

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES  
472120116451000 CHATCOLET LK 0.4 MI NW OF ROCKY PT NEAR PLUMMER, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
23...	1100	2.0	26	7.62	1.79	--	--	--	--	--	--	--	.084
23...	1115	8.0	26	7.54	1.74	--	--	--	--	--	--	--	.088
DEC													
01...	0945	2.0	26	7.47	1.74	--	--	--	--	--	--	--	<.010
01...	0955	8.0	27	7.77	1.86	--	--	--	--	--	--	--	.011
APR													
13...	0915	2.0	16	4.85	1.06	.58	1.25	19	.40	<.2	10.3	.8	<.010
13...	0945	9.0	16	4.76	1.04	.58	1.18	19	.45	<.2	10.4	.8	.017
MAY													
19...	0930	2.0	15	4.50	1.00	.52	1.04	19	.23	<.2	7.8	.8	<.010
19...	1000	9.0	15	4.43	.993	.46	1.02	19	.23	<.2	7.8	.8	<.010
JUN													
23...	0900	2.0	18	5.16	1.19	.55	1.21	22	.32	<.2	9.1	.9	<.010
23...	0915	9.0	17	4.93	1.15	.63	1.20	21	.37	<.2	9.4	.6	<.010
JUL													
21...	1030	2.0	21	6.13	1.33	.61	1.29	23	<1.00	<.2	8.1	E.9	.010
21...	1045	9.0	20	5.86	1.25	.65	1.20	22	.54	<.2	9.6	.8	.019
AUG													
24...	0930	2.0	23	6.72	1.41	--	--	--	--	--	--	--	<.010
24...	1000	9.0	26	7.76	1.49	--	--	--	--	--	--	--	.249
30...	1245	10.0	25	7.55	1.55	--	--	--	--	--	--	--	.174

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Ortho phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)
OCT													
23...	E.014	--	<.006	.025	.29	--	--	--	--	2.5	5.6	--	<.04
23...	E.014	--	<.006	.033	.42	--	--	--	--	--	--	<2	<.04
DEC													
01...	<.016	--	<.006	.020	.30	--	--	--	--	--	--	--	<.04
01...	E.009	--	<.006	.024	.47	--	--	--	--	5.5	17.9	<2	<.04
APR													
13...	<.016	--	<.006	.010	.07	--	--	--	--	.3	.5	--	<.04
13...	E.011	--	E.003	.015	.10	--	--	--	1.5	--	--	<2	<.04
MAY													
19...	<.016	--	<.006	.011	.06	--	--	--	1.0	.8	1.4	--	<.04
19...	<.016	--	<.006	.020	.13	--	--	--	1.0	--	--	<2	<.04
JUN													
23...	<.016	--	<.006	.012	.08	--	--	--	1.2	.9	1.4	--	<.04
23...	<.016	--	<.006	.012	.07	--	--	--	1.2	--	--	<2	<.04
JUL													
21...	<.016	--	<.006	.017	.17	--	--	--	1.4	2.2	3.6	--	<.08
21...	<.016	--	<.006	.022	.16	--	--	--	1.4	--	--	--	<.04
AUG													
24...	<.016	--	<.006	.015	.14	--	--	--	--	1.3	2.9	--	<.04
24...	<.016	--	.123	.168	.45	--	--	--	--	--	--	4	<.04
30...	<.016	.11	.017	.102	.40	1.9	<.1	1.9	1.7	--	--	2	.06

Date	Cadmium water, unfltrd ug/L (01027)	Iron, water, fltrd, ug/L (01046)	Iron, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, unfltrd recover- able, ug/L (01055)	Zinc, water, fltrd, ug/L (01090)	Zinc, unfltrd recover- able, ug/L (01092)
OCT									
23...	<.04	32	180	<.08	.10	8.0	38	.9	--
23...	<.04	33	200	<.08	.30	11.9	42	E.6	E1
DEC									
01...	<.04	37	160	E.06	.13	6.7	20	.8	E1
01...	<.04	44	220	E.04	.18	20.2	33	E.4	<2
APR									
13...	<.04	36	170	E.04	.08	7.9	12	2.0	<2
13...	<.04	51	200	<.08	.08	19.3	23	2.0	E1
MAY									
19...	<.04	39	130	<.08	E.05	6.3	15	.9	E2
19...	<.04	47	220	<.08	.11	21.2	33	1.9	2
JUN									
23...	<.04	44	140	E.04	.09	1.1	12	1.2	E2
23...	<.04	33	140	<.08	.14	.8	15	8.2	9
JUL									
21...	<.08	22	80	<.16	E.08	6.7	22	1.4	<4
21...	<.04	15	110	<.08	E.06	9.4	51	6.6	8
AUG									
24...	<.04	11	100	<.08	E.04	.7	24	1.6	E1
24...	<.04	2190	2430	<.08	.06	1170	1220	3.1	3
30...	.10	244	1440	.41	1.85	872	1070	11.4	21

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.

< Less than

E Estimated value

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

472120116451000 CHATCOLET LK 0.4 MI NW OF ROCKY PT NEAR PLUMMER, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Temperature, air, deg C (00020)	Incident light intensity 400-700 nm, uE/m2/s (00200)	Light attenuation coefficient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Transparency Secchi disc, meters (00078)
OCT 23...	1040	32.0	--	900	.81	5.5	1.70
APR 13...	0844	33.0	15.0	880	.61	7.0	3.00
MAY 19...	0901	33.0	12.0	1220	.60	8.0	3.80
JUN 23...	0830	34.0	--	1000	.58	8.0	3.20
JUL 21...	1000	34.0	24.0	1650	.56	8.0	6.00
AUG 24...	0901	34.0	17.0	380	.58	7.0	2.30

  

Date	Time	Sam-pling depth, meters (00098)	Temper-ature, water, deg C (00010)	Specif. conduc-tance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	Baro-metric pres-sure, mmHg (00025)
OCT 23...	1045	1.0	12.1	59	7.3	8.7	87	706
23...	1046	2.0	12.1	59	7.2	8.7	87	706
23...	1047	3.0	12.1	59	7.2	8.5	85	706
23...	1048	4.0	12.0	59	7.2	8.5	85	706
23...	1049	5.0	12.0	59	7.2	8.5	85	706
23...	1050	6.0	12.0	59	7.1	8.3	83	706
23...	1051	7.0	12.0	59	7.2	8.3	83	706
23...	1052	8.0	11.9	60	7.1	8.1	81	706
23...	1053	9.0	11.9	59	7.1	8.1	81	706
DEC 01...	0930	.10	2.4	59	7.9	13.1	102	713
01...	0931	1.0	2.4	59	7.8	13.0	102	713
01...	0932	2.0	2.4	59	7.8	12.9	101	713
01...	0933	3.0	2.4	59	7.8	12.9	101	713
01...	0934	4.0	2.4	59	7.8	12.7	99	713
01...	0935	5.0	2.4	59	7.7	12.6	98	713
01...	0936	6.0	2.4	59	7.7	12.6	98	713
01...	0937	7.0	2.5	59	7.6	12.3	96	713
01...	0938	8.0	2.6	61	7.4	11.9	93	713
APR 13...	0850	1.0	9.7	43	6.9	10.5	100	704
13...	0851	2.0	9.5	42	6.9	10.6	100	704
13...	0852	3.0	8.7	42	6.9	10.6	99	704
13...	0853	4.0	7.8	42	6.9	10.4	95	704
13...	0854	5.0	7.5	42	6.8	10.5	95	704
13...	0855	6.0	6.9	43	6.8	10.0	89	704
13...	0856	7.0	6.5	42	6.8	10.0	88	704
13...	0857	8.0	6.5	42	6.7	10.1	89	704
13...	0858	9.0	6.4	42	6.7	9.9	87	704
MAY 19...	0905	.10	11.3	41	6.8	10.3	101	708
19...	0906	1.0	11.0	41	6.8	10.2	100	708
19...	0907	3.0	10.4	40	6.8	10.4	100	708
19...	0908	5.0	9.0	39	6.7	10.4	97	708
19...	0909	7.0	8.3	39	6.6	9.9	91	708
19...	0910	9.0	8.1	38	6.5	9.4	86	708
JUN 23...	0835	.10	20.2	43	7.4	9.2	110	706
23...	0836	1.0	17.6	43	7.4	9.9	112	706
23...	0837	3.0	16.7	43	7.2	10.1	112	706
23...	0838	5.0	14.3	42	7.0	10.4	110	706
23...	0839	7.0	13.4	41	6.8	10.0	103	706
23...	0840	9.0	11.7	40	6.6	8.9	89	706
23...	0841	10.0	10.9	41	6.5	7.2	70	706
23...	0842	10.4	10.8	43	6.4	3.4	33	706
JUL 21...	1005	1.0	22.6	52	8.4	8.0	100	709
21...	1006	2.0	22.5	52	8.3	8.2	102	709
21...	1007	3.0	22.5	52	8.3	8.4	105	709
21...	1008	4.0	22.4	52	8.3	8.5	106	709
21...	1009	5.0	19.7	48	7.7	8.5	100	709
21...	1010	6.0	16.4	46	6.9	7.9	87	709
21...	1011	7.0	14.6	46	6.6	6.5	69	709
21...	1012	8.0	13.6	45	6.4	5.1	53	709
21...	1013	9.0	12.9	47	6.2	3.6	37	709
21...	1014	10.0	12.6	49	6.2	2.4	24	709
AUG 24...	0905	.50	21.2	46	7.6	7.5	92	700
24...	0906	2.0	21.2	46	7.5	7.4	91	700
24...	0907	4.0	21.2	45	7.5	7.3	90	700
24...	0908	6.0	21.2	46	7.5	7.3	90	700
24...	0909	8.0	16.1	51	6.4	.4	4	700
24...	0910	10.0	13.2	72	6.5	.3	3	700

