATLAS MILL			WATER		Aluminum								NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-36-0	Antimony	0.26		В		7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-38-2	Arsenic	5.63		В		7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-39-3	Barium	274.00				7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE	A0.01043T	2/23/2000	WATER	7440-70-2	Calcium	123000.00				7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7440-48-4	Cobalt	0.54		В		7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7440-50-8	Copper	2.09		В		7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7439-89-6	Iron	198.00				7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
										_							

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample													
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATT 10 MILE							(	C Q						
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7439-95-4	Magnesium	37600.00			7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7439-96-5	Manganese	1180.00			7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/10/2000	RW	7471A	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7440-02-0	Nickel	1.80		В	7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	ATLAS MILL SITE	A0.01043T	2/23/2000	WATER	7440-02-0	Potassium	10500.00		В	7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL							U							
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7782-49-2	Selenium	2.95	U		7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-22-4	Silver	0.16		В	7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-23-5	Sodium	201000.00			7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-28-0	Thallium	0.13		В	7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE ATLAS MILL	A0.01043T	2/23/2000	WATER	7440-62-2	Vanadium	0.63		В	7/18/2000	RW	3051/6020	NA	None	
D15	Soil Pore	SITE	A0.01043T	2/23/2000	WATER	7440-66-6	Zinc	1.13		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7429-90-5	Aluminum	43.90		В	7/24/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7440-36-0	Antimony	0.14		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7440-38-2	Arsenic	1.23		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7440-39-3	Barium	72.70		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U		7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL	A0.01045V					0.01		В						
D20	NS	SITE ATLAS MILL		2/23/2000	WATER	7440-43-9	Cadmium			В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-70-2	Calcium	78800.00			7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-47-3	Chromium	0.57	U		7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-48-4	Cobalt	0.13		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-50-8	Copper	63.70			7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE	A0.01045V	2/23/2000	WATER	7439-89-6	Iron	64.10		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7439-92-1	Lead	1.15		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7439-95-4	Magnesium	28900.00			7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7439-96-5	Manganese	52.10			7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7439-97-6	Mercury	0.03	U		3/10/2000	RW	7471A	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7440-02-0	Nickel	1.49		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	ATLAS MILL SITE	A0.01045V	2/23/2000	WATER	7440-02-0		5170.00			7/18/2000	RW	3051/6020	NA NA	None	
		ATLAS MILL					Potassium									
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7782-49-2	Selenium	3.59		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-22-4	Silver	0.03	U		7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-23-5	Sodium	153000.00			7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-28-0	Thallium	0.01	U	$\vdash$	7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE ATLAS MILL	A0.01045V	2/23/2000	WATER	7440-62-2	Vanadium	1.22		В	7/18/2000	RW	3051/6020	NA	None	
D20	NS	SITE	A0.01045V	2/23/2000	WATER	7440-66-6	Zinc	29.20			7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Start (m)	Project	NAREL Sample	Date Called A	35-4-1	CACN	A Inte	Communication (co./I)	0	ve		Detector d	Amalant	Makad	T	4 425 4	Comments
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(	2	Q						
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7429-90-5	Aluminum	3.78		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7440-36-0	Antimony	0.46		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE	A0.01042R	2/23/2000	WATER	7440-38-2	Arsenic	3.30		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-39-3	Barium	199.00		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-41-7	Beryllium	0.05		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-43-9	Cadmium	0.11		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-70-2	Calcium	188000.00				7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-47-3	Chromium	0.78		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-48-4	Cobalt	0.78		В		7/18/2000	RW	3051/6020	NA NA	None	
		ATLAS MILL															
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7440-50-8	Copper	1.48		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7439-89-6	Iron	747.00				7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7439-95-4	Magnesium	55900.00				7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE	A0.01042R	2/23/2000	WATER	7439-96-5	Manganese	2220.00				7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-02-0	Nickel	2.52		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-09-7	Potassium	11300.00				7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-22-4	Silver	0.28		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	ATLAS MILL SITE	A0.01042R	2/23/2000	WATER	7440-23-5	Sodium	438000.00		Б		7/18/2000	RW	3051/6020	NA		
		ATLAS MILL														None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7440-28-0	Thallium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7440-62-2	Vanadium	0.05		В		7/18/2000	RW	3051/6020	NA	None	
D20	Soil Pore	SITE ATLAS MILL	A0.01042R	2/23/2000	WATER	7440-66-6	Zinc	14.20		В		7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7429-90-5	Aluminum	28.00		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-36-0	Antimony	0.20		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000013	NA	WATER	7440-38-2	Arsenic	0.55	U			7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7440-39-3	Barium	0.31		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7440-41-7	Beryllium	0.01	U	В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7440-43-9	Cadmium	0.06		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7440-70-2	Calcium	53.80		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA NA	WATER	7440-47-3	Chromium	0.57	U			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL							U								
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-48-4	Cobalt	0.01	U			7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-50-8	Copper	2.87		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000013	NA	WATER	7439-89-6	Iron	45.70		В		7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						1								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							C	2	Q						
Method Blank	NA	SITE	RBLK0000013	NA	WATER	7439-92-1	Lead	0.35		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7439-95-4	Magnesium	32.50		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7439-96-5	Manganese	0.74		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA	WATER	7440-02-0	Nickel	0.58		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA NA	WATER	7440-09-7	Potassium	42.20		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000013	NA NA	WATER	7782-49-2	Selenium	2.95	U	D		7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL							0								
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-22-4	Silver	0.56		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-23-5	Sodium	30.20		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-28-0	Thallium	0.14		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-62-2	Vanadium	0.26		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000013	NA	WATER	7440-66-6	Zinc	3.66		В		7/11/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7429-90-5	Aluminum	1.22	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000014	NA	WATER	7440-36-0	Antimony	0.18		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-39-3	Barium	0.04	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-41-7	Beryllium	0.05		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-43-9	Cadmium	0.04		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-70-2	Calcium	2.95	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-48-4	Cobalt	0.02		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7440-50-8	Copper	2.66		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7439-89-6	Iron	3.69	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7439-95-4	Magnesium	3.14		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7439-96-5	Manganese	0.13		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000014	NA	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
Method Blank	NA	SITE	RBLK0000014	NA	WATER	7440-02-0	Nickel	0.06	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-09-7	Potassium	10.30		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7782-49-2	Selenium	2.95	U			7/14/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-22-4	Silver	0.21		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-23-5	Sodium	18.90		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA	WATER	7440-28-0	Thallium	0.29		В		7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000014	NA NA	WATER	7440-62-2	Vanadium	0.07		В		7/13/2000	RW	3051/6020	NA	None	
wienioù Dialik	13/7	SHE	KDLK0000014	INA	WAILK	/440=02=2	v anaunuill	0.07		D		//13/2000	17. 44	3031/0020	INA	INDIE	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample						1								
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qı	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С		Q						
Method Blank	NA	SITE	RBLK0000014	NA	WATER	7440-66-6	Zinc	0.40	U			7/13/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7429-90-5	Aluminum	7.25		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7440-36-0	Antimony	0.11		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7440-39-3	Barium	0.10		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7440-41-7	Beryllium	0.05		В		7/17/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-43-9	Cadmium	0.01		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-70-2	Calcium	25.20		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-48-4	Cobalt	0.05		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-50-8	Copper	0.29		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000015	2/23/2000	WATER	7439-89-6	Iron	20.00		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7439-95-4	Magnesium	9.30		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7439-96-5	Manganese	0.02	U			7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7440-02-0	Nickel	0.95		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000015	2/23/2000	WATER	7440-09-7	Potassium	26.30		В		7/17/2000	RW	3051/6020	NA	None	
	NA NA	ATLAS MILL SITE	RBLK0000015	2/23/2000				2.95	п	ь		7/17/2000	RW				
Method Blank		ATLAS MILL			WATER	7782-49-2	Selenium		U					3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-22-4	Silver	1.01		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-23-5	Sodium	22.30		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-28-0	Thallium	0.26		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-62-2	Vanadium	0.09		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000015	2/23/2000	WATER	7440-66-6	Zinc	2.03		В		7/17/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000016	2/23/2000	WATER	7429-90-5	Aluminum	1.22	U			7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7440-36-0	Antimony	0.16		В		7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7440-39-3	Barium	0.04	U			7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7440-41-7	Beryllium	0.04		В		7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7440-43-9	Cadmium	0.04	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL							U								
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER	7440-70-2	Calcium	2.95				7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER	7440-48-4	Cobalt	0.03		В		7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000016	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifiers	s	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	2	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7439-89-6	Iron	3.69	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL									-						
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER	7439-92-1	Lead	0.03	U		$\dashv$	7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000016	2/23/2000	WATER	7439-95-4	Magnesium	172.00		В		7/24/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7439-96-5	Manganese	0.02	U			7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/10/2000	RW	7471A	NA	None	
		ATLAS MILL							U		$\rightarrow$						
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER	7440-02-0	Nickel	0.39		В	$\dashv$	7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000016	2/23/2000	WATER	7440-09-7	Potassium	4.85	U			7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7440-22-4		0.74		D			RW				
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER		Silver			В	$\dashv$	7/18/2000		3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000016	2/23/2000	WATER	7440-23-5	Sodium	34.80		В	<del></del>	7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000016	2/23/2000	WATER	7440-28-0	Thallium	0.36		В		7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000016	2/23/2000	WATER	7440-62-2	Vanadium	0.05	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
Method Blank	NA	SITE	RBLK0000016	2/23/2000	WATER	7440-66-6	Zinc	0.40	U		$\rightarrow$	7/18/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7429-90-5	Aluminum	57.10		В		9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X, NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-36-0	Antimony	3.18		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X, NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-38-2	Arsenic	1.58		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X, NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-39-3	Barium	3.61		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-41-7	Beryllium	2.97		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X, NA - Not Analyzed. Mercury was not analyzed for in this sample.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample								Ī						
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									C	2	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-43-9	Cadmium	3.16		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X, NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-70-2	Calcium	168.00		В		9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-47-3	Chromium	3.41		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-48-4	Cobalt	3.27		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-50-8	Copper	4.93		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7439-89-6	Iron	7.31	U			9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7439-92-1	Lead	0.47		В		9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7439-95-4	Magnesium	21.10		В		9/12/2000	RW	3051/6020	NA NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7439-96-5	Manganese	4.71		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									C	:	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7439-97-6	Mercury	NA				NA	NA	7471A	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-02-0	Nickel	3.86		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-09-7	Potassium	255.00		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7782-49-2	Selenium	0.76	U			9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-22-4	Silver	2.76		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-23-5	Sodium	55.40		В		9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-28-0	Thallium	3.63		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-62-2	Vanadium	3.33		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017R	2/23/2000	WATER	7440-66-6	Zinc	8.35		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01059B, A0.01060U, A0.01063X. NA - Not Analyzed. Mercury was not analyzed for in this sample.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	2	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7429-90-5	Aluminum	16.60		В		9/19/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for ir this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-36-0	Antimony	0.05	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-38-2	Arsenic	0.61		В		9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-39-3	Barium	0.10	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-41-7	Beryllium	0.05	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-43-9	Cadmium	0.06	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-70-2	Calcium	28.10	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-47-3	Chromium	0.10	U			9/15/2000	RW	3051/6020	NA NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank		ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-48-4	Cobalt	0.06	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	Qualifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
										С	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-50-8	Copper	0.54		В		9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7439-89-6	Iron	7.31	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7439-92-1	Lead	0.12	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7439-95-4	Magnesium	10.30	Ū			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7439-96-5	Manganese	0.25		В		9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A, NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7439-97-6	Mercury	NA				NA	NA	7471A	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-02-0	Nickel	0.15		В		9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-09-7	Potassium	16.40	U			9/15/2000	RW	3051/6020	NA NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank		ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7782-49-2	Selenium	2.74		В		9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	_	Project	NAREL Sample														_
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	C	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-22-4	Silver	0.08		В		9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-23-5	Sodium	28.60	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-28-0	Thallium	0.06	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-62-2	Vanadium	0.07	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018R	2/23/2000	WATER	7440-66-6	Zinc	0.29	U			9/15/2000	RW	3051/6020	NA	None	This blank represents sample A0.01082A. NA - Not Analyzed. Mercury was not analyzed for in this sample.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7429-90-5	Aluminum	13.80		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-36-0	Antimony	2.23		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-38-2	Arsenic	1.18		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-39-3	Barium	2.42		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample													
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qua	lifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									C	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-41-7	Beryllium	2.33		В	9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-43-9	Cadmium	2.35		В	9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-70-2	Calcium	150.00		В	9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-47-3	Chromium	2.96		В	9/11/2000	RW	3051/6020	NA.	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-48-4	Cobalt	2.87		В	9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-50-8	Copper	3.55		В	9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7439-89-6	Iron	26.90		В	9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7439-92-1	Lead	2.43		В	9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7439-95-4	Magnesium	137.00		В	9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		Qualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	С	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7439-96-5	Manganese	2.03		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/13/2000	RW	7471A	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-02-0	Nickel	3.71		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-09-7	Potassium	116.00		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7782-49-2	Selenium	0.76	U			9/12/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-22-4	Silver	2.35		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-23-5	Sodium	142.00		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-28-0	Thallium	2.22		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-62-2	Vanadium	2.10		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	С	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000017	2/23/2000	WATER	7440-66-6	Zinc	2.94		В		9/11/2000	RW	3051/6020	NA	None	This blank represents samples A0.01052U - A0.01058B, A0.01061V - A0.01062W, and A0.01064Y - A0.01071X.
Mathed Block	NA.	ATLAS MILL	DDI KOOOOOIO	2/22/2000	WATER	7420.00.5	Alemine	10.70		D		0/10/2000	DW	2051/(020	214	None	This blank represents samples A0.01072Y -
Method Blank	NA	SITE	RBLK0000018	2/23/2000	WATER	7429-90-5	Aluminum	19.70		В		9/19/2000	RW	3051/6020	NA	None	A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-36-0	Antimony	0.05	U			9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-38-2	Arsenic	0.22		В		9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-39-3	Barium	0.10	U			9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-41-7	Beryllium	0.05	Ū			9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-43-9	Cadmium	0.06	Ū			9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-70-2	Calcium	50.90		В		9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank		ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-47-3	Chromium	0.10	Ū			9/15/2000	RW	3051/6020	NA.	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier	·s	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									(	2	Q						
		ATLAS MILL															This blank represents samples A0.01072Y -
Method Blank	NA	SITE	RBLK0000018	2/23/2000	WATER	7440-48-4	Cobalt	0.06	U			9/15/2000	RW	3051/6020	NA	None	A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-50-8	Copper	2.79		В		9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.010812 and A0.01083B - A0.01091B.
		ATLAS MILL	DD1150000010	2/22/2000	W. Carre	7100.00 (		10.70				0/15/0000		2051/(000			This blank represents samples A0.01072Y -
Method Blank	NA	SITE	RBLK0000018	2/23/2000	WATER	7439-89-6	Iron	18.70		В		9/15/2000	RW	3051/6020	NA	None	A0.01081Z and A0.01083B - A0.01091B.
		ATLAS MILL															This blank represents samples A0.01072Y -
Method Blank	NA	SITE	RBLK0000018	2/23/2000	WATER	7439-92-1	Lead	0.12	U	$\vdash$		9/15/2000	RW	3051/6020	NA	None	A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7439-95-4	Magnesium	10.90		В		9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7439-96-5	Manganese	0.26		В		9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7439-97-6	Mercury	0.03	Ū			3/14/2000	RW	7471A	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank	NA	ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-02-0	Nickel	0.07	Ū			9/15/2000	RW	3051/6020	NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.
Method Blank		ATLAS MILL SITE	RBLK0000018	2/23/2000	WATER	7440-02-0	Potassium	16.40	U			9/15/2000	RW	3051/6020	NA NA	None	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Method Blank   NA   ATLAS MILL   RBLK0000018   2/23/2000   WATER   7/82-49-2   Selenium   0.83   B   9/15/2000   RW   3051/6020   NA   Not   Not   NA   NA   ATLAS MILL   RBLK0000018   2/23/2000   WATER   7/440-22-4   Silver   0.01   U   9/15/2000   RW   3051/6020   NA   Not   NA   NA   ATLAS MILL   RBLK0000018   2/23/2000   WATER   7/440-23-5   Sodium   28/60   U   9/15/2000   RW   3051/6020   NA   Not   Not   NA   ATLAS MILL   RBLK0000018   2/23/2000   WATER   7/440-23-5   Sodium   28/60   U   9/15/2000   RW   3051/6020   NA   Not   Not   NA   ATLAS MILL	This blank represents samples A0.01072Y -	Artifacts:  None	1 exture:	Method	Analyst	Date Analyzed	ifiers	Qua	Concentration (ug/L)	Analyte	CAS Number	Matrix:	Date Collected:				
Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7782-49-2         Selenium         0.83         B         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No	A0.01081Z and A0.01083B - A0.01091B.  This blank represents samples A0.01072Y -	None					-							π.	Name:	Strata (III)	Sample ID:
Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7782-49-2         Selenium         0.83         B         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No	A0.01081Z and A0.01083B - A0.01091B.  This blank represents samples A0.01072Y -	None					Q	С									
Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7782-49-2         Selenium         0.83         B         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No	A0.01081Z and A0.01083B - A0.01091B.  This blank represents samples A0.01072Y -	None															
Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7782-49-2         Selenium         0.83         B         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No	A0.01081Z and A0.01083B - A0.01091B.  This blank represents samples A0.01072Y -	None															
Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No	A0.01081Z and A0.01083B - A0.01091B.  This blank represents samples A0.01072Y -	None													ATLAS MILL		
Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No			NA	3051/6020	RW	9/15/2000	3		0.83	Selenium	7782-49-2	WATER	2/23/2000	RBLK0000018	SITE	NA	Method Blank
Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         ATLAS MILL         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No																	
Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7440-22-4         Silver         0.01         U         9/15/2000         RW         3051/6020         NA         No           Method Blank         NA         SITE         RBLK0000018         2/23/2000         WATER         7440-23-5         Sodium         28.60         U         9/15/2000         RW         3051/6020         NA         No																	
Method Blank NA ATLAS MILL RBLK0000018 2/23/2000 WATER 7440-23-5 Sodium 28.60 U 9/15/2000 RW 3051/6020 NA No.															ATLAS MILL		
Method Blank NA SITE RBLK0000018 2/23/2000 WATER 7440-23-5 Sodium 28.60 U 9/15/2000 RW 3051/6020 NA No.		None	NA	3051/6020	RW	9/15/2000		U	0.01	Silver	7440-22-4	WATER	2/23/2000	RBLK0000018		NA	Method Blank
Method Blank NA SITE RBLK0000018 2/23/2000 WATER 7440-23-5 Sodium 28.60 U 9/15/2000 RW 3051/6020 NA No.																	
Method Blank NA SITE RBLK0000018 2/23/2000 WATER 7440-23-5 Sodium 28.60 U 9/15/2000 RW 3051/6020 NA No.																	
Method Blank NA SITE RBLK0000018 2/23/2000 WATER 7440-23-5 Sodium 28.60 U 9/15/2000 RW 3051/6020 NA No.	This blank represents samples A0.01072Y -														ATI AS MILI		
	A0.01081Z and A0.01083B - A0.01091B.	None	NA	3051/6020	RW	9/15/2000		U	28.60	Sodium	7440-23-5	WATER	2/23/2000	RBLK0000018		NA	Method Blank
	This block assessment assessment AO 01072V														ATLACADIL		
Method Blank NA SITE RBLK0000018 2/23/2000 WATER 7440-28-0 Thallium 0.06 U 9/15/2000 RW 3051/6020 NA No	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.	None	NA	3051/6020	RW	9/15/2000		U	0.06	Thallium	7440-28-0	WATER	2/23/2000	RBLK0000018		NA	Method Blank
ATLAS MILL	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.	None	NA	3051/6020	RW	9/15/2000	3		0.13	Vanadium	7440-62-2	WATER	2/23/2000	RBLK0000018		NA	Method Blank
ATLAS MILL	This blank represents samples A0.01072Y - A0.01081Z and A0.01083B - A0.01091B.	None	NA	3051/6020	RW	9/15/2000		U	0.29	Zinc	7440-66-6	WATER	2/23/2000	RBLK0000018		NA	Method Blank
ATLAS MILL		None					,				7420 00 5			PDI V0000010			
ATLAS MILL	<del>-  </del>														ATLAS MILL		
ATLAS MILL	+	None								Antimony					ATLAS MILL	NA	
Method Blank         NA         SITE         RBLK0000019         2/23/2000         WATER         7440-38-2         Arsenic         2.00         B         9/22/2000         RW         3051/6020         NA         Not		None	NA	3051/6020	RW	9/22/2000	3	$\vdash$	2.00	Arsenic	7440-38-2	WATER	2/23/2000	RBLK0000019		NA	Method Blank
		None	NA	3051/6020	RW	9/22/2000	3		0.49	Barium	7440-39-3	WATER	2/23/2000	RBLK0000019	SITE	NA	Method Blank
Method Blank NA SITE RBLK0000019 2/23/2000 WATER 7440-41-7 Beryllium 0.26 B 9/22/2000 RW 3051/6020 NA No		None	NA	3051/6020	RW	9/22/2000	3		0.26	Beryllium	7440-41-7	WATER	2/23/2000	RBLK0000019	SITE	NA	Method Blank
		None	NA	3051/6020	RW	9/22/2000	3		0.28	Cadmium	7440-43-9	WATER	2/23/2000	RBLK0000019	SITE	NA	Method Blank
ATLAS MILL		None	NA	3051/6020	RW	9/22/2000	3		94.60	Calcium	7440-70-2	WATER	2/23/2000	RBLK0000019		NA	Method Blank
ATLAS MILL															ATLAS MILL		
ATLAS MILL		None													ATLAS MILL		
Method Blank         NA         SITE         RBLK0000019         2/23/2000         WATER         7440-48-4         Cobalt         0.30         B         9/22/2000         RW         3051/6020         NA         Not		None	NA	3051/6020	RW	9/22/2000	3	$\vdash$	0.30	Cobalt	7440-48-4	WATER	2/23/2000	RBLK0000019		NA	Method Blank
		None	NA	3051/6020	RW	9/22/2000	3		0.51	Copper	7440-50-8	WATER	2/23/2000	RBLK0000019	SITE	NA	Method Blank
Method Blank NA SITE RBLK0000019 2/23/2000 WATER 7439-89-6 Iron 83.40 B 10/2/2000 RW 3051/6020 NA No			NA	3051/6020	RW	10/2/2000	3		83.40	Iron	7439-89-6	WATER	2/23/2000	RBLK0000019	SITE	NA	Method Blank
ATLAS MILL   Method Blank   NA   SITE   RBLK0000019   2/23/2000   WATER   7439-92-1   Lead   0.46   B   9/22/2000   RW   3051/6020   NA   No		None													LATLAS MILL		1

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	l	Project	NAREL Sample		l	l			ı		1						
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									C	2	Q						
Method Blank	NA	ATLAS MILL SITE	RBLK0000019	2/23/2000	WATER	7439-95-4	Magnesium	91.30		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000019	2/23/2000	WATER	7439-96-5	Manganese	1.05		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000019	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/16/2000	RW	7471A	NA	None	
		ATLAS MILL								В							
Method Blank	NA	SITE ATLAS MILL	RBLK0000019	2/23/2000	WATER	7440-02-0	Nickel	0.63				9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000019	2/23/2000	WATER	7440-09-7	Potassium	85.80		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000019	2/23/2000	WATER	7782-49-2	Selenium	2.92		В		10/2/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE ATLAS MILL	RBLK0000019	2/23/2000	WATER	7440-22-4	Silver	0.17		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	SITE	RBLK0000019	2/23/2000	WATER	7440-23-5	Sodium	111.00		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000019	2/23/2000	WATER	7440-28-0	Thallium	0.26		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000019	2/23/2000	WATER	7440-62-2	Vanadium	0.49		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank	NA	ATLAS MILL SITE	RBLK0000019	2/23/2000	WATER	7440-66-6	Zinc	0.90		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7429-90-5	Aluminum	5.36	U			10/5/2000	RW	3051/6020	NA	None	
		ATLAS MILL							0								
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-36-0	Antimony	0.09		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-38-2	Arsenic	0.20	U			9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-39-3	Barium	2.17		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-41-7	Beryllium	0.06		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE	RBLK0000020	2/23/2000	WATER	7440-43-9	Cadmium	0.13		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-70-2	Calcium	44.30		В		10/2/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-47-3	Chromium	0.34		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-48-4	Cobalt	0.11		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-50-8	Copper	0.83		В		9/22/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7439-89-6	Iron	12.40		В		10/2/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7439-92-1	Lead	0.43		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7439-95-4	Magnesium	10.30	U			10/2/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7439-96-5	Manganese	3.24	$\vdash \vdash$	В	$\sqcup$	9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE	RBLK0000020	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/16/2000	RW	7471A	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-02-0	Nickel	0.48		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-09-7	Potassium	22.00		В		10/2/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7782-49-2	Selenium	0.76	U			9/22/2000	RW	3051/6020	NA	None	
Method Blank		ATLAS MILL SITE	RBLK0000020	2/23/2000	WATER	7440-22-4	Silver	0.09		В		9/22/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-23-5	Sodium	55.10		В		10/2/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-28-0	Thallium	0.08		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE ATLAS MILL	RBLK0000020	2/23/2000	WATER	7440-62-2	Vanadium	0.89		В		9/22/2000	RW	3051/6020	NA	None	
Method Blank		SITE	RBLK0000020	2/23/2000	WATER	7440-66-6	Zinc	3.06		В		9/22/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample														
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifier		Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							(	2	Q						
QA1	NA	SITE	A0.01035T	2/23/2000	WATER	7429-90-5	Aluminum	2.88		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-36-0	Antimony	0.07	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-39-3	Barium	0.14		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-41-7	Beryllium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
QAI	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-43-9	Cadmium	0.01	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-70-2	Calcium	245.00		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7440-48-4				В							
QA1	NA	SITE ATLAS MILL	A0.01035T	2/23/2000	WATER		Cobalt	0.01		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	SITE ATLAS MILL	A0.01035T	2/23/2000	WATER	7440-50-8	Copper	0.03	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	SITE ATLAS MILL	A0.01035T	2/23/2000	WATER	7439-89-6	Iron	3.69	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	SITE ATLAS MILL	A0.01035T	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	SITE ATLAS MILL	A0.01035T	2/23/2000	WATER	7439-95-4	Magnesium	297.00		В		7/24/2000	RW	3051/6020	NA	None	
QA1	NA	SITE ATLAS MILL	A0.01035T	2/23/2000	WATER	7439-96-5	Manganese	0.43		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	SITE	A0.01035T	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-02-0	Nickel	0.21		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-09-7	Potassium	4.85	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7782-49-2	Selenium	2.95	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-22-4	Silver	0.31		В		7/18/2000	RW	3051/6020	NA	None	
QAI	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-23-5	Sodium	396.00		В		7/18/2000	RW	3051/6020	NA	None	
QAI	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-28-0	Thallium	0.30		В		7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-62-2	Vanadium	0.05	U			7/18/2000	RW	3051/6020	NA	None	
QA1	NA	ATLAS MILL SITE	A0.01035T	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL							0								
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7429-90-5	Aluminum	404.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-36-0	Antimony	171.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-38-2	Arsenic	227.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-39-3	Barium	849.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-41-7	Beryllium	147.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-43-9	Cadmium	46.30				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-70-2	Calcium	2.95	U			7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE	A0.01036U	2/23/2000	WATER	7440-47-3	Chromium	396.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7440-48-4	Cobalt	150.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7440-50-8	Copper	575.00				7/18/2000	RW	3051/6020	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7439-89-6	Iron	295.00				7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Storte (m)	Project	NAREL Sample #:	Date Collected:	35-4-1	CAS Number	Amalada	Communication (co./I)	Qualif		Detector local	414	Method	T	Artifacts:	Comments
Sample ID:	Strata (m)	Name:	#:	Date Conecteu:	Matrix:	CAS Number	Analyte	Concentration (ug/L)			Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	Q						
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7439-92-1	Lead	435.00		-	7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7439-95-4	Magnesium	161.00	В	_	7/24/2000	RW	3051/6020	NA	None	
QA2	NA	SITE	A0.01036U	2/23/2000	WATER	7439-96-5	Manganese	725.00			7/18/2000	RW	3051/6020	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7439-97-6	Mercury	8.62			3/9/2000	RW	7471A	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7440-02-0	Nickel	776.00			7/18/2000	RW	3051/6020	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7440-09-7	Potassium	28.90	В		7/18/2000	RW	3051/6020	NA	None	
QA2	NA	ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7782-49-2	Selenium	203.00			7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL SITE	A0.01036U	2/23/2000	WATER	7440-22-4		100.00				RW	3051/6020			
QA2	NA	ATLAS MILL					Silver			-	7/18/2000			NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-23-5	Sodium	246.00	В		7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-28-0	Thallium	230.00			7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-62-2	Vanadium	669.00		-	7/18/2000	RW	3051/6020	NA	None	
QA2	NA	SITE ATLAS MILL	A0.01036U	2/23/2000	WATER	7440-66-6	Zinc	340.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE	A0.01037V	2/23/2000	WATER	7429-90-5	Aluminum	370.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-36-0	Antimony	165.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-38-2	Arsenic	210.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-39-3	Barium	798.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-41-7	Beryllium	141.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-43-9	Cadmium	43.70			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-70-2		173.00	В		7/18/2000	RW	3051/6020	NA		
		ATLAS MILL					Calcium		ь						None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-47-3	Chromium	350.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-48-4	Cobalt	145.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-50-8	Copper	538.00		-	7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7439-89-6	Iron	267.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7439-92-1	Lead	407.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE	A0.01037V	2/23/2000	WATER	7439-95-4	Magnesium	1110.00	В		7/24/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7439-96-5	Manganese	681.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7439-97-6	Mercury	5.22			3/9/2000	RW	7471A	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-02-0	Nickel	743.00			7/18/2000	RW	3051/6020	NA	None	
QA3	NA	ATLAS MILL SITE	A0.01037V	2/23/2000	WATER	7440-09-7	Potassium	35.90	В	İ	7/18/2000	RW	3051/6020	NA	None	
		ATLAS MILL							В	1						
QA3	NA	ATLAS MILL	A0.01037V	2/23/2000	WATER	7782-49-2	Selenium	182.00		+	7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-22-4	Silver	91.60		-	7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-23-5	Sodium	261.00	В	-	7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-28-0	Thallium	217.00		-	7/18/2000	RW	3051/6020	NA	None	
QA3	NA	SITE	A0.01037V	2/23/2000	WATER	7440-62-2	Vanadium	624.00			7/18/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Streets (m)	Project	NAREL Sample #:	Date Collected:	Matrice	CAS Number	Amaluta	Concentration (va/L)	0	ualifiers		Data Analysis	Analust	Method	Toutous	Artifacts:	Comments
Sample ID:	Strata (m)	Name:	#:	Date Conecteu:	Matrix:	CAS Number	Analyte	Concentration (ug/L)				Date Analyzed	Analyst	Method	Texture:	Armacis:	Comments
		ATLAS MILL							(	3	Q						
QA3	NA	SITE ATLAS MILL	A0.01037V	2/23/2000	WATER	7440-66-6	Zinc	324.00				7/18/2000	RW	3051/6020	NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7429-90-5	Aluminum	1.22	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	SITE	A0.01014M	2/23/2000	WATER	7440-36-0	Antimony	0.13		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7440-38-2	Arsenic	0.55	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7440-39-3	Barium	0.06		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7440-41-7	Beryllium	0.02		В		7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL	A0.01014M	2/23/2000		7440-43-9	Cadmium			В		7/13/2000	RW	3051/6020			
QA4	NA	SITE ATLAS MILL			WATER			0.06							NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7440-70-2	Calcium	116.00		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7440-47-3	Chromium	0.57	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7440-48-4	Cobalt	0.01	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	SITE	A0.01014M	2/23/2000	WATER	7440-50-8	Copper	1.81		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7439-89-6	Iron	3.69	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7439-92-1	Lead	0.03	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7439-95-4	Magnesium	75.20		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7439-96-5	Manganese	0.84		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/7/2000	RW	7471A	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7440-02-0	Nickel	0.06	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7440-02-0	Potassium	4.85	II.			7/13/2000	RW	3051/6020	NA	None	
		ATLAS MILL				7782-49-2			U				RW				
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER		Selenium	5.82				7/14/2000		3051/6020	NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7440-22-4	Silver	0.87		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7440-23-5	Sodium	3820.00		В		7/14/2000	RW	3051/6020	NA	None	
QA4	NA	SITE ATLAS MILL	A0.01014M	2/23/2000	WATER	7440-28-0	Thallium	0.19		В		7/13/2000	RW	3051/6020	NA	None	
QA4	NA	SITE	A0.01014M	2/23/2000	WATER	7440-62-2	Vanadium	0.05	U			7/13/2000	RW	3051/6020	NA	None	
QA4	NA	ATLAS MILL SITE	A0.01014M	2/23/2000	WATER	7440-66-6	Zinc	0.40	U			7/13/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7429-90-5	Aluminum	399.00				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-36-0	Antimony	178.00				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-38-2	Arsenic	232.00				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-39-3	Barium	874.00				7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL															
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-41-7	Beryllium	140.00				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-43-9	Cadmium	46.30				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-70-2	Calcium	2.95	U			7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-47-3	Chromium	392.00				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE	A0.00983B	2/23/2000	WATER	7440-48-4	Cobalt	151.00				7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-50-8	Copper	587.00				7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client	Street (m)	Project	NAREL Sample #:	Date Collected:	35-4-1	CAS Number	Amalada	Community (see (f. )	Quali	c	Data da alamad	414	Method	T	Artifacts:	Comments
Sample ID:	Strata (m)	Name:	#:	Date Conecteu:	Matrix:	CAS Number	Analyte	Concentration (ug/L)			Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
		ATLAS MILL							С	Q						
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7439-89-6	Iron	337.00			7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7439-92-1	Lead	446.00			7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE	A0.00983B	2/23/2000	WATER	7439-95-4	Magnesium	13.10	В		7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7439-96-5	Manganese	726.00			7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7439-97-6	Mercury	9.04			3/7/2000	RW	7471A	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-02-0	Nickel	790.00			7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-09-7	Potassium	74.60	В		7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7782-49-2	Selenium	210.00			7/11/2000	RW	3051/6020	NA	None	
QA5	NA	ATLAS MILL SITE	A0.00983B	2/23/2000	WATER	7440-22-4	Silver	102.00			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-23-5	Sodium	83.60	В		7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-28-0	Thallium	234.00	-		7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-62-2	Vanadium	691.00		-	7/11/2000	RW	3051/6020	NA	None	
QA5	NA	SITE ATLAS MILL	A0.00983B	2/23/2000	WATER	7440-66-6	Zinc	341.00	_	-	7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7429-90-5	Aluminum	343.00	_		7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE	A0.00982A	2/23/2000	WATER	7440-36-0	Antimony	158.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-38-2	Arsenic	203.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-39-3	Barium	770.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-41-7	Beryllium	128.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-43-9	Cadmium	41.70			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-70-2	Calcium	270.00	В		7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-47-3		337.00			7/11/2000	RW	3051/6020	NA		
		ATLAS MILL					Chromium								None	
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7440-48-4	Cobalt	133.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7440-50-8	Copper	520.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7439-89-6	Iron	290.00	-+		7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7439-92-1	Lead	389.00		-	7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7439-95-4	Magnesium	127.00	В		7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE	A0.00982A	2/23/2000	WATER	7439-96-5	Manganese	643.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7439-97-6	Mercury	4.91			3/7/2000	RW	7471A	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-02-0	Nickel	704.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-09-7	Potassium	90.10	В		7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7782-49-2	Selenium	177.00			7/11/2000	RW	3051/6020	NA	None	
QA6	NA	ATLAS MILL SITE	A0.00982A	2/23/2000	WATER	7440-22-4	Silver	88.20			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL							<u> </u>							
QA6	NA	SITE ATLAS MILL	A0.00982A	2/23/2000	WATER	7440-23-5	Sodium	210.00	В		7/11/2000	RW	3051/6020	NA	None	
QA6	NA	SITE	A0.00982A	2/23/2000	WATER	7440-28-0	Thallium	212.00			7/11/2000	RW	3051/6020	NA	None	

Appendix 17. Dissolved metals in water from field sampling, February 2000.

Client		Project	NAREL Sample													
Sample ID:	Strata (m)	Name:	#:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Qualific	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:	Comments
									С	Q						
		ATLAS MILL														
QA6	NA	SITE	A0.00982A	2/23/2000	WATER	7440-62-2	Vanadium	604.00			7/11/2000	RW	3051/6020	NA	None	
		ATLAS MILL														
QA6	NA	SITE	A0.00982A	2/23/2000	WATER	7440-66-6	Zinc	303.00			7/11/2000	RW	3051/6020	NA	None	

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	_	ualifie	me.	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	1 roject ivanic.	NAKEL Sample #.	Date Concetcu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Wethou	Texture.	Ai tilacts.
		ATLAS MILL							(	<i>-</i>	Q					
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7429-90-5	Aluminum	1770				10/5/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7440-36-0	Antimony	0.46		В		9/22/2000	RW	3051/6020	NA	Yes
CIIII	110	ATLAS MILL	710.01100Q	2/23/2000	WATER	7440 30 0	Zintimony	0.40				312212000	1000	3031/0020	1171	103
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-38-2	Arsenic	4.98		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7440-39-3	Barium	143		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7440-41-7	Beryllium	0.35		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-43-9	Cadmium	0.36		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7440-70-2	Calcium	98100				10/2/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7440-47-3	Chromium	1.31		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								_						
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-48-4	Cobalt	0.7		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7440-50-8	Copper	2.94		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7439-89-6	Iron	1070				9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7439-92-1	Lead	0.85		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					Lead			Б						
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7439-95-4	Magnesium	43300				9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7439-96-5	Manganese	114				9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL								_						
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-02-0	Nickel	2.15		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-09-7	Potassium	6240				9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7782-49-2	Selenium	8.09				9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7440-22-4	Silver	0.52		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								Б						
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-23-5	Sodium	105000				10/2/2000	RW	3051/6020	NA	Yes
CHW	NS	SITE	A0.01106Q	2/23/2000	WATER	7440-28-0	Thallium	0.34		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	NS	ATLAS MILL SITE	A0.01106Q	2/23/2000	WATER	7440-62-2	Vanadium	3.85		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL										9/22/2000				
CHW	NS	SITE ATLAS MILL	A0.01106Q	2/23/2000	WATER	7440-66-6	Zinc	6		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	SITE ATLAS MILL	A0.01105P	2/23/2000	WATER	7429-90-5	Aluminum	1260				10/6/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-36-0	Antimony	0.1		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	ATLAS MILL SITE	A0.01105P	2/23/2000	WATER	7440-38-2	Arsenic	16.1				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-39-3	Barium	1380	<u> </u>			10/2/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

		1					I					1				
Client	a			D . G		G. G. Y.										
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										2	Q					i
		ATLAS MILL									Ì					
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-41-7	Beryllium	0.047	U			9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-43-9	Cadmium	0.1		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	Cail Daga	ATLAS MILL	A0.01105P	2/23/2000	WATER	7440-70-2	Coloium	348000				10/5/2000	RW	3051/6020	NA	Vac
CHW	Soil Pore	SITE ATLAS MILL	A0.01103F	2/23/2000	WAIEK	/440-70-2	Calcium	348000				10/3/2000	KW	3031/0020	INA	Yes
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-47-3	Chromium	1.6		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-48-4	Cobalt	0.89		В		9/22/2000	RW	3051/6020	NA	Yes
	a	ATLAS MILL		0/02/0000		#440 #0 O				_		0/22/2000	D.11.1	2051/5020	37.	
CHW	Soil Pore	SITE ATLAS MILL	A0.01105P	2/23/2000	WATER	7440-50-8	Copper	4.42		В		9/22/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7439-89-6	Iron	25500				9/22/2000	RW	3051/6020	NA	Yes
CIIII	50111010	ATLAS MILL	710.011001	2/23/2000	WILLER	7.137.07.0	11011	25500				<i>7/22/2000</i>	10,11	3021/0020	1111	1 65
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7439-92-1	Lead	0.83		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7439-95-4	Magnesium	121000				10/6/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	ATLAS MILL SITE	A0.01105P	2/23/2000	WATER	7439-96-5	Managanaga	5750				10/5/2000	RW	3051/6020	NA	Yes
CHW	Son Pore	ATLAS MILL	A0.01103F	2/23/2000	WAIEK	/439-90-3	Manganese	3730				10/3/2000	KW	3031/0020	INA	i es
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL					,									
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-02-0	Nickel	3.25		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														i
CHW	Soil Pore	SITE ATLAS MILL	A0.01105P	2/23/2000	WATER	7440-09-7	Potassium	8940		-		9/22/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7782-49-2	Selenium	7.12				9/22/2000	RW	3051/6020	NA	Yes
CIIII	50111010	ATLAS MILL	710.011001	2/23/2000	WILLER	7,702 17 2	Seleman	7.12				<i>7/22/2000</i>	10,11	3021/0020	1111	1 65
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-22-4	Silver	0.07		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-23-5	Sodium	530000				10/5/2000	RW	3051/6020	NA	Yes
CHW	Soil Pore	ATLAS MILL SITE	A0.01105P	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/22/2000	RW	3051/6020	NA	Yes
CIIW	Son role	ATLAS MILL	A0.011031	2/23/2000	WATEK	/440-28-0	Hamum	0.055	U			9/22/2000	KW	3031/0020	NA	1 65
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-62-2	Vanadium	4.1		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
CHW	Soil Pore	SITE	A0.01105P	2/23/2000	WATER	7440-66-6	Zinc	12.1		В		9/22/2000	RW	3051/6020	NA	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7429-90-5	Aluminum	20400				9/13/2000	RW	3051/6020	NA	Yes
UM I 191	IND	ATLAS MILL	AU.01039B	2/23/2000	WAIEK	/429-90-3	Alummum	20400				9/13/2000	IV. VV	3031/0020	INA	I es
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-36-0	Antimony	2.5		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					<u> </u>									
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-38-2	Arsenic	4.25		В		9/11/2000	RW	3051/6020	NA	Yes
HWW 101	NG	ATLAS MILL	A O O O COD	2/22/2000	WATER	7440 20 2	Dori	122		Р		0/11/2000	DW	2051/6020	NI A	V
HWY 191	NS	SITE ATLAS MILL	A0.01059B	2/23/2000	WATER	7440-39-3	Barium	132		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-41-7	Beryllium	2.8		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					. ,									
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-43-9	Cadmium	2.67		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		0/00/	****	#440 == -		0.45				0/40/	D	2054:		🗍
HWY 191	NS	SITE ATLAS MILL	A0.01059B	2/23/2000	WATER	7440-70-2	Calcium	94200		-		9/12/2000	RW	3051/6020	NA	Yes
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-47-3	Chromium	15.1				9/11/2000	RW	3051/6020	NA	Yes
1111 1 1/1	110	ULL	.10.01037B	2/23/2000	11 / 1 / L/IC	1770 77 3	Cinomiani	13.1				J/11/2000	10.77	2021/0020	11/1	103

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie	me	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	Troject Name.	NAKEL Sample #.	Date Concercu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Wethou	rexture.	Ai tilacts.
		ATLAS MILL								C	Q					
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-48-4	Cobalt	5.67		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7440-50-8	Copper	11.4		В		9/11/2000	RW	3051/6020	NA	Yes
11W 1 171	143	ATLAS MILL	A0.01037B	2/23/2000	WAILK	7440-30-8	Соррег	11.4		ь		3/11/2000	IC VV	3031/0020	IVA	103
HWY 191	NS	SITE ATLAS MILL	A0.01059B	2/23/2000	WATER	7439-89-6	Iron	9510				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7439-92-1	Lead	8.71				9/11/2000	RW	3051/6020	NA	Yes
HWV 101	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7439-95-4	Maanaaissaa	34200				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	N5	ATLAS MILL	A0.01039B	2/23/2000	WATER	7439-93-4	Magnesium	34200				9/11/2000	KW	3031/6020	NA	i es
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7439-96-5	Manganese	101				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7440-02-0	Nickel	12.3		В		9/11/2000	RW	3051/6020	NA	Yes
HW Y 191	NS	ATLAS MILL	A0.01059B	2/23/2000	WATEK	/440-02-0	Nickei	12.3		В		9/11/2000	KW	3031/0020	NA	Y es
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-09-7	Potassium	7730				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
IIII/I/ 101	NG	ATLAS MILL	4.0.01050D	2/22/2000	WATER	7440.22.4	6.1	2.02		Б		0/11/2000	DIV	2051/6020	27.4	
HWY 191	NS	SITE ATLAS MILL	A0.01059B	2/23/2000	WATER	7440-22-4	Silver	3.02		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-23-5	Sodium	137000				9/13/2000	RW	3051/6020	NA	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01059B	2/23/2000	WATER	7440-28-0	Thallium	2.61		В		9/11/2000	RW	3051/6020	NA	Yes
	NG	ATLAS MILL	A 0 01050D	2/22/2000	WATER	7440 (2.2	Mana diama	22.6		D		0/11/2000	DW	2051/6020	NIA	V
HWY 191	NS	SITE ATLAS MILL	A0.01059B	2/23/2000	WATER	7440-62-2	Vanadium	33.6		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	NS	SITE	A0.01059B	2/23/2000	WATER	7440-66-6	Zinc	36.5				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7429-90-5	Aluminum	6170				9/13/2000	RW	3051/6020	NA	Yes
HWW 101	C-:1 D	ATLAS MILL	40.0100011	2/22/2000	WATER	7440-36-0	A	2.54		В		9/11/2000	DW	2051/6020	NIA	V
HWY 191	Soil Pore	SITE ATLAS MILL	A0.01060U	2/23/2000	WATER	/440-36-0	Antimony	2.54		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7440-38-2	Arsenic	21.7				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-39-3	Barium	962				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-41-7	Beryllium	2.51		В		9/11/2000	RW	3051/6020	NA	Yes
HW I 191	Son Pole	ATLAS MILL	A0.01000U	2/23/2000	WATER	/440-41-/	Berymum	2.31		ь		9/11/2000	KW	3031/0020	NA	i es
HWY 191	Soil Pore	SITE ATLAS MILL	A0.01060U	2/23/2000	WATER	7440-43-9	Cadmium	2.69		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7440-70-2	Calcium	221000				9/12/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-47-3	Chromium	8.39		В		9/11/2000	RW	3051/6020	NA	Yes
	3011 1 016	ATLAS MILL					Cinomiulii					9/11/2000			IVA	1 55
HWY 191	Soil Pore	SITE ATLAS MILL	A0.01060U	2/23/2000	WATER	7440-48-4	Cobalt	5.02		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7440-50-8	Copper	8.14		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7439-89-6	Iron	24500				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7439-92-1	Lead	6.15				9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	E	D N	NAPEL C. I. "	D . C !! !	35	GAGN. I						B		35.0.1	m .	:.
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	Qualific	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
		ATLACAMIA							(	C	Q					
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7439-95-4	Magnesium	102000				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
HWY 191	Soil Pore	SITE ATLAS MILL	A0.01060U	2/23/2000	WATER	7439-96-5	Manganese	2280				9/12/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-02-0	Nickel	10.5		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL			W. America	#440.00 #						0/44/2000	D.111	2054/5020		
HWY 191	Soil Pore	SITE ATLAS MILL	A0.01060U	2/23/2000	WATER	7440-09-7	Potassium	13200				9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-22-4	Silver	2.86		В		9/11/2000	RW	3051/6020	NA	Yes
	Soil Pore	ATLAS MILL SITE	A0.01060U	2/22/2000	WATER	7440-23-5	C - 4'	717000				9/13/2000	DW	2051/6020	NIA	V
HWY 191	Son Pore	ATLAS MILL	A0.01060U	2/23/2000	WATEK	/440-23-3	Sodium	/1/000				9/13/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	SITE	A0.01060U	2/23/2000	WATER	7440-28-0	Thallium	2.63		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-62-2	Vanadium	17.5		В		9/11/2000	RW	3051/6020	NA	Yes
HWY 191	Soil Pore	ATLAS MILL SITE	A0.01060U	2/23/2000	WATER	7440-66-6	Zima	27.5				9/11/2000	RW	3051/6020	NA	Yes
HW 1 191	Son Pole	ATLAS MILL	A0.01000U	2/23/2000	WATER	/440-00-0	Zinc	21.3				9/11/2000	KW	3031/0020	INA	res
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7429-90-5	Aluminum	14600				10/5/2000	RW	3051/6020	NA	Yes
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-36-0	Antimony	0.06		В		9/22/2000	RW	3051/6020	NA	Yes
UX	NS	ATLAS MILL SITE	A0.01112N	2/23/2000	WATER	7440-38-2	Arsenic	3.54		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7440-39-3	Barium	131		В		9/22/2000	RW	3051/6020	NA	Yes
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-41-7	Beryllium	0.42		В		9/22/2000	RW	3051/6020	NA	Yes
UX	NS	ATLAS MILL SITE	A0.01112N	2/23/2000	WATER	7440-43-9	Cadmium	0.12		В		9/22/2000	RW	3051/6020	NA	Yes
	210	ATLAS MILL				5.110.50.5						40/2/2000	D.111		27.1	
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7440-70-2	Calcium	96500				10/2/2000	RW	3051/6020	NA	Yes
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-47-3	Chromium	9.15		В		9/22/2000	RW	3051/6020	NA	Yes
UX	NS	ATLAS MILL SITE	A0.01112N	2/23/2000	WATER	7440-48-4	Cobalt	2.97		В		9/22/2000	RW	3051/6020	NA	Yes
UX	NS	ATLAS MILL SITE	40.01112N	2/23/2000	WATER	7440-50-8	C	8.47		В		9/22/2000	RW	3051/6020	NA	V
UA	INS	ATLAS MILL	A0.01112N	2/23/2000	WATER	7440-30-8	Copper	6.47		ь		9/22/2000	KW	3031/0020	NA	Yes
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7439-89-6	Iron	8450				9/22/2000	RW	3051/6020	NA	Yes
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7439-92-1	Lead	5.41				9/22/2000	RW	3051/6020	NA	Yes
UX	NS	ATLAS MILL SITE	A0.01112N	2/23/2000	WATER	7439-95-4	Magnesium	34600				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7439-96-5	Manganese	110				9/22/2000	RW	3051/6020	NA	Yes
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7439-97-6	Mercury	0.033	U		-	3/16/2000	RW	7471A	NA	Yes
UX	NS	ATLAS MILL SITE	A0.01112N	2/23/2000	WATER	7440-02-0	Nickel	7.91		В		9/22/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

												1				
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	,	Q					
		ATLAS MILL							ì		~					
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-09-7	Potassium	7070				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7782-49-2	Selenium	6.78				9/22/2000	RW	3051/6020	NA	Yes
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-22-4	Silver	0.32		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				7.1.4 == 1		****				7,22,200				
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-23-5	Sodium	141000				10/2/2000	RW	3051/6020	NA	Yes
UX	NS	ATLAS MILL SITE	A0.01112N	2/23/2000	WATER	7440-28-0	Thallium	0.08		В		9/22/2000	RW	3051/6020	NA	Yes
UA	No	ATLAS MILL	A0.01112N	2/23/2000	WAIEK	/440-28-0	1 Hallium	0.08		Ь		9/22/2000	KW	3031/6020	NA	i es
UX	NS	SITE	A0.01112N	2/23/2000	WATER	7440-62-2	Vanadium	24.8		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	NS	SITE ATLAS MILL	A0.01112N	2/23/2000	WATER	7440-66-6	Zinc	33.7				9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7429-90-5	Aluminum	2060				10/5/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-36-0	Antimony	0.44		В		9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	ATLAS MILL SITE	A0.01113P	2/23/2000	WATER	7440-38-2	Arsenic	130				9/22/2000	RW	3051/6020	NA	Yes
UA.	3011 T OIC	ATLAS MILL	A0.011131	2/23/2000	WAILK	7440-38-2	Aiscilic	130				3/22/2000	ΚW	3031/0020	IVA	1 03
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-39-3	Barium	101		В		9/22/2000	RW	3051/6020	NA	Yes
1137	G 11 D	ATLAS MILL	40.01112B	2/22/2000	WATER	7440 41 7	D 11:	0.05		В		0/22/2000	DIV	2051/6020	27.4	37
UX	Soil Pore	SITE ATLAS MILL	A0.01113P	2/23/2000	WATER	7440-41-7	Beryllium	0.05		В		9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-43-9	Cadmium	0.09		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	Soil Pore	SITE ATLAS MILL	A0.01113P	2/23/2000	WATER	7440-70-2	Calcium	188000				10/2/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-47-3	Chromium	1.65		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-48-4	Cobalt	1.01		В		9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	ATLAS MILL SITE	A0.01113P	2/23/2000	WATER	7440-50-8	Copper	7.59		В		9/22/2000	RW	3051/6020	NA	Yes
- OA	Son rore	ATLAS MILL	A0.011131	2/23/2000	WAILK	7440-30-8	Соррег	1.57		ь		3/22/2000	ΚW	3031/0020	IVA	1 03
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7439-89-6	Iron	1540				9/22/2000	RW	3051/6020	NA	Yes
LIV	C - :1 D	ATLAS MILL	AO 01112D	2/22/2000	WATED	7420 02 1	1 1	1.71		В		0/22/2000	DW	2051/6020	NIA	
UX	Soil Pore	SITE ATLAS MILL	A0.01113P	2/23/2000	WATER	7439-92-1	Lead	1.71		В		9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7439-95-4	Magnesium	121000				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	Soil Pore	SITE ATLAS MILL	A0.01113P	2/23/2000	WATER	7439-96-5	Manganese	592				9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7439-97-6	Mercury	0.033	U		1	3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL														
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-02-0	Nickel	5.58		В		9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	ATLAS MILL SITE	A0.01113P	2/23/2000	WATER	7440-09-7	Potassium	13200				9/22/2000	RW	3051/6020	NA	Yes
UA	Son i oic	ATLAS MILL	A0.011131	2/23/2000	WALLK	/440-07-/	1 Otassiuili	13200				712212000	17. 44	3031/0020	11/1	103
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7782-49-2	Selenium	19.6				9/22/2000	RW	3051/6020	NA	Yes
IIV	Cail Dan-	ATLAS MILL	AO 01112B	2/22/2000	WATED	7440 22 4	Cilvon	0.25		D		9/22/2000	DW	2051/6020	N/A	Vac
UX	Soil Pore	SITE ATLAS MILL	A0.01113P	2/23/2000	WATER	7440-22-4	Silver	0.25		В		9/22/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-23-5	Sodium	260000				10/2/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										7	Q					
		ATLAS MILL									V					
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	Soil Pore	SITE	A0.01113P	2/23/2000	WATER	7440-62-2	Vanadium	1230				10/2/2000	RW	3051/6020	NA	Yes
UX	Soil Pore	ATLAS MILL SITE	A0.01113P	2/23/2000	WATER	7440-66-6	Zinc	26				9/22/2000	RW	3051/6020	NA	Yes
UA	30111010	ATLAS MILL	A0.011131	2/23/2000	WAILK	7440-00-0	Zinc	20				7/22/2000	IC W	3031/0020	IVA	1 03
UX	1	SITE	A0.01111M	2/23/2000	WATER	7429-90-5	Aluminum	70500				10/5/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		0.00.000		#440.0c.0				_		0/22/2000	D.V.	2051/5020	37.	**
UX	1	SITE ATLAS MILL	A0.01111M	2/23/2000	WATER	7440-36-0	Antimony	0.3		В		9/22/2000	RW	3051/6020	NA	Yes
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-38-2	Arsenic	27.9				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-39-3	Barium	570				9/22/2000	RW	3051/6020	NA	Yes
UX	1	ATLAS MILL SITE	A0.01111M	2/23/2000	WATER	7440-41-7	Beryllium	2.73		В		9/22/2000	RW	3051/6020	NA	Yes
UA	1	ATLAS MILL	AU.UTTTWI	2/23/2000	WAILK	/440-41-/	Berymuni	2.73		ь		7/22/2000	IC W	3031/0020	IVA	1 03
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-43-9	Cadmium	1.36		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		0.00.000		#440 #0 <b>*</b>		******				40/2/2000	D.V.	2051/5020	37.	**
UX	1	SITE ATLAS MILL	A0.01111M	2/23/2000	WATER	7440-70-2	Calcium	208000				10/2/2000	RW	3051/6020	NA	Yes
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-47-3	Chromium	51.9				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL	***					- "								
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-48-4	Cobalt	22.8		В		9/22/2000	RW	3051/6020	NA	Yes
UX	1	ATLAS MILL SITE	A0.01111M	2/23/2000	WATER	7440-50-8	Copper	60.5				9/22/2000	RW	3051/6020	NA	Yes
UA	1	ATLAS MILL	AU.UITIIVI	2/23/2000	WATER	7440-30-8	Соррег	00.3				9/22/2000	KW	3031/0020	NA	1 65
UX	1	SITE	A0.01111M	2/23/2000	WATER	7439-89-6	Iron	59600				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		0.00.000		#420.02.4		50.5				0 (00 (00 00	D.V.	2051/5020		**
UX	I	SITE ATLAS MILL	A0.01111M	2/23/2000	WATER	7439-92-1	Lead	52.5				9/22/2000	RW	3051/6020	NA	Yes
UX	1	SITE	A0.01111M	2/23/2000	WATER	7439-95-4	Magnesium	63900				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	1	SITE	A0.01111M	2/23/2000	WATER	7439-96-5	Manganese	1310				10/2/2000	RW	3051/6020	NA	Yes
UX	1	ATLAS MILL SITE	A0.01111M	2/23/2000	WATER	7439-97-6	Mercury	0.049		В		3/16/2000	RW	7471A	NA	Yes
UA	1	ATLAS MILL	AU.UITIIVI	2/23/2000	WATER	7439-97-0	Wiercury	0.049		ь		3/10/2000	KW	/4/1A	NA	1 65
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-02-0	Nickel	52.6				9/22/2000	RW	3051/6020	NA	Yes
1137		ATLAS MILL	40.0111116	2/22/2000	WATER	7440.00.7	D	1,000				0/22/2006	DW	2051/6026	27.4	
UX	1	SITE ATLAS MILL	A0.01111M	2/23/2000	WATER	7440-09-7	Potassium	16000		-		9/22/2000	RW	3051/6020	NA	Yes
UX	1	SITE	A0.01111M	2/23/2000	WATER	7782-49-2	Selenium	11.6				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-22-4	Silver	0.64		В		9/22/2000	RW	3051/6020	NA	Yes
UX	1	ATLAS MILL SITE	A0.01111M	2/23/2000	WATER	7440-23-5	Sodium	133000				10/2/2000	RW	3051/6020	NA	Yes
UA	1	ATLAS MILL	710.0111111	2/23/2000	**************************************	1770-23-3	Soutum	133000				10/2/2000	17.44	3031/0020	11/1	103
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-28-0	Thallium	0.91		В		9/22/2000	RW	3051/6020	NA	Yes
1137		ATLAS MILL	40.0111114	2/22/2000	WATER	7440 62 2		104				0/22/2000	DW	2051/0020	31.4	v
UX	1	SITE ATLAS MILL	A0.01111M	2/23/2000	WATER	7440-62-2	Vanadium	194		-		9/22/2000	RW	3051/6020	NA	Yes
UX	1	SITE	A0.01111M	2/23/2000	WATER	7440-66-6	Zinc	247				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	5	SITE	A0.01110L	2/23/2000	WATER	7429-90-5	Aluminum	15100		<u> </u>		10/5/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	Etasta (as)	David and Manage	NADEL Commit #	Dete Cellerted	Madelini	CAS Number	A 14 .	Communication (co.ff.)		1.0		Dete Analogad	Amalmat	M.d. J	Tt	A 42 C 4
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie		Date Analyzed	Analyst	Method	Texture:	Artifacts:
		ATLAS MILL							(	2	Q					
UX	5	SITE	A0.01110L	2/23/2000	WATER	7440-36-0	Antimony	0.07		В		9/22/2000	RW	3051/6020	NA	Yes
	_	ATLAS MILL														
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7440-38-2	Arsenic	3.42		В		9/22/2000	RW	3051/6020	NA	Yes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7440-39-3	Barium	153		В		9/22/2000	RW	3051/6020	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7440-41-7	Beryllium	0.53		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7440-43-9	Cadmium	0.17		В		9/22/2000	RW	3051/6020	NA	Yes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7440-70-2	Calcium	100000				10/2/2000	RW	3051/6020	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7440-47-3	Chromium	8.36		В		9/22/2000	RW	3051/6020	NA	Yes
UA	3	ATLAS MILL	A0.01110L	2/23/2000	WATER	/440-47-3	Cinomium	8.30		ь		9/22/2000	IX VV	3031/0020	INA	Tes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7440-48-4	Cobalt	3.86		В		9/22/2000	RW	3051/6020	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7440-50-8	Copper	11.5		В		9/22/2000	RW	3051/6020	NA	Yes
LIV		ATLAS MILL	40.011101	2/22/2000	WATER	7420.80.6	T	9650				9/22/2000	DW	2051/6020	NIA	V
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7439-89-6	Iron	9650				9/22/2000	RW	3051/6020	NA	Yes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7439-92-1	Lead	8.07				9/22/2000	RW	3051/6020	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7439-95-4	Magnesium	34300				9/22/2000	RW	3051/6020	NA	Yes
	,	ATLAS MILL	40.011101	2/22/2000	WATER	7430.06.5		102				0/22/2000	DW	2051/6020	27.4	
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7439-96-5	Manganese	183				9/22/2000	RW	3051/6020	NA	Yes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7440-02-0	Nickel	9.83		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7440-09-7	Potassium	6920				9/22/2000	RW	3051/6020	NA	Yes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7782-49-2	Selenium	7.36				9/22/2000	RW	3051/6020	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7440-22-4	Silver	0.34		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7440-23-5	Sodium	134000				10/2/2000	RW	3051/6020	NA	Yes
UX	5	SITE	A0.01110L	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/22/2000	RW	3051/6020	NA	Yes
UX	5	ATLAS MILL SITE	A0.01110L	2/23/2000	WATER	7440-62-2	Vanadium	23		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					v anaurum			ь						
UX	5	SITE ATLAS MILL	A0.01110L	2/23/2000	WATER	7440-66-6	Zinc	43.3				9/22/2000	RW	3051/6020	NA	Yes
UX	10	SITE	A0.01109U	2/23/2000	WATER	7429-90-5	Aluminum	15800				10/5/2000	RW	3051/6020	NA	Yes
UX	10	ATLAS MILL SITE	A0.01109U	2/23/2000	WATER	7440-36-0	Antimony	0.26		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					Antimony									
UX	10	SITE ATLAS MILL	A0.01109U	2/23/2000	WATER	7440-38-2	Arsenic	3.08		В		9/22/2000	RW	3051/6020	NA	Yes
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-39-3	Barium	118		В		9/22/2000	RW	3051/6020	NA	Yes
UX	10	ATLAS MILL SITE	A0.01109U	2/23/2000	WATER	7440-41-7	Beryllium	0.56		В		9/22/2000	RW	3051/6020	NA	Yes
UA	10	SHE	A0.01109U	2/23/2000	WAIEK	/440-41-/	Beryllium	0.50		В		9/22/2000	KW	3031/0020	INA	r es

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	٦.	Q					l l
		ATLAS MILL									V					
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-43-9	Cadmium	0.2		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-70-2	Calcium	92000				10/2/2000	RW	3051/6020	NA	Yes
UX	10	ATLAS MILL SITE	A0.01109U	2/23/2000	WATER	7440-47-3	Chromium	9.51		В		9/22/2000	RW	3051/6020	NA	Yes
- OA	10	ATLAS MILL	A0.01107C	2/23/2000	WAILK	7440-47-3	Chronnam	7.51		ь		7/22/2000	ΙζΨ	3031/0020	IVA	1 03
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-48-4	Cobalt	2.8		В		9/22/2000	RW	3051/6020	NA	Yes
1137	10	ATLAS MILL	40.0110011	2/22/2000	WATER	7440.50.0		7.74		ъ.		0/22/2000	DIV	2051/6020	37.4	
UX	10	SITE ATLAS MILL	A0.01109U	2/23/2000	WATER	7440-50-8	Copper	7.74		В		9/22/2000	RW	3051/6020	NA	Yes
UX	10	SITE	A0.01109U	2/23/2000	WATER	7439-89-6	Iron	8540				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	10	SITE	A0.01109U	2/23/2000	WATER	7439-92-1	Lead	5.17				9/22/2000	RW	3051/6020	NA	Yes
UX	10	ATLAS MILL SITE	A0.01109U	2/23/2000	WATER	7439-95-4	Magnesium	32100				9/22/2000	RW	3051/6020	NA	Yes
071	10	ATLAS MILL	710.011070	2/23/2000	WITTER	7437 75 4	iviagnesium	32100				7/22/2000	ICW	303170020	1471	1 63
UX	10	SITE	A0.01109U	2/23/2000	WATER	7439-96-5	Manganese	85.6				9/22/2000	RW	3051/6020	NA	Yes
1137	10	ATLAS MILL	40.0110011	2/22/2000	WATER	7420.07.6		0.022				2/16/2000	DIV	7471 4	37.4	
UX	10	SITE ATLAS MILL	A0.01109U	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-02-0	Nickel	9.01		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-09-7	Potassium	6880				9/22/2000	RW	3051/6020	NA	Yes
UX	10	ATLAS MILL SITE	A0.01109U	2/23/2000	WATER	7782-49-2	Selenium	4.62		В		9/22/2000	RW	3051/6020	NA	Yes
011		ATLAS MILL	110.011070	2/23/2000	77777237	7702 17 2	Seleman	1.02				3/22/2000	2017	3031,0020	1,1.1	105
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-22-4	Silver	0.34		В		9/22/2000	RW	3051/6020	NA	Yes
UX	10	ATLAS MILL SITE	A0.01109U	2/23/2000	WATER	7440-23-5	Sodium	134000				10/2/2000	RW	3051/6020	NA	Yes
UA	10	ATLAS MILL	A0.011090	2/23/2000	WATEK	7440-23-3	Soulum	134000				10/2/2000	KW	3031/0020	NA	1 es
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-28-0	Thallium	0.2		В		9/22/2000	RW	3051/6020	NA	Yes
1137	10	ATLAS MILL	40.0110011	2/22/2000	WATER	7440 (2.2	37 1	26.2		ъ.		0/22/2000	DIV	2051/6020	37.4	
UX	10	SITE ATLAS MILL	A0.01109U	2/23/2000	WATER	7440-62-2	Vanadium	26.2		В		9/22/2000	RW	3051/6020	NA	Yes
UX	10	SITE	A0.01109U	2/23/2000	WATER	7440-66-6	Zinc	27.7				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7429-90-5	Aluminum	15300				10/5/2000	RW	3051/6020	NA	Yes
UG	NS	ATLAS MILL SITE	A0.01107R	2/23/2000	WATER	7440-36-0	Antimony	0.12		В		9/22/2000	RW	3051/6020	NA	Yes
	110	ATLAS MILL	110.0110711	2,23,2000	************	7.10.30.0	- mannony	V.12				<i>&gt;,22,2000</i>	2011	5051,0020	1111	1 00
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-38-2	Arsenic	2.81		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Nic	ATLAS MILL	A0.01107B	2/22/2000	WATER	7440-39-3	Dorina	117		В		9/22/2000	RW	2051/6020	N/ A	Vaa
UG	NS	SITE ATLAS MILL	A0.01107R	2/23/2000	WAIEK	/440-39-3	Barium	117		В		9/22/2000	KW	3051/6020	NA	Yes
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-41-7	Beryllium	0.45		В		9/22/2000	RW	3051/6020	NA	Yes
	210	ATLAS MILL	10.0440	2/22/2000		= 110 12 S		0.055				0.00.005		2051/5025	37.4	
UG	NS	SITE ATLAS MILL	A0.01107R	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U	-		9/22/2000	RW	3051/6020	NA	Yes
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-70-2	Calcium	91500				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-47-3	Chromium	9.38		В		9/22/2000	RW	3051/6020	NA	Yes
UG	NS	ATLAS MILL SITE	A0.01107R	2/23/2000	WATER	7440-48-4	Cobalt	2.37		В		9/22/2000	RW	3051/6020	NA	Yes
- 00	No	SHE	AU.0110/IX	2/23/2000	WAILK	/440-40-4	Cooan	4.31	I	ь		7/22/2000	IV VV	3031/0020	INA	1 52

Appendix 18. Total metals in water from field sampling, February 2000.

									ı							
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									,	7	Q					
		ATLAS MILL									•					
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-50-8	Copper	6.94		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	NS	SITE ATLAS MILL	A0.01107R	2/23/2000	WATER	7439-89-6	Iron	8290				9/22/2000	RW	3051/6020	NA	Yes
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7439-92-1	Lead	4.82				9/22/2000	RW	3051/6020	NA	Yes
- 00	110	ATLAS MILL	710.0110710	2/23/2000	77777237	7137 72 1	Zeud	1.02				7/22/2000	2017	3031,0020	1,1.1	100
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7439-95-4	Magnesium	32300				9/22/2000	RW	3051/6020	NA	Yes
HC	3.10	ATLAS MILL	4.0.01107D	2/22/2000	WATER	7420.06.7		04.0				0/22/2000	DIV	2051/6020	27.4	37
UG	NS	SITE ATLAS MILL	A0.01107R	2/23/2000	WATER	7439-96-5	Manganese	84.9				9/22/2000	RW	3051/6020	NA	Yes
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL														
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-02-0	Nickel	6.47		В		9/22/2000	RW	3051/6020	NA	Yes
UG	NS	ATLAS MILL SITE	A0.01107R	2/23/2000	WATER	7440-09-7	Potassium	7020				9/22/2000	RW	3051/6020	NA	Yes
- 66	145	ATLAS MILL	A0.0110/K	2/23/2000	WAILK	7440-07-7	1 Otassium	7020				7/22/2000	ΙζΨ	3031/0020	IVA	1 03
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7782-49-2	Selenium	5.6				9/22/2000	RW	3051/6020	NA	Yes
	210	ATLAS MILL		0/02/0000		#440 <b>22</b> 4	a.,	0.05		_		0/22/2000	D	2054/5020	37.	
UG	NS	SITE ATLAS MILL	A0.01107R	2/23/2000	WATER	7440-22-4	Silver	0.35		В		9/22/2000	RW	3051/6020	NA	Yes
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-23-5	Sodium	131000				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-28-0	Thallium	0.06		В		9/22/2000	RW	3051/6020	NA	Yes
UG	NS	ATLAS MILL SITE	A0.01107R	2/23/2000	WATER	7440-62-2	Vanadium	27.1		В		9/22/2000	RW	3051/6020	NA	Yes
- 00	IND	ATLAS MILL	A0.01107K	2/23/2000	WATEK	7440-02-2	v anaulum	27.1		ь		9/22/2000	KW	3031/0020	NA	1 es
UG	NS	SITE	A0.01107R	2/23/2000	WATER	7440-66-6	Zinc	27.3				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		- / /												
UG	Soil Pore	SITE ATLAS MILL	A0.01108T	2/23/2000	WATER	7429-90-5	Aluminum	1490				10/5/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-36-0	Antimony	0.62		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-38-2	Arsenic	4.26		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	ATLAS MILL SITE	A0.01108T	2/23/2000	WATER	7440-39-3	Barium	76.6		В		9/22/2000	RW	3051/6020	NA	Yes
- 00	Son role	ATLAS MILL	A0.011081	2/23/2000	WATEK	/440-39-3	Darium	70.0		ь		9/22/2000	KW	3031/0020	NA	1 es
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-41-7	Beryllium	0.32		В		9/22/2000	RW	3051/6020	NA	Yes
110	0.35	ATLAS MILL	40.011.00m	2/22/2000	MI A COOD	7440 12 2	0.1.	0 ***				0/00/2000	DIV	2051/5020	27.	
UG	Soil Pore	SITE ATLAS MILL	A0.01108T	2/23/2000	WATER	7440-43-9	Cadmium	0.44		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-70-2	Calcium	257000				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-47-3	Chromium	2.11		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	ATLAS MILL SITE	A0.01108T	2/23/2000	WATER	7440-48-4	Cobalt	2.19		В		9/22/2000	RW	3051/6020	NA	Yes
- 00	30111010	ATLAS MILL	A0.011001	212312000	WAILK	/440-40-4	Coban	2.17		ь		7/22/2000	17. 44	3031/0020	11/1	103
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-50-8	Copper	4.77		В		9/22/2000	RW	3051/6020	NA	Yes
110	0.35	ATLAS MILL	40.011.00T	2/22/2000	MI A MED	7420.00.5	,	1500				0/22/2000	DITT	2051/5020		
UG	Soil Pore	SITE ATLAS MILL	A0.01108T	2/23/2000	WATER	7439-89-6	Iron	1580	-	-		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7439-92-1	Lead	1.62		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7439-95-4	Magnesium	161000				10/2/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
								(ag-)	(		0					
		ATLAS MILL							Ì		~					
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7439-96-5	Manganese	916				9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	ATLAS MILL SITE	A0.01108T	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
	50111010	ATLAS MILL	110.011001			,,,,,,,	Mercury	0.033					2011		1111	105
UG	Soil Pore	SITE ATLAS MILL	A0.01108T	2/23/2000	WATER	7440-02-0	Nickel	6.28		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-09-7	Potassium	28900				9/22/2000	RW	3051/6020	NA	Yes
HC	C - :1 D	ATLAS MILL	A O O 1 1 O O T	2/22/2000	WATED	7792 40 2	0.1	12.2				9/22/2000	DW	2051/6020	NIA	V
UG	Soil Pore	SITE ATLAS MILL	A0.01108T	2/23/2000	WATER	7782-49-2	Selenium	12.3				9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-22-4	Silver	0.33		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	ATLAS MILL SITE	A0.01108T	2/23/2000	WATER	7440-23-5	Sodium	1710000				10/5/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
UG	Soil Pore	SITE ATLAS MILL	A0.01108T	2/23/2000	WATER	7440-28-0	Thallium	0.29		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	SITE	A0.01108T	2/23/2000	WATER	7440-62-2	Vanadium	5.92		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Soil Pore	ATLAS MILL SITE	A0.01108T	2/23/2000	WATER	7440-66-6	Zinc	19.7		В		9/22/2000	RW	3051/6020	NA	Yes
UG	Son Pole	ATLAS MILL	A0.011081	2/23/2000	WATER	/440-00-0	ZIIIC	19./		ь		9/22/2000	ΚW	3031/6020	NA	i es
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7429-90-5	Aluminum	20100				9/20/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	A0.01089H	2/23/2000	WATER	7440-36-0	Antimony	0.14		В		9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	А0.01089Н	2/23/2000	WATER	7440-38-2	Arsenic	7.09		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	NS	SITE ATLAS MILL	A0.01089H	2/23/2000	WATER	7440-39-3	Barium	249				9/15/2000	RW	3051/6020	NA	Yes
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7440-41-7	Beryllium	0.96		В		9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	A0.01089H	2/23/2000	WATER	7440-43-9	Cadmium	0.36		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	NS	SITE ATLAS MILL	A0.01089H	2/23/2000	WATER	7440-70-2	Calcium	126000				9/20/2000	RW	3051/6020	NA	Yes
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7440-47-3	Chromium	17.9				9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	A0.01089H	2/23/2000	WATER	7440-48-4	Cobalt	7.32		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	NS	SITE ATLAS MILL	A0.01089H	2/23/2000	WATER	7440-50-8	Copper	21.8		В		9/15/2000	RW	3051/6020	NA	Yes
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7439-89-6	Iron	18700				9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	A0.01089H	2/23/2000	WATER	7439-92-1	Lead	17.7				9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	А0.01089Н	2/23/2000	WATER	7439-95-4	Magnesium	46000				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	NS	SITE ATLAS MILL	A0.01089H	2/23/2000	WATER	7439-96-5	Manganese	406				9/15/2000	RW	3051/6020	NA	Yes
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
U4	NS	ATLAS MILL SITE	А0.01089Н	2/23/2000	WATER	7440-02-0	Nickel	20.2		В		9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	А0.01089Н	2/23/2000	WATER	7440-09-7	Potassium	9750				9/15/2000	RW	3051/6020	NA	Yes
U4	IND	SHE	AU.01009f1	2/23/2000	WAIEK	/440-09-/	rotassium	9730				9/13/2000	КW	3031/0020	INA	i es

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie	me:	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	Troject Name.	NAKEL Sample #.	Date Concettu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Method	Texture.	Ai tilacts.
		ATLAS MILL							(		Q					
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7782-49-2	Selenium	7.32				9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	A0.01089H	2/23/2000	WATER	7440-22-4	Silver	0.07		В		9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	А0.01089Н	2/23/2000	WATER	7440-23-5	Sodium	133000				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	NS	SITE ATLAS MILL	A0.01089H	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
U4	NS	SITE	A0.01089H	2/23/2000	WATER	7440-62-2	Vanadium	44.7		В		9/15/2000	RW	3051/6020	NA	Yes
U4	NS	ATLAS MILL SITE	A0.01089H	2/23/2000	WATER	7440-66-6	Zinc	87.5				9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7429-90-5	Aluminum	8380				9/20/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-36-0	Antimony	0.47		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7440-38-2	Arsenic	9.83		В		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7440-39-3	Barium	160		В		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE	A0.01090A	2/23/2000	WATER	7440-41-7	Beryllium	0.4		В		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-43-9	Cadmium	0.62		В		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-70-2	Calcium	279000				9/20/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-47-3	Chromium	8.58		В		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-48-4	Cobalt	5.76		В		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL		2/23/2000	WATER	7440-50-8		18.2		В		9/15/2000	RW	3051/6020		
		SITE ATLAS MILL	A0.01090A				Copper			ь					NA	Yes
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7439-89-6	Iron	11700				9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7439-92-1	Lead	13				9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE	A0.01090A	2/23/2000	WATER	7439-95-4	Magnesium	205000				9/20/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7439-96-5	Manganese	2100				9/20/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
		ATLAS MILL								В						
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7440-02-0	Nickel	21.1		Б		9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7440-09-7	Potassium	44600				9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE ATLAS MILL	A0.01090A	2/23/2000	WATER	7782-49-2	Selenium	56.2				9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	SITE	A0.01090A	2/23/2000	WATER	7440-22-4	Silver	0.012	U			9/15/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-23-5	Sodium	1710000				9/20/2000	RW	3051/6020	NA	Yes
U4	Soil Pore	ATLAS MILL SITE	A0.01090A	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																1
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	Qualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										r	Q					1
		ATLAS MILL									V					
U4	Soil Pore	SITE	A0.01090A	2/23/2000	WATER	7440-62-2	Vanadium	21.8		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	Soil Pore	SITE	A0.01090A	2/23/2000	WATER	7440-66-6	Zinc	76.7				9/15/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL SITE	A0.01088G	2/23/2000	WATER	7429-90-5	Aluminum	82800				9/20/2000	RW	3051/6020	NA	Yes
04		ATLAS MILL	710.01000G	2/23/2000	WITTER	142) )0 3	Zudinindin	02000				7/20/2000	TC VV	303170020	1471	1 63
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-36-0	Antimony	0.5		В		9/15/2000	RW	3051/6020	NA	Yes
***		ATLAS MILL	10.010000	2/22/2000	WATER	7440 20 2		25.7				0/15/2000	DW	2051/6020	37.4	
U4	1	SITE ATLAS MILL	A0.01088G	2/23/2000	WATER	7440-38-2	Arsenic	35.7				9/15/2000	RW	3051/6020	NA	Yes
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-39-3	Barium	1210				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-41-7	Beryllium	5.03				9/15/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL SITE	A0.01088G	2/23/2000	WATER	7440-43-9	Cadmium	5.93				9/15/2000	RW	3051/6020	NA	Yes
04		ATLAS MILL	710.01000G	2/23/2000	WITTER	7440 43 7	Cadimani	5.75				7/15/2000	TC VV	303170020	1471	1 03
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-70-2	Calcium	744000				9/20/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL SITE	A0.01088G	2/23/2000	WATER	7440-47-3	Chi	85.7				9/15/2000	RW	3051/6020	NA	¥7
04	1	ATLAS MILL	A0.01088G	2/23/2000	WAIEK	/440-47-3	Chromium	65.7				9/13/2000	KW	3031/0020	NA	Yes
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-48-4	Cobalt	54.7				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	1	SITE ATLAS MILL	A0.01088G	2/23/2000	WATER	7440-50-8	Copper	126				9/15/2000	RW	3051/6020	NA	Yes
U4	1	SITE	A0.01088G	2/23/2000	WATER	7439-89-6	Iron	109000				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				, , , , , ,						7,20,200				
U4	1	SITE	A0.01088G	2/23/2000	WATER	7439-92-1	Lead	126				9/15/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL SITE	A0.01088G	2/23/2000	WATER	7439-95-4	Magnesium	167000				9/20/2000	RW	3051/6020	NA	Yes
04	1	ATLAS MILL	A0.01000G	2/23/2000	WAILK	7437-73-4	wagnesium	107000				2/20/2000	IC VV	3031/0020	IVA	103
U4	1	SITE	A0.01088G	2/23/2000	WATER	7439-96-5	Manganese	5270				9/20/2000	RW	3051/6020	NA	Yes
***		ATLAS MILL	10.010000	2/22/2000	WATER	7420.07.6		0.220				2/14/2000	DW	7471 4	37.4	
U4	ı	SITE ATLAS MILL	A0.01088G	2/23/2000	WATER	7439-97-6	Mercury	0.339				3/14/2000	RW	7471A	NA	Yes
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-02-0	Nickel	125				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-09-7	Potassium	21200				9/15/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL SITE	A0.01088G	2/23/2000	WATER	7782-49-2	Selenium	20.9				9/15/2000	RW	3051/6020	NA	Yes
	•	ATLAS MILL	.10.01000	2,23,2000	***************************************	7,02 .7 2	Setemani	20.2				2,15,2000	2011	5051,0020	1111	100
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-22-4	Silver	1.03		В		9/15/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL SITE	A0.01088G	2/23/2000	WATER	7440-23-5	Sodium	171000				9/20/2000	RW	3051/6020	NA	Yes
U4	1	ATLAS MILL	AU.U1U00U	212312000	WAIEK	/440-23-3	Soululli	1 / 1000				7/20/2000	IV.W	3031/0020	INA	1 08
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-28-0	Thallium	1.62		В		9/15/2000	RW	3051/6020	NA	Yes
***		ATLAS MILL	10.010000	2/22/2222	W A COOP	7440.52.2	***	100				0/15/2000	DIV	2051/5020	27.	-
U4	1	SITE ATLAS MILL	A0.01088G	2/23/2000	WATER	7440-62-2	Vanadium	186			-	9/15/2000	RW	3051/6020	NA	Yes
U4	1	SITE	A0.01088G	2/23/2000	WATER	7440-66-6	Zinc	588				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	5	SITE	A0.01039X	2/23/2000	WATER	7429-90-5	Aluminum	22.80		В		7/18/2000	RW	3051/6020	NA	None
U4	5	ATLAS MILL SITE	A0.01039X	2/23/2000	WATER	7440-36-0	Antimony	0.15		В		7/18/2000	RW	3051/6020	NA	None
UT	J	SILL	A0.01037A	4/43/4000	WAILK	/	Antimony	0.15		ь		//10/2000	17. 44	3031/0020	11/1	THORE

Appendix 18. Total metals in water from field sampling, February 2000.

