											403M		410M	
Station	Collno	Date	Time	Flow	Temp	PH	DO	Cond	Alkalinity	Acidity	pH-3.9		ALK-3.9	
				cfs	C		mg/l		mg/l	mg/l			mg/l	
D14	6823600	20031110	1205	0.0484	4.6	2.8	9.55	3030	0	578	3.1		0	
D13	6823601	20031110	1225	0.0151	2.3	2.7	8.21	3000	0	560	3		0	
D12	6823602	20031110	1235	0.0169	5.6	2.65	7.95	3130	0	470	3		0	
D11	6823603	20031110	1300	0.0167	4.3	3.3	9.21	988	0	146	3.7		0	
D10	6823604	20031110	1330	0.0484	4.8	2.7	7.67	2490	0	438	3.1		0	
D9	6823605	20031110	1340	0.044	5.3	3	7.4	1710	0	220	3.4		0	
M5	6823606	20031110	1405	10.559	5.3	3.6	7.85	307	0	40	4		1.6	
J1	6823607	20031110	1435	1.931	5.8	4.3	7.17	191	0	20	4.7		6.6	
M4	6823608	20031110	1445	8.604	5.6	3.5	6.89	334	0	47	3.9		0.4	
D8	6823609	20031110	1505	0.0484	4	3.15	7.6	1070	0	112	3.5		0	
D7	6823610	20031110	1520	0.145	7.1	3.65	7.3	571	0	88	4		2	
M8	6823611	20031111	900	24.696	4.8	4.5	7.08	261	0	28	4.6		6.2	
M8	6823612	20031111	915	24.696	4.8	4.5	7.08	261	0	28	4.6		6.2	
M0.5	6823613	20031111	1100	0.181	4.8	3.3	7.28	1033	0	76	3.8		0	
D2	6823614	20031111	1210	0.146	6.7	3.2	6.48	416	0	114	3.8		0	
D3	6823615	20031111	1310	1.369	5.9	5	6.83	495	2	32	4.6		6.8	
C1	6823616	20031111	1500	4.772	7.8	6.8	6.29	137	16	4	7		25	
A1	6823617	20031112	845	5.069	8.8	5.2	6.7	162	2	10	5.8		7.8	
A1	6823618	20031112	900	5.069	8.8	5.2	6.7	162	2	10	5.9		7.8	
M6	6823619	20031112	915	14.035	8.1	3.4	7.28	465	0	58	3.9		0.2	
D4	6823621	20031112	1330	0.49	9.5	3	5.75	644	0	122	3.6		0	
M2	6823622	20031112	1430	4.882	9.2	3.6	5.65	318	0	34	4.2		4.2	
D6	6823623	20031112	1545	0.397	10.5	3	5.37	596	0	70	3.5		0	
D5	6823624	20031113	900	0.526	8.8	3.2	3.11	1483	0	370	3.6		0	
D5	6823625	20031113	915	0.526	8.8	3.2	3.11	1483	0	370	3.6		0	
M1	6823626	20031113	1030	4.378	6.2	3.9	10.25	340	0	24	4.5		5.6	
M3	6823627	20031113	1115	7.005	5.6	3.2	10.02	701	0	110	3.7		0	
M7	6823628	20031113	1240	23.278	6.1	3.5	11.32	358	0	42	4.1		3.4	
C1	6823629	20040322	945	4.343	0.4	6.9	9.93	148	10	2	6.8		16.6	
C1	6823630	20040322	1000	4.343	0.4	6.9	9.93	148	10	2	6.8		16	
M7	6823631	20040322	1040	44.053	1.9	3.95	9.03	268	0	20	4.3		5	
D3	6823632	20040322	1125	2.725	3.1	4.5	7.49	445	0	12	4.8		7.2	
M0.5	6823633	20040322	1240	0.145	0.9	3.7	7.56	738	0	30	4		2.2	
D2	6823634	20040322	1320	0.425	6.2	3.4	6.43	345	0	54	3.8		0	
D6	6823635	20040322	1400	1.24	4.5	3.5	6.38	382	0	26	4		0.8	
M1	6823636	20040322	1430	10.495	4.1	4.05	6.44	269	0	10	4.5		6.2	

Station	Collno	Date	Time	Flow	Temp	PH	DO	Cond	Alkalinity	Acidity	pH-3.9		ALK-3.9	
				cfs	C		mg/l		mg/l	mg/l			mg/l	
D4	6823637	20040323	815	0.596	3.5	3.5	7.47	641	0	70	3.8		0	
D5	6823638	20040323	830	0.551	6.2	3.2	6.29	1416	0	234	3.5		0	
D5	6823639	20040323	845	0.551	6.2	3.2	6.29	1416	0	234	3.5		0	