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES  
472500116450000 COEUR D ALENE LAKE NE OF BLUE PT NEAR HARRISON, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
23...	0945	2.0	25	6.82	1.89	--	--	--	--	--	--	--	<.010
23...	1010	12.0	25	6.79	1.86	--	--	--	--	--	--	--	<.010
23...	1030	16.5	22	6.09	1.75	--	--	--	--	--	--	--	.030
DEC													
02...	0900	2.0	26	7.00	2.01	--	--	--	--	--	--	--	<.010
02...	0930	10.0	26	7.10	2.01	--	--	--	--	--	--	--	--
02...	0945	15.5	26	7.05	1.95	--	--	--	--	--	--	--	<.010
APR													
13...	1045	2.0	18	5.03	1.23	.64	1.41	20	.61	<.2	10.9	1.9	<.010
13...	1115	10.0	21	5.66	1.74	--	--	--	--	--	--	--	.018
13...	1130	17.0	23	6.13	1.79	.67	1.90	21	1.00	<.2	10.7	4.6	.022
MAY													
19...	1100	2.0	16	4.50	1.04	.41	1.03	19	.28	<.2	7.7	1.2	<.010
19...	1115	12.0	20	5.20	1.62	--	--	--	--	--	--	--	E.008
19...	1130	16.0	21	5.63	1.70	.73	1.67	21	.94	<.2	10.1	4.2	.016
JUN													
23...	1015	2.0	18	4.92	1.38	.54	1.34	20	.52	<.2	9.2	2.3	<.010
23...	1030	12.0	17	4.77	1.23	--	--	--	--	--	--	--	<.010
23...	1045	16.0	18	4.79	1.38	.58	1.43	20	.69	<.2	9.8	2.5	<.010
JUL													
21...	0930	2.0	19	5.34	1.45	.60	1.35	20	.53	<.2	8.7	3.0	E.007
21...	0945	12.0	20	5.44	1.49	--	--	--	--	--	--	--	.012
21...	1000	17.0	20	5.57	1.58	.64	1.49	20	.81	<.2	10.2	3.6	.016
AUG													
24...	1130	2.0	22	6.10	1.57	--	--	--	--	--	--	--	<.010
24...	1200	12.0	20	5.45	1.45	--	--	--	--	--	--	--	.017
24...	1230	17.0	21	5.77	1.55	--	--	--	--	--	--	--	.022
30...	1200	17.5	21	5.81	1.60	--	--	--	--	--	--	--	.029

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)
OCT													
23...	<.016	--	<.006	.008	.08	--	--	--	--	1.4	2.2	--	.10
23...	<.016	--	<.006	.012	.10	--	--	--	--	--	--	--	.08
23...	.025	--	<.006	.015	.16	--	--	--	--	--	--	<2	.13
DEC													
02...	.023	--	<.006	.011	.11	--	--	--	--	1.4	2.3	--	.15
02...	--	--	--	--	--	--	--	--	--	--	--	--	.12
02...	.017	--	<.006	.011	.11	--	--	--	--	--	--	<2	.10
APR													
13...	.046	--	<.006	.011	.16	--	--	--	--	.5	.7	--	.09
13...	.158	--	<.006	.012	.29	--	--	--	--	--	--	--	.27
13...	.186	--	<.006	.011	.30	--	--	--	1.6	--	--	<2	.33
MAY													
19...	<.016	--	<.006	.007	.07	--	--	--	1.0	.7	.9	--	E.02
19...	.071	--	<.006	.005	.16	--	--	--	--	--	--	--	.24
19...	.115	--	<.006	.007	.22	--	--	--	1.3	--	--	<2	.24
JUN													
23...	<.016	--	<.006	.008	.10	--	--	--	1.3	1.4	2.0	--	.14
23...	<.016	--	<.006	.009	.10	--	--	--	--	--	--	--	.11
23...	<.016	--	<.006	.009	.10	--	--	--	1.6	--	--	<2	.16
JUL													
21...	<.016	--	<.006	.007	.22	--	--	--	1.3	1.1	1.6	--	.16
21...	<.016	--	<.006	--	--	--	--	--	--	--	--	--	.17
21...	.041	--	<.006	.012	.20	--	--	--	1.5	--	--	--	.26
AUG													
24...	<.016	--	<.006	.009	.19	--	--	--	--	1.1	1.4	--	.15
24...	E.012	--	<.006	.008	.12	--	--	--	--	--	--	--	.21
24...	.052	--	E.004	.026	.21	--	--	--	--	--	--	<2	.41
30...	.044	.03	E.005	.031	.18	.7	<.1	.6	1.5	--	--	<2	.26

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.

< Less than

E Estimated value

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES  
 472500116450000 COEUR D ALENE LAKE NE OF BLUE PT NEAR HARRISON, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Cadmium water, unfltrd ug/L (01027)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)
OCT									
23...	.13	10	40	.11	1.11	.8	10	37.1	37
23...	.12	14	60	.08	.91	1.5	16	32.9	33
23...	.15	24	170	.10	1.44	52.7	110	53.8	57
DEC									
02...	.20	25	120	.63	4.80	9.3	28	60.0	61
02...	.17	32	120	.54	3.67	7.3	25	49.0	53
02...	.14	36	120	.42	2.88	7.4	24	41.2	45
APR									
13...	.10	30	170	.20	1.09	4.9	11	21.7	23
13...	.30	31	140	.63	3.03	--	10	71.5	73
13...	.36	30	140	.68	3.15	6.6	21	82.0	85
MAY									
19...	E.03	34	100	E.08	.28	.9	9	6.1	7
19...	.28	13	60	.32	1.76	E.2	7	74.0	69
19...	.29	16	90	.25	1.84	1.9	17	71.7	71
JUN									
23...	.22	18	70	.23	1.30	.3	11	37.5	43
23...	.16	23	90	.14	1.08	.3	13	31.6	33
23...	.19	17	80	.12	.98	.6	12	43.0	44
JUL									
21...	.20	8	40	.15	.99	1.1	6	40.0	45
21...	.22	7	50	E.05	1.32	.7	11	58.4	64
21...	.31	9	80	E.05	1.66	16.6	37	69.6	75
AUG									
24...	.18	9	40	E.08	.64	8.9	22	40.8	46
24...	.23	E6	50	E.04	.72	32.1	54	64.2	69
24...	.54	14	300	.10	5.02	124	170	83.0	101
30...	.47	8	450	.11	5.46	67.2	186	55.8	82

Date	Time	Depth at sample locati- on, feet (81903)	Temper- ature, air, deg C (00020)	Inci- dent light intnsty 400- 700 nm, uE/m2/s (00200)	Light attenu- ation coeffi- cient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Trans- parency Secchi disc, meters (00078)
OCT							
23...	0915	56.0	--	600	.48	9.0	4.50
DEC							
02...	0830	54.0	.5	122	.51	8.5	3.60
APR							
13...	1015	59.0	15.0	1300	.63	7.0	2.20
MAY							
19...	1030	52.0	16.0	1000	.47	9.0	3.50
JUN							
23...	0955	57.0	25.0	1500	.47	9.0	3.80
JUL							
21...	0900	59.0	19.0	1250	.46	11	7.00
AUG							
24...	1100	52.0	16.0	370	.39	11	4.00