Separation   Project Name   American   Project Name   American																	
U		E	D	NAPEL C. I. "	D . C !! !	35	GAGN. I						B		35.0.1	m .	:
ATLAS MILL   ADDITION   ADDITION   C2322000   WATER   ADDITION	Sample ID:	Strata (m)	Project Name:	NAKEL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	1 exture:	Artifacts:
Let			1 mr 1 g 1 mr 1							(	2	Q					
Column	U4	5		A0 01039X	2/23/2000	WATER	7440-38-2	Arsenic	1 27		В		7/18/2000	RW	3051/6020	NA	None
14			ATLAS MILL														
14	U4	5		A0.01039X	2/23/2000	WATER	7440-39-3	Barium	74.20		В		7/18/2000	RW	3051/6020	NA	None
U4	U4	5	SITE	A0.01039X	2/23/2000	WATER	7440-41-7	Beryllium	0.03		В		7/18/2000	RW	3051/6020	NA	None
Company	U4	5		A0 01039X	2/23/2000	WATER	7440-43-9	Cadmium	0.08		В		7/18/2000	RW	3051/6020	NA	None
March   Marc		-	ATLAS MILL														
14   5   SITE   A0.01699X   2232000   WATER   7440-97-3   Chomium   0.67   B   7/18/2000   RW   36516020   NA   None	U4	5		A0.01039X	2/23/2000	WATER	7440-70-2	Calcium	89300.00				7/24/2000	RW	3051/6020	NA	None
U4   5   SITE   A001099X   223/2000   WATER   7440-8-4   Cobalt   0.22   B   7/18/2000   RW   305/6020   NA   None	U4	5	SITE	A0.01039X	2/23/2000	WATER	7440-47-3	Chromium	0.67		В		7/18/2000	RW	3051/6020	NA	None
Nation	114	5		A0 01039X	2/23/2000	WATER	7440-48-4	Cobalt	0.22		В		7/18/2000	RW	3051/6020	NA	None
TATLAS MILL   S			ATLAS MILL														
U4   S   SITE   A.001039X   Z232000   WATER   7438-89-6   Iron   203.00     7/18/2000   RW   3051/6020   NA   None	U4	5		A0.01039X	2/23/2000	WATER	7440-50-8	Copper	2.26		В		7/18/2000	RW	3051/6020	NA	None
U4   S   SITE   A01039X   2/23/2000   WATER   7439-92-1   Lead   0.07   B   7/18/2000   RW   3051/6020   NA   None	U4	5	SITE	A0.01039X	2/23/2000	WATER	7439-89-6	Iron	203.00				7/18/2000	RW	3051/6020	NA	None
ATLAS MILL   A   A   A   A   A   A   A   A   A	U4	5		A0.01039X	2/23/2000	WATER	7439-92-1	Lead	0.07		В		7/18/2000	RW	3051/6020	NA	None
ATLAS MILL   A01039X   223/2000   WATER   7439-96-5   Manganese   13.90   B   7/18/2000   RW   3051/6020   NA   None	***				0.100.100.00		#400.05.4		2220000				T/2 1/2000	P		27.1	
U	U4	5		A0.01039X	2/23/2000	WATER	7439-95-4	Magnesium	32200.00				7/24/2000	RW	3051/6020	NA	None
U4   S   SITE   A001039X   223/2000   WATER   7430-97-6   Mercury   0.03   U   3.99/2000   RW   7471A   NA   None	U4	5	SITE	A0.01039X	2/23/2000	WATER	7439-96-5	Manganese	13.90		В		7/18/2000	RW	3051/6020	NA	None
U4   5   SITE   A0.01039X   223/2000   WATER   7440-02-0   Nickel   1.94   B   7/18/2000   RW   3051/6020   NA   None	U4	5		A0.01039X	2/23/2000	WATER	7439-97-6	Mercury	0.03	U			3/9/2000	RW	7471A	NA	None
ATLAS MILL   STEE   A0.01039X   223/2000   WATER   7440-09-7   Potassium   4500.00   B   7/18/2000   RW   3051/6020   NA   None	114	5		A0.01039X	2/23/2000	WATER	7440-02-0	Nickel	1 94		R		7/18/2000	RW	3051/6020	NΔ	None
ATLAS MILL   A0.01039X   2/23/2000   WATER   7782-49-2   Selenium   4.73   B   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL					TVICKCI									rvone
U4   5   SITE   A0.01039X   223/2000   WATER   7782-49-2   Selenium   4.73   B   7/18/2000   RW   3051/6020   NA   None	U4	5		A0.01039X	2/23/2000	WATER	7440-09-7	Potassium	4500.00		В		7/18/2000	RW	3051/6020	NA	None
U4   5   SITE   A0.01039X   2/23/2000   WATER   7440-22-4   Silver   0.12   B   7/18/2000   RW   3051/6020   NA   None	U4	5	SITE	A0.01039X	2/23/2000	WATER	7782-49-2	Selenium	4.73		В		7/18/2000	RW	3051/6020	NA	None
U4   5   SITE   A0.01039X   2/23/2000   WATER   7440-23-5   Sodium   133000.00     7/24/2000   RW   3051/6020   NA   None	U4	5		A0 01039X	2/23/2000	WATER	7440-22-4	Silver	0.12		В		7/18/2000	RW	3051/6020	NA	None
U4   5   SITE   A0.01039X   2/23/2000   WATER   7440-28-0   Thallium   0.21   B   7/18/2000   RW   3051/6020   NA   None			ATLAS MILL														
U4   5   SITE   A0.01039X   2/23/2000   WATER   7440-28-0   Thallium   0.21   B   7/18/2000   RW   3051/6020   NA   None	U4	5		A0.01039X	2/23/2000	WATER	7440-23-5	Sodium	133000.00				7/24/2000	RW	3051/6020	NA	None
U4         5         SITE         A0.01039X         2/23/2000         WATER         7440-62-2         Vanadium         1.73         B         7/18/2000         RW         3051/6020         NA         None           U4         5         SITE         A0.01039X         2/23/2000         WATER         7440-66-6         Zinc         13.50         B         7/18/2000         RW         3051/6020         NA         None           U4         10         SITE         A0.01087F         2/23/2000         WATER         7449-90-5         Aluminum         8500         9/20/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-36-0         Antimony         0.054         U         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-38-2         Arsenic         2.6         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-38-2         Arsenic         2.6 <td< td=""><td>U4</td><td>5</td><td>SITE</td><td>A0.01039X</td><td>2/23/2000</td><td>WATER</td><td>7440-28-0</td><td>Thallium</td><td>0.21</td><td></td><td>В</td><td></td><td>7/18/2000</td><td>RW</td><td>3051/6020</td><td>NA</td><td>None</td></td<>	U4	5	SITE	A0.01039X	2/23/2000	WATER	7440-28-0	Thallium	0.21		В		7/18/2000	RW	3051/6020	NA	None
U4   S   SITE   A0.01039X   2/23/2000   WATER   7440-66-6   Zinc   13.50   B   7/18/2000   RW   3051/6020   NA   None	U4	5		A0.01039X	2/23/2000	WATER	7440-62-2	Vanadium	1.73		В		7/18/2000	RW	3051/6020	NA	None
U4         10         ATLAS MILL SITE A0.01087F         2/23/2000         WATER         7429-90-5         Aluminum         8500         9/20/2000         RW         3051/6020         NA         Yes           U4         10         SITE A0.01087F         2/23/2000         WATER         7440-36-0         Antimony         0.054         U         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE SITE A0.01087F         2/23/2000         WATER         7440-38-2         Arsenic         2.6         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE A0.01087F         2/23/2000         WATER         7440-41-7         Beryllium         0.24         B         9/15/2000         RW         3051/6020			ATLAS MILL														
U4         10         SITE         A0.01087F         2/23/2000         WATER         7429-90-5         Aluminum         8500         9/20/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-36-0         Antimony         0.054         U         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-38-2         Arsenic         2.6         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-31-7         Beryllium         0.24 <td< td=""><td>U4</td><td>5</td><td></td><td>A0.01039X</td><td>2/23/2000</td><td>WATER</td><td>7440-66-6</td><td>Zinc</td><td>13.50</td><td></td><td>В</td><td></td><td>7/18/2000</td><td>RW</td><td>3051/6020</td><td>NA</td><td>None</td></td<>	U4	5		A0.01039X	2/23/2000	WATER	7440-66-6	Zinc	13.50		В		7/18/2000	RW	3051/6020	NA	None
U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-36-0         Antimony         0.054         U         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-38-2         Arsenic         2.6         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           ATLAS MILL         U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-31-7         Beryllium         0.24         B         9/15/2000         RW         3051/6020         NA         Yes	U4	10	SITE	A0.01087F	2/23/2000	WATER	7429-90-5	Aluminum	8500				9/20/2000	RW	3051/6020	NA	Yes
U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-38-2         Arsenic         2.6         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-41-7         Beryllium         0.24         B         9/15/2000         RW         3051/6020         NA         Yes           ATLAS MILL         ATLAS MILL         BATLAS MILL	U4	10		A0.01087F	2/23/2000	WATER	7440-36-0	Antimony	0.054	U			9/15/2000	RW	3051/6020	NA	Yes
U4         10         ATLAS MILL SITE         A0.01087F         2/23/2000         WATER         7440-39-3         Barium         109         B         9/15/2000         RW         3051/6020         NA         Yes           U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-41-7         Beryllium         0.24         B         9/15/2000         RW         3051/6020         NA         Yes           ATLAS MILL         ATLAS MILL         ATLAS MILL         B         9/15/2000         RW         3051/6020         NA         Yes	III	10		A0 01087F	2/23/2000	WATER	7440-38-2	Argonio	26		В		9/15/2000	RW/	3051/6020	NA.	Vac
U4 10 SITE A0.01087F 2/23/2000 WATER 7440-41-7 Beryllium 0.24 B 9/15/2000 RW 3051/6020 NA Yes ATLAS MILL			ATLAS MILL					AISCIIC									
U4         10         SITE         A0.01087F         2/23/2000         WATER         7440-41-7         Beryllium         0.24         B         9/15/2000         RW         3051/6020         NA         Yes	U4	10		A0.01087F	2/23/2000	WATER	7440-39-3	Barium	109		В		9/15/2000	RW	3051/6020	NA	Yes
	U4	10	SITE	A0.01087F	2/23/2000	WATER	7440-41-7	Beryllium	0.24		В		9/15/2000	RW	3051/6020	NA	Yes
	U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U			9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	re	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	rroject Name.	TWINELE Sample #:	Date Concettu.	Matrix.	CASTAINDE	rinaryte	Concentration (ug/E)			0	Date Maryzeu	Tilalyst	Wethou	reature.	Ai thacts.
		ATLAS MILL								Ĭ	Q					
U4	10	SITE	A0.01087F	2/23/2000	WATER	7440-70-2	Calcium	85800				9/20/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-47-3	Chromium	5.2		В		9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-48-4	Cobalt	2.13		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U4	10	SITE ATLAS MILL	A0.01087F	2/23/2000	WATER	7440-50-8	Copper	8.73		В		9/15/2000	RW	3051/6020	NA	Yes
U4	10	SITE	A0.01087F	2/23/2000	WATER	7439-89-6	Iron	5340				9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7439-92-1	Lead	4.19				9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7439-95-4	Magnesium	34200				9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7439-96-5	Manganese	80.3				9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
		ATLAS MILL							0	_						
U4	10	SITE ATLAS MILL	A0.01087F	2/23/2000	WATER	7440-02-0	Nickel	6.65		В		9/15/2000	RW	3051/6020	NA	Yes
U4	10	SITE	A0.01087F	2/23/2000	WATER	7440-09-7	Potassium	6040				9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7782-49-2	Selenium	7.82				9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-22-4	Silver	0.08		В		9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-23-5	Sodium	123000				9/20/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-62-2	Vanadium	14.7		В		9/15/2000	RW	3051/6020	NA	Yes
U4	10	ATLAS MILL SITE	A0.01087F	2/23/2000	WATER	7440-66-6	Zinc	25.3				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	NS	SITE ATLAS MILL	A0.01052U	2/23/2000	WATER	7429-90-5	Aluminum	19000				9/13/2000	RW	3051/6020	NA	Yes
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-36-0	Antimony	2.59		В		9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7440-38-2	Arsenic	4.41		В		9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7440-39-3	Barium	141		В		9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7440-41-7	Beryllium	3.23		В		9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7440-43-9	Cadmium	2.76		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								ь						
U2	NS	SITE ATLAS MILL	A0.01052U	2/23/2000	WATER	7440-70-2	Calcium	104000				9/12/2000	RW	3051/6020	NA	Yes
U2	NS	SITE ATLAS MILL	A0.01052U	2/23/2000	WATER	7440-47-3	Chromium	14				9/11/2000	RW	3051/6020	NA	Yes
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-48-4	Cobalt	6.61		В		9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7440-50-8	Copper	14.1		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

									1							
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									,	7	Q					
		ATLAS MILL								Ī	_					
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7439-89-6	Iron	10500				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	NS	SITE ATLAS MILL	A0.01052U	2/23/2000	WATER	7439-92-1	Lead	9.39				9/11/2000	RW	3051/6020	NA	Yes
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7439-95-4	Magnesium	35000				9/11/2000	RW	3051/6020	NA	Yes
- 02	110	ATLAS MILL	110.010520	2/23/2000	WILLER	, 13, 75 1	magnesiani	35000				<i>7/11/2000</i>	1017	3021/0020	1,11	100
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7439-96-5	Manganese	129				9/11/2000	RW	3051/6020	NA	Yes
U2	NC	ATLAS MILL	A O O 1 O 5 O T I	2/23/2000	WATER	7439-97-6		0.051		В		3/13/2000	DW	7471 4	NIA	V
02	NS	SITE ATLAS MILL	A0.01052U	2/23/2000	WATER	/439-97-0	Mercury	0.051		В		3/13/2000	RW	7471A	NA	Yes
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-02-0	Nickel	13.1		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-09-7	Potassium	7600				9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
02	110	ATLAS MILL	710.010320	2/23/2000	WITTER	1102 47 2	Scientani	0.750				3/11/2000	TC VV	303170020	1421	103
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-22-4	Silver	2.66		В		9/11/2000	RW	3051/6020	NA	Yes
110	NG	ATLAS MILL	40.0105211	2/22/2000	WATER	7440 22 5	G 1:	154000				0/12/2000	DW	2051/6020	27.4	37
U2	NS	SITE ATLAS MILL	A0.01052U	2/23/2000	WATER	7440-23-5	Sodium	154000				9/12/2000	RW	3051/6020	NA	Yes
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-28-0	Thallium	2.64		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	NS	SITE	A0.01052U	2/23/2000	WATER	7440-62-2	Vanadium	34.2		В		9/11/2000	RW	3051/6020	NA	Yes
U2	NS	ATLAS MILL SITE	A0.01052U	2/23/2000	WATER	7440-66-6	Zinc	39.3				9/11/2000	RW	3051/6020	NA	Yes
02	110	ATLAS MILL	A0.010320	2/23/2000	WAILK	7440-00-0	Zinc	37.3				2/11/2000	IC W	3031/0020	IVA	1 03
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7429-90-5	Aluminum	946				9/11/2000	RW	3051/6020	NA	Yes
110	G 11 D	ATLAS MILL	40.0105377	2/22/2000	WATER	7440.26.0		126				0/11/2000	DW	2051/6020	27.4	37
U2	Soil Pore	SITE ATLAS MILL	A0.01053V	2/23/2000	WATER	7440-36-0	Antimony	4.26		В		9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-38-2	Arsenic	11.1				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-39-3	Barium	37.2		В		9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	ATLAS MILL SITE	A0.01053V	2/23/2000	WATER	7440-41-7	Beryllium	3.09		В		9/11/2000	RW	3051/6020	NA	Yes
02	50111010	ATLAS MILL	210.01033 ¥	2,23,2000	**************************************	//	Dorymum	5.07		-		2/11/2000	17.44	3031/0020	11/1	103
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-43-9	Cadmium	5.1				9/11/2000	RW	3051/6020	NA	Yes
112	C.:I.D	ATLAS MILL	40.0105337	2/22/2000	WATED	7440 70 2	Coloino	542000				0/12/2000	DW	2051/6020	NIA	V
U2	Soil Pore	SITE ATLAS MILL	A0.01053V	2/23/2000	WATER	7440-70-2	Calcium	542000				9/12/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-47-3	Chromium	4.36		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-48-4	Cobalt	12		В		9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	ATLAS MILL SITE	A0.01053V	2/23/2000	WATER	7440-50-8	Copper	17.5		В		9/11/2000	RW	3051/6020	NA	Yes
02	30111010	ATLAS MILL	110.01033 1	2/23/2000	WILLIA	7440 20 0	Соррег	17.5				7/11/2000	1011	3031/0020	11/1	103
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7439-89-6	Iron	2000				9/11/2000	RW	3051/6020	NA	Yes
112	C.:I.D	ATLAS MILL	40.0105237	2/22/2000	WATED	7420 02 1	T 1	5.24				0/11/2000	DW	2051/6020	NIA	V
U2	Soil Pore	SITE ATLAS MILL	A0.01053V	2/23/2000	WATER	7439-92-1	Lead	5.24	-	-		9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7439-95-4	Magnesium	579000				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7439-96-5	Manganese	2440	<u> </u>	<u> </u>		9/12/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

			l													
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	7	Q					
		ATLAS MILL								Ī	~					
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
		ATLAS MILL														
U2	Soil Pore	SITE ATLAS MILL	A0.01053V	2/23/2000	WATER	7440-02-0	Nickel	22.8		В		9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-09-7	Potassium	97300				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				, , , , ,						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7782-49-2	Selenium	5.69				9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	ATLAS MILL SITE	A0.01053V	2/23/2000	WATER	7440-22-4	Silver	2.66		В		9/11/2000	RW	3051/6020	NA	Yes
02	Soli Pole	ATLAS MILL	A0.01033 V	2/23/2000	WAIEK	/440-22-4	Silvei	2.00		ь		9/11/2000	KW	3031/6020	NA	i es
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-23-5	Sodium	3100000				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
U2	Soil Pore	SITE ATLAS MILL	A0.01053V	2/23/2000	WATER	7440-28-0	Thallium	4.37		В		9/11/2000	RW	3051/6020	NA	Yes
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-62-2	Vanadium	16.8		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL						***								
U2	Soil Pore	SITE	A0.01053V	2/23/2000	WATER	7440-66-6	Zinc	66				9/11/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7429-90-5	Aluminum	6550				10/5/2000	RW	3051/6020	NA	Yes
LH	145	ATLAS MILL	A0.010763	2/23/2000	WAILK	7427-70-3	Aluminum	0550				10/3/2000	IC W	3031/0020	IVA	1 03
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-36-0	Antimony	0.14		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NG	ATLAS MILL	40.010001	2/22/2000	WATER	7440 20 2		2.62				0/22/2000	DW	2051/6020	27.4	37
E4	NS	SITE ATLAS MILL	A0.01098J	2/23/2000	WATER	7440-38-2	Arsenic	2.63		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-39-3	Barium	94.3		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	NS	SITE ATLAS MILL	A0.01098J	2/23/2000	WATER	7440-41-7	Beryllium	0.17		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U			9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-70-2	Calcium	91000				10/2/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7440-47-3	Chromium	4.32		В		9/22/2000	RW	3051/6020	NA	Yes
L	140	ATLAS MILL	710.010703	2/23/2000	WITTER	7440 47 3	Cinomian	4.32				)/22/2000	TC VV	3031/0020	1421	1 03
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-48-4	Cobalt	0.91		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7440-50-8	Corner	3.76		В		9/22/2000	RW	3051/6020	NA	Yes
E4	INO	ATLAS MILL	AU.01096J	2/23/2000	WAIEK	/440-30-8	Copper	3.70		D		9/22/2000	IV. W	3031/0020	INA	1 68
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7439-89-6	Iron	2980		<u> </u>		9/22/2000	RW	3051/6020	NA	Yes
	270	ATLAS MILL		2/22/2000	W. America	= 420 02 4		2.02		_		0/00/0005	D.W.	2054/5025	27.4	
E4	NS	SITE ATLAS MILL	A0.01098J	2/23/2000	WATER	7439-92-1	Lead	2.02		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7439-95-4	Magnesium	32800				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7439-96-5	Manganese	65			-	9/22/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
	110	ATLAS MILL	110.010,00	2,23,2000	***************************************	7.57 77 9	c.cury	0.055	Ŭ			3,10,2000	2011	, , , , , , ,	1111	100
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-02-0	Nickel	3.77		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7440-09-7	Potassium	5780				9/22/2000	RW	3051/6020	NA	Yes
124	IND	ATLAS MILL	AU.01070J	2/23/2000	WAILK	/440-07-/	r otassiuili	3700				7/22/2000	IX VV	3031/0020	INA	1 05
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7782-49-2	Selenium	9.58				9/22/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie	me.	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	Troject Name.	NAKEL Sample #.	Date Concetcu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Wethou	rexture.	Ai tilacts.
		ATLAS MILL							(	3	Q					
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-22-4	Silver	0.05		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7440-23-5	Sodium	165000				10/2/2000	RW	3051/6020	NA	Yes
LT	110	ATLAS MILL	710.010703	2/23/2000		7440 23 3	Soulum						ICW	3031/0020	1471	103
E4	NS	SITE ATLAS MILL	A0.01098J	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/22/2000	RW	3051/6020	NA	Yes
E4	NS	SITE	A0.01098J	2/23/2000	WATER	7440-62-2	Vanadium	11		В		9/22/2000	RW	3051/6020	NA	Yes
E4	NS	ATLAS MILL SITE	A0.01098J	2/23/2000	WATER	7440-66-6	Zinc	13.2		В		9/22/2000	RW	3051/6020	NA	Yes
LH	113	ATLAS MILL					Zinc			Б			ICVV		IVA	103
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7429-90-5	Aluminum	1090				9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7440-36-0	Antimony	0.25		В		9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7440-38-2	Arsenic	4.14		В		9/22/2000	RW	3051/6020	NA	Yes
LH	30111010	ATLAS MILL	A0.01077K				Aiscilic							3031/0020	IVA	103
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7440-39-3	Barium	150		В		9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7440-41-7	Beryllium	0.047	U			9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7440-43-9	Cadmium	0.06		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								В						
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7440-70-2	Calcium	81300				10/2/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7440-47-3	Chromium	1.57		В		9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7440-48-4	Cobalt	1.38		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7440-50-8	Copper	3.86		В		9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7439-89-6	Iron	902				9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7439-92-1	Lead	2.67		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				#400.05.4						0/00/0000	P		27.1	
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7439-95-4	Magnesium	24100				9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7439-96-5	Manganese	431				9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL								ъ						
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7440-02-0	Nickel	3.82		В		9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7440-09-7	Potassium	7700				9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7782-49-2	Selenium	6.86				9/22/2000	RW	3051/6020	NA	Yes
EA	Sail Bara	ATLAS MILL SITE	A0.01000V	2/23/2000	WATER	7440-22-4	Cilvor	0.09		В		9/22/2000	RW	3051/6020	NA	Vac
E4	Soil Pore	ATLAS MILL	A0.01099K	4/43/4000			Silver	0.09		B		9/22/2000	KW		NA	Yes
E4	Soil Pore	SITE ATLAS MILL	A0.01099K	2/23/2000	WATER	7440-23-5	Sodium	288000				10/2/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/22/2000	RW	3051/6020	NA	Yes
E4	Soil Pore	ATLAS MILL SITE	A0.01099K	2/23/2000	WATER	7440-62-2	Vanadium	5.36		В		9/22/2000	RW	3051/6020	NA	Yes
E/4	3011 rore	SHE	AU.01099K	2/23/2000	WAIER	/440-02-2	v anaurum	3.30		D		9/22/2000	RW	3031/0020	INA	1 68

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										٦.	Q					
		ATLAS MILL									V					
E4	Soil Pore	SITE	A0.01099K	2/23/2000	WATER	7440-66-6	Zinc	26.6				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	1	SITE ATLAS MILL	A0.01097H	2/23/2000	WATER	7429-90-5	Aluminum	5190				10/5/2000	RW	3051/6020	NA	Yes
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-36-0	Antimony	0.15		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL						***								
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-38-2	Arsenic	2.28		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL SITE	A0.01097H	2/23/2000	WATER	7440-39-3	Barium	88.2		В		9/22/2000	RW	3051/6020	NA	Yes
	•	ATLAS MILL	110.0107/11	2/23/2000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7110 37 3	Darram	00.2				3/22/2000	1017	3031,0020	1,11	100
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-41-7	Beryllium	0.07		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL SITE	A0.01097H	2/23/2000	WATER	7440-43-9	Cadmium	0.1		В		9/22/2000	RW	3051/6020	NA	Yes
1.4	1	ATLAS MILL	A0.0107/11	2/23/2000	WAILK	/440-43-/	Cadimum	0.1		В		7/22/2000	IC VV	3031/0020	IVA	1 03
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-70-2	Calcium	89000				10/2/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL SITE	A0.01097H	2/23/2000	WATER	7440-47-3	Chromium	3.28		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL	A0.0109/H	2/23/2000	WAIEK	/440-47-3	Cinomium	3.20		ь		9/22/2000	KW	3031/6020	NA	i es
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-48-4	Cobalt	0.94		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL	40.0100711	2/22/2000	WATER	7440.50.0		2.40				0/22/2000	DW	2051/6020	27.4	37
E4	1	SITE ATLAS MILL	A0.01097H	2/23/2000	WATER	7440-50-8	Copper	3.49		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	SITE	A0.01097H	2/23/2000	WATER	7439-89-6	Iron	2530				9/22/2000	RW	3051/6020	NA	Yes
F.4		ATLAS MILL		0/00/0000	W. America	#400 00 A		1.50				0/22/2000	D.V.	2054/5020		**
E4	1	SITE ATLAS MILL	A0.01097H	2/23/2000	WATER	7439-92-1	Lead	1.76		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	SITE	A0.01097H	2/23/2000	WATER	7439-95-4	Magnesium	31400				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	1	SITE ATLAS MILL	A0.01097H	2/23/2000	WATER	7439-96-5	Manganese	61.9				9/22/2000	RW	3051/6020	NA	Yes
E4	1	SITE	A0.01097H	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL														
E4	1	SITE ATLAS MILL	A0.01097H	2/23/2000	WATER	7440-02-0	Nickel	5.21		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-09-7	Potassium	5330				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	1	SITE	A0.01097H	2/23/2000	WATER	7782-49-2	Selenium	5.86				9/22/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL SITE	A0.01097H	2/23/2000	WATER	7440-22-4	Silver	0.06		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-23-5	Sodium	157000				10/2/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL SITE	A0.01097H	2/23/2000	WATER	7440-28-0	Thallium	0.06		В		9/22/2000	RW	3051/6020	NA	Yes
	-	ATLAS MILL	.10.0107/11	2,23,2000	***************************************	7.10 20 0		0.00		٦		7,22,2000	2011	5051,0020	1111	100
E4	1	SITE	A0.01097H	2/23/2000	WATER	7440-62-2	Vanadium	8.89		В		9/22/2000	RW	3051/6020	NA	Yes
E4	1	ATLAS MILL SITE	A0.01097H	2/23/2000	WATER	7440-66-6	Zinc	10.1		В		9/22/2000	RW	3051/6020	NA	Yes
1.7	1	ATLAS MILL	710.0107/11	2,23,2000	**************************************	7-10-00-0	Zinc	10.1		-		7,22,2000	17. 44	3031/0020	11/1	103
E4	5	SITE	A0.01096G	2/23/2000	WATER	7429-90-5	Aluminum	7990		ļ		10/5/2000	RW	3051/6020	NA	Yes
E4	5	ATLAS MILL SITE	A0.01096G	2/23/2000	WATER	7440-36-0	Antimony	0.15		В		9/22/2000	RW	3051/6020	NA	Yes
124	J	ATLAS MILL	A0.01070U	212312000	WAILK	/ 170-30-0	Anumony	0.13		- 13		712212000	17. 44	3031/0020	11/1	1 05
E4	5	SITE	A0.01096G	2/23/2000	WATER	7440-38-2	Arsenic	1.79		В		9/22/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client															_	
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	2	Q					
E4	5	ATLAS MILL	A0.01096G	2/23/2000	WATER	7440-39-3	Danisan	95.6		В		9/22/2000	DW	2051/6020	NIA	V
E4	3	SITE ATLAS MILL	A0.01090G	2/23/2000	WATER	/440-39-3	Barium	95.0		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7440-41-7	Beryllium	0.22		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	ATLAS MILL SITE	A0.01096G	2/23/2000	WATER	7440-43-9	Cadmium	0.08		В		9/22/2000	RW	3051/6020	NA	Yes
LH		ATLAS MILL	A0.01070G	2/23/2000	WAILK	/440-43-/	Caumum	0.08		ь		3/22/2000	IC VV	3031/0020	IVA	1 03
E4	5	SITE ATLAS MILL	A0.01096G	2/23/2000	WATER	7440-70-2	Calcium	90200				10/2/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7440-47-3	Chromium	5.17		В		9/22/2000	RW	3051/6020	NA	Yes
	_	ATLAS MILL														
E4	5	SITE ATLAS MILL	A0.01096G	2/23/2000	WATER	7440-48-4	Cobalt	1.24		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7440-50-8	Copper	4		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	ATLAS MILL SITE	A0.01096G	2/23/2000	WATER	7439-89-6	Iron	3650				9/22/2000	RW	3051/6020	NA	Yes
LT		ATLAS MILL	710.010700	2/23/2000	WATER	7437 07 0	non	3030				J122/2000	1000	3031/0020	1771	1 03
E4	5	SITE ATLAS MILL	A0.01096G	2/23/2000	WATER	7439-92-1	Lead	2.4		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7439-95-4	Magnesium	31100				9/22/2000	RW	3051/6020	NA	Yes
E4	-	ATLAS MILL	10.010065	2/22/2000	WATER	7420.06.5		(1.2				0/22/2000	DIV	2051/6020	274	
E4	5	SITE ATLAS MILL	A0.01096G	2/23/2000	WATER	7439-96-5	Manganese	61.2				9/22/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
E4	5	ATLAS MILL SITE	A0.01096G	2/23/2000	WATER	7440-02-0	Nickel	4.11		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	5	SITE ATLAS MILL	A0.01096G	2/23/2000	WATER	7440-09-7	Potassium	6040				9/22/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7782-49-2	Selenium	2.22		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	ATLAS MILL SITE	A0.01096G	2/23/2000	WATER	7440-22-4	Cilvon	0.09		В		9/22/2000	RW	3051/6020	NA	Yes
E4	3	ATLAS MILL	A0.01096G	2/23/2000	WATER	7440-22-4	Silver	0.09		ь		9/22/2000	KW	3031/6020	INA	i es
E4	5	SITE	A0.01096G	2/23/2000	WATER	7440-23-5	Sodium	160000				10/2/2000	RW	3051/6020	NA	Yes
E4	5	ATLAS MILL SITE	A0.01096G	2/23/2000	WATER	7440-28-0	Thallium	0.08		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	5	SITE ATLAS MILL	A0.01096G	2/23/2000	WATER	7440-62-2	Vanadium	13.7		В		9/22/2000	RW	3051/6020	NA	Yes
E4	5	SITE	A0.01096G	2/23/2000	WATER	7440-66-6	Zinc	14.1		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7429-90-5	Aluminum	13000				10/6/2000	RW	3051/6020	NA	Yes
LT	10	ATLAS MILL	A0.010/31	2/23/2000		1427-70-3	Atummulli	13000				10/0/2000	17.44	3031/0020	IVA	1 03
E4	10	SITE ATLAS MILL	A0.01095F	2/23/2000	WATER	7440-36-0	Antimony	0.56		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-38-2	Arsenic	1.47		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL	A 0 01005F	2/22/2000	WATER	7440 20 2	Danissas	20.5		D		0/22/2000	DW	2051/6020	NIA	V
E4	10	SITE ATLAS MILL	A0.01095F	2/23/2000	WATER	7440-39-3	Barium	39.5		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-41-7	Beryllium	0.64		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7440-43-9	Cadmium	0.56		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-70-2	Calcium	91200				10/2/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																1
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	3	Q					1
		ATLAS MILL									Ì					
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-47-3	Chromium	2.61		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7440-48-4	Cobalt	1.29		В		9/22/2000	RW	3051/6020	NA	Yes
1.4	10	ATLAS MILL	A0.010931	2/23/2000	WATEK	/440-46-4	Cobait	1.27		ь		9/22/2000	KW	3031/0020	IVA	165
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-50-8	Copper	2.85		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7439-89-6	Iron	6460				10/2/2000	RW	3051/6020	NA	Yes
L4	10	ATLAS MILL	A0.010731	2/23/2000	WAILK	7437-87-0	non	0400				10/2/2000	IC VV	3031/0020	IVA	1 03
E4	10	SITE	A0.01095F	2/23/2000	WATER	7439-92-1	Lead	2.2		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7439-95-4	Magnesium	36000				10/2/2000	RW	3051/6020	NA	Yes
L4	10	ATLAS MILL	A0.010731	2/23/2000	WAILK	7437-73-4	wagnesium	30000				10/2/2000	IC VV	3031/0020	IVA	103
E4	10	SITE	A0.01095F	2/23/2000	WATER	7439-96-5	Manganese	28.2				9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
E4	10	ATLAS MILL	A0.010931	2/23/2000	WATER	7439-97-0	Wicicury	0.033	U			3/10/2000	KW	/4/1A	IVA	1 es
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-02-0	Nickel	3.1		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7440-09-7	Potassium	6950				10/2/2000	RW	3051/6020	NA	Yes
L4	10	ATLAS MILL	A0.010731	2/23/2000	WAILK	7440-05-7	1 Otassium	0730				10/2/2000	IC VV	3031/0020	IVA	1 03
E4	10	SITE	A0.01095F	2/23/2000	WATER	7782-49-2	Selenium	1.25		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7440-22-4	Silver	0.5		В		9/22/2000	RW	3051/6020	NA	Yes
LT	10	ATLAS MILL	A0.010731	2/23/2000	WAILK	7440-22-4	Sirver	0.5		В		<i>)</i> /22/2000	IC VV	3031/0020	IVA	103
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-23-5	Sodium	136000				10/2/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7440-28-0	Thallium	0.57		В		9/22/2000	RW	3051/6020	NA	Yes
	10	ATLAS MILL	710.010751	2/23/2000	WATER	7440 20 0	Thuman	0.51		-		7/22/2000	1011	3031/0020	1421	103
E4	10	SITE	A0.01095F	2/23/2000	WATER	7440-62-2	Vanadium	7.22		В		9/22/2000	RW	3051/6020	NA	Yes
E4	10	ATLAS MILL SITE	A0.01095F	2/23/2000	WATER	7440-66-6	Zinc	9.27		В		9/22/2000	RW	3051/6020	NA	Yes
	10	ATLAS MILL	110.010351	2/23/2000	WILLER	7110 00 0	20	7.21				7/22/2000	1017	303170020	1,11	105
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7429-90-5	Aluminum	16900				10/5/2000	RW	3051/6020	NA	Yes
E10	NS	ATLAS MILL SITE	A0.01103M	2/23/2000	WATER	7440-36-0	Antimony	1.21		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-38-2	Arsenic	4.41		В		9/22/2000	RW	3051/6020	NA	Yes
E10	NS	ATLAS MILL SITE	A0.01103M	2/23/2000	WATER	7440-39-3	Barium	139		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE ATLAS MILL	A0.01103M	2/23/2000	WATER	7440-41-7	Beryllium	1.48		В		9/22/2000	RW	3051/6020	NA	Yes
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-43-9	Cadmium	1.17		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE ATLAS MILL	A0.01103M	2/23/2000	WATER	7440-70-2	Calcium	95700		-		10/2/2000	RW	3051/6020	NA	Yes
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-47-3	Chromium	12.1				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE ATLAS MILL	A0.01103M	2/23/2000	WATER	7440-48-4	Cobalt	4.23		В		9/22/2000	RW	3051/6020	NA	Yes
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-50-8	Copper	11		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL										0/00:				
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7439-89-6	Iron	9980				9/22/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Ç	Qualifie	ers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									١.,	C	Q					
		ATLAS MILL								Ī	V					
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7439-92-1	Lead	7.84				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE ATLAS MILL	A0.01103M	2/23/2000	WATER	7439-95-4	Magnesium	34700				9/22/2000	RW	3051/6020	NA	Yes
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7439-96-5	Manganese	142				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
E10	NS	ATLAS MILL SITE	A0.01103M	2/23/2000	WATER	7440-02-0	Nickel	10.6		В		9/22/2000	RW	3051/6020	NA	Yes
LIU	145	ATLAS MILL	A0.01105W	2/23/2000	WAILK	7440-02-0	IVICKCI	10.0		ь		3/22/2000	ΚW	3031/0020	IVA	1 03
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-09-7	Potassium	7920				9/22/2000	RW	3051/6020	NA	Yes
T10	210	ATLAS MILL		a /a a /a o o o		##02 40 A						0/22/2000	D.V.	2054/5020	37.	
E10	NS	SITE ATLAS MILL	A0.01103M	2/23/2000	WATER	7782-49-2	Selenium	6.66				9/22/2000	RW	3051/6020	NA	Yes
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-22-4	Silver	0.85		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	NS	SITE ATLAS MILL	A0.01103M	2/23/2000	WATER	7440-23-5	Sodium	135000		<u> </u>	<u> </u>	10/2/2000	RW	3051/6020	NA	Yes
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-28-0	Thallium	0.84		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				, , , , , , , , ,		****				7,22,200				
E10	NS	SITE	A0.01103M	2/23/2000	WATER	7440-62-2	Vanadium	31.4		В		9/22/2000	RW	3051/6020	NA	Yes
E10	NS	ATLAS MILL SITE	A0.01103M	2/23/2000	WATER	7440-66-6	Zinc	42.1				9/22/2000	RW	3051/6020	NA	Yes
EIU	NS	ATLAS MILL	A0.01103M	2/23/2000	WAIEK	/440-00-0	Zinc	42.1				9/22/2000	KW	3031/6020	NA	i es
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7429-90-5	Aluminum	1770				10/5/2000	RW	3051/6020	NA	Yes
T10	a 11 b	ATLAS MILL		0/00/0000		#440.05.0				_		0/22/2000	D.V.	2054/5020		
E10	Soil Pore	SITE ATLAS MILL	A0.01104N	2/23/2000	WATER	7440-36-0	Antimony	0.1		В		9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-38-2	Arsenic	8.22		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-39-3	Barium	173		В		9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	ATLAS MILL SITE	A0.01104N	2/23/2000	WATER	7440-41-7	Beryllium	0.06		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				, , , , , , ,		*****				7,22,200				
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-43-9	Cadmium	0.1		В		9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	ATLAS MILL SITE	A0.01104N	2/23/2000	WATER	7440-70-2	Calcium	74600				10/2/2000	RW	3051/6020	NA	Yes
E10	Son role	ATLAS MILL	A0.01104IN	2/23/2000	WATEK	7440-70-2	Calcium	74000				10/2/2000	KW	3031/0020	NA	1 es
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-47-3	Chromium	1.74		В		9/22/2000	RW	3051/6020	NA	Yes
Etc	0.15	ATLAS MILL	10.0110.01	0/00/2000	W. Ameri	7440 10 1		0.55				0/00/2000	DIV	2051/5020	27.	
E10	Soil Pore	SITE ATLAS MILL	A0.01104N	2/23/2000	WATER	7440-48-4	Cobalt	0.55		В	<del>                                     </del>	9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-50-8	Copper	2.17		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7439-89-6	Iron	5350		<u> </u>	<u> </u>	9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	ATLAS MILL SITE	A0.01104N	2/23/2000	WATER	7439-92-1	Lead	1.99		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					5444			Ť		2.22/2000		2021.0020		- 00
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7439-95-4	Magnesium	21300		<u> </u>		9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	ATLAS MILL SITE	A0.01104N	2/23/2000	WATER	7439-96-5	Manganese	848				9/22/2000	RW	3051/6020	NA	Yes
1.10	Jon Fore	ATLAS MILL	AU.01104IN	212312000	WAILK	1737-70-3	ivianganese	010		1	1	712212000	17. 88	3031/0020	11/1	1 05
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Ç	Qualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									١.	C	Q					
		ATLAS MILL							,		Q					
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-02-0	Nickel	1.93		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-09-7	Potassium	4970		В		9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	ATLAS MILL SITE	A0.01104N	2/23/2000	WATER	7782-49-2	Selenium	9.05				9/22/2000	RW	3051/6020	NA	Yes
LIU	Son role	ATLAS MILL	A0.01104IV	2/23/2000	WAILK	7762-47-2	Scientini	7.03				7/22/2000	ΚW	3031/0020	IVA	1 03
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-22-4	Silver	0.09		В		9/22/2000	RW	3051/6020	NA	Yes
F10	G 11 B	ATLAS MILL	40.0110.01	2/22/2000	WATER	7440.22.5	G 1:	55700				10/2/2000	DIV	2051/6020	27.4	37
E10	Soil Pore	SITE ATLAS MILL	A0.01104N	2/23/2000	WATER	7440-23-5	Sodium	55700				10/2/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	Soil Pore	SITE	A0.01104N	2/23/2000	WATER	7440-62-2	Vanadium	5.74		В		9/22/2000	RW	3051/6020	NA	Yes
E10	Soil Pore	ATLAS MILL SITE	A0.01104N	2/23/2000	WATER	7440-66-6	Zinc	12.5		В		9/22/2000	RW	3051/6020	NA	Yes
210	5011 1 010	ATLAS MILL	110.0110111	2/23/2000	***************************************	7110 00 0	Zime	12.0				7/22/2000	2011	3031,0020	1,1.1	103
E10	5	SITE	A0.01101K	2/23/2000	WATER	7429-90-5	Aluminum	22200				10/5/2000	RW	3051/6020	NA	Yes
E10	5	ATLAS MILL SITE	A0.01101K	2/23/2000	WATER	7440-36-0	Antimony	0.25		В		9/22/2000	RW	3051/6020	NA	Vaa
EIU	3	ATLAS MILL	A0.01101K	2/23/2000	WAIEK	/440-36-0	Antimony	0.23		ь		9/22/2000	KW	3031/6020	NA	Yes
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-38-2	Arsenic	2.52		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								_						
E10	5	SITE ATLAS MILL	A0.01101K	2/23/2000	WATER	7440-39-3	Barium	131		В		9/22/2000	RW	3051/6020	NA	Yes
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-41-7	Beryllium	0.49		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-43-9	Cadmium	0.14		В		9/22/2000	RW	3051/6020	NA	Yes
E10	5	ATLAS MILL SITE	A0.01101K	2/23/2000	WATER	7440-70-2	Calcium	91400				10/2/2000	RW	3051/6020	NA	Yes
	-	ATLAS MILL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,										
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-47-3	Chromium	11.7				9/22/2000	RW	3051/6020	NA	Yes
E10	5	ATLAS MILL SITE	A0.01101K	2/23/2000	WATER	7440-48-4	Cobalt	2.71		В		9/22/2000	RW	3051/6020	NA	Yes
LIO		ATLAS MILL	A0.01101K	2/23/2000	WAILK	7440-48-4	Cobait	2./1		Б		<i>)</i> /22/2000	ΚW	3031/0020	IVA	1 03
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-50-8	Copper	14.5		В		9/22/2000	RW	3051/6020	NA	Yes
E10	5	ATLAS MILL	40.011017	2/22/2000	WATED	7420.00.6	T	9020				0/22/2000	DW	2051/6020	NIA	
E10	3	SITE ATLAS MILL	A0.01101K	2/23/2000	WATER	7439-89-6	Iron	9020				9/22/2000	RW	3051/6020	NA	Yes
E10	5	SITE	A0.01101K	2/23/2000	WATER	7439-92-1	Lead	6.11				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	5	SITE ATLAS MILL	A0.01101K	2/23/2000	WATER	7439-95-4	Magnesium	34600		1		9/22/2000	RW	3051/6020	NA	Yes
E10	5	SITE	A0.01101K	2/23/2000	WATER	7439-96-5	Manganese	87.6				9/22/2000	RW	3051/6020	NA	Yes
Ī		ATLAS MILL														
E10	5	SITE	A0.01101K	2/23/2000	WATER	7439-97-6	Mercury	0.033	U	<u> </u>		3/16/2000	RW	7471A	NA	Yes
E10	5	ATLAS MILL SITE	A0.01101K	2/23/2000	WATER	7440-02-0	Nickel	7.81		В		9/22/2000	RW	3051/6020	NA	Yes
1.10	5	ATLAS MILL	AU.01101K	2/23/2000	WALLK	/440-02-0	INICACI	7.01		В		7/22/2000	17. 44	3031/0020	11/1	103
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-09-7	Potassium	8150				9/22/2000	RW	3051/6020	NA	Yes
E10	5	ATLAS MILL	A0 011011	2/23/2000	WATER	7782-49-2	Colonium	1.93		В		9/22/2000	RW	3051/6020	N/A	Vaa
E10	3	SITE ATLAS MILL	A0.01101K	4/43/4000	WAIEK	1104-49-4	Selenium	1.93		В		9/44/4000	K.W	3031/0020	NA	Yes
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-22-4	Silver	0.08		В		9/22/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	5	D . AV	NAPEL C. I. "	D . C	35	GAGN. I		6				B		35.0.1	m .	:.
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
		ATLACAMIA							C		Q					<u> </u>
E10	5	ATLAS MILL SITE	A0.01101K	2/23/2000	WATER	7440-23-5	Sodium	138000				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	5	SITE ATLAS MILL	A0.01101K	2/23/2000	WATER	7440-28-0	Thallium	0.14		В		9/22/2000	RW	3051/6020	NA	Yes
E10	5	SITE	A0.01101K	2/23/2000	WATER	7440-62-2	Vanadium	31.4		В		9/22/2000	RW	3051/6020	NA	Yes
E10	5	ATLAS MILL SITE	A0.01101K	2/23/2000	WATER	7440-66-6	Zinc	38.50				9/22/2000	RW	3051/6020	NA	None
	-	ATLAS MILL														
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7429-90-5	Aluminum	20600				10/5/2000	RW	3051/6020	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-36-0	Antimony	1.63		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7440-38-2	Arsenic	4.31		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL	A0.011003	2/23/2000		/440-36-2	AISCIIC	4.31		ь			IX VV	3031/0020	INA	1 05
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-39-3	Barium	131		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7440-41-7	Beryllium	1.8		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL	10.011001	2/22/2000	WATER	7440 42 0	0.1.	1.20		Б		0/22/2000	DIV	2051/6020	27.4	
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7440-43-9	Cadmium	1.38		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-70-2	Calcium	92700				10/2/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7440-47-3	Chromium	13.3				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7440-48-4	Cobalt	4.33		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-50-8	Copper	9		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7439-89-6	Iron	9560				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL										_,,				
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7439-92-1	Lead	7.28				9/22/2000	RW	3051/6020	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7439-95-4	Magnesium	32700				9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7439-96-5	Manganese	91.5				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-02-0	Nickel	9.1		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7440-09-7	Potassium	7920				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7782-49-2	Selenium	7.61				9/22/2000	RW	3051/6020	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-22-4	Silver	0.38		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7440-23-5	Sodium	134000				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
E10	10	SITE ATLAS MILL	A0.01100J	2/23/2000	WATER	7440-28-0	Thallium	1.62		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	SITE	A0.01100J	2/23/2000	WATER	7440-62-2	Vanadium	34.4		В		9/22/2000	RW	3051/6020	NA	Yes
E10	10	ATLAS MILL SITE	A0.01100J	2/23/2000	WATER	7440-66-6	Zinc	33.9				9/22/2000	RW	3051/6020	NA	Yes
EIU	10	SHE	AU.01100J	2/23/2000	WAIEK	/440-00-0	ZIIIC	33.9				9/22/2000	RW	3031/0020	INA	1 68

Appendix 18. Total metals in water from field sampling, February 2000.

Client	Etwata (m)	Duois at Names	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Amaluta	Consontration (ug/I)	_			Data Analyzad	Amalust	Method	Toutunes	Artifacts:
Sample ID:	Strata (III)	Project Name:	NAKEL Sample #:	Date Conecteu:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie		Date Analyzed	Analyst	Method	Texture:	Armacis:
	LIDDR AW	ATLAS MILL							(	2	Q					
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7429-90-5	Aluminum	274				9/11/2000	RW	3051/6020	NA	Yes
MW	UPDRAW	ATLAS MILL SITE	A 0 010CC A	2/23/2000	WATED	7440-36-0	A	2.12		В		9/11/2000	RW	2051/6020	NA	V
IVIW	(UD) UPDRAW	ATLAS MILL	A0.01066A	2/23/2000	WATER	/440-36-0	Antimony	3.13		В		9/11/2000	KW	3051/6020	NA	Yes
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7440-38-2	Arsenic	26				9/11/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7440-39-3	Barium	40.6		В		9/11/2000	RW	3051/6020	NA	Yes
	UPDRAW	ATLAS MILL								_						
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01066A	2/23/2000	WATER	7440-41-7	Beryllium	2.46		В		9/11/2000	RW	3051/6020	NA	Yes
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7440-43-9	Cadmium	3.16		В		9/12/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7440-70-2	Calcium	695000				9/12/2000	RW	3051/6020	NA	Yes
	UPDRAW	ATLAS MILL														
MW	(UD)	SITE ATLAS MILL	A0.01066A	2/23/2000	WATER	7440-47-3	Chromium	3.36		В		9/11/2000	RW	3051/6020	NA	Yes
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7440-48-4	Cobalt	6.44		В		9/11/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7440-50-8	Common	22.2		В		9/11/2000	RW	3051/6020	NA	Yes
IVI VV		ATLAS MILL	A0.01000A	2/23/2000	WATER	7440-30-8	Copper	ZZ.Z		ь		9/11/2000	KW	3031/6020	NA	i es
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7439-89-6	Iron	1250				9/11/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7439-92-1	Lead	3.94				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		0.100.100.00		#400.05.4		#42000				0/42/2000	D.111	2054/5020	27.1	
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01066A	2/23/2000	WATER	7439-95-4	Magnesium	743000				9/12/2000	RW	3051/6020	NA	Yes
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7439-96-5	Manganese	5350				9/12/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
	UPDRAW	ATLAS MILL														
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01066A	2/23/2000	WATER	7440-02-0	Nickel	25.1		В		9/11/2000	RW	3051/6020	NA	Yes
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7440-09-7	Potassium	102000				9/12/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7782-49-2	Selenium	11.1				9/11/2000	RW	3051/6020	NA	Yes
	UPDRAW	ATLAS MILL	710.0100071				Scientini						ICW	3031/0020	1471	1 03
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01066A	2/23/2000	WATER	7440-22-4	Silver	0.69		В		9/12/2000	RW	3051/6020	NA	Yes
MW	(UD)	SITE	A0.01066A	2/23/2000	WATER	7440-23-5	Sodium	2260000				9/13/2000	RW	3051/6020	NA	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7440-28-0	Thallium	4.04		В		9/11/2000	RW	3051/6020	NA	Yes
IVI VV	UPDRAW	ATLAS MILL	A0.01000A	2/23/2000	WAIEK	/440-26-0	Hamun	4.04		Б		9/11/2000	IV. W	3031/0020	INA	I es
MW	(UD) UPDRAW	SITE	A0.01066A	2/23/2000	WATER	7440-62-2	Vanadium	300				9/11/2000	RW	3051/6020	NA	Yes
MW	(UD)	ATLAS MILL SITE	A0.01066A	2/23/2000	WATER	7440-66-6	Zinc	63.1				9/11/2000	RW	3051/6020	NA	Yes
M		ATLAS MILL				7420 00 5		22/00				0/12/2000	DW		NI 4	V
MW	NS	SITE ATLAS MILL	A0.01064Y	2/23/2000	WATER	7429-90-5	Aluminum	23600				9/13/2000	RW	3051/6020	NA	Yes
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-36-0	Antimony	2.22		В		9/11/2000	RW	3051/6020	NA	Yes
MW	NS	ATLAS MILL SITE	A0.01064Y	2/23/2000	WATER	7440-38-2	Arsenic	3.65		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-39-3	Barium	131		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

