

Appendix C. Water quality characteristics measured in water from various sites at Walter Walker State Wildlife Area. Characteristics were measured in a mobile laboratory at Grand Junction, Colorado (pH, conductivity, hardness, calcium, magnesium, alkalinity, and chloride) or at Yankton, South Dakota (sulfate, nitrate, nitrite, total suspended solids, volatile solids, and fixed solids).

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
pH	05/04/95	1	7.8	7.8	NS <sup>1</sup>	8.8	8.0	8.0	7.9	NS	7.9
	06/05/95	33	7.4	7.7	NS	7.9	7.8	7.9	8.0	NS	7.9
	07/11/95	69	8.2	8.2	NS	8.0	8.0	7.8	8.1	NS	7.8
	08/07/95	96	8.0	7.7	NS	8.2	8.1	8.0	8.0	NS	7.9
	09/11/95	131	8.0	7.5	NS	8.1	7.9	7.7	8.2	NS	8.0
	10/17/95	167	8.3	7.8	NS	8.1	8.2	8.1	8.2	NS	8.0
	11/13/95	194	8.4	7.7	NS	8.1	8.0	8.0	8.4	NS	8.2
	12/12/95	223	8.2	7.6	NS	7.8	7.8	7.7	8.0	NS	8.0
	01/10/96	252	8.2	7.4	NS	7.6	7.7	7.4	7.7	NS	8.0
	02/13/96	286	8.2	7.6	NS	7.8	7.8	7.7	8.0	NS	8.0
	03/11/96	313	8.3	7.8	NS	8.1	8.1	7.8	8.1	NS	7.8
	04/15/96	348	8.1	7.8	NS	8.2	8.2	8.2	NS	NS	8.0
	05/20/96	383	7.8	7.6	NS	7.8	7.9	7.8	NS	NS	7.8
	06/10/96	404	8.1	7.6	NS	7.8	7.8	7.8	NS	NS	7.9
	07/16/96	440	8.2	7.7	NS	8.1	8.1	8.2	8.3	NS	8.1
	08/13/96	468	8.0	7.6	NS	8.1	7.8	7.7	8.3	NS	8.3
	09/17/96	503	8.2	7.9	NS	NS	8.2	NS	8.8	8.4	NS
	10/16/96	532	8.3	8.1	NS	NS	8.0	NS	8.3	8.0	NS
	11/12/96	559	8.2	7.9	NS	NS	7.9	NS	7.9	7.9	NS
	12/09/96	586	7.8	7.6	7.5	NS	7.8	NS	7.8	7.8	NS
	01/06/97	614	8.3	8.0	7.6	NS	8.2	NS	8.2	8.2	NS
	02/10/97	649	8.2	8.0	7.8	NS	8.2	NS	8.3	8.2	NS
	03/12/97	679	7.9	8.0	7.9	NS	7.8	NS	7.9	7.9	NS
	04/15/97	713	7.7	7.7	7.6	NS	7.8	NS	7.6	7.8	NS
	05/20/97	748	8.0	8.0	8.0	NS	8.1	NS	8.1	8.0	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
pH											
	06/16/97	768	8.2	8.0	8.0	NS	8.3	NS	NS	8.1	NS
	07/14/97	796	8.2	8.3	7.9	NS	8.3	NS	8.1	8.1	NS
	08/11/97	824	8.3	8.3	8.7	NS	8.2	NS	7.9	8.0	NS
	09/15/97	859	8.2	8.2	8.3	NS	8.2	NS	8.2	8.1	NS
	10/14/97	888	8.2	8.4	8.1	NS	8.4	NS	8.4	8.3	NS
	11/12/97	917	8.1	8.0	7.9	NS	8.0	NS	8.0	7.9	NS
	12/15/97	950	8.5	8.3	8.2	NS	8.2	NS	8.2	8.2	NS
	01/12/98	978	8.4	8.3	7.6	NS	8.2	NS	8.3	8.0	NS
	02/17/98	1,014	8.4	8.3	8.2	NS	8.2	NS	8.1	8.3	NS
	03/17/98	1,042	8.3	8.3	8.4	NS	8.3	NS	8.0	8.2	NS
	04/14/98	1,070	8.2	8.2	8.2	NS	8.2	NS	8.1	8.1	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	8.3	8.3	8.2	NS	8.3	NS	NS	8.2	NS
	07/13/98	1,160	8.3	8.2	7.8	NS	8.1	NS	7.7	8.0	NS
	08/17/98	1,195	8.6	8.4	8.4	NS	8.4	NS	7.8	8.8	NS
	09/14/98	1,223	8.1	8.1	8.1	NS	8.1	NS	8.0	8.3	NS
Conductivity <sup>2</sup> (µmhos/cm)											
	05/04/95	1	540	10,810	NS	11,070	10,430	10,290	3,400	NS	1,260
	06/05/95	33	350	1,180	NS	680	450	390	360	NS	380
	07/11/95	69	270	410	NS	340	350	280	270	NS	270
	08/07/95	96	510	8,980	NS	5,810	7,550	4,660	2,240	NS	1,010