E Estimated value

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

472500116450000 COEUR D ALENE LAKE NE OF BLUE PT NEAR HARRISON, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
OCT								
23...	0920	1.0	12.8	58	7.1	8.9	91	706
23...	0921	3.0	12.8	58	7.1	8.9	91	706
23...	0922	5.0	12.8	58	7.1	8.8	90	706
23...	0923	7.0	12.8	57	7.1	8.8	90	706
23...	0924	9.0	12.8	57	7.1	8.8	90	706
23...	0925	11.0	12.5	57	7.0	8.2	83	706
23...	0926	13.0	12.2	57	6.8	7.7	78	706
23...	0927	15.0	11.0	56	6.5	6.0	59	706
DEC								
02...	0835	1.0	4.4	58	7.0	10.8	89	713
02...	0836	5.0	4.2	58	7.0	10.8	89	713
02...	0837	10.0	4.2	59	7.0	10.7	88	713
02...	0838	15.0	4.0	58	6.7	10.7	87	713
APR								
13...	1020	1.0	8.8	45	7.1	10.6	99	704
13...	1021	2.0	8.7	45	7.1	10.5	98	704
13...	1022	3.0	8.4	48	7.1	10.6	98	704
13...	1023	4.0	8.2	47	7.1	10.6	97	704
13...	1024	5.0	7.7	48	7.0	10.5	95	704
13...	1025	6.0	7.1	51	7.0	10.5	94	704
13...	1026	7.0	6.6	52	7.0	10.3	91	704
13...	1027	8.0	6.0	55	7.0	10.6	92	704
13...	1028	9.0	5.7	56	7.0	10.7	92	704
13...	1029	10.0	5.3	61	7.0	10.8	92	704
13...	1030	11.0	5.3	61	7.0	10.9	93	704
13...	1031	12.0	5.3	61	7.0	10.9	93	704
13...	1032	13.0	5.2	61	7.0	10.9	93	704
13...	1033	14.0	5.1	62	6.9	10.8	92	704
13...	1034	15.0	5.1	62	6.9	10.7	91	704
13...	1035	16.0	5.0	62	6.8	10.5	89	704
13...	1036	17.0	5.0	61	6.8	10.4	88	704
MAY								
19...	1035	1.0	12.1	40	7.0	10.1	101	708
19...	1036	1.0	11.9	40	6.9	10.1	101	708
19...	1037	3.0	11.6	40	6.9	10.1	100	708
19...	1038	5.0	11.5	40	6.9	10.2	101	708
19...	1039	7.0	11.1	39	6.8	10.1	99	708
19...	1040	9.0	8.7	45	6.7	9.9	92	708
19...	1041	11.0	7.4	54	6.6	10.1	90	708
19...	1042	15.0	6.2	56	6.5	9.1	79	708
JUN								
23...	1000	1.0	18.1	42	7.4	10.3	118	706
23...	1001	1.0	16.6	42	7.4	10.5	116	706
23...	1002	3.0	14.8	43	7.4	11.0	117	706
23...	1003	5.0	14.2	43	7.3	11.2	118	706
23...	1004	7.0	13.6	41	7.1	11.2	116	706
23...	1005	9.0	12.5	41	7.0	11.1	113	706
23...	1006	11.0	11.9	41	6.8	10.9	109	706
23...	1007	13.0	10.6	42	6.7	10.9	106	706
23...	1008	15.0	9.3	42	6.6	10.5	99	706
23...	1009	16.5	8.3	46	6.5	9.6	88	706
JUL								
21...	0905	1.0	20.4	52	7.5	8.2	98	709
21...	0906	3.0	20.3	51	7.4	8.3	99	709
21...	0907	5.0	17.8	49	7.4	9.0	102	709
21...	0908	7.0	16.3	48	7.3	9.3	102	709
21...	0909	9.0	14.3	47	7.1	9.3	98	709
21...	0910	11.0	12.8	47	6.8	8.4	85	709
21...	0911	13.0	11.5	47	6.6	7.5	74	709
21...	0912	15.0	9.9	50	6.4	6.2	59	709
21...	0913	17.0	9.1	52	6.3	6.0	56	709
AUG								
24...	1105	1.0	20.6	46	7.5	7.9	96	700
24...	1106	3.0	20.6	46	7.4	7.9	96	700
24...	1107	5.0	20.6	46	7.4	7.8	95	700
24...	1108	7.0	15.3	40	7.0	7.8	85	700
24...	1109	9.0	13.2	41	6.7	6.8	71	700
24...	1110	11.0	12.1	41	6.6	6.5	66	700
24...	1111	13.0	11.2	41	6.5	6.5	65	700
24...	1112	15.0	10.2	43	6.4	4.9	48	700

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES  
473054116500600 COEUR D ALENE LK 1.7 MILES NE OF UNIV. PT NEAR HARRISON, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
21...	1045	2.0	21	5.55	1.66	--	--	--	--	--	--	--	<.010
21...	1200	20.0	21	5.44	1.68	--	--	--	--	--	--	--	<.010
21...	1215	30.0	20	5.33	1.67	--	--	--	--	--	--	--	<.010
21...	1235	37.5	19	5.10	1.59	--	--	--	--	--	--	--	<.010
21...	1300	38.5	20	5.20	1.62	--	--	--	--	--	--	--	<.010
DEC													
02...	1045	2.0	22	5.89	1.78	--	--	--	--	--	--	--	E.008
02...	1100	20.0	22	5.93	1.79	--	--	--	--	--	--	--	E.006
02...	1115	30.0	22	5.99	1.81	--	--	--	--	--	--	--	E.008
02...	1130	38.5	24	6.33	1.93	--	--	--	--	--	--	--	<.010
FEB													
03...	1015	2.0	24	6.38	1.87	--	--	--	--	--	--	--	E.007
03...	1030	20.0	24	6.45	1.89	--	--	--	--	--	--	--	E.006
03...	1040	30.0	24	6.39	1.88	--	--	--	--	--	--	--	E.007
03...	1100	37.5	24	6.39	1.88	--	--	--	--	--	--	--	E.008
APR													
13...	1245	2.0	19	5.12	1.42	.61	1.51	19	.67	<.2	11.1	2.5	<.010
13...	1315	20.0	22	6.01	1.76	.75	1.83	21	.98	<.2	10.2	4.7	.017
13...	1330	30.0	23	5.97	1.88	--	--	--	--	--	--	--	.020
13...	1345	38.0	23	6.29	1.81	.72	1.76	21	1.01	<.2	9.9	4.6	.022
MAY													
18...	0900	2.0	18	4.86	1.41	.57	1.36	20	.61	<.2	8.8	2.8	<.010
18...	0930	20.0	21	5.59	1.71	.69	1.68	21	1.04	<.2	9.7	4.0	.020
18...	0945	30.0	21	5.57	1.77	--	--	--	--	--	--	--	.043
18...	1000	38.0	22	5.74	1.74	.78	1.70	22	1.15	<.2	9.4	4.6	.031
18...	1030	39.0	21	5.45	1.71	--	--	--	--	--	--	--	.049
JUN													
22...	1015	2.0	18	4.93	1.47	.54	1.43	20	.68	<.2	8.9	2.8	<.010
22...	1030	20.0	19	5.08	1.56	.63	1.51	20	.92	<.2	9.6	3.4	<.010
22...	1045	30.0	22	5.74	1.75	--	--	--	--	--	--	--	.017
22...	1100	39.0	21	5.54	1.74	.72	1.71	21	1.04	<.2	9.7	4.4	.019
22...	1130	40.0	21	5.72	1.73	--	--	--	--	--	--	--	.025
JUL													
20...	1100	2.0	20	5.42	1.53	.61	1.38	20	.59	<.2	8.8	3.3	<.010
20...	1115	20.0	20	5.53	1.61	.64	1.56	20	.87	<.2	9.7	4.1	E.008
20...	1130	30.0	23	6.11	1.81	--	--	--	--	--	--	--	E.008
20...	1145	39.0	22	5.88	1.74	.70	1.66	21	1.09	<.2	10.0	4.8	E.007
21...	1430	40.0	22	5.99	1.75	--	--	--	--	--	--	--	.013
AUG													
31...	0930	2.0	21	5.78	1.65	--	--	--	--	--	--	--	E.006
31...	0945	20.0	21	5.68	1.66	--	--	--	--	--	--	--	E.007
31...	1000	30.0	22	5.83	1.75	--	--	--	--	--	--	--	<.010
31...	1015	39.0	23	6.04	1.81	--	--	--	--	--	--	--	<.010
31...	1030	40.0	21	5.69	1.70	--	--	--	--	--	--	--	.010