									1							
Client Sample ID:	Strata (m)	Project Name	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		Dualifie	me	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	1 Toject Name.	NAKEL Sample #.	Date Concercu.	wati ix.	CAS Number	Analyte	Concentration (ug/L)		uamic		Date Analyzeu	Analyst	Withou	Texture.	Ai tilacts.
									(	С	Q					
		ATLAS MILL														
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-41-7	Beryllium	3.13		В		9/11/2000	RW	3051/6020	NA	Yes
MW	NS	ATLAS MILL SITE	A0.01064Y	2/23/2000	WATER	7440-43-9	Cadmium	2.68		В		9/11/2000	RW	3051/6020	NA	Yes
14144	110	ATLAS MILL	710.010041	2/23/2000	WITTER	7440 43 7	Cadimani	2.00		-		3/11/2000	TC VV	3031/0020	1421	1 03
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-70-2	Calcium	99400				9/12/2000	RW	3051/6020	NA	Yes
	210	ATLAS MILL		0/02/0000		#440 4# A						0/44/2000	D.V.	2054/5020	37.	
MW	NS	SITE ATLAS MILL	A0.01064Y	2/23/2000	WATER	7440-47-3	Chromium	14				9/11/2000	RW	3051/6020	NA	Yes
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-48-4	Cobalt	5.33		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-50-8	Copper	11.3		В		9/11/2000	RW	3051/6020	NA	Yes
MW	NS	ATLAS MILL SITE	A0.01064Y	2/23/2000	WATER	7439-89-6	Iron	10200				9/11/2000	RW	3051/6020	NA	Yes
IVI VV	IND	ATLAS MILL	A0.010041	2/23/2000	WATEK	7439-89-0	Hon	10200				9/11/2000	KW	3031/0020	NA	1 es
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7439-92-1	Lead	8.92				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	NS	SITE ATLAS MILL	A0.01064Y	2/23/2000	WATER	7439-95-4	Magnesium	38200				9/11/2000	RW	3051/6020	NA	Yes
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7439-96-5	Manganese	129				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
MW	NS	ATLAS MILL	A0.01064Y	2/23/2000	WATER	7440-02-0	NI:-11	10.3		В		9/11/2000	RW	3051/6020	NA	
MW	NS	SITE ATLAS MILL	A0.01064 Y	2/23/2000	WATER	/440-02-0	Nickel	10.3		В		9/11/2000	KW	3031/6020	NA	Yes
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-09-7	Potassium	8480				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
MW	NS	ATLAS MILL SITE	A0.01064Y	2/23/2000	WATER	7440-22-4	Silver	2.81		В		9/11/2000	RW	3051/6020	NA	Yes
141 44	110	ATLAS MILL	710.010041	2/23/2000	WITTER	7440 22 4	Sirver	2.01		-		3/11/2000	TC VV	3031/0020	1421	1 03
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-23-5	Sodium	146000				9/13/2000	RW	3051/6020	NA	Yes
200	NG	ATLAS MILL	100106477	2/22/2000	WATER	7440 20 0	TT 11:	2.60		В		0/11/2000	DW	2051/6020	27.4	37
MW	NS	SITE ATLAS MILL	A0.01064Y	2/23/2000	WATER	7440-28-0	Thallium	2.68		В		9/11/2000	RW	3051/6020	NA	Yes
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-62-2	Vanadium	34.2		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	NS	SITE	A0.01064Y	2/23/2000	WATER	7440-66-6	Zinc	36			<u> </u>	9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	ATLAS MILL SITE	A0.01065Z	2/23/2000	WATER	7429-90-5	Aluminum	6810				9/13/2000	RW	3051/6020	NA	Yes
11	501010	ATLAS MILL	110.010002	2,23,2000		, 12, 70 5		0010				3,13,2000	2011	505170020	1.71	. 53
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-36-0	Antimony	3.58		В		9/11/2000	RW	3051/6020	NA	Yes
2.007	G 11 D	ATLAS MILL	10.010657	2/22/2000	WATER	7440 20 2		10		В		0/11/2000	DW	2051/6020	27.4	37
MW	Soil Pore	SITE ATLAS MILL	A0.01065Z	2/23/2000	WATER	7440-38-2	Arsenic	10		В		9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-39-3	Barium	85.5		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-41-7	Beryllium	2.55		В		9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	ATLAS MILL SITE	A0.01065Z	2/23/2000	WATER	7440-43-9	Cadmium	5.07				9/11/2000	RW	3051/6020	NA	Yes
171 11	30111010	ATLAS MILL	110.010002	2/23/2000	WILLIA	7440 45 7	Cuamiani	5.07				7/11/2000	1011	3031/0020	11/1	103
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-70-2	Calcium	723000				9/12/2000	RW	3051/6020	NA	Yes
1.637	C-:1 D-:	ATLAS MILL	40.010657	2/22/2000	WATED	7440 47 2	Character.	0.64		D		0/11/2000	DW	2051/6020	NIA	V
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-47-3	Chromium	9.64	l	В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	С	Q					
		ATLAS MILL									Ì					
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-48-4	Cobalt	14.1		В		9/11/2000	RW	3051/6020	NA	Yes
100	G 11 D	ATLAS MILL	10.010657	2/22/2000	WATER	7440.50.0		20.7				0/11/2000	DW	2051/6020	37.4	37
MW	Soil Pore	SITE ATLAS MILL	A0.01065Z	2/23/2000	WATER	7440-50-8	Copper	28.7				9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7439-89-6	Iron	5100				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		- / /												
MW	Soil Pore	SITE ATLAS MILL	A0.01065Z	2/23/2000	WATER	7439-92-1	Lead	8.24				9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7439-95-4	Magnesium	831000				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	Soil Pore	SITE ATLAS MILL	A0.01065Z	2/23/2000	WATER	7439-96-5	Manganese	12100				9/12/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
		ATLAS MILL														
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-02-0	Nickel	22.9		В		9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	ATLAS MILL SITE	A0.01065Z	2/23/2000	WATER	7440-09-7	Potassium	88400				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				, , , , , ,						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7782-49-2	Selenium	7.55				9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	ATLAS MILL SITE	A0.01065Z	2/23/2000	WATER	7440-22-4	Silver	2.56		В		9/11/2000	RW	3051/6020	NA	Yes
11111	5011 1 010	ATLAS MILL	110.010002	2/23/2000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7110 22 1	Sirver	2.00				7/11/2000	1017	300170020	1,11	100
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-23-5	Sodium	2670000				9/13/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	ATLAS MILL SITE	A0.01065Z	2/23/2000	WATER	7440-28-0	Thallium	3.5		В		9/11/2000	RW	3051/6020	NA	Yes
141 44	Son rore	ATLAS MILL	710.010032	2/23/2000	WITTER	7440 20 0	Thuman	5.5		Б		3/11/2000	TC VV	3031/0020	1421	103
MW	Soil Pore	SITE	A0.01065Z	2/23/2000	WATER	7440-62-2	Vanadium	55.5				9/11/2000	RW	3051/6020	NA	Yes
MW	Soil Pore	ATLAS MILL SITE	A0.01065Z	2/23/2000	WATER	7440-66-6	Zinc	105				9/11/2000	RW	3051/6020	NA	Yes
141 44	Son rore	ATLAS MILL	710.010032	2/23/2000	WITTER	7440 00 0	Zine	103				3/11/2000	TC VV	303170020	1421	103
MW	1	SITE	A0.01063X	2/23/2000	WATER	7429-90-5	Aluminum	19300				9/13/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7440-36-0	Antimony	2.6		В		9/11/2000	RW	3051/6020	NA	Yes
141 44		ATLAS MILL	710.0100371	2/23/2000	WITTER	7440 30 0	7 themony	2.0		Б		3/11/2000	TC VV	303170020	1421	103
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-38-2	Arsenic	3.32		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7440-39-3	Barium	130		В		9/11/2000	RW	3051/6020	NA	Yes
191 99	1	ATLAS MILL	A0.01003A	2/23/2000	WAILK	7440-37-3	Darium	130		ь		2/11/2000	IC VV	3031/0020	IVA	1 03
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-41-7	Beryllium	3.05		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7440-43-9	Codmine	2.92		В		9/11/2000	RW	3051/6020	NA	Voc
IVI VV	1	ATLAS MILL	AU.01003A	2/23/2000	WAIEK	/440-43-9	Cadmium	2.72		ь		9/11/2000	I, W	3031/0020	INA	Yes
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-70-2	Calcium	105000				9/12/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7440-47-3	Chromium	14				9/11/2000	RW	3051/6020	NA	Yes
IVI VV	1	ATLAS MILL	AU.01003A	2/23/2000	WAIEK	/440-47-3	Ciiroiiium	14				9/11/2000	I, W	3031/0020	INA	1 68
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-48-4	Cobalt	5.54		В		9/11/2000	RW	3051/6020	NA	Yes
Man		ATLAS MILL	A0.01063W	2/22/2000	WATER	7440 50 8	Course	12.5		P		0/11/2000	DW	2051/0020	NI A	Ver
MW	1	SITE ATLAS MILL	A0.01063X	2/23/2000	WATER	7440-50-8	Copper	12.5		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	SITE	A0.01063X	2/23/2000	WATER	7439-89-6	Iron	9910				9/11/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL	40.010C2V	2/22/2000	WATED	7430 02 1	T 4	0.40				0/11/2000	DW	2051/6020	NIA	V
MW	1	SITE	A0.01063X	2/23/2000	WATER	7439-92-1	Lead	9.49			<u> </u>	9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	)ualifie	re	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	rroject Name.	TVICEE Sample #.	Date Concettu.	Matrix.	CASTAINDE	Maryte	Concentration (ug/E)		C	0	Date Maryzed	Tilalyst	Wethou	reature.	7 tilacts.
		ATLAS MILL							,		Q					
MW	1	SITE	A0.01063X	2/23/2000	WATER	7439-95-4	Magnesium	38200				9/11/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7439-96-5	Manganese	125				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	1	SITE ATLAS MILL	A0.01063X	2/23/2000	WATER	7439-97-6	Mercury	0.039		В		3/13/2000	RW	7471A	NA	Yes
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-02-0	Nickel	11.1		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7440-09-7	Potassium	8100				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				######################################										
MW	1	SITE ATLAS MILL	A0.01063X	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-22-4	Silver	2.96		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL SITE	A0.01063X	2/23/2000	WATER	7440-23-5	Sodium	145000				9/13/2000	RW	3051/6020	NA	Yes
MW	1	ATLAS MILL	40.010C2V	2/22/2000	WATER	7440 20 0	Th - 11:	2.02		ъ			DW	2051/6020	NIA	V
MW	1	SITE ATLAS MILL	A0.01063X	2/23/2000	WATER	7440-28-0	Thallium	2.92		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	SITE ATLAS MILL	A0.01063X	2/23/2000	WATER	7440-62-2	Vanadium	32.9		В		9/11/2000	RW	3051/6020	NA	Yes
MW	1	SITE	A0.01063X	2/23/2000	WATER	7440-66-6	Zinc	36.8				9/11/2000	RW	3051/6020	NA	Yes
MW	5	ATLAS MILL SITE	A0.01062W	2/23/2000	WATER	7429-90-5	Aluminum	23100				9/13/2000	RW	3051/6020	NA	Yes
101 00		ATLAS MILL	A0.01002 W	2/23/2000	WATER	7429-90-3	Alummum	23100				9/13/2000	IX VV	3031/0020	IVA	1 05
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7440-36-0	Antimony	2.46		В		9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-38-2	Arsenic	4.15		В		9/11/2000	RW	3051/6020	NA	Yes
MW	5	ATLAS MILL SITE	A0.01062W	2/23/2000	WATER	7440-39-3	Barium	133		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7440-41-7	Beryllium	2.75		В		9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-43-9	Cadmium	2.78		В		9/11/2000	RW	3051/6020	NA	Yes
MW	5	ATLAS MILL SITE	A0.01062W	2/23/2000	WATER	7440-70-2	Calcium	99500				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7440-47-3	Chromium	13.1				9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-48-4	Cobalt	5.62		В		9/11/2000	RW	3051/6020	NA	Yes
MW	5	ATLAS MILL SITE	A0.01062W	2/23/2000	WATER	7440-50-8	Copper	11.6		В		9/11/2000	RW	3051/6020	NA	Yes
	5	ATLAS MILL				7420 90 6		10400							NA	
MW		SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7439-89-6	Iron					9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7439-92-1	Lead	8.76		-		9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7439-95-4	Magnesium	34800				9/11/2000	RW	3051/6020	NA	Yes
MW	5	ATLAS MILL SITE	A0.01062W	2/23/2000	WATER	7439-96-5	Manganese	97.1				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-02-0	Nickel	10.8		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	٦.	Q					i l
		ATLAS MILL								Ī	~					
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-09-7	Potassium	7790				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-22-4	Silver	2.92		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL	110.0100211	2/23/2000	77777237	7110 22 1	Sirver	2.72				7/11/2000	2017	3031,0020	1,1.1	100
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-23-5	Sodium	153000				9/13/2000	RW	3051/6020	NA	Yes
3.4337	-	ATLAS MILL	A O O1OC233V	2/22/2000	WATED	7440 20 0	Th - 11:	2.61		В		0/11/2000	DW	2051/6020	NIA	V
MW	5	SITE ATLAS MILL	A0.01062W	2/23/2000	WATER	7440-28-0	Thallium	2.61		В		9/11/2000	RW	3051/6020	NA	Yes
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-62-2	Vanadium	33		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	5	SITE	A0.01062W	2/23/2000	WATER	7440-66-6	Zinc	35.5				9/11/2000	RW	3051/6020	NA	Yes
MW	10	ATLAS MILL SITE	A0.01061V	2/23/2000	WATER	7429-90-5	Aluminum	22300				7/18/2000	RW	3051/6020	NA	Yes
141 44	10	ATLAS MILL	710.01001 ¥	2/23/2000	WITTER	142) )0 3	Zudinindin	22300				7/10/2000	TC VV	3031/0020	1421	1 63
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-36-0	Antimony	2.29		В		7/18/2000	RW	3051/6020	NA	Yes
2.007	10	ATLAS MILL	40.0106177	2/22/2000	WATER	7440 20 2		424		ъ.		7/10/2000	DW	2051/6020	27.4	
MW	10	SITE ATLAS MILL	A0.01061V	2/23/2000	WATER	7440-38-2	Arsenic	4.34		В		7/18/2000	RW	3051/6020	NA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-39-3	Barium	140		В		7/18/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-41-7	Beryllium	2.89		В		7/18/2000	RW	3051/6020	NA	Yes
MW	10	ATLAS MILL SITE	A0.01061V	2/23/2000	WATER	7440-43-9	Cadmium	2.77		В		7/18/2000	RW	3051/6020	NA	Yes
		ATLAS MILL	110.01001 7	2/23/2000	77777237	7110 13 7	Cuamum	2.77				7710/2000	2017	3031,0020	1,1.1	1 65
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-70-2	Calcium	103000				7/21/2000	RW	3051/6020	NA	Yes
3.4337	10	ATLAS MILL	40.0106137	2/22/2000	WATED	7440 47 2	Chi	12.7				7/19/2000	DW	2051/6020	NIA	V
MW	10	SITE ATLAS MILL	A0.01061V	2/23/2000	WATER	7440-47-3	Chromium	13.7				7/18/2000	RW	3051/6020	NA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-48-4	Cobalt	5.7		В		7/18/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	10	SITE ATLAS MILL	A0.01061V	2/23/2000	WATER	7440-50-8	Copper	12.1		В		7/18/2000	RW	3051/6020	NA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7439-89-6	Iron	10600				7/18/2000	RW	3051/6020	NA	Yes
		ATLAS MILL	110.01001 7	2/23/2000	77777237	7137 07 0	11011	10000				7710/2000	2017	3031,0020	1,1.1	100
MW	10	SITE	A0.01061V	2/23/2000	WATER	7439-92-1	Lead	9.6				7/18/2000	RW	3051/6020	NA	Yes
MW	10	ATLAS MILL SITE	A0.01061V	2/23/2000	WATED	7439-95-4	Managina	35000				7/19/2000	RW	2051/6020	NIA	V
MW	10	ATLAS MILL	A0.01061V	2/23/2000	WATER	/439-95-4	Magnesium	33000				7/18/2000	KW	3051/6020	NA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7439-96-5	Manganese	114				7/18/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
MW	10	SITE ATLAS MILL	A0.01061V	2/23/2000	WATER	7439-97-6	Mercury	0.033	U	<u> </u>		3/9/2000	RW	7471A	NA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-02-0	Nickel	10.4		В		7/18/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				,				<u> </u>						
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-09-7	Potassium	7750				7/18/2000	RW	3051/6020	NA	Yes
MW	10	ATLAS MILL	40.0106137	2/23/2000	WATER	7782-49-2	Calaminus	0.756	U			7/19/2000	DW	2051/6020	NA	Vac
MW	10	SITE ATLAS MILL	A0.01061V	2/23/2000	WAIEK	1104-47-4	Selenium	0.756	U			7/18/2000	RW	3051/6020	INA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-22-4	Silver	3		В		7/18/2000	RW	3051/6020	NA	Yes
,		ATLAS MILL		0/00/	****	#440	a "					T/04:	D	2054	27	
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-23-5	Sodium	141000		l		7/21/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	re	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sumple 151	Struttu (III)	rojece miner	TWITELD Sumple #1	Dute Conceteur	TAMEL IA	C.15 . (umber	- mary to	concentration (ug/2)	(		0	Date Hangzed	rimiy 90	Menou	Textures	TH threes,
		ATLAS MILL									Ų					
MW	10	SITE ATLAS MILL	A0.01061V	2/23/2000	WATER	7440-28-0	Thallium	2.59		В		7/18/2000	RW	3051/6020	NA	Yes
MW	10	SITE	A0.01061V	2/23/2000	WATER	7440-62-2	Vanadium	33.4		В		7/18/2000	RW	3051/6020	NA	Yes
MW	10	ATLAS MILL SITE	A0.01061V	2/23/2000	WATER	7440-66-6	Zinc	37.9				7/18/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7429-90-5	Aluminum	22200				9/20/2000	RW	3051/6020	NA	Yes
- 52	110	ATLAS MILL	710.010001	2/23/2000		1427 70 3	rttammam	22200				3/20/2000	ICW	3031/0020	1471	1 03
D2	NS	SITE ATLAS MILL	A0.01080Y	2/23/2000	WATER	7440-36-0	Antimony	0.16		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	SITE	A0.01080Y	2/23/2000	WATER	7440-38-2	Arsenic	5.81		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-39-3	Barium	181		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-41-7	Beryllium	0.67		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-43-9	Cadmium	0.09		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								ь						
D2	NS	SITE ATLAS MILL	A0.01080Y	2/23/2000	WATER	7440-70-2	Calcium	102000				9/20/2000	RW	3051/6020	NA	Yes
D2	NS	SITE ATLAS MILL	A0.01080Y	2/23/2000	WATER	7440-47-3	Chromium	17.3				9/15/2000	RW	3051/6020	NA	Yes
D2	NS	SITE	A0.01080Y	2/23/2000	WATER	7440-48-4	Cobalt	4.73		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-50-8	Copper	13.9		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7439-89-6	Iron	15900				9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7439-92-1	Lead	10.7				9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7439-95-4	Magnesium	40500				9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7439-96-5	Manganese	242				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	NS	SITE ATLAS MILL	A0.01080Y	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D2	NS	SITE ATLAS MILL	A0.01080Y	2/23/2000	WATER	7440-02-0	Nickel	12.2		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	SITE	A0.01080Y	2/23/2000	WATER	7440-09-7	Potassium	9330				9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7782-49-2	Selenium	11.2				9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-22-4	Silver	0.19		В		9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-23-5	Sodium	137000				9/20/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D2	NS	ATLAS MILL SITE	A0.01080Y	2/23/2000	WATER	7440-28-0		44.4	J	В		9/15/2000	RW	3051/6020	NA NA	Yes
		ATLAS MILL					Vanadium			В						
D2	NS	SITE ATLAS MILL	A0.01080Y	2/23/2000	WATER	7440-66-6	Zinc	54.6				9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7429-90-5	Aluminum	1670				9/20/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	Etwata (m)	Duois at Names	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Amaluta	Consontration (ug/L)				Data Analyzad	Amalust	Method	Toutunes	Artifacts:
Sample ID:	Strata (III)	Froject Name:	NAKEL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie		Date Analyzed	Analyst	Method	Texture:	Armacis:
		ATLAS MILL							(	3	Q					
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7440-36-0	Antimony	0.58		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATED	7440-38-2	A	5.94		В		9/15/2000	RW	2051/6020	NIA	V
DZ	Soil Pole	ATLAS MILL	A0.01081Z	2/23/2000	WATER	/440-38-2	Arsenic	3.94		ь		9/13/2000	KW	3051/6020	NA	Yes
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7440-39-3	Barium	38.5		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-41-7	Beryllium	0.047	U			9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-43-9	Cadmium	2.68		В		9/15/2000	RW	3051/6020	NA	Yes
DZ	Son Fore	ATLAS MILL	A0.01081Z	2/23/2000		7440-43-9	Caumum			ь		9/13/2000	IX VV	3031/0020	IVA	1 65
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7440-70-2	Calcium	489000				9/20/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-47-3	Chromium	3.16		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-48-4	Cobalt	7.37		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					Coount									
D2	Soil Pore	SITE ATLAS MILL	A0.01081Z	2/23/2000	WATER	7440-50-8	Copper	16.3		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7439-89-6	Iron	2090				9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7439-92-1	Lead	3.47				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	Soil Pore	SITE ATLAS MILL	A0.01081Z	2/23/2000	WATER	7439-95-4	Magnesium	715000				9/20/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	SITE ATLAS MILL	A0.01081Z	2/23/2000	WATER	7439-96-5	Manganese	7840				9/20/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-02-0	Nickel	31.6		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	Soil Pore	SITE ATLAS MILL	A0.01081Z	2/23/2000	WATER	7440-09-7	Potassium	103000				9/20/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7782-49-2	Selenium	19.8				9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-22-4	Silver	0.21		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Cail Dana	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-23-5	Codina	3120000				9/20/2000	RW	2051/6020	N/A	Vac
DZ	Soil Pore	ATLAS MILL	A0.01081Z	2/23/2000	WATER	7440-23-3	Sodium	3120000				9/20/2000	KW	3051/6020	NA	Yes
D2	Soil Pore	SITE ATLAS MILL	A0.01081Z	2/23/2000	WATER	7440-28-0	Thallium	0.78		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	SITE	A0.01081Z	2/23/2000	WATER	7440-62-2	Vanadium	10.1		В		9/15/2000	RW	3051/6020	NA	Yes
D2	Soil Pore	ATLAS MILL SITE	A0.01081Z	2/23/2000	WATER	7440-66-6	Zinc	124				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	1	SITE ATLAS MILL	A0.01079F	2/23/2000	WATER	7429-90-5	Aluminum	14800				9/20/2000	RW	3051/6020	NA	Yes
D2	1	SITE ATLAS MILL	A0.01079F	2/23/2000	WATER	7440-36-0	Antimony	0.11		В		9/15/2000	RW	3051/6020	NA	Yes
D2	1	SITE	A0.01079F	2/23/2000	WATER	7440-38-2	Arsenic	2.56		В		9/15/2000	RW	3051/6020	NA	Yes
D2	1	ATLAS MILL SITE	A0.01079F	2/23/2000	WATER	7440-39-3	Barium	122		В		9/15/2000	RW	3051/6020	NA	Yes
	•	ATLAS MILL														
D2	1	SITE	A0.01079F	2/23/2000	WATER	7440-41-7	Beryllium	0.36		В		9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-43-9   Cadmium   0.057   U   9/15/2000   Calcium   D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-70-2   Calcium   90500   9/20/2000   ATLAS MILL   Calcium	2000 RW 2000 RW 2000 RW	Method 3051/6020 3051/6020	Texture:	Artifacts:
D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-43-9   Cadmium   0.057   U   9/15/2000   Cadmium   D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-70-2   Calcium   90500   9/20/2000   Cadmium	2000 RW 2000 RW	3051/6020		TH UNICES!
D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-43-9   Cadmium   0.057   U   9/15/   D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-70-2   Calcium   90500   9/20/   ATLAS MILL   ATLAS MILL   Calcium   Ca	2000 RW		NA	
D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-43-9   Cadmium   0.057   U   9/15/   ATLAS MILL   D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-70-2   Calcium   90500   9/20/   ATLAS MILL   O   O   O   O   O   O   O   O   O	2000 RW		NA	
D2         1         SITE         A0.01079F         2/23/2000         WATER         7440-70-2         Calcium         90500         9/200           ATLAS MILL         ATLAS MILL         4<		3051/6020		Yes
ATLAS MILL		3051/60/0	37.4	
	2000 RW	3031,0020	NA	Yes
		3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-48-4 Cobalt 2.39 B 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL				
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-50-8 Copper 8.33 B 9/15/	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7439-89-6 Iron 8490 9/15/	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7439-92-1 Lead 5.04 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL			IVA	103
	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7439-96-5 Manganese 86.2 9/15/	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7439-97-6 Mercury 0.033 U 3/14/	/2000 PW	7471 4	NIA	V
D2 1 SITE A0.01079F 2/23/2000 WATER 7439-97-6 Mercury 0.033 U 3/14/	2000 RW	7471A	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-02-0 Nickel 6.81 B 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL   D2   1   SITE   A0.01079F   2/23/2000   WATER   7440-09-7   Potassium   7150   9/15/	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7782-49-2 Selenium 4.57 B 9/15/	2000 RW	3051/6020	NA	Yes
D2 1 STL	2000 KW	3031/0020	IVA	1 03
	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-23-5 Sodium 137000 9/20/	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-28-0 Thallium 0.055 U 9/15/	2000 RW	3051/6020	NIA	Vac
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-28-0 Thallium 0.055 U 9/15/ ATLAS MILL	2000 KW	3031/6020	NA	Yes
	2000 RW	3051/6020	NA	Yes
D2 1 SITE A0.01079F 2/23/2000 WATER 7440-66-6 Zinc 25.9 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL				
D2 5 SITE A0.01078E 2/23/2000 WATER 7429-90-5 Aluminum 11400 9/20/ ATLAS MILL	2000 RW	3051/6020	NA	Yes
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-36-0 Antimony 0.25 B 9/15/	2000 RW	3051/6020	NA	Yes
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-38-2 Arsenic 2.88 B 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL				
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-39-3 Barium 120 B 9/15/	2000 RW	3051/6020	NA	Yes
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-41-7 Beryllium 0.63 B 9/15/	2000 RW	3051/6020	NA	Yes
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-43-9 Cadmium 0.13 B 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL				
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-70-2 Calcium 88600 9/20/ ATLAS MILL	2000 RW	3051/6020	NA	Yes
D2 5 SITE A0.01078E 2/23/2000 WATER 7440-47-3 Chromium 7.47 B 9/15/	2000 RW	3051/6020	NA	Yes
ATLAS MILL   D2   5   SITE   A0.01078E   2/23/2000   WATER   7440-48-4   Cobalt   2.5   B   9/15/	/2000 RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	7	Q					
		ATLAS MILL							·	Ĭ	`					
D2	5	SITE	A0.01078E	2/23/2000	WATER	7440-50-8	Copper	15.9		В		9/15/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7439-89-6	Iron	7380				9/15/2000	RW	2051/6020	NA	Yes
102	3	ATLAS MILL	A0.010/8E	2/23/2000	WAIEK	/439-89-0	Hon	7360				9/13/2000	KW	3051/6020	NA	i es
D2	5	SITE	A0.01078E	2/23/2000	WATER	7439-92-1	Lead	5.32				9/15/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7439-95-4	Magnesium	37200				9/15/2000	RW	3051/6020	NA	Yes
DZ	3	ATLAS MILL	A0.010/8E	2/23/2000	WATER	7439-93-4	Magnesium	37200				9/13/2000	KW	3031/6020	NA	res
D2	5	SITE	A0.01078E	2/23/2000	WATER	7439-96-5	Manganese	89.5				9/15/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
DZ	3	ATLAS MILL	A0.010/8E	2/23/2000	WATER	/439-97-0	Mercury	0.033	U			3/14/2000	KW	/4/1A	NA	res
D2	5	SITE	A0.01078E	2/23/2000	WATER	7440-02-0	Nickel	6.81		В		9/15/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7440-09-7	Potassium	6740				9/15/2000	RW	3051/6020	NA	Yes
DZ	3	ATLAS MILL	A0.010/8E	2/23/2000	WATER	/440-09-/	Potassium	6740				9/13/2000	KW	3031/6020	NA	res
D2	5	SITE	A0.01078E	2/23/2000	WATER	7782-49-2	Selenium	5.07				9/15/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7440-22-4	Silver	0.29		В		9/15/2000	RW	3051/6020	NA	Yes
DZ	3	ATLAS MILL	A0.01078E	2/23/2000	WATEK	7440-22-4	Silvei	0.29		ь		9/13/2000	KW	3031/0020	IVA	1 65
D2	5	SITE	A0.01078E	2/23/2000	WATER	7440-23-5	Sodium	137000				9/20/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
102		ATLAS MILL	A0.01076L	2/23/2000	WAILK	7440-28-0	Thamum	0.055	0			2/13/2000	IC VV	3031/0020	IVA	103
D2	5	SITE	A0.01078E	2/23/2000	WATER	7440-62-2	Vanadium	20.6		В		9/15/2000	RW	3051/6020	NA	Yes
D2	5	ATLAS MILL SITE	A0.01078E	2/23/2000	WATER	7440-66-6	Zinc	29.9				9/15/2000	RW	3051/6020	NA	Yes
102		ATLAS MILL	A0.01076L	2/23/2000	WAILK	7440-00-0	Zinc	2).)				2/13/2000	IC VV	3031/0020	IVA	103
D2	10	SITE	A0.01077D	2/23/2000	WATER	7429-90-5	Aluminum	9680.00				9/20/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-36-0	Antimony	0.42		В		9/15/2000	RW	3051/6020	NA	Yes
102	10	ATLAS MILL	710.0107712	2/23/2000	WATER	7440 30 0	Zintimony	0.42		-		3/13/2000	TCVV	3031/0020	1421	1 03
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-38-2	Arsenic	3.11		В		9/15/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-39-3	Barium	116		В		9/15/2000	RW	3051/6020	NA	Yes
52	- 10	ATLAS MILL	110.010772	2/23/2000		7110 37 3	Darram	110				7/15/2000	1017	303170020	1,11	100
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-41-7	Beryllium	0.54		В		9/15/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-43-9	Cadmium	0.27		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-70-2	Calcium	89100		-		9/20/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-47-3	Chromium	6.2		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	10	SITE ATLAS MILL	A0.01077D	2/23/2000	WATER	7440-48-4	Cobalt	2.24		В		9/15/2000	RW	3051/6020	NA	Yes
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-50-8	Copper	7.31		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	10	SITE ATLAS MILL	A0.01077D	2/23/2000	WATER	7439-89-6	Iron	6280		-		9/15/2000	RW	3051/6020	NA	Yes
D2	10	SITE	A0.01077D	2/23/2000	WATER	7439-92-1	Lead	4.39				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D2	10	SITE	A0.01077D	2/23/2000	WATER	7439-95-4	Magnesium	36000				9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																1
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	3	Q					ı
		ATLAS MILL									_					
D2	10	SITE	A0.01077D	2/23/2000	WATER	7439-96-5	Manganese	75.3				9/15/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
102	10	ATLAS MILL	A0.01077D	2/23/2000	WATEK	7439-97-0	Wiercury	0.055	U			3/14/2000	KW	/4/1A	IVA	1 65
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-02-0	Nickel	6.09		В		9/15/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-09-7	Potassium	6500				9/15/2000	RW	3051/6020	NA	Yes
- D2	10	ATLAS MILL	A0.01077D	2/23/2000	WAILK	7440-05-7	1 Otassium	0300				2/13/2000	ΚW	3031/0020	IVA	1 03
D2	10	SITE	A0.01077D	2/23/2000	WATER	7782-49-2	Selenium	7.53				9/15/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-22-4	Silver	0.47		В		9/15/2000	RW	3051/6020	NA	Yes
102	10	ATLAS MILL	A0.01077D	2/23/2000	WATER	/440-22-4	Silvei	0.47		ь		9/13/2000	KW	3031/0020	NA	1 65
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-23-5	Sodium	137000				9/20/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
102	10	ATLAS MILL	A0.01077D	2/23/2000	WAILK	7440-28-0	Thamum	0.055	0			2/13/2000	ΚW	3031/0020	IVA	1 03
D2	10	SITE	A0.01077D	2/23/2000	WATER	7440-62-2	Vanadium	17.4		В		9/15/2000	RW	3051/6020	NA	Yes
D2	10	ATLAS MILL SITE	A0.01077D	2/23/2000	WATER	7440-66-6	Zinc	22.3				9/15/2000	RW	3051/6020	NA	Yes
	10	ATLAS MILL	710.01077B	2/23/2000	WATER	7440 00 0	Zine	22.3				3/13/2000	ICVV	3031/0020	1421	1 63
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7429-90-5	Aluminum	18300				9/13/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-36-0	Antimony	2.86		В		9/11/2000	RW	3051/6020	NA	Yes
	145	ATLAS MILL	110:010372	2/23/2000	WATER	7440 30 0	Zintimony	2.00		-		3/11/2000	ICVV	3031/0020	1421	1 03
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-38-2	Arsenic	5.01		В		9/11/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-39-3	Barium	150		В		9/11/2000	RW	3051/6020	NA	Yes
	145	ATLAS MILL	110:010372	2/23/2000	WATER	7440 37 3	Darram	130		-		3/11/2000	ICVV	3031/0020	1421	1 03
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-41-7	Beryllium	3.09		В		9/11/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-43-9	Cadmium	3.17		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				, , , , ,						77.57.2000				
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-70-2	Calcium	119000				9/12/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-47-3	Chromium	15.4				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-48-4	Cobalt	6.8		В		9/11/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-50-8	Copper	14.9		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	NS	SITE ATLAS MILL	A0.01057Z	2/23/2000	WATER	7439-89-6	Iron	10200				9/11/2000	RW	3051/6020	NA	Yes
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7439-92-1	Lead	10.8				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	NS	SITE ATLAS MILL	A0.01057Z	2/23/2000	WATER	7439-95-4	Magnesium	55200		-		9/11/2000	RW	3051/6020	NA	Yes
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7439-96-5	Manganese	292				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	NS	SITE ATLAS MILL	A0.01057Z	2/23/2000	WATER	7439-97-6	Mercury	0.033	U	-		3/13/2000	RW	7471A	NA	Yes
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-02-0	Nickel	13		В		9/11/2000	RW	3051/6020	NA	Yes
	210	ATLAS MILL	40.04055	2.02.02.0		#440.00.F		10000				0/44/2005	D.III	2054/5025	27.4	
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-09-7	Potassium	12200		<u> </u>		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
r	, , , , , ,									2	O					
		ATLAS MILL									×					
D4	NS	SITE ATLAS MILL	A0.01057Z	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-22-4	Silver	3.02		В		9/11/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-23-5	Sodium	252000				9/12/2000	RW	3051/6020	NA	Yes
D4	NS	ATLAS MILL SITE	A0.01057Z	2/23/2000	WATER	7440-28-0	Thallium	3		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	NS	SITE ATLAS MILL	A0.01057Z	2/23/2000	WATER	7440-62-2	Vanadium	33		В		9/11/2000	RW	3051/6020	NA	Yes
D4	NS	SITE	A0.01057Z	2/23/2000	WATER	7440-66-6	Zinc	43				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7429-90-5	Aluminum	1090				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-36-0	Antimony	3.49		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-38-2	Arsenic	7.65		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-39-3	Barium	51		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-41-7	Beryllium	3.19		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								ь						
D4	Soil Pore	SITE ATLAS MILL	A0.01058A	2/23/2000	WATER	7440-43-9	Cadmium	5.22				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	SITE ATLAS MILL	A0.01058A	2/23/2000	WATER	7440-70-2	Calcium	553000				9/12/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	SITE	A0.01058A	2/23/2000	WATER	7440-47-3	Chromium	6.11		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-48-4	Cobalt	12.7		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-50-8	Copper	22.8		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7439-89-6	Iron	1920				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7439-92-1	Lead	5.85				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7439-95-4	Magnesium	858000				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	Soil Pore	SITE ATLAS MILL	A0.01058A	2/23/2000	WATER	7439-96-5	Manganese	8000				9/12/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	SITE ATLAS MILL	A0.01058A	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
D4	Soil Pore	SITE ATLAS MILL	A0.01058A	2/23/2000	WATER	7440-02-0	Nickel	46.5				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	SITE	A0.01058A	2/23/2000	WATER	7440-09-7	Potassium	129000				9/12/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7782-49-2	Selenium	20.7				9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-22-4	Silver	3.01		В		9/11/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-23-5	Sodium	3060000				9/13/2000	RW	3051/6020	NA	Yes
D4	Soil Pore	ATLAS MILL SITE	A0.01058A	2/23/2000	WATER	7440-28-0	Thallium	4.78		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	•••	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	1 Toject Ivanic.	TVARCEL Sample #.	Date Concercu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Wethou	rexture.	Ai tilacts.
		ATLAS MILL							(	,	Q					
D4	Soil Pore	SITE	A0.01058A	2/23/2000	WATER	7440-62-2	Vanadium	9.14		В		9/11/2000	RW	3051/6020	NA	Yes
D4	G 3.D	ATLAS MILL	40.010504	2/22/2000	WATER	7440.66.6	77.	127				0/11/2000	DIV	2051/6020	27.4	
D4	Soil Pore	SITE ATLAS MILL	A0.01058A	2/23/2000	WATER	7440-66-6	Zinc	127				9/11/2000	RW	3051/6020	NA	Yes
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7429-90-5	Aluminum	12300				9/13/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-36-0	Antimony	2.54		В		9/11/2000	RW	3051/6020	NA	Yes
D4		ATLAS MILL	40.0105677	2/22/2000	WATER	7440 20 2		2.52		В		0/11/2000	DIV	2051/6020	27.4	
D4	1	SITE ATLAS MILL	A0.01056Y	2/23/2000	WATER	7440-38-2	Arsenic	3.53		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7440-39-3	Barium	114		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-41-7	Beryllium	2.93		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-43-9	Cadmium	2.73		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					Cuamium			ь					1471	1 03
D4	1	SITE ATLAS MILL	A0.01056Y	2/23/2000	WATER	7440-70-2	Calcium	102000				9/12/2000	RW	3051/6020	NA	Yes
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7440-47-3	Chromium	9.5		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-48-4	Cobalt	4.19		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL	A0.010361	2/23/2000	WATER	/440-46-4	Cobait	4.19		ь		9/11/2000	KW	3031/6020	NA	i es
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7440-50-8	Copper	9.28		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7439-89-6	Iron	5760				9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7439-92-1	Lead	6.42				9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7439-95-4	Magnesium	49200				9/11/2000	RW	3051/6020	NA	Yes
	•	ATLAS MILL														
D4	1	SITE ATLAS MILL	A0.01056Y	2/23/2000	WATER	7439-96-5	Manganese	143				9/11/2000	RW	3051/6020	NA	Yes
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-02-0	Nickel	8.17		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					TVICKCI			Б			ICW	3031/0020	1471	1 03
D4	1	SITE ATLAS MILL	A0.01056Y	2/23/2000	WATER	7440-09-7	Potassium	10200				9/11/2000	RW	3051/6020	NA	Yes
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-22-4	Silver	2.93		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	1	SITE ATLAS MILL	A0.01056Y	2/23/2000	WATER	7440-23-5	Sodium	235000				9/12/2000	RW	3051/6020	NA	Yes
D4	1	SITE	A0.01056Y	2/23/2000	WATER	7440-28-0	Thallium	2.56		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-62-2	Vanadium	21.2		В		9/11/2000	RW	3051/6020	NA	Yes
D4	1	ATLAS MILL SITE	A0.01056Y	2/23/2000	WATER	7440-66-6	Zinc	25.3				9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7429-90-5	Aluminum	9540				9/13/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								- Б						
D4	5	SITE	A0.01055X	2/23/2000	WATER	7440-36-0	Antimony	2.05		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	re	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 115.	Strata (III)	rroject Name.	TVICEE Sample #.	Date Concettu.	Matrix.	CASTAINDE	rinaryte	Concentration (ug/E)	(		0	Date Maryzeu	Tilalyst	Wethou	reature.	7 tracts.
		ATLAS MILL									Ų					
D4	5	SITE	A0.01055X	2/23/2000	WATER	7440-38-2	Arsenic	3.42		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-39-3	Barium	103		В		9/11/2000	RW	3051/6020	NA	Yes
	5	ATLAS MILL		2/23/2000	WATER			2.54		В		9/11/2000		3051/6020		
D4		SITE ATLAS MILL	A0.01055X			7440-41-7	Beryllium						RW		NA	Yes
D4	5	SITE ATLAS MILL	A0.01055X	2/23/2000	WATER	7440-43-9	Cadmium	2.59		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	SITE	A0.01055X	2/23/2000	WATER	7440-70-2	Calcium	90300				9/13/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-47-3	Chromium	7.07		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-48-4	Cobalt	4.67		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-50-8		9.6		В		9/11/2000	RW	3051/6020	NA	Yes
D4	3	ATLAS MILL	A0.01055X	2/23/2000	WATER	7440-30-8	Copper	9.0		Б			KW	3031/0020	NA	i es
D4	5	SITE ATLAS MILL	A0.01055X	2/23/2000	WATER	7439-89-6	Iron	5310				9/11/2000	RW	3051/6020	NA	Yes
D4	5	SITE	A0.01055X	2/23/2000	WATER	7439-92-1	Lead	6.37				9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7439-95-4	Magnesium	34600				9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7439-96-5	Manganese	79.6				9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
D4		ATLAS MILL					Wiercury		U						NA	1 es
D4	5	SITE ATLAS MILL	A0.01055X	2/23/2000	WATER	7440-02-0	Nickel	8.69		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	SITE	A0.01055X	2/23/2000	WATER	7440-09-7	Potassium	6200				9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-22-4	Silver	2.49		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-23-5	Sodium	142000				9/13/2000	RW	3051/6020	NA	Yes
		ATLAS MILL	A0.01055X				Soutum						IX VV	3031/0020	NA	1 es
D4	5	SITE ATLAS MILL	A0.01055X	2/23/2000	WATER	7440-28-0	Thallium	2.33		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	SITE	A0.01055X	2/23/2000	WATER	7440-62-2	Vanadium	15.4		В		9/11/2000	RW	3051/6020	NA	Yes
D4	5	ATLAS MILL SITE	A0.01055X	2/23/2000	WATER	7440-66-6	Zinc	23.3				9/11/2000	RW	3051/6020	NA	Yes
D4	10	ATLAS MILL SITE	A0.01054W	2/23/2000	WATER	7429-90-5	Aluminum	12400				9/13/2000	RW	3051/6020	NA	Yes
D4	10	ATLAS MILL SITE	A0.01054W	2/23/2000	WATER	7440-36-0	Antimony	2.41		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7440-38-2	Arsenic	3.07		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7440-39-3	Barium	116		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-41-7	Beryllium	2.63		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	ATLAS MILL SITE	A0.01054W	2/23/2000	WATER	7440-43-9	Cadmium	2.57		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

									1							
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										٦.	Q					
		ATLAS MILL							Ì		`					
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-70-2	Calcium	92500				9/12/2000	RW	3051/6020	NA	Yes
D.4	10	ATLAS MILL	400105477	2/22/2000	WATER	7440 47 3	GI :	0.12		ъ.		0/11/2000	DIV	2051/6020	37.4	37
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7440-47-3	Chromium	9.13		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-48-4	Cobalt	4.81		В		9/11/2000	RW	3051/6020	NA	Yes
D.4	10	ATLAS MILL	4.0.01054W	2/22/2000	WATER	7440.50.0		10.0		Б		0/11/2000	DIV	2051/6020	27.4	
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7440-50-8	Copper	10.8		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7439-89-6	Iron	7160				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		- / /												
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7439-92-1	Lead	7.19				9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7439-95-4	Magnesium	36600				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL		- / /												
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7439-96-5	Manganese	96.8				9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
	4.0	ATLAS MILL		2/22/2000	W. A. WED	5440.05.0	27.1.1	0.50				0/44/2000	D.W.	2054/5020	27.1	**
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7440-02-0	Nickel	8.59		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-09-7	Potassium	6450				9/11/2000	RW	3051/6020	NA	Yes
	4.0	ATLAS MILL		2/22/2000	W. A. WED	##02 40 A	a	0.856				0/44/2000	D.W.	2054/5020	27.1	**
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-22-4	Silver	2.58		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	ATLAS MILL	A O O 1 O 5 4 W	2/22/2000	WATED	7440 22 5	C - 45	145000				0/12/2000	DW	2051/6020	NIA	V
D4	10	SITE ATLAS MILL	A0.01054W	2/23/2000	WATER	7440-23-5	Sodium	145000				9/12/2000	RW	3051/6020	NA	Yes
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-28-0	Thallium	2.6		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	ATLAS MILL SITE	A0.01054W	2/23/2000	WATER	7440-62-2	Vanadium	21.1		В		9/11/2000	RW	3051/6020	NA	Yes
D4	10	ATLAS MILL	A0.01034W	2/23/2000	WATER	/440-62-2	vanauium	21.1		ь		9/11/2000	KW	3031/6020	NA	i es
D4	10	SITE	A0.01054W	2/23/2000	WATER	7440-66-6	Zinc	28.2				9/11/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7429-90-5	Aluminum	12400				9/20/2000	RW	3051/6020	NA	Yes
D0	IND	ATLAS MILL	A0.010/3B	2/23/2000	WATER	7429-90-3	Alummum	12400				9/20/2000	KW	3031/0020	NA	Tes
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-36-0	Antimony	0.5		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-38-2	Arsenic	4.16		В		9/15/2000	RW	3051/6020	NA	Yes
100	CNI	ATLAS MILL	A0.010/3B	2/23/2000	WAILK	/440-36-2	Aiscilic	4.10		ь		7/13/2000	IX VV	3031/0020	INA	1 05
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-39-3	Barium	118		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-41-7	Beryllium	0.76		В		9/15/2000	RW	3051/6020	NA	Yes
100	140	ATLAS MILL	A0.010/3B	212312000	WAILK	/ 170-41-/	Derymum	0.70		- 13		7/13/2000	IX VV	3031/0020	IVA	1 05
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-43-9	Cadmium	0.52		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-70-2	Calcium	120000				9/19/2000	RW	3051/6020	NA	Yes
100	140	ATLAS MILL	A0.010/3B	212312000	WAILK	/ 170- / 0-2	Carciuiii	120000				7/17/2000	IX VV	3031/0020	IVA	1 05
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-47-3	Chromium	8.46	ļ	В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-48-4	Cobalt	3.11		В		9/15/2000	RW	3051/6020	NA	Yes
20	. 110	ATLAS MILL	110.010/30	2,23,2000	WILLIAM	/	Coban	5.11				7/15/2000	17.44	5051/0020	11/1	1 03
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-50-8	Copper	8.5		В		9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	)ualifie	re	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	rroject rame.	WICEE Sample #.	Date Concercu.	Matrix.	CASTAINDE	Maryte	Concentration (ug/E)		C	0	Date Maryzeu	Tilalyst	Wethou	reature.	m maces.
		ATLAS MILL							,		Q					
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7439-89-6	Iron	6960				9/15/2000	RW	3051/6020	NA	Yes
D.C	NG	ATLAS MILL	40.01075D	2/22/2000	WATER	7420.02.1		5.25				0/15/2000	DIV	2051/6020	37.4	
D6	NS	SITE ATLAS MILL	A0.01075B	2/23/2000	WATER	7439-92-1	Lead	5.25				9/15/2000	RW	3051/6020	NA	Yes
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7439-95-4	Magnesium	81300				9/19/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7439-96-5	Manganese	410				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	NS	SITE ATLAS MILL	A0.01075B	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-02-0	Nickel	8.13		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-09-7	Potassium	18500				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	NS	SITE ATLAS MILL	A0.01075B	2/23/2000	WATER	7782-49-2	Selenium	7.39				9/15/2000	RW	3051/6020	NA	Yes
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-22-4	Silver	0.15		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-23-5	Sodium	317000				9/19/2000	RW	3051/6020	NA	Yes
D0	145	ATLAS MILL	A0:01073B	2/23/2000	WAILK	7440-23-3	Socium	317000				2/12/2000	ΚW	3031/0020	IVA	1 03
D6	NS	SITE	A0.01075B	2/23/2000	WATER	7440-28-0	Thallium	0.1		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-62-2	Vanadium	21.2		В		9/15/2000	RW	3051/6020	NA	Yes
D6	NS	ATLAS MILL SITE	A0.01075B	2/23/2000	WATER	7440-66-6	Zinc	32				9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7429-90-5	Aluminum	760				9/20/2000	RW	3051/6020	NA	Yes
	Son Fore	ATLAS MILL	A0.01070C	2/23/2000	WATER	7429-90-3	Atummum	700				9/20/2000	IX VV	3031/0020	IVA	1 es
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-36-0	Antimony	0.46		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-38-2	Arsenic	4.08		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-39-3	Barium	42.2		В		9/15/2000	RW	3051/6020	NA	Yes
D0	30111010	ATLAS MILL	A0.01070C	2/23/2000	WAILK	7440-37-3	Darium	42.2		В		3/13/2000	ICVV	3031/0020	IVA	1 03
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-41-7	Beryllium	0.047	U			9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-43-9	Cadmium	1.08		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	Soil Pore	SITE ATLAS MILL	A0.01076C	2/23/2000	WATER	7440-70-2	Calcium	526000		-		9/20/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-47-3	Chromium	3.05		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-48-4	Cobalt	14		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-50-8	Copper	19.1		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	Soil Pore	SITE ATLAS MILL	A0.01076C	2/23/2000	WATER	7439-89-6	Iron	1260		-		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7439-92-1	Lead	1.32		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7439-95-4	Magnesium	938000				9/20/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7439-96-5	Manganese	5970				9/20/2000	RW	3051/6020	NA	Yes
100	3011 Fore	SHE	A0.010/0C	4/43/4000	WAIEK	/439-90-3	ivianganese	3970			<u> </u>	9/20/2000	IV.W	3031/0020	INA	I es

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									,	٦.	Q					
		ATLAS MILL							,		Q					
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
		ATLAS MILL														
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-02-0	Nickel	22.5		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-09-7	Potassium	185000				9/20/2000	RW	3051/6020	NA	Yes
100	Son role	ATLAS MILL	A0.01070C	2/23/2000	WATEK	/440-09-7	Fotassium	183000				9/20/2000	KW	3031/0020	NA	1 65
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7782-49-2	Selenium	10.9				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								_						
D6	Soil Pore	SITE ATLAS MILL	A0.01076C	2/23/2000	WATER	7440-22-4	Silver	0.23		В		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-23-5	Sodium	3330000				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-28-0	Thallium	0.055	U	<u> </u>		9/15/2000	RW	3051/6020	NA	Yes
D6	Soil Pore	ATLAS MILL SITE	A0.01076C	2/23/2000	WATER	7440-62-2	Vanadium	6.84		В		9/15/2000	RW	3051/6020	NA	Yes
В0	Bon i ore	ATLAS MILL	710.010700	2/23/2000	WITTER	7440 02 2	v unuurum	0.04				3/13/2000	TC VV	3031/0020	1421	103
D6	Soil Pore	SITE	A0.01076C	2/23/2000	WATER	7440-66-6	Zinc	135				9/15/2000	RW	3051/6020	NA	Yes
D.C	,	ATLAS MILL	40.010744	2/22/2000	WATED	7420.00.5	A 1	19000				0/10/2000	DW	2051/6020	NIA	V
D6	1	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7429-90-5	Aluminum	18900				9/19/2000	RW	3051/6020	NA	Yes
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-36-0	Antimony	0.16		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	1	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7440-38-2	Arsenic	3.97		В		9/15/2000	RW	3051/6020	NA	Yes
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-39-3	Barium	129		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						77.07.000				
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-41-7	Beryllium	0.51		В		9/15/2000	RW	3051/6020	NA	Yes
D6	1	ATLAS MILL SITE	A0.01074A	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U			9/15/2000	RW	3051/6020	NA	Yes
Б0	1	ATLAS MILL	A0.010/4A	2/23/2000	WAILK	7440-43-7	Cadilliulii	0.037	-			2/13/2000	IC VV	3031/0020	IVA	1 03
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-70-2	Calcium	110000				9/19/2000	RW	3051/6020	NA	Yes
D.C		ATLAS MILL	40.010744	2/22/2000	WATED	7440 47 2	Characterist	10.2				0/15/2000	DW	2051/6020	NIA	V
D6	ı	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7440-47-3	Chromium	10.2				9/15/2000	RW	3051/6020	NA	Yes
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-48-4	Cobalt	2.28		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	1	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7440-50-8	Copper	7.57		В		9/15/2000	RW	3051/6020	NA	Yes
D6	1	SITE	A0.01074A	2/23/2000	WATER	7439-89-6	Iron	7940				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	1	SITE	A0.01074A	2/23/2000	WATER	7439-92-1	Lead	5.43		<u> </u>		9/15/2000	RW	3051/6020	NA	Yes
D6	1	ATLAS MILL SITE	A0.01074A	2/23/2000	WATER	7439-95-4	Magnesium	62600				9/19/2000	RW	3051/6020	NA	Yes
		ATLAS MILL	110.010/711	2/23/2000	WILLIA	1737 73 7	iugiicoiulii	02000				2/12/2000	1011	3031/0020	11/1	103
D6	1	SITE	A0.01074A	2/23/2000	WATER	7439-96-5	Manganese	291				9/15/2000	RW	3051/6020	NA	Yes
D6	1	ATLAS MILL	40.010744	2/22/2000	WATED	7420 07 6	Монолии	0.033	U			2/14/2000	DW	7471 4	NI A	Vaa
D6	1	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7439-97-6	Mercury	0.055	U			3/14/2000	RW	7471A	NA	Yes
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-02-0	Nickel	6.91		В		9/15/2000	RW	3051/6020	NA	Yes
D.(		ATLAS MILL	10.010511	2/22/2000	W. CEED	= 110 00 F		1.5500				0/4.5/2005	D.W.	2054/5025	27.4	
D6	1	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7440-09-7	Potassium	16500				9/15/2000	RW	3051/6020	NA	Yes
D6	1	SITE	A0.01074A	2/23/2000	WATER	7782-49-2	Selenium	8.67				9/15/2000	RW	3051/6020	NA	Yes
	-									•						

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie	me.	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	Troject Name.	NAKEL Sample #.	Date Concercu.	wati ix.	CAS Number	Analyte	Concentration (ug/E)		C	Q	Date Analyzeu	Analyst	Withou	rexture.	Ai tilacis.
		ATLAS MILL								_	Q					
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-22-4	Silver	0.04		В		9/15/2000	RW	3051/6020	NA	Yes
D6	1	ATLAS MILL SITE	A0.01074A	2/23/2000	WATER	7440-23-5	Sodium	280000				9/19/2000	RW	3051/6020	NA	Yes
- 100	1	ATLAS MILL	A0.010/4A	2/23/2000	WATER	7440-23-3	Socium	280000				9/19/2000	IX VV	3031/0020	INA	1 es
D6	1	SITE	A0.01074A	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D6	1	ATLAS MILL SITE	A0.01074A	2/23/2000	WATER	7440-62-2	Vanadium	27.3		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	1	SITE ATLAS MILL	A0.01074A	2/23/2000	WATER	7440-66-6	Zinc	30.1				9/15/2000	RW	3051/6020	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7429-90-5	Aluminum	10200				9/19/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-36-0	Antimony	1.27		В		9/15/2000	RW	3051/6020	NA	Yes
	3	ATLAS MILL	A0.010/3Z	2/23/2000	WATER	/440-30-0	Antimony	1.27		ь		9/13/2000	IX VV	3031/0020	INA	1 es
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7440-38-2	Arsenic	7.73		В		9/15/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-39-3	Barium	110		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	5	SITE ATLAS MILL	A0.01073Z	2/23/2000	WATER	7440-41-7	Beryllium	0.26		В		9/15/2000	RW	3051/6020	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7440-43-9	Cadmium	2.33		В		9/15/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-70-2	Calcium	591000				9/19/2000	RW	3051/6020	NA	Yes
- 100	3	ATLAS MILL	A0.010/3Z	2/23/2000	WATER	/440-/0-2	Calcium	391000				9/19/2000	IX VV	3031/0020	INA	1 es
D6	5	SITE ATLAS MILL	A0.01073Z	2/23/2000	WATER	7440-47-3	Chromium	12.6				9/15/2000	RW	3051/6020	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7440-48-4	Cobalt	9.57		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	5	SITE ATLAS MILL	A0.01073Z	2/23/2000	WATER	7440-50-8	Copper	29				9/15/2000	RW	3051/6020	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7439-89-6	Iron	5190				9/15/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7439-92-1	Lead	5.72				9/15/2000	RW	3051/6020	NA	Yes
Do	3	ATLAS MILL					Lead							3031/0020	IVA	103
D6	5	SITE ATLAS MILL	A0.01073Z	2/23/2000	WATER	7439-95-4	Magnesium	1350000				9/19/2000	RW	3051/6020	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7439-96-5	Manganese	8100				9/19/2000	RW	3051/6020	NA	Yes
D.C	-	ATLAS MILL	10.010727	2/22/2000	WATER	7430.07.6		0.022				2/14/2000	DIV	7471 4	274	V
D6	5	SITE ATLAS MILL	A0.01073Z	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7440-02-0	Nickel	29.1		В		9/15/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-09-7	Potassium	496000				9/19/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D6	5	SITE ATLAS MILL	A0.01073Z	2/23/2000	WATER	7782-49-2	Selenium	16.9				9/15/2000	RW	3051/6020	NA	Yes
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7440-22-4	Silver	0.66		В		9/15/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-23-5	Sodium	6320000				9/19/2000	RW	3051/6020	NA	Yes
Do	3	ATLAS MILL	A0.010/3Z	2/23/2000	WAIEK	/440-23-3	Souluiii	0320000				9/19/2000	IV. W	3031/0020	INA	I CS
D6	5	SITE	A0.01073Z	2/23/2000	WATER	7440-28-0	Thallium	0.3		В		9/15/2000	RW	3051/6020	NA	Yes
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-62-2	Vanadium	18.8		В		9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	Streets (m)	D : 4 N	NADEL Complette	Date Collected:	Madalan	CAS Number	A 14 .	Community (mg/L)				Data Amalamad	414	Method	T	Artifacts:
Sample ID:	Strata (III)	Froject Name:	NAREL Sample #:	Date Collecteu:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	V	ualifie		Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	2	Q					
D6	5	ATLAS MILL SITE	A0.01073Z	2/23/2000	WATER	7440-66-6	Zinc	138				9/15/2000	RW	3051/6020	NA	Yes
- 100	3	ATLAS MILL	A0.010/3Z	2/23/2000	WATER	7440-00-0	Zinc	136				9/13/2000	KW	3031/0020	INA	1 es
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7429-90-5	Aluminum	33200				9/19/2000	RW	3051/6020	NA	Yes
D6	10	ATLAS MILL	A0.01072Y	2/23/2000	WATER	7440-36-0	Amtimomy	0.59		В		9/15/2000	RW	3051/6020	NA	Yes
D0	10	SITE ATLAS MILL	A0.010721	2/23/2000	WAIEK	/440-36-0	Antimony	0.39		ь		9/13/2000	ΚW	3031/6020	INA	i es
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-38-2	Arsenic	6.21		В		9/15/2000	RW	3051/6020	NA	Yes
D6	10	ATLAS MILL SITE	A0.01072Y	2/23/2000	WATER	7440-39-3	Barium	216				9/15/2000	RW	3051/6020	NA	Yes
Do	10	ATLAS MILL	A0.010721	2/23/2000	WAIEK	/440-39-3	Darium	210				9/13/2000	KW	3031/6020	INA	i es
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-41-7	Beryllium	1.41		В		9/15/2000	RW	3051/6020	NA	Yes
D(	10	ATLAS MILL	A 0 0107237	2/22/2000	WATER	7440 42 0	C. Indiana	0.63		В		0/15/2000	DW	2051/6020	NIA	V
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WAIEK	7440-43-9	Cadmium	0.03		ь		9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-70-2	Calcium	122000				9/19/2000	RW	3051/6020	NA	Yes
D(	10	ATLAS MILL	A 0 010723V	2/22/2000	WATED	7440 47 2	Characteristic Charac	22.1				0/15/2000	DW	2051/6020	NIA	V
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7440-47-3	Chromium	22.1				9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-48-4	Cobalt	7		В		9/15/2000	RW	3051/6020	NA	Yes
D(	10	ATLAS MILL	A 0 010723V	2/22/2000	WATED	7440.50.0	C	10.0		В		0/15/2000	DW	2051/6020	NIA	V
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7440-50-8	Copper	18.8		В		9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7439-89-6	Iron	20700				9/15/2000	RW	3051/6020	NA	Yes
D.C	10	ATLAS MILL	40.0107077	2/22/2000	WATER	7.120.02.1	т 1	16.7				0/15/2000	DIV	2051/6020	27.4	
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7439-92-1	Lead	15.7				9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7439-95-4	Magnesium	46400				9/15/2000	RW	3051/6020	NA	Yes
D.C	10	ATLAS MILL	40.0107077	2/22/2000	WATER	7420.06.5		42.4				0/15/2000	DIV	2051/6020	27.4	
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7439-96-5	Manganese	434				9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7439-97-6	Mercury	0.265				3/14/2000	RW	7471A	NA	Yes
D.C	10	ATLAS MILL	40.0107077	2/22/2000	WATER	7440.02.0	Nr. 1. 1	16.6		Б		0/15/2000	DIV	2051/6020	27.4	
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7440-02-0	Nickel	16.6		В		9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-09-7	Potassium	11800				9/15/2000	RW	3051/6020	NA	Yes
D.C	10	ATLAS MILL	40.0107077	2/22/2000	WATER	7702 40 2	G 1 ·	4.75				0/15/2000	DIV	2051/6020	27.4	**
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7782-49-2	Selenium	4.75		В		9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-22-4	Silver	0.17		В		9/15/2000	RW	3051/6020	NA	Yes
D.	10	ATLAS MILL	40.0107037	2/22/2000	WATER	7440.22.5	G 1:	171000				0/10/2006	DW	2051/6026	274	
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7440-23-5	Sodium	171000	-	1		9/19/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-28-0	Thallium	0.36		В		9/15/2000	RW	3051/6020	NA	Yes
D.C	10	ATLAS MILL	40.0107037	2/22/2000	WATER	7440.62.2	37 1	50.5				0/15/2006	DW	2051/6026	274	
D6	10	SITE ATLAS MILL	A0.01072Y	2/23/2000	WATER	7440-62-2	Vanadium	58.5	-	1		9/15/2000	RW	3051/6020	NA	Yes
D6	10	SITE	A0.01072Y	2/23/2000	WATER	7440-66-6	Zinc	74.4				9/15/2000	RW	3051/6020	NA	Yes
The state of the s	NG	ATLAS MILL	4.0.01070W	2/22/2000	WATER	7420.00.5		17200				0/12/2006	DW	2051/6026	274	
D8	NS	SITE ATLAS MILL	A0.01070W	2/23/2000	WATER	7429-90-5	Aluminum	17300				9/13/2000	RW	3051/6020	NA	Yes
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-36-0	Antimony	2.34		В	<u> </u>	9/11/2000	RW	3051/6020	NA	Yes
The state of the s	NG	ATLAS MILL	4.0.01070W	2/22/2000	WATER	7440.20.5		4.50		Б		0/11/2006	DW	2051/6026	274	
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-38-2	Arsenic	4.59		В		9/11/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									,	7	Q					
		ATLAS MILL									Q					
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-39-3	Barium	120		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-41-7	Beryllium	2.83		В		9/11/2000	RW	3051/6020	NA	Yes
D8	NS	ATLAS MILL SITE	A0.01070W	2/23/2000	WATER	7440-43-9	Cadmium	0.85		В		9/12/2000	RW	3051/6020	NA	Yes
Do	145	ATLAS MILL	A0.01070W	2/23/2000	WAILK	/440-43-/	Cadillium	0.65		ь		<i>)/12/2000</i>	ΚW	3031/0020	IVA	1 03
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-70-2	Calcium	118000				9/12/2000	RW	3051/6020	NA	Yes
Do.	NG	ATLAS MILL	4 0 01070W	2/22/2000	WATER	7440 47 3	GI :	11.5				0/11/2000	DIV	2051/6020	37.4	37
D8	NS	SITE ATLAS MILL	A0.01070W	2/23/2000	WATER	7440-47-3	Chromium	11.5				9/11/2000	RW	3051/6020	NA	Yes
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-48-4	Cobalt	4.77		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-50-8	Copper	9.99		В		9/11/2000	RW	3051/6020	NA	Yes
D8	NS	ATLAS MILL SITE	A0.01070W	2/23/2000	WATER	7439-89-6	Iron	7760				9/11/2000	RW	3051/6020	NA	Yes
Bo	140	ATLAS MILL	710.0107011	2/23/2000	WITTER	7437 07 0	non	7700				3/11/2000	ICW	3031/0020	1471	1 03
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7439-92-1	Lead	7.69				9/11/2000	RW	3051/6020	NA	Yes
D8	NS	ATLAS MILL SITE	A0.01070W	2/23/2000	WATER	7439-95-4	M	59200				9/11/2000	RW	3051/6020	NA	
Do	NS	ATLAS MILL	A0.010/0W	2/23/2000	WAIEK	/439-93-4	Magnesium	39200				9/11/2000	KW	3031/6020	NA	Yes
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7439-96-5	Manganese	224				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	NS	SITE ATLAS MILL	A0.01070W	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-02-0	Nickel	9.39		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-09-7	Potassium	13200				9/11/2000	RW	3051/6020	NA	Yes
D8	NS	ATLAS MILL SITE	A0.01070W	2/23/2000	WATER	7782-49-2	Selenium	1.48		В		9/11/2000	RW	3051/6020	NA	Yes
50	110	ATLAS MILL	110.0107011	2/23/2000	***************************************	7702 172	Seleman	1.10				7/11/2000	2011	3031,0020	1,1.1	100
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-22-4	Silver	0.72		В		9/12/2000	RW	3051/6020	NA	Yes
D8	NS	ATLAS MILL SITE	A0.01070W	2/23/2000	WATER	7440-23-5	Sodium	268000				9/13/2000	RW	3051/6020	NA	Yes
D6	No	ATLAS MILL	A0.01070W	2/23/2000	WATEK	7440-23-3	Soulum	208000				9/13/2000	KW	3031/0020	NA	1 65
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-28-0	Thallium	2.8		В		9/11/2000	RW	3051/6020	NA	Yes
D.0	210	ATLAS MILL		a /a a /a o o o		#440 ca a		20.2		_		0/44/2000	D.V.	2054/5020	37.	**
D8	NS	SITE ATLAS MILL	A0.01070W	2/23/2000	WATER	7440-62-2	Vanadium	28.2		В		9/11/2000	RW	3051/6020	NA	Yes
D8	NS	SITE	A0.01070W	2/23/2000	WATER	7440-66-6	Zinc	30.1				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	Soil Pore	SITE ATLAS MILL	A0.01071X	2/23/2000	WATER	7429-90-5	Aluminum	340		<u> </u>		9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-36-0	Antimony	2.35		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL													-	
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-38-2	Arsenic	1.29		В		9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7440-39-3	Barium	76.5		В		9/11/2000	RW	3051/6020	NA	Yes
Do	5011 1 016	ATLAS MILL	A0.010/1A	2/23/2000	WALLK	1770-37-3	Darium	70.5		- 5		<i>)</i> /11/2000	17. 44	3031/0020	11/1	103
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-41-7	Beryllium	2.31		В		9/11/2000	RW	3051/6020	NA	Yes
D8	Cail Dag-	ATLAS MILL	40.01071V	2/22/2000	WATED	7440-43-9	Codmins	1.1		В		9/12/2000	DW	2051/6020	NI A	Vas
אַע	Soil Pore	SITE ATLAS MILL	A0.01071X	2/23/2000	WATER	/440-43-9	Cadmium	1.1		D		9/12/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-70-2	Calcium	114000				9/12/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																1
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	3	Q					1
		ATLAS MILL									_					
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-47-3	Chromium	2.57		В		9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7440-48-4	Cobalt	4.36		В		9/11/2000	RW	3051/6020	NA	Yes
D0	30111010	ATLAS MILL	A0.010/1X	2/23/2000	WAILK	7440-48-4	Coban	4.50		В		<i>)</i> /11/2000	KW	3031/0020	IVA	1 03
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-50-8	Copper	5.84		В		9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7439-89-6	Iron	712				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7439-92-1	Lead	3.76				9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7439-95-4	Magnesium	49900				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														ı e
D8	Soil Pore	SITE ATLAS MILL	A0.01071X	2/23/2000	WATER	7439-96-5	Manganese	633				9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
D0	C 11D	ATLAS MILL	40.0107137	2/22/2000	WATER	7440.02.0	Nr. 1. 1	5.12		Б		0/11/2000	DIV	2051/6020	27.4	77
D8	Soil Pore	SITE ATLAS MILL	A0.01071X	2/23/2000	WATER	7440-02-0	Nickel	5.13		В		9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-09-7	Potassium	10200				9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7782-49-2	Selenium	8.96				9/12/2000	RW	3051/6020	NA	Yes
108	Son Pole	ATLAS MILL	A0.010/1A	2/23/2000	WATER	1182-49-2	Selemum	8.90				9/12/2000	K.W	3031/6020	NA	ies
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-22-4	Silver	0.82		В		9/12/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7440-23-5	Sodium	237000				9/13/2000	RW	3051/6020	NA	Yes
20	5011 1 010	ATLAS MILL	110.0107111	2/23/2000	WILLER	7110 23 0	Sourani	237000				3/13/2000	2017	303170020	1,11	100
D8	Soil Pore	SITE	A0.01071X	2/23/2000	WATER	7440-28-0	Thallium	2.42		В		9/11/2000	RW	3051/6020	NA	Yes
D8	Soil Pore	ATLAS MILL SITE	A0.01071X	2/23/2000	WATER	7440-62-2	Vanadium	3.9		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	Soil Pore	SITE ATLAS MILL	A0.01071X	2/23/2000	WATER	7440-66-6	Zinc	13.2		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7429-90-5	Aluminum	18900				9/13/2000	RW	3051/6020	NA	Yes
D.O.		ATLAS MILL	40.010.0D	2/22/2000	WATER	7440.26.0		2.20		В		0/11/2000	DIV	2051/6020	27.4	37
D8	1	SITE ATLAS MILL	A0.01069D	2/23/2000	WATER	7440-36-0	Antimony	2.28		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7440-38-2	Arsenic	4.14		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7440-39-3	Barium	110		В		9/11/2000	RW	3051/6020	NA	Yes
	-	ATLAS MILL					Dariani								11/1	103
D8	1	SITE	A0.01069D	2/23/2000	WATER	7440-41-7	Beryllium	2.82		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7440-43-9	Cadmium	0.82		В		9/12/2000	RW	3051/6020	NA	Yes
	_	ATLAS MILL														
D8	1	SITE ATLAS MILL	A0.01069D	2/23/2000	WATER	7440-70-2	Calcium	125000				9/12/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7440-47-3	Chromium	10.1				9/11/2000	RW	3051/6020	NA	Yes
De	1	ATLAS MILL	A0.01060D	2/22/2000	WATED	7440 48 4	Cahalt	4.00		D		0/11/2000	DW	2051/6020	N/A	Vas
D8	1	SITE ATLAS MILL	A0.01069D	2/23/2000	WATER	7440-48-4	Cobalt	4.99		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7440-50-8	Copper	10.6		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7439-89-6	Iron	8080				9/11/2000	RW	3051/6020	NA	Yes
D0	1	SHE	A0.01009D	414314000	WAIER	/437-89-0	11011	0000		l		7/11/2000	IV.W	3031/0020	INA	1 62

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
•		•	•				·	( 2 /		С	0	ř	•			
		ATLAS MILL														
D8	1	SITE ATLAS MILL	A0.01069D	2/23/2000	WATER	7439-92-1	Lead	11.5				9/11/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7439-95-4	Magnesium	54700				9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7439-96-5	Manganese	227				9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
	•	ATLAS MILL														
D8	1	SITE ATLAS MILL	A0.01069D	2/23/2000	WATER	7440-02-0	Nickel	8.94		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7440-09-7	Potassium	12100				9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7782-49-2	Selenium	0.756	U			9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7440-22-4	Silver	0.73		В		9/12/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7440-23-5	Sodium	329000				9/13/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	1	SITE ATLAS MILL	A0.01069D	2/23/2000	WATER	7440-28-0	Thallium	2.55	-	В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	SITE	A0.01069D	2/23/2000	WATER	7440-62-2	Vanadium	25.8		В		9/11/2000	RW	3051/6020	NA	Yes
D8	1	ATLAS MILL SITE	A0.01069D	2/23/2000	WATER	7440-66-6	Zinc	30.6				9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7429-90-5	Aluminum	25200				9/13/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-36-0	Antimony	2.29		В		9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-38-2	Arsenic	3.36		В		9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-39-3	Barium	145		В		9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-41-7	Beryllium	3.01		В		9/11/2000	RW	3051/6020	NA	
D8	3	ATLAS MILL	A0.01008C	2/23/2000			Berymum						KW	3031/0020	NA	Yes
D8	5	SITE ATLAS MILL	A0.01068C	2/23/2000	WATER	7440-43-9	Cadmium	1.57		В		9/12/2000	RW	3051/6020	NA	Yes
D8	5	SITE	A0.01068C	2/23/2000	WATER	7440-70-2	Calcium	105000				9/12/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-47-3	Chromium	15.7	L			9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-48-4	Cobalt	5.55		В		9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-50-8	Copper	11.8		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								2						
D8	5	SITE ATLAS MILL	A0.01068C	2/23/2000	WATER	7439-89-6	Iron	11000				9/11/2000	RW	3051/6020	NA	Yes
D8	5	SITE ATLAS MILL	A0.01068C	2/23/2000	WATER	7439-92-1	Lead	9.48				9/11/2000	RW	3051/6020	NA	Yes
D8	5	SITE	A0.01068C	2/23/2000	WATER	7439-95-4	Magnesium	35200				9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7439-96-5	Manganese	109				9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									(	٦.	Q					
		ATLAS MILL							,		Q					
D8	5	SITE	A0.01068C	2/23/2000	WATER	7440-02-0	Nickel	10.9		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	5	SITE	A0.01068C	2/23/2000	WATER	7440-09-7	Potassium	8560				9/11/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7782-49-2	Selenium	5.03				9/12/2000	RW	3051/6020	NA	Yes
Bo		ATLAS MILL	710.010000	2/23/2000	WITTER	1102 47 2	Scientani	5.05				J/12/2000	ICW	3031/0020	1471	1 63
D8	5	SITE	A0.01068C	2/23/2000	WATER	7440-22-4	Silver	1.09		В		9/12/2000	RW	3051/6020	NA	Yes
D8	5	ATLAS MILL SITE	A0.01068C	2/23/2000	WATER	7440-23-5	Sodium	139000				9/13/2000	RW	3051/6020	NA	Yes
Do		ATLAS MILL	A0.01068C	2/23/2000	WAIEK	/440-23-3	Sodium	139000				9/13/2000	KW	3031/6020	NA	i es
D8	5	SITE	A0.01068C	2/23/2000	WATER	7440-28-0	Thallium	2.67		В		9/11/2000	RW	3051/6020	NA	Yes
	_	ATLAS MILL														
D8	5	SITE ATLAS MILL	A0.01068C	2/23/2000	WATER	7440-62-2	Vanadium	37.5		В		9/11/2000	RW	3051/6020	NA	Yes
D8	5	SITE	A0.01068C	2/23/2000	WATER	7440-66-6	Zinc	37.3				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	10	SITE	A0.01067B	2/23/2000	WATER	7429-90-5	Aluminum	24900				9/13/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7440-36-0	Antimony	2.45		В		9/11/2000	RW	3051/6020	NA	Yes
Bo	10	ATLAS MILL	710.01007B	2/23/2000	WITTER	7440 30 0	7 themony	2.43		-		3/11/2000	ICVV	3031/0020	1421	1 03
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-38-2	Arsenic	3.47		В		9/11/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7440-39-3	Danisas	139		В		9/11/2000	RW	3051/6020	NIA	V
D8	10	ATLAS MILL	A0.0106/B	2/23/2000	WATER	/440-39-3	Barium	139		В		9/11/2000	RW	3031/6020	NA	Yes
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-41-7	Beryllium	2.95		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	10	SITE ATLAS MILL	A0.01067B	2/23/2000	WATER	7440-43-9	Cadmium	0.86		В		9/12/2000	RW	3051/6020	NA	Yes
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-70-2	Calcium	100000				9/12/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-47-3	Chromium	15.7				9/11/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7440-48-4	Cobalt	5.78		В		9/11/2000	RW	3051/6020	NA	Yes
50		ATLAS MILL	110.01007B	2/23/2000	***************************************	7110 10 1	Coount	2.70				7/11/2000	2011	3031,0020	1,1.1	105
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-50-8	Copper	12.6		В		9/11/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7439-89-6	Iron	11000				9/11/2000	RW	3051/6020	NA	Yes
Do	10	ATLAS MILL	A0.0100/B	2/23/2000	WAILK	1437-07-0	11011	11000		-		9/11/2000	IX VV	3031/0020	INA	1 05
D8	10	SITE	A0.01067B	2/23/2000	WATER	7439-92-1	Lead	9.53				9/11/2000	RW	3051/6020	NA	Yes
The C	10	ATLAS MILL	10.010.000	0/00/2000	W. Ameri	7420.07.1		20000				0/11/2000	DIV	2051/5020	27.	
D8	10	SITE ATLAS MILL	A0.01067B	2/23/2000	WATER	7439-95-4	Magnesium	38200		-		9/11/2000	RW	3051/6020	NA	Yes
D8	10	SITE	A0.01067B	2/23/2000	WATER	7439-96-5	Manganese	113				9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D8	10	SITE	A0.01067B	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/13/2000	RW	7471A	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7440-02-0	Nickel	10.8		В		9/11/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								<u> </u>						
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-09-7	Potassium	8310				9/11/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7782-49-2	Selenium	5.25				9/12/2000	RW	3051/6020	NA	Yes
100	10	ATLAS MILL	A0.0100/B	2/23/2000	WALLK	1102-47-2	Scientiali	3.43				J/12/2000	17. 44	3031/0020	11/1	1 03
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-22-4	Silver	0.76		В		9/12/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

									1							
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										3	Q					i l
		ATLAS MILL									Ì					
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-23-5	Sodium	136000				9/13/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7440-28-0	Thallium	2.73		В		9/11/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL	A0.0100/B	2/23/2000	WATEK	7440-28-0	Thamum	2.73		ь		9/11/2000	KW	3031/0020	INA	1 es
D8	10	SITE	A0.01067B	2/23/2000	WATER	7440-62-2	Vanadium	37.7		В		9/11/2000	RW	3051/6020	NA	Yes
D8	10	ATLAS MILL SITE	A0.01067B	2/23/2000	WATER	7440-66-6	Zinc	36.9				9/11/2000	RW	3051/6020	NA	Yes
D0	10	ATLAS MILL	A0.01007B	2/23/2000	WAILK	7440-00-0	Zinc	30.7				2/11/2000	ΚW	3031/0020	IVA	103
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7429-90-5	Aluminum	17400				9/20/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7440-36-0	Antimony	0.054	U			9/15/2000	RW	3051/6020	NA	Yes
D10	IND	ATLAS MILL	A0.01083D	2/23/2000	WATER	7440-30-0	Antimony	0.034	U			9/13/2000	KW	3031/0020	NA	1 es
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-38-2	Arsenic	2.88		В		9/15/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7440-39-3	Barium	130		В		9/15/2000	RW	3051/6020	NA	Yes
D10	IND	ATLAS MILL	A0.01083D	2/23/2000	WATER	/440-39-3	Darium	130		ь		9/13/2000	KW	3031/0020	NA	1 es
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-41-7	Beryllium	0.34		В		9/15/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U			9/15/2000	RW	3051/6020	NA	Yes
Dio	145	ATLAS MILL	A0.01003D	2/23/2000	WAILK	7440-43-7	Cadimum	0.037				2/13/2000	ΚW	3031/0020	IVA	1 03
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-70-2	Calcium	89600				9/20/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7440-47-3	Chromium	11.7				9/15/2000	RW	3051/6020	NA	Yes
Dio	113	ATLAS MILL	A0.01003D	2/23/2000	WAILK	7440-47-3	Cinomium	11.7				2/13/2000	ΚW	3031/0020	IVA	103
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-48-4	Cobalt	3		В		9/15/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7440-50-8	Copper	9.28		В		9/15/2000	RW	3051/6020	NA	Yes
D10	110	ATLAS MILL	710.01003B	2/23/2000	WATER	7440 30 0	Соррег	7.20		В		3/13/2000	ICVV	3031/0020	1421	1 63
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7439-89-6	Iron	10600				9/15/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7439-92-1	Lead	6.71				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL										7,10,200				
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7439-95-4	Magnesium	41300				9/15/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7439-96-5	Manganese	142				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7439-97-6	Mercury	0.12		В		3/14/2000	RW	7471A	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7440-02-0	Nickel	7.98		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-09-7	Potassium	9240		-		9/15/2000	RW	3051/6020	NA	Yes
D10	NS	ATLAS MILL SITE	A0.01085D	2/23/2000	WATER	7782-49-2	Selenium	3.9		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	NS	SITE ATLAS MILL	A0.01085D	2/23/2000	WATER	7440-22-4	Silver	0.012	U			9/15/2000	RW	3051/6020	NA	Yes
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-23-5	Sodium	153000				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	NS	SITE ATLAS MILL	A0.01085D	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-62-2	Vanadium	31.8		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	NS	SITE	A0.01085D	2/23/2000	WATER	7440-66-6	Zinc	35.7				9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

									ı							
Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										r	Q					
		ATLAS MILL							<u> </u>		~					
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7429-90-5	Aluminum	11.2		В		9/20/2000	RW	3051/6020	NA	Yes
D10	C 11 D	ATLAS MILL	40.0100CE	2/22/2000	WATER	7440.26.0		0.47				0/15/2000	DW	2051/6020	37.4	
D10	Soil Pore	SITE ATLAS MILL	A0.01086E	2/23/2000	WATER	7440-36-0	Antimony	0.47		В		9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-38-2	Arsenic	3.11		В		9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7440-39-3	Dominum	144		В		9/15/2000	RW	3051/6020	NA	Vac
DIU	Son Pole	ATLAS MILL	A0.01080E	2/23/2000	WAIEK	/440-39-3	Barium	144		Ь		9/13/2000	KW	3031/6020	NA	Yes
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-41-7	Beryllium	0.047	U			9/15/2000	RW	3051/6020	NA	Yes
D10	C - 11 D	ATLAS MILL SITE	4.0.0109CE	2/23/2000	WATER	7440-43-9	Co doniono	0.26		В		9/15/2000	DW	2051/6020	NIA	V
D10	Soil Pore	ATLAS MILL	A0.01086E	2/23/2000	WATER	/440-43-9	Cadmium	0.26		В		9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-70-2	Calcium	596000				9/20/2000	RW	3051/6020	NA	Yes
D10	C - 11 D	ATLAS MILL	4.0.0109CE	2/22/2000	WATER	7440 47 2	Ch	2.24		В		0/15/2000	DW	2051/6020	NIA	V
D10	Soil Pore	SITE ATLAS MILL	A0.01086E	2/23/2000	WATEK	7440-47-3	Chromium	2.24		В		9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-48-4	Cobalt	21.4		В		9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7440-50-8	Common	21.1		В		9/15/2000	RW	3051/6020	NA	Yes
DIU	Son Pole	ATLAS MILL	A0.01080E	2/23/2000	WATER	/440-30-8	Copper	21.1		ь		9/13/2000	KW	3031/6020	NA	i es
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7439-89-6	Iron	947				9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7439-92-1	Lead	0.28		В		9/15/2000	RW	3051/6020	NA	Yes
DIU	Son Pole	ATLAS MILL	A0.01080E	2/23/2000	WATER	7439-92-1	Lead	0.28		ь		9/13/2000	KW	3031/6020	NA	i es
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7439-95-4	Magnesium	1030000				9/20/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7439-96-5	Manganese	13000				9/20/2000	RW	3051/6020	NA	Yes
Div	Son rore	ATLAS MILL	710.01000E	2/23/2000	WATER	1437 70 3	ivianganese	13000				3/20/2000	1011	3031/0020	1421	103
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7440-02-0	Nickel	20.4		В		9/15/2000	RW	3051/6020	NA	Yes
Dio	Son rore	ATLAS MILL	710.01000E	2/23/2000	WATER	7440 02 0	TVICKEI	20.4		Б		3/13/2000	1011	3031/0020	1421	103
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-09-7	Potassium	249000				9/20/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7782-49-2	Selenium	9.69				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL				7,70= 1,7 =						7,10,200				
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-22-4	Silver	0.012	U			9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7440-23-5	Sodium	4180000				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														- 00
D10	Soil Pore	SITE	A0.01086E	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D10	Soil Pore	ATLAS MILL SITE	A0.01086E	2/23/2000	WATER	7440-62-2	Vanadium	2.22		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	Soil Pore	SITE ATLAS MILL	A0.01086E	2/23/2000	WATER	7440-66-6	Zinc	105				9/15/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7429-90-5	Aluminum	15200				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D10	1	SITE ATLAS MILL	A0.01084C	2/23/2000	WATER	7440-36-0	Antimony	0.054	U			9/15/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7440-38-2	Arsenic	2.91		В		9/15/2000	RW	3051/6020	NA	Yes
D40		ATLAS MILL	10.010015	2.02.02.0	W. CEED	#440.00 D	ъ.	106				0/4.5/2005	nu.	2054/5025	27.4	**
D10	1	SITE	A0.01084C	2/23/2000	WATER	7440-39-3	Barium	126		В		9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	5	D : (N	NAPEL C. I. "	D . C !! !	35	GAGN. I						B		35.0.1	m .	:.
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
		ATLACAMIA							(	3	Q					-
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7440-41-7	Beryllium	0.38		В		9/15/2000	RW	3051/6020	NA	Yes
	-	ATLAS MILL													- 112	1
D10	1	SITE ATLAS MILL	A0.01084C	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U			9/15/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7440-70-2	Calcium	92200				9/20/2000	RW	3051/6020	NA	Yes
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7440-47-3	Chromium	10.5				9/15/2000	RW	3051/6020	NA	Yes
Div	•	ATLAS MILL	710.010040	2/23/2000	WHILK	7440 47 3	Cinomium	10.5				3/13/2000	ICVV	3031/0020	1771	1 03
D10	1	SITE	A0.01084C	2/23/2000	WATER	7440-48-4	Cobalt	2.83		В		9/15/2000	RW	3051/6020	NA	Yes
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7440-50-8	Copper	9.2		В		9/15/2000	RW	3051/6020	NA	Yes
D10		ATLAS MILL	10.010046	2/22/2000	WATER	7430.00.6		0000				0/15/2000	DIV	2051/6020	274	
D10	1	SITE ATLAS MILL	A0.01084C	2/23/2000	WATER	7439-89-6	Iron	9800				9/15/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7439-92-1	Lead	6.06				9/15/2000	RW	3051/6020	NA	Yes
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7439-95-4	Magnesium	41700				9/15/2000	RW	3051/6020	NA	Yes
D.10		ATLAS MILL	10.010015	2/22/2000		#400.05.5		426				0/4.5/2000	P.111		37.	
D10	1	SITE ATLAS MILL	A0.01084C	2/23/2000	WATER	7439-96-5	Manganese	136				9/15/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7440-02-0	Nickel	8.19		В		9/15/2000	RW	3051/6020	NA	Yes
	-	ATLAS MILL														
D10	1	SITE ATLAS MILL	A0.01084C	2/23/2000	WATER	7440-09-7	Potassium	8550				9/15/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7782-49-2	Selenium	4.61		В		9/15/2000	RW	3051/6020	NA	Yes
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7440-22-4	Silver	0.012	U			9/15/2000	RW	3051/6020	NA	Yes
	•	ATLAS MILL					511101									
D10	1	SITE ATLAS MILL	A0.01084C	2/23/2000	WATER	7440-23-5	Sodium	159000				9/20/2000	RW	3051/6020	NA	Yes
D10	1	SITE	A0.01084C	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D10	1	ATLAS MILL SITE	A0.01084C	2/23/2000	WATER	7440-62-2	Vanadium	27.8		В		9/15/2000	RW	3051/6020	NA	Yes
D10	1	ATLAS MILL	A0.01084C	2/23/2000	WATER	7440-02-2	v anadium	27.6		ь		9/13/2000	IX VV	3031/0020	INA	1 65
D10	1	SITE	A0.01084C	2/23/2000	WATER	7440-66-6	Zinc	32.6				9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7429-90-5	Aluminum	17900				9/20/2000	RW	3051/6020	NA	Yes
	_	ATLAS MILL														
D10	5	SITE ATLAS MILL	A0.01083B	2/23/2000	WATER	7440-36-0	Antimony	0.13		В		9/15/2000	RW	3051/6020	NA	Yes
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-38-2	Arsenic	2.71		В		9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7440-39-3	Barium	136		В		9/15/2000	RW	3051/6020	NA	Yes
D10	F	ATLAS MILL	A 0 01002D			7440 41 7				ъ		0/15/2000	DW		N/ A	V
D10	5	SITE ATLAS MILL	A0.01083B	2/23/2000	WATER	7440-41-7	Beryllium	0.53		В		9/15/2000	RW	3051/6020	NA	Yes
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-43-9	Cadmium	0.057	U			9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7440-70-2	Calcium	92100				9/20/2000	RW	3051/6020	NA	Yes
	5	ATLAS MILL										0/15/2000				
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-47-3	Chromium	13.2				9/15/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client	Etwata (m)	Duois at Names	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Amaluta	Consontration (ug/L)	_			Data Analyzad	Amalyat	Method	Toutune	Artifacts:
Sample ID:	Strata (III)	Froject Name:	NAKEL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie		Date Analyzed	Analyst	Method	Texture:	Armacis:
		ATLAS MILL							(	3	Q					
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-48-4	Cobalt	3.12		В		9/15/2000	RW	3051/6020	NA	Yes
D40		ATLAS MILL		0.100.100.00	W. CEED	<b>5440.50.0</b>		0.64				0/4.5/2000	P.111	2054/5020	37.4	**
D10	5	SITE ATLAS MILL	A0.01083B	2/23/2000	WATER	7440-50-8	Copper	9.64		В		9/15/2000	RW	3051/6020	NA	Yes
D10	5	SITE	A0.01083B	2/23/2000	WATER	7439-89-6	Iron	11000				9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7439-92-1	Lead	6.93				9/15/2000	RW	3051/6020	NA	Yes
	_	ATLAS MILL														
D10	5	SITE ATLAS MILL	A0.01083B	2/23/2000	WATER	7439-95-4	Magnesium	38500				9/15/2000	RW	3051/6020	NA	Yes
D10	5	SITE	A0.01083B	2/23/2000	WATER	7439-96-5	Manganese	122				9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
		ATLAS MILL														
D10	5	SITE ATLAS MILL	A0.01083B	2/23/2000	WATER	7440-02-0	Nickel	9.85		В		9/15/2000	RW	3051/6020	NA	Yes
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-09-7	Potassium	8580				9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7782-49-2	Selenium	1.23		В		9/15/2000	RW	3051/6020	NA	Yes
D10	3	ATLAS MILL	A0.01063B	2/23/2000	WATER	1182-49-2	Selemum	1.23		ь		9/13/2000	KW	3031/6020	NA	res
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-22-4	Silver	0.26		В		9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7440-23-5	Sodium	141000				9/20/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL SITE	A0.01083B	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D10	5	ATLAS MILL	A0.01083B	2/23/2000		7440-62-2	Vanadium	33.5		В		9/15/2000	RW		NIA	
D10	5	SITE ATLAS MILL	A0.01063B	2/23/2000	WATER	/440-62-2	Vanadium	33.3		ь		9/13/2000	K.W	3051/6020	NA	Yes
D10	5	SITE	A0.01083B	2/23/2000	WATER	7440-66-6	Zinc	34.9				9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7429-90-5	Aluminum	14900				9/20/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-36-0	Antimony	0.13		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL	A0.01082A	2/23/2000	WATER	/440-36-0	Antimony	0.13		ь		9/13/2000	KW	3031/6020	NA	res
D10	10	SITE	A0.01082A	2/23/2000	WATER	7440-38-2	Arsenic	3.31		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-39-3	Barium	129		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL				7440 41 7				ъ		0/15/2000	DW		NI A	
D10	10	SITE ATLAS MILL	A0.01082A	2/23/2000	WATER	7440-41-7	Beryllium	0.56		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	SITE	A0.01082A	2/23/2000	WATER	7440-43-9	Cadmium	0.11		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-70-2	Calcium	87900				9/20/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-47-3	Chromium	10.1				9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								ъ						
D10	10	SITE ATLAS MILL	A0.01082A	2/23/2000	WATER	7440-48-4	Cobalt	2.82		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	SITE	A0.01082A	2/23/2000	WATER	7440-50-8	Copper	8.8		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7439-89-6	Iron	9570				9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7439-92-1	Lead	6.51				9/15/2000	RW	3051/6020	NA	Yes
DIU	10	SHE	AU.01002A	2/23/2000	WAILK	/437-74-1	Leau	0.51				7/13/2000	IV VV	3031/0020	INA	1 02

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)		ualifie	me:	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample ID.	Strata (III)	Troject Name.	TVARCEE Sample #.	Date Concettu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Method	Texture.	Ai tilacts.
		ATLAS MILL							(	<i>)</i>	Q					
D10	10	SITE	A0.01082A	2/23/2000	WATER	7439-95-4	Magnesium	36400				9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7439-96-5	Manganese	100				9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL	A0.01082A	2/23/2000	WATER	7439-90-3	ivianganese	100				9/13/2000	IX VV	3031/0020	INA	1 65
D10	10	SITE	A0.01082A	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-02-0	Nickel	7.58		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL	A O O 1 O 9 2 A	2/22/2000	WATER	7440-09-7	Dotossium	7440				0/15/2000	DW	2051/6020	NIA	Vac
D10	10	SITE ATLAS MILL	A0.01082A	2/23/2000	WATER	/440-09-/	Potassium	/440				9/15/2000	RW	3051/6020	NA	Yes
D10	10	SITE	A0.01082A	2/23/2000	WATER	7782-49-2	Selenium	5.72				9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-22-4	Silver	0.07		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-23-5	Sodium	133000				9/20/2000	RW	3051/6020	NA	Yes
DIU	10	ATLAS MILL	A0.01082A	2/23/2000	WATEK	/440-23-3	Sodium	133000				9/20/2000	KW	3031/0020	NA	Yes
D10	10	SITE	A0.01082A	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL SITE	A0.01082A	2/23/2000	WATER	7440-62-2	Vanadium	28.3		В		9/15/2000	RW	3051/6020	NA	Yes
D10	10	ATLAS MILL	40.010024	2/22/2000	WATER	7440.66.6	77.	26.5				0/15/2000	DIV	2051/6020	27.4	V
D10	10	SITE ATLAS MILL	A0.01082A	2/23/2000	WATER	7440-66-6	Zinc	36.5				9/15/2000	RW	3051/6020	NA	Yes
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7429-90-5	Aluminum	18600				10/5/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7440-36-0	Antimony	0.46		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7440-38-2	Arsenic	2.07		В		9/22/2000	RW	3051/6020	NA	Yes
D13	113	ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-38-2	Aisenic	2.07		ь		9/22/2000	IX VV	3031/0020	INA	1 65
D15	NS	SITE ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-39-3	Barium	72.3		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7440-41-7	Beryllium	0.74		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7440-43-9	Cadmium	0.5		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL								Б						
D15	NS	SITE ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-70-2	Calcium	94900				10/2/2000	RW	3051/6020	NA	Yes
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7440-47-3	Chromium	6.58		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7440-48-4	Cobalt	1.98		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	NS	SITE ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-50-8	Copper	5.23		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7439-89-6	Iron	5540				9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7439-92-1	Lead	3.85				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	NS	SITE ATLAS MILL	A0.01092C	2/23/2000	WATER	7439-95-4	Magnesium	19000				9/22/2000	RW	3051/6020	NA	Yes
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7439-96-5	Manganese	64.7				9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
		ATLAS MILL								ъ						
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7440-02-0	Nickel	4.76		В		9/22/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0.	ualifie	re	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Sample 1D.	Strata (III)	1 roject ivanic.	NAKEL Sample #.	Date Concercu.	Matrix.	CAS Number	Analyte	Concentration (ug/E)				Date Analyzeu	Analyst	Wethou	Texture.	Ai tilacts.
		ATLAS MILL							C		Q					
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7440-09-7	Potassium	4500		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7782-49-2	Selenium	3.81		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	NS	SITE ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-22-4	Silver	0.4		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	SITE	A0.01092C	2/23/2000	WATER	7440-23-5	Sodium	162000				10/2/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7440-28-0	Thallium	0.37		В		9/22/2000	RW	3051/6020	NA	Yes
D15	NS	ATLAS MILL SITE	A0.01092C	2/23/2000	WATER	7440-62-2	Vanadium	16.7		В		9/22/2000	RW	3051/6020	NA	Yes
D13	113	ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-02-2	v anaurum	10.7				9/22/2000	IX VV	3031/0020	IVA	1 es
D15	NS	SITE ATLAS MILL	A0.01092C	2/23/2000	WATER	7440-66-6	Zinc	18.6		В		9/22/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7429-90-5	Aluminum	543				9/20/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7440-36-0	Antimony	0.21		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7440-38-2	Arsenic	7.77		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7440-39-3	Barium	289				9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7440-41-7	Beryllium	0.19		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7440-43-9	Cadmium	0.16		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7440-70-2	Calcium	135000				9/20/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7440-47-3	Chromium	1.06		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7440-48-4	Cobalt	0.63		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7440-50-8	Copper	2.83		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7439-89-6	Iron	1850				9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7439-92-1	Lead	3.03				9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7439-95-4	Magnesium	47200				9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7439-96-5	Manganese	1330				9/20/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/14/2000	RW	7471A	NA	Yes
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7440-02-0	Nickel	2.67		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7440-09-7	Potassium	11700				9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7782-49-2	Selenium	4.3		В		9/15/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7440-22-4	Silver	0.07		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7440-23-5	Sodium	243000				9/20/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	0	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
								(ag =)		3	0		111111111111111111111111111111111111111			
		ATLAS MILL							Ì		~					
D15	Soil Pore	SITE	A0.01091B	2/23/2000	WATER	7440-28-0	Thallium	0.055	U			9/15/2000	RW	3051/6020	NA	Yes
D15	Soil Pore	ATLAS MILL SITE	A0.01091B	2/23/2000	WATER	7440-62-2	Vanadium	3.87		В		9/15/2000	RW	3051/6020	NA	Yes
D15	Boil Tole	ATLAS MILL	710.01071B	2/23/2000	WATER	7440 02 2	Vanadium	3.07				3/13/2000	1000	3031/0020	1771	1 03
D15	Soil Pore	SITE ATLAS MILL	A0.01091B	2/23/2000	WATER	7440-66-6	Zinc	12.2		В		9/15/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7429-90-5	Aluminum	40900				10/5/2000	RW	3051/6020	NA	Yes
D20	NG	ATLAS MILL	4.0.0100.4E	2/22/2000	WATER	7440.26.0		0.12		Б		0/22/2000	DIV	2051/6020	274	
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-36-0	Antimony	0.12		В		9/22/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7440-38-2	Arsenic	5.06		В		9/22/2000	RW	3051/6020	NA	Yes
D20	NS	ATLAS MILL SITE	A0.01094E	2/23/2000	WATER	7440-39-3	Barium	156		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					Burum								1471	1 03
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-41-7	Beryllium	0.79		В		9/22/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7440-43-9	Cadmium	0.41		В		9/22/2000	RW	3051/6020	NA	Yes
D.0.0	210	ATLAS MILL	10010045	2/22/2000	W TED	5440 50 B		4.45000				40/2/2000	P.111	2054/5020	37.1	**
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-70-2	Calcium	145000				10/2/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7440-47-3	Chromium	12.8				9/22/2000	RW	3051/6020	NA	Yes
D20	NS	ATLAS MILL SITE	A0.01094E	2/23/2000	WATER	7440-48-4	Cobalt	5.58		В		9/22/2000	RW	3051/6020	NA	Yes
D20	113	ATLAS MILL	A0.01034E	2/23/2000	WAILK	7440-46-4	Cobait	5.56		-		3/22/2000	IC VV	3031/0020	IVA	1 03
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-50-8	Copper	15		В		9/22/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7439-89-6	Iron	14900				9/22/2000	RW	3051/6020	NA	Yes
D20	NG	ATLAS MILL	10.01004E	2/22/2000	WATER	7420.02.1	т 1	12				0/22/2000	DIV	2051/6020	274	
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7439-92-1	Lead	12				9/22/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7439-95-4	Magnesium	23700				9/22/2000	RW	3051/6020	NA	Yes
D20	NS	ATLAS MILL SITE	A0.01094E	2/23/2000	WATER	7439-96-5	Manganese	322				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					iviangunese									
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7440-02-0	Nickel	13		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Nic	ATLAS MILL	A O O1004E	2/22/2000	WATER	7440.00.7	Doto	6270				0/22/2000	DW	2051/0020	N/ A	V
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-09-7	Potassium	6270		<b>-</b>		9/22/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7782-49-2	Selenium	7.34				9/22/2000	RW	3051/6020	NA	Yes
D20	NS	ATLAS MILL SITE	A0.01094E	2/23/2000	WATER	7440-22-4	Silver	0.1		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-23-5	Sodium	189000		<del>                                     </del>		10/2/2000	RW	3051/6020	NA	Yes
D20	NS	SITE	A0.01094E	2/23/2000	WATER	7440-28-0	Thallium	0.25		В		9/22/2000	RW	3051/6020	NA	Yes
D20	NS	ATLAS MILL SITE	A0.01094E	2/23/2000	WATER	7440-62-2	Vanadium	34.7		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL					v anadium									
D20	NS	SITE ATLAS MILL	A0.01094E	2/23/2000	WATER	7440-66-6	Zinc	61.5				9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7429-90-5	Aluminum	2500				10/5/2000	RW	3051/6020	NA	Yes

Appendix 18. Total metals in water from field sampling, February 2000.