	09/11/95	131	930	11,120	NS	6,700	6,990	5,880	6,930	NS	4,930
	10/17/95	167	880	9,760	NS	7,260	7,160	6,090	5,970	NS	5,710
	11/13/95	194	800	6,830	NS	7,710	4,370	6,680	4,800	NS	2,080
	12/12/95	223	820	8,300	NS	8,680	7,180	7,030	7,570	NS	5,530
	01/10/96	252	920	7,090	NS	9,300	8,460	7,390	7,520	NS	910
	02/13/96	286	880	10,530	NS	9,450	6,800	7,070	7,520	NS	7,280
	03/11/96	313	920	7,720	NS	8,620	7,350	7,290	8,330	NS	5,450

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Conductivity <sup>2</sup> (µmhos/cm)											
	04/15/96	348	560	8,790	NS	8,570	6,770	6,170	NS	NS	1,480
	05/20/96	383	280	1,190	NS	820	830	340	NS	NS	340
	06/10/96	404	350	2,420	NS	2,560	1,590	700	NS	NS	820
	07/16/96	440	610	7,580	NS	3,920	3,950	4,050	2,800	NS	1,160
	08/13/96	468	1,090	12,780	NS	7,810	4,320	4,990	7,660	NS	9,210
	09/17/96	503	1,040	12,780	NS	NS	3,610	NS	6,270	5,880	NS
	10/16/96	532	1,050	11,210	NS	NS	4,780	NS	5,900	6,190	NS
	11/12/96	559	960	11,840	NS	NS	4,960	NS	6,190	6,020	NS
	12/09/96	586	990	1,270	11,630	NS	1,070	NS	1,230	1,060	NS
	01/06/97	614	920	2,040	11,040	NS	930	NS	1,120	1,120	NS
	02/10/97	649	870	1,830	11,240	NS	910	NS	920	900	NS
	03/12/97	679	770	930	11,020	NS	770	NS	900	940	NS
	04/15/97	713	650	1,110	11,180	NS	720	NS	780	730	NS
	05/20/97	748	390	300	390	NS	320	NS	350	330	NS
	06/16/97	768	310	580	580	NS	380	NS	NS	330	NS
	07/14/97	796	560	580	6,960	NS	580	NS	530	600	NS
	08/11/97	824	690	690	7,870	NS	690	NS	800	800	NS
	09/15/97	859	820	820	7,940	NS	810	NS	810	880	NS
	10/14/97	888	660	660	6,880	NS	720	NS	700	740	NS
	11/12/97	917	780	780	1,520	NS	780	NS	920	1,080	NS
	12/15/97	950	760	740	920	NS	740	NS	740	760	NS
	01/12/98	978	710	880	5,800	NS	910	NS	1,080	1,810	NS
	02/17/98	1,014	840	830	1,600	NS	840	NS	990	840	NS
	03/17/98	1,042	750	890	2,360	NS	830	NS	1,150	920	NS
	04/14/98	1,070	610	910	4,850	NS	760	NS	840	930	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	380	370	1,800	NS	490	NS	NS	500	NS

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Conductivity <sup>2</sup> (µmhos/cm)											
	07/13/98	1,160	560	560	2,540	NS	550	NS	560	670	NS
	08/17/98	1,195	920	920	970	NS	940	NS	1,050	1,270	NS
	09/14/98	1,223	910	910	1,060	NS	1,020	NS	1,060	1,290	NS
Hardness (mg/L as CaCO <sub>3</sub> )											
	05/04/95	1	192	3,300	NS	3,160	2,960	2,900	940	NS	362
	06/05/95	33	138	410	NS	210	154	144	138	NS	148
	07/11/95	69	104	130	NS	124	109	106	104	NS	106
	08/07/95	96	178	2,460	NS	1,500	1,950	1,280	620	NS	308
	09/11/95	131	342	3,680	NS	1,800	1,740	1,520	1,700	NS	770
	10/17/95	167	316	2,700	NS	1,920	1,860	1,560	1,610	NS	1,610
	11/13/95	194	276	2,500	NS	2,260	1,760	1,800	1,260	NS	996
	12/12/95	223	260	3,060	NS	2,500	2,080	2,060	2,140	NS	1,940
	01/10/96	252	256	1,820	NS	2,600	1,980	2,440	1,960	NS	256