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473054116500600 COEUR D ALENE LK 1.7 MILES NE OF UNIV. PT NEAR HARRISON, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Nitrite + nitrate water fltrd, as N (00631)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phyto-plankton, ug/L (62360)	Chlorophyll a phyto-plankton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)
OCT													
21...	<.016	--	<.006	.004	.06	--	--	--	--	.8	1.6	--	.18
21...	.020	--	<.006	.005	.08	--	--	--	--	--	--	--	.24
21...	.063	--	<.006	E.003	.11	--	--	--	--	--	--	--	.30
21...	.084	--	<.006	.004	.13	--	--	--	--	--	--	<2	.31
21...	.072	--	<.006	.049	.27	--	--	--	--	--	--	E2	.63
DEC													
02...	.028	.03	<.006	E.003	.11	.2	<.1	.2	1.3	.7	1.2	--	.23
02...	.027	<.02	<.006	E.004	.10	.1	<.1	.1	1.4	--	--	--	.23
02...	.028	<.02	<.006	E.003	.12	.1	<.1	.1	1.3	--	--	--	.21
02...	.028	<.02	<.006	.006	.12	.2	<.1	.2	1.2	--	--	<2	.25
FEB													
03...	.038	<.02	<.006	.005	.10	.1	<.1	.1	1.4	1.0	1.5	--	.23
03...	.038	<.02	<.006	.005	.10	<.1	<.1	<.1	1.4	--	--	--	.26
03...	.038	.03	<.006	.005	.11	.1	<.1	.1	1.4	--	--	--	.24
03...	.038	.03	<.006	.006	.10	.2	<.1	.1	1.4	--	--	E1	.23
APR													
13...	.041	.03	<.006	.011	.12	.3	<.1	.3	1.5	.6	1.2	--	.27
13...	.125	<.02	<.006	.008	.20	.2	<.1	.1	1.6	--	--	--	.36
13...	.122	<.02	<.006	.008	.23	.2	<.1	.2	--	--	--	--	.34
13...	.098	<.02	<.006	.007	.19	.1	<.1	.1	1.5	--	--	<2	.33
MAY													
18...	<.016	.05	<.006	.006	.09	.3	<.1	.3	1.1	1.2	2.0	--	.22
18...	.076	.03	<.006	.010	.19	.2	<.1	.2	1.4	--	--	--	.30
18...	.088	<.02	<.006	.005	.20	<.1	<.1	<.1	1.4	--	--	--	.30
18...	.075	<.02	<.006	E.004	.20	<.1	<.1	<.1	1.3	--	--	<2	.32
18...	.079	.12	.007	.049	.31	.8	<.1	.8	3.3	--	--	3	.39
JUN													
22...	<.016	.05	<.006	.006	.12	.4	<.1	.4	1.4	1.6	2.5	--	.21
22...	.036	.03	<.006	.006	.14	.2	<.1	.2	1.4	--	--	--	.24
22...	.063	.02	<.006	.004	.18	.2	<.1	.1	1.5	--	--	--	.26
22...	.069	<.02	<.006	.004	.17	<.1	<.1	<.1	1.5	--	--	<2	.27
22...	.065	.10	<.006	.028	.29	1.0	<.1	1.0	1.7	--	--	--	.50
JUL													
20...	<.016	.03	<.006	.004	.06	.3	<.1	.3	1.4	1.2	1.8	--	.20
20...	.045	<.02	<.006	E.004	.11	.2	<.1	.2	1.5	--	--	--	.23
20...	.074	<.02	<.006	E.003	.15	<.1	<.1	<.1	1.5	--	--	--	.27
20...	.092	<.02	<.006	.008	.16	.1	<.1	.1	1.5	--	--	<2	.28
21...	.085	.07	<.006	.025	.24	.9	<.1	.9	1.8	--	--	<2	.44
AUG													
31...	<.016	.02	<.006	E.004	.07	.2	<.1	.2	1.3	.6	1.0	--	.17
31...	.032	<.02	<.006	E.004	.10	.1	<.1	.1	1.3	--	--	--	.23
31...	.096	<.02	<.006	E.004	.17	<.1	<.1	<.1	1.3	--	--	--	.29
31...	.110	<.02	<.006	E.004	.19	.1	<.1	<.1	1.3	--	--	<2	.32
31...	.112	.04	<.006	.022	.24	.9	<.1	.9	1.6	--	--	<2	.57

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473054116500600 COEUR D ALENE LK 1.7 MILES NE OF UNIV. PT NEAR HARRISON, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Cadmium water, unfltrd ug/L (01027)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)
OCT									
21...	.19	<6	10	E.06	.42	.2	3	50.8	48
21...	.27	E4	20	E.07	.95	.3	9	77.9	73
21...	.31	7	20	.09	1.12	.2	6	86.5	80
21...	.32	7	20	.11	.57	.2	5	83.8	83
21...	1.55	26	1560	4.99	122	491	644	99.9	193
DEC									
02...	.27	E6	20	.11	1.58	E.1	7	67.0	69
02...	.25	E4	30	.12	1.67	E.2	7	69.4	69
02...	.25	E5	30	.18	2.18	.6	9	68.2	70
02...	.31	11	60	.66	5.36	5.6	21	76.7	81
FEB									
03...	.32	11	60	.35	2.86	.7	12	71.9	82
03...	.32	13	60	.40	3.00	.7	14	71.8	84
03...	.31	15	60	.43	3.02	.7	14	71.9	76
03...	.31	12	60	.37	3.05	.6	14	70.8	77
APR									
13...	.29	22	150	.99	6.77	9.6	20	51.7	53
13...	.39	20	110	.62	3.51	.3	9	86.0	87
13...	.38	16	90	.44	2.82	E.2	7	89.0	88
13...	.36	18	70	.52	2.46	1.0	7	93.9	97
MAY									
18...	.26	16	50	.42	2.18	.5	11	47.9	53
18...	.34	16	60	.33	2.45	E.2	8	80.1	83
18...	.32	11	60	.29	2.00	E.1	5	87.3	79
18...	.32	9	50	.21	1.42	.2	5	92.5	91
18...	1.35	26	1020	2.75	55.4	776	833	97.0	148
JUN									
22...	.26	9	40	.16	1.03	.3	7	47.0	53
22...	.29	11	50	.16	1.18	.2	8	71.1	73
22...	.29	8	40	.14	1.01	E.2	5	79.9	77
22...	.31	9	40	.14	1.07	.3	5	78.9	77
22...	.94	12	840	2.11	50.2	44.3	173	99.6	143
JUL									
20...	.22	E5	20	.11	.77	1.1	4	47.8	49
20...	.26	6	30	E.06	.66	E.2	3	64.9	68
20...	.28	E6	30	.12	.64	.4	3	78.2	80
20...	.32	6	30	.08	.72	.4	4	82.5	85
21...	.98	12	860	1.91	45.0	130	243	93.0	140
AUG									
31...	.19	<6	10	.08	.52	.5	4	35.5	42
31...	.28	<6	20	E.07	.70	.2	8	66.2	76
31...	.31	<6	20	.10	.37	E.1	2	73.2	82
31...	.35	E4	20	E.07	.65	E.2	3	80.7	109
31...	.99	7	630	1.06	32.7	49.8	181	84.5	135

< Less than  
E Estimated value

Date	Time	Depth at sample locati- on, feet (81903)	Temper- ature, deg C (00020)	Inci- dent light intnsty 400- 700 nm, uE/m2/s (00200)	Light attenu- ation coeffi- cient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Trans- parency Secchi disc, meters (00078)
OCT							
21...	1020	128.0	25.0	820	.29	13	8.50
DEC							
02...	1005	131.0	.5	88.0	.28	11	7.50
FEB							
03...	0950	128.0	--	390	.36	11	5.00
APR							
13...	1220	131.0	15.0	275	.56	7.0	2.60
MAY							
18...	0825	131.0	15.0	660	.39	11	4.00
JUN							
22...	0940	131.0	21.0	1600	.44	11	4.20
JUL							
20...	1030	134.0	20.0	425	.31	13	7.00
AUG							
24...	0855	131.0	19.0	960	.31	14	8.60



## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473054116500600 COEUR D ALENE LK 1.7 MILES NE OF UNIV. PT NEAR HARRISON, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
OCT								
21...	1025	1.0	13.6	51	--	9.5	99	706
21...	1026	5.0	13.5	51	--	9.4	97	706
21...	1027	10.0	13.3	52	--	9.4	97	706
21...	1028	15.0	13.1	52	--	9.2	95	706
21...	1029	20.0	8.0	49	--	7.1	65	706
21...	1030	25.0	7.2	50	--	7.2	64	706
21...	1031	30.0	7.0	50	--	7.2	64	706
21...	1032	35.0	6.8	50	--	7.2	64	706
21...	1033	37.0	6.7	50	--	7.2	64	706
DEC								
02...	1010	1.0	6.3	52	7.5	10.8	93	713
02...	1011	5.0	6.3	52	7.4	10.3	89	713
02...	1012	10.0	6.3	52	7.3	10.0	87	713
02...	1013	20.0	6.3	51	7.2	10.1	87	713
02...	1014	30.0	6.2	51	7.2	10.1	87	713
02...	1015	38.0	5.6	54	7.2	10.2	87	713
FEB								
03...	0955	1.0	2.7	56	--	11.4	91	700
03...	0956	5.0	2.7	56	--	11.4	91	700
03...	0957	10.0	2.7	56	--	11.4	91	700
03...	0958	20.0	2.8	56	--	11.4	92	700
03...	0959	30.0	2.8	56	--	11.4	92	700
03...	1000	35.0	2.8	56	--	11.3	91	700
APR								
13...	1225	1.0	9.2	49	7.2	10.7	101	704
13...	1226	3.0	8.6	48	7.1	10.7	99	704
13...	1227	5.0	8.2	48	7.1	10.5	96	704
13...	1228	7.0	7.6	49	7.1	10.6	96	704
13...	1229	15.0	5.1	60	7.1	11.1	94	704
13...	1230	20.0	4.8	61	7.1	11.2	94	704
13...	1231	25.0	4.6	61	7.0	11.2	94	704
13...	1232	30.0	4.5	60	7.0	11.2	94	704
13...	1233	35.0	4.4	60	6.9	10.8	90	704
MAY								
18...	0829	1.0	12.4	51	7.1	10.5	106	708
18...	0831	3.0	12.3	51	7.2	10.4	105	708
18...	0832	5.0	12.1	50	7.2	10.6	106	708
18...	0833	7.0	11.6	49	7.2	10.6	105	708
18...	0834	9.0	11.3	49	7.2	10.7	105	708
18...	0835	11.0	11.2	51	7.1	10.6	104	708
18...	0836	13.0	10.7	51	7.0	10.6	103	708
18...	0837	15.0	7.6	55	6.8	10.4	94	708
18...	0838	20.0	6.9	57	6.6	10.4	92	708
18...	0839	30.0	5.6	58	6.6	10.4	89	708
18...	0840	38.6	4.8	59	6.7	9.1	76	708
JUN								
22...	0945	1.0	18.1	47	7.1	9.8	112	706
22...	0946	3.0	16.4	47	7.3	9.8	108	706
22...	0947	5.0	15.3	46	7.5	10.1	109	706
22...	0948	7.0	14.2	46	7.6	10.3	108	706
22...	0949	9.0	13.6	46	7.4	10.2	106	706
22...	0950	11.0	13.5	46	7.4	10.3	107	706
22...	0951	13.0	12.7	46	7.3	10.0	102	706
22...	0952	15.0	11.0	46	7.0	9.6	94	706
22...	0953	20.0	8.6	48	6.8	9.3	86	706
22...	0954	30.0	6.1	52	6.6	9.7	84	706
22...	0955	35.0	6.0	51	6.6	9.8	85	706
22...	0956	38.0	5.8	51	6.6	9.4	81	706
JUL								
20...	1035	1.0	21.8	53	7.4	8.6	106	708
20...	1036	3.0	21.8	53	7.3	8.4	103	708
20...	1037	5.0	21.4	52	7.3	8.4	102	708
20...	1038	7.0	17.7	50	7.3	9.3	105	708
20...	1039	9.0	15.3	50	7.3	9.9	106	708
20...	1040	11.0	13.9	49	7.1	9.9	103	708
20...	1041	13.0	11.9	50	7.0	9.5	95	708
20...	1042	15.0	10.9	50	6.8	8.8	86	708
20...	1043	20.0	8.2	52	6.6	8.8	80	708
20...	1044	30.0	6.2	55	6.5	9.4	82	708
20...	1045	35.0	5.9	55	6.5	9.3	80	708
20...	1046	40.0	5.9	57	6.7	7.9	68	708
AUG								
24...	0900	1.0	19.8	46	7.3	8.3	99	700
24...	0901	3.0	19.7	46	7.2	8.3	99	700
24...	0902	5.0	19.7	46	7.2	8.3	99	700
24...	0903	7.0	19.7	46	7.2	8.4	100	700
24...	0904	9.0	19.3	46	7.2	8.3	98	700
24...	0905	11.0	19.0	45	7.2	8.2	96	700
24...	0906	13.0	13.6	42	6.9	8.9	93	700
24...	0907	15.0	11.4	43	6.7	7.8	78	700
24...	0908	20.0	9.1	44	6.5	7.4	70	700
24...	0909	30.0	6.4	46	6.4	8.3	73	700
24...	0910	35.0	6.3	46	6.4	8.3	73	700
24...	0911	38.0	6.1	47	6.3	8.0	70	700

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473500116482000 COEUR D ALENE LK 0.8 MILES SW OF DRIFTWOOD PT NEAR COEUR D'ALENE, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfl fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
22...	1240	2.0	20	5.47	1.65	--	--	--	--	--	--	--	<.010
22...	1250	25.0	20	5.23	1.64	--	--	--	--	--	--	--	<.010
22...	1310	40.0	20	5.29	1.67	--	--	--	--	--	--	--	<.010
22...	1330	58.0	20	5.25	1.65	--	--	--	--	--	--	--	<.010
FEB													
03...	1315	2.0	24	6.38	1.86	--	--	--	--	--	--	--	E.005
03...	1330	25.0	23	6.28	1.83	--	--	--	--	--	--	--	E.006
03...	1345	40.0	23	6.25	1.83	--	--	--	--	--	--	--	E.007
03...	1400	58.0	23	6.29	1.84	--	--	--	--	--	--	--	E.007
MAY													
18...	1200	2.0	19	5.03	1.51	.67	1.50	20	1.50	<.2	9.4	3.5	<.010
18...	1215	25.0	20	5.44	1.66	.70	1.66	21	.95	<.2	9.5	4.3	.024
18...	1230	40.0	21	5.57	1.75	--	--	--	--	--	--	--	.029
18...	1245	58.0	22	5.77	1.76	.71	1.86	22	1.07	<.2	9.5	4.7	.029
JUN													
22...	0845	2.0	18	4.79	1.44	.60	1.40	20	.69	<.2	8.9	2.9	<.010
22...	0900	25.0	20	5.41	1.69	.72	1.63	21	1.05	<.2	9.6	4.0	.014
22...	0915	40.0	22	5.80	1.75	--	--	--	--	--	--	--	.023
22...	0930	59.0	21	5.51	1.73	.68	1.66	21	1.04	<.2	9.7	4.4	.020

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, wat unfl by anal mg/L (62855)	Organic carbon, water, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Iron, water, fltrd, ug/L (01046)	Iron, water, recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)
OCT													
22...	<.016	<.006	.004	.05	--	.6	1.4	--	.19	.20	<6	10	E.07
22...	.029	<.006	.005	.07	--	--	--	--	.27	.28	E5	10	.08
22...	.082	<.006	E.003	.12	--	--	--	--	.33	.32	7	20	.11
22...	.090	<.006	.005	.14	--	--	--	--	.33	.34	10	20	.13
FEB													
03...	.035	<.006	.005	.09	--	1.1	1.6	--	.23	.29	8	40	.22
03...	.033	<.006	.005	.10	--	--	--	--	.23	.27	7	40	.22
03...	.033	<.006	.004	.10	--	--	--	--	.22	.27	E6	40	.17
03...	.033	<.006	.005	.10	--	--	--	<2	.24	.27	7	40	.24
MAY													
18...	.016	<.006	.007	.15	1.2	1.8	2.5	--	.24	.29	12	50	.30
18...	.060	<.006	.005	.17	1.3	--	--	--	.26	.32	9	50	.21
18...	.070	<.006	E.002	.18	--	--	--	--	.28	.28	8	40	.20
18...	.077	<.006	E.004	.21	1.3	--	--	<2	.29	.32	10	50	.21
JUN													
22...	<.016	<.006	.008	.21	1.4	.6	1.6	--	.23	.24	7	40	.15
22...	.060	<.006	.004	.18	1.4	--	--	--	.27	.28	17	50	.15
22...	.066	<.006	E.004	.23	--	--	--	--	.33	.40	12	40	.24
22...	.068	<.006	E.004	.18	1.4	--	--	<2	.31	.30	8	40	.14

Date	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)
OCT					
22...	.35	.3	3	46.2	49
22...	.49	.3	4	75.6	83
22...	.54	.2	5	80.3	88
22...	.55	.3	5	81.1	88
FEB					
03...	2.08	.2	8	64.8	75
03...	2.09	.3	9	67.4	73
03...	2.10	E.2	9	67.8	75
03...	2.16	.3	9	67.9	74
MAY					
18...	1.90	E.2	8	55.2	61
18...	1.52	E.1	5	73.1	74
18...	1.22	E.1	3	--	84
18...	1.35	.2	4	85.8	87
JUN					
22...	.78	.5	5	47.5	51
22...	1.01	.8	5	80.2	79
22...	1.15	.3	4	80.4	79
22...	.99	.4	4	78.6	76

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.  
 < Less than  
 E Estimated value

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473500116482000 COEUR D ALENE LK 0.8 MILES SW OF DRIFTWOOD PT NEAR COEUR D'ALENE, ID--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Temperature, air, deg C (00020)	Incident light intensity 400-700 nm, uE/m2/s (00200)	Light attenuation coefficient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Transparency Secchi disc, meters (00078)
OCT 22...	1225	194.0	--	1100	.28	13	10.1
FEB 03...	1250	197.0	--	325	.29	12	5.40
MAY 18...	1131	194.0	20.0	1360	.40	11	3.80
JUN 22...	0820	187.0	18.0	1050	.42	11	4.80

  