Client																
Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (ug/L)	Q	ualifie	rs	Date Analyzed	Analyst	Method	Texture:	Artifacts:
										,	Q					
		ATLAS MILL								_	Q					
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-36-0	Antimony	0.21		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-38-2	Arsenic	4.67		В		9/22/2000	RW	3051/6020	NA	Yes
D20	G 11 D	ATLAS MILL	40.01002D	2/22/2000	WATER	7440 20 2	ъ.	174		ъ		0/22/2000	DIV	2051/6020	27.4	37
D20	Soil Pore	SITE ATLAS MILL	A0.01093D	2/23/2000	WATER	7440-39-3	Barium	174		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-41-7	Beryllium	0.19		В		9/22/2000	RW	3051/6020	NA	Yes
-		ATLAS MILL					. ,									
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-43-9	Cadmium	0.23		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	ATLAS MILL SITE	A0.01093D	2/23/2000	WATER	7440-70-2	G-1-i	204000				10/2/2000	RW	3051/6020	NIA	Yes
D20	Soil Pore	ATLAS MILL	A0.01093D	2/23/2000	WATER	/440-70-2	Calcium	204000				10/2/2000	KW	3031/6020	NA	res
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-47-3	Chromium	1.46		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-48-4	Cobalt	0.54		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	ATLAS MILL SITE	A0.01093D	2/23/2000	WATER	7440-50-8	Copper	1.91		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Son role	ATLAS MILL	A0.01093D	2/23/2000	WAIEK	/440-30-8	Сорреі	1.91		Ь		9/22/2000	KW	3031/6020	NA	i es
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7439-89-6	Iron	3530				9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7439-92-1	Lead	1.99		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	ATLAS MILL SITE	A0.01093D	2/23/2000	WATER	7439-95-4	Magnesium	31500				9/22/2000	RW	3051/6020	NA	Yes
D20	30111010	ATLAS MILL	A0.01073D	2/23/2000	WAILK	7437-73-4	wagiicsium	31300				7/22/2000	ΚW	3031/0020	IVA	103
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7439-96-5	Manganese	2560				10/2/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D20	Soil Pore	SITE ATLAS MILL	A0.01093D	2/23/2000	WATER	7439-97-6	Mercury	0.033	U			3/16/2000	RW	7471A	NA	Yes
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-02-0	Nickel	1.93		В		9/22/2000	RW	3051/6020	NA	Yes
520	50111010	ATLAS MILL	110.010,32	2/23/2000	William	7110 02 0	TVICACI	1.75		В		3/22/2000	2011	3031,0020	1,1.1	103
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-09-7	Potassium	6680				9/22/2000	RW	3051/6020	NA	Yes
D20	G 11 D	ATLAS MILL	40.01002D	2/22/2000	WATER	7702 40 2	G 1 :	2.25		ъ		0/22/2000	DIV	2051/6020	27.4	
D20	Soil Pore	SITE ATLAS MILL	A0.01093D	2/23/2000	WATER	7782-49-2	Selenium	3.25		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-22-4	Silver	0.11		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL											***			
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-23-5	Sodium	492000				10/2/2000	RW	3051/6020	NA	Yes
D20	Cail Dag	ATLAS MILL	A0.01002D	2/22/2000	WATER	7440 28 0	Thelling	0.00		В		0/22/2000	DW	2051/6020	NI A	Vac
D20	Soil Pore	SITE ATLAS MILL	A0.01093D	2/23/2000	WATER	7440-28-0	Thallium	0.09		В		9/22/2000	RW	3051/6020	NA	Yes
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-62-2	Vanadium	3.19		В		9/22/2000	RW	3051/6020	NA	Yes
		ATLAS MILL														
D20	Soil Pore	SITE	A0.01093D	2/23/2000	WATER	7440-66-6	Zinc	9.44		В		9/22/2000	RW	3051/6020	NA	Yes

Appendix 19. Gross alpha and beta radiation in water from field sampling, February 2000.

Lestent   Lest		1			· ·		1			1		1			1	1 1	
IPRY		Lateral Distance															
HWY 19  SKIL   PORE WATER   A0011450   \$227,2000 147   \$225,2000 047   \$600,000 147   \$100,000	Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
IPAY         NS		SOIL		A0.01156B					ALPBET	10	ml	Alpha			39.4	pci/L	
Heart   19																	
CHW   SOIL   PORK WATER   ADDITION   272000 1124   272000 1124   ADDITION																	
CHW   SOIL   PORK WATER   AMELINA   2212500 1024   25250																	
CHW   NS																	
CHAPTER   AGONTON   CONTROL   CONT																	
CG   SOIL   PORE WATER   ADDITION   232350 (1044   2323500 (1044   232350 (1044																	
CC   SOIL   PORE WATER   A0011811   223/2000 1044   203/2000 1045   203/2000 1047   203/2000													1660				
CG   NS   WATER   A0.011858   223/2000 10-34   223/2000 10-37   200/2000	UG	SOIL	PORE WATER	A0.01133U	2/23/2000 10:44	2/23/2000 10:44	00406253Y		ALPBET	10	ml		1900		76.6		7/12/2000
Color   PORE WATER   A001149C   2232000 1047   0540635H   APRET   10 ml   Alpha   1140   114   34.5 ml   7212000   170											ml	Alpha				pci/L	
UK   SOIL   PORE WATER   A00119C   2212000 1047   2012000 0-47   0000307P   APRIL   10   ml   Sea   1220   81.6   03.5   pcl.   7212000   10.7   10.000307P   APRIL   10.000307																	
VK   NS   WATER   A0015XX   2272000 1047   2252000 167   O40695PP   APBET   50   ml   Apba   471   141   8.65   pest   7282000   CK   NS   WATER   A0015XX   227200 1047   225200 167   O40695PP   APBET   50   ml   Apba   471   141   8.65   pest   7282000   CK   NS   WATER   A0015W   227200 1047   225200 167   O40695PP   APBET   50   ml   Apba   231   O43   231   O43   231   O43   231   O43   231   O43							00.000000										
U.K. NS																	
UX 1 WATER A00115W 2232000 1047 0252000 1047 00640391K ALPBET 10 mil Alpha 322 619 31.7 pvl. 7212000 UX 1 WATER A00115W 2232000 1047 0252000 1049 0640391K ALPBET 10 mil Beta 243 474 523 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 474 523 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 474 523 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 474 523 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 474 523 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1047 0640391K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1049 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 10 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Alpha 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Alpha 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Alpha 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Beta 243 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Alpha 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Alpha 10 pvl. 7212000 1044 10400491K ALPBET 20 mil Alpha 10 pvl. 7212000 1044 10400491K ALPBET																	
UX 1 WATER A00151W 2212900 1047 0212900 1047 001408578M ALPBET 10 mm Beta 241 474 521 pctl, 7212900 10X 5 WATER A001489 22122000 1047 001408578M ALPBET 50 mm Alpba 197 102 696 pctl. 7212900 10X 5 WATER A001489 22122000 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 177 744 931 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 182 602 pctl, 7212900 1047 001408578M ALPBET 50 mm Beta 182 602 pctl, 7212900 1049 pctl, 7212900 104		NS 1															
UX 5 WATER A0.01488 223:2000 1647 223:2000 1647 00406379M ALPBET 50 ml Apha 19.7 10.2 6.96 pct. 721:2000 UX 5 WATER A0.01480 223:2000 1647 223:2000 1647 00406379M ALPBET 50 ml Bea 17.7 7.41 981 pct. 721:2000 1040 1050 1050 1050 1050 1050 1050 1		1					00.000.000							0.00	0		,,_,,_,,
UX 5 WATER A0.01150V 223:2000 1047 2000037M ALPBET 50 ml Bed 17.7 7.41 9.81 pcl. 721:2000 UX 10 WATER A0.01150V 232:2000 1047 223:2000 1047 000608387M ALPBET 50 ml Apla 17.7 7.02 8.92 pcl. 721:2000 UX 10 WATER A0.01150V 232:2000 1047 223:2000 1047 000608387M ALPBET 50 ml Bed 17.7 7.02 8.92 pcl. 721:2000 UX 10 WATER A0.01150V 232:2000 1047 223:2000 1047 000608387H DIP ALPBET 50 ml Bed 17.7 7.02 8.92 pcl. 721:2000 UX 10 WATER A0.01150V 232:2000 1047 000608387H DIP ALPBET 50 ml Bed 17.7 7.02 8.92 pcl. 721:2000 UX 10 WATER A0.01150V 232:2000 1044 00060837H DIP ALPBET 50 ml Bed 18.2 0.662 8.7 pcl. 721:2000 UX 10 WATER A0.01150V 232:2000 1024 00060837H DIP ALPBET 50 ml Bed 18.2 0.662 8.7 pcl. 87.7000 UX 10 WATER A0.01150V 232:2000 1024 00060837H DIP ALPBET 10 ml Bed 8480 165 902 pcl. 87.7000 UX 10 WATER A0.01150V 232:2000 1024 00060837H DIP ALPBET 10 ml Bed 8480 165 902 pcl. 87.7000 UX 10 WATER A0.01170V 232:2000 1024 00060837H DIP ALPBET 50 ml Alpha 28.1 12 0.56 pcl. 87.7000 UX 10 WATER A0.01170V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 28.1 12 0.56 pcl. 87.7000 UX 10 WATER A0.01170V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01170V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01170V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01170V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01160V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01160V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01160V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01160V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.2 0.65 8.65 pcl. 87.7000 UX 10 WATER A0.01160V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.0 0.65 8.75 8.75 9.00 UX 10 WATER A0.01160V 232:2000 1024 00060873 DIP ALPBET 50 ml Alpha 18.00 UX 10 WATER A0.01160V 232:2000 1																	
UX 10 WATER A0.0150V 223/2000 1047 223/2000 1047 0.0006887M ALPRET 50 ml Alpha 5.08 7.76 8.77 pcil. 7.721/2000 UX 10 WATER A0.0150V 223/2000 1047 0.000687M ALPRET 50 ml Betu 17.7 7.02 8.92 pcil. 7.721/2000 UX 10 WATER A0.0150V 223/2000 1047 0.000687M DDP ALPRET 50 ml Alpha 8.66 8.01 17.7 pcil. 7.721/2000 UX 10 WATER A0.0150V 223/2000 1047 0.000687M DDP ALPRET 50 ml Alpha 8.66 8.01 17.7 pcil. 7.721/2000 UX 10 WATER A0.0150V 223/2000 1047 0.000687M DDP ALPRET 50 ml Alpha 8.66 8.01 17.0 pcil. 7.721/2000 UX 10 WATER A0.0150V 223/2000 1024 0.000697M DDP ALPRET 50 ml Alpha 8.66 8.01 18.0 pcil. 7.721/2000 UX 10 WATER A0.0167E 223/2000 1024 0.000697M ALPRET 10 ml Betu 4890 165 80.2 83 pcil. 7.721/2000 UX 10 WATER A0.01170																	
UX 10 WATER A0015VV 22320001047 22320001047 0040637M DIP AIPERT 50 ml Alpha 806 801 519 pcil. 7212000 UX 10 WATER A0015VV 22320001047 02520001047 0040639H DIP AIPERT 50 ml Alpha 806 801 519 pcil. 7212000 UX 10 WATER A0015VV 22320001047 02520001047 0040639H DIP AIPERT 50 ml Alpha 806 801 519 pcil. 7212000 UX 10 WATER A0015VV 22320001047 02520001047 0040639H DIP AIPERT 50 ml Alpha 2400 200 449 pcil. 872000 UX 10 WATER A0015VV 22320001024 00406409 AIPERT 50 ml Alpha 2400 200 449 pcil. 872000 UX 10 WATER A0015VV 22320001024 02320001024 00406409 M AIPERT 50 ml Alpha 2400 200 449 pcil. 872000 UX 10 WATER A0017VV 22320001024 02320001024 00406409 M AIPERT 50 ml Alpha 263 12 92.6 pcil. 872000 UX 10 WATER A0017VV 22320001024 02320001024 00406473 DIP AIPERT 50 ml Alpha 263 12 92.6 pcil. 872000 UX 10 WATER A0017VV 22320001024 023200000000000000000000000000000000																	
UX 10 WATER A00116W 223/2000 1047 223/2000 1047 004046371 ALPBET 10 ml Deta 142 6.62 8.7 cet.U. 721/2000 1044 SOIL. PORE WATER A00116TE 273/2000 1024 004046457 ALPBET 10 ml Deta 142 6.62 8.7 cet.U. 721/2000 1044 SOIL. PORE WATER A00116TE 273/2000 1024 00406457 ALPBET 10 ml Deta 8800 165 90.2 pct.I. 87/2000 1044 SOIL. PORE WATER A00116TE 273/2000 1024 00406457 ALPBET 10 ml Deta 8800 165 90.2 pct.I. 87/2000 1044 SOIL. SOIL PORE WATER A001170Z 223/2000 1024 00406469 ALPBET 30 ml Deta 8800 165 90.2 pct.I. 87/2000 1044 SOIL SOIL PORE WATER A001170Z 223/2000 1024 00406473 DUP ALPBET 30 ml Deta 8800 165 90.2 pct.I. 87/2000 1044 SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL	UX	10	WATER	A0.01150V	2/23/2000 10:47	2/23/2000 10:47	00406387M		ALPBET	50	ml		17.7	7.02	8.92		7/21/2000
U4   SOIL   PORE WATER   A0.01167E   223/2000 10.24   223/2000 10.24   0.0406457]   ALPBET   10   ml   Beta   4800   165   90.2   pc/L   87/2000   U4   NS   WATER   A0.01170Z   223/2000 10.24   0.04064697]   ALPBET   50   ml   Alpha   28.3   12   9.26   pc/L   87/2000   1.04   NS   WATER   A0.01170Z   223/2000 10.24   0.0406469N   ALPBET   50   ml   Alpha   28.3   12   9.26   pc/L   87/2000   1.04   NS   WATER   A0.01170Z   223/2000 10.24   0.0406469N   ALPBET   50   ml   Alpha   28.3   12   9.26   pc/L   87/2000   1.04   NS   WATER   A0.01170Z   223/2000 10.24   0.0406469N   ALPBET   50   ml   Alpha   16.3   9.35   12.6   pc/L   87/2000   1.04   NS   WATER   A0.011667   223/2000 10.24   223/2000 10.24   0.04064631   DUP   ALPBET   50   ml   Alpha   16.3   9.35   13.1   pc/L   87/2000   1.04		10	WATER	A0.01150V	2/23/2000 10:47	2/23/2000 10:47	00406391H	DUP	ALPBET		ml	Alpha		8.01		pci/L	
U4 SOIL PORE WATER A0.01167E 2232000 10.24 2232000 10.24 023000 10.24 00406457J ALPBET 10 ml Beta 4800 165 90.2 pcif. 87/72000 10.44 NS WATER A0.01170Z 2232000 10.24 0232000 10.24 0040646NN ALPBET 50 ml Beta 31 9.48 12.6 pcif. 87/72000 10.44 NS WATER A0.01170Z 2232000 10.24 0232000 10.24 004064NN ALPBET 50 ml Beta 31 9.48 12.6 pcif. 87/72000 10.44 NS WATER A0.01170Z 2232000 10.24 0232000 10.24 004064NN ALPBET 50 ml Beta 31 9.48 12.6 pcif. 87/72000 10.44 NS WATER A0.01170Z 2232000 10.24 0232000 10.24 004064NN ALPBET 50 ml Beta 49.5 9.75 10.9 pcif. 87/72000 10.44 NS WATER A0.01160Z 2232000 10.24 0232000 10.24 004064NN ALPBET 50 ml Beta 49.5 9.75 10.9 pcif. 87/72000 10.44 NS WATER A0.01160Z 2232000 10.24 0232000 10.24 004064NN ALPBET 50 ml Beta 49.5 9.75 10.9 pcif. 87/72000 10.44 1 NS WATER A0.01160Z 2232000 10.24 0232000 10.24 004064NN ALPBET 50 ml Beta 49.5 9.75 10.9 pcif. 87/72000 10.44 1 NS WATER A0.01165A 2232000 10.24 0232000 10.24 004064NN ALPBET 60 ml Beta 11.6 1.3 8.39 4.66 pcif. 73/12000 10.44 10.0 WATER A0.01165A 2232000 10.24 0232000 10.24 004064NN ALPBET 60 ml Beta 21.1 6.34 7.54 pcif. 73/12000 10.44 10.0 WATER A0.01166D 2232000 10.24 0232000 10.24 004064NS ALPBET 60 ml Beta 21.1 6.34 7.54 pcif. 73/12000 10.40 NATER A0.01166D 2232000 10.24 0232000 10.24 004064NS ALPBET 60 ml Beta 11.3 5.56 7.32 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 10.24 004064NN ALPBET 60 ml Alpha 16.3 8.30 4.66 pcif. 73/12000 1								DUP			ml					pci/L	
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U4 NS WATER A0.01170Z 223/2000 10:24 00400469N APBET 50 ml Beta 31 9.43 12.6 pcil. 87/2000																	
U4 NS WATER A0.01170Z 223/2000 10:24 00:0064733 DUP AIPBET 50 ml Alpha 16.2 10.5 8.65 pctl. 87/2000 U4 NS WATER A0.01160G 223/2000 10:24 00:0064673 DUP AIPBET 50 ml Beta 49.5 9/75 10/9 pctl. 87/2000 U4 1 WATER A0.01160G 223/2000 10:24 00:0064651 AIPBET 25 ml Alpha 159 37.5 11.31 pctl. 87/2000 U4 1 WATER A0.01160G 223/2000 10:24 00:0064651 AIPBET 25 ml Beta 140 23.7 27 pctl. 87/2000 U4 5 WATER A0.01160G 223/2000 10:24 00:0064651 AIPBET 25 ml Beta 140 23.7 27 pctl. 87/2000 U4 5 WATER A0.01160G 223/2000 10:24 00:006461 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 5 WATER A0.01160G 223/2000 10:24 00:006461 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 60 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 80 00 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 80 00 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 80 00 ml Alpha 16.3 83.9 4.66 pctl. 77/31/2000 U4 10 00:00641 AIPBET 80 00 ml Alpha 16.3 84 7.54 pctl. 77/31/2000 U4 10 00:00641 AIPBET 80 00 ml Alpha 16.3 84 7.54 pctl. 77/31/2000 U4 10 00:00641 AIPBET 80 00 ml Alpha 16.0 87/31/2000 U4 10 00:00641 AIPBET 80 ml Alpha 16.0 87/31/2000 U4 10 00:00641 AIPBET 80 ml Alpha 16.0 87/31/2000 U4 10 00:00641 AIPBET 80 ml Alpha 16.0 87/31/2000 U4 10 00:00641 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 AIPBET 80 ml Alpha 16.0 87/31 A																	
U4 NS   WATER   A0.011070   223/2000 1024   2213/2000 1024   0.0406451   ALPBET   50 ml   Beta   49.5   9.75   10.9   pirl.   87/2000   1.4   1 WATER   A0.01169G   223/2000 1024   0.04064651   ALPBET   25 ml   Alpha   15.9   37.5   13.1   porl.   87/2000   1.4   1 WATER   A0.01169G   223/2000 1024   0.0406451   ALPBET   25 ml   Alpha   15.9   37.5   13.1   porl.   87/2000   1.4   1 WATER   A0.01165A   223/2000 1024   0.0406451   ALPBET   25 ml   Alpha   16.3   8.39   4.66   porl.   7/31/2000   U4   5 WATER   A0.01165A   223/2000 1024   0.0406411   ALPBET   60 ml   Alpha   16.3   8.39   4.66   porl.   7/31/2000   U4   5 WATER   A0.01165A   223/2000 1024   0.0406411   ALPBET   60 ml   Alpha   16.3   8.39   4.66   porl.   7/31/2000   U4   10 WATER   A0.01166D   223/2000 1024   0.0406451   ALPBET   60 ml   Alpha   8.1   7.3   4.72   porl.   7/31/2000   U4   10 WATER   A0.01166D   223/2000 1024   0.0406451   ALPBET   60 ml   Alpha   8.1   7.3   4.72   porl.   7/31/2000   U2   SOIL   PORE WATER   A.001157   223/2000 1024   0.0406451   ALPBET   60 ml   Alpha   8.1   7.3   4.72   porl.   7/31/2000   U2   SOIL   PORE WATER   A.001157   223/2000 1047   0.040641   ALPBET   5 ml   Alpha   4120   214   54.5   porl.   7/31/2000   U2   SOIL   PORE WATER   A.001157   223/2000 1047   0.040641   ALPBET   5 ml   Alpha   420   214   54.5   porl.   7/32/2000   U2   SOIL   PORE WATER   A.001157   223/2000 1047   0.040641   ALPBET   5 ml   Alpha   420   8.1   Alpha   420   8.1   Alpha   420   8.1   Alpha   420   8.1   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   420   Alpha   Alpha   420   Alpha   Alpha   420   Alpha   Alpha   420   Alpha   Alpha   Alpha   420   Alpha   Alpha   420   Alpha   Alp								DIID									
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U4 5 WATER A001163A 223/2000 1024 0040641A ALPBET 60 ml Alpha 16.3 8.39 4.66 pc/L 7/31/2000 U4 15 WATER A001165A 223/2000 1024 0040645E ALPBET 60 ml Beta 21.1 6.34 7.54 pc/L 7/31/2000 U4 10 WATER A001166D 223/2000 1024 0040645E ALPBET 60 ml Alpha 8.1 7.3 4.72 pc/L 7/31/2000 U2 SOIL PORE WATER A001166D 223/2000 1024 0040645E ALPBET 60 ml Alpha 8.1 7.3 4.72 pc/L 7/31/2000 U2 SOIL PORE WATER A001157C 223/2000 1024 0040645E ALPBET 5 ml Alpha 1420 214 54.5 pc/L 7/31/2000 U2 SOIL PORE WATER A001157C 223/2000 1047 00406417A ALPBET 5 ml Alpha 1420 214 54.5 pc/L 7/28/2000 U2 NS WATER A001157C 223/2000 1047 00406417A ALPBET 5 ml Beta 2100 169 147 pc/L 7/28/2000 U2 NS WATER A001158D 223/2000 1047 00406417W ALPBET 25 ml Alpha 38.4 20.8 16.3 pc/L 7/28/2000 E SOIL PORE WATER A001158D 223/2000 1047 00406421W ALPBET 25 ml Alpha 38.4 20.8 16.3 pc/L 7/28/2000 E SOIL PORE WATER A001155A 223/2000 1047 00406421W ALPBET 5 ml Beta 76 20 26 pc/L 7/28/2000 E SOIL PORE WATER A001155A 223/2000 1047 00406409A ALPBET 5 ml Alpha 58.4 20.8 16.3 pc/L 7/28/2000 E SOIL PORE WATER A001155A 223/2000 1047 00406409A ALPBET 50 ml Alpha 6.06 8.73 8.28 pc/L 7/28/2000 E SOIL PORE WATER A001155A 223/2000 1047 00406409A ALPBET 50 ml Alpha 6.06 8.73 8.28 pc/L 7/28/2000 E SOIL PORE WATER A001155A 223/2000 1047 00406409A ALPBET 50 ml Alpha 6.06 8.73 8.28 pc/L 7/28/2000 E SOIL PORE WATER A001154Z 223/2000 1047 00406409W ALPBET 75 ml Beta 7.99 8.26 12.8 pc/L 7/28/2000 E SOIL PORE WATER A001154Z 223/2000 1047 00406409W ALPBET 75 ml Beta 5.99 5.51 8.44 pc/L 7/28/2000 E SOIL PORE WATER A001154Z 223/2000 1047 00406409W ALPBET 75 ml Alpha 6.06 8.73 8.81 pc/L 7/28/2000 E SOIL PORE WATER A001154Z 223/2000 1047 00406409W ALPBET 75 ml Alpha 6.06 8.73 8.81 pc/L 7/28/2000 E SOIL PORE WATER A001154Z 223/2000 1047 00406409W ALPBET 75 ml Alpha 6.06 8.73 8.81 pc/L 7/28/2000 E SOIL PORE WATER A001154Z 223/2000 1047 00406409W ALPBET 75 ml Alpha 19.06 8.06 8.06 8.06 8.06 8.06 8.06 8.06 8																	
U4 5 WATER A0.01163A 2.723/2000 10.24 0.0406441A ALPBET 60 ml Beta 21.1 6.34 7.54 pcil. 7/31/2000 U4 10 WATER A0.01166D 2.723/2000 10.24 0.0406451S ALPBET 60 ml Alpha 8.1 7.3 4.72 pcil. 7/31/2000 U4 10 WATER A0.01166D 2.723/2000 10.24 0.0406451E ALPBET 60 ml Alpha 8.1 7.3 4.72 pcil. 7/31/2000 U4 10 WATER A0.01166D 2.723/2000 10.44 0.0406451E ALPBET 60 ml Alpha 8.1 7.3 4.72 pcil. 7/31/2000 U4 20 0.040641A ALPBET 5 ml Alpha 1420 214 54.5 pcil. 7/31/2000 U4 20 0.040641A ALPBET 5 ml Alpha 1420 214 54.5 pcil. 7/31/2000 U4 20 0.040641A ALPBET 5 ml Alpha 1420 214 54.5 pcil. 7/31/2000 U2 SOIL PORE WATER A0.01157C 2.723/2000 10.47 0.040641A ALPBET 5 ml Alpha 1420 214 54.5 pcil. 7/32/2000 U4 0.040641A ALPBET 5 ml Alpha 1420 214 54.5 pcil. 7/32/2000 U4 0.040641A ALPBET 5 ml Alpha 1420 2.14 54.5 pcil. 7/32/2000 U4 0.040641A ALPBET 5 ml Alpha 18.4 20.8 16.3 pcil. 7/32/2000 U4 0.040641A ALPBET 5 ml Alpha 18.4 20.8 16.3 pcil. 7/32/2000 U4 0.040641A ALPBET 5 ml Alpha 18.4 20.8 16.3 pcil. 7/32/2000 U4 0.040641W ALPBET 25 ml Beta 70 20 20 pcil. 7/32/2000 U4 0.040641W ALPBET 50 ml Alpha 6.06 8.73 8.28 pcil. 7/32/2000 U4 0.040641W ALPBET 50 ml Alpha 6.06 8.73 8.28 pcil. 7/32/2000 U4 0.040641W ALPBET 50 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 50 ml Beta 7.99 8.26 12.8 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.48 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.48 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.48 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Beta 5.99 5.51 8.44 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Beta 5.99 5.51 8.44 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 75 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 50 ml Alpha 4.88 598 381 pcil. 7/32/2000 U4 0.040641W ALPBET 50 ml Alpha 5.05 5.50 8.52 pcil. 7/32/2000 U4 0.040		5															
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MW SOIL PORE WATER A0.01175E 2/23/2000 10:24 2/23/2000 10:24 00406491L ALPBET 5 ml Beta 1190 137 138 pci/L 8/7/2000										-							
	MW	SOIL	PORE WATER	A0.01175E	2/23/2000 10:24	2/23/2000 10:24	00406491L		ALPBET	5	ml	Beta	1190	137	138	pci/L	8/7/2000

Appendix 19. Gross alpha and beta radiation in water from field sampling, February 2000.

	1					1	1 1		1				1			
	Lateral Distance															
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
MW	50M UPDRAW	WATER	A0.01174D	2/23/2000 10:24	2/23/2000 10:24	00406487Q		ALPBET	5	ml	Alpha	890	178	86.9	pci/L	8/7/2000
MW	50M UPDRAW	WATER	A0.01174D	2/23/2000 10:24	2/23/2000 10:24	00406487Q		ALPBET	5	ml	Beta	1400	141	124	pci/L	8/7/2000
MW	NS	WATER	A0.01117U	02/23/00	02/23/00	00405713B		ALPBET	50	ml	Alpha	29	11.2	5.6	pci/L	5/25/2000
MW	NS	WATER	A0.01117U	02/23/00	02/23/00	00405713B		ALPBET	50	ml	Beta	28	7.78	9.19	pci/L	5/25/2000
MW	1	WATER	A0.01126V	02/23/00	02/23/00	00406217U		ALPBET	80	ml	Alpha	21.8	8.34	4.46	pci/L	6/5/2000
MW	1	WATER	A0.01126V	02/23/00	02/23/00	00406217U		ALPBET	80	ml	Beta	34.2	5.93	5.92	pci/L	6/5/2000
MW	5	WATER	A0.01176F	2/23/2000 10:24	2/23/2000 10:24	00406495Q		ALPBET	60	ml	Alpha	13.3	7.94	4.26	pci/L	8/7/2000
MW	5	WATER	A0.01176F	2/23/2000 10:24	2/23/2000 10:24	00406495Q		ALPBET	60	ml	Beta	18	7.31	10.2	pci/L	8/7/2000
MW	10	WATER	A0.01115R	02/23/00	02/23/00	00405705B		ALPBET	70	ml	Alpha	10.4	7.55	4.6	pci/L	5/25/2000
MW	10	WATER	A0.01115R	02/23/00	02/23/00	00405705B	_	ALPBET	70	ml	Beta	14.1	5.25 257	6.66	pci/L	5/25/2000
D2 D2	SOIL SOIL	PORE WATER PORE WATER	A0.01120N A0.01120N	02/23/00 02/23/00	02/23/00 02/23/00	00406183B 00406183B	1	ALPBET ALPBET	2	ml	Alpha	841 1050	257	245	pci/L	5/25/2000 5/25/2000
D2	SOIL	PORE WATER	A0.01120N A0.01120N	02/23/00	02/23/00	00406183B	DUP	ALPBET	2	ml ml	Beta Alpha	956	266	112	pci/L pci/L	5/25/2000
D2	SOIL	PORE WATER	A0.01120N A0.01120N	02/23/00	02/23/00	00406187F	DUP	ALPBET	2	ml	Beta	945	210	235	pci/L	5/25/2000
D2	NS	WATER	A0.01120N A0.01129Y	2/23/2000 10:44	2/23/2000 10:44	004061871 00406233U	DUI	ALPBET	50	ml	Alpha	22.5	11.4	6.45	pci/L	7/12/2000
D2	NS	WATER	A0.01129Y	2/23/2000 10:44	2/23/2000 10:44	00406233U		ALPBET	50	ml	Beta	32.6	8.33	9.67	pci/L	7/12/2000
D2	1	WATER	A0.01132T	2/23/2000 10:44	2/23/2000 10:44	00406247A		ALPBET	50	ml	Alpha	30.9	11.9	6.42	pci/L	7/12/2000
D2	1	WATER	A0.01132T	2/23/2000 10:44	2/23/2000 10:44	00406247A		ALPBET	50	ml	Beta	36	8.34	9.34	pci/L	7/12/2000
D2	5	WATER	A0.01121P	02/23/00	02/23/00	00406195F		ALPBET	70	ml	Alpha	16.7	8.74	5.12	pci/L	6/5/2000
D2	5	WATER	A0.01121P	02/23/00	02/23/00	00406195F		ALPBET	70	ml	Beta	16.6	5.51	6.83	pci/L	6/5/2000
D2	10	WATER	A0.01130Q	2/23/2000 10:44	2/23/2000 10:44	00406239A		ALPBET	75	ml	Alpha	16	8.08	5.52	pci/L	7/12/2000
D2	10	WATER	A0.01130Q	2/23/2000 10:44	2/23/2000 10:44	00406239A		ALPBET	75	ml	Beta	15.6	5.15	6.43	pci/L	7/12/2000
D4	SOIL	PORE WATER	A0.01128X	02/23/00	02/23/00	00406227W		ALPBET	4	ml	Alpha	652	179	84.5	pci/L	6/5/2000
D4	SOIL	PORE WATER	A0.01128X	02/23/00	02/23/00	00406227W		ALPBET	4	ml	Beta	1340	149	122	pci/L	6/5/2000
D4	NS	WATER	A0.01125U	02/23/00	02/23/00	00406213P		ALPBET	65	ml	Alpha	38	12	5.72	pci/L	6/5/2000
D4	NS	WATER	A0.01125U	02/23/00	02/23/00	00406213P		ALPBET	65	ml	Beta	43.5	7.61	7.81	pci/L	6/5/2000
D4	1	WATER	A0.01127W	02/23/00	02/23/00	00406223R		ALPBET	65	ml	Alpha	37.8	11.6	5.05	pci/L	6/5/2000
D4	1	WATER	A0.01127W	02/23/00	02/23/00	00406223R		ALPBET	65	ml	Beta	44.2	7.61	7.71	pci/L	6/5/2000
D4	5	WATER	A0.01173C	2/23/2000 10:24	2/23/2000 10:24	00406483L		ALPBET	50	ml	Alpha	13.2	9.43	8.45	pci/L	8/7/2000
D4	5	WATER	A0.01173C	2/23/2000 10:24	2/23/2000 10:24	00406483L		ALPBET	50	ml	Beta	19.4	8.61	12.2	pci/L	8/7/2000
D4 D4	10 10	WATER	A0.01124T A0.01124T	02/23/00 02/23/00	02/23/00 02/23/00	00406209U 00406209U		ALPBET	80 80	ml	Alpha	11.1	6.93 5.39	4.61 5.64	pci/L	6/5/2000 6/5/2000
D4 D6	SOIL	WATER PORE WATER	A0.011241 A0.01159E	2/23/2000 10:47	2/23/2000 10:47	00406209U 00406425A	1	ALPBET ALPBET	5	ml ml	Beta Alpha	26.4 1020	210	78	pci/L pci/L	7/31/2000
D6	SOIL	PORE WATER	A0.01159E A0.01159E	2/23/2000 10:47	2/23/2000 10:47	00406425A	1	ALPBET	5	ml	Beta	1720	150	112	pci/L	7/31/2000
D6	NS	WATER	A0.01159E	2/23/2000 10:47	2/23/2000 10:47	00406429E	1	ALPBET	30	ml	Alpha	74.6	22.2	9.72	pci/L	7/31/2000
D6	NS	WATER	A0.01160X A0.01160X	2/23/2000 10:47	2/23/2000 10:47	00406429E		ALPBET	30	ml	Beta	143	18.5	16.2	pci/L	7/31/2000
D6	1	WATER	A0.01100X A0.01143W	2/23/2000 10:44	2/23/2000 10:47	00406297L		ALPBET	40	ml	Alpha	73.9	20.6	9.55	pci/L	7/12/2000
D6	1	WATER	A0 01143W	2/23/2000 10:44	2/23/2000 10:44	00406297L		ALPBET	40	ml	Beta	94.5	13.4	12.5	pci/L	7/12/2000
D6	5	WATER	A0.01141U	2/23/2000 10:44	2/23/2000 10:44	00406289L		ALPBET	2	ml	Alpha	1200	373	208	pci/L	7/12/2000
D6	5	WATER	A0.01141U	2/23/2000 10:44	2/23/2000 10:44	00406289L		ALPBET	2	ml	Beta	2450	293	253	pci/L	7/12/2000
D6	10	WATER	A0.01142V	2/23/2000 10:44	2/23/2000 10:44	00406293G		ALPBET	50	ml	Alpha	21.1	10.4	6.02	pci/L	7/12/2000
D6	10	WATER	A0.01142V	2/23/2000 10:44	2/23/2000 10:44	00406293G		ALPBET	50	ml	Beta	31.6	8.22	9.57	pci/L	7/12/2000
D8	SOIL	PORE WATER	A0.01122Q	02/23/00	02/23/00	00406199K		ALPBET	50	ml	Alpha	31.9	11.5	5.99	pci/L	6/5/2000
D8	SOIL	PORE WATER	A0.01122Q	02/23/00	02/23/00	00406199K		ALPBET	50	ml	Beta	56.2	9.44	9.33	pci/L	6/5/2000
D8	NS	WATER	A0.01116T	02/23/00	02/23/00	00405709F		ALPBET	40	ml	Alpha	60.4	17.9	7.48	pci/L	5/25/2000
D8	NS	WATER	A0.01116T	02/23/00	02/23/00	00405709F		ALPBET	40	ml	Beta	67.6	12.2	12.8	pci/L	5/25/2000
D8	1	WATER	A0.01114Q	02/23/00	02/23/00	00405701X		ALPBET	40	ml	Alpha	49.5	17.1	8.22	pci/L	5/25/2000
D8	1	WATER	A0.01114Q	02/23/00	02/23/00	00405701X		ALPBET	40	ml	Beta	55.5	11.6	12.8	pci/L	5/25/2000
D8	5	WATER	A0.01119W	02/23/00	02/23/00	00405721B		ALPBET	70	ml	Alpha	14.2	7.85	4.42	pci/L	5/25/2000
D8	5	WATER	A0.01119W	02/23/00	02/23/00	00405721B		ALPBET	70	ml	Beta	20.6	5.68	6.72	pci/L	5/25/2000
D8	10	WATER	A0.01123R	02/23/00	02/23/00	00406203M		ALPBET	80	ml	Alpha	16.1	7.83	4.18	pci/L	6/5/2000
D8	10	WATER	A0.01123R	02/23/00	02/23/00	00406203M	<del>                                     </del>	ALPBET	80	ml	Beta	15.3	4.87	5.93	pci/L	6/5/2000
D10	SOIL	PORE WATER	A0.01138Z	2/23/2000 10:44	2/23/2000 10:44	00406275E	1	ALPBET	3	ml	Alpha	1250	282	131	pci/L	7/12/2000
D10 D10	SOIL NS	PORE WATER WATER	A0.01138Z A0.01137Y	2/23/2000 10:44 2/23/2000 10:44	2/23/2000 10:44 2/23/2000 10:44	00406275E 00406271A	1	ALPBET ALPBET	3 50	ml ml	Beta	2190	220 11.3	178 6.13	pci/L	7/12/2000 7/12/2000
D10 D10	NS NS	WATER	A0.01137Y A0.01137Y	2/23/2000 10:44	2/23/2000 10:44	00406271A 00406271A	1	ALPBET	50	ml	Alpha Beta	25 35.5	8.51	9.71	pci/L pci/L	7/12/2000
D10 D10	NS 1	WATER	A0.01137Y A0.01135W	2/23/2000 10:44	2/23/2000 10:44	00406271A 00406261Y	1	ALPBET	50	ml	Alpha	23.2	10.5	5.87	pci/L	7/12/2000
D10	1	WATER	A0.01135W A0.01135W	2/23/2000 10:44	2/23/2000 10:44	00406261Y	1	ALPBET	50	ml	Beta	31	8.19	9.61	pci/L	7/12/2000
D10	5	WATER	A0.01133W A0.01134V	2/23/2000 10:44	2/23/2000 10:44	00406257C	1	ALPBET	50	ml	Alpha	18.4	9.32	6.37	pci/L	7/12/2000
D10	5	WATER	A0.01134V	2/23/2000 10:44	2/23/2000 10:44	00406257C	$\vdash$	ALPBET	50	ml	Beta	16.6	7.09	9.36	pci/L	7/12/2000
D10	10	WATER	A0.01134V A0.01140T	2/23/2000 10:44	2/23/2000 10:44	00406283E	1 1	ALPBET	50	ml	Alpha	14.6	8.63	5.47	pci/L	7/12/2000
D10	10	WATER	A0.01140T	2/23/2000 10:44	2/23/2000 10:44	00406283E	t	ALPBET	50	ml	Beta	13.3	6.62	8.86	pci/L	7/12/2000

Appendix 19. Gross alpha and beta radiation in water from field sampling, February 2000.

	Lateral Distance															
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D10	10	WATER	A0.01140T	2/23/2000 10:44	2/23/2000 10:44	00406301N	DUP	ALPBET	50	ml	Alpha	17.5	9.55	5.57	pci/L	7/12/2000
D10	10	WATER	A0.01140T	2/23/2000 10:44	2/23/2000 10:44	00406301N	DUP	ALPBET	50	ml	Beta	18.5	7.31	9.47	pci/L	7/12/2000
D15	SOIL	PORE WATER	A0.01131R	2/23/2000 10:44	2/23/2000 10:44	00406243W		ALPBET	50	ml	Alpha	8.22	8.62	6.03	pci/L	7/12/2000
D15	SOIL	PORE WATER	A0.01131R	2/23/2000 10:44	2/23/2000 10:44	00406243W		ALPBET	50	ml	Beta	20.9	7.39	9.23	pci/L	7/12/2000
D15	NS	WATER	A0.01118V	02/23/00	02/23/00	00405717F		ALPBET	40	ml	Alpha	30.2	14.4	7.94	pci/L	5/25/2000
D15	NS	WATER	A0.01118V	02/23/00	02/23/00	00405717F		ALPBET	40	ml	Beta	38.1	10.4	12.3	pci/L	5/25/2000
D20	SOIL	PORE WATER	A0.01136X	2/23/2000 10:44	2/23/2000 10:44	00406267E		ALPBET	30	ml	Alpha	16	14.3	10.1	pci/L	7/12/2000
D20	SOIL	PORE WATER	A0.01136X	2/23/2000 10:44	2/23/2000 10:44	00406267E		ALPBET	30	ml	Beta	37.1	12.1	14.6	pci/L	7/12/2000
D20	NS	WATER	A0.01139A	2/23/2000 10:44	2/23/2000 10:44	00406279J		ALPBET	50	ml	Alpha	12.7	9.53	6.21	pci/L	7/12/2000
D20	NS	WATER	A0.01139A	2/23/2000 10:44	2/23/2000 10:44	00406279J		ALPBET	50	ml	Beta	24	7.66	9.37	pci/L	7/12/2000

Appendix 14: End genera valuation in some from field complete, Erdmany 2006.							
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Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					1
		ATLAS MILL													
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7429-90-5	Aluminum	995			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													1
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0433	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-38-2	Arsenic	0.405	l l		10/18/2000	RW	3051/6020	Coarse	Yes
01111	5011	ATLAS MILL	110.01270Q	2/23/2000	GEB IIIIE	7.110 30 2	THISOMO	0.102			10/10/2000	2011	3001/0020	Course	100
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-39-3	Barium	29			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													1
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.0955	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0382	l l		10/18/2000	RW	3051/6020	Coarse	Yes
01111	5011	ATLAS MILL	110.01270Q	2/23/2000	GEB IIIIE	7.110 13 7	Cuamum	0.0302			10/10/2000	2011	3001/0020	Course	100
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-70-2	Calcium	10700			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		2/22/2000	ann an an	=					40/40/2000		2054/5020		
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	7440-47-3	Chromium	1.09	Е	•	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-48-4	Cobalt	0.357	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-50-8	Copper	1.2	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	0.:1	ATLAS MILL	40.012000	2/22/2000	CEDIMENT	7439-89-6	T	000			10/18/2000	DW	2051/6020	C	V
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	/439-89-0	Iron	999			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7439-92-1	Lead	0.852			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	7439-95-4	Magnesium	862			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7439-96-5	Manganese	80.5			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					and the same of th								
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00841	U		3/20/2000	RW	7471A	Coarse	Yes
CHW	0.:1	ATLAS MILL SITE	40.012000	2/22/2000	CEDIMENT	7440-02-0	NU-l-1	0.862	E		10/18/2000	RW	2051/6020	G	
CHW	Soil	ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	/440-02-0	Nickel	0.862	Е	1	10/18/2000	KW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-09-7	Potassium	568	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.581	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0318	F		8/25/2000	RW	3051/6020	Coarse	Yes
01111	5011	ATLAS MILL	110.01270Q	2/23/2000	GEB IIVIEI (1	7.110 22 1	5	0.0310			0/20/2000	2011	3001/0020	Course	100
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-23-5	Sodium	204	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	6.1	ATLAS MILL	4.0.012000	2/22/2000	GEDD (EVE	7440.20.0	271 11:	0.00001	Е		10/10/2000	DW	2051/6020	G.	
CHW	Soil	SITE ATLAS MILL	A0.01298Q	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.00891	E	5	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-62-2	Vanadium	2.07	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
CHW	Soil	SITE	A0.01298Q	2/23/2000	SEDIMENT	7440-66-6	Zinc	2.57	$\vdash \vdash$	1	10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	ATLAS MILL SITE	A0.01303U	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8930			10/20/2000	RW	3051/6020	Coarse	Yes
11 00 1 171	5011	ATLAS MILL	A0.013030	2/23/2000	SEDIMINI	1747-70-3	Atummulli	6730		1	10/20/2000	IX VV	5051/0020	Coarse	103
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0778	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
IIIIIII 101	6.7	ATLAS MILL	40.0120217	2/22/2006	GEDD (E) 'T	7440.20.2		2.20			10/10/2006	DW	2051/6022		
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-38-2	Arsenic	3.38	$\sqcup \!\!\! \perp$		10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qι	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL												_	
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-39-3	Barium	448			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.506	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
*******	g ''	ATLAS MILL		0/00/0000	arra en en en				Π.		40/40/2000	P. 11.	2054/5020		
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.327	E	-	10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-70-2	Calcium	31000			10/18/2000	RW	3051/6020	Coarse	Yes
111177 101	g :1	ATLAS MILL	10.0120211	2/22/2000	CEDD (EXT	7440 47 2	a ·	12.1			10/10/2000	DW	2051/6020		37
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-47-3	Chromium	12.1			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.18	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Cail	ATLAS MILL SITE	A0.01303U	2/23/2000	SEDIMENT	7440-50-8	Common	9.23			10/18/2000	RW	3051/6020	Coarse	Vac
HW 1 191	Soil	ATLAS MILL	A0.013030	2/23/2000	SEDIMENT	/440-30-8	Copper	9.23		1	10/18/2000	K W	3031/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7439-89-6	Iron	12200			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	ATLAS MILL SITE	A0.01303U	2/23/2000	SEDIMENT	7439-92-1	Lead	12.3			10/18/2000	RW	3051/6020	Coarse	Yes
11W 1 171	5011	ATLAS MILL	A0.015050	2/23/2000	SEDIMENT	7437-72-1	Lead	12.3			10/18/2000	KW	3031/0020	Coarse	1 03
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7780			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	ATLAS MILL SITE	A0.01303U	2/23/2000	SEDIMENT	7439-96-5	Manganese	295			10/18/2000	RW	3051/6020	Coarse	Yes
1111111111	5011	ATLAS MILL	110.013030	2/23/2000	OLD IIII		manganese			1	10/10/2000			Course	100
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0171	E	3	3/20/2000	RW	7471A	Coarse	Yes
HWY 191	Soil	ATLAS MILL SITE	A0.01303U	2/23/2000	SEDIMENT	7440-02-0	Nickel	9.93			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-09-7	Potassium	2410	_		10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.44			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL								1					
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0635	E	3	8/25/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-23-5	Sodium	586	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
*******	g ''	ATLAS MILL		0/00/0000	arra en en en	#440.00 O	771 11:	0.425	Π.		40/40/2000	P. 11.	2054/5020		
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.137	E	-	10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	Soil	SITE	A0.01303U	2/23/2000	SEDIMENT	7440-62-2	Vanadium	26.5			10/18/2000	RW	3051/6020	Coarse	Yes
HWW 101	g.:1	ATLAS MILL	A O 0120211	2/22/2000	CEDIMENT	7440.66.6	7:	40.2			10/19/2000	DW	2051/6020	G	V
HWY 191	Soil	SITE ATLAS MILL	A0.01303U	2/23/2000	SEDIMENT	7440-66-6	Zinc	49.2	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7429-90-5	Aluminum	13000			10/17/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.101	F	,	10/16/2000	RW	3051/6020	Coarse	Yes
UA	5011	ATLAS MILL	AU.012020	2/23/2000	GEDIMENT	/440-30-0	Anumony	0.101	H	<u>'</u>	10/10/2000	IX VV	5051/0020	Coarse	1 65
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-38-2	Arsenic	7.29			10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/23/2000	SEDIMENT	7440-39-3	Barium	252			10/16/2000	RW	3051/6020	Coarse	Yes
021	5011	ATLAS MILL	710.012020	2/23/2000	CEDIMENT	1440 37 3	Durium	232			10/10/2000	1011	3031/0020	Course	103
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.723	lacksquare		10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.412	F	,	10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	O	ualifier	S Date Analyzed	Analyst	Method	Texture:	Artifacts:
	,	•						//							
									C	(	!				
1137	6.1	ATLAS MILL	10.012025	2/22/2000	GEDD ÆNE	7440 70 2	0.1.	42100			10/16/2000	DIV	2051/6020	a.	37
UX	Soil	SITE ATLAS MILL	A0.01282G	2/23/2000	SEDIMENT	7440-70-2	Calcium	42100		_	10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-47-3	Chromium	15.9			10/16/2000	RW	3051/6020	Coarse	Yes
_		ATLAS MILL													
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.62	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/22/2000	SEDIMENT	7440-50-8	Common	14			10/16/2000	RW	3051/6020	Coorne	Yes
UA	3011	ATLAS MILL	A0.01282G	2/23/2000	SEDIMENT	/440-30-8	Copper	14			10/10/2000	KW	3031/6020	Coarse	1 es
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7439-89-6	Iron	14800			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7439-92-1	Lead	13.8			10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11500			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL						1.000			10,10,200				
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7439-96-5	Manganese	379			10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00897	U		3/17/2000	RW	7471A	Coarse	Yes
UA	5011	ATLAS MILL	A0.01282G	2/23/2000	SEDIMENT	/439-97-0	Mercury	0.00897	U	+	3/17/2000	KW	/4/1A	Coarse	res
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-02-0	Nickel	14.1			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	Soil	SITE ATLAS MILL	A0.01282G	2/23/2000	SEDIMENT	7440-09-7	Potassium	3250	H	_	10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.32			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-22-4	Silver	0.107	I	В	8/24/2000	RW	3051/6020	Coarse	Yes
UX	Soil	ATLAS MILL SITE	A0.01282G	2/23/2000	SEDIMENT	7440-23-5	Sodium	899			10/17/2000	RW	3051/6020	Coarse	Yes
UA	5011	ATLAS MILL	A0.01202G	2/23/2000	SEDIMENT	7440-23-3	Socium	877			10/1//2000	KW	3031/0020	Coarse	1 03
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.222	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
1137	6.1	ATLAS MILL	10.012025	2/22/2000	GEDD ÆNE	7440 62 2	37 1:	41			10/16/2000	DIV	2051/6020	ā	
UX	Soil	SITE ATLAS MILL	A0.01282G	2/23/2000	SEDIMENT	7440-62-2	Vanadium	41			10/16/2000	RW	3051/6020	Coarse	Yes
UX	Soil	SITE	A0.01282G	2/23/2000	SEDIMENT	7440-66-6	Zinc	57.9			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	Soil	SITE ATLAS MILL	A0.01283H	2/23/2000	SEDIMENT	7429-90-5	Aluminum	14400			10/17/2000	RW	3051/6020	Coarse	Yes
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0547	l l	B	10/16/2000	RW	3051/6020	Coarse	Yes
	5011	ATLAS MILL	110.0120311	2/23/2000	BEB1111ETT1	7110 30 0	7 1111111101119	0.0517	<u> </u>		10/10/2000	1011	3001,0020	course	100
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-38-2	Arsenic	6.2			10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	ATLAS MILL SITE	A0.01283H	2/23/2000	SEDIMENT	7440-39-3	Barium	198			10/16/2000	RW	3051/6020	Coarse	Yes
UG	5011	ATLAS MILL	A0.01283f1	2/23/2000	SEDIMENT	/440-39-3	Darium	198	H	+	10/16/2000	KW	3031/6020	Coarse	res
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.903			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
UG	Soil	SITE ATLAS MILL	A0.01283H	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.562	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-70-2	Calcium	46000			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-47-3	Chromium	20	$\sqcup$		10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	ATLAS MILL SITE	A0.01283H	2/23/2000	SEDIMENT	7440-48-4	Cobalt	7.58			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

GII 4 G 1								6							
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Ou	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
			,			0.100.1,0.110.0								200000	
		ATTACAMILI							С	Q					
UG	Soil	ATLAS MILL SITE	A0.01283H	2/23/2000	SEDIMENT	7440-50-8	Copper	19.1			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					5.5								
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7439-89-6	Iron	19300	_	ļ	10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	ATLAS MILL SITE	A0.01283H	2/23/2000	SEDIMENT	7439-92-1	Lead	20.7			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	Soil	SITE ATLAS MILL	A0.01283H	2/23/2000	SEDIMENT	7439-95-4	Magnesium	12300			10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7439-96-5	Manganese	432			10/16/2000	RW	3051/6020	Coarse	Yes
HG	6.1	ATLAS MILL	4.0.0120211	2/22/2000	CEDD (EXT	7420.07.6		0.0151	Б		2/17/2000	DW	74714		V
UG	Soil	SITE ATLAS MILL	A0.01283H	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0151	В		3/17/2000	RW	7471A	Coarse	Yes
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-02-0	Nickel	20			10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	ATLAS MILL SITE	А0.01283Н	2/23/2000	SEDIMENT	7440-09-7	Potassium	4550			10/16/2000	RW	3051/6020	Coarse	Yes
- 00	3011	ATLAS MILL	A0.0128311	2/23/2000	SEDIMENT	/440-03-7	rotassiuiii	4550			10/10/2000	IX W	3031/0020	Coarse	1 es
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.94			10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	ATLAS MILL SITE	A0.01283H	2/23/2000	SEDIMENT	7440-22-4	Silver	0.132	В		8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	Soil	SITE ATLAS MILL	A0.01283H	2/23/2000	SEDIMENT	7440-23-5	Sodium	2150	_		10/17/2000	RW	3051/6020	Coarse	Yes
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.313	В		10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	Soil	SITE ATLAS MILL	A0.01283H	2/23/2000	SEDIMENT	7440-62-2	Vanadium	39.2	-		10/16/2000	RW	3051/6020	Coarse	Yes
UG	Soil	SITE	A0.01283H	2/23/2000	SEDIMENT	7440-66-6	Zinc	87.2			10/16/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8140			10/12/2000	RW	3051/6020	Coarse	Yes
- 04	5011	ATLAS MILL	A0.01230E	2/23/2000	SEDIMENT	7429-90-3	Aluminum	8140	-		10/12/2000	K W	3031/6020	Coarse	i es
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.114	В		10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.35			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												Course	
U4	Soil	SITE ATLAS MILL	A0.01256E	2/23/2000	SEDIMENT	7440-39-3	Barium	163			10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.769			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U4	Soil	SITE ATLAS MILL	A0.01256E	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.44	В		10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-70-2	Calcium	41300			10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/22/2000	CEDIMENT	7440 47 2	Chromina	12.9			10/11/2000	RW	2051/6020	Corres	Vaa
U4	5011	ATLAS MILL	A0.01256E	2/23/2000	SEDIMENT	7440-47-3	Chromium	12.8			10/11/2000	KW	3051/6020	Coarse	Yes
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.8	В		10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7440-50-8	Copper	15			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Соррег		$\dashv$					Course	163
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7439-89-6	Iron	14400			10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7439-92-1	Lead	13.9			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Ou	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
121	Strutu (III)	rojectramer	Turida Sample III	Date concercu.	172441224	C. I.S. T. Manusci	. many te	,	Ì		Date Finalyzed	rimijst	Without	reacurer	Titelluctor
		ATLAS MILL							С	Q					
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7439-95-4	Magnesium	10900			10/11/2000	RW	3051/6020	Coarse	Yes
774		ATLAS MILL	10.01050	2/22/2000	arra erve	#420.06.#		205			10/11/2000	P.111	2054/5020		
U4	Soil	SITE ATLAS MILL	A0.01256E	2/23/2000	SEDIMENT	7439-96-5	Manganese	385	H		10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.057			3/16/2000	RW	7471A	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7440-02-0	Nickel	14.2			10/11/2000	RW	3051/6020	Coarse	Yes
04	5011	ATLAS MILL	A0.01230E	2/23/2000	SEDIMENT	/440-02-0	Nickei	14.2			10/11/2000	KW	3031/0020	Coarse	i es
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-09-7	Potassium	2640			10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.41			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U4	Soil	SITE ATLAS MILL	A0.01256E	2/23/2000	SEDIMENT	7440-22-4	Silver	0.00695	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-23-5	Sodium	1750			10/11/2000	RW	3051/6020	Coarse	Yes
774		ATLAS MILL	10.01050	2/22/2000	arra erve	#440 #0 0		0.045			40/44/2000	P.111	2054/5020		
U4	Soil	SITE ATLAS MILL	A0.01256E	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.247	Е	3	10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	SITE	A0.01256E	2/23/2000	SEDIMENT	7440-62-2	Vanadium	24.5			10/11/2000	RW	3051/6020	Coarse	Yes
U4	Soil	ATLAS MILL SITE	A0.01256E	2/23/2000	SEDIMENT	7440-66-6	Zinc	57.4			10/11/2000	RW	3051/6020	Coarse	Yes
04	3011	ATLAS MILL	A0.01230E	2/23/2000	SEDIMENT	/440-00-0	ZIIIC	37.4	$\vdash$		10/11/2000	IX VV	3031/0020	Coarse	1 es
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8590			10/17/2000	RW	3051/6020	Coarse	Yes
U2	Soil	ATLAS MILL SITE	A0.01288N	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0913	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U2	Soil	SITE ATLAS MILL	A0.01288N	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.87	-		10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-39-3	Barium	184			10/16/2000	RW	3051/6020	Coarse	Yes
110	6.1	ATLAS MILL	10.0120021	2/22/2000	CEDIA CENT	7440 41 7	D 11:	0.627	Е		10/16/2000	DW	2051/6020		
U2	Soil	SITE ATLAS MILL	A0.01288N	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.627	Е	1	10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.636	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	ATLAS MILL SITE	A0.01288N	2/23/2000	SEDIMENT	7440-70-2	Calcium	48500			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							$\Box$						
U2	Soil	SITE ATLAS MILL	A0.01288N	2/23/2000	SEDIMENT	7440-47-3	Chromium	11.3	$\vdash \vdash$	-	10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.11	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
110	6.1	ATLAS MILL	10.012002	2/22/2006	GEDD (E) 'T	7440.50.0	-	16.0			10/16/2006	DW	2051/6022		
U2	Soil	SITE ATLAS MILL	A0.01288N	2/23/2000	SEDIMENT	7440-50-8	Copper	16.9	$\vdash$		10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7439-89-6	Iron	13500			10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	ATLAS MILL SITE	A0.01288N	2/23/2000	SEDIMENT	7439-92-1	Lead	17.2			10/16/2000	RW	3051/6020	Coarse	Yes
02	5011	ATLAS MILL	AU.01200IN	2/23/2000	SEDIMENT	1737-74-1	Leau	1/.2	H	1	10/10/2000	17. VV	3031/0020	Coarse	1 05
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7439-95-4	Magnesium	10300	1		10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	ATLAS MILL SITE	A0.01288N	2/23/2000	SEDIMENT	7439-96-5	Manganese	431			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00956	U		3/17/2000	RW	7471A	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Oı	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	()	- I o government					- Tananay ta	,/							
									C	Q					
112	0.:1	ATLAS MILL	A0.01288N	2/23/2000	CEDIMENT	7440-02-0	NULL	15.7			10/16/2000	DW	2051/6020	G	V
U2	Soil	SITE ATLAS MILL	A0.01288N	2/23/2000	SEDIMENT	/440-02-0	Nickel	15.7			10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-09-7	Potassium	2330			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.14			10/16/2000	RW	3051/6020	Coarse	Yes
U2	Soil	ATLAS MILL SITE	A0.01288N	2/23/2000	SEDIMENT	7440-22-4	Silver	0.235	l I <sub>F</sub>	3	8/24/2000	RW	3051/6020	Coarse	Yes
- 02	5011	ATLAS MILL	110.0120011	2/23/2000	BEB1111ETT1	7110 22 1	511101	0.233			0/21/2000	1011	3001,0020	Course	100
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-23-5	Sodium	1770			10/17/2000	RW	3051/6020	Coarse	Yes
U2	Soil	ATLAS MILL	A O O 1200NI	2/22/2000	CEDIMENT	7440.20.0	Thallium	0.212	l l		10/16/2000	RW	2051/6020	Coarse	V
02	5011	SITE ATLAS MILL	A0.01288N	2/23/2000	SEDIMENT	7440-28-0	Inamum	0.212	1	3	10/16/2000	KW	3051/6020	Coarse	Yes
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-62-2	Vanadium	25.6			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U2	Soil	SITE	A0.01288N	2/23/2000	SEDIMENT	7440-66-6	Zinc	87.4			10/16/2000	RW	3051/6020	Coarse	Yes
E4	Soil	ATLAS MILL SITE	A0.012304V	2/23/2000	SEDIMENT	7429-90-5	Aluminum	4130			10/20/2000	RW	3051/6020	Coarse	Yes
2.	5011	ATLAS MILL	110.0123011	2/23/2000	BEB1111ETT1	7.125 50 5		1130			10/20/2000	1011	3001,0020	Course	100
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0511	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
E4	0.:1	ATLAS MILL	4.0.01220437	2/22/2000	CEDIMENT	7440.29.2	A	2.00			10/19/2000	DW	2051/6020	G	V
E4	Soil	SITE ATLAS MILL	A0.012304V	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.09			10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-39-3	Barium	82.3			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE ATLAS MILL	A0.012304V	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.222	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0779	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-70-2	Calcium	17600			10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	ATLAS MILL SITE	A0.012304V	2/23/2000	SEDIMENT	7440-47-3	Chromium	3.75			10/18/2000	RW	3051/6020	Coarse	Yes
L4	5011	ATLAS MILL	A0.012304 V	2/23/2000	SEDIMENT	7440-47-5	Cinomium	3.13			10/18/2000	KW	3031/0020	Coarse	1 03
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.48	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		2/22/2000	ann an an	#440 #0 O		2.05	E		40/40/2000		2051/5020		
E4	Soil	SITE ATLAS MILL	A0.012304V	2/23/2000	SEDIMENT	7440-50-8	Copper	2.85	F	3	10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7439-89-6	Iron	5330			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7439-92-1	Lead	4.78			10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	ATLAS MILL SITE	A0.012304V	2/23/2000	SEDIMENT	7439-95-4	Magnesium	3140			10/18/2000	RW	3051/6020	Coarse	Yes
	50	ATLAS MILL	110.01230.1	2,23,2000		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- Auguestum	31.0	1 1		10,10,2000	10.11	2001/0020	Course	1.00
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7439-96-5	Manganese	171			10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil.	ATLAS MILL	A 0 01220437	2/22/2000	CEDIMENT	7420 07 6	Maraner	0.0117	F	, [	2/20/2000	pw/	7/71 4	Coorea	Vaa
E4	Soil	SITE ATLAS MILL	A0.012304V	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0117		,	3/20/2000	RW	7471A	Coarse	Yes
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-02-0	Nickel	3.54	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	Soil	SITE ATLAS MILL	A0.012304V	2/23/2000	SEDIMENT	7440-09-7	Potassium	925	$\vdash$	+	10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.664		1	10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť	`					
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0332	Е	3	8/25/2000	RW	3051/6020	Coarse	Yes
E4	6.7	ATLAS MILL	4.0.0122047	2/22/2000	GEDD ÆNE	7440.00.5	G 1:	627			10/10/2000	DW	2051/6020	ā	**
E4	Soil	SITE ATLAS MILL	A0.012304V	2/23/2000	SEDIMENT	7440-23-5	Sodium	637	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0409	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
E4	Soil	ATLAS MILL SITE	A0.012304V	2/23/2000	SEDIMENT	7440-62-2	Vanadium	11.1			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												Course	
E4	Soil	SITE	A0.012304V	2/23/2000	SEDIMENT	7440-66-6	Zinc	19.9		1	10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	ATLAS MILL SITE	A0.01297P	2/23/2000	SEDIMENT	7429-90-5	Aluminum	4290			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		- / /										_	
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0708	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.32			10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	ATLAS MILL SITE	A0.01297P	2/23/2000	SEDIMENT	7440-39-3	Barium	272			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												Coarse	
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.28	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.151	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
E10	G :1	ATLAS MILL	4.0.01207D	2/22/2000	CEDD (EXT	7440 70 2	0.1.	20.000			10/10/2000	DW	2051/6020		V
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7440-70-2	Calcium	20600			10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7440-47-3	Chromium	5.55			10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	ATLAS MILL SITE	A0.01297P	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.44	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7440-50-8	Copper	4.47	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7439-89-6	Iron	5940			10/18/2000	RW	3051/6020	Coarse	Yes
F10	0.0	ATLAS MILL	4.0.01207B	2/22/2000	CEDIMENT	7420.02.1	T 1	6.4			10/19/2000	DW	2051/6020	Coores	V
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7439-92-1	Lead	6.4			10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7439-95-4	Magnesium	3930			10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	ATLAS MILL SITE	A0.01297P	2/23/2000	SEDIMENT	7439-96-5	Manganese	187			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Ĭ								
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00792	U		3/20/2000	RW	7471A	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7440-02-0	Nickel	5.21			10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	ATLAS MILL SITE	A0.01297P	2/23/2000	SEDIMENT	7440-09-7	Potossines	1240			10/18/2000	RW	3051/6020	Conrec	Yes
E10	5011	ATLAS MILL	AU.0129/1	2/23/2000	SEDIMENT	/440-05-/	Potassium	1240	$\vdash$		10/18/2000	ΚW	3031/0020	Coarse	I es
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.33		<u> </u>	10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	ATLAS MILL SITE	A0.01297P	2/23/2000	SEDIMENT	7440-22-4	Silver	0.103	Е	3	8/25/2000	RW	3051/6020	Coarse	Yes
E10	g.:1	ATLAS MILL	40.012070	2/22/2000	CEDIMENT	7440 22 5	C - diam	425			10/19/2000	DW	2051/6020	C	
E10	Soil	SITE ATLAS MILL	A0.01297P	2/23/2000	SEDIMENT	7440-23-5	Sodium	435	E	5	10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0672	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:		Duoisst Names	NADEL Complette	Data Callastada	Motuina	CAS Number	Amaluta	Concentration (mg/kg	0	.1:6	Data Analyzad	Amalwat	Mathad	Toutunes	A utifo otos
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									C	Q					
E10	g 1	ATLAS MILL	A0.01297P	2/23/2000	CEDIA CENT	7440-62-2	37 1	12.1			10/18/2000	DW	2051/6020	)	37
E10	Soil	SITE ATLAS MILL	A0.0129/P	2/23/2000	SEDIMENT	/440-62-2	Vanadium	13.1		1	10/18/2000	RW	3051/6020	Coarse	Yes
E10	Soil	SITE	A0.01297P	2/23/2000	SEDIMENT	7440-66-6	Zinc	25.6			10/18/2000	RW	3051/6020	Coarse	Yes
MW	0.1	ATLAS MILL	A 0 01255D	2/22/2000	CEDIMENT	7429-90-5	A 1	14500			10/12/2000	DW	2051/6020	G	
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	/429-90-3	Aluminum	14500	H		10/12/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0873	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
Mary	g 11	ATLAS MILL	4.0.01255D	2/22/2000	GEDD (EVE	7440 20 2		5.6			10/11/2000	DW	2051/6020		
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.6	-	1	10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-39-3	Barium	147			10/11/2000	RW	3051/6020	Coarse	Yes
NOW.	g 1	ATLAS MILL	4.0.01255D	2/22/2000	CEDIA CENT	7440 41 7	D 11:	1.00			10/11/2000	DW	2051/6020	)	37
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	7440-41-7	Beryllium	1.08	-	1	10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.522	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
VON	g 1	ATLAS MILL	4.0.01255D	2/22/2000	CEDIA CENT	7440 70 2	G.1.:	25000			10/11/2000	DW	2051/6020	)	37
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	7440-70-2	Calcium	35900			10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-47-3	Chromium	19.1			10/11/2000	RW	3051/6020	Coarse	Yes
MW	0.1	ATLAS MILL	A 0 01255D	2/22/2000	CEDIMENT	7440 49 4	C-1-1	7.00	В		10/11/2000	DW	2051/6020	G	
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	7440-48-4	Cobalt	7.09	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-50-8	Copper	17.4			10/11/2000	RW	3051/6020	Coarse	Yes
MW	0.1	ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	7439-89-6	T	17600			10/11/2000	DW	2051/6020	G	
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	/439-89-0	Iron	17600	H		10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7439-92-1	Lead	16			10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	ATLAS MILL SITE	A0.01255D	2/23/2000	SEDIMENT	7439-95-4	Magnesium	13300			10/11/2000	RW	3051/6020	Coarse	Yes
IVI VV	3011	ATLAS MILL	A0.01233D	2/23/2000	SEDIMENT	7437-73-4	Magnesium	13300			10/11/2000	IX W	3031/0020	Coarse	165
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7439-96-5	Manganese	448			10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	ATLAS MILL SITE	A0.01255D	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0418	В		3/16/2000	RW	7471A	Coarse	Yes
101 00	3011	ATLAS MILL	A0.01233D	2/23/2000	SEDIMENT	7439-97-0	Wercury	0.0418	ь	'	3/10/2000	IX W	/4/1A	Coarse	1 es
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-02-0	Nickel	20.1			10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	ATLAS MILL SITE	A0.01255D	2/23/2000	SEDIMENT	7440-09-7	Potassium	4550			10/11/2000	RW	3051/6020	Coarse	Yes
IVI VV	5011	ATLAS MILL	A0.01233D	2/23/2000	SEDIMENT	7440-07-7	1 Otassium	4330			10/11/2000	KW	3031/0020	Coarse	1 03
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.03			10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	ATLAS MILL SITE	A0.01255D	2/23/2000	SEDIMENT	7440-22-4	Silver	1.08	В		8/24/2000	RW	3051/6020	Coarse	Yes
	5511	ATLAS MILL							Hľ					Coarse	
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-23-5	Sodium	4790	oxdot		10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	ATLAS MILL SITE	A0.01255D	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.393	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							ΙŤ						
MW	Soil	SITE ATLAS MILL	A0.01255D	2/23/2000	SEDIMENT	7440-62-2	Vanadium	33.9			10/11/2000	RW	3051/6020	Coarse	Yes
MW	Soil	SITE	A0.01255D	2/23/2000	SEDIMENT	7440-66-6	Zinc	69.8			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7429-90-5	Aluminum	21900			10/12/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Oı	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	, , , , ,	3													
									С	Q					
D2	Soil	ATLAS MILL SITE	A0.01260A	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0849	F		10/11/2000	RW	3051/6020	Coarse	Yes
D2	5011	ATLAS MILL	A0.01200A	2/23/2000	SEDIMENT	/440-30-0	Anumony	0.0649	1	)	10/11/2000	KW	3031/6020	Coarse	i es
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-38-2	Arsenic	7.05			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE ATLAS MILL	A0.01260A	2/23/2000	SEDIMENT	7440-39-3	Barium	209			10/11/2000	RW	3051/6020	Coarse	Yes
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-41-7	Beryllium	1.11			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.594	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
D2	Soil	ATLAS MILL SITE	A0.01260A	2/23/2000	SEDIMENT	7440-70-2	Calcium	33900			10/12/2000	RW	3051/6020	Coarse	Yes
- D2	DOII	ATLAS MILL	710.0120071	2/23/2000	SEDIMENT	7440 70 2	Cuicium	33700			10/12/2000	ICW	3031/0020	Course	1 03
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-47-3	Chromium	25.3			10/11/2000	RW	3051/6020	Coarse	Yes
Da	g.:1	ATLAS MILL	40.012604	2/22/2000	CEDIMENT	7440 49 4	G-114	7.50			10/11/2000	DW	2051/6020	G	V
D2	Soil	SITE ATLAS MILL	A0.01260A	2/23/2000	SEDIMENT	7440-48-4	Cobalt	7.58			10/11/2000	RW	3051/6020	Coarse	Yes
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-50-8	Copper	19.7			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					_								
D2	Soil	SITE ATLAS MILL	A0.01260A	2/23/2000	SEDIMENT	7439-89-6	Iron	19400			10/11/2000	RW	3051/6020	Coarse	Yes
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7439-92-1	Lead	22.7			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE ATLAS MILL	A0.01260A	2/23/2000	SEDIMENT	7439-95-4	Magnesium	14100		-	10/11/2000	RW	3051/6020	Coarse	Yes
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7439-96-5	Manganese	465			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0346	F	3	3/16/2000	RW	7471A	Coarse	Yes
D2	Soil	ATLAS MILL SITE	A0.01260A	2/23/2000	SEDIMENT	7440-02-0	Nickel	20.8			10/11/2000	RW	3051/6020	Coarse	Yes
	5011	ATLAS MILL	110.0120011	2/23/2000	BEB1111ETT1	7110 02 0	THERE	20.0			10/11/2000	1011	3021,0020	course	100
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-09-7	Potassium	5980			10/11/2000	RW	3051/6020	Coarse	Yes
D2	Soil	ATLAS MILL SITE	A0.01260A	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.07			10/11/2000	RW	3051/6020	Coarse	Yes
102	5011	ATLAS MILL	A0.01200A	2/23/2000	SEDIMENT	7762-47-2	Scientini	2.07	H		10/11/2000	ICVV	3031/0020	Coarse	1 03
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-22-4	Silver	0.335	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
D2	Soil	ATLAS MILL SITE	A0.01260A	2/23/2000	SEDIMENT	7440-23-5	Sodium	6920			10/11/2000	RW	3051/6020	Coarse	Yes
102	3011	ATLAS MILL	AU.01200A	4/43/4000	SEDIMENT	/++0-23-3	Souluiii	0920	H	1	10/11/2000	IX W	3031/0020	Coarse	1 08
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.36	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D2	01	ATLAS MILL	40.012604	2/22/2000	CEDIMENT	7440-62-2	Vonc 1:	50.9			10/11/2000	RW	2051/6020	Cas	Ver
D2	Soil	SITE ATLAS MILL	A0.01260A	2/23/2000	SEDIMENT	/440-02-2	Vanadium	30.9		-	10/11/2000	K.W	3051/6020	Coarse	Yes
D2	Soil	SITE	A0.01260A	2/23/2000	SEDIMENT	7440-66-6	Zinc	80.1			10/11/2000	RW	3051/6020	Coarse	Yes
D4	6.1	ATLAS MILL	10.012615	2/22/2006	CEDD (E)	7420 00 5	., .	12000			10/12/2003	DW	2051/6020	-	37
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7429-90-5	Aluminum	12800	H	-	10/12/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0826	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL	10.010615	2/22/2005	app n 453						40/44/2007	P.V.	2054/502	-	
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.4		-	10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7440-39-3	Barium	189			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL													
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.797		-	10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.431	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7440-70-2	Calcium	43600			10/11/2000	RW	3051/6020	Coarse	Yes
	Soil	ATLAS MILL SITE										RW			Yes
D4		ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-47-3	Chromium	17.7			10/11/2000		3051/6020	Coarse	res
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.55	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7440-50-8	Copper	15.5			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7439-89-6	Iron	16700			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7439-92-1	Lead	14.3			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7439-95-4	Magnesium	12200			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7439-96-5	Manganese	408			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0176	В		3/16/2000	RW	7471A	Coarse	Yes
		ATLAS MILL												Course	
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-02-0	Nickel	15.8			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7440-09-7	Potassium	3680			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.104	U		10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7440-22-4	Silver	0.131	В		8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL								1					
D4	Soil	SITE ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-23-5	Sodium	2620			10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	SITE	A0.01261B	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.245	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D4	Soil	ATLAS MILL SITE	A0.01261B	2/23/2000	SEDIMENT	7440-62-2	Vanadium	31			10/11/2000	RW	3051/6020	Coarse	Yes
D4	6.3	ATLAS MILL SITE				7440.66.6	7:				10/11/2000	DW			V
D4	Soil	ATLAS MILL	A0.01261B	2/23/2000	SEDIMENT	7440-66-6	Zinc	65.7			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7429-90-5	Aluminum	7880			10/12/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0713	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	ATLAS MILL SITE	A0.01271D	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.09			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7440-39-3	Barium	177	H	1	10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.498	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.396	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	ATLAS MILL SITE	A0.01271D	2/23/2000	SEDIMENT	7440-70-2	Calcium	34600			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť						
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-47-3	Chromium	9.8			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	0-11	ATLAS MILL	4.0.01271D	2/22/2000	CEDIMENT	7440.40.4	C-1-1	4.74	Б		10/11/2000	DW	2051/6020	G	V
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.74	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-50-8	Copper	11.3			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	6.7	ATLAS MILL	40.012717	2/22/2000	GEDD ÆNE	7420.00.6		11000			10/11/2000	DW	2051/6020		
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7439-89-6	Iron	11900			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7439-92-1	Lead	11.1			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	0.7	ATLAS MILL	4.0.01271D	2/22/2000	CEDD (EXT	7420.05.4		0000			10/11/2000	DW	2051/6020		
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7439-95-4	Magnesium	9900			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7439-96-5	Manganese	335			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	0-11	ATLAS MILL	A 0 01271D	2/22/2000	CEDIMENT	7420.07.6	M	0.0127			2/17/2000	DW	7471 4	G	V
D6	Soil	SITE ATLAS MILL	A0.01271D	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0137	В	1	3/16/2000	RW	7471A	Coarse	Yes
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-02-0	Nickel	11.7			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	ATLAS MILL SITE	A0.01271D	2/23/2000	SEDIMENT	7440-09-7	Potassium	2100			10/11/2000	RW	3051/6020	Coarse	Yes
D6	5011	ATLAS MILL	A0.012/1D	2/23/2000	SEDIMENT	/440-09-/	Potassium	2100	-		10/11/2000	K W	3031/6020	Coarse	i es
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.16			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	ATLAS MILL SITE	A0.01271D	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0595	В		8/24/2000	RW	3051/6020	Coarse	Yes
В0	3011	ATLAS MILL	A0.012/1D	2/23/2000	SEDIMENT	7440-22-4	Silvei	0.0373	- 1	'	8/24/2000	KW	3031/0020	Coarse	1 03
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-23-5	Sodium	2710			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	ATLAS MILL SITE	A0.01271D	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.17	В		10/11/2000	RW	3051/6020	Coarse	Yes
	Bon	ATLAS MILL	710.01271D	2/23/2000	SEDIMENT	7440 20 0	Thumum	0.17	- 1	<u>'</u>	10/11/2000	KW	3031/0020	coarse	1 03
D6	Soil	SITE	A0.01271D	2/23/2000	SEDIMENT	7440-62-2	Vanadium	22.3			10/11/2000	RW	3051/6020	Coarse	Yes
D6	Soil	ATLAS MILL SITE	A0.01271D	2/23/2000	SEDIMENT	7440-66-6	Zinc	48.6			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7429-90-5	Aluminum	10400	_		10/12/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0692	В	:	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.11			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-39-3	Barium	175			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.495	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.337	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL	10.01065	2 /22 /2006	ann m			22000			40/44/2005	P.111	2054/502	-	
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-70-2	Calcium	33900	$-\vdash$	-	10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-47-3	Chromium	13.3			10/11/2000	RW	3051/6020	Coarse	Yes
Do	0,:1	ATLAS MILL	A0.01265E	2/22/2000	CEDIMENT	7440 49 4	Co114	4.67			10/11/2000	DW	2051/6020	Cas	V
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.67	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-50-8	Copper	10			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL													
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7439-89-6	Iron	12200			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7439-92-1	Lead	11.8			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	ATLAS MILL SITE	A0.01265F	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7580			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	ATLAS MILL SITE	A0.01265F	2/23/2000	SEDIMENT	7439-96-5	Manganese	301			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Ĭ								
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.018	В		3/16/2000	RW	7471A	Coarse	Yes
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-02-0	Nickel	10.8			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-09-7	Potassium	2630			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	ATLAS MILL SITE	A0.01265F	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.26			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	ATLAS MILL SITE	A0.01265F	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0705	В		8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-23-5	Sodium	635	В		10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE ATLAS MILL	A0.01265F	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.182	В		10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	SITE	A0.01265F	2/23/2000	SEDIMENT	7440-62-2	Vanadium	29.4			10/11/2000	RW	3051/6020	Coarse	Yes
D8	Soil	ATLAS MILL SITE	A0.01265F	2/23/2000	SEDIMENT	7440-66-6	Zinc	49.2			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8100			10/12/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0954	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							- 1						
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.9			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7440-39-3	Barium	227			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.411	В		10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.502	В		10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7440-70-2	Calcium	28200			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7440-47-3	Chromium	8.68	$\vdash$		10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.36	В	<u> </u>	10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7440-50-8	Copper	8.3			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7439-89-6	Iron	10700			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7439-92-1	Lead	13.7			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7439-95-4	Magnesium	6130			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qι	ualifier	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL													
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7439-96-5	Manganese	291			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00863	U		3/16/2000	RW	7471A	Coarse	Yes
		ATLAS MILL						***************************************	Ť						
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7440-02-0	Nickel	8.24			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	ATLAS MILL SITE	A0.01266G	2/23/2000	SEDIMENT	7440-09-7	Potassium	2010			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.92			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7440-22-4	Silver	0.114	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7440-23-5	Sodium	1100			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.133	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D.1.0		ATLAS MILL	1001266	2 (22 (2000)	arra arra	5440 C2 2		266			40/44/2000	n	2054/5020		
D10	Soil	SITE ATLAS MILL	A0.01266G	2/23/2000	SEDIMENT	7440-62-2	Vanadium	26.6			10/11/2000	RW	3051/6020	Coarse	Yes
D10	Soil	SITE	A0.01266G	2/23/2000	SEDIMENT	7440-66-6	Zinc	48.7			10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	A0.01267H	2/23/2000	SEDIMENT	7429-90-5	A lyanainyana	3780			10/12/2000	RW	3051/6020	Caaraa	Vac
D13	5011	ATLAS MILL	A0.0120/H	2/23/2000	SEDIMENT	7429-90-3	Aluminum	3760			10/12/2000	I, W	3031/6020	Coarse	Yes
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0665	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	А0.01267Н	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.64			10/11/2000	RW	3051/6020	Coarse	Yes
D13	Son	ATLAS MILL	710.0120711	2/23/2000	DEDINERYI	7440 30 2	7 tr 3 cm c	2.04			10/11/2000	ICW	3031/0020	Course	1 03
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-39-3	Barium	145			10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	A0.01267H	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.22	l I <sub>F</sub>	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D15	Soil	SITE ATLAS MILL	A0.01267H	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.197	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-70-2	Calcium	17800			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		- / /											
D15	Soil	SITE ATLAS MILL	A0.01267H	2/23/2000	SEDIMENT	7440-47-3	Chromium	4.14	-		10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.78	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D16	0.11	ATLAS MILL	40.0126711	2/22/2000	CEDIMENT	7440.50.0	C	4.54			10/11/2000	DW	2051/6020	G	V
D15	Soil	SITE ATLAS MILL	A0.01267H	2/23/2000	SEDIMENT	7440-50-8	Copper	4.54	$\vdash$	1	10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7439-89-6	Iron	6630			10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	А0.01267Н	2/23/2000	SEDIMENT	7439-92-1	Lead	9.3			10/11/2000	RW	3051/6020	Coarse	Yes
1/13	5011	ATLAS MILL	A0.0120/11	414314000	SECTIMENT	1737-74-1	Leau	7.3	$\vdash$	1	10/11/2000	17. 77	3031/0020	Coarse	1 05
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7439-95-4	Magnesium	3300			10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	А0.01267Н	2/23/2000	SEDIMENT	7439-96-5	Manganese	195			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D15	Soil	SITE ATLAS MILL	A0.01267H	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00813	U	-	3/16/2000	RW	7471A	Coarse	Yes
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-02-0	Nickel	4.86	E	3	10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť						
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-09-7	Potassium	881			10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	А0.01267Н	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.793			10/11/2000	RW	3051/6020	Coarse	Yes
D13	3011	ATLAS MILL	A0.0120/11	2/23/2000	SEDIMENT	1182-49-2	Selemum	0.793			10/11/2000	IX W	3031/0020	Coarse	i es
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0345	В		8/24/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	А0.01267Н	2/23/2000	SEDIMENT	7440-23-5	Sodium	734			10/11/2000	RW	3051/6020	Coarse	Yes
D13	3011	ATLAS MILL	A0.0120/11	2/23/2000	SEDIMENT	7440-23-3	Socium	754			10/11/2000	KW	3031/0020	Coarse	1 03
D15	Soil	SITE	A0.01267H	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.064	В		10/11/2000	RW	3051/6020	Coarse	Yes
D15	Soil	ATLAS MILL SITE	А0.01267Н	2/23/2000	SEDIMENT	7440-62-2	Vanadium	18.5			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D15	Soil	SITE ATLAS MILL	A0.01267H	2/23/2000	SEDIMENT	7440-66-6	Zinc	33.1			10/11/2000	RW	3051/6020	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7429-90-5	Aluminum	12600			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0894	В		10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.64			10/18/2000	RW	3051/6020	Coarse	Yes
7.00	a :1	ATLAS MILL		2 (22 (2000)	arra arra arra arra arra arra arra arr	#440.00 A	ъ.	202			40/40/2000	P.111	2054/5020		
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7440-39-3	Barium	202			10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.729			10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	ATLAS MILL SITE	A0.01305W	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.463	В		10/18/2000	RW	3051/6020	Coarse	Yes
D20	5011	ATLAS MILL	A0.01303 W	2/23/2000	SEDIMENT	/440-43-9	Cadillulli	0.403	ь		10/18/2000	K W	3031/6020	Coarse	i es
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-70-2	Calcium	46000			10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	ATLAS MILL SITE	A0.01305W	2/23/2000	SEDIMENT	7440-47-3	Chromium	13.6			10/18/2000	RW	3051/6020	Coarse	Yes
D20	Bon	ATLAS MILL	710.01303 W	2/23/2000	BEDIMENT	7440 47 3	Cinomium	13.0			10/10/2000	KW	3031/0020	coarse	1 03
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.03	В		10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	ATLAS MILL SITE	A0.01305W	2/23/2000	SEDIMENT	7440-50-8	Copper	15.9			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7439-89-6	Iron	15700	_		10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7439-92-1	Lead	15.8			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11400	_		10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7439-96-5	Manganese	333			10/18/2000	RW	3051/6020	Coarse	Yes
D20	0.:1	ATLAS MILL	40.01205W	2/22/2006	CEDIMENT	7420.07.6	M	0.0542	В		2/20/2000	DW	7471 4	C	V
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0542	В		3/20/2000	RW	7471A	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-02-0	Nickel	16.1			10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	ATLAS MILL SITE	A0.01305W	2/23/2000	SEDIMENT	7440-09-7	Potassium	3350			10/18/2000	RW	3051/6020	Coarse	Yes
1020	5011	ATLAS MILL	A0.01303 W	2/23/2000	DEDIMENT	/440-07-7	1 Ottosituili	3330	-		10/10/2000	17.11	5051/0020	Coarse	1 03
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.85			10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	ATLAS MILL SITE	A0.01305W	2/23/2000	SEDIMENT	7440-22-4	Silver	0.206	В		8/25/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť	`					
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-23-5	Sodium	572	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.252	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
D20	Soil	SITE	A0.01305W	2/23/2000	SEDIMENT	7440-62-2	Vanadium	35			10/18/2000	RW	3051/6020	Coarse	Yes
D.00	a ::	ATLAS MILL		0/00/0000	arra en en en	#140.cc.c	· ·				40/40/2000	P.111	2054/5020		**
D20	Soil	SITE ATLAS MILL	A0.01305W	2/23/2000	SEDIMENT	7440-66-6	Zinc	64.6	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7429-90-5	Aluminum	5890			10/20/2000	RW	3051/6020	Coarse	Yes
CHIV	NG	ATLAS MILL	4.0.01200D	2/22/2000	CEDD (EXT	7440.26.0		0.0522			10/10/2000	DW	2051/6020		
CHW	NS	SITE ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0523	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.43			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL	4.0.01200B	2/22/2000	CEDIMENT	7440.20.2	Danisas	117			10/19/2000	DW	2051/6020	G	V
CHW	NS	SITE ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7440-39-3	Barium	117	-	-	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.394	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL SITE	A0.01299R	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.184	Е	,	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL	A0.01299K	2/23/2000	SEDIMENT	/440-43-9	Cadilliulli	0.164	Е	,	10/18/2000	ΚW	3031/6020	Coarse	res
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-70-2	Calcium	29900			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL SITE	A0.01299R	2/23/2000	SEDIMENT	7440-47-3	Chromium	5.2			10/18/2000	RW	3051/6020	Coarse	Yes
CIIW	145	ATLAS MILL	A0.01277K	2/23/2000	SEDIMENT	7440-47-5	Cinomium	5.2			10/18/2000	KW	3031/0020	Coarse	1 03
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.35	Е	3	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL SITE	A0.01299R	2/23/2000	SEDIMENT	7440-50-8	Copper	8.18			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					соррег							Course	103
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7439-89-6	Iron	5970			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL SITE	A0.01299R	2/23/2000	SEDIMENT	7439-92-1	Lead	6.38			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
CHW	NS	SITE ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7439-95-4	Magnesium	3960			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7439-96-5	Manganese	273			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
CHW	NS	SITE ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0134	Е	3	3/20/2000	RW	7471A	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-02-0	Nickel	5.64			10/18/2000	RW	3051/6020	Coarse	Yes
	N/G	ATLAS MILL	1.0.01 <b>0</b> 00D	0/00/0000	arra en en en	5440 00 5		1000			40/40/2000	P.111	2054/5020		**
CHW	NS	SITE ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7440-09-7	Potassium	1990	-	+	10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.28			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL SITE	A 0 01200P	2/22/2000	CEDIMENT	7440 22 4	Cilvon	0.0657	Е	,  _	8/25/2000	DW	2051/6020	Coorne	Vac
CHW	IND	ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0057	E	,	8/25/2000	RW	3051/6020	Coarse	Yes
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-23-5	Sodium	834			10/18/2000	RW	3051/6020	Coarse	Yes
CHW	NS	ATLAS MILL SITE	A0.01299R	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.103	F	,	10/18/2000	RW	3051/6020	Coarse	Yes
CIIW	140	ATLAS MILL	AU.01277K	414314000	SECTIMENT	/ 170-20-0	1 1141114111	0.103	E	1	10/10/2000	IX VV	3031/0020	Coarse	1 02
CHW	NS	SITE	A0.01299R	2/23/2000	SEDIMENT	7440-62-2	Vanadium	11.2			10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL												_	
CHW	NS	SITE ATLAS MILL	A0.01299R	2/23/2000	SEDIMENT	7440-66-6	Zinc	24.6			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7429-90-5	Aluminum	16900			10/20/2000	RW	3051/6020	Coarse	Yes
HWW 101	NG	ATLAS MILL	10.012021/	2/22/2000	CEDD (EXT	7440.26.0		0.103			10/10/2000	DW	2051/6020		W.
HWY 191	NS	SITE ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.103	В		10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-38-2	Arsenic	6.08			10/18/2000	RW	3051/6020	Coarse	Yes
HWW 101	NC	ATLAS MILL	A O 012021/	2/22/2000	CEDIMENT	7440.20.2	Danisana	106			10/19/2000	DW	2051/6020	G	V
HWY 191	NS	SITE ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	7440-39-3	Barium	186			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.998			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01293K	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.453	В		10/18/2000	RW	3051/6020	Coarse	Yes
11W 1 171	145	ATLAS MILL	A0.01273K	2/23/2000	SEDIMENT	7440-43-7	Caumum	0.433	В	1	10/18/2000	KW	3031/0020	Coarse	1 03
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-70-2	Calcium	43500			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01293K	2/23/2000	SEDIMENT	7440-47-3	Chromium	21.5			10/18/2000	RW	3051/6020	Coarse	Yes
11,1,1,1,1	110	ATLAS MILL	110.012/311	2/23/2000	ODDINIDI(1	71.10 1.7 3	Cinomiani				10/10/2000	1011	3031/0020	Course	100
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.99	В	:	10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01293K	2/23/2000	SEDIMENT	7440-50-8	Copper	18.1			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
HWY 191	NS	SITE ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	7439-89-6	Iron	18100			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7439-92-1	Lead	17.1			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		- / /										_	
HWY 191	NS	SITE ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11400			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7439-96-5	Manganese	355			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01293K	2/23/2000	SEDIMENT	7439-97-6	Маналинг	0.028	В		3/20/2000	RW	7471A	Coarse	Yes
HW 1 191	NS	ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	/439-97-0	Mercury	0.028	ь	1	3/20/2000	K W	/4/1A	Coarse	i es
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-02-0	Nickel	17.8			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01293K	2/23/2000	SEDIMENT	7440-09-7	Potassium	4550			10/18/2000	RW	3051/6020	Coarse	Yes
11 W 1 171	110	ATLAS MILL	710.0129310	2/23/2000	SEDIMENT	7440 07 7	1 ottassium	4330			10/10/2000	KW	3031/0020	coarse	1 03
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.64			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	ATLAS MILL SITE	A0.01293K	2/23/2000	SEDIMENT	7440-22-4	Silver	0.123	В	:	8/25/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
HWY 191	NS	SITE ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	7440-23-5	Sodium	629	В	-	10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.286	В		10/18/2000	RW	3051/6020	Coarse	Yes
THANK 10:	NG	ATLAS MILL	10.0120217	2/22/2006	GEDD (E)	7440 (2.2	77 1:	40.0			10/10/2006	DW	2051/6022		
HWY 191	NS	SITE ATLAS MILL	A0.01293K	2/23/2000	SEDIMENT	7440-62-2	Vanadium	40.9			10/18/2000	RW	3051/6020	Coarse	Yes
HWY 191	NS	SITE	A0.01293K	2/23/2000	SEDIMENT	7440-66-6	Zinc	71.1			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7429-90-5	Aluminum	19500			10/20/2000	RW	3051/6020	Coarse	Yes
UA	CNI	ATLAS MILL	A0.01301K	2/23/2000	GEDIMENT	/ <del>1</del> 427-7U-3	Alummulli	17300			10/20/2000	IX VV	5051/0020	Coarse	1 65
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0961	В	:	10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL													
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7440-38-2	Arsenic	7.93			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-39-3	Barium	301			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.82		-	10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.482	В	3	10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7440-70-2	Calcium	45200			10/18/2000	RW	3051/6020	Coarse	Yes
UA	No	ATLAS MILL	A0.01301K	2/23/2000	SEDIMENT	/440-/0-2	Calcium	43200			10/18/2000	IX VV	3031/0020	Coarse	1 65
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-47-3	Chromium	24.9			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.1	В	,	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7440-50-8	Copper	14.9			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7439-89-6	Iron	17800			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7439-92-1	Lead	14.6			10/18/2000	RW	3051/6020	Coarse	Yes
UA	No	ATLAS MILL	A0.01301K	2/23/2000	SEDIMENT	/439-92-1	Leau	14.0			10/18/2000	IX VV	3031/0020	Coarse	1 65
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7439-95-4	Magnesium	12700			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7439-96-5	Manganese	338			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0211	В	3	3/20/2000	RW	7471A	Coarse	Yes
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-02-0	Nickel	16.6			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7440-09-7	Potassium	5290			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL	A0.01301K	2/23/2000	SEDIMENT	7440-07-7	1 Otassium				10/18/2000		3031/0020	Coarse	103
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.69			10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-22-4	Silver	0.252	В	3	8/25/2000	RW	3051/6020	Coarse	Yes
	210	ATLAS MILL	1001201P	2 (22 (2000)	arra en en	7440.00.5	a "				40/40/2000	D.V.	2054/5020		
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7440-23-5	Sodium	583	В	3	10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	SITE	A0.01301R	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.308	В	3	10/18/2000	RW	3051/6020	Coarse	Yes
UX	NS	ATLAS MILL SITE	A0.01301R	2/23/2000	SEDIMENT	7440-62-2	Vanadium	67.7			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							H						
UX	NS	SITE ATLAS MILL	A0.01301R	2/23/2000	SEDIMENT	7440-66-6	Zinc	64.3	_	-	10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7429-90-5	Aluminum	20000			10/20/2000	RW	3051/6020	Coarse	Yes
LIV	1	ATLAS MILL	A 0 01202T	2/22/2006	CEDIMENT	7440.26.0	A	0.115	-		10/10/2000	DW	2051/6020	C	V
UX	1	SITE ATLAS MILL	A0.01302T	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.115	B	-	10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-38-2	Arsenic	11.6			10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	ATLAS MILL SITE	A0.01302T	2/23/2000	SEDIMENT	7440-39-3	Barium	186			10/18/2000	RW	3051/6020	Coarse	Yes
	-	ATLAS MILL								1					
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.905	В	3	10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

