

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS

MISCELLANEOUS STATION ANALYSES

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unfl lab, uS/cm 25 degC (90095)	Specific conductance, wat unfl lab, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)												
JUL 2004 28...	1300	Environmental	3.3	741	9.7	108	8.4	8.3	798	814	24.0	8.5
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)												
JUL 2004 27...	1130	Environmental	23	748	9.4	106	8.2	8.2	344	357	21.5	20.1
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)												
AUG 2004 14...	1400	Environmental	1.3	757	10.7	109	8.2	8.1	527	541	21.5	16.2
	1406	Replicate	--	--	--	--	--	8.2	491	--	--	--
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)												
AUG 2004 15...	1230	Environmental	9.3	747	9.1	94	7.8	E7.8	309	361	20.0	16.7
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)												
SEP 2004 03...	1130	Environmental	14	743	10.1	107	7.7	8.1	502	552	--	18.0
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)												
SEP 2004 03...	0830	Environmental	6.4	745	9.8	94	7.9	8.1	494	528	--	13.6
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)												
SEP 2004 02...	1300	Environmental	7.5	--	10.0	105	7.8	8.2	549	598	--	18.2
	1302	Blank	--	--	--	--	--	E7.7	<3	--	--	--
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)												
SEP 2004 03...	1040	Environmental	E.50	735	7.3	80	8.0	8.1	492	455	23.5	19.5

WATER QUALITY DATA

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	117	36.0	3.16	8.55	156	190	28.2	.4	27.5	44.4	516	1.2	1.2
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	37.2	19.2	4.50	6.90	157	192	13.2	<.2	12.1	4.6	219	.87	.89
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	69.6 71.4	33.5 33.5	1.39 1.42	2.45 2.46	276 --	337 --	4.69 4.93	<.2 <.2	15.8 15.8	12.8 13.3	284 298	.27 .27	.44 .45
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	51.2	15.9	2.93	4.38	172	210	9.87	<.2	21.5	7.2	249	1.6	1.6
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	68.0	31.2	1.27	3.65	265	318	7.32	<.2	19.0	10.5	340	.14	.19
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	68.7	31.3	1.03	2.53	274	334	5.16	<.2	15.7	10.3	327	E.09	.16
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	92.0 .06	25.8 E.004	1.65 <.16	4.19 .11	282 --	344 --	8.11 <.20	<.2 <.2	18.4 E.04	15.7 <.2	307 <10	.17 <.10	.19 <.10
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	59.1	28.6	6.15	9.74	231	282	25.4	.3	20.3	16.3	336	1.8	1.9

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)	1,4-Di- chloro- benzene water, fltrd, ug/L (34572)	1- Methyl- naphth- alene, water, fltrd, ug/L (62054)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	2,6-Di- methyl- naphth- alene, water, fltrd, ug/L (62055)	2-[(2- Ethyl- 6methyl phenyl) amino]2 oxoESA ug/L (62850)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	<.04	14.8	.017	.15	.172	.195	E4	7.9	<.5	<.5	<.006	<.5	.65
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.04	.09	<.008	.04	.065	.092	41	23.0	<.5	<.5	<.006	<.5	<.02
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	E.03 E.03	1.43 1.47	E.007 E.007	.03 .03	.035 .035	.110 .112	E6 6	37.5 37.3	<.5 <.5	<.5 <.5	<.006 <.006	<.5 <.5	<.02 <.02
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	.08	.21	.017	.18	.22	.23	46	45.0	--	--	<.006	--	<.02
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.04	2.69	.064	<.02	.013	.055	E4	45.1	<.5	<.5	<.006	<.5	<.02
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.04	1.11	.032	<.02	.018	.072	9	22.7	<.5	<.5	<.006	<.5	<.02
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	<.04 <.04	5.00 <.06	.016 <.008	.04 <.02	.059 <.004	.068 <.004	<6 <6	10.6 <.8	<.5 <.5	<.5 <.5	<.006 <.006	<.5 <.5	<.02 <.02
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	E.02	.37	.014	.16	.20	.27	14	313	<.5	<.5	<.006	<.5	.10