M2	6823640	20040323	915	5.932	0.9	3.8	6.58	282	0	16	4.4		5.6	
M3	6823641	20040323	1000	14.058	2.6	3.3	6.78	514	0	48	3.8		0	
A1	6823642	20040323	1110	9.937	3	5.1	7.5	152	2	4	5.3		7.6	
M6	6823643	20040323	1145	29.563	3.1	3.6	8.22	311	0	28	4.2		3.6	
M8	6823644	20040323	1310	58.092	4.9	4.2	8.45	219	0	14	4.7		6.8	
D14	6823645	20040324	900	0.0484	1.5	2.7	6.42	2310	0	286	3.2		0	
D13	6823646	20040324	915	0.0123	0.1	2.5	7.74	2250	0	270	3.1		0	
D12	6823647	20040324	930	0.024	1.1	2.7	7.76	2370	0	248	3.2		0	
D11	6823648	20040324	950	0.0408	3.2	3.25	7.41	645	0	42	3.9		0	
D11	6823649	20040324	1005	0.0408	3.2	3.25	7.41	645	0	42	3.9		0	
D10	6823650	20040324	1015	0.0763	3.9	2.6	7.49	1840	0	192	3.2		0	
D9	6823651	20040324	1030	0.216	2.1	2.8	7.29	1179	0	94	3.5		0	
M5	6823652	20040324	1050	22.077	3.9	3.5	9.89	283	0	24	4.1		3.4	
J1	6823653	20040324	1115	3.656	3.3	4.25	6.65	175	0	14	4.7		7.2	
M4	6823654	20040324	1130	17.003	4.5	3.4	6.97	310	0	30	4		1.8	
D7	6823655	20040324	1145	0.216	2.8	3.45	7.28	449	0	54	4.1		3.4	
D8	6823656	20040324	1200	0.0932	4.5	3.1	7.62	797	0	60	3.6		0	
M1	6823657	20040524	1145	7.911	17.8	3.8	6.53	221	0	12	4.5		5.6	
M1	6823658	20040524	1200	7.911	17.8	3.8	6.53	221	0	12	4.5		5.8	
D4	6823659	20040524	1220	0.43	16.5	3.05	6.99	723	0	76	3.7		0	
M2	6823660	20040524	1320	9.136	20.2	3.6	7.57	255	0	16	4.4		5.2	
M3	6823661	20040524	1420	20.205	17.2	3.1	7.27	953	0	134	3.7		0	
D6	6823662	20040524	1500	0.397	18.2	2.8	6.88	506	0	48	3.6		0	
D3	6823663	20040524	1535	1.394	21.9	3.6	5.83	403	0	18	4.5		5.8	
M0.5	6823664	20040525	800	0.218	14.8	2.8	7.99	899	0	48	3.7		0	
M0.5	6823665	20040525	815	0.218	14.8	2.8	7.99	899	0	48	3.7		0	
D2	6823666	20040525	915	0.227	12.4	2.8	7.46	349	0	66	3.8		0	
D5	6823667	20040525	1040	<1.067	9.7	2.55	3.94	879	0	198	3.2		0	
A1	6823668	20040525	1150	5.373	14.5	4.7	8.54	164	2	4	5.6		7.8	
M6	6823669	20040525	1245	16.509	15.5	3.2	7.29	381	0	36	3.9		0	
M7	6823670	20040525	1410	28.192	16.1	3.3	7.62	316	0	26	4		2.4	
C1	6823671	20040525	1440	1.12	14.4	6.3	7.59	121	12	6	7		22	
M8	6823672	20040526	800	39.505	15.2	3.9	7.84	232	0	18	4.4		6.8	
M8	6823673	20040526	815	39.505	15.2	3.9	7.84	232	0	18	4.4		6.8	

Station	Collno	Date	Time	Flow	Temp	PH	DO	Cond	Alkalinity	Acidity	pH-3.9		ALK-3.9	
				cfs	C		mg/l		mg/l	mg/l			mg/l	
D9	6823674	20040526	1007	0.022	16.9	2.6	6.31	1501	0	174	3.2		0	
D10	6823675	20040526	1025	0.0613	17.1	2.45	6.24	2030	0	264	3.1		0	
D11	6823676	20040526	1055	0.00875	13.9	3.1	6.08	849	0	78	3.7		0	
D13	6823677	20040526	1135	0.00617	18.4	2.3	7.03	2580	0	438	2.9		0	
D14	6823678	20040526	1145	0.0932	16.3	2.4	7.39	2610	0	390	3		0	
D12	6823679	20040526	1205	NA	18.6	2.4	7.71	2450	0	294	3		0	