GII . G															
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	ο.	ualifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
ъ.	Strata (III)	1 Toject Ivanic.	TAKEE Sample #.	Date Concettu.	Matrix.	CAS Number	Analyte	ury)	Ųι	lainiers	Date Analyzeu	Analyst	Method	Texture.	Artifacts.
									C	Q					
		ATLAS MILL													
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.506	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	ATLAS MILL SITE	A0.01302T	2/23/2000	SEDIMENT	7440-70-2	Calcium	44200			10/18/2000	RW	3051/6020	Coarse	Yes
UA	1	ATLAS MILL	A0.013021	2/23/2000	SEDIMENT	7440-70-2	Calcium	44200			10/18/2000	ICVV	3031/0020	Coarse	103
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-47-3	Chromium	20			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.56	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	ATLAS MILL	A 0 01202T	2/23/2000	SEDIMENT	7440-50-8	G	20.1			10/18/2000	RW	3051/6020	G	V
UA	1	SITE ATLAS MILL	A0.01302T	2/23/2000	SEDIMENT	/440-30-8	Copper	20.1			10/18/2000	KW	3031/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7439-89-6	Iron	19800			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7439-92-1	Lead	18.5			10/18/2000	RW	3051/6020	Coarse	Yes
1137		ATLAS MILL	4 0 01202T	2/22/2000	GEDD ÆNE	7420.05.4		11200			10/10/2000	DW	2051/6020	a.	37
UX	1	SITE ATLAS MILL	A0.01302T	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11300		-	10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7439-96-5	Manganese	351			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0304	E	3	3/20/2000	RW	7471A	Coarse	Yes
		ATLAS MILL		2/22/2000	ann an an	#440.0 <b>2</b> .0		45.0			40/40/2000		2051/5020		
UX	1	SITE ATLAS MILL	A0.01302T	2/23/2000	SEDIMENT	7440-02-0	Nickel	17.3			10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-09-7	Potassium	4390			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10.70			10,10,200				
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.97			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		0/00/0000	ann an an	= 440 <b>22</b> 4	a.,	0.446	l I.		0/25/2000		2051/5020		**
UX	1	SITE ATLAS MILL	A0.01302T	2/23/2000	SEDIMENT	7440-22-4	Silver	0.146	E	3	8/25/2000	RW	3051/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-23-5	Sodium	1230			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.339	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
1137		ATLAS MILL	4 0 01202T	2/22/2000	GEDD ÆNE	7440 (2.2	37 1:	02.1			10/10/2000	DW	2051/6020	a.	37
UX	1	SITE ATLAS MILL	A0.01302T	2/23/2000	SEDIMENT	7440-62-2	Vanadium	83.1		-	10/18/2000	RW	3051/6020	Coarse	Yes
UX	1	SITE	A0.01302T	2/23/2000	SEDIMENT	7440-66-6	Zinc	79.4			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7429-90-5	Aluminum	16900			10/17/2000	RW	3051/6020	Coarse	Yes
	210	ATLAS MILL		0/00/0000	ann an an	#440.0c.0		0.0500	l I.		40/46/2000		2051/5020		**
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0688	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.67			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							t t						
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-39-3	Barium	258			10/16/2000	RW	3051/6020	Coarse	Yes
IIC.	NG	ATLAS MILL	40.01201E	2/22/2000	CEDIMENT	7440 41 7	D11:	0.000			10/16/2002	DW	2051/6020	G	V
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.868	┢	+	10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.373	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							Ħ						
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-70-2	Calcium	38100			10/16/2000	RW	3051/6020	Coarse	Yes
II.C	Nic	ATLAS MILL	A0.01201E	2/22/2000	CEDIMENT	7440 47 2	Characterist	20.7			10/17/2000	D117	2051/6020	Cas	V
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-47-3	Chromium	20.7			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qı	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL													
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.65	I	3	10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-50-8	Copper	13.4			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7439-89-6	Iron	15500		-	10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7439-92-1	Lead	13.3			10/16/2000	RW	3051/6020	Coarse	Yes
	210	ATLAS MILL	10010017	2 (22 (2000)	arra arra	#400 OF 4		40000			40/45/2000	D.V.	2054/5020		
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7439-95-4	Magnesium	10300			10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7439-96-5	Manganese	323			10/16/2000	RW	3051/6020	Coarse	Yes
LIC	NC	ATLAS MILL	A0.01281F	2/22/2000	CEDIMENT	7439-97-6	M	0.00908	II		2/17/2000	DW	7471 4	G	V
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	/439-97-0	Mercury	0.00908	U	1	3/17/2000	RW	7471A	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-02-0	Nickel	14.5			10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	ATLAS MILL SITE	A0.01281F	2/23/2000	SEDIMENT	7440-09-7	Potassium	4940			10/16/2000	RW	3051/6020	Coarse	Yes
- 00	145	ATLAS MILL	A0.012011	2/23/2000	SEDIMENT	7440-07-7	1 Ottassium	4740			10/10/2000	ICVV	3031/0020	Coarse	1 03
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.78			10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	ATLAS MILL SITE	A0.01281F	2/23/2000	SEDIMENT	7440-22-4	Silver	0.175	F	3	8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7440-23-5	Sodium	1300			10/17/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.246	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
	210	ATLAS MILL	10010017	2 (22 (2000)	arra arra	#440 CD D					40/45/2000	D.V.	2054/5020		
UG	NS	SITE ATLAS MILL	A0.01281F	2/23/2000	SEDIMENT	7440-62-2	Vanadium	41.4			10/16/2000	RW	3051/6020	Coarse	Yes
UG	NS	SITE	A0.01281F	2/23/2000	SEDIMENT	7440-66-6	Zinc	56.7			10/16/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7429-90-5	Aluminum	15100			10/20/2000	RW	3051/6020	Coarse	Yes
- 04	IND	ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7425-50-3	Alummum	13100			10/20/2000	IX VV	3031/0020	Coarse	1 65
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.113	I	3	10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.5			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Tilgelile							Course	103
U4	NS	SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7440-39-3	Barium	178		-	10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.826			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U4	NS	SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.461	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7440-70-2	Calcium	39100			10/18/2000	RW	3051/6020	Coarse	Yes
114	Nic	ATLAS MILL SITE	A0.01290G	2/23/2000	CEDIMENT	7440 47 2	Chromina	19.5			10/18/2000	pw/	2051/6020	Cooree	Vaa
U4	NS	ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7440-47-3	Chromium	19.3	++	+	10/16/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.49	F	3	10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7440-50-8	Copper	17.1		1	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					сорре.			1				Compe	
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7439-89-6	Iron	17200			10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť	Ì					
U4	NS	SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7439-92-1	Lead	16.5			10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11900			10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7439-96-5	Manganese	364			10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL				7420 07 6		0.271	В		3/20/2000	RW	7471A	Coarse	
		SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7439-97-6	Mercury		ь						Yes
U4	NS	SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7440-02-0	Nickel	17.1		-	10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7440-09-7	Potassium	4030			10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.68			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U4	NS	SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7440-22-4	Silver	0.126	В		8/25/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE ATLAS MILL	A0.01290G	2/23/2000	SEDIMENT	7440-23-5	Sodium	1270			10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	SITE	A0.01290G	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.273	В		10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7440-62-2	Vanadium	36.3			10/18/2000	RW	3051/6020	Coarse	Yes
U4	NS	ATLAS MILL SITE	A0.01290G	2/23/2000	SEDIMENT	7440-66-6	Zinc	69			10/18/2000	RW	3051/6020	Coarse	Yes
	INS	ATLAS MILL					ZIIIC							Coarse	
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7429-90-5	Aluminum	15800			10/20/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.179	В		10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.24			10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7440-39-3	Barium	196			10/18/2000	RW	3051/6020	Coarse	Yes
	•	ATLAS MILL													
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.818		-	10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.454	В		10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7440-70-2	Calcium	40200			10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7440-47-3	Chromium	19.1			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.44	В	1	10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7440-50-8	Copper	12.9		-	10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7439-89-6	Iron	16500			10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7439-92-1	Lead	13.9			10/18/2000	RW	3051/6020	Coarse	Yes
	1	ATLAS MILL													
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11300		+	10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7439-96-5	Manganese	332			10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

GII . I G															
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	O	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
ш.	Strata (III)	1 roject (vanie.	TATALLE Sample ".	Date Conceteu.	Matrix.	CAS Number	rinaryte	ury)	Ųί		Date Maryzeu	Amaryst	Method	rexture.	muits.
									C	Q					
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7439-97-6	Manager	0.174	l I <sub>F</sub>	,	3/20/2000	RW	7471A	Coarse	Yes
- 04	1	ATLAS MILL	A0.01289F	2/23/2000	SEDIMENT	/439-97-0	Mercury	0.174		)	3/20/2000	KW	/4/1A	Coarse	i es
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7440-02-0	Nickel	13.9			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7440-09-7	Potassium	4180	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.37			10/18/2000	RW	3051/6020	Coarse	Yes
_		ATLAS MILL													
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7440-22-4	Silver	0.267	E	3	8/25/2000	RW	3051/6020	Coarse	Yes
U4	1	ATLAS MILL SITE	A0.01289P	2/23/2000	SEDIMENT	7440-23-5	Sodium	1020			10/18/2000	RW	3051/6020	Coarse	Yes
- 04	1	ATLAS MILL	A0.012071	2/23/2000	SEDIMENT	7440-23-3	Socium	1020			10/18/2000	KW	3031/0020	Coarse	1 03
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.385	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
774		ATLAS MILL	4 0 01200P	2/22/2000	GEDD (EVE	7440 62 2	37 1	25.0			10/10/2000	DW	2051/6020		
U4	1	SITE ATLAS MILL	A0.01289P	2/23/2000	SEDIMENT	7440-62-2	Vanadium	35.9	-		10/18/2000	RW	3051/6020	Coarse	Yes
U4	1	SITE	A0.01289P	2/23/2000	SEDIMENT	7440-66-6	Zinc	56.8			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U2	NS	SITE ATLAS MILL	A0.01286L	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8310		-	10/17/2000	RW	3051/6020	Coarse	Yes
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0666	l l <sub>E</sub>	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.18			10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	ATLAS MILL SITE	A0.01286L	2/23/2000	SEDIMENT	7440-39-3	Barium	209			10/16/2000	RW	3051/6020	Coarse	Yes
- 02	140	ATLAS MILL	710.01200E	2/23/2000	GEDINENT	7440 37 3	Burtum	20)			10/10/2000	KW	3031/0020	Course	163
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.599	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	ATLAS MILL SITE	A0.01286L	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.4	F		10/16/2000	RW	3051/6020	Coarse	Yes
02	NS	ATLAS MILL	A0.01280L	2/23/2000	SEDIMENT	/440-43-9	Cadilliulli	0.4		,	10/10/2000	IX W	3031/0020	Coarse	1 es
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7440-70-2	Calcium	42700			10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	ATLAS MILL SITE	A0.01286L	2/23/2000	SEDIMENT	7440-47-3	Chromium	11.8			10/16/2000	RW	3051/6020	Coarse	Vac
02	No	ATLAS MILL	A0.01280L	2/23/2000	SEDIMENT	/440-47-3	Cilioinium	11.6			10/16/2000	K W	3031/6020	Coarse	Yes
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.65	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
112	NG	ATLAS MILL SITE	10.012061	2/22/2000	GEDD ÆNE	7440.50.0		15.1			10/16/2000	DW	2051/6020	ā	
U2	NS	ATLAS MILL	A0.01286L	2/23/2000	SEDIMENT	7440-50-8	Copper	15.1			10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7439-89-6	Iron	14200			10/16/2000	RW	3051/6020	Coarse	Yes
	210	ATLAS MILL		2 /22 /2000	ann an an	#400 00 4					40/45/2000	P. 11	2051/5020		**
U2	NS	SITE ATLAS MILL	A0.01286L	2/23/2000	SEDIMENT	7439-92-1	Lead	14.2	$\vdash$		10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7439-95-4	Magnesium	10900			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL						_				_		_	
U2	NS	SITE ATLAS MILL	A0.01286L	2/23/2000	SEDIMENT	7439-96-5	Manganese	364	$\vdash \vdash$	-	10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00979	E	3	3/17/2000	RW	7471A	Coarse	Yes
		ATLAS MILL													
U2	NS	SITE ATLAS MILL	A0.01286L	2/23/2000	SEDIMENT	7440-02-0	Nickel	14.7	┝	-	10/16/2000	RW	3051/6020	Coarse	Yes
U2	NS	SITE	A0.01286L	2/23/2000	SEDIMENT	7440-09-7	Potassium	2350			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

C Q   Co   Co   Co   Co   Co   Co   Co																
D12   Strata (m)   Project Name:   NAREL Sample & Date Collected:   Matrix:   CAS Number   Analyte   dry   Qualifier   Date Analyze   Analyze								Concentration (mg/kg								Client Sample
U2	e: Artifacts:	Texture:	Method	Analyst	Date Analyzed	alifiers	Qu	, , ,	Analyte	CAS Number	Matrix:	Date Collected:	NAREL Sample #:	Project Name:		
U2 NS SITE   A001286L   2232000   SEDIMENT   782-49-2   Selenum   1.6     10162000   RW   30516020   Cor						0	C									
U2 NS   STE   A0.012861,   223.2000   SEDIMENT   774-0-2   Selenium   1.6   1016/2000   RW   3051/6020   Cot			ĺ			`	Ť							ATLAS MILL		
U2 NS   STE   A0.01286L   223/2000   SEDIMENT   7440-224   Silver   0.0965   B   8,24/2000   RW   3051/6020   Cor	e Yes	Coarse	3051/6020	RW	10/16/2000			1.6	Selenium	7782-49-2	SEDIMENT	2/23/2000	A0.01286L		NS	U2
U2 NS SITE																
U2 NS   SITE   A0.01286L   2232000   SEDIMENT   7440-25-5   Sodium   1080   1017/2000   RW   3051/0020   Cot	e Yes	Coarse	3051/6020	RW	8/24/2000		В	0.0965	Silver	7440-22-4	SEDIMENT	2/23/2000	A0.01286L		NS	U2
U2	e Yes	Coarse	3051/6020	RW	10/17/2000			1080	Sodium	7440-23-5	SEDIMENT	2/23/2000	A0.01286L		NS	U2
NS   STE   A001286L   27372000   SEDIMENT   7440-62-2   Vanadium   25.4     10/16/2000   RW   3051/6020   Cot	e Yes	Coarse	3051/6020	p.w	10/16/2000		P	0.171	Thallium	7440-28-0	SEDIMENT	2/23/2000	A0.01286I		NS	112
Value														ATLAS MILL		
U2 NS   SITE   A0.01286L   223/2000   SEDIMENT   7440-66-6   Zine   60.2   10/16/2000   RW   3051/6020   Coresistance   Core	e Yes	Coarse	3051/6020	RW	10/16/2000			25.4	Vanadium	7440-62-2	SEDIMENT	2/23/2000	A0.01286L		NS	U2
E4 NS   SITE   A0.01294L   223/2000   SEDIMENT   7429-90-5   Aluminum   6480   10/20/2000   RW   3051/6020   Cot	e Yes	Coarse	3051/6020	RW	10/16/2000			60.2	Zinc	7440-66-6	SEDIMENT	2/23/2000	A0.01286L	SITE	NS	U2
ATLAS MILL   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-36-0   Antimony   0.0872   B   10/18/2000   RW   3051/6020   Cor																
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-36-0   Antimony   0.0872   B   10/18/2000   RW   3051/6020   Cot	e Yes	Coarse	3051/6020	RW	10/20/2000		$\vdash$	6480	Aluminum	7429-90-5	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4	e Yes	Coarse	3051/6020	RW	10/18/2000		В	0.0872	Antimony	7440-36-0	SEDIMENT	2/23/2000	A0.01294L	SITE	NS	E4
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-39-3   Barium   138   10/18/2000   RW   3051/6020   Cot	e Yes	Coarse	3051/6020	RW	10/18/2000			4 75	Arsenic	7440-38-2	SEDIMENT	2/23/2000	A0 01294L		NS	F4
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-41-7   Beryllium   0.459   B   10/18/2000   RW   3051/6020   Cot														ATLAS MILL		
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-41-7   Beryllium   0.459   B   10/18/2000   RW   3051/6020   Cot	e Yes	Coarse	3051/6020	RW	10/18/2000		$\vdash$	138	Barium	7440-39-3	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-43-9   Cadmium   0.318   B   10/18/2000   RW   3051/6020   Coc	e Yes	Coarse	3051/6020	RW	10/18/2000		В	0.459	Beryllium	7440-41-7	SEDIMENT	2/23/2000	A0.01294L	SITE	NS	E4
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-70-2   Calcium   34000   10/18/2000   RW   3051/6020   Cost	e Yes	Coarse	3051/6020	RW	10/18/2000		R	0.318	Cadmium	7440-43-9	SEDIMENT	2/23/2000	A0 01294I		NS	F4
E4	. 103	Course	3031/0020	ICW	10/10/2000			0.510	Cudinium	7440 43 7	SEDIMENT	2/23/2000	710.012542		110	L
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7440-47-3   Chromium   8.95   10/18/2000   RW   3051/6020   Cost	e Yes	Coarse	3051/6020	RW	10/18/2000			34000	Calcium	7440-70-2	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7440-48-4 Cobalt 4.31 B 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7440-50-8 Copper 9.95 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-89-6 Iron 10700 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-92-1 Lead 10.9 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-95-4 Magnesium 6990 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-96-5 Manganese 259 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-96-5 Manganese 259 10/18/2000 RW 3051/6020 Cox  ATLAS MILL E5 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-96-5 Manganese 259 10/18/2000 RW 3051/6020 Cox  ATLAS MILL SITE A0.01294L 2/23/2000 SEDIMENT 7439-97-6 Mercury 0.0251 B 3/20/2000 RW 7471A Cox	e Yes	Coarse	3051/6020	RW	10/18/2000			8.95	Chromium	7440-47-3	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4	e Yes	Coarse	2051/6020	DW	10/19/2000		D	4.21	Coholt	7440 48 4	CEDIMENT	2/23/2000	A 0 01204I		NC	EΛ
E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7440-50-8         Copper         9.95         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-89-6         Iron         10700         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-92-1         Lead         10.9         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-95-4         Magnesium         6990         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-96-5         Manganese         259         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-97-6         Mercury         0.0251         B         3/20/2000         RW         7471A         Cox	165	Coarse	3031/0020	KW	10/18/2000		ь	4.31	Cobait	/440-48-4	SEDIMENT	2/23/2000	A0.01294L		IND	E4
E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-89-6         Iron         10700         10/18/2000         RW         3051/6020         Coc           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-92-1         Lead         10.9         10/18/2000         RW         3051/6020         Coc           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-95-4         Magnesium         6990         10/18/2000         RW         3051/6020         Coc           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-96-5         Manganese         259         10/18/2000         RW         3051/6020         Coc           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-96-5         Manganese         259         10/18/2000         RW         3051/6020         Coc           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-97-6         Mercury         0.0251         B         3/20/2000         RW         7471A         Coc	e Yes	Coarse	3051/6020	RW	10/18/2000			9.95	Copper	7440-50-8	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4         NS         ATLAS MILL SITE         A0.01294L         2/23/2000         SEDIMENT         7439-92-1         Lead         10.9         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-95-4         Magnesium         6990         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-96-5         Manganese         259         10/18/2000         RW         3051/6020         Cox           E4         NS         SITE         A0.01294L         2/23/2000         SEDIMENT         7439-96-5         Mercury         0.0251         B         3/20/2000         RW         7471A         Cox	e Yes	Coarse	3051/6020	RW	10/18/2000			10700	Iron	7439-89-6	SEDIMENT	2/23/2000	A0 01294L		NS	F4
E4 NS   SITE   A0.01294L   2/23/2000   SEDIMENT   7439-95-4   Magnesium   6990   10/18/2000   RW   3051/6020   Cost					10.10.200									ATLAS MILL		
E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-95-4 Magnesium 6990 10/18/2000 RW 3051/6020 Cox  ATLAS MILL  ATLAS MILL  ATLAS MILL  ATLAS MILL  ATLAS MILL  ATLAS MILL  ATLAS MILL  2/23/2000 SEDIMENT 7439-96-5 Manganese 259 10/18/2000 RW 3051/6020 Cox  ATLAS MILL  ATLAS MILL  2/23/2000 SEDIMENT 7439-97-6 Mercury 0.0251 B 3/20/2000 RW 7471A Cox	e Yes	Coarse	3051/6020	RW	10/18/2000			10.9	Lead	7439-92-1	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-96-5 Manganese 259 10/18/2000 RW 3051/6020 Coa ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-97-6 Mercury 0.0251 B 3/20/2000 RW 7471A Coa	e Yes	Coarse	3051/6020	RW	10/18/2000			6990	Magnesium	7439-95-4	SEDIMENT	2/23/2000	A0.01294L		NS	E4
ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7439-97-6 Mercury 0.0251 B 3/20/2000 RW 7471A Coa	e Yes	Coarse	3051/6020	pw	10/19/2000			250	Manganaga	7/30 06 5		2/23/2000	A0 012041		Ne	EA
									ivianganese					ATLAS MILL		
A   LAS MILL	e Yes	Coarse	7471A	RW	3/20/2000		В	0.0251	Mercury	7439-97-6	SEDIMENT	2/23/2000	A0.01294L		NS	E4
	e Yes	Coarse	3051/6020	RW	10/18/2000			10.6	Nickel	7440-02-0	SEDIMENT	2/23/2000	A0.01294L		NS	E4
ATLAS MILL ATLAS MILL				DW	10/19/2000			1760		7440 00 7					NC	E4
E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7440-09-7 Potassium 1760 10/18/2000 RW 3051/6020 Coa ATLAS MILL	e Yes	Coarse	3031/6020	KW	10/18/2000		$\vdash$	1/00	Potassium	/440-09-/	SEDIMENT	2/23/2000	A0.01294L		IND	E4
E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7782-49-2 Selenium 1.8 10/18/2000 RW 3051/6020 Coa	e Yes	Coarse	3051/6020	RW	10/18/2000			1.8	Selenium	7782-49-2	SEDIMENT	2/23/2000	A0.01294L	SITE	NS	E4
ATLAS MILL E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7440-22-4 Silver 0.0936 B 8/25/2000 RW 3051/6020 Coa	e Yes	Coarse	3051/6020	RW	8/25/2000		В	0.0936	Silver	7440-22-4	SEDIMENT	2/23/2000	A0.01294L		NS	E4
E4 NS SITE A0.01294L 2/23/2000 SEDIMENT 7440-23-5 Sodium 626 B 10/18/2000 RW 3051/6020 Coa	e Yes	Coarse	3051/6020	P.W	10/18/2000		р	626	Sodium	7440-23-5	SEDIMENT	2/23/2000	A0.01294I		NS	E4

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Ou	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
121	Strutu (III)	1 roject rumer	TATTEL Sample #1	Date concercus		C. I.S. Humber	. many te	,			Dute manyzed			reacurer	THE CONTRACTOR OF THE CONTRACT
		ATTACAMILI							С	Q					
E4	NS	ATLAS MILL SITE	A0.01294L	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.136	В	:	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	NS	SITE	A0.01294L	2/23/2000	SEDIMENT	7440-62-2	Vanadium	19.9	_		10/18/2000	RW	3051/6020	Coarse	Yes
E4	NS	ATLAS MILL SITE	A0.01294L	2/23/2000	SEDIMENT	7440-66-6	Zinc	46.9			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL			app n ep e	#400 00 F		5550			4.0 /0.0 /0.00	P.111	2054/5020		**
E4	1	SITE ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7429-90-5	Aluminum	5570	-		10/20/2000	RW	3051/6020	Coarse	Yes
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.104	В	1	10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.55			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL	A0.012923	2/23/2000	SEDIMENT	7440-38-2	Aisenic	4.55			10/18/2000	IX W	3031/0020	Coarse	1 es
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-39-3	Barium	332			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.384	В		10/18/2000	RW	3051/6020	Coarse	Yes
	•	ATLAS MILL					Ž								
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.268	В		10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7440-70-2	Calcium	26500			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	1	SITE ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7440-47-3	Chromium	7.57			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-48-4	Cobalt	3.67	В	1	10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7440-50-8	Copper	9.32			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7440-30-8	Соррег	9.32			10/18/2000	K W	3031/0020	Coarse	i es
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7439-89-6	Iron	10000			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7439-92-1	Lead	10.5			10/18/2000	RW	3051/6020	Coarse	Yes
2.	•	ATLAS MILL	110.012,20	2/23/2000	SED IIII	7137721	Dead	10.5			10/10/2000		3031/0020	Course	100
E4	1	SITE ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7439-95-4	Magnesium	5980			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7439-96-5	Manganese	245			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	1	SITE ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0151	В		3/20/2000	RW	7471A	Coarse	Yes
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-02-0	Nickel	8.85			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7440-09-7	Potassium	1460			10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL	AU.01292J	2/23/2000	SEDIMENT	/440-07-/	rotassium	1400	$\vdash$		10/16/2000	K W	5051/0020	Coarse	I es
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.59	В		10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	ATLAS MILL SITE	A0.01292J	2/23/2000	SEDIMENT	7440-22-4	Silver	0.124	В		8/25/2000	RW	3051/6020	Coarse	Yes
	•	ATLAS MILL													
E4	1	SITE ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7440-23-5	Sodium	580	В	-	10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.132	В		10/18/2000	RW	3051/6020	Coarse	Yes
E4		ATLAS MILL	4.0.012027	2/22/2006	GEDD (E) 'T	7440 62 2	X7 1:	10.5			10/10/2006	DW	2051/6020		V
E4	1	SITE ATLAS MILL	A0.01292J	2/23/2000	SEDIMENT	7440-62-2	Vanadium	18.5	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
E4	1	SITE	A0.01292J	2/23/2000	SEDIMENT	7440-66-6	Zinc	40.8			10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7429-90-5	Aluminum	2660			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0407	В	1	10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	SITE	A0.01295M	2/23/2000	SEDIMENT	7440-38-2	Arsenic	1.64			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-39-3	Barium	219			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.181	В	:	10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0753	В	:	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7440-70-2	Calcium	29100	-		10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	SITE	A0.01295M	2/23/2000	SEDIMENT	7440-47-3	Chromium	3.51			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-48-4	Cobalt	1.73	В	:	10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-50-8	Copper	3.27			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7439-89-6	Iron	4510			10/18/2000	RW	3051/6020	Coarse	Yes
	-	ATLAS MILL		2/22/2000		#400 00 4					40/40/2000	P.11.			
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7439-92-1	Lead	3.6	-		10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7439-95-4	Magnesium	4790			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	SITE	A0.01295M	2/23/2000	SEDIMENT	7439-96-5	Manganese	194			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00814	U		3/20/2000	RW	7471A	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-02-0	Nickel	3.13	В	:	10/18/2000	RW	3051/6020	Coarse	Yes
F.4		ATLAS MILL	4.0.0120514	2/22/2000	CEDD (EXT	7440.00.7	D	701			10/10/2000	DW	2051/6020		V
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7440-09-7	Potassium	781			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	SITE	A0.01295M	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.542	В	1	10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0518	В		8/25/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-23-5	Sodium	865			10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	ATLAS MILL SITE	A0.01295M	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0259	В		10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7440-62-2	Vanadium	7.85	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
E4	5	SITE ATLAS MILL	A0.01295M	2/23/2000	SEDIMENT	7440-66-6	Zinc	13.4	$oxed{oxed}$		10/18/2000	RW	3051/6020	Coarse	Yes
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7429-90-5	Aluminum	3550		1	10/17/2000	RW	3051/6020	Coarse	Yes
E4	10	ATLAS MILL SITE	A0.01280E	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0254	В	:	10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	ATLAS MILL SITE	A0.01280E	2/23/2000	SEDIMENT	7440-38-2	Arsenic	1.87			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	O	ualifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	, , , ,	.,						- 7/							
		4 777 4 G 3 477 4							С	Q					
E4	10	ATLAS MILL SITE	A0.01280E	2/23/2000	SEDIMENT	7440-39-3	Barium	109			10/16/2000	RW	3051/6020	Coarse	Yes
LT	10	ATLAS MILL	A0.01200L	2/23/2000	SEDIMENT	7440-37-3	Barium	107			10/10/2000	ICVV	3031/0020	Coarse	103
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.14	1	В	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	10	SITE ATLAS MILL	A0.01280E	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0673		В	10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-70-2	Calcium	14100			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-47-3	Chromium	3.97			10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	ATLAS MILL SITE	A0.01280E	2/23/2000	SEDIMENT	7440-48-4	Cobalt	1.93	Ш,	В	10/16/2000	RW	3051/6020	Coarse	Yes
124	10	ATLAS MILL	A0.01280E	2/23/2000	SEDIMENT	/440-48-4	Cobait	1.93	H	ь	10/10/2000	KW	3031/0020	Coarse	165
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-50-8	Copper	2.68	1	В	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL	100100F	2 /22 /2000	ann an an	#400 00 C		4200			40/46/2000	P. 11	2051/5020		**
E4	10	SITE ATLAS MILL	A0.01280E	2/23/2000	SEDIMENT	7439-89-6	Iron	4390	╁		10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7439-92-1	Lead	4.31			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7439-95-4	Magnesium	2390			10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	ATLAS MILL SITE	A0.01280E	2/23/2000	SEDIMENT	7439-96-5	Manganese	133			10/16/2000	RW	3051/6020	Coarse	Yes
Li	10	ATLAS MILL	710.01200E	2/23/2000	SEDIMENT	7437 70 3	wanganese	155	H		10/10/2000	ICW	3031/0020	Course	1 03
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00838	U		3/17/2000	RW	7471A	Coarse	Yes
F4	10	ATLAS MILL	A O 01280E	2/22/2000	CEDIMENT	7440.02.0	NT:-11	2.7	Ш,	В	10/16/2000	DW	2051/6020	G	V
E4	10	SITE ATLAS MILL	A0.01280E	2/23/2000	SEDIMENT	7440-02-0	Nickel	3.7	1	В	10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-09-7	Potassium	802			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	10	SITE ATLAS MILL	A0.01280E	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.36		В	10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0114	1	В	8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-23-5	Sodium	520	1	В	10/17/2000	RW	3051/6020	Coarse	Yes
E4	10	ATLAS MILL SITE	A0.01280E	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0216	Ш,	В	10/16/2000	RW	3051/6020	Coarse	Yes
	10	ATLAS MILL	710.01200E	2/23/2000	GEDINENT	7440 20 0	Thairian	0.0210	Ħ		10/10/2000	KW	3031/0020	Course	103
E4	10	SITE	A0.01280E	2/23/2000	SEDIMENT	7440-62-2	Vanadium	7.94			10/16/2000	RW	3051/6020	Coarse	Yes
E4	10	ATLAS MILL	A O O1200E	2/22/2000	CEDIMENT	7440.66.6	7:	14.5			10/16/2000	DW	2051/6020	G	V
E4	10	SITE ATLAS MILL	A0.01280E	2/23/2000	SEDIMENT	7440-66-6	Zinc	14.5	H		10/16/2000	RW	3051/6020	Coarse	Yes
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8460			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		0.000.000	app.u	#440		0.07-7-			40/4-1	D	2054	-	
E10	NS	SITE ATLAS MILL	A0.01296N	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0963	+	В	10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.4			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-39-3	Barium	162	$\sqcup \bot$	-	10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	ATLAS MILL SITE	A0.01296N	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.515	ΙΙ,	В	10/18/2000	RW	3051/6020	Coarse	Yes
	1.0	ATLAS MILL	110.0127011	2,23,2000		, , , , , ,	Derjinani	0.010	ĦΪ		10,10,2000		2021/0020	course	100
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.36	1	В	10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	O	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	Strutt (III)	Trojectiumer	Tarress sumple m	Date concercus		CI IS I I IIII SCI	- many te	,	ν,		Dute manyzed	- Timiy st		Teature	TH CHICKS!
									C	Q					
F4.0	210	ATLAS MILL		2/22/2000	ann an an	#440 #0 <b>2</b>		40400			40/40/2000		2051/5020		••
E10	NS	SITE ATLAS MILL	A0.01296N	2/23/2000	SEDIMENT	7440-70-2	Calcium	42100			10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-47-3	Chromium	11.4			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL									10,10,200				
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.53	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
F4.0	210	ATLAS MILL		2/22/2000	ann an an	#440 #0 O					40/40/2000		2051/5020		**
E10	NS	SITE ATLAS MILL	A0.01296N	2/23/2000	SEDIMENT	7440-50-8	Copper	11			10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7439-89-6	Iron	12200			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7439-92-1	Lead	11.6			10/18/2000	RW	3051/6020	Coarse	Yes
F10	NC	ATLAS MILL	A 0 0120 (NI	2/22/2000	CEDIMENT	7420.05.4	M	7200			10/18/2000	DW	2051/6020	G	V
E10	NS	SITE ATLAS MILL	A0.01296N	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7300			10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7439-96-5	Manganese	267			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0169	E	3	3/20/2000	RW	7471A	Coarse	Yes
E10	NS	ATLAS MILL SITE	A0.01296N	2/23/2000	SEDIMENT	7440-02-0	Nickel	11.1			10/18/2000	RW	3051/6020	Coarse	Yes
LIU	110	ATLAS MILL	A0.012701V	2/23/2000	SEDIMENT	7440-02-0	INICKCI	11.1			10/10/2000	ICVV	3031/0020	Coarse	103
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-09-7	Potassium	2490			10/18/2000	RW	3051/6020	Coarse	Yes
F4.0	210	ATLAS MILL		2/22/2000	ann an an	#### 40 A					40/40/2000		2051/5020		••
E10	NS	SITE ATLAS MILL	A0.01296N	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.97			10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0989	E	3	8/25/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-23-5	Sodium	456	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
E10	NS	ATLAS MILL SITE	A0.01296N	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.177	l l	,	10/18/2000	RW	3051/6020	Coarse	Yes
LIU	110	ATLAS MILL	A0.012701V	2/23/2000	SEDIMENT	7440-20-0	manium	0.177	1	,	10/10/2000	ICVV	3031/0020	Coarse	103
E10	NS	SITE	A0.01296N	2/23/2000	SEDIMENT	7440-62-2	Vanadium	26.3			10/18/2000	RW	3051/6020	Coarse	Yes
F10	210	ATLAS MILL		2/22/2000	ann an an	<b>#440</b> 66 6		10.6			40/40/2000		2051/5020		••
E10	NS	SITE ATLAS MILL	A0.01296N	2/23/2000	SEDIMENT	7440-66-6	Zinc	48.6	$\vdash$		10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7429-90-5	Aluminum	10100			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0903	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	ATLAS MILL SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.33			10/18/2000	RW	3051/6020	Coarse	Yes
LIU	1	ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	7440-38-2	Aisenic	4.55			10/10/2000	ICVV	3031/0020	Coarse	103
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-39-3	Barium	185			10/18/2000	RW	3051/6020	Coarse	Yes
E10		ATLAS MILL	10.012006	2/22/2006	GEDD (E) 'T	7440 41 7	D 11:	0.611	<sub>-</sub>	$\prod_{i=1}^{n}$	10/10/2003	DW	2051/6020	-	
E10	I	SITE ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.611	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.397	E	3	10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-70-2	Calcium	39000	lacksquare	-	10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	ATLAS MILL SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-47-3	Chromium	13.6			10/18/2000	RW	3051/6020	Coarse	Yes
Liv		ATLAS MILL	710.01300Q	2/23/2000	SEDIMENT	1770 77 3	Cinomiani	15.0	H	+	10/10/2000	10.11	5051/0020	Course	103
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.45	E	3	10/18/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

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Client Sample	6	B N	NAPEL C. 1. "	D. C. I.	35	CACN 1		Concentration (mg/kg			B		36.0	TE 4	
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									C	Q					
		ATLAS MILL													
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-50-8	Copper	12.2			10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	7420 90 6	Inon	14100			10/18/2000	RW	3051/6020	Coorne	Vac
EIU	1	SITE ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	7439-89-6	Iron	14100			10/18/2000	KW	3031/6020	Coarse	Yes
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7439-92-1	Lead	12.9			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7439-95-4	Magnesium	9230			10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	ATLAS MILL SITE	A0.01300Q	2/23/2000	SEDIMENT	7439-96-5	Monoonoo	326			10/18/2000	RW	3051/6020	Coorne	Vac
EIU	1	ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	/439-90-3	Manganese	320			10/18/2000	KW	3031/6020	Coarse	Yes
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0175	В		3/20/2000	RW	7471A	Coarse	Yes
		ATLAS MILL													
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-02-0	Nickel	12.8			10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	ATLAS MILL SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-09-7	Potassium	2660			10/18/2000	RW	3051/6020	Coarse	Yes
LIU	1	ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	/440-07-7	1 Otassium	2000		1	10/10/2000	ICVV	3031/0020	Coarse	1 03
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.71			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-22-4	Silver	0.128	В		8/25/2000	RW	3051/6020	Coarse	Yes
E10	1	ATLAS MILL SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-23-5	Sodium	591	В		10/18/2000	RW	3051/6020	Coarse	Yes
210	•	ATLAS MILL	110.01300Q	2/23/2000	GEBINERY	7110 23 5	504.4	571			10/10/2000	2011	3021,0020	Course	105
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.201	В		10/18/2000	RW	3051/6020	Coarse	Yes
E10		ATLAS MILL	4.0.012000	2/22/2000	GEDD ÆNE	7440 62 2	X7 1:	20.2			10/10/2000	DW	2051/6020	ā	
E10	1	SITE ATLAS MILL	A0.01300Q	2/23/2000	SEDIMENT	7440-62-2	Vanadium	28.3			10/18/2000	RW	3051/6020	Coarse	Yes
E10	1	SITE	A0.01300Q	2/23/2000	SEDIMENT	7440-66-6	Zinc	60			10/18/2000	RW	3051/6020	Coarse	Yes
	UPDRAW	ATLAS MILL													
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7429-90-5	Aluminum	4800			10/17/2000	RW	3051/6020	Coarse	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01284J	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.013	В		10/16/2000	RW	3051/6020	Coarse	Yes
IVI VV	UPDRAW	ATLAS MILL	A0.012643	2/23/2000	SEDIMENT	/440-30-0	Anumony	0.013	ь		10/10/2000	KW	3031/0020	Coarse	1 65
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-38-2	Arsenic	1.57			10/16/2000	RW	3051/6020	Coarse	Yes
	UPDRAW	ATLAS MILL													
MW	(UD) UPDRAW	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-39-3	Barium	198			10/16/2000	RW	3051/6020	Coarse	Yes
MW	(UD)	ATLAS MILL SITE	A0.01284J	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.277	В		10/16/2000	RW	3051/6020	Coarse	Yes
141 44	UPDRAW	ATLAS MILL	710.012043	2/23/2000	SEDIMENT	7440 41 7	Berymuni	0.211	T P		10/10/2000	1011	3031/0020	Course	1 63
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0792	В		10/16/2000	RW	3051/6020	Coarse	Yes
	UPDRAW	ATLAS MILL		0/00/	ann			225			40/45/5555		2054	-	**
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01284J	2/23/2000	SEDIMENT	7440-70-2	Calcium	33500	+	1	10/16/2000	RW	3051/6020	Coarse	Yes
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-47-3	Chromium	6.5			10/16/2000	RW	3051/6020	Coarse	Yes
212 11	UPDRAW	ATLAS MILL	110.0120.0	2,23,2000		7.1.0 17.5	Jinomulii	0.0			10,10,2000	2011	2001/0020	course	100
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.4	В		10/16/2000	RW	3051/6020	Coarse	Yes
1000	UPDRAW	ATLAS MILL	40.012047	2/22/2000	GEDIA GENER	7440.50.0	C.	4.55			10/17/2000	DW	2051/6020	G-	V
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01284J	2/23/2000	SEDIMENT	7440-50-8	Copper	4.56	$\vdash$	1	10/16/2000	RW	3051/6020	Coarse	Yes
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7439-89-6	Iron	4370			10/16/2000	RW	3051/6020	Coarse	Yes
	UPDRAW	ATLAS MILL													
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7439-92-1	Lead	2.44			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	0.	ualifier	Date Analyzed	Analyst	Method	Texture:	Artifacts:
ш.	Strata (III)	1 Toject Ivame.	TOTALE Sample #:	Date Concetcu.	Mac IX.	CAS I MINDE	Manyte	ury	C	C		rmaryse	Wethou	rexture.	Ai thacts.
	UPDRAW	ATLAS MILL							C						
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7810			10/16/2000	RW	3051/6020	Coarse	Yes
	UPDRAW	ATLAS MILL													
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01284J	2/23/2000	SEDIMENT	7439-96-5	Manganese	407	$\vdash\vdash$		10/16/2000	RW	3051/6020	Coarse	Yes
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00716	U		3/17/2000	RW	7471A	Coarse	Yes
	UPDRAW	ATLAS MILL		2 (22 (2000)	arra era	#440.0 <b>2</b> .0	277.1.1	5.00			40/45/2000	P.V.	2054/5020		**
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01284J	2/23/2000	SEDIMENT	7440-02-0	Nickel	5.38	++		10/16/2000	RW	3051/6020	Coarse	Yes
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-09-7	Potassium	1770			10/16/2000	RW	3051/6020	Coarse	Yes
MW	UPDRAW	ATLAS MILL	40.012041	2/22/2000	CEDIMENT	7792 40 2	0.1	0.610			10/16/2000	DW	2051/6020	G	V
MW	(UD) UPDRAW	SITE ATLAS MILL	A0.01284J	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.618	H		10/16/2000	RW	3051/6020	Coarse	Yes
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0013	U		8/24/2000	RW	3051/6020	Coarse	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01284J	2/23/2000	SEDIMENT	7440-23-5	Sodium	609			10/17/2000	RW	3051/6020	Coarse	Yes
IVI VV	UPDRAW	ATLAS MILL	A0.012843	2/23/2000	SEDIMENT	7440-23-3	Sodium	009	H		10/17/2000	IX W	3031/0020	Coarse	Tes
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0239	F	В	10/16/2000	RW	3051/6020	Coarse	Yes
MW	UPDRAW (UD)	ATLAS MILL SITE	A0.01284J	2/23/2000	SEDIMENT	7440-62-2	Vanadium	12.5			10/16/2000	RW	3051/6020	Coarse	Yes
141 44	UPDRAW	ATLAS MILL	710.012043	2/23/2000	SEDIMENT	7440 02 2	v unuurum	12.5			10/10/2000	KW	3031/0020	Course	103
MW	(UD)	SITE	A0.01284J	2/23/2000	SEDIMENT	7440-66-6	Zinc	13			10/16/2000	RW	3051/6020	Coarse	Yes
MW	NS	ATLAS MILL SITE	A0.01291H	2/23/2000	SEDIMENT	7429-90-5	Aluminum	7090			10/20/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	A0.01291H	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.908	I	В	10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.98			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	A0.01291H	2/23/2000	SEDIMENT	7440-39-3	Barium	95.6			10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.414	E	В	10/18/2000	RW	3051/6020	Coarse	Yes
N GW	NG	ATLAS MILL	10.0120111	2/22/2000	CEDIA CENT	7440.42.0	G 1 :	0.202			10/10/2000	DW	2051/6020		V
MW	NS	SITE ATLAS MILL	A0.01291H	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.293	I	В	10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-70-2	Calcium	25500			10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	ATLAS MILL SITE	A0.01291H	2/23/2000	SEDIMENT	7440-47-3	Chromium	11			10/18/2000	RW	3051/6020	Corres	Yes
IVI W	N5	ATLAS MILL	A0.01291H	2/23/2000	SEDIMENT	/440-4/-3	Cnromium	11	++		10/18/2000	KW	3031/6020	Coarse	r es
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-48-4	Cobalt	3.62	E	В	10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	ATLAS MILL SITE	A0.01291H	2/23/2000	SEDIMENT	7440-50-8	Copper	7.35			10/18/2000	RW	3051/6020	Coarse	Yes
1V1 VV	140	ATLAS MILL	AU.0127111	414314000	SEDIMIENT	/ ++0-30-0	Соррег	1.33	H	1	10/10/2000	17. 44	3031/0020	Coarse	1 05
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7439-89-6	Iron	9010			10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	ATLAS MILL SITE	A0.01291H	2/23/2000	SEDIMENT	7439-92-1	Lead	7.89			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Doug							Course	
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7439-95-4	Magnesium	8240	$\sqcup \bot$		10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	ATLAS MILL SITE	A0.01291H	2/23/2000	SEDIMENT	7439-96-5	Manganese	291			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00856	U		3/20/2000	RW	7471A	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	O	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	otrata (m)	110jeet 1 tumer	TATION SUMPLEM	Date concercu		CI IS I I IIII SCI	. many te	,	ν,		Dute : maryzeu	rimijot		Teature	TH CHILCEST
									C	Q					
	210	ATLAS MILL		2/22/2000	ann an an	#440.0 <b>2</b> .0		0.0			40/40/2000		2051/5020		
MW	NS	SITE ATLAS MILL	A0.01291H	2/23/2000	SEDIMENT	7440-02-0	Nickel	8.2		+	10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-09-7	Potassium	2240			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.39			10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	ATLAS MILL SITE	A0.01291H	2/23/2000	SEDIMENT	7440-22-4	Cilvon	0.0636	F	,	8/25/2000	RW	3051/6020	Coarse	Yes
IVI VV	NS	ATLAS MILL	A0.01291fi	2/23/2000	SEDIMENT	/440-22-4	Silver	0.0030		·	8/23/2000	KW	3031/6020	Coarse	1 es
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-23-5	Sodium	1070			10/18/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	NS	SITE ATLAS MILL	A0.01291H	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.132	F	3	10/18/2000	RW	3051/6020	Coarse	Yes
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-62-2	Vanadium	23.7			10/18/2000	RW	3051/6020	Coarse	Yes
11111	110	ATLAS MILL	110.012)111	2/23/2000	BEB1111E111	7110 02 2	, madrani	23.1			10,10,2000	1011	3001,0020	Course	100
MW	NS	SITE	A0.01291H	2/23/2000	SEDIMENT	7440-66-6	Zinc	31.1			10/18/2000	RW	3051/6020	Coarse	Yes
1437	1	ATLAS MILL	A O O12051/	2/23/2000	CEDIMENT	7429-90-5	A 1	8100			10/17/2000	DW	2051/6020	G	V
MW	1	SITE ATLAS MILL	A0.01285K	2/23/2000	SEDIMENT	/429-90-3	Aluminum	8100			10/17/2000	RW	3051/6020	Coarse	Yes
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0651	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-38-2	Arsenic	3.85			10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	ATLAS MILL SITE	A0.01285K	2/23/2000	SEDIMENT	7440-39-3	Barium	148			10/16/2000	RW	3051/6020	Coarse	Yes
11111	•	ATLAS MILL	710.0120311	2/23/2000	BEB1111E111	7110373	Durum	110			10/10/2000	1011	3001,0020	Course	100
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.528	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	ATLAS MILL SITE	A O O12051/	2/22/2000	CEDIMENT	7440 42 0	Co dociono	0.39	E		10/16/2000	DW	2051/6020	G	V
IVI W	1	ATLAS MILL	A0.01285K	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.39		· ·	10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-70-2	Calcium	36000			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	1	SITE ATLAS MILL	A0.01285K	2/23/2000	SEDIMENT	7440-47-3	Chromium	10.4		-	10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.72	l l <sub>E</sub>	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL				, , , , , , , , , , , , , , , , , , , ,		=			10,10,200				
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-50-8	Copper	11.6			10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	ATLAS MILL SITE	A0.01285K	2/23/2000	SEDIMENT	7439-89-6	Iron	11100			10/16/2000	RW	3051/6020	Coarse	Yes
IVI VV	1	ATLAS MILL	A0.01263K	2/23/2000	SEDIMENT	/439-69-0	Hon	11100		+	10/16/2000	KW	3031/6020	Coarse	res
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7439-92-1	Lead	12			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
MW	1	SITE ATLAS MILL	A0.01285K	2/23/2000	SEDIMENT	7439-95-4	Magnesium	9580	$\vdash$	+	10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7439-96-5	Manganese	386			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					8								
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00999	U		3/17/2000	RW	7471A	Coarse	Yes
MW	1	ATLAS MILL SITE	A0.01285K	2/23/2000	SEDIMENT	7440-02-0	Nickel	11.9			10/16/2000	RW	3051/6020	Coarse	Yes
171 77	1	ATLAS MILL	A0.01203K	2/23/2000	SEDIMINI	/440-02-0	INICACI	11.7			10/10/2000	17, 11	5051/0020	Coarse	103
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-09-7	Potassium	2280			10/16/2000	RW	3051/6020	Coarse	Yes
1.007		ATLAS MILL	10.012027	2/22/2000	CEDD CENT	7792 40 2	0.1.	0.000			10/16/2000	DW	2051/6020	G	v
MW	I	SITE	A0.01285K	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.996		i	10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (malks							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Oı	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
								,/						2 0.000	
									С	Q					
MW	1	ATLAS MILL SITE	A0.01285K	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0409	l l <sub>e</sub>		8/24/2000	RW	3051/6020	Coarse	Yes
191 99		ATLAS MILL	A0.01283K	2/23/2000	SEDIMENT	/440-22-4	Silver	0.040)	H	,	8/24/2000	ICVV	3031/0020	Coarse	103
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-23-5	Sodium	1800			10/17/2000	RW	3051/6020	Coarse	Yes
MW	1	ATLAS MILL SITE	A0.01285K	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.135	E		10/16/2000	RW	3051/6020	Coarse	Yes
191 99		ATLAS MILL	A0.01283K	2/23/2000	SEDIMENT	7440-28-0	manium	0.155	H	,	10/10/2000	ICVV	3031/0020	Coarse	103
MW	1	SITE	A0.01285K	2/23/2000	SEDIMENT	7440-62-2	Vanadium	29.2			10/16/2000	RW	3051/6020	Coarse	Yes
MW	1	ATLAS MILL	A0.01285K	2/23/2000	SEDIMENT	7440-66-6	Zina	47.2			10/16/2000	RW	3051/6020	Caaraa	Vas
IVI W	1	SITE ATLAS MILL	A0.01263K	2/23/2000	SEDIMENT	/440-00-0	Zinc	47.2	-		10/16/2000	K W	3031/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7429-90-5	Aluminum	9780			10/12/2000	RW	3051/6020	Coarse	Yes
D2	NC	ATLAS MILL	A O 01250II	2/22/2000	CEDIMENT	7440.26.0	A45	0.002	E		10/11/2000	DW	2051/6020	G	
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.093	- 1	3	10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-38-2	Arsenic	6.25			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NG	ATLAS MILL	40.0125011	2/22/2000	GEDD (EVE	7440.20.2	ъ :	172			10/11/2000	DW	2051/6020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-39-3	Barium	172			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.836			10/11/2000	RW	3051/6020	Coarse	Yes
	N/G	ATLAS MILL		0/00/0000	ann an an	#440 42 O		0.554			40/44/2000	P. 11	2051/5020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.564	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-70-2	Calcium	48800			10/11/2000	RW	3051/6020	Coarse	Yes
	N/G	ATLAS MILL		0/00/0000	arra era	5440 45 A					40/44/2000	P.V.	2054/5020		**
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-47-3	Chromium	14.3			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.68	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
	N/G	ATLAS MILL		0/00/0000	ann an an	#440 #0 O		45.0			40/44/2000	P. 11	2051/5020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-50-8	Copper	17.8			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7439-89-6	Iron	17600			10/11/2000	RW	3051/6020	Coarse	Yes
	N/G	ATLAS MILL		0/00/0000	ann an an	#400 00 4		46.6			40/44/2000	P. 11	2051/5020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7439-92-1	Lead	16.6			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7439-95-4	Magnesium	13300			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NG	ATLAS MILL	40.0125011	2/22/2000	CEDIA CENT	7420.06.5		412			10/11/2000	DW	2051/6020	0	37
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7439-96-5	Manganese	412			10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0238	E	3	3/16/2000	RW	7471A	Coarse	Yes
	N/G	ATLAS MILL		0/00/0000	ann an an	#440.0 <b>2</b> .0					40/44/2000	P. 11	2051/5020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-02-0	Nickel	19	$\vdash \vdash$	-	10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-09-7	Potassium	2940	Ш		10/11/2000	RW	3051/6020	Coarse	Yes
D2	210	ATLAS MILL	10.0125017	2/22/2005	GEDD (E)	7702.40.2	6.1.:	1.00			10/11/2003	DW	2051/6020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.68	$\vdash \vdash$	-	10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-22-4	Silver	0.263	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
D2	210	ATLAS MILL	10.0125017	2/22/2005	GEDD (E)	7440.22.5	G 1:	2000			10/11/2003	DW	2051/6020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-23-5	Sodium	2000	$\vdash \vdash$	-	10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.302	E	3	10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	0	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
ID:	Strata (III)	Project Name:	NAKEL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	ury)	Qu	aimers	Date Analyzeu	Analyst	Method	rexture;	Armacis:
									C	Q					
	210	ATLAS MILL		2/22/2000	ann an an	#440 CD D		24.4			40/44/2000	P. 11	2051/5020		
D2	NS	SITE ATLAS MILL	A0.01259H	2/23/2000	SEDIMENT	7440-62-2	Vanadium	31.1	$\vdash$	-	10/11/2000	RW	3051/6020	Coarse	Yes
D2	NS	SITE	A0.01259H	2/23/2000	SEDIMENT	7440-66-6	Zinc	67.2			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7429-90-5	Aluminum	13900			10/12/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL SITE	A0.01263D	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.107	В	.	10/11/2000	RW	3051/6020	Coarse	Yes
- B2		ATLAS MILL	710.01203B	2/23/2000	GEDINENT	7440 30 0	Zintimony	0.107		<u> </u>	10/11/2000	KW	3031/0020	Course	1 03
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-38-2	Arsenic	6.48			10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL SITE	A0.01263D	2/23/2000	SEDIMENT	7440-39-3	Barium	174			10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL	A0.01203D	2/23/2000	SEDIMENT	/440-39-3	Darium	1/4		1	10/11/2000	K W	3031/6020	Coarse	res
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.778			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL	10010500	2/22/2000	ann an an	#440 42 O		0.550			40/44/2000	P. 11	2051/5020		
D2	I	SITE ATLAS MILL	A0.01263D	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.579	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-70-2	Calcium	45600			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	1	SITE ATLAS MILL	A0.01263D	2/23/2000	SEDIMENT	7440-47-3	Chromium	18	-	1	10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-48-4	Cobalt	7.01	В	:	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	1	SITE ATLAS MILL	A0.01263D	2/23/2000	SEDIMENT	7440-50-8	Copper	18.5		-	10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7439-89-6	Iron	18100			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7439-92-1	Lead	17.4		1	10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL SITE	A0.01263D	2/23/2000	SEDIMENT	7439-95-4	Magnesium	13100			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL						19100			10,11,200				- +
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7439-96-5	Manganese	411			10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL SITE	A0.01263D	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.277	В	.	3/16/2000	RW	7471A	Coarse	Yes
	•	ATLAS MILL	110.012031	2/23/2000	BEB1111ETT1	7.137 77 0	mercury	0.277	1		3/10/2000	1011	7 17 111	Course	100
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-02-0	Nickel	19			10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL SITE	A0.01263D	2/23/2000	SEDIMENT	7440-09-7	Potassium	3520			10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL	A0.01203D	2/23/2000	SEDIMENT	7440-07-7	1 Otassiuiii	3320			10/11/2000	KW	3031/0020	Coarse	1 03
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.38			10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL SITE	A0.01263D	2/23/2000	SEDIMENT	7440-22-4	Silver	0.18	В	.	8/24/2000	RW	3051/6020	Coarse	Yes
D2	1	ATLAS MILL	A0.01203D	2/23/2000	SEDIMENT	/440-22-4	Silvei	0.16	Д	1	8/24/2000	K W	3031/6020	Coarse	res
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-23-5	Sodium	2000			10/11/2000	RW	3051/6020	Coarse	Yes
D2		ATLAS MILL	A 0 012 (2D	2/22/2000	CEDD 4EVE	7440.20.0	Th 11	0.305			10/11/2000	DW	2051/6020	C	V
D2	1	SITE ATLAS MILL	A0.01263D	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.305	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D2	1	SITE	A0.01263D	2/23/2000	SEDIMENT	7440-62-2	Vanadium	37.2			10/11/2000	RW	3051/6020	Coarse	Yes
-		ATLAS MILL	10.010.00	2/22/2005	ann an	<b>5</b> 440.66.6					40/44/2005	P.V.	2054/502		-
D2	1	SITE ATLAS MILL	A0.01263D	2/23/2000	SEDIMENT	7440-66-6	Zinc	71			10/11/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7429-90-5	Aluminum	5090			10/17/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Climat Commit								Commenter the comment							
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Ou	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	, , , , ,														
		ATLAS MILL							С	Q					
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.175	В	,	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL						411,0			10,10,200				
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.25			10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	ATLAS MILL SITE	A0.01287M	2/23/2000	SEDIMENT	7440-39-3	Barium	99.8			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.362	В	3	10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.324	В		10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7440-70-2	Calcium	24900	-	1	10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-47-3	Chromium	7.21			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		2 (22 (2000)	arra arra	### ## ## ## ## ## ## ## ## ## ## ## ##	a	2.05			40/45/2000	P.111	2054/5020		
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.87	В	-	10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-50-8	Copper	5.95			10/16/2000	RW	3051/6020	Coarse	Yes
Da	5	ATLAS MILL	A 0 01207M	2/22/2000	CEDIMENT	7420.80.6	T	((50			10/17/2000	DW	2051/6020	Coorne	V
D2	3	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7439-89-6	Iron	6650	H		10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7439-92-1	Lead	6.06			10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	ATLAS MILL SITE	A0.01287M	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7280			10/16/2000	RW	3051/6020	Coarse	Yes
D2	3	ATLAS MILL	A0.01287W	2/23/2000	SEDIMENT	7433-33-4	iviagnesium	7280			10/10/2000	IX W	3031/0020	Coarse	1 es
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7439-96-5	Manganese	288			10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	ATLAS MILL SITE	A0.01287M	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00887	U		3/17/2000	RW	7471A	Coarse	Yes
		ATLAS MILL													
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7440-02-0	Nickel	6.55	_		10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-09-7	Potassium	1420			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.1	-		10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-22-4	Silver	0.00538	В	3	8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		2 (22 (2000)	arra arra	7440.00.5	a "	4000			40/45/2000	P.111	2054/5020		
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7440-23-5	Sodium	1030	-	1	10/17/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.163	В	3	10/16/2000	RW	3051/6020	Coarse	Yes
D2		ATLAS MILL	A 0 01207M	2/22/2000	CEDIMENT	7440 (2.2	M	10.1			10/17/2000	DW	2051/6020	Coorne	V
D2	5	SITE ATLAS MILL	A0.01287M	2/23/2000	SEDIMENT	7440-62-2	Vanadium	19.1		1	10/16/2000	RW	3051/6020	Coarse	Yes
D2	5	SITE	A0.01287M	2/23/2000	SEDIMENT	7440-66-6	Zinc	22.6			10/16/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7429-90-5	Aluminum	15300			10/12/2000	RW	3051/6020	Coarse	Yes
D4	IND	ATLAS MILL	A0.01202C	2/23/2000	GEDIMENT	/ <del>1</del> 427-7U-3	Aigiiiiiiiiiii	13300	$\vdash$		10/12/2000	IX VV	5051/0020	Coarse	1 05
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.13	В	3	10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.29			10/11/2000	RW	3051/6020	Coarse	Yes
27		ATLAS MILL								1				Coarse	. 03
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-39-3	Barium	237			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Ou	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
		ATLAS MILL							С	Q					
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.833	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	NS	SITE ATLAS MILL	A0.01262C	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.497	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-70-2	Calcium	41400			10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7440-47-3	Chromium	16			10/11/2000	RW	3051/6020	Coarse	Yes
D4	No	ATLAS MILL	A0.01262C	2/23/2000	SEDIMENT	/440-47-3	Cilionium	10			10/11/2000	KW	3031/0020	Coarse	ies
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.03	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7440-50-8	Copper	13.6			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	NS	SITE ATLAS MILL	A0.01262C	2/23/2000	SEDIMENT	7439-89-6	Iron	16900			10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7439-92-1	Lead	15.2			10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7439-95-4	Magnesium	10600			10/11/2000	RW	3051/6020	Coarse	Yes
D4	No	ATLAS MILL	A0.01202C	2/23/2000	SEDIMENT	7439-93-4	iviagnesium	10000	H		10/11/2000	IX VV	3031/0020	Coarse	Tes
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7439-96-5	Manganese	424			10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.018	В		3/16/2000	RW	7471A	Coarse	Yes
		ATLAS MILL												_	
D4	NS	SITE ATLAS MILL	A0.01262C	2/23/2000	SEDIMENT	7440-02-0	Nickel	14	-		10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-09-7	Potassium	3540			10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.23			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Seremani							Course	103
D4	NS	SITE ATLAS MILL	A0.01262C	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0881	В	1	8/24/2000	RW	3051/6020	Coarse	Yes
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-23-5	Sodium	2040			10/11/2000	RW	3051/6020	Coarse	Yes
D.4	NG	ATLAS MILL	10.012626	2/22/2000	CEDD (EXT	7440.20.0	TT 11:	2.00 =01	В		10/11/2000	DW	2051/6020	C	
D4	NS	SITE ATLAS MILL	A0.01262C	2/23/2000	SEDIMENT	7440-28-0	Thallium	2.89e□01	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	SITE	A0.01262C	2/23/2000	SEDIMENT	7440-62-2	Vanadium	36.6			10/11/2000	RW	3051/6020	Coarse	Yes
D4	NS	ATLAS MILL SITE	A0.01262C	2/23/2000	SEDIMENT	7440-66-6	Zinc	61.2			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	1	SITE ATLAS MILL	A0.01258G	2/23/2000	SEDIMENT	7429-90-5	Aluminum	11300	H	-	10/12/2000	RW	3051/6020	Coarse	Yes
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.088	В		10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL SITE	A0.01258G	2/23/2000	SEDIMENT	7440-38-2	Arconia	4.55			10/11/2000	RW	3051/6020	Conrec	Vac
D4	1	ATLAS MILL	AU.01236G	2/23/2000	SEDIMENT	/440-36-2	Arsenic	4.33	$\vdash$		10/11/2000	ΚW	3031/0020	Coarse	Yes
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-39-3	Barium	324			10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL SITE	A0.01258G	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.708	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	1	SITE ATLAS MILL	A0.01258G	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.403	В	-	10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-70-2	Calcium	44700			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