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	CIAT, water, fltrd, ug/L (04040)	2- Methyl- naphth- alene, water, fltrd, ug/L (62056)	3-beta- Copros- tanol, water, fltrd, ug/L (62057)	3- Methyl- 1H- indole, water, fltrd, ug/L (62058)	3-tert- Butyl- 4-hy- droxy- anisole wat flt ug/L (62059)	4- Cumyl- phenol, water, fltrd, ug/L (62060)	4- Octyl- phenol, water, fltrd, ug/L (62061)	4- Nonyl- phenol, water, fltrd, ug/L (62085)	4-tert- Octyl- phenol, water, fltrd, ug/L (62062)	5-Meth- yl-1H- benzo- tri- azole, wat flt ug/L (62063)	9,10- Anthra- quinone water, fltrd, ug/L (62066)	Aceto- chlor ESA, water, fltrd 0.7u GF ug/L (61029)	Aceto- chlor OA, water, fltrd 0.7u GF ug/L (61030)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	E.021	<.5	<2	<1	<5	<1	<1	E3	<1	<2	<.5	1.89	.34
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	E.017	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	.08	.11
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14...	E.016	<.5	<2	M	<5	<1	<1	E1	<1	<2	<.5	<.02	<.02
14...	E.017	<.5	<2	M	<5	<1	<1	E2	M	<2	<.5	<.02	<.02
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	E.014	--	--	--	--	--	--	--	--	--	--	.77	.53
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	E.049	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.02	<.02
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	E.019	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.02	<.02
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02...	E.064	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.02	<.02
02...	<.006	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.02	<.02
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	E.040	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	.66	.50

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Aceto- chlor SAA, water, fltrd, ug/L (62847)	Aceto- chlor, water, fltrd, ug/L (49260)	Aceto- phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Ala- chlor ESA SA, water, fltrd, ug/L (62849)	Ala- chlor ESA, water, fltrd 0.7u GF ug/L (50009)	Ala- chlor OA, water, fltrd 0.7u GF ug/L (61031)	Ala- chlor SAA, water, fltrd, ug/L (62848)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	alpha- HCH-d6, surrog, wat flt 0.7u GF percent recovery (91065)	Anthra- cene, water, fltrd, ug/L (34221)	Atra- zine, water, fltrd, ug/L (39632)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	<.02	.011	<.5	M	.02	.21	.04	<.02	<.005	<.005	93.4	<.5	.193
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.02	.008	<.5	<.5	<.02	<.02	.02	<.02	<.005	<.005	92.7	<.5	.185
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	<.02 <.02	<.010 <.006	<.5 <.5	<.5 M	<.02 <.02	<.02 <.02	<.02 <.02	<.02 <.02	<.005 <.005	<.005 <.005	84.6 87.5	<.5 <.5	.025 .026
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	<.02	<.006	--	--	<.02	.19	.04	<.02	<.005	<.005	90.8	--	.069
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.02	<.006	<.5	<.5	<.02	.12	<.02	<.02	<.005	<.005	87.9	<.5	.087
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.02	<.006	<.5	<.5	<.02	<.02	<.02	<.02	<.005	<.005	86.6	<.5	.039
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	<.02 <.02	<.006 <.006	<.5 <.5	<.5 <.5	<.02 <.02	.14 <.02	<.02 <.02	<.02 <.02	<.005 <.005	<.005 <.005	90.9 94.3	<.5 <.5	.084 <.007
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.02	<.006	<.5	<.5	.04	.49	.12	<.02	<.005	<.005	119	<.5	E.456

WATER QUALITY DATA

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Azin-phos-methyl, water, fltrd 0.7u GF (82686) ug/L	Ben-flur-alin, water, fltrd 0.7u GF (82673) ug/L	Benzo-[a]-pyrene, water, fltrd, (34248) ug/L	Benzo-phenone water, fltrd, (62067) ug/L	beta-Sitos-terol, water, fltrd, (62068) ug/L	beta-Stigma-stanol, water, fltrd, (62086) ug/L	Bisphe-nol A, water, fltrd, (62069) ug/L	Bisphen-ol A-d3 sur Sch 2033 & 8033, wat flt pct rcv (99583)	Broma-cil, water, fltrd, (04029) ug/L	Butyl-ate, water, fltrd, (04028) ug/L	Caf-feine, water, fltrd, (50305) ug/L	Caffe-ine-13C sur Sch 2033 & 8033, wat flt pct rcv (99584)	Camphor water, fltrd, (62070) ug/L
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	<.050	<.010	<.5	M	<20	<20	<1	82.2	<.5	<.004	E.1	98.4	<.5
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.050	<.010	<.5	<.5	<20	<20	<1	123	<.5	<.004	M	102	<.5
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	<.050 <.050	<.010 <.010	<.5 <.5	E.1 E.1	<2 <2	<2 <2	M <1	82.6 93.0	<.5 <.5	<.004 <.004	<.5 M	60.9 90.8	<.5 M
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	<.050	<.010	--	--	--	--	--	--	--	<.004	--	--	--
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.050	<.010	<.5	<.5	<2	<2	<1	58.7	<.5	<.004	<.5	74.0	<.5
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.050	<.010	<.5	<.5	<2	<2	<1	60.9	<.5	<.004	<.5	82.3	<.5
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	<.050 <.050	<.010 <.010	<.5 <.5	<.5 <.5	<2 <2	<2 <2	<1 <1	39.0 .0	<.5 <.5	<.004 <.004	<.5 <.5	80.1 79.8	<.5 <.5
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.050	<.010	<.5	<.5	<2	<2	<1	95.5	<.5	<.004	<.5	83.4	<.5