Date	Time	Sampling depth, meters (00098)	Temperature, water, deg C (00010)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	pH, water, unfiltered, std units (00400)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Barometric pressure, mm Hg (00025)
OCT 22...	1230	1.0	14.0	51	7.1	9.4	99	703
22...	1231	5.0	13.8	51	7.1	9.4	99	703
22...	1232	10.0	13.6	50	7.1	9.4	98	703
22...	1233	15.0	13.0	50	6.8	8.6	89	703
22...	1234	20.0	8.6	48	6.3	7.1	66	703
22...	1235	30.0	7.1	48	6.2	7.4	66	703
22...	1236	40.0	6.7	48	6.2	7.3	65	703
22...	1237	50.0	6.7	47	6.2	7.2	64	703
22...	1238	55.0	6.6	47	6.2	7.1	63	703
FEB 03...	1255	1.0	2.8	54	--	11.3	91	700
03...	1256	5.0	2.8	54	--	11.4	92	700
03...	1257	10.0	2.8	54	--	11.4	92	700
03...	1258	20.0	2.8	54	--	11.5	93	700
03...	1259	30.0	2.8	54	--	11.4	92	700
03...	1300	40.0	2.9	54	--	11.4	92	700
03...	1301	50.0	2.9	54	--	11.4	92	700
03...	1302	55.0	2.9	54	--	11.4	92	700
03...	1303	56.0	2.9	54	--	11.4	92	700
MAY 18...	1135	1.0	12.9	51	7.6	10.7	109	708
18...	1136	1.0	12.3	52	7.5	10.8	109	708
18...	1137	3.0	11.7	52	7.4	10.8	107	708
18...	1138	5.0	11.2	52	7.2	10.7	105	708
18...	1139	7.0	10.6	52	7.0	10.4	101	708
18...	1140	9.0	10.1	52	6.9	10.3	98	708
18...	1141	11.0	9.1	53	6.8	10.2	95	708
18...	1142	15.0	7.4	54	6.7	10.4	93	708
18...	1143	20.0	6.1	56	6.7	10.5	91	708
18...	1144	30.0	5.3	56	6.6	10.6	90	708
18...	1145	40.0	5.1	56	6.6	10.6	90	708
18...	1146	50.0	5.0	56	6.6	10.4	88	708
18...	1147	55.0	4.9	--	6.8	9.7	--	708
JUN 22...	0825	1.0	18.1	46	7.4	9.3	106	706
22...	0826	1.0	18.1	46	7.2	9.4	108	706
22...	0827	3.0	17.5	45	7.2	9.7	110	706
22...	0828	5.0	16.7	46	7.2	10.0	111	706
22...	0829	7.0	15.4	46	7.3	10.3	111	706
22...	0830	9.0	13.9	46	7.4	10.5	110	706
22...	0831	11.0	12.9	46	7.3	10.4	106	706
22...	0832	13.0	11.9	46	7.0	10.0	100	706
22...	0833	15.0	9.9	47	6.9	9.8	94	706
22...	0834	20.0	7.9	50	6.7	9.7	88	706
22...	0835	30.0	6.0	52	6.6	9.9	86	706
22...	0836	40.0	5.8	52	6.6	9.8	85	706
22...	0837	50.0	5.7	51	6.5	9.7	83	706
22...	0838	57.0	5.7	--	6.2	9.3	--	706

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES  
 473555116474300 COEUR D'ALENE LAKE NEAR DRIFTWOOD PT. NEAR COEUR D'ALENE, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
DEC													
03...	1145	2.0	21	5.71	1.71	--	--	--	--	--	--	--	E.005
03...	1200	20.0	21	5.60	1.69	--	--	--	--	--	--	--	E.006
03...	1215	30.0	21	5.54	1.67	--	--	--	--	--	--	--	E.005
03...	1230	41.0	22	5.76	1.74	--	--	--	--	--	--	--	E.005
APR													
14...	0830	2.0	20	5.33	1.51	.68	1.65	20	.77	<.2	11.0	3.1	<.010
14...	0900	20.0	23	6.16	1.78	.73	1.76	21	.98	<.2	9.7	4.5	.014
14...	0915	30.0	23	6.04	1.86	--	--	--	--	--	--	--	.018
14...	0930	41.0	23	6.18	1.78	.72	1.76	21	.92	<.2	9.6	4.8	.024
JUL													
20...	1330	2.0	19	5.20	1.48	.61	1.40	20	.65	<.2	8.8	3.4	<.010
20...	1345	20.0	20	5.39	1.57	.62	1.53	20	.87	<.2	9.6	4.0	.015
20...	1400	30.0	22	5.95	1.75	--	--	--	--	--	--	--	.010
20...	1415	40.0	21	5.76	1.71	.70	1.65	21	1.01	<.2	10.0	4.7	.012
AUG													
25...	0830	2.0	20	5.65	1.54	--	--	--	--	--	--	--	<.010
25...	0900	20.0	20	5.52	1.55	--	--	--	--	--	--	--	<.010
25...	0930	30.0	22	5.95	1.70	--	--	--	--	--	--	--	<.010
25...	1000	40.0	21	5.76	1.64	--	--	--	--	--	--	--	<.010
30...	0930	43.0	22	5.83	1.73	--	--	--	--	--	--	--	.010

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L as P (49570)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd total, mg/L (00694)	Inor- ganic carbon, suspnd total, mg/L (00688)	Organic carbon, suspnd total, mg/L (00689)	Organic carbon, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)
DEC													
03...	.031	--	<.006	E.003	.12	--	--	--	--	.6	.8	--	.22
03...	.032	--	<.006	.004	.10	--	--	--	--	--	--	--	.22
03...	.032	--	<.006	.004	.13	--	--	--	--	--	--	--	.23
03...	.032	--	<.006	E.004	.13	--	--	--	--	--	--	<2	.23
APR													
14...	.037	--	<.006	.010	.15	--	--	--	--	1.6	2.8	--	.26
14...	.064	--	<.006	.006	.19	--	--	--	--	--	--	--	.32
14...	.075	--	<.006	.006	.17	--	--	--	--	--	--	--	.30
14...	.064	--	<.006	.006	.18	--	--	--	.7	--	--	<2	.31
JUL													
20...	<.016	--	<.006	.005	.06	--	--	--	1.5	.6	1.2	--	.20
20...	.033	--	<.006	E.003	.12	--	--	--	1.6	--	--	--	--
20...	.078	--	<.006	E.003	.20	--	--	--	--	--	--	--	.27
20...	.088	--	<.006	E.003	.18	--	--	--	1.6	--	--	<2	.28
AUG													
25...	<.016	--	<.006	E.002	.06	--	--	--	--	--	--	--	.17
25...	.030	--	<.006	E.003	.12	--	--	--	--	--	--	--	.26
25...	.098	--	<.006	E.002	.17	--	--	--	--	--	--	--	.28
25...	.108	--	<.006	.004	.18	--	--	--	--	--	--	<2	.30
30...	.115	<.02	E.004	.040	.32	.4	<.1	.4	1.6	--	--	<2	.61

Date	Cadmium water, unfltrd ug/L (01027)	Iron, water, fltrd, ug/L (01046)	Iron, water, recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, recover- able, ug/L (01055)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, recover- able, ug/L (01092)
DEC									
03...	.23	E5	20	E.05	.49	E.2	4	65.0	65
03...	.25	E4	30	.10	.56	E.1	4	66.9	69
03...	.24	E5	20	E.04	.51	E.1	4	64.8	66
03...	.20	13	--	E.05	.54	.2	4	62.7	68
APR									
14...	.33	16	120	.51	4.37	1.0	16	55.8	61
14...	.34	13	70	.33	1.92	E.2	6	86.3	87
14...	.32	13	50	.31	1.57	E.2	4	81.9	82
14...	.33	9	40	.22	1.11	.3	3	85.3	85
JUL									
20...	.23	<6	20	E.06	.46	1.4	3	41.5	45
20...	.26	E4	20	.12	.51	E.2	2	63.5	66
20...	.29	E6	30	.09	.59	.2	3	73.6	76
20...	.30	E5	30	E.07	.60	.3	3	78.0	80
AUG									
25...	.17	<6	10	E.07	.45	.3	3	32.4	36
25...	.26	E4	10	E.05	.38	.2	2	68.6	73
25...	.33	<6	20	E.07	.45	E.1	2	80.0	83
25...	.41	<6	20	E.07	.49	E.1	3	88.7	91
30...	1.22	E5	890	1.28	61.9	65.7	242	89.5	162

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.  
 < Less than  
 E Estimated value

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473555116474300 COEUR D'ALENE LAKE NEAR DRIFTWOOD PT. NEAR COEUR D'ALENE, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Depth at sample location, feet (81903)	Temperature, air, deg C (00020)	Incident light intensity 400-700 nm, uE/m2/s (00200)	Light attenuation coefficient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Transparency Secchi disc, meters (00078)
DEC							
03...	1125	130.0	2.0	350	.29	13	7.00
APR							
14...	0800	141.0	10.0	340	.58	7.0	2.20
JUL							
20...	1250	138.0	23.0	540	.25	13	6.50
AUG							
25...	0800	136.0	15.0	80.0	.27	13	5.50

  