J1	6823680	20040526	1350	2.513	12.7	3.5	6.31	229	0	22	4.4		6	
M5	6823681	20040526	1400	16.165	17.9	3.4	7.72	244	0	28	4		3.4	
M4	6823682	20040526	1415	12.028	17.3	3.3	7.81	248	0	32	4		2.6	
D7	6823683	20040527	925	0.0138	14.6	3.9	5.78	412	0	60	3.9		0.2	
D8	6823684	20040527	930	0.0763	15.5	2.7	5.9	933	0	96	3.4		0	
C1	6823685	20040907	1030	1.076	15.8	6.75	7.47	175	28	10	7.4		35.8	
C1	6823686	20040907	1045	1.076	15.8	6.75	7.47	175	28	10	7.4		35.8	
M7	6823687	20040907	1100	7.031	16.3	3.6	7.6	446	0	36	3.9		0	
A1	6823688	20040907	1200	0.931	17.1	6.05	7.32	228	2	8	6		8.4	
M6	6823689	20040907	1230	5.158	17	3.55	7.26	520	0	52	3.7		0	
D3	6823690	20040907	1315	0.624	18.1	4.5	6.42	609	0	44	4.6		7	
D6	6823691	20040907	1405	0.22	16.7	3.3	7.33	627	0	56	3.5		0	
D2	6823692	20040907	1435	0.229	16.6	3.5	7.12	375	0	68	3.6		0	
M0.5	6823693	20040907	1520	0.443	18.5	3.4	6.77	1071	0	82	3.5		0	
M1	6823694	20040908	805	1.83	18.2	4.9	6.51	322	4	22	4.8		7.2	
M1	6823695	20040908	820	1.83	18.2	4.9	6.51	322	4	22	4.8		7	
D4	6823696	20040908	835	0.181	15.7	3.35	7.34	714	0	102	3.4		0	
M2	6823697	20040908	910	2.368	19	4.1	5.73	324	0	24	4.4		5.4	
D5	6823698	20040908	955	<0.463	10.8	3.4	2.91	1258	0	264	3.4		0	
M3	6823699	20040908	1025	2.665	17.9	3.5	6.61	587	0	72	3.7		0	
M8	6823700	20040908	1210	7.579	17.4	4.1	7.5	384	0	38	4.2		4.2	
M4	6823701	20040908	1345	3.731	16.8	3.55	7.37	434	0	50	3.7		0	
J1	6823702	20040908	1400	0.714	16.2	4.15	7.69	248	0	24	4.4		5.2	
D8	6823703	20040908	1415	0.0198	17.4	3.2	5.86	1462	0	234	3.3		0	
D7	6823704	20040908	1430	0.000966	16.4	3.7	5.28	688	0	156	3.8		0	
M5	6823705	20040908	1445	4.445	16.8	3.6	7.43	412	0	54	3.7		0	
D13	6823706	20040927	1045	0.00398	13.3	3	8.36	2500	0	536	3		0	
D13	6823707	20040927	1100	0.00398	13.3	3	8.36	2500	0	536	3		0	
D14	6823708	20040927	1115	0.0277	12.9	3.05	7.66	2370	0	494	3.1		0	
D12	6823709	20040927	1145	0.00756	14.4	3	6.9	2430	0	450	3		0	
D11	6823710	20040927	1215	0.0184	14.1	2.6	6.92	3850	0	710	2.6		0	
D10	6823711	20040927	1325	0.00537	15	2.85	7.18	2270	0	422	3		0	
D9	6823712	20040927	1400	0.00421	13.4	3.3	5.48	1290	0	258	3.3		0	

	530A		916Z		927Z		945M		1045Z		1055Z		1105Z		70508
Station	TSS		Ca - tot		Mag - to		Sulfate		FE- total		Man - to		Al - total		Acid - hot
	mg/l		mg/l		mg/l		mg/l		ug/l		ug/l		ug/l		mg/l
D14	10		249		157		1752.7		15700		91900		32900		422
D13	8		0.12		0.1	k	1840		300	k	50	k	500	k	415.4
D12	4		279		155		1902.8		27400		82500		14400		443.6
D11	3	k	60.3		44.6		468.1		507		21800		4600		138.4
D10	4		174		132		1402.8		12100		75700		15400		383
D9	3	k	117		92.4		963.2		4850		52300		9990		261.8
M5	3	k	12.5		10.6		113.6		1230		2360		1750		36.8
J1	3	k	11		7.92		64.9		300	k	2120		912		39.8