	02/13/96	286	272	3,380	NS	2,660	1,900	2,000	2,160	NS	2,140
	03/11/96	313	272	2,520	NS	2,500	2,160	2,040	2,240	NS	1,940
	04/15/96	348	186	2,800	NS	2,360	1,860	1,740	NS	NS	490
	05/20/96	383	98	368	NS	250	240	120	NS	NS	120
	06/10/96	404	124	870	NS	690	448	216	NS	NS	252
	07/16/96	440	216	2,280	NS	1,030	1,060	1,090	730	NS	648
	08/13/96	468	360	4,180	NS	2,000	1,120	1,310	1,990	NS	2,520
	09/17/96	503	370	3,660	NS	NS	908	NS	1,500	1,450	NS
	10/16/96	532	350	2,970	NS	NS	1,270	NS	1,500	1,570	NS
	11/12/96	559	310	3,320	NS	NS	1,430	NS	1,690	1,700	NS
	12/09/96	586	294	470	3,350	NS	318	NS	336	326	NS
	01/06/97	614	290	446	3,010	NS	306	NS	316	316	NS
	02/10/97	649	260	370	3,710	NS	300	NS	280	292	NS
	03/12/97	679	240	288	3,650	NS	252	NS	272	266	NS
	04/15/97	713	218	312	3,190	NS	236	NS	242	248	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Hardness (mg/L as CaCO <sub>3</sub> )											
	05/20/97	748	126	130	130	NS	124	NS	130	128	NS
	06/16/97	768	116	178	190	NS	134	NS	NS	118	NS
	07/14/97	796	190	192	1,970	NS	202	NS	194	202	NS
	08/11/97	824	258	268	2,080	NS	278	NS	272	286	NS
	09/15/97	859	322	326	2,190	NS	326	NS	324	328	NS
	10/14/97	888	266	272	2,190	NS	274	NS	276	292	NS
	11/12/97	917	276	274	460	NS	296	NS	318	350	NS
	12/15/97	950	266	280	294	NS	276	NS	280	284	NS
	01/12/98	978	258	284	1,550	NS	276	NS	312	548	NS
	02/17/98	1,014	254	260	460	NS	270	NS	296	320	NS
	03/17/98	1,042	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/14/98	1,070	226	248	812	NS	268	NS	272	288	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	192	196	322	NS	194	NS	NS	210	NS
	07/13/98	1,160	224	228	660	NS	230	NS	224	240	NS
	08/17/98	1,195	330	330	342	NS	332	NS	348	396	NS
	09/14/98	1,223	376	378	400	NS	388	NS	372	564	NS
Calcium (mg/L)											
	05/04/95	1	51	392	NS	264	272	272	140	NS	73
	06/05/95	33	35	85	NS	53	44	41	40	NS	40
	07/11/95	69	31	36	NS	34	32	31	32	NS	32
	08/07/95	96	50	301	NS	189	221	176	112	NS	69
	09/11/95	131	94	448	NS	212	208	180	204	NS	128
	10/17/95	167	82	344	NS	244	224	184	196	NS	200
	11/13/95	194	74	332	NS	280	216	216	168	NS	142
	12/12/95	223	70	408	NS	308	256	256	264	NS	244
	01/10/96	252	66	264	NS	332	264	312	244	NS	68
	02/13/96	286	72	440	NS	336	244	244	264	NS	264

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Calcium (mg/L)											
	03/11/96	313	72	340	NS	300	244	236	264	NS	237
	04/15/96	348	51	340	NS	264	216	204	NS	NS	85
	05/20/96	383	32	72	NS	54	52	34	NS	NS	35
	06/10/96	404	36	128	NS	110	37	50	NS	NS	56
	07/16/96	440	61	272	NS	144	152	149	110	NS	105
	08/13/96	468	99	508	NS	240	152	170	208	NS	276
	09/17/96	503	101	360	NS	NS	117	NS	147	155	NS
	10/16/96	532	94	312	NS	NS	150	NS	171	173	NS
	11/12/96	559	83	400	NS	NS	181	NS	210	206	NS
	12/09/96	586	78	103	416	NS	82	NS	84	82	NS
	01/06/97	614	77	98	384	NS	78	NS	78	80	NS