Date	Time	Sampling depth, meters (00098)	Temperature, water, deg C (00010)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	pH, water, unfiltered field, std units (00400)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Barometric pressure, mm Hg (00025)
DEC								
03...	1130	1.0	6.6	50	7.0	10.4	91	714
03...	1131	5.0	6.6	50	7.0	10.3	90	714
03...	1132	10.0	6.6	50	7.0	10.3	90	714
03...	1133	20.0	6.6	49	7.0	10.2	89	714
03...	1134	30.0	6.6	48	7.0	10.2	89	714
03...	1135	38.0	6.6	48	7.0	10.7	93	714
APR								
14...	0805	1.0	9.3	53	7.2	11.9	112	703
14...	0806	3.0	9.3	53	7.1	11.5	109	703
14...	0807	5.0	8.9	53	7.2	11.4	107	703
14...	0808	7.0	8.5	54	7.1	11.4	106	703
14...	0809	10.0	8.4	53	7.1	11.3	104	703
14...	0810	15.0	7.4	55	7.1	11.4	103	703
14...	0811	20.0	5.2	60	7.1	11.6	99	703
14...	0812	30.0	4.7	60	7.0	11.7	99	703
14...	0813	35.0	4.2	60	7.0	11.5	96	703
14...	0814	40.0	4.2	60	7.0	11.4	95	703
JUL								
20...	1255	1.0	22.6	50	7.3	7.8	97	708
20...	1256	3.0	22.6	50	7.2	7.9	99	708
20...	1257	5.0	22.5	50	7.2	7.8	97	708
20...	1258	7.0	21.9	50	7.2	8.1	100	708
20...	1259	9.0	17.0	49	7.2	8.8	98	708
20...	1300	11.0	15.2	49	7.3	9.6	103	708
20...	1301	13.0	12.7	49	7.1	9.6	97	708
20...	1302	15.0	11.0	49	6.9	8.9	87	708
20...	1303	20.0	9.1	51	6.6	8.6	80	708
20...	1304	30.0	6.2	54	6.5	8.9	77	708
20...	1305	40.0	5.9	54	6.4	8.7	75	708
20...	1306	41.4	5.9	58	6.4	7.6	66	708
AUG								
25...	0805	1.0	21.1	42	7.5	8.1	100	699
25...	0806	3.0	21.1	42	7.5	8.0	98	699
25...	0807	5.0	21.1	42	7.5	8.0	98	699
25...	0808	7.0	21.1	42	7.5	8.0	98	699
25...	0809	9.0	21.1	42	7.5	8.0	98	699
25...	0810	11.0	20.3	42	7.4	8.4	102	699
25...	0811	13.0	20.2	42	7.4	8.3	100	699
25...	0812	15.0	15.2	42	7.2	9.5	103	699
25...	0813	20.0	8.9	42	6.8	8.3	78	699
25...	0814	30.0	6.3	44	6.6	8.6	76	699
25...	0815	35.0	6.2	44	6.5	8.5	75	699
25...	0816	40.0	6.1	44	6.5	8.3	73	699

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473900116453000 COEUR D'ALENE LAKE 1.3 MILES SE OF TUBBS HILL NEAR COEUR D'ALENE, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfr fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
22...	1430	2.0	21	5.60	1.69	--	--	--	--	--	--	--	<.010
22...	1445	20.0	20	5.23	1.65	--	--	--	--	--	--	--	<.010
22...	1500	30.0	21	5.44	1.72	--	--	--	--	--	--	--	<.010
22...	1515	39.0	20	5.20	1.65	--	--	--	--	--	--	--	<.010
DEC													
02...	1315	2.0	20	5.48	1.64	--	--	--	--	--	--	--	E.006
02...	1330	20.0	20	5.46	1.64	--	--	--	--	--	--	--	E.007
02...	1345	30.0	21	5.55	1.66	--	--	--	--	--	--	--	E.008
02...	1400	39.0	20	5.47	1.64	--	--	--	--	--	--	--	E.006
FEB													
03...	1445	2.0	22	5.92	1.71	--	--	--	--	--	--	--	E.006
03...	1500	20.0	22	5.84	1.69	--	--	--	--	--	--	--	E.007
03...	1515	30.0	22	5.90	1.71	--	--	--	--	--	--	--	E.006
03...	1530	38.0	21	5.79	1.68	--	--	--	--	--	--	--	E.006
APR													
14...	1015	2.0	20	5.52	1.58	.71	1.72	20	.84	<.2	10.7	3.6	<.010
14...	1100	20.0	22	5.90	1.68	.71	1.89	20	.92	<.2	9.4	4.2	.011
14...	1115	30.0	22	5.90	1.79	--	--	--	--	--	--	--	.010
14...	1130	40.0	22	6.03	1.70	.72	1.69	21	.84	<.2	9.2	4.3	.016
MAY													
18...	1315	2.0	19	5.08	1.53	.70	1.56	20	.77	<.2	9.4	3.5	<.010
18...	1330	20.0	20	5.40	1.63	.66	1.64	21	.90	<.2	9.7	4.0	.022
18...	1345	30.0	21	5.50	1.71	--	--	--	--	--	--	--	.041
18...	1400	39.0	21	5.61	1.69	.78	1.67	21	1.00	<.2	9.4	4.5	.030
JUN													
22...	1315	2.0	18	4.86	1.49	.62	1.47	20	.73	<.2	8.8	3.2	<.010
22...	1330	20.0	19	5.07	1.54	.63	1.52	20	.78	<.2	9.2	3.3	E.007
22...	1345	30.0	21	5.62	1.71	--	--	--	--	--	--	--	.018
22...	1400	39.0	22	5.73	1.76	.73	1.71	21	1.07	<.2	9.8	4.4	.022
JUL													
20...	0900	2.0	19	5.16	1.47	.58	1.42	20	.66	<.2	8.7	3.3	E.005
20...	0915	20.0	20	5.37	1.56	.63	1.49	19	.82	<.2	9.3	3.8	.016
20...	0945	30.0	22	6.07	1.78	--	--	--	--	--	--	--	.011
20...	1000	40.0	--	--	--	--	--	--	--	--	--	--	.013
AUG													
23...	1230	2.0	20	5.41	1.52	--	--	--	--	--	--	--	<.010
23...	1245	20.0	19	5.38	1.47	--	--	--	--	--	--	--	<.010
23...	1300	30.0	21	5.81	1.66	--	--	--	--	--	--	--	<.010
23...	1330	39.0	22	5.87	1.67	--	--	--	--	--	--	--	<.010
30...	0845	40.0	21	5.52	1.64	--	--	--	--	--	--	--	E.009

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.

## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473900116453000 COEUR D'ALENE LAKE 1.3 MILES SE OF TUBBS HILL NEAR COEUR D'ALENE, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Nitrite + nitrate water fltrd, as N (00631)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phyto-plankton, ug/L (62360)	Chlorophyll a phyto-plankton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)
OCT													
22...	<.016	--	<.006	E.004	.05	--	--	--	--	.8	1.7	--	.17
22...	.035	--	<.006	.005	.07	--	--	--	--	--	--	--	.27
22...	.068	--	<.006	.004	.15	--	--	--	--	--	--	--	.31
22...	.073	--	<.006	E.004	.11	--	--	--	--	--	--	--	.28
DEC													
02...	.026	--	<.006	E.004	.09	--	--	--	--	.6	.9	--	.20
02...	.025	--	<.006	E.003	.10	--	--	--	--	--	--	--	.21
02...	.024	--	<.006	.006	.10	--	--	--	--	--	--	--	.20
02...	.024	--	<.006	E.004	.11	--	--	--	--	--	--	<2	.20
FEB													
03...	.027	--	<.006	.004	.09	--	--	--	--	1.1	2.1	--	.20
03...	.026	--	<.006	E.004	.11	--	--	--	--	--	--	--	.17
03...	.027	--	<.006	.004	.11	--	--	--	--	--	--	--	.18
03...	.028	--	<.006	.004	.16	--	--	--	--	--	--	<2	.20
APR													
14...	.035	--	<.006	.009	.15	--	--	--	1.6	1.2	2.5	--	.26
14...	.025	--	<.006	.006	.15	--	--	--	--	--	--	--	.24
14...	E.012	--	<.006	E.003	.09	--	--	--	--	--	--	--	.23
14...	.018	--	<.006	.005	.18	--	--	--	--	--	--	<2	.24
MAY													
18...	<.016	--	<.006	.007	.10	--	--	--	1.2	1.9	2.7	--	.23
18...	.034	--	<.006	E.004	.16	--	--	--	1.3	--	--	--	.23
18...	.044	--	<.006	E.003	.16	--	--	--	--	--	--	--	.25
18...	.050	--	<.006	.005	.17	--	--	--	1.3	--	--	--	.25
JUN													
22...	<.016	--	<.006	.004	.12	--	--	--	1.4	1.6	2.6	--	.21
22...	E.012	--	<.006	.004	.13	--	--	--	1.4	--	--	--	.24
22...	.053	--	<.006	E.004	.16	--	--	--	--	--	--	--	.25
22...	.060	--	<.006	.006	.20	--	--	--	1.4	--	--	<2	.27
JUL													
20...	<.016	--	<.006	.008	.06	--	--	--	1.5	.6	1.1	--	.20
20...	.023	--	<.006	.005	.14	--	--	--	1.5	--	--	--	.24
20...	.071	--	<.006	E.003	.14	--	--	--	--	--	--	--	.25
20...	.085	--	<.006	.004	.18	--	--	--	1.5	--	--	--	--
AUG													
23...	<.016	--	<.006	.011	.07	--	--	--	--	.3	1.1	--	.24
23...	<.016	--	<.006	E.004	.07	--	--	--	--	--	--	--	.15
23...	.089	--	<.006	E.003	.15	--	--	--	--	--	--	--	.27
23...	.110	--	<.006	.005	.19	--	--	--	--	--	--	<2	.30
30...	.115	.06	E.004	.028	.28	1.0	<.1	1.0	1.7	--	--	<2	.50

ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473900116453000 COEUR D'ALENE LAKE 1.3 MILES SE OF TUBBS HILL NEAR COEUR D'ALENE, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Cadmium water, unfltrd ug/L (01027)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)
OCT									
22...	.17	<6	7	<.08	.27	E.2	2	43.6	46
22...	.30	E4	10	E.08	.52	.5	4	74.3	81
22...	.30	8	20	.09	.50	.3	5	77.6	84
22...	.32	7	20	.09	.54	.5	6	77.6	84
DEC									
02...	.23	<6	10	<.08	.37	E.1	4	59.4	60
02...	.24	E3	10	E.05	.57	E.1	4	61.0	64
02...	.24	E4	10	E.06	.51	E.2	4	61.3	62
02...	.23	E3	10	<.08	.39	E.1	4	60.5	63
FEB									
03...	.20	<6	10	E.06	.43	.2	3	57.7	59
03...	.21	<6	10	E.05	.41	E.2	3	56.0	59
03...	.22	E3	10	E.05	.41	E.2	3	57.4	61
03...	.22	<6	20	<.08	.51	.2	4	58.8	61
APR									
14...	.29	18	100	.49	3.11	.9	11	59.0	64
14...	.25	E5	40	.16	1.14	E.1	4	74.3	74
14...	.22	E5	20	E.07	.50	<.2	2	70.3	69
14...	.24	<6	20	.11	.53	E.2	2	75.3	73
MAY									
18...	.26	9	40	.23	1.26	.2	5	49.7	57
18...	.25	E6	40	.14	1.38	E.1	5	64.4	67
18...	.26	E4	30	.14	.86	E.1	2	--	83
18...	.27	7	30	.12	.81	E.2	3	79.5	79
JUN									
22...	--	E4	--	E.06	--	.4	--	49.5	--
22...	.26	E6	40	.09	.79	E.1	5	59.4	59
22...	.28	8	30	.12	.83	E.1	4	72.7	71
22...	.30	E6	30	.12	.88	.3	4	87.2	83
JUL									
20...	.20	<6	10	E.05	.37	1.1	3	42.4	45
20...	.27	E3	20	<.08	.49	.2	2	63.1	66
20...	.29	E4	20	E.06	.55	E.2	3	72.2	74
20...	--	--	--	--	--	--	--	--	--
AUG									
23...	.26	<6	10	E.05	.27	.3	2	32.8	34
23...	.18	<6	10	E.06	.35	.4	2	70.0	71
23...	.27	E4	20	E.06	.39	E.1	2	75.1	79
23...	.33	<6	20	E.06	.47	.3	4	90.7	93
30...	.83	E4	610	1.30	47.6	59.4	191	85.6	138

< Less than  
E Estimated value

Date	Time	Depth at sample locat- ion, feet (81903)	Temper- ature, air, deg C (00020)	Inci- dent light intnsty 400- 700 nm, uE/m2/s (00200)	Light attenu- ation coeffi- cient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Trans- parency Secchi disc, meters (00078)
OCT							
22...	1405	130.0	20.0	1060	.29	13	8.70
DEC							
02...	1300	134.0	1.0	350	.28	13	8.40
FEB							
03...	1425	128.0	--	126	.28	13	6.20
APR							
14...	0945	134.0	12.0	580	.48	8.0	2.20
MAY							
18...	1250	130.0	22.0	1520	.39	11	3.40
JUN							
22...	1245	130.0	30.0	1800	--	11	4.70
JUL							
20...	0830	138.0	20.0	1100	.31	14	8.40
AUG							
23...	1200	130.0	17.0	490	.20	15	--



## ANALYSES OF SAMPLES COLLECTED AT COEUR D'ALENE LAKE SITES

473900116453000 COEUR D'ALENE LAKE 1.3 MILES SE OF TUBBS HILL NEAR COEUR D'ALENE, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
OCT								
22...	1410	1.0	14.2	50	7.2	9.4	99	703
22...	1411	5.0	14.0	50	7.2	9.3	98	703
22...	1412	10.0	13.8	49	7.0	9.1	95	703
22...	1413	15.0	12.0	49	6.7	8.3	84	703
22...	1414	20.0	7.8	48	6.3	7.4	67	703
22...	1415	25.0	7.2	48	6.3	7.3	66	703
22...	1416	30.0	6.9	48	6.2	7.2	64	703
22...	1417	35.0	6.8	47	6.2	7.2	64	703
DEC								
02...	1305	1.0	6.7	49	7.4	10.1	88	713
02...	1306	5.0	6.7	49	7.2	10.1	88	713
02...	1307	10.0	6.7	49	7.2	10.0	87	713
02...	1308	20.0	6.7	48	7.2	9.9	87	713
02...	1309	30.0	6.7	47	7.2	9.8	86	713
02...	1310	38.0	6.7	47	7.1	9.8	86	713
FEB								
03...	1430	1.0	3.2	51	--	11.2	91	700
03...	1431	5.0	3.2	51	--	11.3	92	700
03...	1432	10.0	3.2	51	--	11.3	92	700
03...	1433	20.0	3.2	51	--	11.3	92	700
03...	1434	30.0	3.2	51	--	11.3	92	700
03...	1435	38.0	3.2	51	--	11.3	92	700
APR								
14...	0950	1.0	9.6	55	7.4	11.4	108	703
14...	0951	3.0	9.5	55	7.4	11.4	108	703
14...	0952	5.0	9.3	55	7.4	11.4	108	703
14...	0953	7.0	9.2	55	7.4	11.3	107	703
14...	0954	10.0	7.8	57	7.4	11.6	106	703
14...	0955	15.0	6.0	58	7.3	11.7	102	703
14...	0956	20.0	5.3	57	7.3	11.7	100	703
14...	0957	30.0	4.5	57	7.2	11.6	97	703
14...	0958	35.0	4.4	57	7.2	11.4	95	703
14...	0959	39.0	4.3	57	7.0	11.1	93	703
MAY								
18...	1255	.10	14.2	51	7.7	10.7	114	700
18...	1256	1.0	12.8	52	7.7	10.8	111	700
18...	1257	3.0	12.5	52	7.6	11.0	112	700
18...	1258	5.0	12.4	51	7.6	11.0	112	700
18...	1259	7.0	12.2	51	7.5	10.7	109	700
18...	1300	9.0	11.6	51	7.4	10.6	106	700
18...	1301	11.0	11.3	50	7.2	10.6	105	700
18...	1302	15.0	9.4	51	7.0	10.5	100	700
18...	1303	20.0	6.6	53	6.8	10.6	94	700
18...	1304	30.0	5.0	55	6.7	10.7	91	700
JUN								
22...	1250	.10	17.5	47	7.3	10.4	118	706
22...	1251	1.0	17.3	47	7.2	10.2	115	706
22...	1252	3.0	17.1	47	7.2	10.5	118	706
22...	1253	5.0	16.1	47	7.2	10.6	116	706
22...	1254	7.0	13.1	46	7.3	11.3	116	706
22...	1255	9.0	12.5	46	7.2	11.4	116	706
22...	1256	11.0	12.2	46	7.0	11.0	111	706
22...	1257	15.0	11.6	46	6.9	10.1	100	706
22...	1258	20.0	10.5	47	6.8	10.0	97	706
22...	1259	30.0	6.4	51	6.6	10.2	89	706
22...	1300	35.0	5.6	51	6.6	10.2	88	706
22...	1301	40.0	5.6	52	6.4	9.4	81	706
JUL								
20...	0835	3.0	22.4	51	7.1	8.0	99	708
20...	0836	5.0	22.4	51	7.2	8.0	99	708
20...	0837	7.0	22.4	51	7.1	8.0	99	708
20...	0838	9.0	22.0	50	7.1	8.1	100	708
20...	0839	11.0	16.6	50	7.2	9.7	107	708
20...	0840	13.0	13.9	50	7.1	10.1	105	708
20...	0841	15.0	11.9	50	6.9	9.6	96	708
20...	0842	20.0	9.8	51	6.7	9.0	85	708
20...	0843	30.0	6.2	55	6.5	9.1	79	708
20...	0844	35.0	6.0	55	6.4	9.1	79	708
AUG								
23...	1205	1.0	22.4	42	7.6	8.2	103	700
23...	1206	3.0	22.4	42	7.5	8.2	103	700
23...	1207	5.0	22.4	42	7.5	8.1	102	700
23...	1208	7.0	22.4	42	7.5	8.1	102	700
23...	1209	9.0	22.4	41	7.5	8.0	101	700
23...	1210	11.0	22.4	41	7.5	7.9	99	700
23...	1211	15.0	16.7	40	7.8	10.1	113	700
23...	1212	20.0	10.5	41	7.3	8.8	86	700
23...	1213	30.0	6.5	44	7.0	8.8	78	700
23...	1214	35.0	6.1	44	6.9	8.6	75	700
23...	1215	40.0	6.0	45	6.7	7.9	69	700