M4	3	k	13.8		12.3		109.4		1580		2640		2170		36.6
D8	3	k	71.5		57.5		545		1920		30800		4990		142.8
D7	4		29.4		27		273.8		300	k	14100		6110		97.8
M8	3	k	15.9		11.9		106.2		550		3610		1590		62.2
M8	3	k	15.5		11.5		99.8		533		3500		1540		58.6
M0.5	3	k	70.9		70.5		547.7		1340		17100		3550		84
D2	3	k	15.5		15.3		163.6		835		5280		7170		84.2
D3	3	k	26.6		22.9		205.2		6260		4590		500	k	49.6
C1	3	k	10.8		4.53		45.3		300	k	50	k	500	k	0
A1	3	k	8.9		5.95		51.7		300	k	1420		500	k	19.8
A1	3	k	9.41		6.29		49.8		300	k	1510		514		20.4
M6	3	k	25.9		20.5		189.6		1300		6830		3040		47.6
D4	3	k	28.1		30.2		267.9		1600		7130		8390		86.2
M2	3	k	15		13.1		105.2		719		3010		1370		42.4
D6	3	k	28.7		23.8		212.8		2100		7420		2010		53
D5	16		107		112		739.5		66000		17300		4160		187.8
D5	14		113		119		806.7		69800		18300		4340		193.6
M1	6		17.5		15.1		124.3		1280		3330		703		36.2
M3	12		37.9		36		331.4		13700		6630		2630		70.8
M7	10		19.8		15.6		130.7		732		5050		2180		48.8
C1	3	k	8.42		3.4		37		300	k	50	k	500	k	0.2
C1	3	k	7.75		3.25		40.6		300	k	50	k	500	k	-2
M7	3	k	14.1		9.92		118.4		719		2980		1350		41.4
D3	3	k	18.8		11.5		128.6		2060		2000		500	k	26.8
M0.5	3	k	51.3		44.3		353.2		463		10400		2410		74.8
D2	3	k	12.9		11.4		123.8		330		3650		5040		47
D6	3	k	18		13.6		176.4		762		4310		1560		90.4
M1	3	k	12.1		8.16		94.7		529		1740		625		43.6

Station	TSS		Ca - tot		Mag - to		Sulfate		FE- total		Man - to		Al - total		Acid - hot
	mg/l		mg/l		mg/l		mg/l		ug/l		ug/l		ug/l		mg/l
D4	3	k	28.5		28.6		271.6		1370		6020		7290		75.4
D5	3	k	101		96.4		799.5		56100		16000		2070		180.6
D5	3	k	98.6		94		852.7		55000		15700		2080		178.4
M2	3	k	12.7		9.83		97		598		2050		1320		47.8
M3	4		25.8		22.6		221.1		8800		4210		2110		62
A1	3	k	8.29		5.5		48.1		300	k	1090		500	k	17.4
M6	3	k	15.5		11.9		120.2		1010		3390		1950		37.6
M8	3	k	11.2		7.96		77.4		502		2110		1100		47
D14	4		205		168		1516.2		14900		72800		23200		288.4
D13	4		222		172		1431.6		17100		76100		21200		290.2
D12	10		257		169		1493.8		21400		70300		17300		281.6
D11	4		52.7		34.2		306.6		300	k	16600		2800		73
D11	3	k	51.2		33.2		286.5		300	k	16100		2800		71.4
D10	3	k	174		116		1096.6		7170		70600		14800		214.4
D9	3	k	103		69.4		638.3		2540		41500		7690		133.4
M5	3	k	15.3		11.6		98		1980		2440		1880		31.8
J1	3	k	12.2		8.16		79.1		300	k	1830		1060		35
M4	3	k	13.5		12		112.9		2010		2290		2020		37
D7	3	k	31.9		26.1		234.3		300	k	11500		5410		62.4
D8	3	k	63.9		45.4		394.7		789		22600		3270		76.6
M1	3	k	11.5		8.98		77.2		624		1950		500	k	63.8
M1	3	k	10.8		8.47		81		590		1840		500	k	70.4
D4	6		38.8		41.2		346.3		1070		8200		8030		87
M2	3	k	12.3		10.3		94.3		557		2200		940		68
M3	12		63.5		60.9		471.5		33300		10500		2910		122