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF (82680)	Carbazole, water, fltrd, ug/L (62071)	Carbofuran, water, fltrd 0.7u GF (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	cis-Permethrin water fltrd 0.7u GF (82687)	Cotinine, water, fltrd, ug/L (62005)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	DecaF-biphenyl sur Sch 2033 & 8033, wat flt pct rcv (99585)	DEET, water, fltrd, ug/L (62082)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	<.041	<.5	<.020	<.005	<20	<.006	<1.00	<.018	<.003	61.5	E.4	<.012	<.005
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.041	<.5	<.020	<.005	<20	<.006	<1.00	<.018	<.003	58.4	E.1	<.012	<.005
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	<.041 <.041	<.5 <.5	<.020 <.020	E.003 <.005	M <2	<.006 <.006	<1.00 <1.00	<.018 <.018	<.003 <.003	28.0 40.2	E.1 E.4	<.012 <.012	<.005 <.005
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	<.041	--	<.020	<.005	--	<.006	--	<.018	<.003	--	--	<.012	<.005
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.041	<.5	<.020	<.005	<2	<.006	<1.00	<.018	<.003	35.4	<.5	<.012	<.005
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.041	<.5	<.020	<.005	<2	<.006	<1.00	<.018	<.003	36.4	<.5	<.012	<.005
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	<.041 <.041	<.5 <.5	<.020 <.020	<.005 <.005	<2 <2	<.006 <.006	<1.00 <1.00	<.018 <.018	<.003 <.003	29.5 34.0	<.5 E.1	<.012 <.012	<.005 <.005
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.041	<.5	<.033	<.005	<2	<.006	<1.00	<.018	<.003	33.8	E.4	<.012	<.005

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Diazi- non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diel- drin, water, fltrd, ug/L (39381)	Di- ethoxy- nonyl- phenol, water, fltrd, ug/L (62083)	Di- ethoxy- octyl- phenol, water, fltrd, ug/L (61705)	Dimeth- enamid ESA, water, fltrd, ug/L (61951)	Dimeth- enamid OA, water, fltrd, ug/L (62482)	Dimeth- enamid water, fltrd, ug/L (61588)	Disul- foton, water, fltrd, 0.7u GF ug/L (82677)	D-Limo- nene, water, fltrd, ug/L (62073)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd, 0.7u GF ug/L (82663)	Etho- prop, water, fltrd, 0.7u GF ug/L (82672)	Ethoxy- octyl- phenol, water, fltrd, ug/L (61706)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	110	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.010	<.009	<.005	<1
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	111	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.004	<.009	<.005	<1
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14...	105	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.015	<.009	<.005	<1
14...	107	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.004	<.009	<.005	<1
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	113	<.009	--	--	.10	<.02	<.02	<.02	--	<.004	<.009	<.005	--
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	105	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.004	<.009	<.005	<1
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	94.9	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.004	<.009	<.005	<1
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02...	113	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.004	<.009	<.005	<1
02...	116	<.009	<5	<1	<.02	<.02	<.02	<.02	<.5	<.004	<.009	<.005	<1
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	154	<.024	<5	<1	<.02	<.02	<.02	<.02	<.5	<.013	<.009	<.005	<1