	02/10/97	649	70	85	468	NS	71	NS	70	73	NS
	03/12/97	679	65	67	424	NS	68	NS	70	70	NS
	04/15/97	713	58	68	344	NS	61	NS	61	62	NS
	05/20/97	748	40	38	39	NS	40	NS	44	39	NS
	06/16/97	768	34	45	49	NS	37	NS	NS	34	NS
	07/14/97	796	54	54	240	NS	56	NS	54	56	NS
	08/11/97	824	73	74	172	NS	75	NS	72	76	NS
	09/15/97	859	87	88	190	NS	89	NS	88	90	NS
	10/14/97	888	72	73	237	NS	73	NS	74	76	NS
	11/12/97	917	72	74	92	NS	80	NS	78	82	NS
	12/15/97	950	70	72	74	NS	73	NS	73	74	NS
	01/12/98	978	70	74	216	NS	71	NS	78	110	NS
	02/17/98	1,014	67	69	88	NS	70	NS	74	75	NS
	03/17/98	1,042	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/14/98	1,070	61	62	110	NS	65	NS	66	68	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	52	56	67	NS	58	NS	NS	60	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Calcium (mg/L)											
	07/13/98	1,160	63	64	99	NS	64	NS	63	65	NS
	08/17/98	1,195	88	89	84	NS	88	NS	88	94	NS
	09/14/98	1,223	104	104	104	NS	106	NS	94	125	NS
Magnesium (mg/L)											
	05/04/95	1	16	564	NS	608	554	540	143	NS	44
	06/05/95	33	12	48	NS	19	11	10	9	NS	12
	07/11/95	69	7	10	NS	9	7	7	6	NS	6
	08/07/95	96	13	415	NS	250	340	204	83	NS	33
	09/11/95	131	26	622	NS	309	297	260	289	NS	109
	10/17/95	167	27	447	NS	318	316	267	272	NS	270
	11/13/95	194	22	406	NS	379	297	306	204	NS	156
	12/12/95	223	21	496	NS	421	350	345	360	NS	323
	01/10/96	252	22	282	NS	430	321	404	328	NS	21
	02/13/96	286	22	554	NS	442	314	338	365	NS	360
	03/11/96	313	22	406	NS	425	377	352	384	NS	328
	04/15/96	348	14	474	NS	413	321	299	NS	NS	68
	05/20/96	383	4	46	NS	28	27	9	NS	NS	8
	06/10/96	404	8	134	NS	101	86	22	NS	NS	27
	07/16/96	440	16	389	NS	163	165	175	111	NS	94
	08/13/96	468	27	707	NS	340	180	215	357	NS	445
	09/17/96	503	29	671	NS	NS	150	NS	275	258	NS
	10/16/96	532	28	532	NS	NS	217	NS	261	277	NS
	11/12/96	559	25	564	NS	NS	238	NS	283	288	NS
	12/09/96	586	24	52	562	NS	27	NS	31	29	NS
	01/06/97	614	24	49	498	NS	27	NS	30	28	NS
	02/10/97	649	21	38	617	NS	30	NS	25	27	NS
	03/12/97	679	19	29	630	NS	20	NS	23	22	NS
	04/15/97	713	18	35	566	NS	20	NS	22	22	NS

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Magnesium (mg/L)											
	05/20/97	748	6	8	8	NS	6	NS	5	7	NS
	06/16/97	768	8	16	17	NS	10	NS	NS	8	NS
	07/14/97	796	14	14	333	NS	15	NS	14	15	NS
	08/11/97	824	19	20	401	NS	22	NS	22	23	NS
	09/15/97	859	25	26	417	NS	25	NS	25	25	NS
	10/14/97	888	21	22	388	NS	22	NS	22	25	NS
	11/12/97	917	23	22	56	NS	23	NS	30	36	NS
	12/15/97	950	22	24	26	NS	23	NS	24	24	NS
	01/12/98	978	20	24	245	NS	24	NS	29	66	NS
	02/17/98	1,014	21	21	58	NS	23	NS	27	32	NS
	03/17/98	1,042	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/14/98	1,070	18	22	130	NS	26	NS	26	29	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	15	14	37	NS	12	NS	NS	15	NS
	07/13/98	1,160	16	17	100	NS	17	NS	16	19	NS