CII. 46 I															
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	0	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
- 121	otrata (m)	1 roject rumer	Tarress Sumple #	Date concercus		C. I.O. I. Manuscr	· many te	,	- 4,		Dute manyzed	- Timiy st		Teature	THE COLUMN
									C	Q					
D4	,	ATLAS MILL SITE	A0.01258G	2/23/2000	SEDIMENT	7440-47-3	Chromium	14.3			10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL	A0.01238G	2/23/2000	SEDIMENT	/440-47-3	Chromium	14.3	-	-	10/11/2000	KW	3031/6020	Coarse	res
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.22	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	1	SITE ATLAS MILL	A0.01258G	2/23/2000	SEDIMENT	7440-50-8	Copper	12.8	-		10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7439-89-6	Iron	15600			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL						10000			10,11,200				- +
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7439-92-1	Lead	13.4			10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL SITE	A0.01258G	2/23/2000	SEDIMENT	7439-95-4	Magnesium	10000			10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL	A0.01238G	2/23/2000	SEDIMENT	/439-93-4	Magnesium	10000	-	-	10/11/2000	KW	3031/6020	Coarse	res
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7439-96-5	Manganese	388			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	1	SITE ATLAS MILL	A0.01258G	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0166	F	3	3/16/2000	RW	7471A	Coarse	Yes
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-02-0	Nickel	12.9			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-09-7	Potassium	2920			10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL SITE	A0.01258G	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.69			10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL	A0.01238G	2/23/2000	SEDIMENT	1182-49-2	Selemum	1.09			10/11/2000	IX W	3031/0020	Coarse	165
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0423	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
D.4		ATLAS MILL	10.01250	2/22/2000	GEDD ÆNE	7440.00.5	G 1:	1610			10/11/2000	DW	2051/6020		
D4	1	SITE ATLAS MILL	A0.01258G	2/23/2000	SEDIMENT	7440-23-5	Sodium	1610	-		10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.206	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	1	SITE	A0.01258G	2/23/2000	SEDIMENT	7440-62-2	Vanadium	32.6		-	10/11/2000	RW	3051/6020	Coarse	Yes
D4	1	ATLAS MILL SITE	A0.01258G	2/23/2000	SEDIMENT	7440-66-6	Zinc	54.6			10/11/2000	RW	3051/6020	Coarse	Yes
	•	ATLAS MILL	110.012500	2/23/2000	SEE THE SECTION OF TH	7110 00 0	20	51.0			10/11/2000	1011	3001,0020	Course	100
D4	5	SITE	A0.01257F	2/23/2000	SEDIMENT	7429-90-5	Aluminum	12200			10/12/2000	RW	3051/6020	Coarse	Yes
D4	5	ATLAS MILL SITE	A0.01257F	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.181	E	,	10/11/2000	RW	3051/6020	Coarse	Yes
D4	3	ATLAS MILL	A0.012371	2/23/2000	SEDIMENT	7440-30-0	Anumony	0.181	- 1	,	10/11/2000	KW	3031/0020	Coarse	165
D4	5	SITE	A0.01257F	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.5			10/11/2000	RW	3051/6020	Coarse	Yes
D.4	_	ATLAS MILL	4 0 01257E	2/22/2000	GEDD ÆNE	7440.20.2	ъ.	277			10/11/2000	DW	2051/6020		
D4	5	SITE ATLAS MILL	A0.01257F	2/23/2000	SEDIMENT	7440-39-3	Barium	277	-		10/11/2000	RW	3051/6020	Coarse	Yes
D4	5	SITE	A0.01257F	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.804	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	5	SITE ATLAS MILL	A0.01257F	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.493	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D4	5	SITE	A0.01257F	2/23/2000	SEDIMENT	7440-70-2	Calcium	37800			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D4	5	SITE	A0.01257F	2/23/2000	SEDIMENT	7440-47-3	Chromium	17.5	$oxed{oxed}$	1	10/11/2000	RW	3051/6020	Coarse	Yes
D4	5	ATLAS MILL SITE	A0.01257F	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.17	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
DT		ATLAS MILL	110.0123/1	2/25/2000	SEDIMENT	7470 70 7	Coount	5.17	H	1	10/11/2000	KII	5051/0020	Course	163
D4	5	SITE	A0.01257F	2/23/2000	SEDIMENT	7440-50-8	Copper	12.3			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample   ID:   Strata (m)   Project Name:   NAREL Sample #:   Date Collected:   Matrix:   CAS Number   Analyte   Concentration (mg/kg   dry)   Qualifiers   Date Analyte   Concentration (mg/kg   dry)   Concen	2000 RW	Method 3051/6020	Texture:	Artifacts:
ID:   Strata (m)   Project Name:   NAREL Sample #:   Date Collected:   Matrix:   CAS Number   Analyte   dry)   Qualifiers   Date Analyte   C   Q	2000 RW		Texture:	Artifacts:
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-89-6 Iron 16300 10/11/ D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-92-1 Lead 13.1 10/11/		3051/6020		
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-89-6 Iron 16300 10/11/ D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-92-1 Lead 13.1 10/11/		3051/6020		
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-92-1 Lead 13.1 10/11/.		3051/6020		
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-92-1 Lead 13.1 10/11/.	2000 RW		Coarse	Yes
	2000 IX W	3051/6020	Coarse	Yes
ATLAS MILL		3031/0020	Coarse	165
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-95-4 Magnesium 10100 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-96-5 Manganese 350 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL	2000	3031/0020	Course	103
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7439-97-6 Mercury 0.0152 B 3/16/2	000 RW	7471A	Coarse	Yes
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7440-02-0 Nickel 12.7 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL				
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7440-09-7 Potassium 3460 10/11/.  ATLAS MILL	2000 RW	3051/6020	Coarse	Yes
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7782-49-2 Selenium 2.44 10/11/	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL				
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7440-22-4 Silver 0.00971 B 8/24/2 ATLAS MILL	000 RW	3051/6020	Coarse	Yes
D4 5 STTE A0.01257F 2/23/2000 SEDIMENT 7440-23-5 Sodium 1100 10/11/	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL		2054/5020		
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7440-28-0 Thallium 0.307 B 10/11/.  ATLAS MILL	2000 RW	3051/6020	Coarse	Yes
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7440-62-2 Vanadium 37.8 10/11/	2000 RW	3051/6020	Coarse	Yes
D4 5 SITE A0.01257F 2/23/2000 SEDIMENT 7440-66-6 Zinc 53 10/11/.	2000 RW	3051/6020	Coarse	Vaa
D4 3 SITE AU.0123/F 2/23/2000 SEDIMENT /440-00-0 ZIIIC 33 10/11/.	2000 KW	3031/6020	Coarse	Yes
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7429-90-5 Aluminum 9920 10/12/	2000 RW	3051/6020	Coarse	Yes
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7440-36-0 Antimony 0.0993 B 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL	2000	3031/0020	Course	103
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7440-38-2 Arsenic 5.06 10/11/	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7440-39-3 Barium 393 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL ATLAS MILL				
D6         NS         SITE         A0.01268J         2/23/2000         SEDIMENT         7440-41-7         Beryllium         0.616         B         10/11/2           ATLAS MILL         ATLAS MILL         Image: Control of the properties of the propert	2000 RW	3051/6020	Coarse	Yes
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7440-43-9 Cadmium 0.402 B 10/11/	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL			_	
D6         NS         SITE         A0.01268J         2/23/2000         SEDIMENT         7440-70-2         Calcium         35000         10/11/2           ATLAS MILL         ATLAS MILL <t< td=""><td>2000 RW</td><td>3051/6020</td><td>Coarse</td><td>Yes</td></t<>	2000 RW	3051/6020	Coarse	Yes
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7440-47-3 Chromium 13.7 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL D6 NS SITE A0 012681 2/23/2000 SEDIMENT 7440-48-4 Cobalt 7.55 B 10/11/	2000 PW	2051/6020	C	V
D6         NS         SITE         A0.01268J         2/23/2000         SEDIMENT         7440-48-4         Cobalt         7.55         B         10/11/2           ATLAS MILL         ATLAS MIL	2000 RW	3051/6020	Coarse	Yes
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7440-50-8 Copper 11.7 10/11/.	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7439-89-6 Iron 14900 10/11/.	2000 RW	3051/6020	Coarse	Yes
D6   NS   SITE   A0.012683   2/25/2000   SEDIMENT   /439-89-6   IFON   14900   10/11/.	2000 KW	3031/0020	Coarse	1 68
D6 NS SITE A0.01268J 2/23/2000 SEDIMENT 7439-92-1 Lead 14.7 10/11/2	2000 RW	3051/6020	Coarse	Yes
ATLAS MILL	2000 RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qι	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť	Ì					
D6	NS	SITE	A0.01268J	2/23/2000	SEDIMENT	7439-96-5	Manganese	583			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	NG	ATLAS MILL	40.012601	2/22/2000	GEDD ÆNÆ	7420.07.6	.,	0.016			2/16/2000	DW	74714	- C	**
D6	NS	SITE ATLAS MILL	A0.01268J	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.016	E	3	3/16/2000	RW	7471A	Coarse	Yes
D6	NS	SITE	A0.01268J	2/23/2000	SEDIMENT	7440-02-0	Nickel	13.4			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	210	ATLAS MILL		0.00.000	arran erven	#440.00 #		25.0			40/44/2000	P. 11.	2054/5020	G.	•
D6	NS	SITE ATLAS MILL	A0.01268J	2/23/2000	SEDIMENT	7440-09-7	Potassium	2760			10/11/2000	RW	3051/6020	Coarse	Yes
D6	NS	SITE	A0.01268J	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.18			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		- / /										_	
D6	NS	SITE ATLAS MILL	A0.01268J	2/23/2000	SEDIMENT	7440-22-4	Silver	0.00672	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
D6	NS	SITE	A0.01268J	2/23/2000	SEDIMENT	7440-23-5	Sodium	1870			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	NS	SITE ATLAS MILL	A0.01268J	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.176	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D6	NS	SITE	A0.01268J	2/23/2000	SEDIMENT	7440-62-2	Vanadium	29.5			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	NS	SITE ATLAS MILL	A0.01268J	2/23/2000	SEDIMENT	7440-66-6	Zinc	57.6		-	10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7429-90-5	Aluminum	3240			10/12/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	1	SITE ATLAS MILL	A0.01269K	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0882	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-38-2	Arsenic	2.36			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-39-3	Barium	160			10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.175	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.105	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7440-70-2	Calcium	19000			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-47-3	Chromium	3.67			10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.38	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-50-8	Copper	4.29			10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7439-89-6	Iron	5030			10/11/2000	RW	3051/6020	Coarse	Yes
- 50	-	ATLAS MILL	110.012031	2,23,2000		, 13, 0, 0		2020			10/11/2000		2021/0020	Course	2.00
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7439-92-1	Lead	7.43		1	10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7439-95-4	Magnesium	4430			10/11/2000	RW	3051/6020	Coarse	Yes
20	1	ATLAS MILL			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1		2011		Coarse	. 63
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7439-96-5	Manganese	288			10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00856	U		3/16/2000	RW	7471A	Coarse	Yes
D0	1	ATLAS MILL	710.012071	2/23/2000	CEDIMENT	1137 71 0	incidury	0.00050			3/10/2000	1011	/ 7 / 1/1	Course	163
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-02-0	Nickel	4.76	E	3	10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	ο.	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
ш.	Strata (III)	1 roject Name.	NAKEL Sample #.	Date Concercu.	Maura.	CAS Number	Analyte	ury)	Qi	lanners	Date Analyzed	Analyst	Method	rexture.	Artifacts.
									С	Q					
D.C	1	ATLAS MILL	A0.01269K	2/23/2000	CEDIMENT	7440-09-7	Determina	765			10/11/2000	DW	2051/6020	G	V
D6	1	SITE ATLAS MILL	A0.01269K	2/23/2000	SEDIMENT	/440-09-/	Potassium	765			10/11/2000	RW	3051/6020	Coarse	Yes
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.475	F	3	10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-22-4	Silver	0.808	E	3	8/24/2000	RW	3051/6020	Coarse	Yes
D6	1	ATLAS MILL SITE	A0.01269K	2/23/2000	SEDIMENT	7440-23-5	Sodium	1340			10/11/2000	RW	3051/6020	Coarse	Yes
50	•	ATLAS MILL	110.012071	2/23/2000	BEB1111ETT1	7110 23 5	South	1310			10/11/2000	1011	3021,0020	course	100
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0428	E	3	10/11/2000	RW	3051/6020	Coarse	Yes
D.C	1	ATLAS MILL	4.0.012C0V	2/22/2000	CEDIMENT	7440 (2.2	V	0.76			10/11/2000	RW	2051/6020	G	V
D6	1	SITE ATLAS MILL	A0.01269K	2/23/2000	SEDIMENT	7440-62-2	Vanadium	9.76			10/11/2000	KW	3051/6020	Coarse	Yes
D6	1	SITE	A0.01269K	2/23/2000	SEDIMENT	7440-66-6	Zinc	20.1			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	5	SITE ATLAS MILL	A0.01272E	2/23/2000	SEDIMENT	7429-90-5	Aluminum	11300			10/17/2000	RW	3051/6020	Coarse	Yes
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.185	l l	3	10/16/2000	RW	3051/6020	Coarse	Yes
50		ATLAS MILL	110.012/22	2/23/2000	BEB1111ETT1	7110 30 0	7 1111111101119	0.105		1	10/10/2000	1011	3021,0020	course	100
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-38-2	Arsenic	5.22			10/16/2000	RW	3051/6020	Coarse	Yes
D.C	5	ATLAS MILL	A O O1272E	2/22/2000	CEDIMENT	7440 20 2	Davisson	174			10/16/2000	DW	2051/6020	G	V
D6	3	SITE ATLAS MILL	A0.01272E	2/23/2000	SEDIMENT	7440-39-3	Barium	174			10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.749			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	5	SITE ATLAS MILL	A0.01272E	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.522	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-70-2	Calcium	40800			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													- 40
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-47-3	Chromium	14.4			10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	ATLAS MILL SITE	A0.01272E	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.75	l l		10/16/2000	RW	3051/6020	Coarse	Yes
D0	,	ATLAS MILL	A0.012/2E	2/23/2000	SEDIMENT	/440-46-4	Cobait	3.13	1	,	10/10/2000	KW	3031/0020	Coarse	103
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-50-8	Copper	13.8			10/16/2000	RW	3051/6020	Coarse	Yes
D.C	_	ATLAS MILL	4.0.01272E	2/22/2000	GEDD ÆNE	7420.00.6		15000			10/16/2000	DW	2051/6020	ā	
D6	5	SITE ATLAS MILL	A0.01272E	2/23/2000	SEDIMENT	7439-89-6	Iron	15900			10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7439-92-1	Lead	13			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7439-95-4	Magnesium	11300			10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	ATLAS MILL SITE	A0.01272E	2/23/2000	SEDIMENT	7439-96-5	Manganese	387			10/16/2000	RW	3051/6020	Coarse	Yes
- 50		ATLAS MILL	110.012/22	2,23,2000		7.57,700					10/10/2000		2021/0020	course	100
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00939	U		3/17/2000	RW	7471A	Coarse	Yes
D6	5	ATLAS MILL SITE	A0.01272E	2/23/2000	SEDIMENT	7440-02-0	Nickel	15.1			10/16/2000	RW	3051/6020	Conrec	Voc
D6	J	ATLAS MILL	AU.012/2E	2/23/2000	SEDIMENT	/440-02-0	INICKEI	15.1	H	+	10/16/2000	IV.W	3031/0020	Coarse	Yes
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-09-7	Potassium	2870			10/16/2000	RW	3051/6020	Coarse	Yes
D.C.		ATLAS MILL	10010505	2/22/2005	ann m						40/45/2007	P.V.	2054/502	-	
D6	5	SITE ATLAS MILL	A0.01272E	2/23/2000	SEDIMENT	7782-49-2	Selenium	2.1	$\vdash$	-	10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-22-4	Silver	0.233	E	3	8/24/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Climat Commit								Commenter the comment							
Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
								,	C	0					
		ATLAS MILL							C	Ų					
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-23-5	Sodium	1710			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	5	SITE	A0.01272E	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.326	В	:	10/16/2000	RW	3051/6020	Coarse	Yes
D6	5	ATLAS MILL SITE	A0.01272E	2/23/2000	SEDIMENT	7440-62-2	Vanadium	30.5			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	5	SITE ATLAS MILL	A0.01272E	2/23/2000	SEDIMENT	7440-66-6	Zinc	55.5	-		10/16/2000	RW	3051/6020	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7429-90-5	Aluminum	4430			10/12/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0451	В	1	10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-38-2	Arsenic	1.68			10/11/2000	RW	3051/6020	Coarse	Yes
D(	10	ATLAS MILL	A 0 01270C	2/22/2000	CEDIMENT	7440.20.2	Davison	105			10/11/2000	DW	2051/6020	Coores	V
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7440-39-3	Barium	105	H		10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.269	В	:	10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	ATLAS MILL SITE	A0.01270C	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.198	В		10/11/2000	RW	3051/6020	Coarse	Yes
D0	10	ATLAS MILL	A0.012/0C	2/23/2000	SEDIMENT	7440-43-9	Caumum	0.176	ь	'	10/11/2000	IX W	3031/0020	Coarse	1 es
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-70-2	Calcium	28100			10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	ATLAS MILL SITE	A0.01270C	2/23/2000	SEDIMENT	7440-47-3	Chromium	5.4			10/11/2000	RW	3051/6020	Coarse	Yes
D0	10	ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	/440-4/-3	Cinomium	5.4			10/11/2000	KW	3031/0020	Coarse	1 03
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.56	В		10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	ATLAS MILL SITE	A0.01270C	2/23/2000	SEDIMENT	7440-50-8	Copper	4.71			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					5.5								
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7439-89-6	Iron	5280			10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7439-92-1	Lead	4.05			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7170	-		10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7439-96-5	Manganese	323			10/11/2000	RW	3051/6020	Coarse	Yes
D.C	4.0	ATLAS MILL		2 /22 /2000	arra arra	#400 OF 6		0.0005			2/4 5/2000	D.V.			
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0096	U		3/16/2000	RW	7471A	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-02-0	Nickel	5.19	В	:	10/11/2000	RW	3051/6020	Coarse	Yes
D/	10	ATLAS MILL	A 0 01270C	2/22/2000	CEDIMENT	7440.00.7	Datassium	1100			10/11/2000	DW	2051/6020	Coores	V
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7440-09-7	Potassium	1190			10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.262	В		10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	ATLAS MILL SITE	A0.01270C	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0204	В		8/24/2000	RW	3051/6020	Coarse	Yes
D0	10	ATLAS MILL	A0.012/0C	2/23/2000	GEDIMENT	/++0-22-4	SHVCI	0.0204			0/24/2000	IX VV	5051/0020	Coarse	1 05
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-23-5	Sodium	1190			10/11/2000	RW	3051/6020	Coarse	Yes
D6	10	ATLAS MILL SITE	A0.01270C	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0553	B		10/11/2000	RW	3051/6020	Coarse	Yes
20	10	ATLAS MILL							H	1				Coarse	
D6	10	SITE	A0.01270C	2/23/2000	SEDIMENT	7440-62-2	Vanadium	12.8			10/11/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
		ATLAS MILL													
D6	10	SITE ATLAS MILL	A0.01270C	2/23/2000	SEDIMENT	7440-66-6	Zinc	18.5			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	SITE	A0.01264E	2/23/2000	SEDIMENT	7429-90-5	Aluminum	7720			10/12/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0751	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7440-38-2	Arsenic	3.48			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7440-39-3	Barium	220			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	SITE	A0.01264E	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.469	В		10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.303	В		10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							Ť						
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7440-70-2	Calcium	31200			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	SITE	A0.01264E	2/23/2000	SEDIMENT	7440-47-3	Chromium	9.9			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-48-4	Cobalt	4.3	В		10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-50-8	Copper	8.66			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7439-89-6	Iron	10900			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	SITE	A0.01264E	2/23/2000	SEDIMENT	7439-92-1	Lead	10.2			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7439-95-4	Magnesium	7760			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7439-96-5	Manganese	320			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Ü								
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.0158	В		3/16/2000	RW	7471A	Coarse	Yes
D8	NS	SITE	A0.01264E	2/23/2000	SEDIMENT	7440-02-0	Nickel	9.21			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-09-7	Potassium	2010			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.38			10/11/2000	RW	3051/6020	Соото	Vac
Do		ATLAS MILL			SEDIMENT		Selemun		$\vdash$			ΚW		Coarse	Yes
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7440-22-4	Silver	0.128	В		8/24/2000	RW	3051/6020	Coarse	Yes
D8	NS	SITE	A0.01264E	2/23/2000	SEDIMENT	7440-23-5	Sodium	713			10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.148	В		10/11/2000	RW	3051/6020	Coarse	Yes
D8	NS	ATLAS MILL SITE	A0.01264E	2/23/2000	SEDIMENT	7440-62-2	Vanadium	21.7			10/11/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	NS	SITE ATLAS MILL	A0.01264E	2/23/2000	SEDIMENT	7440-66-6	Zinc	44.4	+		10/11/2000	RW	3051/6020	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7429-90-5	Aluminum	8920			10/17/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.081	В		10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL							Ť						
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.85			10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-39-3	Dominum	231			10/16/2000	RW	3051/6020	Caaraa	Vac
D8	1	ATLAS MILL	A0.012/4G	2/23/2000	SEDIMENT	/440-39-3	Barium	231			10/16/2000	KW	3031/6020	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.617	В		10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.426	В		10/16/2000	RW	3051/6020	Coarse	Yes
Do	1	ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	/440-43-9	Caumum	0.420	ь		10/10/2000	IX W	3031/0020	Coarse	1 es
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-70-2	Calcium	36100			10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-47-3	Chromium	10.6			10/16/2000	RW	3051/6020	Coarse	Yes
Do		ATLAS MILL	710.012740	2/23/2000	BEDIMENT	7440 47 3	Cinomium	10.0			10/10/2000	KW	3031/0020	coarse	1 03
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-48-4	Cobalt	5.13	В		10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-50-8	Copper	12.5			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	7439-89-6	Iron	14100			10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7439-92-1	Lead	14.5			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	7439-95-4	Magnesium	8880		-	10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7439-96-5	Manganese	388			10/16/2000	RW	3051/6020	Coarse	Yes
De.	1	ATLAS MILL	A 0 01274C	2/22/2000	CEDIMENT	7439-97-6	M	0.00938	IJ		2/17/2000	DW	7471 4	Coores	V
D8	1	SITE ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	/439-97-0	Mercury	0.00938	U		3/17/2000	RW	7471A	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-02-0	Nickel	12.7			10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-09-7	Potassium	2220			10/16/2000	RW	3051/6020	Coarse	Yes
Do	1	ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	/440-03-7	rotassiuiii	2220			10/10/2000	IX W	3031/0020	Coarse	1 es
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.992			10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	ATLAS MILL SITE	A0.01274G	2/23/2000	SEDIMENT	7440-22-4	Silver	0.00654	В		8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	7440-23-5	Sodium	685	В	-	10/17/2000	RW	3051/6020	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.193	В		10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D8	1	SITE ATLAS MILL	A0.01274G	2/23/2000	SEDIMENT	7440-62-2	Vanadium	26			10/16/2000	RW	3051/6020	Coarse	Yes
D8	1	SITE	A0.01274G	2/23/2000	SEDIMENT	7440-66-6	Zinc	60.9			10/16/2000	RW	3051/6020	Coarse	Yes
De	5	ATLAS MILL	A 0 0127511	2/22/2006	CEDIMENT	7420.00.5	A.1	2020			10/17/2000	DW	2051/6020	C	V
D8	5	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7429-90-5	Aluminum	2920		1	10/17/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0377	В		10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	ATLAS MILL SITE	A0.01275H	2/23/2000	SEDIMENT	7440-38-2	Arsenic	3.33			10/16/2000	RW	3051/6020	Coarse	Yes
100	J	ATLAS MILL	A0.012/311	2/23/2000	DEDIMENT	/440-30-2	Aisonic	3.33			10/10/2000	17.11	5051/0020	Coarse	1 03
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-39-3	Barium	116		1	10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	ATLAS MILL SITE	A0.01275H	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.157	R		10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mails							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Qu	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
								Į,	С	O					
		ATLAS MILL							C	Ų	+				
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0853	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
	_	ATLAS MILL		- / /										_	
D8	5	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7440-70-2	Calcium	14000			10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-47-3	Chromium	2.53			10/16/2000	RW	3051/6020	Coarse	Yes
De	5	ATLAS MILL	A 0 0127511	2/22/2000	CEDIMENT	7440.40.4	G-1-14	2.46	г		10/17/2000	DW	2051/6020	C	V
D8	3	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.40	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-50-8	Copper	3.59			10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	ATLAS MILL SITE	A0.01275H	2/23/2000	SEDIMENT	7439-89-6	Iron	5110			10/16/2000	RW	3051/6020	Coarse	Yes
Do	,	ATLAS MILL					non					IC II	3031/0020	Course	103
D8	5	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7439-92-1	Lead	7.02	_	-	10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7439-95-4	Magnesium	2780			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Ü								
D8	5	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7439-96-5	Manganese	241			10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00828	U		3/17/2000	RW	7471A	Coarse	Yes
D8	5	ATLAS MILL SITE	A0.01275H	2/22/2000	SEDIMENT	7440-02-0	Nickel	3.34	В		10/16/2000	RW	2051/6020	Coarse	Yes
Do	3	ATLAS MILL	A0.012/3H	2/23/2000	SEDIMENT	/440-02-0	Nickei	3.34	Е	•	10/16/2000	K.W	3051/6020	Coarse	ies
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-09-7	Potassium	633			10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	ATLAS MILL SITE	A0.01275H	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.73			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												Course	
D8	5	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7440-22-4	Silver	2.42			8/24/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-23-5	Sodium	664			10/17/2000	RW	3051/6020	Coarse	Yes
P.0	-	ATLAS MILL		2 (22 (2000)	arra en en	#440.00 o	u.	0.00000	_		40/45/2000	D.V.	2054/5020		
D8	5	SITE ATLAS MILL	A0.01275H	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.00879	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	SITE	A0.01275H	2/23/2000	SEDIMENT	7440-62-2	Vanadium	26.5			10/16/2000	RW	3051/6020	Coarse	Yes
D8	5	ATLAS MILL SITE	A0.01275H	2/23/2000	SEDIMENT	7440-66-6	Zinc	20			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7429-90-5	Aluminum	5350		-	10/17/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL SITE	A0.01279M	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0827	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	NS	SITE ATLAS MILL	A0.01279M	2/23/2000	SEDIMENT	7440-38-2	Arsenic	3.57		-	10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-39-3	Barium	187			10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL	40.0127015	2/22/2006	CEDIMENT	7440 41 7	D III	0.345	Е		10/17/2000	DW	2051/6020	C	V
D10	IND.	SITE ATLAS MILL	A0.01279M	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.343	Е	2	10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.246	Е	3	10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL SITE	A0.01279M	2/23/2000	SEDIMENT	7440-70-2	Calcium	25800			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL			SEDIMENT		Cuicium			1	10/10/2000		3031/0020	Course	103
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-47-3	Chromium	7.01			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	O	ualifier	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	,	3									·				
									С	Ç	!				
D10	NS	ATLAS MILL SITE	A0.01279M	2/23/2000	SEDIMENT	7440-48-4	Cobalt	3.34	Ш,	В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL	A0.012/9M	2/23/2000	SEDIMENT	/440-48-4	Cobait	3.34	H	ь	10/16/2000	KW	3031/6020	Coarse	res
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-50-8	Copper	6.06			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	NS	SITE ATLAS MILL	A0.01279M	2/23/2000	SEDIMENT	7439-89-6	Iron	8650	₽₽		10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7439-92-1	Lead	10.1			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL				7.00.7= -									- +
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7439-95-4	Magnesium	4630			10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL SITE	A0.01279M	2/23/2000	SEDIMENT	7439-96-5	Managanaga	263			10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL	A0.012/9M	2/23/2000	SEDIMENT	/439-90-3	Manganese	203	H		10/16/2000	KW	3031/6020	Coarse	res
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00853	U		3/17/2000	RW	7471A	Coarse	Yes
		ATLAS MILL												_	
D10	NS	SITE ATLAS MILL	A0.01279M	2/23/2000	SEDIMENT	7440-02-0	Nickel	6.53	-		10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-09-7	Potassium	1430			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7782-49-2	Selenium	0.917			10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	ATLAS MILL SITE	A0.01279M	2/23/2000	SEDIMENT	7440-22-4	Silver	0.00892	Ш,	В	8/24/2000	RW	3051/6020	Coarse	Yes
D10	143	ATLAS MILL	A0.012/9W	2/23/2000	SEDIMENT	/440-22-4	Silvei	0.00892	H - 1	ь	8/24/2000	IX W	3031/0020	Coarse	165
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-23-5	Sodium	992			10/17/2000	RW	3051/6020	Coarse	Yes
D.10	210	ATLAS MILL		2/22/2000	ann an an	#440 <b>*</b> 00 0		0.0024	Ш.		40/45/2000		2051/5020		
D10	NS	SITE ATLAS MILL	A0.01279M	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0931	++	В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-62-2	Vanadium	20.6			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	NS	SITE	A0.01279M	2/23/2000	SEDIMENT	7440-66-6	Zinc	37.5			10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	ATLAS MILL SITE	A0.01276J	2/23/2000	SEDIMENT	7429-90-5	Aluminum	5260			10/17/2000	RW	3051/6020	Coarse	Yes
210	•	ATLAS MILL	110.012700	2/23/2000	BEB IIVIEI (1	7.125 50 5		2200			10/1//2000	1011	3001,0020	course	100
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.104	1	В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	,	ATLAS MILL SITE	A0.01276J	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.62			10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	ATLAS MILL	A0.012/0J	2/23/2000	SEDIMENT	/440-38-2	Aisenic	4.02	H		10/16/2000	KW	3031/6020	Coarse	res
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-39-3	Barium	203			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL								_					
D10	1	SITE ATLAS MILL	A0.01276J	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.311		В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.255	1	В	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-70-2	Calcium	25300	$\sqcup \!\!\!\! \perp$		10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	ATLAS MILL SITE	A0.01276J	2/23/2000	SEDIMENT	7440-47-3	Chromium	6.8			10/16/2000	RW	3051/6020	Coarse	Yes
210		ATLAS MILL	110.012703	2,23,2000	JED INILITY!	,	C.III OIII GIII	0.0	t	1	10,10/2000	2011	5051/0020	Coarse	103
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-48-4	Cobalt	3.92		В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	ATLAS MILL SITE	A0.01276J	2/23/2000	SEDIMENT	7440-50-8	Connor	7.55			10/16/2000	RW	3051/6020	Conrec	Vac
DIU	1	ATLAS MILL	AU.012/0J	2/23/2000	SEDIMENT	/440-30-8	Copper	1.33	++	-	10/10/2000	IV.W	3031/0020	Coarse	Yes
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7439-89-6	Iron	9800	Ш		10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	O	ualifie	rs Date Analyzed	Analyst	Method	Texture:	Artifacts:
							- campto		Α,		•				
									C	(	Q				
D40		ATLAS MILL		2/22/2000	app n ep m	#400 00 4					40/45/2000		2051/5020		
D10	1	SITE ATLAS MILL	A0.01276J	2/23/2000	SEDIMENT	7439-92-1	Lead	11.1			10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7439-95-4	Magnesium	5290			10/16/2000	RW	3051/6020	Coarse	Yes
5.0	•	ATLAS MILL	110.012700	2/23/2000	DED IVIE (1	7.55 75 1	agiicoiaiii	3270			10/10/2000	1011	3021,0020	Course	100
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7439-96-5	Manganese	344			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D10	1	SITE ATLAS MILL	A0.01276J	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00854	U		3/17/2000	RW	7471A	Coarse	Yes
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-02-0	Nickel	7.76			10/16/2000	RW	3051/6020	Coarse	Yes
2.0		ATLAS MILL	110.012700	2/23/2000	SEE INIEI (I	7.10 02 0	1 (Texter	7.70			10/10/2000	1011	3021,0020	Course	103
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-09-7	Potassium	1400			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D10	1	SITE ATLAS MILL	A0.01276J	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.71			10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-22-4	Silver	0.196		В	8/24/2000	RW	3051/6020	Coarse	Yes
5.0	•	ATLAS MILL	110.012700	2/23/2000	DED IVIE IVI	7.10 22 1	511761	0.170			0/21/2000	1011	3021,0020	Course	100
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-23-5	Sodium	2110			10/17/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL												_	
D10	1	SITE ATLAS MILL	A0.01276J	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.066	ŀ	В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-62-2	Vanadium	19.2			10/16/2000	RW	3051/6020	Coarse	Yes
5.0	•	ATLAS MILL	110.012700	2/23/2000	DED IVIE IVI	7110 02 2	, unuarum	17.2			10/10/2000	1011	3021,0020	Course	100
D10	1	SITE	A0.01276J	2/23/2000	SEDIMENT	7440-66-6	Zinc	38.1			10/16/2000	RW	3051/6020	Coarse	Yes
D.10	_	ATLAS MILL	1001000	2/22/2000	app n ep m	# 400 00 F		2.400			40/45/2000		2051/5020		
D10	5	SITE ATLAS MILL	A0.01273F	2/23/2000	SEDIMENT	7429-90-5	Aluminum	3400			10/17/2000	RW	3051/6020	Coarse	Yes
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0976	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-38-2	Arsenic	3.03			10/16/2000	RW	3051/6020	Coarse	Yes
D10	5	ATLAS MILL	A O O1272E	2/23/2000	CEDIMENT	7440-39-3	Davisson	127			10/16/2000	RW	2051/6020	G	V
DIU	3	SITE ATLAS MILL	A0.01273F	2/23/2000	SEDIMENT	/440-39-3	Barium	127		-	10/16/2000	KW	3051/6020	Coarse	Yes
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.186	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.0952	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	A0.01273F	2/23/2000	SEDIMENT	7440-70-2	Calcium	19600			10/16/2000	RW	3051/6020	Coarse	Yes
D10	3	ATLAS MILL	A0.012/31	2/23/2000	SEDIMENT	7440-70-2	Calcium	19000			10/10/2000	IX VV	3031/0020	Coarse	1 05
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-47-3	Chromium	3.92			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE ATLAS MILL	A0.01273F	2/23/2000	SEDIMENT	7440-48-4	Cobalt	2.77	I	В	10/16/2000	RW	3051/6020	Coarse	Yes
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-50-8	Copper	3.95			10/16/2000	RW	3051/6020	Coarse	Yes
2.0		ATLAS MILL	110.012,32	2,23,2000	2221112111	,	сорре.	3.50	tt		10/10/2000	1011	2021/0020	course	100
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7439-89-6	Iron	5770			10/16/2000	RW	3051/6020	Coarse	Yes
D.10		ATLAS MILL	1001000	2/22/2005	app						40/45/005	P.11.	2051/502	-	
D10	5	SITE ATLAS MILL	A0.01273F	2/23/2000	SEDIMENT	7439-92-1	Lead	7.26	$\vdash\vdash$	+	10/16/2000	RW	3051/6020	Coarse	Yes
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7439-95-4	Magnesium	3520			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL							tt	1					- +
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7439-96-5	Manganese	250			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Q	ualifier	S Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С						
		ATLAS MILL													
D10	5	SITE ATLAS MILL	A0.01273F	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00795	U		3/17/2000	RW	7471A	Coarse	Yes
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-02-0	Nickel	3.74		3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-09-7	Potassium	1060			10/16/2000	RW	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	A0.01273F	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.09			10/16/2000	RW	3051/6020	Coarse	Yes
210		ATLAS MILL	110.012731	2/23/2000	BEB IIVIEI (1	7702 17 2	Sereman	1.07			10/10/2000	1011	3001,0020	course	103
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-22-4	Silver	0.116	1	3	8/24/2000	RW	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	A0.01273F	2/23/2000	SEDIMENT	7440-23-5	Sodium	2680			10/17/2000	RW	3051/6020	Coarse	Yes
Dio		ATLAS MILL	710.012731	2/23/2000	GEDINENT	7440 23 3	Southin	2000			10/1//2000	ICW	3031/0020	Course	103
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.0361	1	3	10/16/2000	RW	3051/6020	Coarse	Yes
D10	5	ATLAS MILL SITE	A0.01273F	2/23/2000	SEDIMENT	7440-62-2	Vanadium	11.6			10/16/2000	RW	3051/6020	Coarse	Yes
Dio		ATLAS MILL	A0.012/31	2/23/2000	SEDIMENT	7440-02-2	vanadium	11.0	H		10/10/2000	ICVV	3031/0020	Coarse	103
D10	5	SITE	A0.01273F	2/23/2000	SEDIMENT	7440-66-6	Zinc	18.8			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7429-90-5	Aluminum	14000			10/17/2000	RW	3051/6020	Coarse	Yes
D13	143	ATLAS MILL	A0.012//K	2/23/2000	SEDIMENT	7425-50-3	Aiummum	14000			10/17/2000	IX VV	3031/0020	Coarse	1 es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0538	1	3	10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7440-38-2	Arsenic	6.64			10/16/2000	RW	3051/6020	Coarse	Yes
D13	NS	ATLAS MILL	A0.012//K	2/23/2000	SEDIMENT	/440-38-2	Aisenic	0.04	H		10/16/2000	I, W	3031/6020	Coarse	i es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-39-3	Barium	428			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7440-41-7	Domillion	0.723			10/16/2000	RW	3051/6020	Coarse	Yes
D13	N5	ATLAS MILL	A0.012//K	2/23/2000	SEDIMENT	/440-41-/	Beryllium	0.723			10/16/2000	K.W	3031/0020	Coarse	i es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.48	1	3	10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7440-70-2	Calcium	33100			10/16/2000	RW	3051/6020	Coarse	Yes
D13	N5	ATLAS MILL	A0.012//K	2/23/2000	SEDIMENT	/440-70-2	Calcium	33100			10/16/2000	K.W	3031/0020	Coarse	i es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-47-3	Chromium	18.3			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7440-48-4	Cobalt	6.16	1	,	10/16/2000	RW	3051/6020	Coarse	Yes
D13	143	ATLAS MILL	A0.012//K	2/23/2000	SEDIMENT	/440-48-4	Cobait	0.10	H - 1		10/10/2000	IX VV	3031/0020	Coarse	1 es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-50-8	Copper	15.7			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7439-89-6	Iron	17400			10/16/2000	RW	3051/6020	Coarse	Vac
D13	N5	ATLAS MILL	A0.012//K	2/23/2000	SEDIMENT	/439-69-0	Hon	17400			10/16/2000	K.W	3031/0020	Coarse	Yes
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7439-92-1	Lead	19.9			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7439-95-4	Magnagiyee	8450			10/16/2000	RW	3051/6020	Conrec	Yes
נוט	IND	ATLAS MILL	AU.012//K	2/23/2000	SEDIMENT	/437-73-4	Magnesium	6430	++	+	10/16/2000	I, W	3031/0020	Coarse	I es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7439-96-5	Manganese	349			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00888	U		3/17/2000	RW	7471A	Coarse	Yes
D13	INO	ATLAS MILL	AU.U12//K	2/23/2000	SEDIMENT	/437-7/-0	Mercury	0.00000	U	-	3/1//2000	I, W	/4/1A	Coarse	I es
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-02-0	Nickel	15.2			10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7440-09-7	Potassium	4000			10/16/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Qu	alifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	0					
		ATLAS MILL								Q					
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.59			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-22-4	Silver	0.173	В	:	8/24/2000	RW	3051/6020	Coarse	Yes
D15	NS	ATLAS MILL SITE	A0.01277K	2/23/2000	SEDIMENT	7440-23-5	Sodium	786			10/17/2000	RW	3051/6020	Coarse	Yes
D.1.5	210	ATLAS MILL		2 (22 (2000)	arra en en	#440.00 o	II.	0.005	_		40/45/2000	P.111	2054/5020		
D15	NS	SITE ATLAS MILL	A0.01277K	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.235	В		10/16/2000	RW	3051/6020	Coarse	Yes
D15	NS	SITE	A0.01277K	2/23/2000	SEDIMENT	7440-62-2	Vanadium	44			10/16/2000	RW	3051/6020	Coarse	Yes
DIE	NS	ATLAS MILL	A O 012771/	2/22/2000	CEDIMENT	7440.66.6	7:	74.1			10/16/2000	DW	2051/6020	Coores	V
D15	NS	SITE ATLAS MILL	A0.01277K	2/23/2000	SEDIMENT	7440-66-6	Zinc	74.1			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7429-90-5	Aluminum	9510			10/17/2000	RW	3051/6020	Coarse	Yes
D20	NS	ATLAS MILL SITE	A0.01278L	2/22/2000	CEDIMENT	7440.26.0	A mtim onv	0.0503	В		10/16/2000	DW	2051/6020	Caaraa	Vac
D20	No	ATLAS MILL	A0.012/6L	2/23/2000	SEDIMENT	7440-36-0	Antimony	0.0303	ь	1	10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-38-2	Arsenic	4.01			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	ATLAS MILL SITE	A0.01278L	2/23/2000	SEDIMENT	7440-39-3	Barium	185			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL					Durium							Course	105
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-41-7	Beryllium	0.439	В	1	10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	ATLAS MILL SITE	A0.01278L	2/23/2000	SEDIMENT	7440-43-9	Cadmium	0.254	В	:	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D20	NS	SITE ATLAS MILL	A0.01278L	2/23/2000	SEDIMENT	7440-70-2	Calcium	30300			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-47-3	Chromium	9.59			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL		- / /										_	
D20	NS	SITE ATLAS MILL	A0.01278L	2/23/2000	SEDIMENT	7440-48-4	Cobalt	3.74	В	1	10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-50-8	Copper	8.64			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NG	ATLAS MILL	40.012701	2/22/2000	CEDD (EXT	7420.00.6		10200			10/16/2000	DW	2051/6020		
D20	NS	SITE ATLAS MILL	A0.01278L	2/23/2000	SEDIMENT	7439-89-6	Iron	10200			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7439-92-1	Lead	10.4			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	ATLAS MILL SITE	A0.01278L	2/23/2000	SEDIMENT	7439-95-4	Magnesium	6580			10/16/2000	RW	3051/6020	Coarse	Yes
D20	INO	ATLAS MILL	AU.U12/6L	2/23/2000	SEDIMENT	/437-73-4	iviagnesium	0380			10/10/2000	K W	3031/0020	Coarse	I es
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7439-96-5	Manganese	289			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	ATLAS MILL SITE	A0.01278L	2/23/2000	SEDIMENT	7439-97-6	Mercury	0.00873	II		3/17/2000	RW	7471A	Coarse	Yes
		ATLAS MILL					Í			1				Coarse	
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-02-0	Nickel	8.86			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	ATLAS MILL SITE	A0.01278L	2/23/2000	SEDIMENT	7440-09-7	Potassium	2010			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D20	NS	SITE ATLAS MILL	A0.01278L	2/23/2000	SEDIMENT	7782-49-2	Selenium	1.32			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-22-4	Silver	0.0992	В	:	8/24/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-23-5	Sodium	692			10/17/2000	RW	3051/6020	Coarse	Yes

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample								Concentration (mg/kg							
ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	dry)	Oı	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
	, , , ,	•													
		ATLAS MILL							С	Q					
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-28-0	Thallium	0.09	E	3	10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
D20	NS	SITE ATLAS MILL	A0.01278L	2/23/2000	SEDIMENT	7440-62-2	Vanadium	24.2			10/16/2000	RW	3051/6020	Coarse	Yes
D20	NS	SITE	A0.01278L	2/23/2000	SEDIMENT	7440-66-6	Zinc	40			10/16/2000	RW	3051/6020	Coarse	Yes
		ATLAS MILL													
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7429-90-5	Aluminum	9.08	E	3	10/12/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7440-36-0	Antimony	0.036	E	3	10/11/2000	RW	3051/6020	NA	None
Made d Diagla	NIA	ATLAS MILL	DDI 1/0000025	NT A	CEDIMENT	7440.20.2	A	0.02	U		10/11/2000	DW	2051/6020	NIA	None
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7440-38-2	Arsenic	0.02	U		10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7440-39-3	Barium	0.135	E	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000025	NA	SEDIMENT	7440-41-7	Beryllium	0.029	F	3	10/11/2000	RW	3051/6020	NA	None
Wicthod Diank	IVA	ATLAS MILL	KBEK0000023	IVA	SEDIMENT	/440-41-/	Berymuni	0.02)	-	<u> </u>	10/11/2000	ICVV	3031/0020	IVA	rvone
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7440-43-9	Cadmium	0.02	E	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000025	NA	SEDIMENT	7440-70-2	Calcium	17.2	F	3	10/11/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7440-47-3	Chromium	0.051	E	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7440-48-4	Cobalt	0.023	E	3	10/11/2000	RW	3051/6020	NA	None
		ATLAS MILL					_								
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7440-50-8	Copper	0.129	F	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7439-89-6	Iron	4.86	E	3	10/12/2000	RW	3051/6020	NA	None
Made d Disula	NIA	ATLAS MILL	DDI 1/20000025	NI A	CEDIMENT	7439-92-1	T 4	0.0115	T.T.		10/11/2000	DW	2051/6020	NI A	Nama
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	/439-92-1	Lead	0.0115	U		10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7439-95-4	Magnesium	13.1	E	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000025	NA	SEDIMENT	7439-96-5	Manganese	0.126	F	3	10/11/2000	RW	3051/6020	NA	None
Wiction Diank	1471	ATLAS MILL	RBER0000023	1771	BEDIMENT	7437 70 3	ivianganese	0.120	- 1		10/11/2000	IC II	3031/0020	11/1	Tronc
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7439-97-6	Mercury	0.0066	U		3/16/2000	RW	7471A	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000025	NA	SEDIMENT	7440-02-0	Nickel	0.064	E	3	10/11/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7440-09-7	Potassium	10.6	E	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7782-49-2	Selenium	0.0756	U		10/12/2000	RW	3051/6020	NA	None
		ATLAS MILL	P.D. W	27.1	arran m	5440 aa 4		0.0042			0/04/0005	D.V.			
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7440-22-4	Silver	0.0012	U	+	8/24/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7440-23-5	Sodium	12.9	E	3	10/11/2000	RW	3051/6020	NA	None
Made d DL 1	NIA	ATLAS MILL	DDI 1/20000027	NI A	CEDIMENT	7440.28.0	T1 11:	0.024	Π.	,	10/11/2000	DW	2051/6020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK0000025	NA	SEDIMENT	7440-28-0	Thallium	0.024	E	5	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000025	NA	SEDIMENT	7440-62-2	Vanadium	0.091	E	3	10/11/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000025	NA	SEDIMENT	7440-66-6	Zinc	0.0288	II		10/11/2000	RW	3051/6020	NA	None
iviculou Diank	INA	SHE	KDLK0000023	INA	SEDIMENT	/440-00-0	ZIIIC	0.0288	U	1	10/11/2000	IV. W	3031/0020	INA	None

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	Qu	ıalifiers	Date Analyzed	Analyst	Method	Texture:	Artifacts:
									С	Q					
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7429-90-5	Aluminum	7.59	Е		10/17/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE ATLAS MILL	RBLK0000026	NA	SEDIMENT	7440-36-0	Antimony	0.0054	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000026	NA	SEDIMENT	7440-38-2	Arsenic	0.02	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-39-3	Barium	0.0104	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-41-7	Beryllium	0.0047	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-43-9	Cadmium	0.0057	U		10/16/2000	RW	3051/6020	NA	None
Memor Brain	1,11	ATLAS MILL				7.10 13 7	Cuumum	0.0057				10.11			rione
Method Blank	NA	SITE	RBLK0000026	NA	SEDIMENT	7440-70-2	Calcium	9.71	Е	3	10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-47-3	Chromium	0.0097	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-48-4	Cobalt	0.0059	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-50-8	Copper	0.12	F		10/16/2000	RW	3051/6020	NA	None
		ATLAS MILL SITE	RBLK0000026		SEDIMENT	7439-89-6		3.04	F		10/16/2000	RW	3051/6020		
Method Blank	NA	ATLAS MILL	KBLK0000020	NA	SEDIMENT	7439-69-0	Iron	3.04	Е	,	10/16/2000	ΚW	3031/0020	NA	None
Method Blank	NA	SITE ATLAS MILL	RBLK0000026	NA	SEDIMENT	7439-92-1	Lead	0.0115	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000026	NA	SEDIMENT	7439-95-4	Magnesium	1.7	Е	3	10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7439-96-5	Manganese	0.051	Е	3	10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7439-97-6	Mercury	0.0066	U		3/17/2000	RW	7471A	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-02-0	Nickel	0.047	F		10/16/2000	RW	3051/6020	NA	None
Wichiod Diank	1471	ATLAS MILL	RDER0000020	1121	SEDIMENT	7440 02 0	TVICKET	0.047		1	10/10/2000	ICH.	3031/0020	1171	rone
Method Blank	NA	SITE ATLAS MILL	RBLK0000026	NA	SEDIMENT	7440-09-7	Potassium	1.64	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000026	NA	SEDIMENT	7782-49-2	Selenium	0.0756	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-22-4	Silver	0.01	Е	3	8/24/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-23-5	Sodium	3.12	Е	3	10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000026	NA	SEDIMENT	7440-28-0	Thallium	0.0055	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL	KBLK0000020	NA NA	SEDIMENT	/440-28-0	mamum	0.0033	U		10/16/2000	ΚW	3031/0020	INA	None
Method Blank	NA	SITE ATLAS MILL	RBLK0000026	NA	SEDIMENT	7440-62-2	Vanadium	0.0074	U		10/16/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000026	NA	SEDIMENT	7440-66-6	Zinc	0.139	Е	3	10/17/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000027	NA	SEDIMENT	7429-90-5	Aluminum	11	Е	3	10/18/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000027	NA	SEDIMENT	7440-36-0	Antimony	0.027	Е	3	10/18/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000027	NA	SEDIMENT	7440-38-2	Arsenic	0.02	11		10/18/2000	RW	3051/6020	NA	None

Appendix 21. Total metals in soil and sediment from field sampling, February 2000.

Client Sample ID:	Strata (m)	Project Name:	NAREL Sample #:	Date Collected:	Matrix:	CAS Number	Analyte	Concentration (mg/kg dry)	<b>Qual</b> C	<b>ifiers</b> Q	Date Analyzed	Analyst	Method	Texture:	Artifacts:
Method Blank	NA	ATLAS MILL SITE	RBLK0000027	NA	SEDIMENT	7440-39-3	Barium	0.033	В		10/18/2000	RW	3051/6020	NA	None
Method Blank	INA	ATLAS MILL	KBLK000002/	NA	SEDIMENT	/440-39-3	Darium	0.055	ь		10/18/2000	K.W	3031/6020	NA	None
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-41-7	Beryllium	0.012	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL					Ź								
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-43-9	Cadmium	0.019	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-70-2	Calcium	17.8	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-47-3	Chromium	0.042	В		10/18/2000	RW	3051/6020	NA	None
M (1 1 1 1 1	3.7.4	ATLAS MILL	DDI 1/0000027	27.4	GEDD (ENT	7440 40 4	0.1.1	0.0050			10/10/2000	DIV	2051/6020	37.4	2.7
Method Blank	NA	SITE ATLAS MILL	RBLK0000027	NA	SEDIMENT	7440-48-4	Cobalt	0.0059	U		10/18/2000	RW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-50-8	Copper	0.111	В		10/18/2000	RW	3051/6020	NA	None
Method Blank	INA	ATLAS MILL	KDLK000002/	NA	SEDIMENT	/440-30-6	Соррег	0.111	ь		10/18/2000	ΚW	3031/0020	NA	None
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7439-89-6	Iron	6.7	В		10/18/2000	RW	3051/6020	NA	None
Wicthod Diank	IVA	ATLAS MILL	KBLK0000027	IVA	SEDIMENT	7437-07-0	non	0.7			10/10/2000	ΙĆW	3031/0020	INA	None
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7439-92-1	Lead	0.2	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		*			10/10/2000				
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7439-95-4	Magnesium	6.83	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL					Ŭ								
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7439-96-5	Manganese	0.078	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7439-97-6	Mercury	0.0066	U		3/20/2000	RW	7471A	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-02-0	Nickel	0.021	В		10/18/2000	RW	3051/6020	NA	None
	27.4	ATLAS MILL	DD1 11000000	37.	ann 100 m	#440.00 #					40/40/2000	D.111	2054/5020	27.1	
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-09-7	Potassium	6.15	В		10/18/2000	RW	3051/6020	NA	None
Method Blank	NA	ATLAS MILL SITE	RBLK0000027	NA	SEDIMENT	7782-49-2	Selenium	0.095	В		10/18/2000	RW	3051/6020	NIA	None
Method Blank	NA	ATLAS MILL	RBLK000002/	NA	SEDIMENT	1182-49-2	Selenium	0.095	В		10/18/2000	KW	3051/6020	NA	None
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-22-4	Silver	0.018	В		8/25/2000	RW	3051/6020	NA	None
Wicthod Blank	IVA	ATLAS MILL	KBLK0000027	IVA	SEDIMENT	/440-22-4	Silvei	0.010	- 10		6/23/2000	KW	3031/0020	INA	rvone
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-23-5	Sodium	8.99	В		10/18/2000	RW	3051/6020	NA	None
	.,	ATLAS MILL	1.122110000027		2221112111	7.1.0 23 3	50414111	0.22	-		10,10,2000		2021,0020		110110
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-28-0	Thallium	0.0055	U		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-62-2	Vanadium	0.053	В		10/18/2000	RW	3051/6020	NA	None
		ATLAS MILL													
Method Blank	NA	SITE	RBLK0000027	NA	SEDIMENT	7440-66-6	Zinc	0.0288	U		10/18/2000	RW	3051/6020	NA	None

Appendix 22. Gross alpha and beta radiation in soil and sediment from field sampling, February 2000.

								1				T						
1	Lateral Distance			ĺ					1									
Location	(m)	Matrix	NAREL ID	Collect Start	Collect End	Anaytical ID	OA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407245C	Q/I	ALPBET	0.1009	g ash wt.	0.7728	0.03882	Alpha	5.9	5.98	4.26	pci/g ash wt.	5/1/2000
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407245C		ALPBET	0.1009	g ash wt.	0.7728	0.03882	Beta	26.8	4.66	4.5	pci/g ash wt.	5/1/2000
CHW	SOIL	SOIL	A0.01351C	2/23/2000 0:00	2/23/2000 0:00	00407269L		ALPBET	0.1001	g ash wt.	0.818	0.0332	Alpha	0.975	5.6	5.39	pci/g ash wt.	4/28/2000
CHW UG	SOIL SOIL	SOIL SOIL	A0.01351C A0.01355G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407269L 00407285L		ALPBET ALPBET	0.1001	g ash wt.	0.818	0.0332	Beta Alpha	7.23 17.8	4.43 7.77	6.53 5.17	pci/g ash wt. pci/g ash wt.	4/28/2000 4/28/2000
UG	SOIL	SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407285L		ALPBET	0.1012	g ash wt.	0.7156	0.0389	Beta	43.5	6.1	6.48	pci/g ash wt.	4/28/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407277L		ALPBET	0.1007	g ash wt.	0.7521	0.03826	Alpha	31	9.24	5.19	pci/g ash wt.	4/28/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407277L		ALPBET	0.1007	g ash wt.	0.7521	0.03826	Beta	47	6.39	6.75	pci/g ash wt.	4/28/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407217Y		ALPBET	0.1011	g ash wt.	0.7035	0.04189	Alpha	13.9	7	3.55	pci/g ash wt.	4/27/2000
U4 U2	SOIL SOIL	SOIL	A0.01338F A0.01334B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407217Y 00407201P		ALPBET ALPBET	0.1011 0.1012	g ash wt.	0.7035	0.04189	Beta Alpha	32.5 12.9	5.42 6.82	5.97 3.52	pci/g ash wt. pci/g ash wt.	4/27/2000 4/27/2000
U2	SOIL	SOIL	A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407201P		ALPBET	0.1012	g ash wt.	0.7011	0.03858	Beta	28.4	5.19	5.9	pci/g ash wt.	4/27/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407189M		ALPBET	0.1002	g ash wt.	0.8275	0.03238	Alpha	1.85	6.47	8.18	pci/g ash wt.	4/27/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407189M		ALPBET	0.1002	g ash wt.	0.8275	0.03238	Beta	15.1	5	6.87	pci/g ash wt.	4/27/2000
E10	SOIL	SOIL	A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407261C		ALPBET	0.1006	g ash wt.	0.8104	0.03097	Alpha	7.4	6.28	4.32	pci/g ash wt.	5/1/2000
E10 MW	SOIL UPDRAW(UD)	SOIL SOIL	A0.01349J A0.01339G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407261C 00407221U		ALPBET ALPBET	0.1006 0.1009	g ash wt.	0.8104 0.8809	0.03097 0.03418	Beta Alpha	22.2 12.3	4.47 7.72	4.6 8.06	pci/g ash wt. pci/g ash wt.	5/1/2000 4/27/2000
MW	UPDRAW(UD)	SOIL	A0.01339G A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407221U		ALPBET	0.1009	g ash wt.	0.8809	0.03418	Beta	25.3	5.47	6.87	pci/g ash wt.	4/27/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	004071231V		ALPBET	0.1026	g ash wt.	0.6739	0.04689	Alpha	16	7.77	6.59	pci/g ash wt.	4/7/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407133V		ALPBET	0.1026	g ash wt.	0.6739	0.04689	Beta	37.4	5.51	5.7	pci/g ash wt.	4/7/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407159F		ALPBET	0.1016	g ash wt.	0.7116	0.03937	Alpha	16.5	7.89	7.67	pci/g ash wt.	4/27/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407159F		ALPBET	0.1016	g ash wt.	0.7116	0.03937	Beta	31.3	5.54	6.58	pci/g ash wt.	4/27/2000
D4 D4	SOIL SOIL	SOIL SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407155B 00407155B		ALPBET ALPBET	0.1009 0.1009	g ash wt.	0.7442 0.7442	0.0365 0.0365	Alpha Beta	12.2 29.1	6.82 5.3	3.58	pci/g ash wt. pci/g ash wt.	4/27/2000 4/27/2000
D6	SOIL	SOIL	A0.013251 A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00407133B		ALPBET	0.1003	g ash wt.	0.7442	0.03333	Alpha	15	7.32	4 28	pci/g ash wt.	4/6/2000
D6	SOIL	SOIL	A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406999L		ALPBET	0.1013	g ash wt.	0.793	0.03333	Beta	26.1	4.75	4.91	pci/g ash wt.	4/6/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407179K		ALPBET	0.1008	g ash wt.	0.8228	0.0343	Alpha	6.99	6.46	5.73	pci/g ash wt.	4/27/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407179K		ALPBET	0.1008	g ash wt.	0.8228	0.0343	Beta	27.4	5.25	6.03	pci/g ash wt.	4/27/2000
D10	SOIL SOIL	SOIL SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407121Q 00407121O		ALPBET ALPBET	0.1001 0.1001	g ash wt.	0.7742 0.7742	0.03435 0.03435	Alpha	10.7 22.7	7.05 5.02	6.21	pci/g ash wt.	4/7/2000 4/7/2000
D10 D15	SOIL	SOIL	A0.01315 Y A0.01343 C	2/23/2000 0:00	2/23/2000 0:00	00407121Q 00407237C		ALPBET	0.1001	g ash wt.	0.7776	0.03435	Beta Alpha	10.7	6.84	4.14	pci/g ash wt. pci/g ash wt.	5/1/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407237C		ALPBET	0.1003	g ash wt.	0.7776	0.03837	Beta	24.2	4.64	4.77	pci/g ash wt.	5/1/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407117V		ALPBET	0.1007	g ash wt.	0.7384	0.03783	Alpha	15.7	7.94	6.83	pci/g ash wt.	4/7/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407117V		ALPBET	0.1007	g ash wt.	0.7384	0.03783	Beta	26.1	5.15	5.94	pci/g ash wt.	4/7/2000
HWY 191	NS	SEDIMENT	A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407281G		ALPBET	0.101	g ash wt.	0.6884	0.05029	Alpha	11.7	6.91	5.53	pci/g ash wt.	4/28/2000
HWY 191 CHW	NS NS	SEDIMENT SEDIMENT	A0.01354F A0.01333A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407281G 00407197M		ALPBET ALPBET	0.101 0.1002	g ash wt.	0.6884 0.7952	0.05029 0.03569	Beta Alpha	29.1 3.69	5.15 5.76	5.68	pci/g ash wt. pci/g ash wt.	4/28/2000 4/27/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407197M 00407197M		ALPBET	0.1002	g ash wt.	0.7952	0.03569	Beta	11.3	4.39	6.01	pci/g ash wt.	4/27/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407183F		ALPBET	0.1007	g ash wt.	0.7375	0.0385	Alpha	13.8	7.03	4.94	pci/g ash wt.	4/27/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407183F		ALPBET	0.1007	g ash wt.	0.7375	0.0385	Beta	33.6	5.45	5.95	pci/g ash wt.	4/27/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407187K	DUP	ALPBET	0.1008	g ash wt.	0.7375	0.0385	Alpha	15	7.21	3.59	pci/g ash wt.	4/27/2000
UG UX	NS NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407187K	DUP	ALPBET	0.1008	g ash wt.	0.7375	0.0385 0.04054	Beta	32.6 23.7	5.48 8.11	6.06	pci/g ash wt.	4/27/2000
UX	NS NS	SEDIMENT SEDIMENT	A0.01352D A0.01352D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00	00407273G 00407273G		ALPBET ALPBET	0.1007 0.1007	g ash wt.	0.7264 0.7264	0.04054	Alpha Beta	36.5	5.63	3.49 5.99	pci/g ash wt. pci/g ash wt.	4/28/2000 4/28/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407193H		ALPBET	0.1007	g ash wt.	0.5828	0.07691	Alpha	101	14.4	5.52	pci/g ash wt.	4/27/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407193H		ALPBET	0.1015	g ash wt.	0.5828	0.07691	Beta	129	9.02	7.09	pci/g ash wt.	4/27/2000
U4	NS	SEDIMENT	A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407205U		ALPBET	0.1008	g ash wt.	0.6745	0.04245	Alpha	17.6	8.14	7.82	pci/g ash wt.	4/27/2000
U4	NS	SEDIMENT	A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407205U		ALPBET	0.1008	g ash wt.	0.6745	0.04245	Beta	34.8	5.79	6.74	pci/g ash wt.	4/27/2000
U4 U4	1	SEDIMENT SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407229C 00407229C		ALPBET ALPBET	0.1013	g ash wt.	0.6954 0.6954	0.04121 0.04121	Alpha	13.1 30.3	6.94 4.84	4.2 4.58	pci/g ash wt. pci/g ash wt.	5/1/2000 5/1/2000
U4 U2	NS NS	SEDIMENT	A0.01341A A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407229C 00407137Z		ALPBET	0.1013	g ash wt.	0.6954	0.04121	Beta Alpha	7.28	6.5	6.1	pci/g ash wt.	5/1/2000 4/7/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407137Z		ALPBET	0.1009	g ash wt.	0.7374	0.03929	Beta	24.8	5.03	5.86	pci/g ash wt.	4/7/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407249G		ALPBET	0.1009	g ash wt.	0.8273	0.03182	Alpha	11.6	6.66	4.09	pci/g ash wt.	5/1/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407249G		ALPBET	0.1009	g ash wt.	0.8273	0.03182	Beta	23.3	4.43	4.52	pci/g ash wt.	5/1/2000
E4	1	SEDIMENT	A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407241Y		ALPBET	0.1006	g ash wt.	0.8002	0.03873	Alpha	6.47	5.98	4.34	pci/g ash wt.	5/1/2000
E4 E4	1 5	SEDIMENT SEDIMENT	A0.01344D A0.01347G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407241Y 00407253C		ALPBET ALPBET	0.1006 0.1009	g ash wt.	0.8002 0.8273	0.03873	Beta Alpha	24.1 7.87	4.51 6.44	4.57 4.15	pci/g ash wt. pci/g ash wt.	5/1/2000 5/1/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407253C		ALPBET	0.1009	g ash wt.	0.8273	0.03154	Beta	16.4	4.16	4.72	pci/g ash wt.	5/1/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407257G		ALPBET	0.1005	g ash wt.	0.8353	0.03053	Alpha	6.57	6.07	4.4	pci/g ash wt.	5/1/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407257G		ALPBET	0.1005	g ash wt.	0.8353	0.03053	Beta	21	4.38	4.64	pci/g ash wt.	5/1/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407265G		ALPBET	0.101	g ash wt.	0.7958	0.03735	Alpha	7.16	6.05	4.12	pci/g ash wt.	5/1/2000
E10 E10	NS 1	SEDIMENT SEDIMENT	A0.01350B A0.01356H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407265G 00407289Q		ALPBET ALPBET	0.101 0.101	g ash wt.	0.7958 0.6719	0.03735 0.05121	Beta Alpha	27.8 10.9	4.67 6.47	4.45 3.47	pci/g ash wt.	5/1/2000 4/28/2000
E10 E10	1	SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407289Q 00407289O		ALPBET	0.101	g ash wt.	0.6719	0.05121	Alpna Beta	23.9	4.93	5.75	pci/g ash wt. pci/g ash wt.	4/28/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407209Y		ALPBET	0.101	g ash wt.	0.7883	0.03709	Alpha	11.7	7.1	5.74	pci/g ash wt.	4/27/2000
		SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407209Y		ALPBET	0.1007	g ash wt.	0.7883	0.03709	Beta	24.7	5.15	6.11	pci/g ash wt.	4/27/2000
MW	NS	SEDIMENT	110.01330B															