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltred, ug/L (62167)	Fipro- nil sulfone water, fltred, ug/L (62168)	Fipro- nil, water, fltred, ug/L (62166)	Flufen- acet ESA, water, fltred, ug/L (61952)	Flufe- nacet OA, water, fltred, ug/L (62483)	Flufe- nacet, water, fltred, ug/L (62481)	Fluor- anthene water, fltred, ug/L (34377)	Fluor- anthene -d10, sur Sch 20/8033 wat flt pct rcv (99586)	Fonofos water, fltred, ug/L (04095)	HHCB, water, fltred, ug/L (62075)	Indole, water, fltred, ug/L (62076)	Isobor- neol, water, fltred, ug/L (62077)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.5	95.1	<.003	M	<.5	<.5
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.5	92.1	<.003	<.5	<.5	<.5
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	<.029 <.029	<.013 <.013	<.024 <.024	<.016 <.016	<.02 <.02	<.02 <.02	<.02 <.02	<.5 <.5	58.0 90.1	<.003 <.003	<.5 M	<.5 <.5	<.5 <.5
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	<.029	<.013	<.024	<.016	<.02	<.02	<.02	--	--	<.003	--	--	--
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.5	82.5	<.003	<.5	<.5	<.5
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.5	83.0	<.003	<.5	<.5	<.5
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	<.029 <.029	<.013 <.013	<.024 <.024	<.016 <.016	<.02 <.02	<.02 <.02	<.02 <.02	<.5 <.5	81.5 79.1	<.003 <.003	<.5 <.5	<.5 <.5	<.5 <.5
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.5	75.1	<.003	<.5	<.5	<.5

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quinoline, water, fltrd, ug/L (62079)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF (82666)	Malathion, water, fltrd, ug/L (39532)	Menthol water, fltrd, ug/L (62080)	Metaxyl, water, fltrd, ug/L (50359)	Methyl parathion, water, fltrd 0.7u GF (82667)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor ESA, water, fltrd 0.7u GF (61043)	Metolachlor OA, water, fltrd 0.7u GF (61044)	Metolachlor, water, fltrd, ug/L (39415)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	M	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	<.5	1.10	.31	.088
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.5	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	<.5	.13	.06	.017
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14...	M	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	<.5	<.02	<.02	<.013
AUG 2004 14...	M	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	M	<.02	<.02	<.013
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	--	--	--	<.004	<.035	<.027	--	--	<.015	--	.48	.11	E.013
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.5	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	<.5	.02	<.02	<.013
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.5	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	<.5	<.02	<.02	<.013
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02...	<.5	<.5	<.5	<.004	<.035	<.064	<.5	<.5	<.015	<.5	.37	.02	<.013
SEP 2004 02...	<.5	<.5	<.5	<.004	<.035	<.027	<.5	<.5	<.015	<.5	<.02	<.02	<.013
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.5	<.5	<.5	<.004	<.035	<.088	<.5	<.5	<.015	<.5	1.56	.68	<.021

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd, 0.7u GF (82671)	Naphth- alene, water, fltrd, ug/L (34443)	Naprop- amide, water, fltrd, 0.7u GF (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	p- Cresol, water, fltrd, ug/L (62084)	Peb- ulate, water, fltrd, 0.7u GF (82669)	Pendi- meth- alin, water, fltrd, 0.7u GF (82683)	Penta- chloro- phenol, water, fltrd, ug/L (34459)	Phenan- threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Phorate water fltrd 0.7u GF (82664)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	<.006	<.003	<.5	<.007	<.003	<.010	M	<.004	<.022	<2	<.5	E.5	<.011
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.006	<.003	<.5	<.007	<.003	<.010	<1	<.004	<.022	<2	<.5	E.4	<.011
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14...	<.006	<.003	<.5	<.007	<.003	<.010	<1	<.004	<.022	<2	<.5	E.1	<.011
AUG 2004 14...	<.006	<.003	<.5	<.007	<.003	<.010	M	<.004	<.022	<2	<.5	E.3	<.011
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	<.006	<.003	--	<.007	<.003	<.010	--	<.004	<.022	--	--	--	<.011
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.006	<.003	<.5	<.007	<.003	<.010	<1	<.004	<.022	<2	<.5	<.5	<.011
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.006	<.003	<.5	<.007	<.003	<.010	<1	<.004	<.022	<2	<.5	<.6	<.011
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02...	<.006	<.003	<.5	<.007	<.112	<.010	<1	<.004	<.022	<2	<.5	<.5	<.011
SEP 2004 02...	<.006	<.003	<.5	<.007	<.003	<.010	<1	<.004	<.022	<2	<.5	<.7	<.011
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.006	<.003	<.5	<.007	<.222	<.010	<1	<.004	<.022	<2	<.5	<.5	<.011