D6	3	k	26.7		21.3		195.6		3010		6690		1750		52.2
D3	4		21		16.6		145.6		2240		3360		500	k	37.2
M0.5	8		55.5		51.6		426		1080		12100		2370		52.2
M0.5	3	k	56.4		52.4		424		1070		12300		2350		56.4
D2	3	k	11.7		11.8		135.8		512		3600		5490		95
D5	8		34.8		32.7		377.5		20900		5710		8980		159.6
A1	4		8.76		5.75		48.3		300	k	1440		500	k	41.2
M6	3	k	19		15.2		159.4		932		4470		2100		46.8
M7	3	k	15.9		12.4		126.1		535		3700		1550		69
C1	3	k	9		3.83		40.3		300	k	50	k	500	k	**-0.8**
M8	3	k	14.4		10.5		88.6		426		2950		1250		73.8
M8	3	k	13.3		9.72		98.4		366		2750		1130		72.4

Station	TSS		Ca - tot		Mag - to		Sulfate		FE- total		Man - to		Al - total		Acid - hot
	mg/l		mg/l		mg/l		mg/l		ug/l		ug/l		ug/l		mg/l
D9	8		123		90.2		810.4		6630		52800		8130		197.2
D10	12		187		133		1180.2		12200		78400		14800		223.8
D11	6		75.6		56.2		511.2		515		23700		5290		101.2
D13	24		225		182		1907		18900		90000		27700		344
D14	14		237		185		1728.7		12600		89200		31500		367.2
D12	16		240		170		1451.9		16800		76200		16700		295.2
J1	6		15.1		11.1		110.8		300	k	3620		1340		62
M5	8		11.3		9.46		101.6		772		2150		1700		79.6
M4	4		11.8		10.3		92		1070		2180		1980		63.6
D7	3	k	24.8		21.4		191.2		300	k	10800		4580		67.8
D8	3	k	67		50.6		456.3		2080		27100		3910		105
C1	2	k	15.5		5.71		35.2		57		10		200	k	-19
C1	4		15.2		5.71		38.5		43		10	k	200	k	-19.8
M7	2	k	26.1		20.9		171.7		755		6160		2170		72.2
A1	2	k	15.7		10		81.9		278		2050		226		7.2
M6	2	k	29.4		24.1		201.5		1810		6810		2670		56.2
D3	6		39.4		35.1		234.4		6650		7050		452		49.8
D6	2	k	33.3		26.6		213.4		3300		7440		1420		51.4
D2	2		13.1		13.5		127.4		1520		4150		4680		83.4
M0.5	2		68.6		68.4		481.9		3840		17700		1970		62
M1	16		19		16.6		122.9		1530		3630		333		51.4
M1	38		19.1		16.8		124.8		1540		3690		338		47.8
D4	8		29.7		31.6		335.6		2690		7980		7430		84.8
M2	2	k	17.6		16.1		131.3		1090		3540		830		59
D5	6		73.2		68.5		601.6		46600		12900		8750		179.6
M3	2	k	30.6		28.7		251.9		7910		5510		2340		61.8
M8	10		24.4		18.5		148.1		515		5160		1760		75.6
M4	2	k	19.9		20		150.2		1450		4020		2260		48.4
J1	8		15.7		12.4		101.3		459		3970		877		67.8
D8	2		117		92		789.2		5050		57100		6050		121.2
D7	2	k	40.4		37.4		351.4		363		25000		7400		119.4
M5	4		20.2		19.2		147		1300		3880		2010		45.4
D13	18		210.383		173.207		1263.4		14703		76283		21073		351.8
D13	2	k	210.909		173.849		1340.8		14053		76549		21161		319
D14	12		192.809		166.623		1296.6		8470		68848		21065		287.6
D12	24		210.302		165.293		1299.4		9558		76247		21918		293.2
D11	6		346.116		255.018		1823.5		47654		92691		6590		449
D10	2		201.362		143.743		1187.3		11568		86930		15639		266.2
D9	2	k	91.791		66.043		572.6		6367		39704		5894		180.2