MW	1	SEDIMENT A0.01337	E 2/23/2000 0:00	2/23/2000 0:00	00407213U		ALPBET	0.1007	g ash wt.	0.6593	0.04825	Beta	30.4	5.31	5.98	pci/g ash wt.	4/27/2000
D2	1	SEDIMENT A0.01325	A 2/23/2000 0:00	2/23/2000 0:00	00407163B		ALPBET	0.1007	g ash wt.	0.6503	0.04815	Alpha	11.3	6.91	5.58	pci/g ash wt.	4/27/2000
D2	1	SEDIMENT A0.01325	A 2/23/2000 0:00	2/23/2000 0:00	00407163B		ALPBET	0.1007	g ash wt.	0.6503	0.04815	Beta	29.7	5.28	5.94	pci/g ash wt.	4/27/2000
D2	5	SEDIMENT A0.01340	2/23/2000 0:00	2/23/2000 0:00	00407225Y		ALPBET	0.1004	g ash wt.	0.7758	0.04401	Alpha	9.67	6.63	4.09	pci/g ash wt.	5/1/2000
D2	5	SEDIMENT A0.01340	2/23/2000 0:00	2/23/2000 0:00	00407225Y		ALPBET	0.1004	g ash wt.	0.7758	0.04401	Beta	19.7	4.34	4.7	pci/g ash wt.	5/1/2000
D2	5	SEDIMENT A0.01340	2/23/2000 0:00	2/23/2000 0:00	00410088H	DUP	ALPBET	0.1008	g ash wt.	0.7758	0.04401	Alpha	10.1	6.52	4.34	pci/g ash wt.	5/1/2000
D2	5	SEDIMENT A0.01340	2/23/2000 0:00	2/23/2000 0:00	00410088H	DUP	ALPBET	0.1008	g ash wt.	0.7758	0.04401	Beta	21.6	4.4	4.65	pci/g ash wt.	5/1/2000
D2	NS	SEDIMENT A0.01321	V 2/23/2000 0:00	2/23/2000 0:00	00407147B		ALPBET	0.101	g ash wt.	0.668	0.0519	Alpha	10.4	7.25	6.79	pci/g ash wt.	4/7/2000
D2	NS	SEDIMENT A0.01321	V 2/23/2000 0:00	2/23/2000 0:00	00407147B		ALPBET	0.101	g ash wt.	0.668	0.0519	Beta	34.3	5.48	5.82	pci/g ash wt.	4/7/2000
D4	1	SEDIMENT A0.01326	3 2/23/2000 0:00	2/23/2000 0:00	00407167F		ALPBET	0.1013	g ash wt.	0.5366	0.0905	Alpha	13.7	6.96	4.88	pci/g ash wt.	4/27/2000
D4	1	SEDIMENT A0.01326	3 2/23/2000 0:00	2/23/2000 0:00	00407167F		ALPBET	0.1013	g ash wt.	0.5366	0.0905	Beta	31	5.28	5.87	pci/g ash wt.	4/27/2000
D4	5	SEDIMENT A0.01322	2/23/2000 0:00	2/23/2000 0:00	00407151X		ALPBET	0.1004	g ash wt.	0.5959	0.07411	Alpha	15.5	7.58	6.11	pci/g ash wt.	4/7/2000
D4	5	SEDIMENT A0.01322	2/23/2000 0:00	2/23/2000 0:00	00407151X		ALPBET	0.1004	g ash wt.	0.5959	0.07411	Beta	31.6	5.42	6.01	pci/g ash wt.	4/7/2000
D4	NS	SEDIMENT A0.01320	V 2/23/2000 0:00	2/23/2000 0:00	00407141V		ALPBET	0.1014	g ash wt.	0.5126	0.08329	Alpha	10.6	7.29	7.08	pci/g ash wt.	4/7/2000
D4	NS	SEDIMENT A0.01320		2/23/2000 0:00	00407141V		ALPBET	0.1014	g ash wt.	0.5126	0.08329	Beta	27.2	5.27	6.13	pci/g ash wt.	4/7/2000
D4	NS	SEDIMENT A0.01320		2/23/2000 0:00	00407145Z	DUP	ALPBET	0.1017	g ash wt.	0.5126	0.08329	Alpha	13	7.04	5.5	pci/g ash wt.	4/7/2000
D4	NS	SEDIMENT A0.01320		2/23/2000 0:00	00407145Z	DUP	ALPBET	0.1017	g ash wt.	0.5126	0.08329	Beta	25.1	5.09	6.04	pci/g ash wt.	4/7/2000
D6	10	SEDIMENT A0.01309		2/23/2000 0:00	00407011K		ALPBET	0.1004	g ash wt.	0.7717	0.05174	Alpha	7.81	6.26	4.55	pci/g ash wt.	4/6/2000
D6	10	SEDIMENT A0.01309		2/23/2000 0:00	00407011K		ALPBET	0.1004	g ash wt.	0.7717	0.05174	Beta	20.7	4.39	4.73	pci/g ash wt.	4/6/2000
D6	1	SEDIMENT A0.01307		2/23/2000 0:00	00407003K		ALPBET	0.1007	g ash wt.	0.8638	0.02871	Alpha	15.6	7.31	4.55	pci/g ash wt.	4/6/2000
D6	1	SEDIMENT A0.01307		2/23/2000 0:00	00407003K		ALPBET	0.1007	g ash wt.	0.8638	0.02871	Beta	26.6	4.74	4.81	pci/g ash wt.	4/6/2000
D6	5	SEDIMENT A0.01308		2/23/2000 0:00	00407007P		ALPBET	0.1014	g ash wt.	0.7108	0.04426	Alpha	11.4	6.75	4.32	pci/g ash wt.	4/6/2000
D6	5	SEDIMENT A0.01308		2/23/2000 0:00	00407007P		ALPBET	0.1014	g ash wt.	0.7108	0.04426	Beta	26.8	4.73	4.76	pci/g ash wt.	4/6/2000
D6	NS	SEDIMENT A0.01310		2/23/2000 0:00	00407015P		ALPBET	0.101	g ash wt.	0.6803	0.05444	Alpha	14.7	7.31	4.31	pci/g ash wt.	4/6/2000
D6	NS	SEDIMENT A0.01310		2/23/2000 0:00	00407015P		ALPBET	0.101	g ash wt.	0.6803	0.05444	Beta	32.4	5.09	4.94	pci/g ash wt.	4/6/2000
D8	1	SEDIMENT A0.01327		2/23/2000 0:00	00407171B		ALPBET	0.1009	g ash wt.	0.7492	0.03832	Alpha	13.2	6.97	3.6	pci/g ash wt.	4/27/2000
D8	1	SEDIMENT A0.01327		2/23/2000 0:00	00407171B		ALPBET	0.1009	g ash wt.	0.7492	0.03832	Beta	25.1	5.13	6.04	pci/g ash wt.	4/27/2000
D8	5	SEDIMENT A0.01311		2/23/2000 0:00	00407019U		ALPBET	0.1003	g ash wt.	0.7798	0.03269	Alpha	1.86	5.37	4.6	pci/g ash wt.	4/6/2000
D8	5	SEDIMENT A0.01311		2/23/2000 0:00	00407019U		ALPBET	0.1003	g ash wt.	0.7798	0.03269	Beta	24.4	4.57	4.62	pci/g ash wt.	4/6/2000
D8	NS	SEDIMENT A0.01312		2/23/2000 0:00	00407109V		ALPBET	0.1004	g ash wt.	0.8055	0.03479	Alpha	9.3	6.6	4.44	pci/g ash wt.	4/6/2000
D8	NS	SEDIMENT A0.01312		2/23/2000 0:00	00407109V	1	ALPBET	0.1004	g ash wt.	0.8055	0.03479	Beta	28.9	4.93	4.87	pci/g ash wt.	4/6/2000
D10	NS	SEDIMENT A0.01316		2/23/2000 0:00	00407125V		ALPBET	0.0997	g ash wt.	0.8069	0.03648	Alpha	7.63	7.07	7.3	pci/g ash wt.	4/7/2000
D10	NS	SEDIMENT A0.01316		2/23/2000 0:00	00407125V		ALPBET	0.0997	g ash wt.	0.8069	0.03648	Beta	19.9	5.03	6.31	pci/g ash wt.	4/7/2000
D10		SEDIMENT A0.01317		2/23/2000 0:00	00407129Z		ALPBET	0.1007	g ash wt.	0.8236	0.03332	Alpha	7.32	6.41	5.63	pci/g ash wt.	4/7/2000
D10	1	SEDIMENT A0.01317		2/23/2000 0:00	00407129Z		ALPBET	0.1007	g ash wt.	0.8236	0.03332	Beta	27.1	5.26	6.12	pci/g ash wt.	4/7/2000
D10	5	SEDIMENT A0.01328		2/23/2000 0:00	00407175F		ALPBET	0.1003	g ash wt.	0.8434	0.03252	Alpha	5.98	7.01	8.15	pci/g ash wt.	4/27/2000
D10	5	SEDIMENT A0.01328		2/23/2000 0:00	00407175F		ALPBET	0.1003	g ash wt.	0.8434	0.03252	Beta	13.1	4.91	6.89	pci/g ash wt.	4/27/2000
D15	NS	SEDIMENT A0.01313		2/23/2000 0:00	00407113Q		ALPBET	0.1011	g ash wt.	0.7464	0.03713	Alpha	14.4	7.07	4.47	pci/g ash wt.	4/6/2000
D15	NS	SEDIMENT A0.01313		2/23/2000 0:00	00407113Q		ALPBET	0.1011	g ash wt.	0.7464	0.03713	Beta	33.6	5.05	4.76	pci/g ash wt.	4/6/2000
D20	NS	SEDIMENT A0.01342		2/23/2000 0:00	00407233Y	1	ALPBET	0.101	g ash wt.	0.7587	0.03931	Alpha	12.1	6.72	4.09	pci/g ash wt.	5/1/2000
D20	NS	SEDIMENT A0.01342	3 2/23/2000 0:00	2/23/2000 0:00	00407233Y		ALPBET	0.101	g ash wt.	0.7587	0.03931	Beta	29.2	4.76	4.52	pci/g ash wt.	5/1/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
HWY 191 HWY 191	SOIL SOIL	SOIL	A0.01345E A0.01345E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407244B 00407244B		GAMMA GAMMA	617 617	g dry wt. g dry wt.	0.7728 0.7728	0.03882 0.03882	Ba140 Bi212	1.1	0.127	4.26	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407244B		GAMMA	617	g dry wt.	0.7728	0.03882	Bi214	1.38	0.0825		pci/g dry wt.	2/23/2000
HWY 191 HWY 191	SOIL SOIL	SOIL	A0.01345E A0.01345E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407244B 00407244B		GAMMA GAMMA	617 617	g dry wt. g dry wt.	0.7728 0.7728	0.03882 0.03882	Co60 Cs137	0.0999	0.0113	0.019	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	SOIL	SOIL	A0.01345E A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407244B 00407244B		GAMMA	617	g dry wt.	0.7728	0.03882	I131	0.0999	0.0113	14.8	pci/g dry wt.	2/23/2000
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407244B		GAMMA	617	g dry wt.	0.7728	0.03882	K40	16.3	0.955		pci/g dry wt.	2/23/2000
HWY 191 HWY 191	SOIL SOIL	SOIL SOIL	A0.01345E A0.01345E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407244B 00407244B		GAMMA GAMMA	617 617	g dry wt. g dry wt.	0.7728 0.7728	0.03882 0.03882	Pb212 PB214	1.3 1.53	0.0775 0.0902		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407244B		GAMMA	617	g dry wt.	0.7728	0.03882	Ra224	1.07	0.253		pci/g dry wt.	2/23/2000
HWY 191 HWY 191	SOIL SOIL	SOIL	A0.01345E A0.01345E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407244B 00407244B		GAMMA GAMMA	617 617	g dry wt. g dry wt.	0.7728 0.7728	0.03882 0.03882	Ra226 Ra228	3.09 1.16	0.307 0.0732		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407244B 00407244B		GAMMA	617	g dry wt.	0.7728	0.03882	Th234	1.13	0.0732		pci/g dry wt.	2/23/2000
HWY 191	SOIL	SOIL	A0.01345E	2/23/2000 0:00	2/23/2000 0:00	00407244B		GAMMA	617	g dry wt.	0.7728	0.03882	T1208	0.421	0.0276		pci/g dry wt.	2/23/2000
HWY 191 CHW	SOIL SOIL	SOIL	A0.01345E A0.01351C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407244B 00407268K		GAMMA GAMMA	617 696	g dry wt. g dry wt.	0.7728 0.818	0.03882 0.0332	U235 Ba140	0.188	0.0186	3.37	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	SOIL	SOIL	A0.01351C	2/23/2000 0:00	2/23/2000 0:00	00407268K		GAMMA	696	g dry wt.	0.818	0.0332	Bi212	0.164	0.0674		pci/g dry wt.	2/23/2000
CHW	SOIL SOIL	SOIL	A0.01351C A0.01351C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407268K 00407268K		GAMMA GAMMA	696 696	g dry wt. g dry wt.	0.818 0.818	0.0332 0.0332	Bi214 Co60	0.14	0.0164	0.0136	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	SOIL	SOIL	A0.01351C A0.01351C	2/23/2000 0:00	2/23/2000 0:00	00407268K		GAMMA	696	g dry wt.	0.818	0.0332	Cs137	0.0157	0.00558	0.0130	pci/g dry wt.	2/23/2000
CHW	SOIL	SOIL	A0.01351C	2/23/2000 0:00	2/23/2000 0:00	00407268K		GAMMA	696	g dry wt.	0.818	0.0332	I131			10.1	pci/g dry wt.	2/23/2000
CHW	SOIL SOIL	SOIL	A0.01351C A0.01351C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407268K 00407268K		GAMMA GAMMA	696 696	g dry wt.	0.818	0.0332 0.0332	K40 Pb212	5.66 0.112	0.358		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	SOIL	SOIL	A0.01351C	2/23/2000 0:00	2/23/2000 0:00	00407268K		GAMMA	696	g dry wt.	0.818	0.0332	Pb214	0.112	0.0155		pci/g dry wt.	2/23/2000
CHW	SOIL	SOIL	A0.01351C	2/23/2000 0:00	2/23/2000 0:00	00407268K		GAMMA	696	g dry wt.	0.818	0.0332	Ra226	0.242	0.136		pci/g dry wt.	2/23/2000
CHW	SOIL SOIL	SOIL SOIL	A0.01351C A0.01351C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407268K 00407268K		GAMMA GAMMA	696 696	g dry wt.	0.818	0.0332 0.0332	Ra228 Tl208	0.0971	0.0202 0.00756		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	SOIL	SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K		GAMMA	512	g dry wt.	0.7156	0.0389	Ba140			8.62	pci/g dry wt.	2/23/2000
UG UG	SOIL	SOIL	A0.01355G A0.01355G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407284K 00407284K		GAMMA GAMMA	512 512	g dry wt. g dry wt.	0.7156 0.7156	0.0389	B1212 B1214	1.09	0.186		pci/g dry wt. pci/g dry wt.	2/23/2000
UG	SOIL	SOIL	A0.01355G A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K		GAMMA	512	g dry wt.	0.7156	0.0389	Co60	1.33	0.0931	0.0312	pci/g dry wt.	2/23/2000
UG	SOIL	SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K		GAMMA	512	g dry wt.	0.7156	0.0389	Cs137	0.436	0.0318		pci/g dry wt.	2/23/2000
UG UG	SOIL	SOIL	A0.01355G A0.01355G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407284K 00407284K		GAMMA GAMMA	512 512	g dry wt.	0.7156	0.0389	I131 K40	20.6	1.23	22.1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	SOIL	SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K		GAMMA	512	g dry wt.	0.7156	0.0389	Pa234m	12.4	1.75		pci/g dry wt.	2/23/2000
UG UG	SOIL SOIL	SOIL	A0.01355G A0.01355G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407284K 00407284K		GAMMA GAMMA	512 512	g dry wt.	0.7156 0.7156	0.0389	Pb212 Pb214	1.27	0.08		pci/g dry wt.	2/23/2000 2/23/2000
UG	SOIL	SOIL	A0.01355G A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K 00407284K		GAMMA	512	g dry wt. g dry wt.	0.7156	0.0389	Ra224	1.74	0.103		pci/g dry wt. pci/g dry wt.	2/23/2000
UG	SOIL	SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K		GAMMA	512	g dry wt.	0.7156	0.0389	Ra226	6.52	0.535		pci/g dry wt.	2/23/2000
UG UG	SOIL SOIL	SOIL	A0.01355G A0.01355G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407284K 00407284K		GAMMA GAMMA	512 512	g dry wt. g dry wt.	0.7156 0.7156	0.0389	Ra228 Th234	1.16	0.08		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	SOIL	SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K		GAMMA	512	g dry wt.	0.7156	0.0389	T1208	0.418	0.031		pci/g dry wt.	2/23/2000
UG UX	SOIL SOIL	SOIL SOIL	A0.01355G	2/23/2000 0:00	2/23/2000 0:00	00407284K 00407276K		GAMMA	512 586	g dry wt.	0.7156	0.0389	U235	0.376	0.0313	0.03	pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407276K 00407276K		GAMMA GAMMA	586	g dry wt. g dry wt.	0.7521 0.7521	0.03826 0.03826	Ba140 Bi212	0.799	0.195	8.93	pci/g dry wt. pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K		GAMMA	586	g dry wt.	0.7521	0.03826	Bi214	1.51	0.0947		pci/g dry wt.	2/23/2000
UX	SOIL SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407276K 00407276K		GAMMA GAMMA	586 586	g dry wt. g dry wt.	0.7521 0.7521	0.03826 0.03826	Co60 Cs137	0.183	0.02	0.0308	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K		GAMMA	586	g dry wt.	0.7521	0.03826	I131	0.103	0.02	23.1	pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K		GAMMA	586	g dry wt.	0.7521	0.03826	K40	17.6	1.06		pci/g dry wt.	2/23/2000
UX	SOIL SOIL	SOIL SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407276K 00407276K		GAMMA GAMMA	586 586	g dry wt. g dry wt.	0.7521 0.7521	0.03826 0.03826	Pa234m Pb212	15.1	1.92 0.0716		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K		GAMMA	586	g dry wt.	0.7521	0.03826	Pb214	1.68	0.103		pci/g dry wt.	2/23/2000
UX UX	SOIL SOIL	SOIL SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407276K 00407276K		GAMMA GAMMA	586 586	g dry wt.	0.7521 0.7521	0.03826 0.03826	Ra223 Ra224	0.141	0.0761		pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K 00407276K		GAMMA	586	g dry wt. g dry wt.	0.7521	0.03826	Ra224 Ra226	3.03	0.399		pci/g dry wt. pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K		GAMMA	586	g dry wt.	0.7521	0.03826	Ra228	0.882	0.0684		pci/g dry wt.	2/23/2000
UX	SOIL SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407276K 00407276K		GAMMA GAMMA	586 586	g dry wt.	0.7521	0.03826	Th234 T1208	14.9 0.345	0.88		pci/g dry wt. pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00407276K		GAMMA	586	g dry wt.	0.7521	0.03826	U235	0.785	0.0522		pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	Ba140	0.007	0.126	11.7	pci/g dry wt.	2/23/2000
UX	SOIL SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00411363M 00411363M	DUP	GAMMA GAMMA	586 586	g dry wt. g dry wt.	0.7521 0.7521	0.03826 0.03826	Bi212 Bi214	0.986 1.54	0.126 0.0914		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	Co60			0.02	pci/g dry wt.	2/23/2000
UX	SOIL SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00411363M 00411363M	DUP	GAMMA GAMMA	586 586	g dry wt.	0.7521 0.7521	0.03826 0.03826	Cs137 I131	0.201	0.0165	15.9	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UA	SUIL	SUIL	A0.01555E	2/23/2000 0:00	2/23/2000 0:00	00411303W	DUP	UAMMA	380	g dry wt.	0.7321	0.03820	1131	l		13.9	pci/g ary wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start 2/23/2000 0:00	Collect End 2/23/2000 0:00	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet 0.7521	Ash/Dry 0.03826	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date 2/23/2000
UX	SOIL SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M 00411363M	DUP DUP	GAMMA GAMMA	586 586	g dry wt. g dry wt.	0.7521	0.03826	K40 Pa234m	19.8 16.3	1.15		pci/g dry wt. pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	Pb212	1.06	0.0646		pci/g dry wt.	2/23/2000
UX	SOIL SOIL	SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00	00411363M 00411363M	DUP	GAMMA GAMMA	586 586	g dry wt. g dry wt.	0.7521 0.7521	0.03826 0.03826	Pb214 Ra224	1.67 0.714	0.0983		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	Ra226	3.18	0.373		pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	Ra228	0.946	0.0617		pci/g dry wt.	2/23/2000
UX UX	SOIL SOIL	SOIL SOIL	A0.01353E A0.01353E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00411363M 00411363M	DUP DUP	GAMMA GAMMA	586 586	g dry wt. g dry wt.	0.7521 0.7521	0.03826 0.03826	Th227 Th234	0.198 14.9	0.093		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	T1208	0.348	0.0239		pci/g dry wt.	2/23/2000
UX	SOIL	SOIL	A0.01353E	2/23/2000 0:00	2/23/2000 0:00	00411363M	DUP	GAMMA	586	g dry wt.	0.7521	0.03826	U235	0.707	0.0444	2.12	pci/g dry wt.	2/23/2000
U4 U4	SOIL SOIL	SOIL	A0.01338F A0.01338F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407216X 00407216X	<del>                                     </del>	GAMMA GAMMA	577 577	g dry wt. g dry wt.	0.7035 0.7035	0.04189 0.04189	Ba140 Bi212	0.94	0.123	3.13	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X		GAMMA	577	g dry wt.	0.7035	0.04189	Bi214	1.05	0.0643		pci/g dry wt.	2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X	ļļ	GAMMA	577	g dry wt.	0.7035	0.04189	Co60	0.247	0.0105	0.0191	pci/g dry wt.	2/23/2000
U4 U4	SOIL SOIL	SOIL	A0.01338F A0.01338F	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407216X 00407216X	<del>                                     </del>	GAMMA GAMMA	577 577	g dry wt.	0.7035 0.7035	0.04189 0.04189	Cs137 I131	0.247	0.0185	9.44	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X		GAMMA	577	g dry wt.	0.7035	0.04189	K40	19.1	1.11	2.11	pci/g dry wt.	2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X		GAMMA	577	g dry wt.	0.7035	0.04189	Pa234m	2.96	0.97		pci/g dry wt.	2/23/2000
U4 U4	SOIL SOIL	SOIL	A0.01338F A0.01338F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407216X 00407216X	<del>                                     </del>	GAMMA GAMMA	577 577	g dry wt. g dry wt.	0.7035 0.7035	0.04189 0.04189	Pb212 Pb214	0.953 1.15	0.0589 0.0692		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X 00407216X	<del>                                     </del>	GAMMA	577	g dry wt.	0.7035	0.04189	Ra224	0.827	0.0092		pci/g dry wt.	2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X		GAMMA	577	g dry wt.	0.7035	0.04189	Ra226	2.86	0.303		pci/g dry wt.	2/23/2000
U4 U4	SOIL SOIL	SOIL	A0.01338F A0.01338F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407216X 00407216X	<del>                                     </del>	GAMMA GAMMA	577 577	g dry wt. g dry wt.	0.7035 0.7035	0.04189	Ra228 Th234	0.85	0.0562 0.326		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X 00407216X	1 1	GAMMA	577	g dry wt.	0.7035	0.04189	T1208	0.31	0.0217		pci/g dry wt.	2/23/2000
U4	SOIL	SOIL	A0.01338F	2/23/2000 0:00	2/23/2000 0:00	00407216X		GAMMA	577	g dry wt.	0.7035	0.04189	U235	0.113	0.0164		pci/g dry wt.	2/23/2000
U2 U2	SOIL SOIL	SOIL	A0.01334B A0.01334B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407200N 00407200N	<b>├</b>	GAMMA	562 562	g dry wt.	0.7011 0.7011	0.03858	Ba140 Bi212	0.919	0.136	2.3	pci/g dry wt.	2/23/2000 2/23/2000
U2	SOIL	SOIL	A0.01334B A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N 00407200N	<del>                                     </del>	GAMMA GAMMA	562	g dry wt. g dry wt.	0.7011	0.03858	Bi212	1 29	0.136		pci/g dry wt. pci/g dry wt.	2/23/2000
U2	SOIL	SOIL	A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N		GAMMA	562	g dry wt.	0.7011	0.03858	Co60		0.000	0.0258	pci/g dry wt.	2/23/2000
U2	SOIL SOIL	SOIL	A0.01334B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407200N	<b>├</b>	GAMMA	562 562	g dry wt.	0.7011	0.03858	Cs137	0.174	0.0139	4.02	pci/g dry wt.	2/23/2000 2/23/2000
U2 U2	SOIL	SOIL	A0.01334B A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N 00407200N	<del>                                     </del>	GAMMA GAMMA	562	g dry wt.	0.7011	0.03858	I131 K40	16.9	0 304	4.92	pci/g dry wt. pci/g dry wt.	2/23/2000
U2	SOIL	SOIL	A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N		GAMMA	562	g dry wt.	0.7011	0.03858	Pa234m	2.42	1.31		pci/g dry wt.	2/23/2000
U2 U2	SOIL SOIL	SOIL	A0.01334B A0.01334B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407200N 00407200N	<b>├</b>	GAMMA GAMMA	562 562	g dry wt.	0.7011	0.03858	Pb212 Pb214	1.07	0.0308		pci/g dry wt.	2/23/2000 2/23/2000
U2 U2	SOIL	SOIL	A0.01334B A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N 00407200N	<del>                                     </del>	GAMMA	562	g dry wt. g dry wt.	0.7011	0.03858	Ra224	0.385	0.0317		pci/g dry wt. pci/g dry wt.	2/23/2000
U2	SOIL	SOIL	A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N		GAMMA	562	g dry wt.	0.7011	0.03858	Ra226	1.73	0.328		pci/g dry wt.	2/23/2000
U2	SOIL	SOIL	A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N	ļļ	GAMMA	562	g dry wt.	0.7011	0.03858	Ra228	0.941	0.038		pci/g dry wt.	2/23/2000
U2 U2	SOIL SOIL	SOIL	A0.01334B A0.01334B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407200N 00407200N	<del>                                     </del>	GAMMA GAMMA	562 562	g dry wt. g dry wt.	0.7011 0.7011	0.03858	Th234 Tl208	2.25 0.345	0.276 0.0168		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U2	SOIL	SOIL	A0.01334B	2/23/2000 0:00	2/23/2000 0:00	00407200N	t	GAMMA	562	g dry wt.	0.7011	0.03858	U235	0.137	0.0193		pci/g dry wt.	2/23/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L		GAMMA	701	g dry wt.	0.8275	0.03238	Ba140	0.22	0.142	0.623	pci/g dry wt.	2/23/2000
E4 E4	SOIL SOIL	SOIL	A0.01331Y A0.01331Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407188L 00407188L	<del>                                     </del>	GAMMA GAMMA	701 701	g dry wt. g dry wt.	0.8275 0.8275	0.03238 0.03238	Bi212 Bi214	0.33	0.143 0.0411		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L	t	GAMMA	701	g dry wt.	0.8275	0.03238	Co60	1.32	0.0411	0.0294	pci/g dry wt.	2/23/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L		GAMMA	701	g dry wt.	0.8275	0.03238	Cs137	0.016	0.0144	0.506	pci/g dry wt.	2/23/2000
E4 E4	SOIL	SOIL	A0.01331Y A0.01331Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407188L 00407188L	+ +	GAMMA GAMMA	701 701	g dry wt. g dry wt.	0.8275 0.8275	0.03238	I131 K40	14.8	0.414	0.586	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	SOIL	SOIL	A0.013311 A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L	上十	GAMMA	701	g dry wt.	0.8275	0.03238	Pa234m	1.96	1.5		pci/g dry wt.	2/23/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L		GAMMA	701	g dry wt.	0.8275	0.03238	Pb212	0.346	0.0231		pci/g dry wt.	2/23/2000
E4 E4	SOIL SOIL	SOIL	A0.01331Y A0.01331Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407188L 00407188L	+	GAMMA GAMMA	701 701	g dry wt. g dry wt.	0.8275 0.8275	0.03238	Pb214 Ra224	1.39 0.224	0.0341		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	SOIL	SOIL	A0.013311 A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L	$\vdash$	GAMMA	701	g dry wt.	0.8275	0.03238	Ra224	2.2	0.246		pci/g dry wt.	2/23/2000
E4	SOIL	SOIL	A0.01331Y	2/23/2000 0:00	2/23/2000 0:00	00407188L		GAMMA	701	g dry wt.	0.8275	0.03238	Ra228	0.29	0.0352		pci/g dry wt.	2/23/2000
E4 E10	SOIL SOIL	SOIL SOIL	A0.01331Y A0.01349J	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407188L 00407260B	+-+	GAMMA GAMMA	701 668	g dry wt. g dry wt.	0.8275 0.8104	0.03238	T1208 Ba140	0.104	0.0141	5.04	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	SOIL	SOIL	A0.01349J A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B	$\vdash$	GAMMA	668	g dry wt.	0.8104	0.03097	Bi212	0.496	0.151	3.04	pci/g dry wt.	2/23/2000
E10	SOIL	SOIL	A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B	لللا	GAMMA	668	g dry wt.	0.8104	0.03097	Bi214	1.27	0.0792		pci/g dry wt.	2/23/2000
E10 E10	SOIL SOIL	SOIL	A0.01349J A0.01349J	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407260B 00407260B	+-+	GAMMA GAMMA	668 668	g dry wt. g dry wt.	0.8104 0.8104	0.03097	Co60 Cs137	0.0326	0.00955	0.0209	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	SOIL	SOIL	A0.01349J A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B	+	GAMMA	668	g dry wt.	0.8104	0.03097	I131	0.0320	0.00933	18.1	pci/g dry wt.	2/23/2000
E10	SOIL	SOIL	A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B		GAMMA	668	g dry wt.	0.8104	0.03097	K40	16.2	0.973		pci/g dry wt.	2/23/2000
E10	SOIL	SOIL	A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B	$\vdash$	GAMMA	668	g dry wt.	0.8104	0.03097	Pb212 Pb214	0.455	0.0361		pci/g dry wt.	2/23/2000
E10	SOIL	SOIL	A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B		GAMMA	668	g dry wt.	0.8104	0.03097	P0214	1.43	0.0873		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location E10	Distance (m)	Matrix	NAREL ID A0 01349J	Collect Start 2/23/2000 0:00	Collect End 2/23/2000 0:00	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet 0.8104	Ash/Dry 0.03097	Analyte	Conc.	2*CSU 0.295	MDC	Unit	Res. Date 2/23/2000
E10 E10	SOIL	SOIL SOIL	A0.01349J A0.01349J	2/23/2000 0:00	2/23/2000 0:00	00407260B 00407260B		GAMMA GAMMA	668 668	g dry wt. g dry wt.	0.8104	0.03097	Ra226 Ra228	0.404	0.295		pci/g dry wt. pci/g dry wt.	2/23/2000
E10 E10	SOIL	SOIL	A0.01349J A0.01349J	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407260B		GAMMA	668	g dry wt.	0.8104 0.8104	0.03097	Th234	0.884	0.297		pci/g dry wt.	2/23/2000 2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01349J A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407260B 00407220T		GAMMA GAMMA	668 746	g dry wt. g dry wt.	0.8104	0.03097	T1208 Ba140	0.136	0.0158	3.93	pci/g dry wt. pci/g dry wt.	2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407220T		GAMMA	746	g dry wt.	0.8809	0.03418	Bi212	0.453	0.129		pci/g dry wt.	2/23/2000
MW MW	UPDRAW(UD) UPDRAW(UD)	SOIL SOIL	A0.01339G A0.01339G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407220T 00407220T		GAMMA GAMMA	746 746	g dry wt. g dry wt.	0.8809 0.8809	0.03418 0.03418	Bi214 Co60	1.3	0.0787	0.0215	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407220T		GAMMA	746	g dry wt.	0.8809	0.03418	Cs137	0.0249	0.00852		pci/g dry wt.	2/23/2000
MW MW	UPDRAW(UD) UPDRAW(UD)	SOIL SOIL	A0.01339G A0.01339G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407220T 00407220T		GAMMA GAMMA	746 746	g dry wt. g dry wt.	0.8809	0.03418	I131 K40	20.2	1.18	11.4	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407220T		GAMMA	746	g dry wt.	0.8809	0.03418	Pa234m	2.26	1.26		pci/g dry wt.	2/23/2000
MW MW	UPDRAW(UD) UPDRAW(UD)	SOIL	A0.01339G A0.01339G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407220T 00407220T		GAMMA GAMMA	746 746	g dry wt. g dry wt.	0.8809	0.03418	Pb212 Pb214	0.369	0.0308		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407220T		GAMMA	746	g dry wt.	0.8809	0.03418	Ra226	2.76	0.314		pci/g dry wt.	2/23/2000
MW MW	UPDRAW(UD)	SOIL SOIL	A0.01339G A0.01339G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407220T 00407220T		GAMMA GAMMA	746 746	g dry wt.	0.8809 0.8809	0.03418 0.03418	Ra228 Th234	0.325 0.837	0.0346 0.264		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01339G A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407220T		GAMMA	746	g dry wt.	0.8809	0.03418	T1208	0.837	0.264		pci/g dry wt.	2/23/2000
MW	UPDRAW(UD)	SOIL	A0.01339G	2/23/2000 0:00	2/23/2000 0:00	00407220T		GAMMA	746	g dry wt.	0.8809	0.03418	U235	0.169	0.0191		pci/g dry wt.	2/23/2000
MW MW	SOIL SOIL	SOIL SOIL	A0.01318B A0.01318B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407132U 00407132U		GAMMA GAMMA	496 496	g dry wt. g dry wt.	0.6739 0.6739	0.04689 0.04689	Ba140 Be7	0.251	0.175	0.694	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407132U		GAMMA	496	g dry wt.	0.6739	0.04689	Bi212	1.24	0.22		pci/g dry wt.	2/23/2000
MW MW	SOIL	SOIL	A0.01318B A0.01318B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407132U 00407132U		GAMMA GAMMA	496 496	g dry wt.	0.6739	0.04689	Bi214 Co60	1.73	0.0414	0.0348	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407132U 00407132U		GAMMA	496	g dry wt.	0.6739	0.04689	Cs137	0.359	0.0198	0.0346	pci/g dry wt.	2/23/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407132U		GAMMA	496	g dry wt.	0.6739	0.04689	I131	22.0	0.406	0.613	pci/g dry wt.	2/23/2000
MW MW	SOIL SOIL	SOIL	A0.01318B A0.01318B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407132U 00407132U		GAMMA GAMMA	496 496	g dry wt. g dry wt.	0.6739	0.04689	K40 Pa234m	23.9 3.73	0.406 1.58		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407132U		GAMMA	496	g dry wt.	0.6739	0.04689	Pb212	1.33	0.0388		pci/g dry wt.	2/23/2000
MW MW	SOIL SOIL	SOIL SOIL	A0.01318B A0.01318B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407132U 00407132U		GAMMA GAMMA	496 496	g dry wt. g dry wt.	0.6739 0.6739	0.04689 0.04689	Pb214 Ra224	1.9 1.06	0.0395		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407132U		GAMMA	496	g dry wt.	0.6739	0.04689	Ra226	5.65	0.402		pci/g dry wt.	2/23/2000
MW MW	SOIL	SOIL	A0.01318B A0.01318B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407132U 00407132U		GAMMA GAMMA	496 496	g dry wt.	0.6739	0.04689	Ra228 Th234	1.17 3.35	0.0513		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	SOIL	SOIL	A0.01318B	2/23/2000 0:00	2/23/2000 0:00	00407132U 00407132U		GAMMA	496	g dry wt.	0.6739	0.04689	T1208	0.415	0.437		pci/g dry wt.	2/23/2000
MW D2	SOIL SOIL	SOIL	A0.01318B A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407132U 00407158E		GAMMA GAMMA	496 527	g dry wt.	0.6739	0.04689	U235 Ba140	0.346	0.0244	0.953	pci/g dry wt.	2/23/2000
D2	SOIL	SOIL	A0.01324Z A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E 00407158E		GAMMA	527	g dry wt. g dry wt.	0.7116	0.03937	Bi212	1.24	0.196	0.933	pci/g dry wt. pci/g dry wt.	2/23/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Bi214	1.82	0.0457	0.025	pci/g dry wt.	2/23/2000
D2 D2	SOIL SOIL	SOIL SOIL	A0.01324Z A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527 527	g dry wt. g dry wt.	0.7116 0.7116	0.03937	Co60 Cs137	0.327	0.0193	0.027	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	I131			1.04	pci/g dry wt.	2/23/2000
D2 D2	SOIL SOIL	SOIL SOIL	A0.01324Z A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527 527	g dry wt. g dry wt.	0.7116 0.7116	0.03937 0.03937	K40 Pa234m	20 4.11	0.412 1.48		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Pb212	1.34	0.0403		pci/g dry wt.	2/23/2000
D2 D2	SOIL	SOIL	A0.01324Z A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E	lacksquare	GAMMA GAMMA	527 527	g dry wt.	0.7116 0.7116	0.03937	Pb214 Ra224	1.27	0.0442 0.455		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Ra226	0.606	0.428		pci/g dry wt.	2/23/2000
D2 D2	SOIL	SOIL SOIL	A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA	527 527	g dry wt.	0.7116	0.03937	Ra228	1.16 5.01	0.0517 0.406		pci/g dry wt.	2/23/2000 2/23/2000
D2 D2	SOIL	SOIL	A0.01324Z A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527	g dry wt. g dry wt.	0.7116 0.7116	0.03937	Th234 Tl208	0.403	0.406		pci/g dry wt. pci/g dry wt.	2/23/2000
D2	SOIL	SOIL	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	U235	0.368	0.0255	0.5	pci/g dry wt.	2/23/2000
D4 D4	SOIL SOIL	SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407154A 00407154A		GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7442 0.7442	0.0365 0.0365	Ba140 Bi212	1.05	0.151	0.746	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	SOIL	SOIL	A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	Bi214	1.31	0.0359		pci/g dry wt.	2/23/2000
D4 D4	SOIL SOIL	SOIL SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407154A 00407154A		GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7442 0.7442	0.0365 0.0365	Co60 Cs137	0.183	0.0149	0.025	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4 D4	SOIL	SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	I131	0.163	0.0147	0.818	pci/g dry wt. pci/g dry wt.	2/23/2000
D4 D4	SOIL	SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00	00407154A 00407154A		GAMMA	605 605	g dry wt.	0.7442 0.7442	0.0365 0.0365	K40 Pa234m	19.2	0.376		pci/g dry wt.	2/23/2000 2/23/2000
D4 D4	SOIL	SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407154A 00407154A		GAMMA GAMMA	605	g dry wt. g dry wt.	0.7442	0.0365	Pa234m Pb212	1.79	1.21 0.0339		pci/g dry wt. pci/g dry wt.	2/23/2000
D4	SOIL	SOIL	A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	Pb214	1.43	0.0368		pci/g dry wt.	2/23/2000
D4 D4	SOIL SOIL	SOIL SOIL	A0.01323Y A0.01323Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407154A 00407154A		GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7442 0.7442	0.0365 0.0365	Ra224 Ra226	0.656 1.15	0.361	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	SOIL	SOIL	A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	Ra228	0.911	0.0421		pci/g dry wt.	2/23/2000
D4	SOIL	SOIL	A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	Th227	0.141	0.118		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location D4	Distance (m)	Matrix SOIL	NAREL ID A0 01323Y	Collect Start 2/23/2000 0:00	2/23/2000 0:00	Analytical ID 00407154A	QA	Procedure GAMMA	Aliquot 605	Unit g dry wt.	Dry/Wet 0.7442	Ash/Dry 0.0365	Analyte Th234	Conc. 2.08	2*CSU 0.335	MDC	Unit pci/g dry wt.	Res. Date 2/23/2000
D4	SOIL	SOIL	A0.013231 A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	T1208	0.305	0.0175		pci/g dry wt.	2/23/2000
D4	SOIL	SOIL	A0.01323Y	2/23/2000 0:00	2/23/2000 0:00	00407154A		GAMMA	605	g dry wt.	0.7442	0.0365	U235	0.177	0.0231	0.530	pci/g dry wt.	2/23/2000
D6 D6	SOIL SOIL	SOIL	A0.01306X A0.01306X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00406998K 00406998K		GAMMA GAMMA	608	g dry wt. g dry wt.	0.793 0.793	0.03333	Ba140 Bi212	0.915	0.204	0.538	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	SOIL	SOIL	A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	Bi214	1.74	0.0497		pci/g dry wt.	2/23/2000
D6 D6	SOIL SOIL	SOIL SOIL	A0.01306X A0.01306X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00406998K 00406998K		GAMMA GAMMA	608 608	g dry wt. g dry wt.	0.793 0.793	0.03333	Co60 Cs137	0.123	0.0173	0.0352	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	SOIL	SOIL	A0.01306X A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	I131	0.123	0.0173	0.422	pci/g dry wt.	2/23/2000
D6	SOIL	SOIL	A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	K40	17.9	0.492		pci/g dry wt.	2/23/2000
D6 D6	SOIL SOIL	SOIL	A0.01306X A0.01306X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00406998K 00406998K		GAMMA GAMMA	608	g dry wt. g dry wt.	0.793 0.793	0.03333	Pa234m Pb212	6.37 0.77	2.43 0.0339		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	SOIL	SOIL	A0.01306X A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	Pb214	1.89	0.0339		pci/g dry wt.	2/23/2000
D6	SOIL	SOIL	A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	Ra224	0.3	0.363		pci/g dry wt.	2/23/2000
D6 D6	SOIL SOIL	SOIL	A0.01306X A0.01306X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00406998K 00406998K		GAMMA GAMMA	608	g dry wt. g dry wt.	0.793 0.793	0.03333	Ra226 Ra228	1.95 0.735	0.367 0.0499		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	SOIL	SOIL	A0.01306X A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	Th234	3.19	0.0499		pci/g dry wt.	2/23/2000
D6	SOIL	SOIL	A0.01306X	2/23/2000 0:00	2/23/2000 0:00	00406998K		GAMMA	608	g dry wt.	0.793	0.03333	T1208	0.264	0.0201		pci/g dry wt.	2/23/2000
D6 D8	SOIL SOIL	SOIL	A0.01306X A0.01329E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00406998K 00407178J		GAMMA GAMMA	608 731	g dry wt. g dry wt.	0.793 0.8228	0.03333 0.0343	U235 Ba140	0.165	0.021	0.533	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Bi212	0.653	0.108	0.555	pci/g dry wt.	2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Bi214	1.74	0.0299		pci/g dry wt.	2/23/2000
D8	SOIL	SOIL	A0.01329E A0.01329E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407178J 00407178J		GAMMA GAMMA	731 731	g dry wt.	0.8228 0.8228	0.0343	Co60 Cs137	0.0915	0.0106	0.0199	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	SOIL	SOIL	A0.01329E A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J 00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	US137 I131	0.0915	0.0106	0.535	pci/g dry wt. pci/g dry wt.	2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	K40	14.2	0.247	0.000	pci/g dry wt.	2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Pa234m	2.18	1.1		pci/g dry wt.	2/23/2000
D8 D8	SOIL SOIL	SOIL	A0.01329E A0.01329E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407178J 004071781		GAMMA GAMMA	731 731	g dry wt.	0.8228 0.8228	0.0343	Pb212 Pb214	0.616 1.89	0.0226		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Ra223	0.163	0.0732		pci/g dry wt.	2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Ra224	0.428	0.227		pci/g dry wt.	2/23/2000
D8 D8	SOIL SOIL	SOIL	A0.01329E A0.01329E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407178J 00407178J		GAMMA GAMMA	731 731	g dry wt. g dry wt.	0.8228 0.8228	0.0343 0.0343	Ra226 Ra228	3.19 0.548	0.259 0.029		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Rn219	0.131	0.029		pci/g dry wt.	2/23/2000
D8	SOIL	SOIL	A0.01329E	2/23/2000 0:00	2/23/2000 0:00	00407178J		GAMMA	731	g dry wt.	0.8228	0.0343	Th234	0.556	0.172		pci/g dry wt.	2/23/2000
D8	SOIL SOIL	SOIL	A0.01329E A0.01329E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407178J 00407178J		GAMMA GAMMA	731 731	g dry wt. g dry wt.	0.8228 0.8228	0.0343	T1208 U235	0.197 0.187	0.0115 0.0154		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	SOIL	SOIL	A0.01325E A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	004071783 00407120P		GAMMA	664	g dry wt.	0.7742	0.03435	Ba140	0.107	0.0134	0.482	pci/g dry wt.	2/23/2000
D10	SOIL	SOIL	A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P		GAMMA	664	g dry wt.	0.7742	0.03435	Bi212	0.482	0.127		pci/g dry wt.	2/23/2000
D10 D10	SOIL SOIL	SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407120P 00407120P		GAMMA GAMMA	664 664	g dry wt. g dry wt.	0.7742 0.7742	0.03435	Bi214 Co60	2.6	0.0394	0.0245	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	SOIL	SOIL	A0.013151 A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P 00407120P		GAMMA	664	g dry wt.	0.7742	0.03435	Cs137	0.032	0.00929	0.0243	pci/g dry wt.	2/23/2000
D10	SOIL	SOIL	A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P		GAMMA	664	g dry wt.	0.7742	0.03435	I131			0.4	pci/g dry wt.	2/23/2000
D10	SOIL SOIL	SOIL SOIL	A0.01315Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407120P		GAMMA	664 664	g dry wt.	0.7742 0.7742	0.03435	K40	12.8	0.274 1.34		pci/g dry wt.	2/23/2000 2/23/2000
D10 D10	SOIL	SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P 00407120P	$\vdash$	GAMMA GAMMA	664	g dry wt. g dry wt.	0.7742	0.03435 0.03435	Pa234m Pb212	1.76 0.527	0.0239		pci/g dry wt. pci/g dry wt.	2/23/2000
D10	SOIL	SOIL	A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P		GAMMA	664	g dry wt.	0.7742	0.03435	Pb214	2.85	0.0366		pci/g dry wt.	2/23/2000
D10 D10	SOIL	SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407120P 00407120P	$oxed{\Box}$	GAMMA GAMMA	664	g dry wt.	0.7742 0.7742	0.03435	Ra223 Ra224	0.321	0.0579		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	SOIL	SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P 00407120P	+	GAMMA	664	g dry wt.	0.7742	0.03435	Ra224 Ra226	4.49	0.291		pci/g dry wt.	2/23/2000
D10	SOIL	SOIL	A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P		GAMMA	664	g dry wt.	0.7742	0.03435	Ra228	0.416	0.033		pci/g dry wt.	2/23/2000
D10	SOIL	SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407120P 00407120P	$oxed{\Box}$	GAMMA	664	g dry wt.	0.7742	0.03435	Th234	1.13	0.196		pci/g dry wt.	2/23/2000 2/23/2000
D10 D10	SOIL	SOIL	A0.01315Y A0.01315Y	2/23/2000 0:00	2/23/2000 0:00	00407120P 00407120P	$\vdash$	GAMMA GAMMA	664	g dry wt. g dry wt.	0.7742 0.7742	0.03435	T1208 U235	0.157 0.264	0.0124		pci/g dry wt. pci/g dry wt.	2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	Ba140			5.86	pci/g dry wt.	2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B	igspace	GAMMA	643	g dry wt.	0.7776	0.03837	Bi212	0.492 2.88	0.121		pci/g dry wt.	2/23/2000
D15 D15	SOIL SOIL	SOIL SOIL	A0.01343C A0.01343C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407236B 00407236B	$\vdash \vdash$	GAMMA GAMMA	643 643	g dry wt. g dry wt.	0.7776 0.7776	0.03837	Bi214 Co60	2.88	0.168	0.0245	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	Cs137	0.0241	0.0107		pci/g dry wt.	2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	I131	10.0	0.654	21.3	pci/g dry wt.	2/23/2000
D15	SOIL SOIL	SOIL	A0.01343C A0.01343C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407236B 00407236B	$\vdash$	GAMMA GAMMA	643 643	g dry wt. g dry wt.	0.7776 0.7776	0.03837	K40 Pa234m	10.8	0.654 1.14	1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	Pb212	0.449	0.0359		pci/g dry wt.	2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	Pb214	3.19	0.184		pci/g dry wt.	2/23/2000
D15 D15	SOIL SOIL	SOIL	A0.01343C A0.01343C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407236B 00407236B	$\vdash$	GAMMA GAMMA	643	g dry wt.	0.7776 0.7776	0.03837	Ra223 Ra226	0.232 4.76	0.071 0.413		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
כות	SUIL	SUIL	AU.01343C	2/25/2000 0:00	2/25/2000 0:00	0040/236B	<u> </u>	UAMMA	045	g ary wt.	U. / / /b	0.03837	Ka226	4./6	0.413	l	pci/g ary wt.	2/25/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D15 D15	SOIL SOIL	SOIL SOIL	A0.01343C A0.01343C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407236B 00407236B		GAMMA GAMMA	643 643	g dry wt. g dry wt.	0.7776 0.7776	0.03837	Ra228 Rn219	0.386	0.0391		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	SOIL	SOIL	A0.01343C A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B 00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	Th234	0.271	0.0739		pci/g dry wt.	2/23/2000
D15	SOIL	SOIL	A0.01343C	2/23/2000 0:00	2/23/2000 0:00	00407236B		GAMMA	643	g dry wt.	0.7776	0.03837	T1208	0.155	0.0165		pci/g dry wt.	2/23/2000
D15 D20	SOIL SOIL	SOIL SOIL	A0.01343C A0.01314X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407236B 00407116U		GAMMA GAMMA	643 536	g dry wt. g dry wt.	0.7776	0.03837 0.03783	U235 Ba140	0.284	0.0247	0.66	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	Bi212	1.15	0.241	0.00	pci/g dry wt.	2/23/2000
D20 D20	SOIL SOIL	SOIL SOIL	A0.01314X A0.01314X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407116U 00407116U		GAMMA GAMMA	536 536	g dry wt. g dry wt.	0.7384 0.7384	0.03783 0.03783	Bi214 Co60	1.73	0.0548	0.0425	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	SOIL	SOIL	A0.01314X A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	Cs137	0.185	0.0202	0.0423	pci/g dry wt.	2/23/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	I131	17.4	0.517	0.534	pci/g dry wt.	2/23/2000
D20 D20	SOIL	SOIL	A0.01314X A0.01314X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407116U 00407116U		GAMMA GAMMA	536 536	g dry wt. g dry wt.	0.7384	0.03783	K40 Pb212	1.08	0.517 0.0394		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	Pb214	1.85	0.0459		pci/g dry wt.	2/23/2000
D20 D20	SOIL SOIL	SOIL SOIL	A0.01314X A0.01314X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407116U 00407116U		GAMMA GAMMA	536 536	g dry wt. g dry wt.	0.7384	0.03783 0.03783	Ra223 Ra224	0.117	0.0774		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	Ra226	3.55	0.335		pci/g dry wt.	2/23/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	Ra228	0.951	0.0568		pci/g dry wt.	2/23/2000
D20 D20	SOIL SOIL	SOIL SOIL	A0.01314X A0.01314X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407116U 00407116U		GAMMA GAMMA	536 536	g dry wt. g dry wt.	0.7384 0.7384	0.03783 0.03783	Th234 Tl208	1.43 0.342	0.292 0.0222		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	SOIL	SOIL	A0.01314X	2/23/2000 0:00	2/23/2000 0:00	00407116U		GAMMA	536	g dry wt.	0.7384	0.03783	U235	0.205	0.0195		pci/g dry wt.	2/23/2000
HWY 191 HWY 191	NS NS	SEDIMENT SEDIMENT	A0.01354F A0.01354F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407280F 00407280F		GAMMA GAMMA	554 554	g dry wt.	0.6884	0.05029	Ba140 Bi212	1.05	0.227	9.12	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	NS NS	SEDIMENT	A0.01354F A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407280F 00407280F		GAMMA	554	g dry wt.	0.6884	0.05029	Bi212	1.03	0.0812		pci/g dry wt.	2/23/2000
HWY 191	NS	SEDIMENT	A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407280F		GAMMA	554	g dry wt.	0.6884	0.05029	Co60			0.0412	pci/g dry wt.	2/23/2000
HWY 191 HWY 191	NS NS	SEDIMENT SEDIMENT	A0.01354F A0.01354F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407280F 00407280F		GAMMA GAMMA	554 554	g dry wt.	0.6884	0.05029 0.05029	Cs137	0.231	0.0265	23.3	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	NS	SEDIMENT	A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407280F		GAMMA	554	g dry wt.	0.6884	0.05029	K40	17.8	1.13	23.3	pci/g dry wt.	2/23/2000
HWY 191	NS	SEDIMENT	A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407280F		GAMMA	554	g dry wt.	0.6884	0.05029	Pb212	1.11	0.073		pci/g dry wt.	2/23/2000
HWY 191 HWY 191	NS NS	SEDIMENT SEDIMENT	A0.01354F A0.01354F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407280F 00407280F		GAMMA GAMMA	554 554	g dry wt. g dry wt.	0.6884	0.05029 0.05029	Pb214 Ra224	1.33 0.759	0.0853		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	NS	SEDIMENT	A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407280F		GAMMA	554	g dry wt.	0.6884	0.05029	Ra226	2.41	0.377		pci/g dry wt.	2/23/2000
HWY 191 HWY 191	NS NS	SEDIMENT	A0.01354F A0.01354F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407280F 00407280F		GAMMA GAMMA	554 554	g dry wt.	0.6884	0.05029	Ra228 Th234	0.958	0.0771		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
HWY 191	NS	SEDIMENT	A0.01354F A0.01354F	2/23/2000 0:00	2/23/2000 0:00	00407280F 00407280F		GAMMA	554	g dry wt.	0.6884	0.05029	T1208	0.378	0.0305		pci/g dry wt.	2/23/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	Ba140	0.0002	0.0040	1.33	pci/g dry wt.	2/23/2000
CHW CHW	NS NS	SEDIMENT SEDIMENT	A0.01333A A0.01333A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407196L 00407196L		GAMMA GAMMA	732 732	g dry wt. g dry wt.	0.7952 0.7952	0.03569 0.03569	Be7 Bi212	0.0882	0.0949 0.0846		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	Bi214	0.212	0.0167		pci/g dry wt.	2/23/2000
CHW	NS NS	SEDIMENT SEDIMENT	A0.01333A A0.01333A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407196L 00407196L		GAMMA GAMMA	732 732	g dry wt. g dry wt.	0.7952 0.7952	0.03569	Co60 Cs137	0.0576	0.00783	0.0161	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	NS NS	SEDIMENT	A0.01333A A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L 00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	I131	0.0376	0.00783	2.41	pci/g dry wt.	2/23/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	K40	9.49	0.22		pci/g dry wt.	2/23/2000
CHW	NS NS	SEDIMENT SEDIMENT	A0.01333A A0.01333A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407196L 00407196L		GAMMA GAMMA	732 732	g dry wt. g dry wt.	0.7952 0.7952	0.03569 0.03569	Pb212 Pb214	0.223 0.256	0.0154 0.016		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	Ra224	0.169	0.174		pci/g dry wt.	2/23/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	Ra226	0.592	0.171		pci/g dry wt.	2/23/2000
CHW	NS NS	SEDIMENT SEDIMENT	A0.01333A A0.01333A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407196L 00407196L	$\vdash$	GAMMA GAMMA	732 732	g dry wt. g dry wt.	0.7952 0.7952	0.03569 0.03569	Ra228 Th234	0.202 0.297	0.0204 0.133		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
CHW	NS	SEDIMENT	A0.01333A	2/23/2000 0:00	2/23/2000 0:00	00407196L		GAMMA	732	g dry wt.	0.7952	0.03569	T1208	0.0733	0.0086		pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407182E 00407182E	$\vdash$	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375 0.7375	0.0385 0.0385	Ba140 Bi212	1.22	0.162	0.753	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E 00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	Bi214	1.19	0.0343		pci/g dry wt.	2/23/2000
UG	NS NG	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	Co60	0.107	0.015	0.0264	pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407182E 00407182E	$\vdash$	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375 0.7375	0.0385 0.0385	Cs137 I131	0.196	0.016	0.78	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	K40	18.7	0.345	0.70	pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407182E 00407182E	$\vdash \vdash$	GAMMA GAMMA	537 537	g dry wt.	0.7375	0.0385	Pa234m Pb212	6.34	1.53 0.0344		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E 00407182E	$\vdash$	GAMMA	537	g dry wt.	0.7375	0.0385	Pb212 Pb214	1.11	0.0344		pci/g dry wt.	2/23/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	Ra224	0.857	0.321		pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407182E 00407182E	$\vdash$	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375 0.7375	0.0385 0.0385	Ra226 Ra228	0.493 0.975	0.346 0.0421		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E 00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	Th234	5.71	0.0421		pci/g dry wt.	2/23/2000
UG	NS NE	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	T1208	0.365	0.0172		pci/g dry wt.	2/23/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407182E		GAMMA	537	g dry wt.	0.7375	0.0385	U235	0.364	0.0207		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	OA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Drv	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Ba140			0.916	pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407186J 00407186J	DUP	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375 0.7375	0.0385 0.0385	Bi212 Bi214	0.969	0.22 0.0476		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Co60	1.2	0.0476	0.0411	pci/g dry wt.	2/23/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Cs137	0.189	0.021		pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407186J 00407186J	DUP	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375 0.7375	0.0385 0.0385	I131 K40	18	0.523	0.855	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Pa234m	6.46	1.87		pci/g dry wt.	2/23/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Pb212	1.1	0.0379		pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407186J 00407186J	DUP	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375	0.0385	Pb214 Ra224	1.26 0.769	0.0387	ļ	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Ra224	2.31	0.388		pci/g dry wt.	2/23/2000
UG	NS	SEDIMENT	A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	Ra228	0.963	0.0568		pci/g dry wt.	2/23/2000
UG UG	NS NS	SEDIMENT SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407186J 00407186J	DUP DUP	GAMMA GAMMA	537 537	g dry wt. g dry wt.	0.7375 0.7375	0.0385 0.0385	Th234 Tl208	6.29 0.351	0.327 0.0232	ļ	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UG	NS	SEDIMENT	A0.01330X A0.01330X	2/23/2000 0:00	2/23/2000 0:00	00407186J	DUP	GAMMA	537	g dry wt.	0.7375	0.0385	U235	0.284	0.0232		pci/g dry wt.	2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Ba140			5.62	pci/g dry wt.	2/23/2000
UX UX	NS NS	SEDIMENT SEDIMENT	A0.01352D A0.01352D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407272F 00407272F	$\vdash$	GAMMA GAMMA	603	g dry wt. g dry wt.	0.7264 0.7264	0.04054 0.04054	Bi212 Bi214	1.18	0.144	-	pci/g dry wt.	2/23/2000 2/23/2000
UX	NS NS	SEDIMENT	A0.01352D A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F 00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Co60	1.03	0.0903	0.0195	pci/g dry wt. pci/g dry wt.	2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Cs137	0.146	0.0134		pci/g dry wt.	2/23/2000
UX	NS NS	SEDIMENT	A0.01352D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	I131 K40	10.4	1.07	15.4	pci/g dry wt.	2/23/2000
UX	NS NS	SEDIMENT	A0.01352D A0.01352D	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407272F 00407272F		GAMMA GAMMA	603	g dry wt.	0.7264	0.04054	Pa234m	18.4 7.82	1.07		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Pb212	1.06	0.065		pci/g dry wt.	2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Pb214	1.77	0.104		pci/g dry wt.	2/23/2000
UX UX	NS NS	SEDIMENT SEDIMENT	A0.01352D A0.01352D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407272F 00407272F	-	GAMMA GAMMA	603	g dry wt. g dry wt.	0.7264 0.7264	0.04054 0.04054	Ra223 Ra224	0.143	0.049		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Ra226	3.38	0.341		pci/g dry wt.	2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	Ra228	0.961	0.0625		pci/g dry wt.	2/23/2000
UX	NS NS	SEDIMENT SEDIMENT	A0.01352D A0.01352D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407272F 00407272F	-	GAMMA GAMMA	603	g dry wt. g dry wt.	0.7264 0.7264	0.04054 0.04054	Th234 Tl208	8.28 0.343	0.543 0.0235		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	NS	SEDIMENT	A0.01352D	2/23/2000 0:00	2/23/2000 0:00	00407272F		GAMMA	603	g dry wt.	0.7264	0.04054	U235	0.313	0.0244		pci/g dry wt.	2/23/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	Ba140			5.26	pci/g dry wt.	2/23/2000
UX	1	SEDIMENT SEDIMENT	A0.01332Z A0.01332Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407192G 00407192G	-	GAMMA GAMMA	422 422	g dry wt. g dry wt.	0.5828 0.5828	0.07691 0.07691	Be7 Bi212	0.82 0.952	0.272 0.187		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	i	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	Bi214	1.32	0.0828		pci/g dry wt.	2/23/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	Co60	0.160	0.0105	0.0286	pci/g dry wt.	2/23/2000
UX	1	SEDIMENT SEDIMENT	A0.01332Z A0.01332Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407192G 00407192G	-	GAMMA GAMMA	422 422	g dry wt. g dry wt.	0.5828 0.5828	0.07691	Cs137 I131	0.162	0.0195	15.5	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	i	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	K40	16.3	0.98	10.0	pci/g dry wt.	2/23/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	Pa234m	81.1	5.16		pci/g dry wt.	2/23/2000
UX UX	1	SEDIMENT SEDIMENT	A0.01332Z A0.01332Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407192G 00407192G		GAMMA GAMMA	422 422	g dry wt. g dry wt.	0.5828 0.5828	0.07691 0.07691	Pb212 Pb214	1.13	0.0718 0.0876		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	i	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	Ra224	0.797	0.372		pci/g dry wt.	2/23/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	Ra226	4.04	0.683		pci/g dry wt.	2/23/2000
UX UX	1	SEDIMENT SEDIMENT	A0.01332Z A0.01332Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407192G 00407192G	-	GAMMA GAMMA	422 422	g dry wt. g dry wt.	0.5828 0.5828	0.07691	Ra228 Th234	1.03 65.1	0.0729 3.73	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	T1208	0.395	0.0289		pci/g dry wt.	2/23/2000
UX	1	SEDIMENT	A0.01332Z	2/23/2000 0:00	2/23/2000 0:00	00407192G		GAMMA	422	g dry wt.	0.5828	0.07691	U235	3.9	0.224	2.52	pci/g dry wt.	2/23/2000
U4 U4	NS NS	SEDIMENT SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407204T 00407204T	+	GAMMA GAMMA	523 523	g dry wt. g dry wt.	0.6745 0.6745	0.04245 0.04245	Ba140 Bi212	1.09	0.175	2.73	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	NS	SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	Bi214	1.19	0.0351		pci/g dry wt.	2/23/2000
U4	NS	SEDIMENT	A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	Co60			0.0277	pci/g dry wt.	2/23/2000
U4 U4	NS NS	SEDIMENT SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407204T 00407204T	-	GAMMA GAMMA	523 523	g dry wt. g dry wt.	0.6745 0.6745	0.04245 0.04245	Cs137 I131	0.265	0.017	5.68	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	NS	SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	K40	19.5	0.352	3.00	pci/g dry wt.	2/23/2000
U4	NS	SEDIMENT	A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	Pa234m	8.83	1.58		pci/g dry wt.	2/23/2000
U4 U4	NS NS	SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407204T 00407204T	$\vdash$	GAMMA GAMMA	523 523	g dry wt. g dry wt.	0.6745 0.6745	0.04245 0.04245	Pb212 Pb214	1.1	0.0359	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4 U4	NS NS	SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T 00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	Pb214 Ra224	0.781	0.0351	<del>                                     </del>	pci/g dry wt.	2/23/2000
U4	NS	SEDIMENT	A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	Ra226	2.62	0.379		pci/g dry wt.	2/23/2000
U4 U4	NS NS	SEDIMENT SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407204T 00407204T	$\vdash$	GAMMA GAMMA	523 523	g dry wt. g dry wt.	0.6745 0.6745	0.04245 0.04245	Ra228 Th234	0.944 8.21	0.0455 0.506	1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	NS NS	SEDIMENT	A0.01335C A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	T1208	0.378	0.0179	<del>                                     </del>	pci/g dry wt.	2/23/2000
U4	NS	SEDIMENT	A0.01335C	2/23/2000 0:00	2/23/2000 0:00	00407204T		GAMMA	523	g dry wt.	0.6745	0.04245	U235	0.432	0.0225		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

Location	Lateral Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
U4 U4	1	SEDIMENT SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407228B		GAMMA	640 640	g dry wt.	0.6954 0.6954	0.04121 0.04121	Ba140	0.862	0.15	4.6	pci/g dry wt.	2/23/2000 2/23/2000
U4 U4	1 1	SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B 00407228B		GAMMA GAMMA	640	g dry wt. g dry wt.	0.6954	0.04121	Bi212 Bi214	1.09	0.15		pci/g dry wt. pci/g dry wt.	2/23/2000
U4	1	SEDIMENT	A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B		GAMMA	640	g dry wt.	0.6954	0.04121	Co60			0.0217	pci/g dry wt.	2/23/2000
U4 U4	1	SEDIMENT SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407228B 00407228B		GAMMA GAMMA	640 640	g dry wt. g dry wt.	0.6954 0.6954	0.04121 0.04121	Cs137 I131	0.157	0.0157	16.7	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	i	SEDIMENT	A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B		GAMMA	640	g dry wt.	0.6954	0.04121	K40	16.2	0.965	10.7	pci/g dry wt.	2/23/2000
U4	1	SEDIMENT	A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B		GAMMA	640	g dry wt.	0.6954	0.04121	Pa234m	4.09	1.14		pci/g dry wt.	2/23/2000
U4 U4	1	SEDIMENT SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407228B 00407228B		GAMMA GAMMA	640 640	g dry wt.	0.6954 0.6954	0.04121	Pb212 Pb214	0.973	0.0619		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	1	SEDIMENT	A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B		GAMMA	640	g dry wt.	0.6954	0.04121	Ra224	0.593	0.316		pci/g dry wt.	2/23/2000
U4 U4	1	SEDIMENT SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407228B 00407228B		GAMMA GAMMA	640 640	g dry wt. g dry wt.	0.6954 0.6954	0.04121 0.04121	Ra226 Ra228	0.828	0.0598	0.429	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U4	1	SEDIMENT	A0.01341A A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B 00407228B		GAMMA	640	g dry wt.	0.6954	0.04121	Th234	5.04	0.0398		pci/g dry wt.	2/23/2000
U4	1	SEDIMENT	A0.01341A	2/23/2000 0:00	2/23/2000 0:00	00407228B		GAMMA	640	g dry wt.	0.6954	0.04121	T1208	0.33	0.0242		pci/g dry wt.	2/23/2000
U4 U2	NS	SEDIMENT SEDIMENT	A0.01341A A0.01319C	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407228B 00407136Y		GAMMA GAMMA	640 565	g dry wt.	0.6954 0.7374	0.04121	U235 Ba140	0.307	0.0264	0.727	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	Bi212	1.14	0.165	0.727	pci/g dry wt.	2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	Bi214	1.27	0.0378		pci/g dry wt.	2/23/2000
U2 U2	NS NS	SEDIMENT SEDIMENT	A0.01319C A0.01319C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407136Y 00407136Y		GAMMA GAMMA	565 565	g dry wt. g dry wt.	0.7374 0.7374	0.03929 0.03929	Co60 Cs137	0.17	0.0161	0.0268	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	I131	0.17	0.0101	0.719	pci/g dry wt.	2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	K40	18.9	0.384		pci/g dry wt.	2/23/2000
U2 U2	NS NS	SEDIMENT SEDIMENT	A0.01319C A0.01319C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407136Y 00407136Y		GAMMA GAMMA	565 565	g dry wt. g dry wt.	0.7374 0.7374	0.03929	Pa234m Pb212	1.56	1.48 0.0361		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	Pb214	1.15	0.0367		pci/g dry wt.	2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	Ra224	0.786	0.358		pci/g dry wt.	2/23/2000
U2 U2	NS NS	SEDIMENT SEDIMENT	A0.01319C A0.01319C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407136Y 00407136Y		GAMMA GAMMA	565 565	g dry wt.	0.7374 0.7374	0.03929	Ra226 Ra228	2.62 1.02	0.38 0.0457		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	Th234	1.02	0.413		pci/g dry wt.	2/23/2000
U2	NS	SEDIMENT	A0.01319C	2/23/2000 0:00	2/23/2000 0:00	00407136Y		GAMMA	565	g dry wt.	0.7374	0.03929	T1208	0.346	0.0182		pci/g dry wt.	2/23/2000
U2 E4	NS NS	SEDIMENT SEDIMENT	A0.01319C A0.01346F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407136Y 00407248F		GAMMA GAMMA	565 718	g dry wt. g dry wt.	0.7374 0.8273	0.03929 0.03182	U235 Ba140	0.163	0.023	5.18	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	Bi212	0.704	0.133	5.10	pci/g dry wt.	2/23/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	Bi214	1.16	0.0713	0.0227	pci/g dry wt.	2/23/2000
E4 E4	NS NS	SEDIMENT SEDIMENT	A0.01346F A0.01346F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407248F 00407248F		GAMMA GAMMA	718 718	g dry wt. g dry wt.	0.8273 0.8273	0.03182 0.03182	Co60 Cs137	0.0747	0.0129	0.0236	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	I131			18.6	pci/g dry wt.	2/23/2000
E4 E4	NS NS	SEDIMENT SEDIMENT	A0.01346F A0.01346F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407248F 00407248F		GAMMA GAMMA	718 718	g dry wt. g dry wt.	0.8273 0.8273	0.03182 0.03182	K40 Pb212	17.2 0.742	1.01 0.0495		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	NS NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	Pb212 Pb214	1.25	0.0493		pci/g dry wt.	2/23/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	Ra224	0.471	0.275		pci/g dry wt.	2/23/2000
E4 E4	NS NS	SEDIMENT SEDIMENT	A0.01346F A0.01346F	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407248F 00407248F		GAMMA GAMMA	718 718	g dry wt. g dry wt.	0.8273 0.8273	0.03182 0.03182	Ra226 Ra228	0.711	0.29 0.0538		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	T1208	0.711	0.0338		pci/g dry wt.	2/23/2000
E4	NS	SEDIMENT	A0.01346F	2/23/2000 0:00	2/23/2000 0:00	00407248F		GAMMA	718	g dry wt.	0.8273	0.03182	U235	0.122	0.0175		pci/g dry wt.	2/23/2000
E4 E4	1 1	SEDIMENT SEDIMENT	A0.01344D A0.01344D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407240X 00407240X	$\vdash \vdash \vdash$	GAMMA GAMMA	716 716	g dry wt. g dry wt.	0.8002 0.8002	0.03873	Ba140 Bi212	0.708	0.138	4.22	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	1	SEDIMENT	A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407240X		GAMMA	716	g dry wt.	0.8002	0.03873	Bi214	1.22	0.138		pci/g dry wt.	2/23/2000
E4	1	SEDIMENT	A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407240X		GAMMA	716	g dry wt.	0.8002	0.03873	Co60	0.0761	0.0111	0.0208	pci/g dry wt.	2/23/2000
E4 E4	1	SEDIMENT SEDIMENT	A0.01344D A0.01344D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407240X 00407240X	$\vdash$	GAMMA GAMMA	716 716	g dry wt. g dry wt.	0.8002 0.8002	0.03873 0.03873	Cs137 I131	0.0764	0.0111	14.1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	1	SEDIMENT	A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407240X		GAMMA	716	g dry wt.	0.8002	0.03873	K40	18.3	1.08		pci/g dry wt.	2/23/2000
E4	1	SEDIMENT	A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407240X	lacksquare	GAMMA	716	g dry wt.	0.8002	0.03873	Pb212	0.717	0.0473		pci/g dry wt.	2/23/2000
E4 E4	1	SEDIMENT SEDIMENT	A0.01344D A0.01344D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407240X 00407240X	$\vdash$	GAMMA GAMMA	716 716	g dry wt. g dry wt.	0.8002 0.8002	0.03873 0.03873	Pb214 Ra224	1.33 0.455	0.0801		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	1	SEDIMENT	A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407240X		GAMMA	716	g dry wt.	0.8002	0.03873	Ra226	2.13	0.289		pci/g dry wt.	2/23/2000
E4 E4	1	SEDIMENT SEDIMENT	A0.01344D A0.01344D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407240X 00407240X	$\vdash$	GAMMA GAMMA	716 716	g dry wt.	0.8002	0.03873	Ra228 Th234	0.635 1.26	0.0485		pci/g dry wt.	2/23/2000 2/23/2000
E4 E4	1	SEDIMENT	A0.01344D A0.01344D	2/23/2000 0:00	2/23/2000 0:00	00407240X 00407240X	$\vdash$	GAMMA GAMMA	716	g dry wt. g dry wt.	0.8002	0.03873	Th234 T1208	0.232	0.251		pci/g dry wt. pci/g dry wt.	2/23/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	Ba140			4.37	pci/g dry wt.	2/23/2000
E4 E4	5	SEDIMENT SEDIMENT	A0.01347G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407252B 00407252B	$\vdash$	GAMMA GAMMA	671 671	g dry wt. g dry wt.	0.8273 0.8273	0.03154 0.03154	Bi212 Bi214	0.402 0.842	0.13 0.0543		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	5	SEDIMENT	A0.01347G A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B 00407252B	$\vdash$	GAMMA	671	g dry wt.	0.8273	0.03154	Co60	0.042	0.0343	0.0211	pci/g dry wt.	2/23/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	Cs137	0.0128	0.00719		pci/g dry wt.	2/23/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	I131		1	14.8	pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location F4	Distance (m)	Matrix SEDIMENT	NAREL ID A0.01347G	Collect Start 2/23/2000 0:00	Collect End 2/23/2000 0:00	Analytical ID 00407252B	QA	Procedure GAMMA	Aliquot 671	Unit g dry wt.	Dry/Wet 0.8273	Ash/Dry 0.03154	Analyte K40	Conc.	2*CSU	MDC	Unit pci/g dry wt.	Res. Date 2/23/2000
E4	5	SEDIMENT	A0.01347G A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B 00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	Pb212	0.365	0.0299		pci/g dry wt.	2/23/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	Pb214	0.941	0.0587		pci/g dry wt.	2/23/2000
E4 E4	5	SEDIMENT SEDIMENT	A0.01347G A0.01347G	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407252B 00407252B		GAMMA GAMMA	671 671	g dry wt. g dry wt.	0.8273 0.8273	0.03154 0.03154	Ra226 Ra228	1.5 0.356	0.243		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	T1208	0.128	0.0141		pci/g dry wt.	2/23/2000
E4	5	SEDIMENT	A0.01347G	2/23/2000 0:00	2/23/2000 0:00	00407252B		GAMMA	671	g dry wt.	0.8273	0.03154	U235	0.0916	0.0147		pci/g dry wt.	2/23/2000
E4 E4	10 10	SEDIMENT SEDIMENT	A0.01348H A0.01348H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407256F 00407256F		GAMMA GAMMA	694 694	g dry wt. g dry wt.	0.8353 0.8353	0.03053	Ba140 Bi212	0.231	0.134	4.56	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	Bi214	0.231	0.0588		pci/g dry wt.	2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	Co60			0.0201	pci/g dry wt.	2/23/2000
E4 E4	10 10	SEDIMENT SEDIMENT	A0.01348H A0.01348H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407256F 00407256F		GAMMA GAMMA	694 694	g dry wt. g dry wt.	0.8353 0.8353	0.03053	Cs137			0.0211	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	K40	18.8	1.12	10.1	pci/g dry wt.	2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	Pb212	0.334	0.03		pci/g dry wt.	2/23/2000
E4 E4	10 10	SEDIMENT SEDIMENT	A0.01348H A0.01348H	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407256F 00407256F		GAMMA GAMMA	694 694	g dry wt.	0.8353 0.8353	0.03053	Pb214 Ra224	0.957 0.22	0.0613		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F 00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	Ra226	1.61	0.208		pci/g dry wt.	2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	Ra228	0.304	0.0341		pci/g dry wt.	2/23/2000
E4	10	SEDIMENT	A0.01348H	2/23/2000 0:00	2/23/2000 0:00	00407256F		GAMMA	694	g dry wt.	0.8353	0.03053	Th234	0.538	0.246		pci/g dry wt.	2/23/2000
E4 E10	10 NS	SEDIMENT SEDIMENT	A0.01348H A0.01350B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407256F 00407264F		GAMMA GAMMA	694 659	g dry wt. g dry wt.	0.8353 0.7958	0.03053 0.03735	T1208 Ba140	0.115	0.014	5.91	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	Bi212	0.693	0.147	3.71	pci/g dry wt.	2/23/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	Bi214	1.09	0.0682		pci/g dry wt.	2/23/2000
E10 E10	NS NS	SEDIMENT SEDIMENT	A0.01350B A0.01350B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407264F 00407264F		GAMMA GAMMA	659 659	g dry wt. g dry wt.	0.7958 0.7958	0.03735	Co60 Cs137	0.128	0.0141	0.0226	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	NS NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	I131	0.128	0.0141	17.3	pci/g dry wt.	2/23/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	K40	17.6	1.04	- , ,,,	pci/g dry wt.	2/23/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	Pa234m	1.11	1.28		pci/g dry wt.	2/23/2000
E10 E10	NS NS	SEDIMENT SEDIMENT	A0.01350B A0.01350B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407264F 00407264F		GAMMA GAMMA	659 659	g dry wt. g dry wt.	0.7958 0.7958	0.03735 0.03735	Pb212 Pb214	0.842 1.18	0.0549 0.0723		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	Ra224	0.63	0.29		pci/g dry wt.	2/23/2000
E10	NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	Ra226	2.27	0.3		pci/g dry wt.	2/23/2000
E10 E10	NS NS	SEDIMENT SEDIMENT	A0.01350B A0.01350B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407264F 00407264F		GAMMA GAMMA	659 659	g dry wt. g dry wt.	0.7958 0.7958	0.03735 0.03735	Ra228 T1208	0.786	0.0568 0.0211		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	NS NS	SEDIMENT	A0.01350B	2/23/2000 0:00	2/23/2000 0:00	00407264F		GAMMA	659	g dry wt.	0.7958	0.03735	U235	0.137	0.0211		pci/g dry wt.	2/23/2000
E10	1	SEDIMENT	A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt.	0.6719	0.05121	Ba140			6.94	pci/g dry wt.	2/23/2000
E10 E10	1	SEDIMENT SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407288P 00407288P		GAMMA GAMMA	604 604	g dry wt.	0.6719 0.6719	0.05121 0.05121	Be7 Bi212	0.203	0.202 0.148		pci/g dry wt.	2/23/2000 2/23/2000
E10	1	SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt. g dry wt.	0.6719	0.05121	Bi212	1.02	0.148		pci/g dry wt. pci/g dry wt.	2/23/2000
E10	1	SEDIMENT	A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt.	0.6719	0.05121	Co60			0.0231	pci/g dry wt.	2/23/2000
E10	1	SEDIMENT	A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt.	0.6719	0.05121	Cs137	0.145	0.015	10.4	pci/g dry wt.	2/23/2000
E10 E10	1	SEDIMENT SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407288P 00407288P		GAMMA GAMMA	604 604	g dry wt. g dry wt.	0.6719 0.6719	0.05121 0.05121	I131 K40	16.8	0.994	19.4	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	1	SEDIMENT	A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt.	0.6719	0.05121	Pa234m	1.38	0.958		pci/g dry wt.	2/23/2000
E10	1	SEDIMENT	A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt.	0.6719	0.05121	Pb212	0.911	0.0586		pci/g dry wt.	2/23/2000
E10 E10	1	SEDIMENT SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407288P 00407288P		GAMMA GAMMA	604 604	g dry wt. g dry wt.	0.6719 0.6719	0.05121 0.05121	Pb214 Ra224	1.13 0.422	0.0696		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
E10	1	SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P	1	GAMMA	604	g dry wt.	0.6719	0.05121	Ra224	2.07	0.283		pci/g dry wt.	2/23/2000
E10	1	SEDIMENT	A0.01356H	2/23/2000 0:00	2/23/2000 0:00	00407288P		GAMMA	604	g dry wt.	0.6719	0.05121	Ra228	0.819	0.0584		pci/g dry wt.	2/23/2000
E10 E10	1	SEDIMENT SEDIMENT	A0.01356H A0.01356H	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407288P 00407288P	1	GAMMA GAMMA	604 604	g dry wt. g dry wt.	0.6719 0.6719	0.05121 0.05121	Th234 T1208	1.04 0.299	0.257 0.0223		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407288P 00407208X		GAMMA	720	g dry wt.	0.6/19	0.03709	Ba140	0.299	0.0223	2.69	pci/g dry wt.	2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X		GAMMA	720	g dry wt.	0.7883	0.03709	Bi212	0.548	0.124		pci/g dry wt.	2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X		GAMMA	720	g dry wt.	0.7883	0.03709	Bi214	1.07	0.0663	0.0227	pci/g dry wt.	2/23/2000
MW MW	NS NS	SEDIMENT SEDIMENT	A0.01336D A0.01336D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407208X 00407208X	1	GAMMA GAMMA	720 720	g dry wt. g dry wt.	0.7883 0.7883	0.03709	Co60 Cs137	0.068	0.0113	0.0226	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X		GAMMA	720	g dry wt.	0.7883	0.03709	I131	0.000	0.0113	6.9	pci/g dry wt.	2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X		GAMMA	720	g dry wt.	0.7883	0.03709	K40	15.1	0.894		pci/g dry wt.	2/23/2000
MW MW	NS NS	SEDIMENT SEDIMENT	A0.01336D A0.01336D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407208X 00407208X	$\vdash$	GAMMA GAMMA	720 720	g dry wt. g dry wt.	0.7883 0.7883	0.03709	Pa234m Pb212	1.18 0.584	1.1 0.0412	<b>-</b>	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X		GAMMA	720	g dry wt.	0.7883	0.03709	Pb214	1.17	0.0711		pci/g dry wt.	2/23/2000
MW	NS	SEDIMENT	A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X		GAMMA	720	g dry wt.	0.7883	0.03709	Ra224	0.541	0.257		pci/g dry wt.	2/23/2000
MW MW	NS NS	SEDIMENT SEDIMENT	A0.01336D A0.01336D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407208X 00407208X	1	GAMMA GAMMA	720 720	g dry wt. g dry wt.	0.7883 0.7883	0.03709	Ra226 Ra228	2.19 0.524	0.285 0.043		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
MW	NS NS	SEDIMENT	A0.01336D A0.01336D	2/23/2000 0:00	2/23/2000 0:00	00407208X 00407208X	1	GAMMA	720	g dry wt.	0.7883	0.03709	T1208	0.524	0.043		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