WATER QUALITY DATA

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Prometon, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd, 0.7u GF (82676)	Propa-chlor ESA, water, fltrd, 0.7u GF (62766)	Propa-chlor OA, water, fltrd, 0.7u GF (62767)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd, 0.7u GF (82679)	Propar-gite, water, fltrd, 0.7u GF (82685)	Pyrene, water, fltrd, ug/L (34470)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd, 0.7u GF (82670)	Terba-cil, water, fltrd, 0.7u GF (82665)	Terbu-fos, water, fltrd, 0.7u GF (82675)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)													
JUL 2004 28...	.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)													
JUL 2004 27...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	.015	<.02	<.034	<.02	<.5
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)													
AUG 2004 14... 14...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5
AUG 2004 15...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)													
AUG 2004 15...	.01	<.004	<.05	<.02	<.025	<.011	<.02	--	<.005	<.02	<.034	<.02	--
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)													
SEP 2004 03...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.010	<.02	<.034	<.02	<.5
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)													
SEP 2004 03...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)													
SEP 2004 02... 02...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5
SEP 2004 03...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)													
SEP 2004 03...	<.01	<.004	<.05	<.02	<.025	<.011	<.02	<.5	<.005	<.02	<.034	<.02	<.5

LANDSCAPE INDICATOR STUDY FOR PESTICIDES AND NUTRIENTS—CONTINUED

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- bromo- methane water, fltrd, ug/L (34288)	Tri- butyl phos- phate, water, fltrd, ug/L (62089)	Triclo- san, water, fltrd, ug/L (62090)	Tri- ethyl citrate water, fltrd, ug/L (62091)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Tri- phenyl phos- phate, water, fltrd, ug/L (62092)	Tris(2- butoxy- ethyl) phos- phate, wat flt ug/L (62093)	Tris(2- chloro- ethyl) phos- phate, wat flt ug/L (62087)	Tris(di- chloro- i-Pr) phos- phate, wat flt ug/L (62088)
05329898 SILVER CREEK NEAR EAST UNION, MN (LAT 44 41 29N LONG 093 44 14W)											
JUL 2004 28...	<.010	<.002	<.5	E.1	<1	<.5	<.009	<.5	<.5	M	<.5
05339721 RUSH CREEK ABOVE MOUTH NEAR RUSH CITY, MN (LAT 45 39 22N LONG 092 53 25W)											
JUL 2004 27...	<.010	<.002	<.5	<.5	<1	<.5	<.009	<.5	<.5	<.5	<.5
05377550 DEERING VALLEY CREEK NEAR WHITMAN, MN (LAT 44 08 03N LONG 091 47 19W)											
AUG 2004 14...	<.010	<.002	<.5	E.1	<1	<.5	<.009	E.1	E.3	E.1	<.5
14...	<.010	<.002	<.5	E.1	<1	<.5	<.009	E.1	E.2	E.1	<.5
05351400 DEVIL CREEK NEAR MORRISTOWN, MN (LAT 44 15 15N LONG 093 28 04W)											
AUG 2004 15...	<.010	<.002	--	--	--	--	<.009	--	--	--	--
05355307 WELLS CREEK NEAR BELVIDERE MILLS, MN (LAT 44 27 28N LONG 092 28 38W)											
SEP 2004 03...	<.010	<.002	<.5	<.5	<1	<.5	<.009	<.5	<.5	<.5	<.5
05377508 TROUT CREEK NEAR WEAVER, MN (LAT 44 12 02N LONG 091 56 40W)											
SEP 2004 03...	<.010	<.002	<.5	<.5	<1	<.5	<.009	<.5	<.5	<.5	<.5
05384110 DUSCHEE CREEK ABOVE LANESBORO, MN (LAT 43 41 58N LONG 091 59 24W)											
SEP 2004 02...	<.010	<.002	<.5	<.5	<1	<.5	<.009	<.5	<.5	<.5	<.5
02...	<.010	<.002	<.5	<.5	<1	<.5	<.009	<.5	<.5	<.5	<.5
05325580 CHERRY CREEK NEAR OTTAWA, MN (LAT 44 21 28N LONG 093 54 32W)											
SEP 2004 03...	<.010	<.002	<.5	E.1	<1	<.5	<.009	<.5	<.5	<.5	<.5

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