					1													
	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
MW MW	NS 1	SEDIMENT SEDIMENT	A0.01336D A0.01337E	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407208X 00410476R		GAMMA	720 594	g dry wt.	0.7883 0.6593	0.03709 0.04825	U235	0.133	0.0173		pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SEDIMENT	A0.01337E A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00410476K 00407158E		GAMMA GAMMA	527	g dry wt. g dry wt.	0.6393	0.04823	Ba140	0.939	0.0637	0.953	pci/g dry wt. pci/g dry wt.	2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Bi212	1.24	0.196		pci/g dry wt.	2/23/2000
D2 D2	SOIL SOIL	SEDIMENT SEDIMENT	A0.01324Z A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527 527	g dry wt. g dry wt.	0.7116 0.7116	0.03937	Bi214 Co60	1.82	0.0457	0.027	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Cs137	0.327	0.0193		pci/g dry wt.	2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	I131	20	0.412	1.04	pci/g dry wt.	2/23/2000
D2 D2	SOIL SOIL	SEDIMENT	A0.01324Z A0.01324Z	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527 527	g dry wt.	0.7116 0.7116	0.03937	K40 Pa234m	20 4.11	0.412 1.48		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Pb212	1.34	0.0403		pci/g dry wt.	2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E 00407158E		GAMMA	527	g dry wt.	0.7116 0.7116	0.03937	Pb214	2	0.0442		pci/g dry wt.	2/23/2000 2/23/2000
D2 D2	SOIL	SEDIMENT	A0.01324Z A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527 527	g dry wt. g dry wt.	0.7116	0.03937	Ra224 Ra226	1.27 0.606	0.455 0.428		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Ra228	1.16	0.0517		pci/g dry wt.	2/23/2000
D2	SOIL	SEDIMENT	A0.01324Z	2/23/2000 0:00	2/23/2000 0:00	00407158E		GAMMA	527	g dry wt.	0.7116	0.03937	Th234	5.01	0.406		pci/g dry wt.	2/23/2000
D2 D2	SOIL SOIL	SEDIMENT SEDIMENT	A0.01324Z A0.01324Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407158E 00407158E		GAMMA GAMMA	527 527	g dry wt. g dry wt.	0.7116 0.7116	0.03937	T1208 U235	0.403	0.0201 0.0255		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	NS	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407136E		GAMMA	533	g dry wt.	0.668	0.0519	Ba140	0.500	0.0233	0.801	pci/g dry wt.	2/23/2000
D2	NS NG	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A		GAMMA	533	g dry wt.	0.668	0.0519	Bi212	1.12	0.179		pci/g dry wt.	2/23/2000
D2 D2	NS NS	SEDIMENT SEDIMENT	A0.01321W A0.01321W	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407146A 00407146A		GAMMA GAMMA	533 533	g dry wt. g dry wt.	0.668	0.0519 0.0519	Bi214 Co60	1.54	0.0429	0.0278	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	NS	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A		GAMMA	533	g dry wt.	0.668	0.0519	Cs137	0.21	0.0168	0.0270	pci/g dry wt.	2/23/2000
D2	NS	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A		GAMMA	533	g dry wt.	0.668	0.0519	I131			0.837	pci/g dry wt.	2/23/2000
D2 D2	NS NS	SEDIMENT SEDIMENT	A0.01321W A0.01321W	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407146A 00407146A		GAMMA GAMMA	533 533	g dry wt. g dry wt.	0.668	0.0519 0.0519	K40 Pa234m	20	0.411	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	NS	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A		GAMMA	533	g dry wt.	0.668	0.0519	Pb212	1.12	0.0395		pci/g dry wt.	2/23/2000
D2	NS	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A		GAMMA	533	g dry wt.	0.668	0.0519	Pb214	1.69	0.0406		pci/g dry wt.	2/23/2000
D2 D2	NS NS	SEDIMENT	A0.01321W A0.01321W	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407146A 00407146A		GAMMA GAMMA	533	g dry wt. g dry wt.	0.668	0.0519 0.0519	Ra223 Ra224	0.144	0.103 0.412		pci/g dry wt.	2/23/2000 2/23/2000
D2	NS NS	SEDIMENT	A0.01321W A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A 00407146A		GAMMA	533	g dry wt.	0.668	0.0519	Ra224 Ra226	4.35	0.412		pci/g dry wt. pci/g dry wt.	2/23/2000
D2	NS	SEDIMENT	A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A		GAMMA	533	g dry wt.	0.668	0.0519	Ra228	1.01	0.0473		pci/g dry wt.	2/23/2000
D2 D2	NS NS	SEDIMENT	A0.01321W A0.01321W	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407146A 00407146A		GAMMA GAMMA	533 533	g dry wt.	0.668	0.0519	Th234 T1208	2.97 0.364	0.368		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	NS NS	SEDIMENT	A0.01321W A0.01321W	2/23/2000 0:00	2/23/2000 0:00	00407146A 00407146A		GAMMA	533	g dry wt.	0.668	0.0519	U235	0.364	0.0196		pci/g dry wt.	2/23/2000
D2	1	SEDIMENT	A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	Ba140			0.667	pci/g dry wt.	2/23/2000
D2 D2	1	SEDIMENT SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407162A 00407162A		GAMMA GAMMA	543 543	g dry wt. g dry wt.	0.6503 0.6503	0.04815 0.04815	Be7 Bi212	0.159 1.03	0.133 0.167		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	i	SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A 00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	Bi212	1.38	0.036		pci/g dry wt.	2/23/2000
D2	1	SEDIMENT	A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	Co60			0.0264	pci/g dry wt.	2/23/2000
D2 D2	1	SEDIMENT SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407162A 00407162A		GAMMA GAMMA	543 543	g dry wt.	0.6503 0.6503	0.04815 0.04815	Cs137 I131	0.19	0.0157	0.649	pci/g dry wt.	2/23/2000 2/23/2000
D2	1	SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A 00407162A		GAMMA	543	g dry wt. g dry wt.	0.6503	0.04815	K40	18.4	0.354	0.049	pci/g dry wt. pci/g dry wt.	2/23/2000
D2	1	SEDIMENT	A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	Pa234m	2.52	1.43		pci/g dry wt.	2/23/2000
D2 D2	1	SEDIMENT SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407162A 00407162A		GAMMA GAMMA	543 543	g dry wt.	0.6503 0.6503	0.04815 0.04815	Pb212 Pb214	1.13	0.0327 0.0346		pci/g dry wt.	2/23/2000 2/23/2000
D2	1	SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A 00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	Ra223	0.101	0.0346	<del>                                     </del>	pci/g dry wt. pci/g dry wt.	2/23/2000
D2	1	SEDIMENT	A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	Ra224	0.665	0.303		pci/g dry wt.	2/23/2000
D2 D2	1	SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407162A 00407162A	$\vdash \exists$	GAMMA	543 543	g dry wt.	0.6503	0.04815	Ra226	4.82 0.946	0.358 0.0426		pci/g dry wt.	2/23/2000 2/23/2000
D2 D2	1	SEDIMENT	A0.01325A A0.01325A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407162A 00407162A	$\vdash$	GAMMA GAMMA	543 543	g dry wt. g dry wt.	0.6503 0.6503	0.04815	Ra228 Th234	3.23	0.0426	1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	1	SEDIMENT	A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A		GAMMA	543	g dry wt.	0.6503	0.04815	T1208	0.358	0.0166		pci/g dry wt.	2/23/2000
D2	1	SEDIMENT	A0.01325A	2/23/2000 0:00	2/23/2000 0:00	00407162A	lacksquare	GAMMA	543	g dry wt.	0.6503	0.04815	U235	0.292	0.0215	2.70	pci/g dry wt.	2/23/2000
D2 D2	5	SEDIMENT SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407224X 00407224X	$\vdash$	GAMMA GAMMA	758 758	g dry wt. g dry wt.	0.7758 0.7758	0.04401 0.04401	Ba140 Bi212	0.427	0.0895	3.78	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	5	SEDIMENT	A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	Bi214	0.741	0.0471		pci/g dry wt.	2/23/2000
D2	5	SEDIMENT	A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	Co60	0.65	0.0	0.0176	pci/g dry wt.	2/23/2000
D2 D2	5	SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407224X 00407224X	$\vdash$	GAMMA GAMMA	758 758	g dry wt.	0.7758 0.7758	0.04401	Cs137 I131	0.0566	0.00982	13.3	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	5	SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X 00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	K40	12.8	0.759	1.7.7	pci/g dry wt.	2/23/2000
D2	5	SEDIMENT	A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	Pa234m	1.32	0.766		pci/g dry wt.	2/23/2000
D2 D2	5	SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407224X 00407224X	$\vdash \vdash$	GAMMA GAMMA	758 758	g dry wt. g dry wt.	0.7758 0.7758	0.04401 0.04401	Pb212 Pb214	0.435 0.805	0.0318		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	5	SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X 00407224X	$\vdash$	GAMMA	758	g dry wt.	0.7758	0.04401	Ra224	0.803	0.0301	1	pci/g dry wt.	2/23/2000
D2	5	SEDIMENT	A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	Ra226	1.75	0.218		pci/g dry wt.	2/23/2000
D2	5	SEDIMENT	A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	Ra228	0.388	0.0335	<u> </u>	pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

					1													
	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D2 D2	5	SEDIMENT SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407224X 00407224X		GAMMA GAMMA	758 758	g dry wt. g dry wt.	0.7758 0.7758	0.04401 0.04401	Th234 Tl208	0.783 0.147	0.183 0.0132		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D2	5	SEDIMENT	A0.01340Z A0.01340Z	2/23/2000 0:00	2/23/2000 0:00	00407224X 00407224X		GAMMA	758	g dry wt.	0.7758	0.04401	U235	0.147	0.0132		pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	Ba140	0.740	0.154	0.774	pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407140U 00407140U		GAMMA GAMMA	464 464	g dry wt. g dry wt.	0.5126 0.5126	0.08329 0.08329	Be7 Bi212	0.749	0.154 0.175		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	Bi214	1.38	0.0404		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407140U 00407140U		GAMMA	464 464	g dry wt.	0.5126	0.08329	Co60	0.126	0.0146	0.0261	pci/g dry wt.	2/23/2000 2/23/2000
D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U 00407140U		GAMMA GAMMA	464	g dry wt.	0.5126 0.5126	0.08329	Cs137	0.126	0.0146	0.774	pci/g dry wt. pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	K40	16.3	0.38		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407140U 00407140U		GAMMA GAMMA	464 464	g dry wt. g dry wt.	0.5126 0.5126	0.08329 0.08329	Pa234m Pb212	2.77 1.2	1.41 0.0384		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U 00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	Pb212 Pb214	1.48	0.0384		pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	Ra224	1.06	0.379		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407140U 00407140U		GAMMA GAMMA	464 464	g dry wt.	0.5126 0.5126	0.08329 0.08329	Ra226 Ra228	3.81 1.13	0.363		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	Th234	1.13	0.0403		pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407140U		GAMMA	464	g dry wt.	0.5126	0.08329	T1208	0.399	0.02		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407140U 00407144Y	DUP	GAMMA GAMMA	464 464	g dry wt.	0.5126 0.5126	0.08329 0.08329	U235 Ba140	0.226	0.0216	2.04	pci/g dry wt.	2/23/2000 2/23/2000
D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y 00407144Y	DUP	GAMMA	464	g dry wt. g dry wt.	0.5126	0.08329	Be7	0.711	0.166	2.04	pci/g dry wt. pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	Bi212	1.08	0.138		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407144Y 00407144Y	DUP DUP	GAMMA GAMMA	464 464	g dry wt. g dry wt.	0.5126 0.5126	0.08329 0.08329	Bi214 Co60	1.38	0.0338	0.0253	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y 00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	Cs137	0.124	0.0135	0.0233	pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	I131			4.06	pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407144Y 00407144Y	DUP DUP	GAMMA GAMMA	464 464	g dry wt.	0.5126 0.5126	0.08329	K40 Pa234m	15.8 2.09	0.313 1.25		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y 00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	Pb212	1.16	0.0295		pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	Pb214	1.47	0.0302		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407144Y 00407144Y	DUP DUP	GAMMA GAMMA	464 464	g dry wt. g dry wt.	0.5126 0.5126	0.08329 0.08329	Ra224 Ra226	0.409 3.98	0.272 0.295		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	Ra228	1.08	0.293		pci/g dry wt.	2/23/2000
D4	NS	SEDIMENT	A0.01320V	2/23/2000 0:00	2/23/2000 0:00	00407144Y	DUP	GAMMA	464	g dry wt.	0.5126	0.08329	Th234	1.81	0.23		pci/g dry wt.	2/23/2000
D4 D4	NS NS	SEDIMENT	A0.01320V A0.01320V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407144Y 00407144Y	DUP	GAMMA GAMMA	464 464	g dry wt. g dry wt.	0.5126 0.5126	0.08329	T1208	0.39	0.0163 0.0176		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	004071441 00407166E	DOI	GAMMA	459	g dry wt.	0.5366	0.0905	Ba140	0.230	0.0170	0.5	pci/g dry wt.	2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	Be7	0.599	0.108		pci/g dry wt.	2/23/2000
D4 D4	1	SEDIMENT SEDIMENT	A0.01326B A0.01326B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407166E 00407166E		GAMMA GAMMA	459 459	g dry wt. g dry wt.	0.5366 0.5366	0.0905	Bi212 Bi214	1.15	0.133 0.0287		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	Co60	1.45	0.0287	0.0209	pci/g dry wt.	2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	Cs137	0.113	0.0108		pci/g dry wt.	2/23/2000
D4 D4	1	SEDIMENT SEDIMENT	A0.01326B A0.01326B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407166E 00407166E		GAMMA GAMMA	459 459	g dry wt. g dry wt.	0.5366 0.5366	0.0905 0.0905	I131 K40	16.1	0.271	0.483	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E	$\vdash$	GAMMA	459	g dry wt.	0.5366	0.0905	Pa234m	2.07	0.992		pci/g dry wt.	2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	Pb212	1.18	0.025		pci/g dry wt.	2/23/2000
D4 D4	1	SEDIMENT	A0.01326B A0.01326B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407166E 00407166E	$\vdash$	GAMMA GAMMA	459 459	g dry wt. g dry wt.	0.5366	0.0905	Pb214 Ra224	1.51	0.0264	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	Ra226	1.49	0.25		pci/g dry wt.	2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	Ra228	1.13	0.0341		pci/g dry wt.	2/23/2000
D4 D4	1	SEDIMENT	A0.01326B A0.01326B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407166E 00407166E	$\vdash$	GAMMA GAMMA	459 459	g dry wt.	0.5366 0.5366	0.0905	Th234 Tl208	0.394	0.194	1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	1	SEDIMENT	A0.01326B	2/23/2000 0:00	2/23/2000 0:00	00407166E		GAMMA	459	g dry wt.	0.5366	0.0905	U235	0.146	0.0151		pci/g dry wt.	2/23/2000
D4	5	SEDIMENT	A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	Ba140	0.247	0.151	0.83	pci/g dry wt.	2/23/2000
D4 D4	5	SEDIMENT SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407150W 00407150W	$\vdash$	GAMMA GAMMA	533	g dry wt. g dry wt.	0.5959	0.07411 0.07411	Be7 Bi212	0.344 1.32	0.151 0.182	1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	5	SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	Bi214	1.46	0.182		pci/g dry wt.	2/23/2000
D4	5	SEDIMENT	A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	Co60	0.111	0.0155	0.0253	pci/g dry wt.	2/23/2000
D4 D4	5	SEDIMENT SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407150W 00407150W	$\vdash$	GAMMA GAMMA	533 533	g dry wt. g dry wt.	0.5959 0.5959	0.07411 0.07411	Cs137 I131	0.111	0.0152	0.855	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	5	SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	K40	16.7	0.376	0.000	pci/g dry wt.	2/23/2000
D4	5	SEDIMENT	A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	Pa234m	1.71	1.29		pci/g dry wt.	2/23/2000
D4 D4	5	SEDIMENT SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407150W 00407150W	$\vdash$	GAMMA GAMMA	533 533	g dry wt. g dry wt.	0.5959 0.5959	0.07411 0.07411	Pb212 Pb214	1.29	0.039	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	5	SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	Ra224	1.12	0.407		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

					1													
	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D4 D4	5	SEDIMENT SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407150W 00407150W		GAMMA GAMMA	533 533	g dry wt. g dry wt.	0.5959	0.07411 0.07411	Ra226 Ra228	3.76 1.18	0.366 0.0498		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D4	5	SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00	2/23/2000 0:00	00407150W		GAMMA	533	g dry wt.	0.5959	0.07411	Th234	2.36	0.403		pci/g dry wt.	2/23/2000
D4 D4	5	SEDIMENT SEDIMENT	A0.01322X A0.01322X	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407150W 00407150W		GAMMA GAMMA	533 533	g dry wt. g dry wt.	0.5959	0.07411 0.07411	T1208	0.408 0.227	0.0199		pci/g dry wt.	2/23/2000 2/23/2000
D6	NS	SEDIMENT	A0.01322X A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407130W 00407014N		GAMMA	590	g dry wt.	0.5939	0.07411	Ba140	0.227	0.022	0.613	pci/g dry wt. pci/g dry wt.	2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	Be7	0.206	0.192		pci/g dry wt.	2/23/2000
D6 D6	NS NS	SEDIMENT SEDIMENT	A0.01310T A0.01310T	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407014N 00407014N		GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.6803	0.05444 0.05444	Bi212 Bi214	1.28	0.231		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	Co60			0.0423	pci/g dry wt.	2/23/2000
D6 D6	NS NS	SEDIMENT SEDIMENT	A0.01310T A0.01310T	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407014N 00407014N		GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.6803 0.6803	0.05444 0.05444	Cs137 I131	0.115	0.0175	0.482	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	K40	17.7	0.503	0.462	pci/g dry wt.	2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	Pa234m	5.11	2.01		pci/g dry wt.	2/23/2000
D6 D6	NS NS	SEDIMENT SEDIMENT	A0.01310T A0.01310T	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407014N 00407014N		GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.6803	0.05444 0.05444	Pb212 Pb214	1.39	0.0407 0.0432		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	Ra224	0.518	0.345		pci/g dry wt.	2/23/2000
D6 D6	NS NS	SEDIMENT SEDIMENT	A0.01310T A0.01310T	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407014N 00407014N		GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.6803 0.6803	0.05444 0.05444	Ra226 Ra228	5.62 1.22	0.403 0.0582		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N 00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	Th234	4.16	0.0382		pci/g dry wt.	2/23/2000
D6	NS	SEDIMENT	A0.01310T	2/23/2000 0:00	2/23/2000 0:00	00407014N		GAMMA	590	g dry wt.	0.6803	0.05444	T1208	0.437	0.0239		pci/g dry wt.	2/23/2000
D6 D6	NS 1	SEDIMENT SEDIMENT	A0.01310T A0.01307Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407014N 004070021		GAMMA GAMMA	590 747	g dry wt.	0.6803 0.8638	0.05444	U235 Ba140	0.333	0.0238	0.372	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	i	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	Bi212	0.664	0.123	0.572	pci/g dry wt.	2/23/2000
D6 D6	1	SEDIMENT SEDIMENT	A0.01307Y A0.01307Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407002J 00407002J		GAMMA GAMMA	747 747	g dry wt.	0.8638 0.8638	0.02871 0.02871	Bi214 Co60	1.45	0.0304	0.0223	pci/g dry wt.	2/23/2000 2/23/2000
D6	1	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	Cs137	0.0184	0.0094	0.0223	pci/g dry wt. pci/g dry wt.	2/23/2000
D6	1	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	I131			0.288	pci/g dry wt.	2/23/2000
D6	1	SEDIMENT	A0.01307Y A0.01307Y	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407002J 00407002J		GAMMA GAMMA	747 747	g dry wt. g dry wt.	0.8638 0.8638	0.02871 0.02871	K40 Pa234m	19 1.27	0.308		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	1	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	Pb212	0.648	0.0242		pci/g dry wt.	2/23/2000
D6	1	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	Pb214	1.56	0.0275		pci/g dry wt.	2/23/2000
D6	1	SEDIMENT	A0.01307Y A0.01307Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407002J 00407002J		GAMMA GAMMA	747 747	g dry wt.	0.8638	0.02871	Ra223 Ra224	0.0939	0.0511		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	1	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	Ra226	3.08	0.256		pci/g dry wt.	2/23/2000
D6 D6	1	SEDIMENT	A0.01307Y A0.01307Y	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407002J 00407002J		GAMMA GAMMA	747 747	g dry wt. g dry wt.	0.8638 0.8638	0.02871	Ra228 Th234	0.596	0.0323		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	1	SEDIMENT	A0.01307Y	2/23/2000 0:00	2/23/2000 0:00	00407002J		GAMMA	747	g dry wt.	0.8638	0.02871	T1208	0.201	0.0123		pci/g dry wt.	2/23/2000
D6 D6	1 5	SEDIMENT SEDIMENT	A0.01307Y A0.01308Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407002J 00407006N		GAMMA GAMMA	747 590	g dry wt.	0.8638 0.7108	0.02871 0.04426	U235 Ba140	0.185	0.0154	0.437	pci/g dry wt.	2/23/2000 2/23/2000
D6	5	SEDIMENT	A0.01308Z A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N 00407006N		GAMMA	590	g dry wt. g dry wt.	0.7108	0.04426	Bi212	0.808	0.151	0.437	pci/g dry wt. pci/g dry wt.	2/23/2000
D6	5	SEDIMENT	A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N		GAMMA	590	g dry wt.	0.7108	0.04426	Bi214	1.16	0.0298		pci/g dry wt.	2/23/2000
D6 D6	5	SEDIMENT SEDIMENT	A0.01308Z A0.01308Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407006N 00407006N		GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.7108 0.7108	0.04426 0.04426	Co60 Cs137	0.135	0.0128	0.0244	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	5	SEDIMENT	A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N		GAMMA	590	g dry wt.	0.7108	0.04426	I131	0.155	0.0120	0.358	pci/g dry wt.	2/23/2000
D6 D6	5	SEDIMENT SEDIMENT	A0.01308Z A0.01308Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407006N 00407006N		GAMMA GAMMA	590 590	g dry wt.	0.7108 0.7108	0.04426 0.04426	K40 Pa234m	17.8 2.55	0.304 1.28		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	5	SEDIMENT	A0.01308Z A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N 00407006N		GAMMA	590	g dry wt.	0.7108	0.04426	Pb212	0.89	0.0292		pci/g dry wt.	2/23/2000
D6	5	SEDIMENT	A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N		GAMMA	590	g dry wt.	0.7108	0.04426	Pb214	1.26	0.0312		pci/g dry wt.	2/23/2000
D6 D6	5	SEDIMENT SEDIMENT	A0.01308Z A0.01308Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407006N 00407006N	$\vdash$	GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.7108 0.7108	0.04426 0.04426	Ra224 Ra226	0.685 2.97	0.3		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	5	SEDIMENT	A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N		GAMMA	590	g dry wt.	0.7108	0.04426	Ra228	0.812	0.0359		pci/g dry wt.	2/23/2000
D6	5	SEDIMENT	A0.01308Z	2/23/2000 0:00	2/23/2000 0:00	00407006N	lacksquare	GAMMA	590 590	g dry wt.	0.7108	0.04426 0.04426	Th234	1.38 0.293	0.256		pci/g dry wt.	2/23/2000
D6 D6	5	SEDIMENT SEDIMENT	A0.01308Z A0.01308Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407006N 00407006N		GAMMA GAMMA	590 590	g dry wt. g dry wt.	0.7108 0.7108	0.04426	T1208 U235	0.293	0.0144 0.0163		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	10	SEDIMENT	A0.01309A	2/23/2000 0:00	2/23/2000 0:00	00407010J		GAMMA	744	g dry wt.	0.7717	0.05174	Ba140			0.313	pci/g dry wt.	2/23/2000
D6 D6	10 10	SEDIMENT SEDIMENT	A0.01309A A0.01309A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407010J 00407010J		GAMMA GAMMA	744 744	g dry wt. g dry wt.	0.7717 0.7717	0.05174 0.05174	Be7 Bi212	0.0819	0.0701 0.113	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	10	SEDIMENT	A0.01309A A0.01309A	2/23/2000 0:00	2/23/2000 0:00	00407010J		GAMMA	744	g dry wt.	0.7717	0.05174	Bi214	0.467	0.0249		pci/g dry wt.	2/23/2000
D6	10	SEDIMENT	A0.01309A	2/23/2000 0:00	2/23/2000 0:00	00407010J		GAMMA	744	g dry wt.	0.7717	0.05174	Co60	0.0226	0.00912	0.0178	pci/g dry wt.	2/23/2000
D6 D6	10 10	SEDIMENT SEDIMENT	A0.01309A A0.01309A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407010J 00407010J	$\vdash$	GAMMA GAMMA	744 744	g dry wt. g dry wt.	0.7717 0.7717	0.05174 0.05174	Cs137 I131	0.0336	0.00912	0.255	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	10	SEDIMENT	A0.01309A	2/23/2000 0:00	2/23/2000 0:00	00407010J		GAMMA	744	g dry wt.	0.7717	0.05174	K40	15.6	0.273		pci/g dry wt.	2/23/2000
D6 D6	10	SEDIMENT SEDIMENT	A0.01309A A0.01309A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407010J 00407010J		GAMMA GAMMA	744 744	g dry wt. g dry wt.	0.7717 0.7717	0.05174 0.05174	Pb212 Pb214	0.432	0.0209 0.0235	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D6	10	SEDIMENT	A0.01309A	2/23/2000 0:00	2/23/2000 0:00	00407010J		GAMMA	744	g dry wt.	0.7717	0.05174	Ra226	2	0.0233		pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D6 D6	10 10	SEDIMENT SEDIMENT	A0.01309A A0.01309A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407010J 00407010J		GAMMA GAMMA	744 744	g dry wt. g dry wt.	0.7717 0.7717	0.05174 0.05174	Ra228 T1208	0.391	0.028 0.0112		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	NS	SEDIMENT	A0.01309A A0.01312V	2/23/2000 0:00	2/23/2000 0:00	004070103 00407108U		GAMMA	687	g dry wt.	0.8055	0.03174	Ba140	0.140	0.0112	0.413	pci/g dry wt.	2/23/2000
D8	NS	SEDIMENT	A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	Bi212	0.545	0.115		pci/g dry wt.	2/23/2000
D8 D8	NS NS	SEDIMENT SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407108U 00407108U		GAMMA GAMMA	687 687	g dry wt. g dry wt.	0.8055 0.8055	0.03479 0.03479	Bi214 Co60	1.46	0.0299	0.0218	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	NS	SEDIMENT	A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	Cs137	0.0922	0.0112		pci/g dry wt.	2/23/2000
D8	NS NS	SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407108U 00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	I131	15.2	0.264	0.339	pci/g dry wt.	2/23/2000 2/23/2000
D8 D8	NS NS	SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U 00407108U		GAMMA GAMMA	687 687	g dry wt.	0.8055	0.03479	K40 Pa234m	15.2 1.16	0.264		pci/g dry wt. pci/g dry wt.	2/23/2000
D8	NS	SEDIMENT	A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	Pb212	0.616	0.0247		pci/g dry wt.	2/23/2000
D8 D8	NS NS	SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407108U 00407108U		GAMMA GAMMA	687 687	g dry wt. g dry wt.	0.8055 0.8055	0.03479	Pb214 Ra224	1.59 0.319	0.0301		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	NS	SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	Ra226	2.64	0.276		pci/g dry wt.	2/23/2000
D8	NS	SEDIMENT	A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	Ra228	0.582	0.0294		pci/g dry wt.	2/23/2000
D8 D8	NS NS	SEDIMENT SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407108U 00407108U		GAMMA GAMMA	687 687	g dry wt.	0.8055 0.8055	0.03479	Th234 Tl208	0.73	0.215 0.0125		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	NS	SEDIMENT	A0.01312V A0.01312V	2/23/2000 0:00	2/23/2000 0:00	00407108U		GAMMA	687	g dry wt.	0.8055	0.03479	U235	0.162	0.0125		pci/g dry wt.	2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Ba140			0.677	pci/g dry wt.	2/23/2000
D8 D8	1	SEDIMENT SEDIMENT	A0.01327C A0.01327C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407170A 00407170A		GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7492 0.7492	0.03832 0.03832	Bi212 Bi214	1 1.68	0.145 0.034		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Co60	1.00	0.034	0.0257	pci/g dry wt.	2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Cs137	0.166	0.0136		pci/g dry wt.	2/23/2000
D8 D8	1	SEDIMENT SEDIMENT	A0.01327C A0.01327C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407170A 00407170A		GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7492 0.7492	0.03832 0.03832	I131 K40	16.2	0.29	0.707	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Pb212	1.16	0.0318		pci/g dry wt.	2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Pb214	1.82	0.0323		pci/g dry wt.	2/23/2000
D8 D8	1	SEDIMENT	A0.01327C A0.01327C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407170A 00407170A		GAMMA GAMMA	605 605	g dry wt.	0.7492 0.7492	0.03832 0.03832	Ra224 Ra226	0.93 3.28	0.311		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Ra228	1.02	0.0377		pci/g dry wt.	2/23/2000
D8	1	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A		GAMMA	605	g dry wt.	0.7492	0.03832	Th234	1.71	0.298		pci/g dry wt.	2/23/2000
D8 D8	1	SEDIMENT SEDIMENT	A0.01327C A0.01327C	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407170A 00407170A		GAMMA GAMMA	605 605	g dry wt. g dry wt.	0.7492 0.7492	0.03832 0.03832	T1208 U235	0.372 0.198	0.016 0.0185		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	5	SEDIMENT	A0.01327C	2/23/2000 0:00	2/23/2000 0:00	00407170A 00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	Ba140	0.176	0.0163	0.383	pci/g dry wt.	2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	Bi212	0.372	0.122		pci/g dry wt.	2/23/2000
D8 D8	5	SEDIMENT	A0.01311U A0.01311U	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407018T 00407018T		GAMMA GAMMA	689 689	g dry wt. g dry wt.	0.7798	0.03269	Bi214 Co60	1.6	0.0317	0.0218	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	Cs137			0.0214	pci/g dry wt.	2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	I131	147	0.202	0.307	pci/g dry wt.	2/23/2000
D8 D8	5	SEDIMENT SEDIMENT	A0.01311U A0.01311U	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407018T 00407018T		GAMMA GAMMA	689 689	g dry wt. g dry wt.	0.7798 0.7798	0.03269	K40 Pb212	0.39	0.282		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	Pb214	1.74	0.0296		pci/g dry wt.	2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	Ra224	0.298	0.241		pci/g dry wt.	2/23/2000
D8 D8	5	SEDIMENT SEDIMENT	A0.01311U A0.01311U	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407018T 00407018T		GAMMA GAMMA	689 689	g dry wt. g dry wt.	0.7798 0.7798	0.03269 0.03269	Ra226 Ra228	2.62 0.32	0.269 0.0293		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T		GAMMA	689	g dry wt.	0.7798	0.03269	Th234	0.525	0.194		pci/g dry wt.	2/23/2000
D8	5	SEDIMENT	A0.01311U	2/23/2000 0:00	2/23/2000 0:00	00407018T	lacksquare	GAMMA	689	g dry wt.	0.7798	0.03269	T1208	0.11	0.0112		pci/g dry wt.	2/23/2000
D8 D10	5 NS	SEDIMENT SEDIMENT	A0.01311U A0.01316Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407018T 00407124U		GAMMA GAMMA	689 736	g dry wt. g dry wt.	0.7798	0.03269 0.03648	U235 Ba140	0.157	0.0162	0.445	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	NS	SEDIMENT	A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U		GAMMA	736	g dry wt.	0.8069	0.03648	Bi212	0.432	0.107		pci/g dry wt.	2/23/2000
D10	NS NC	SEDIMENT	A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U	$\vdash$	GAMMA	736 736	g dry wt.	0.8069	0.03648	Bi214	2.15	0.0322	0.0221	pci/g dry wt.	2/23/2000
D10 D10	NS NS	SEDIMENT SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA GAMMA	736	g dry wt.	0.8069	0.03648	Co60 Cs137	0.0438	0.00976	0.0221	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	NS	SEDIMENT	A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U		GAMMA	736	g dry wt.	0.8069	0.03648	I131			0.397	pci/g dry wt.	2/23/2000
D10 D10	NS NS	SEDIMENT SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA GAMMA	736 736	g dry wt.	0.8069	0.03648	K40 Pa234m	12.1	0.23		pci/g dry wt.	2/23/2000 2/23/2000
D10	NS NS	SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA	736	g dry wt. g dry wt.	0.8069	0.03648	Pa234m Pb212	0.504	0.991		pci/g dry wt. pci/g dry wt.	2/23/2000
D10	NS	SEDIMENT	A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U		GAMMA	736	g dry wt.	0.8069	0.03648	Pb214	2.38	0.0324		pci/g dry wt.	2/23/2000
D10 D10	NS NS	SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA GAMMA	736 736	g dry wt. g dry wt.	0.8069	0.03648	Ra223 Ra226	0.133 3.61	0.0534		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	NS NS	SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA	736	g dry wt.	0.8069	0.03648	Ra228	0.437	0.256		pci/g dry wt.	2/23/2000
D10	NS	SEDIMENT	A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U		GAMMA	736	g dry wt.	0.8069	0.03648	Rn219	0.181	0.0592		pci/g dry wt.	2/23/2000
D10 D10	NS NS	SEDIMENT SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA GAMMA	736 736	g dry wt. g dry wt.	0.8069 0.8069	0.03648 0.03648	Th234 Tl208	0.482	0.245 0.0119		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10 D10	NS NS	SEDIMENT	A0.01316Z A0.01316Z	2/23/2000 0:00	2/23/2000 0:00	00407124U 00407124U	$\vdash$	GAMMA	736	g dry wt.	0.8069	0.03648	U235	0.161	0.0119		pci/g dry wt. pci/g dry wt.	2/23/2000
D10	1	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	Ba140			0.465	pci/g dry wt.	2/23/2000

Appendix 23. Total gamma radiation in soil and sediment from field sampling, February 2000.

	Lateral																	
Location	Distance (m)	Matrix	NAREL ID	Collect Start	Collect End	Analytical ID	QA	Procedure	Aliquot	Unit	Dry/Wet	Ash/Dry	Analyte	Conc.	2*CSU	MDC	Unit	Res. Date
D10 D10	1	SEDIMENT	A0.01317A A0.01317A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407128Y 00407128Y		GAMMA GAMMA	712 712	g dry wt.	0.8236 0.8236	0.03332	Bi212 Bi214	0.716 2.25	0.153		pci/g dry wt.	2/23/2000 2/23/2000
D10	1	SEDIMENT	A0.01317A A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt. g dry wt.	0.8236	0.03332	Co60	2.23	0.0367	0.0208	pci/g dry wt. pci/g dry wt.	2/23/2000
D10	1	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	Cs137	0.0505	0.00969		pci/g dry wt.	2/23/2000
D10 D10	1	SEDIMENT SEDIMENT	A0.01317A A0.01317A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407128Y 00407128Y		GAMMA	712 712	g dry wt.	0.8236 0.8236	0.03332	I131	14	0.269	0.396	pci/g dry wt.	2/23/2000 2/23/2000
D10	1	SEDIMENT	A0.01317A A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA GAMMA	712	g dry wt. g dry wt.	0.8236	0.03332	K40 Pa234m	1.07	1.09		pci/g dry wt. pci/g dry wt.	2/23/2000
D10	1	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	Pb212	0.894	0.0271		pci/g dry wt.	2/23/2000
D10	1	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	Pb214	2.42	0.0344		pci/g dry wt.	2/23/2000 2/23/2000
D10 D10	1	SEDIMENT SEDIMENT	A0.01317A A0.01317A	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407128Y 00407128Y		GAMMA GAMMA	712 712	g dry wt. g dry wt.	0.8236 0.8236	0.03332	Ra223 Ra224	0.2	0.0562	1	pci/g dry wt. pci/g dry wt.	2/23/2000
D10	i	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	Ra226	4.45	0.311		pci/g dry wt.	2/23/2000
D10	1	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	Ra228	0.805	0.0368		pci/g dry wt.	2/23/2000
D10 D10	1	SEDIMENT SEDIMENT	A0.01317A A0.01317A	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407128Y 00407128Y		GAMMA GAMMA	712 712	g dry wt. g dry wt.	0.8236 0.8236	0.03332 0.03332	Th234 Tl208	1.64 0.276	0.264 0.0147		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	1	SEDIMENT	A0.01317A	2/23/2000 0:00	2/23/2000 0:00	00407128Y		GAMMA	712	g dry wt.	0.8236	0.03332	U235	0.262	0.0147		pci/g dry wt.	2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Ba140			0.508	pci/g dry wt.	2/23/2000
D10 D10	5	SEDIMENT SEDIMENT	A0.01328D A0.01328D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407174E 00407174E	$\vdash$	GAMMA GAMMA	712 712	g dry wt. g dry wt.	0.8434 0.8434	0.03252 0.03252	Bi212 Bi214	0.343 1.36	0.125 0.0298	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10 D10	5	SEDIMENT	A0.01328D A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E 00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Co60	1.30	0.0298	0.0199	pci/g dry wt. pci/g dry wt.	2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Cs137			0.0188	pci/g dry wt.	2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	I131			0.492	pci/g dry wt.	2/23/2000
D10 D10	5	SEDIMENT SEDIMENT	A0.01328D A0.01328D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407174E 00407174E		GAMMA GAMMA	712 712	g dry wt. g dry wt.	0.8434 0.8434	0.03252 0.03252	K40 Pa234m	14.6	0.271 0.845		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Pb212	0.443	0.0216		pci/g dry wt.	2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Pb214	1.5	0.028		pci/g dry wt.	2/23/2000
D10 D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E 00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Ra224	0.41	0.239		pci/g dry wt.	2/23/2000
D10	5	SEDIMENT	A0.01328D A0.01328D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407174E 00407174E		GAMMA GAMMA	712 712	g dry wt. g dry wt.	0.8434	0.03252 0.03252	Ra226 Ra228	0.544	0.26		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Rn219	0.0765	0.0476		pci/g dry wt.	2/23/2000
D10	5	SEDIMENT	A0.01328D	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	712	g dry wt.	0.8434	0.03252	Th234	1.32	0.233		pci/g dry wt.	2/23/2000
D10 D10	5	SEDIMENT SEDIMENT	A0.01328D A0.01328D	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407174E 00407174E		GAMMA GAMMA	712 712	g dry wt. g dry wt.	0.8434	0.03252 0.03252	T1208 U235	0.128 0.126	0.0114 0.0154		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	NS	SEDIMENT	A0.01328D A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407174E		GAMMA	589	g dry wt.	0.7464	0.03232	Ba140	0.120	0.0134	0.504	pci/g dry wt.	2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P		GAMMA	589	g dry wt.	0.7464	0.03713	Bi212	0.885	0.183		pci/g dry wt.	2/23/2000
D15	NS NS	SEDIMENT SEDIMENT	A0.01313W A0.01313W	2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407112P 00407112P		GAMMA GAMMA	589 589	g dry wt. g dry wt.	0.7464	0.03713	Bi214 Co60	2.35	0.0408	0.0266	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	NS NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P 00407112P		GAMMA	589	g dry wt.	0.7464	0.03713	Cs137	0.386	0.0174	0.0200	pci/g dry wt.	2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P		GAMMA	589	g dry wt.	0.7464	0.03713	I131			0.416	pci/g dry wt.	2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P		GAMMA	589 589	g dry wt.	0.7464	0.03713	K40	16	0.319		pci/g dry wt.	2/23/2000
D15	NS NS	SEDIMENT SEDIMENT	A0.01313W A0.01313W	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407112P 00407112P		GAMMA GAMMA	589	g dry wt. g dry wt.	0.7464	0.03713 0.03713	Pa234m Pb212	2.4 1.06	1.42 0.0331		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P		GAMMA	589	g dry wt.	0.7464	0.03713	Pb214	2.54	0.0393		pci/g dry wt.	2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P		GAMMA	589	g dry wt.	0.7464	0.03713	Ra223	0.145	0.0744		pci/g dry wt.	2/23/2000
D15 D15	NS NS	SEDIMENT SEDIMENT	A0.01313W A0.01313W	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407112P 00407112P		GAMMA GAMMA	589 589	g dry wt. g dry wt.	0.7464 0.7464	0.03713 0.03713	Ra226 Ra228	4.47 0.934	0.356 0.0431		pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P 00407112P	1	GAMMA	589	g dry wt.	0.7464	0.03713	Rn219	0.934	0.0451	1	pci/g dry wt.	2/23/2000
D15	NS	SEDIMENT	A0.01313W	2/23/2000 0:00	2/23/2000 0:00	00407112P		GAMMA	589	g dry wt.	0.7464	0.03713	Th234	1.94	0.285		pci/g dry wt.	2/23/2000
D15 D15	NS NS	SEDIMENT SEDIMENT	A0.01313W A0.01313W	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407112P 00407112P	1	GAMMA GAMMA	589 589	g dry wt.	0.7464	0.03713 0.03713	T1208	0.331	0.0178 0.0215	1	pci/g dry wt.	2/23/2000 2/23/2000
D15 D20	NS NS	SEDIMENT	A0.01313W A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407112P 00407232X	$\vdash$	GAMMA GAMMA	708	g dry wt. g dry wt.	0.7464	0.03713	U235 Ba140	0.27	0.0215	5	pci/g dry wt. pci/g dry wt.	2/23/2000
D20	NS	SEDIMENT	A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	Bi212	0.756	0.134		pci/g dry wt.	2/23/2000
D20	NS	SEDIMENT	A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	Bi214	1.65	0.0987	0.0222	pci/g dry wt.	2/23/2000
D20 D20	NS NS	SEDIMENT SEDIMENT	A0.01342B A0.01342B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407232X 00407232X	<del>                                     </del>	GAMMA GAMMA	708 708	g dry wt. g dry wt.	0.7587 0.7587	0.03931	Co60 Cs137	0.0751	0.0121	0.0233	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	NS	SEDIMENT	A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X 00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	I131	0.0751	0.0121	16.9	pci/g dry wt.	2/23/2000
D20	NS	SEDIMENT	A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	K40	14.1	0.844		pci/g dry wt.	2/23/2000
D20 D20	NS NS	SEDIMENT SEDIMENT	A0.01342B A0.01342B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407232X 00407232X		GAMMA GAMMA	708 708	g dry wt. g dry wt.	0.7587 0.7587	0.03931	Pb212 Pb214	0.689 1.84	0.0455 0.108	-	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	NS NS	SEDIMENT	A0.01342B A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X 00407232X	1	GAMMA	708	g dry wt.	0.7587	0.03931	Ra224	0.503	0.108	1	pci/g dry wt.	2/23/2000
D20	NS	SEDIMENT	A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	Ra226	3.03	0.313		pci/g dry wt.	2/23/2000
D20 D20	NS NS	SEDIMENT	A0.01342B A0.01342B	2/23/2000 0:00 2/23/2000 0:00	2/23/2000 0:00 2/23/2000 0:00	00407232X 00407232X	1	GAMMA GAMMA	708 708	g dry wt. g dry wt.	0.7587	0.03931	Ra228 Th227	0.613	0.0477	1	pci/g dry wt. pci/g dry wt.	2/23/2000 2/23/2000
D20	NS NS	SEDIMENT	A0.01342B A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X 00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	Th234	0.118	0.0616	<del>                                     </del>	pci/g dry wt.	2/23/2000
D20	NS	SEDIMENT	A0.01342B	2/23/2000 0:00	2/23/2000 0:00	00407232X		GAMMA	708	g dry wt.	0.7587	0.03931	T1208	0.23	0.0187		pci/g dry wt.	2/23/2000

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**Appendix 25**. Water quality summary from July 1998 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Species	Water Type	Nominal Conc. (mg/L)	DO (mg/L)	pН	Cond (µmhos/cm)	Temp (°C)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)
CPM	Colorado		10.7	8.34	776	23.2	116	238	0	0
	River	0	(0.1)	(0.06)	(8)	(1.3)	(23)	(40)	(0)	(0)
			N=7	N=7	$\hat{N}=7$	N=9	$\hat{N}=\hat{2}$	$\hat{N}=\hat{2}$	N=6	N=6
CPM	Colorado		10.7	8.34	782	23.3	110	225	0	0
	River	0.5	(0.2)	(0.06)	(3)	(1.3)	(28)	(58)	(0)	(0)
			N=7	N=7	$\hat{N}=7$	N=9	N=2	N=2	N=7	N=7
CPM	Colorado		10.7	8.29	874	23.3	117	236	1.05	0.067
	River	1	(0.2)	(0.15)	(230)	(1.2)	(16)	(37)	(0.25)	(0.015)
			N=7	N=7	N=7	N=9	N=2	N=2	N=5	N=5
CPM	Colorado		10.7	8.33	780	23.4	120	242	3.07	0.189
	River	2	(0.2)	(0.05)	(49)	(1.3)	(14)	(28)	(0.37)	(0.032)
			N=7	N=7	N=7	N=9	N=2	N=2	N=6	N=6
CPM	Colorado		10.6	8.30	819	23.3	132	271	5.74	0.325
	River	4	(0.1)	(0.05)	(5)	(1.4)	(3)	(1)	(0.70)	(0.049)
			N=7	N=7	N=7	N=9	N=2	N=2	N=6	N=6
CPM	Colorado		10.6	8.25	859	23.3	131	271	7.96	0.403
	River	8	(0.2)	(0.06)	(4)	(1.3)	(1)	(4)	(0.75)	(0.073)
			N=7	N=7	N=7	N=9	N=2	N=2	N=6	N=6
CPM	Colorado		10.6	8.17	936	23.4	129	266	14.3	0.609
	River	16	(0.2)	(0.04)	(6)	(1.2)	(1)	(3)	(2.9)	(0.138)
			N=7	N=7	N=7	N=9	N=2	N=2	N=6	N=6
CPM	Colorado		10.5	8.07	1094	23.4	151	266	31.1	1.06
	River	32	(0.2)	(0.05)	(11)	(1.4)	(33)	(6)	(2.2)	(0.14)
			N=7	N=7	N=7	N=9	N=2	N=2	N=6	N=6
CPM	Colorado		10.7	7.88	1411	22.2	128	268	78.3	1.87
	River	64	(-) N=1	(-) N=1	(-) N=1	(-) N=1	(-) N=1	(-) N=1	(-) N=1	(-) N=1

CPM = Colorado pikeminnow (*Ptychocheilus lucius*).

FHM = fathead minnow (*Pimephales promelas*)

**Appendix 25**. Water quality summary from July 1998 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Species	Water Type	Nominal Conc. (mg/L)	DO (mg/L)	рН	Cond (µmhos/cm)	Temp (°C)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)
CPM	Well		9.23	8.01	642	23.3	241	240	0	0
		0	(0.81)	(0.06)	(7)	(1.4)	(16)	(54)	(0)	(0)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
CPM	Well		9.39	8.02	646	23.8	244	245	0.115	0.004
		0.5	(0.93)	(0.07)	(4)	(1.3)	(20)	(62)	(0.248)	(0.009)
			N=7	N=7	N=7	N=6	N=2	N=2	N=6	N=6
CPM	Well		9.43	8.02	663	23.4	242	242	2.54	0.082
		1	(0.98)	(0.07)	(33)	(1.3)	(17)	(57)	(3.65)	(0.103)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
CPM	Well		9.40	8.02	681	23.4	242	243	7.52	0.234
		2	(0.93)	(0.06)	(68)	(1.4)	(17)	(59)	(10.90)	(0.296)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
CPM	Well		9.43	8.01	716	24.0	252	254	13.5	0.379
		4	(0.96)	(0.05)	(135)	(1.3)	(31)	(74)	(19.5)	(0.432)
			N=7	N=7	N=7	N=6	N=2	N=2	N=6	N=6
CPM	Well		9.46	8.01	789	23.5	242	243	19.9	0.500
		8	(1.02)	(0.06)	(276)	(1.4)	(17)	(59)	(29.8)	(0.536)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
CPM	Well		9.54	7.98	933	23.7	226	227	15.5	0.557
		16	(1.12)	(0.07)	(560)	(1.3)	(6)	(36)	(0.9)	(0.039)
			N=7	N=7	N=7	N=7	N=2	N=2	N=5	N=5
CPM	Well		9.95	7.97	959	22.5	256	284	34.6	0.956
		32	(0.07)	(0.04)	(8)	(-)	(-)	(-)	(-)	(-)
			N=2	N=2	N=2	N=1	N=1	N=1	N=1	N=1
CPM	Well		9.95	7.90	1273	22.4	260	288	82.4	1.97
		64	(0.07)	(0.03)	(4)	(-)	(-)	(-)	(-)	(-)
			N=2	N=2	N=2	N=1	N=1	N=1	N=1	N=1

CPM = Colorado pikeminnow (*Ptychocheilus lucius*).

FHM = fathead minnow (*Pimephales promelas*)

**Appendix 25**. Water quality summary from July 1998 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Species	Water Type	Nominal Conc. (mg/L)	DO (mg/L)	pН	Cond (µmhos/cm)	Temp (°C)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)
FHM	Well		10.1	8.09	637	23.2	202	240	0	0
		0	(0.6)	(0.09)	(5)	(1.3)	(71)	(54)	(0)	(0)
			N=7	n=7	N=7	N=8	N=2	N=2	N=7	N=7
FHM	Well		10.2	8.12	645	23.3	237	234	0.111	0.004
		0.5	(0.5)	(0.08)	(4)	(1.3)	(30)	(77)	(0.247)	(0.009)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
FHM	Well		10.3	8.11	664	23.4	212	239	2.54	0.085
		1	(0.5)	(0.08)	(33)	(1.2)	(59)	(62)	(3.64)	(0.102)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
FHM	Well		10.2	8.12	687	23.4	252	237	7.52	0.246
		2	(0.5)	(0.07)	(65)	(1.3)	(4)	(66)	(10.90)	(0.291)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
FHM	Well		10.3	8.11	731	23.4	262	295	13.5	0.397
		4	(0.5)	(0.08)	(128)	(1.3)	(17)	(16)	(19.5)	(0.425)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
FHM	Well		10.4	8.10	820	23.4	275	310	19.9	0.524
		8	(0.6)	(0.09)	(259)	(1.2)	(29)	(36)	(29.8)	(0.526)
			N=7	N=7	N=7	N=8	N=2	N=2	N=6	N=6
FHM	Well		10.4	8.08	996	23.4	225	213	15.6	0.637
		16	(0.6)	(0.13)	(526)	(1.2)	(4)	(55)	(1.0)	(0.136)
			N=7	N=7	N=7	N=8	N=2	N=2	N=4	N=4
FHM	Well		9.95	7.97	959	22.6	256	284	34.6	0.956
		32	(0.07)	(0.04)	(8)	(-)	(-)	(-)	(-)	(-)
			N=2	N=2	N=2	N=1	N=1	N=1	N=1	N=1
FHM	Well		9.95	7.90	1273	22.5	260	288	82.4	1.97
		64	(0.07)	(0.03)	(4)	(-)	(-)	(-)	(-)	(-)
			N=2	N=2	N=2	N=1	N=1	N=1	N=1	N=1

CPM = Colorado pikeminnow (*Ptychocheilus lucius*).

FHM = fathead minnow (*Pimephales promelas*)

**Appendix 26**. Water quality summary from August 1998 on-site acute toxicity test, Moab, UT. Numbers represent mean, standard deviation (in parenthesis), and initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Site	Water Type	Percent of Site Water	DO (mg/L)	рН	Cond (µmhos/cm)	Temp ( <sup>0</sup> C)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)
			7.68	8.44	1118	24.5	0.438	0.053
CHW	Pore Water	100	(1.15)	(0.10)	(87)	(0.5)	(0.098)	(0.011)
			N=5	N=5	N=5	N=7	N=5	N=4
			8.48	8.45	1085	24.4	0.017	0.001
CHW	Surface	100	(1.22)	(0.16)	(129)	(0.6)	(0.039)	(0.003)
			N=5	N=5	N=5	N=7	N=5	N=5
			8.22	8.21	1555	24.5	21.4	1.34
D1	Surface	100	(0.86)	(0.12)	(174)	(0.5)	(1.8)	(0.79)
			N=5	N=6	N=5	N=7	N=5	N=5
			8.68	8.31	1260	24.5	8.06	2.40
D2	Surface	100	(1.24)	(0.07)	(134)	(0.6)	(0.98)	(3.95)
			N=5	N=5	N=5	N=7	N=5	N=5
			8.52	8.45	1020	24.3	0	0
Hwy 191	Surface	100	(1.55)	(0.17)	(115)	(0.2)	(0)	(0)
			N=5	N=5	N=5	N=7	N=5	N=5
				7.93		24.5	497	20.2
MW	Pore Water	100	-	(0.03)	-	(0.8)	(427)	(18.4)
				N=2		N=4	N=2	N=2
			7.67	8.15	2150	24.4	18.4	1.11
MW	Pore Water	6.25	(0.84)	(0.11)	(354)	(0.5)	(13.4)	(0.83)
			N=3	N=3	N=2	N=7	N=3	N=3
			8.42	8.42	1262	24.5	7.62	2.45
MW	Surface	100	(1.09)	(0.15)	(178)	(0.5)	(0.88)	(3.64)
			N=5	N=5	N=5	N=7	N=5	N=5
			6.96	8.44	600	24.4	0.076	0.006
Well	Well	100	(0.25)	(0.15)	(203)	(0.3)	(0.169)	(0.014)
			N=5	N=5	N=5	N=6	N=5	N=5

CHW=courthouse wash.

MW=Moab wash.

D1=50 m downstream of Moab wash.

D2=100 m downstream of Moab wash.

**Appendix 27**. Water quality summary from April 1999 laboratory chronic toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and number of initial water quality observations. Note: Numbers of water quality observations at

higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Conc. (mg/L)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	рН	Cond (µmhos/cm)	Temp (°C)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )
0	0.022	0.001	9.44	8.02	575	17.6	247	268
	(0.031)	(0.001)	(0.63)	(0.20)	(73)	(2.1)	(8)	(21)
	N=14	N=14	N=31	N=16	N=15	N=32	N=10	N=10
2.5	2.31	0.103	9.70	8.08	585	17.2	246	254
	(0.69)	(0.055)	(0.78)	(0.19)	(75)	(2.2)	(7)	(29)
	N=15	N=14	N=31	N=16	N=15	N=32	N=10	N=10
5	4.90	0.232	9.75	8.10	621	17.2	248	266
	(0.32)	(0.105)	(0.79)	(0.17)	(75)	(2.4)	(4)	(17)
	N=14	N=13	N=31	N=16	N=15	N=32	N=10	N=10
10	9.59	0.404	9.70	8.06	665	17.2	249	271
	(0.41)	(0.168)	(0.74)	(0.16)	(81)	(2.4)	(4)	(14)
	N=14	N=13	N=31	N=16	N=15	N=32	N=10	N=10
15	14.4	0.626	9.79	8.07	712	17.1	247	272
	(0.8)	(0.220)	(0.75)	(0.13)	(88)	(2.3)	(5)	(15)
	N=14	N=11	N=31	N=14	N=15	N=32	N=10	N=10

**Appendix 28**. Water quality summary from July 1999 laboratory chronic toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parentheses), and number of initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Conc. (mg/L)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	pН	Cond (µmhos/cm)	Temp (°C)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )
0	0.182	0.012	9.96	8.21	620	20.5	246	324
	(0.126)	(0.010)	(0.79)	(0.14)	(23)	(0.5)	(12)	(204)
	N=20	N=17	N=36	N=21	N=20	N=28	N=13	N=13
2.5	2.65	0.164	10.2	8.21	647	20.5	245	274
	(0.36)	(0.067)	(0.8)	(0.13)	(20)	(0.5)	(13)	(13)
	N=20	N=18	N=36	N=22	N=20	N=28	N=13	N=12
5	5.08	0.308	10.1	8.20	683	20.5	245	270
	(0.38)	(0.112)	(0.8)	(0.12)	(76)	(0.5)	(12)	(15)
	N=20	N=18	N=36	N=22	N=21	N=28	N=13	N=12
10	9.45	0.569	10.1	8.20	719	20.5	246	277
	(0.33)	(0.201)	(0.8)	(0.13)	(26)	(0.5)	(11)	(13)
	N=20	N=18	N=36	N=22	N=20	N=28	N=13	N=12
15	15.5	0.939	10.1	8.22	767	20.5	244	276
	(1.3)	(0.326)	(0.8)	(0.13)	(22)	(0.5)	(12)	(13)
	N=20	N=18	N=36	N=22	N=20	N=28	N=13	N=12

**Appendix 29**. Water quality summary from October 1999 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviations (in parenthesis), and number of initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Temp (°C)	Nominal Conc. (mg/L)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	рН	Measured Temp (°C)	Cond (µmhos/cm)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )
8	(g/ 2)	0.155	0.011	9.57	8.36	1 timp ( c)	536	236	254
	0	(0.041)	(0.002)	(0.35)	(0.03)	8.00	(39)	(-)	(-)
	Ů	N=4	N=4	N=4	N=4	0.00	N=4	N=1	N=1
8		7.35	0.659	9.69	8.54		613	216	230
	7.5	(0.17)	(0.259)	(0.29)	(0.51)	8.00	(21)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
8		14.5	1.55	9.66	8.25		676	169	203
	15	(0.1)	(0.06)	(0.29)	(0.02)	8.00	(32)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
8		28.9	2.63	9.23	8.15		817	187	222
	30	(-)	(-)	(-)	(0.03)	8.00	(-)	(-)	(-)
		N=2	N=1	N=1	N=2		N=1	N=1	N=1
18		0.16	0.017	9.11	8.26		540	219	251
	0	(0.04)	(0.006)	(0.36)	(0.07)	17.9	(24)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
18		7.27	0.596	9.14	8.24		608	206	237
	7.5	(0.14)	(0.337)	(0.32)	(0.04)	17.9	(17)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
18		14.6	0.331	9.10	8.22		683	168	203
	15	(0.2)	(0.103)	(0.36)	(0.03)	17.9	(34)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
18		28.5	0.532	9.13	8.13		847	205	243
	30	(0.2)	(0.159)	(0.33)	(0.03)	17.9	(31)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
28		0.14	0.003	8.20	8.20		542	214	247
	0	(0.02)	(0.001)	(0.39)	(0.11)	27.5	(22)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
28		7.12	0.263	8.26	8.20		606	201	240
	7.5	(0.19)	(0.172)	(0.24)	(0.06)	27.5	(12)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
28		14.5	0.621	8.15	8.19		673	168	200
	15	(0.4)	(0.335)	(0.36)	(0.08)	27.5	(34)	(-)	(-)
		N=4	N=4	N=4	N=4		N=4	N=1	N=1
28		27.9	1.20	8.20	8.11		815	172	211
	30	(0.7)	(0.25)	(0.39)	(0.09)	27.5	(37)	(-)	(-)
		N=3	N=3	N=3	N=3		N=3	N=1	N=1

**Appendix 30**. Water quality summary from November 1999 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and number of initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal		Nominal	Measured Total	Measured Unionized				Measured	Alk	Hard
Temp	Nominal	Conc.	Ammonia (mg/L as	Ammonia (mg/L as	DO	Measured	Cond	Temp	(mg/L	(mg/L
(°C)	pН	(mg/L)	N)	N)	(mg/L)	pН	(µmhos/cm)	(°C)	CaCO <sub>3</sub> )	CaCO <sub>3</sub> )
8	8		0.233	0.008	8.23	8.03	580	10.1	225	226
		0	(0.055)	(0.003)	(0.13)	(0.12)	(32)	(0.2)	(8)	(40)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=2
8	8		8.24	0.301	8.28	8.06	648	10.0		
		7.5	(0.34)	(0.097)	(0.20)	(0.11)	(39)	(0.7)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	8		15.3	0.502	8.28	8.04	722	9.8		
		15	(1.1)	(0.152)	(0.23)	(0.08)	(52)	(0.5)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	8		26.0	0.765	8.33	8.01	858	9.8	229	185
		30	(2.4)	(0.172)	(0.23)	(0.05)	(60)	(0.2)	(1)	(75)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
8	8.5		0.210	0.016	8.44	8.52	565	9.7		
		0	(0.020)	(0.003)	(0.12)	(0.16)	(11)	(0.5)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	8.5		8.43	0.609	8.46	8.47	628	10.4		
		7.5	(0.65)	(0.146)	(0.15)	(0.16)	(19)	(0.5)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	8.5		14.6	0.964	8.44	8.45	704	10.4	228	183
		15	(0.7)	(0.210)	(0.06)	(0.16)	(10)	(0.7)	(0)	(73)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
8	8.5		27.3	1.45	8.38	8.31	845	10.4		
		30	(2.6)	(0.68)	(0.18)	(0.32)	(13)	(1.0)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	9		0.210	0.077	7.81	9.30	572	10.6		
		0	(0.020)	(0.010)	(0.16)	(0.05)	(32)	(0.5)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	9		7.74	2.36	7.86	9.22	642	10.0	227	184
		7.5	(0.22)	(0.16)	(0.14)	(0.07)	(43)	(0.5)	(1)	(73)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3

**Appendix 30**. Water quality summary from November 1999 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and number of initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal		Nominal	Measured Total	Measured Unionized				Measured	Alk	Hard
Temp	Nominal	Conc.	Ammonia (mg/L as	Ammonia (mg/L as	DO	Measured	Cond	Temp	(mg/L	(mg/L
(°C)	pН	(mg/L)	N)	N)	(mg/L)	pН	(µmhos/cm)	(°C)	CaCO <sub>3</sub> )	CaCO <sub>3</sub> )
8	9	, ,	14.0	3.57	7.86	9.13	706	10.2		-,
		15	(0.9)	(0.19)	(0.16)	(0.09)	(50)	(0.9)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
8	9		25.1	4.97	7.79	9.00	843	9.8		
		30	(0.8)	(1.12)	(0.15)	(0.11)	(52)	(0.5)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
18	8		0.593	0.023	8.02	8.00	608	18.2	228	176
		0	(0.759)	(0.031)	(0.15)	(0.06)	(3)	(0.1)	(2)	(102)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=2
18	8		7.79	0.263	8.08	7.97	681	18.1		
		7.5	(0.14)	(0.023)	(0.09)	(0.05)	(5)	(0.2)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
18	8		14.1	0.470	8.05	7.94	752	18.0		
		15	(0.9)	(0.059)	(0.08)	(0.04)	(3)	(0.2)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
18	8		25.5	0.640	8.06	7.83	894	18.2	228	184
		30	(2.5)	(0.053)	(0.06)	(0.05)	(6)	(0.1)	(3)	(75)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
18	8.5		0.233	0.014	8.31	8.40	563	18.1		
		0	(0.035)	(0.000)	(0.02)	(0.21)	(9)	(0.2)	-	-
			N=4	N=3	N=6	N=6	N=6	N=6		
18	8.5		7.94	0.445	8.37	8.30	631	17.9		
		7.5	(0.33)	(0.272)	(0.03)	(0.27)	(7)	(0.1)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
18	8.5		13.8	0.736	8.38	8.28	699	17.9	229	184
		15	(1.2)	(0.520)	(0.06)	(0.29)	(7)	(0.2)	(2)	(71)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
18	8.5		26.3	1.25	8.35	8.21	839	17.9		
		30	(1.2)	(0.90)	(0.02)	(0.30)	(7)	(0.2)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		

**Appendix 30**. Water quality summary from November 1999 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and number of initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal		Nominal	Measured Total	Measured Unionized				Measured	Alk	Hard
Temp	Nominal	Conc.	Ammonia (mg/L as	Ammonia (mg/L as	DO	Measured	Cond	Temp	(mg/L	(mg/L
(°C)	pН	(mg/L)	N)	N)	(mg/L)	pН	(µmhos/cm)	(°C)	CaCO <sub>3</sub> )	CaCO <sub>3</sub> )
18	9		0.233	0.078	7.64	9.23	564	18.0		
		0	(0.035)	(0.005)	(0.21)	(0.19)	(22)	(0.2)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
18	9		7.57	1.77	7.65	9.03	619	18.0	227	185
		7.5	(0.20)	(0.915)	(0.16)	(0.31)	(24)	(0.4)	(1)	(73)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
18	9		13.9	2.84	7.60	8.91	672	17.9		
		15	(0.5)	(1.40)	(0.20)	(0.27)	(20)	(0.1)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
18	9		26.6	4.14	7.58	8.82	803	17.8		
		30	(2.3)	(2.56)	(0.24)	(0.33)	(22)	(0.1)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	8		0.220	0.012	7.72	7.88	603	30.3	225	177
		0	(0.029)	(0.002)	(0.08)	(0.02)	(8)	(4.1)	(9)	(65)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
28	8		7.83	1.00	7.62	8.03	675	29.7		
		7.5	(0.13)	(1.07)	(0.12)	(0.34)	(9)	(1.3)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	8		14.8	0.811	7.62	7.87	746	29.7		
		15	(0.7)	(0.050)	(0.14)	(0.05)	(7)	(0.9)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	8		29.3	1.32	7.51	7.77	883	30.4	223	179
		30	(1.4)	(0.23)	(0.22)	(0.13)	(6)	(1.1)	(8)	(65)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
28	8.5		0.218	0.019	8.15	8.26	557	26.4		
		0	(0.025)	(0.004)	(0.22)	(0.18)	(5)	(0.3)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	8.5		7.80	0.629	8.11	8.19	625	26.7		
		7.5	(0.16)	(0.402)	(0.22)	(0.26)	(2)	(0.5)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		

**Appendix 30**. Water quality summary from November 1999 laboratory acute toxicity test, Columbia, MO. Numbers represent mean, standard deviation (in parenthesis), and number of initial water quality observations. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal		Nominal	Measured Total	Measured Unionized				Measured	Alk	Hard
Temp	Nominal	Conc.	Ammonia (mg/L as	Ammonia (mg/L as	DO	Measured	Cond	Temp	(mg/L	(mg/L
(°C)	pН	(mg/L)	N)	N)	(mg/L)	pН	(µmhos/cm)	(°C)	CaCO <sub>3</sub> )	CaCO <sub>3</sub> )
28	8.5		14.1	1.00	8.11	8.13	697	26.6	226	181
		15	(0.1)	(0.75)	(0.23)	(0.27)	(5)	(0.3)	(7)	(69)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
28	8.5		29.9	1.62	8.08	8.03	840	26.9		
		30	(1.8)	(0.91)	(0.25)	(0.29)	(9)	(0.3)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	9		0.215	0.087	7.54	9.14	571	26.3		
		0	(0.024)	(0.012)	(0.05)	(0.21)	(25)	(0.7)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	9		6.94	2.22	7.52	8.95	618	26.4	227	183
		7.5	(0.35)	(1.19)	(0.01)	(0.29)	(25)	(0.3)	(2)	(71)
			N=4	N=4	N=6	N=6	N=6	N=6	N=3	N=3
28	9		14.5	3.60	7.51	8.82	672	26.2		
		15	(1.0)	(1.47)	(0.03)	(0.28)	(22)	(0.6)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		
28	9		28.1	5.11	7.49	8.64	797	26.5		
		30	(2.0)	(2.79)	(0.03)	(0.32)	(17)	(0.4)	-	-
			N=4	N=4	N=6	N=6	N=6	N=6		

**Appendix 31**. Water quality summary from December 1999 laboratory acute toxicity test, Columbia, MO. Standard deviations are in parenthesis. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Temp (°C)	Nominal pH	Nominal Conc. (mg/L)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	Measured pH	Cond (µmhos/cm)	Measured Temp (°C)
8	8		0.070	0.001		7.91		9.60
		0	(0.000)	(0.000)	-	(0.01)	-	(0)
			N=2	N=2		N=2		N=2
8	8		1.57	0.030		8.03		9.60
		2	(0.53)	(0.011)	-	(0.01)	-	(0.00)
			N=2	N=2		N=2		N=2
8	8		3.71	0.073		8.05		9.60
		4	(0.02)	(0.002)	-	(0.01)	-	(0.00)
			N=2	N=2		N=2		N=2
8	8.5		0.070	0.007		8.72		9.50
		0	(0.000)	(0.004)	-	(0.35)	-	(0.00)
			N=2	N=2		N=2		N=2
8	8.5		1.72	0.112		8.59		9.50
		2	(0.02)	(0.005)	-	(0.01)	-	(0.00)
			N=2	N=2		N=2		N=2
8	8.5		3.77	0.259		8.62		9.50
		4	(0.59)	(0.036)	-	(0.01)	-	(0.00)
			N=2	N=2		N=2		N=2
8	9		0.070	0.012		9.05		9.60
		0	(0.000)	(0.000)	-	(0.01)	-	(0.00)
			N=2	N=2		N=2		N=2
8	9		2.00	0.345		9.07		9.60
		2	(0.32)	(0.051)	-	(0.01)	-	(0.00)
			N=2	N=2		N=2		N=2
8	9		4.28	0.734		9.06		9.60
		4	(0.02)	(0.004)	-	(0.00)	-	(0.00)
			N=2	N=2		N=2		N=2
18	8		0.140	0.005		8.01		18.6
		0	(0.099)	(0.003)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2

**Appendix 31**. Water quality summary from December 1999 laboratory acute toxicity test, Columbia, MO. Standard deviations are in parenthesis. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Temp (°C)	Nominal pH	Nominal Conc. (mg/L)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	Measured pH	Cond (µmhos/cm)	Measured Temp (°C)
18	8		2.38	0.083		8.01		18.6
		2	(0.10)	(0.002)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
18	8		4.59	0.159		8.00		18.6
		4	(0.01)	(0.005)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
18	8.5		0.060	0.007		8.57		18.7
		0	(0.000)	(0.000)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
18	8.5		2.22	0.252		8.55		18.7
		2	(0.01)	(0.001)	-	(0.00)	-	(0.0)
			N=2	N=2		N=2		N=2
18	8.5		4.45	0.480		8.53		18.7
		4	(0.06)	(0.013)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
18	9		0.060	0.014		8.92		18.7
		0	(0.000)	(0.000)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
18	9		2.02	0.450		8.90		18.7
		2	(0.03)	(0.006)	-	(0.00)	-	(0.0)
			N=2	N=2		N=2		N=2
18	9		4.27	0.926		8.89		18.7
		4	(0.01)	(0.015)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
28	8		0.085	0.005		7.97		27.1
		0	(0.035)	(0.002)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
28	8		2.24	0.126		7.96		27.1
		2	(0.11)	(0.004)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2

**Appendix 31**. Water quality summary from December 1999 laboratory acute toxicity test, Columbia, MO. Standard deviations are in parenthesis. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Temp (°C)	Nominal pH	Nominal Conc. (mg/L)	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	Measured pH	Cond (µmhos/cm)	Measured Temp (°C)
28	8	(IIIg/L)			(IIIg/L)	7.94	(µmnos/cm)	27.1
28	o	4	4.50	0.242				
		4	(0.02)	(0.003)	-	(0.01)	-	(0.0)
20	0.5		N=2	N=2		N=2		N=2
28	8.5		0.060	0.011		8.51		27.5
		0	(0.000)	(0.000)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
28	8.5		2.00	0.333		8.47		27.5
		2	(0.03)	(0.005)	-	(0.00)	-	(0.0)
			N=2	N=2		N=2		N=2
28	8.5		4.34	0.676		8.44		27.5
		4	(0.08)	(0.023)	-	(0.01)	-	(0.0)
			N=2	N=2		N=2		N=2
28	9		0.060	0.019		8.81		27.9
		0	(0.000)	(0.000)	-	(0.00)	-	(0.0)
			N=2	N=2		N=2		N=2
28	9		1.83	0.540		8.78		27.9
		2	(0.02)	(0.006)	-	(0.00)	-	(0.0)
			N=2	N=2		N=2		N=2
28	9		4.14	1.17		8.76		27.9
	-	4	(0.02)	(0.02)	_	(0.01)	_	(0.0)
			N=2	N=2		N=2		N=2

**Appendix 32**. Water quality summary from February 2000 on-site acute toxicity, Moab, UT. Standard deviations are in parenthesis. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal Temp (°C)	Percent Dilution	Measured Total Ammonia (mg/L as N)	Measured Unionized Ammonia (mg/L as N)	DO (mg/L)	рН	Cond (µmhos/cm)	Measured Temp (°C)	Alk (mg/L CaCO <sub>3</sub> )	Hard (mg/L CaCO <sub>3</sub> )
8		0.218	0.005	8.85	8.18	677	8.53	238	274
	0	(0.075)	(0.003)	(0.19)	(0.05)	(4)	(1.07)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
8		21.7	0.705	9.25	8.31	2010	8.00	166	386
	32	(5.0)	(0.115)	(0.13)	(0.07)	(28)	(0.83)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
8		24.9	0.780	9.45	8.31	2260	8.00	172	424
	42	(2.5)	(0.111)	(0.50)	(0.07)	(29)	(0.69)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
8		27.5	0.930	9.50	8.30	2585	7.95	172	434
	56	(8.4)	(0.124)	(0.48)	(0.07)	(7)	(0.41)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
8		37.0	1.12	9.93	8.27	2790	8.18	180	458
	75	(1.2)	(0.23)	(0.46)	(0.05)	(71)	(0.80)	(-)	(-)
		N=4	N=3	N=4	N=4	N=2	N=4	N=1	N=1
8		50.5	1.42	10.1	8.23	3290	8.08	182	504
	100	(2.1)	(0.25)	(0.2)	(0.05)	(14)	(0.72)	(-)	(-)
		N=5	N=3	N=4	N=4	N=2	N=4	N=1	N=1
8	HWY 191	0.152	0.005	9.15	8.33	1214	8.15	156	320
	(100 %)	(0.016)	(0.001)	(0.33)	(0.13)	(25)	(0.83)	(-)	(-)
	(100 /0)	N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
25		0.166	0.008	7.28	7.95	624	24.5	258	290
	0	(0.005)	(0.001)	(0.38)	(0.10)	(11)	(0.8)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
25		14.6	0.883	8.03	8.08	1940	24.9	166	396
	32	(7.9)	(0.577)	(0.26)	(0.06)	(14)	(0.3)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
25		22.3	1.29	8.10	8.04	2160	25.0	166	410
	42	(1.9)	(0.18)	(0.24)	(0.07)	(0)	(0.1)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1

**Appendix 32**. Water quality summary from February 2000 on-site acute toxicity, Moab, UT. Standard deviations are in parenthesis. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total mortality early in study.

Nominal	D.	Measured Total	Measured Unionized	D.O.		Cond	Magging	Alk	Hard
Nominal Temp (°C)	Percent Dilution	Ammonia (mg/L as N)	Ammonia (mg/L as N)	DO (mg/L)	pН	Cond (µmhos/cm)	Measured Temp (°C)	(mg/L CaCO <sub>3</sub> )	(mg/L CaCO <sub>3</sub> )
25	Dilution		1.47	8.18	8.01	2410	24.9	174	448
23		24.8							_
	56	(5.3)	(0.22)	(0.19)	(0.08)	(14)	(0.2)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
25		40.3	2.06	8.80	7.97	2710	25.1	180	472
	75	(5.2)	(0.51)	(0.43)	(0.06)	(28)	(0.1)	(-)	(-)
		N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1
25		53.3	2.55	8.85	7.93	3175	24.9	184	520
	100	(6.3)	(0.58)	(0.72)	(0.06)	(7)	(0.1)	(-)	(-)
		N=6	N=4	N=4	N=4	N=2	N=4	N=1	N=1
25	HWY 191	9.78	0.104	7.60	8.12	1173	24.8	158	324
		(18.86)	(0.187)	(0.29)	(0.15)	(16)	(0.3)	(-)	(-)
	(100 %)	N=5	N=4	N=4	N=4	N=2	N=4	N=1	N=1

**Appendix 33**. Water quality summary from February 2000 in-situ toxicity tests, Moab, UT. Test conducted with juvenile fathead minnows.

Site	Location of Cages	Measured Total Ammonia (mg/L as N)	Measured Unionzed Ammonia (mg/L as N)	DO (mg/L) pH	Cond (µmhos/cm)	Temp (°C)
D2	bottom	704.11	5.92	8.37 7.5	21700	10.75
		(0)	(1.11)	(1.41) $(0.14)$	(424)	(3.39)
		n=2	n=2	n=2 n=2	n=2	n=2
D4a	bottom	12.89	0.15	8.135 7.56	24500	9.71
		(0)	(0.02)	(0.45) (0.21)	(3818)	(3.08)
		n=2	n=2	n=2 n=2	n=2	n=2
D4b	bottom	1186.46	4.74	8.30 7.46	29350	10.02
		(0)	(0.22)	(1.89) $(0.34)$	(19587)	(2.88)
		n=2	n=2	n=2 n=2	n=2	n=2
D4c	bottom	1280.58	3.49	5.25 6.98	44800	6.98
		(225.95)	(0.13)	$(0) \qquad (0)$	(0)	(0)
		n=3	n=3	n=1 n=1	n=1	n=1
D4c	surface	779.21	2.55	7.30 7.49	21695	10.29
		(642.45)	(1.58)	(1.39) $(0.59)$	(26877)	(3.1)
		n=3	n=3	n=2 n=2	n=2	n=2
D6a	bottom	1231.35	2.50	7.74 7.36	20977	12.30
		(0)	(0.16)	(2.22) $(0.30)$		(3.00)
		n=2	n=4	n=4 n=4	n=4	n=4
D6a	surface	830.65	1.48	8.44 7.68	14551	10.91
		(694.03)	(0.91)	(1.83) $(0.47)$		(2.70)
		n=3	n=3	n=7 n=7	n=7	n=7
D6b	bottom	211.72	1.66	9.72 7.95	5028	9.30
		(325.46)	(2.20)	(1.42) $(0.17)$		(1.81)
		n=7	n=7	n=6 n=6	n=6	n=6
D6c	bottom	1180.28	10.21	8.86 7.58	13490	10.95
		(221.78)	(10.99)	(2.25) $(0.47)$		(2.57)
		n=5	n=5	n=5 n-5	n=5	n=5
D6c	surface	27.22	0.67	9.40 8.12	1968	10.36
		(4.96)	(0.37)	(1.18) $(0.22)$		(1.94)
		n=6	n=7	n=5 n=5	n=5	n=5
D6d	bottom	78.36	1.57	9.78 8.12	2021	9.28
		(79.42)	(2.35)	(1.15) $(0.23)$	* *	(1.43)
		n=6	n=6	n=6 n=6	n=6	n=6
D6e	bottom	34.93	0.72	9.75 8.04	5300	9.95
		(33.40)	(0.75)	(1.09) $(0.17)$		(1.60)
		n=6	n=6	n=6 n=6	n=6	n=6
E4	bottom	0.17	0	10.36 8.31	1188	7.53
		(0.03)	(0)	(0.69) (0.21)		(1.04)
		n=6	n=6	n=8 n=8	n=8	n=8
UX	bottom	0.18	0	9.40 8.27	1110	7.53
		(0.06)	(0)	(1.23) $(0.31)$	` /	(2.20)
		n=6	n=6	n=5 n=5	n=5	n=5

**Appendix 34**. Water quality summary from August 2000 on-site acute toxicity test, Moab, UT. Standard deviations are in parenthesis. Note: Numbers of water quality observations at higher ammonia concentrations were often reduced due to total

mortality early in study.

	Nominal Conc.	Measured Total Ammonia	Measured Unionized Ammonia	DO	Measured	Cond		Alk (mg/L	Hard (mg/L
Water Type	(mg/L)	(mg/L as N)	(mg/L as N)	(mg/L)	рН	(µmhos/cm)	Temp (°C)	CaCO <sub>3</sub> )	CaCO <sub>3</sub> )
Colorado	( 8 )	0.073	0.005	7.93	8.28	978	23.6	130	388
River	0	(0.021)	(0.002)	(0.50)	(0.11)	(124)	(1.1)	(3)	(6)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Colorado		9.63	0.589	8.04	8.19	1348	23.7	135	444
River	7.3	(1.13)	(0.240)	(0.55)	(0.08)	(166)	(1.0)	(7)	(0)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Colorado		15.1	0.807	8.06	8.14	1545	23.6	145	468
River	14.6	(1.2)	(0.338)	(0.41)	(0.08)	(169)	(1.0)	(4)	(23)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Colorado		30.5	1.23	8.13	8.03	2132	23.7	163	571
River	29.3	(1.2)	(0.45)	(0.33)	(0.08)	(234)	(0.9)	(1)	(10)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Colorado		65.1	1.99	8.83	7.97	3075	23.3	196	768
River	58.5	(1.6)	(1.09)	(0.11)	(0.07)	(318)	(0.8)	(-)	(-)
		N=2	N=2	N=2	N=2	N=2	N=3	N=1	N=1
Well		0.365	0.013	8.60	7.93	580	23.6	263	310
	0	(0.677)	(0.024)	(0.31)	(0.08)	(45)	(1.0)	(1)	(0)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Well		7.58	0.263	8.61	7.93	643	23.6	261	311
	7.3	(0.21)	(0.022)	(0.30)	(0.04)	(50)	(1.0)	(1)	(1)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Well		15.3	0.502	8.66	7.91	529	23.6	261	296
	14.6	(0.2)	(0.043)	(0.35)	(0.05)	(348)	(1.0)	(2)	(23)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Well		30.3	0.902	8.68	7.86	848	23.7	260	311
	29.3	(0.4)	(0.124)	(0.35)	(0.05)	(52)	(1.1)	(0)	(1)
		N=4	N=4	N=4	N=4	N=4	N=5	N=2	N=2
Well		61.0	1.68	8.66	7.81	1100	23.7	260	310
	58.5	(0.6)	(0.12)	(0.17)	(0.01)	(14)	(-)	(-)	(-)
		N=2	N=2	N=2	N=2	N=2	N=2	N=1	N=1