	08/17/98	1,195	27	26	32	NS	27	NS	31	39	NS
	09/14/98	1,223	28	29	34	NS	30	NS	34	61	NS
Alkalinity (mg/L as CaCO <sub>3</sub> )											
	05/04/95	1	120	480	NS	188	237	250	180	NS	140
	06/05/95	33	107	175	NS	125	112	107	105	NS	107
	07/11/95	69	81	90	NS	86	80	80	80	NS	80
	08/07/95	96	96	484	NS	245	298	256	184	NS	129
	09/11/95	131	149	616	NS	340	351	315	283	NS	195
	10/17/95	167	147	468	NS	340	328	313	300	NS	277
	11/13/95	194	132	444	NS	371	341	351	243	NS	217
	12/12/95	223	164	485	NS	396	369	385	361	NS	323
	01/10/96	252	134	351	NS	431	372	445	340	NS	132
	02/13/96	286	139	512	NS	417	335	375	347	NS	339



## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Alkalinity (mg/L as CaCO <sub>3</sub> )											
	03/11/96	313	140	386	NS	363	338	372	345	NS	311
	04/15/96	348	115	407	NS	307	289	299	NS	NS	149
	05/20/96	383	81	147	NS	115	112	84	NS	NS	84
	06/10/96	404	82	259	NS	220	171	120	NS	NS	132
	07/16/96	440	101	516	NS	315	307	286	172	NS	163
	08/13/96	468	150	637	NS	316	307	308	209	NS	201
	09/17/96	503	157	483	NS	NS	232	NS	204	192	NS
	10/16/96	532	148	425	NS	NS	265	NS	294	293	NS
	11/12/96	559	152	552	NS	NS	294	NS	311	296	NS
	12/09/96	586	146	177	580	NS	148	NS	154	151	NS
	01/06/97	614	119	167	511	NS	149	NS	151	153	NS
	02/10/97	649	135	157	588	NS	139	NS	138	141	NS
	03/12/97	679	132	140	516	NS	135	NS	146	138	NS
	04/15/97	713	128	136	382	NS	129	NS	135	134	NS
	05/20/97	748	92	95	93	NS	94	NS	92	96	NS
	06/16/97	768	80	121	136	NS	96	NS	NS	84	NS
	07/14/97	796	101	103	367	NS	105	NS	107	108	NS
	08/11/97	824	125	131	289	NS	133	NS	136	136	NS
	09/15/97	859	150	151	365	NS	151	NS	152	154	NS
	10/14/97	888	139	142	437	NS	142	NS	145	154	NS
	11/12/97	917	149	150	186	NS	154	NS	159	163	NS
	12/15/97	950	144	145	149	NS	144	NS	144	144	NS
	01/12/98	978	137	143	312	NS	140	NS	148	176	NS
	02/17/98	1,014	137	148	137	NS	164	NS	148	142	NS
	03/17/98	1,042	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/14/98	1,070	141	143	205	NS	146	NS	152	151	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	114	124	152	NS	124	NS	NS	128	NS

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Alkalinity (mg/L as CaCO <sub>3</sub> )											
	07/13/98	1,160	123	125	254	NS	127	NS	137	128	NS
	08/17/98	1,195	147	146	164	NS	142	NS	130	158	NS
	09/14/98	1,223	176	165	166	NS	169	NS	127	175	NS
Chloride (mg/L)											
	05/04/95	1	35	1,050	NS	1,200	1,120	1,140	306	NS	94
	06/05/95	33	16	94	NS	37	20	18	16	NS	17
	07/11/95	69	12	19	NS	18	14	13	13	NS	12
	08/07/95	96	36	870	NS	540	730	440	178	NS	77
	09/11/95	131	59	1,150	NS	630	620	540	620	NS	250
	10/17/95	167	63	810	NS	640	660	530	550	NS	540
	11/13/95	194	74	770	NS	780	600	640	450	NS	318
	12/12/95	223	76	920	NS	820	680	690	700	NS	630
	01/10/96	252	85	570	NS	820	630	760	630	NS	88
	02/13/96	286	104	1,000	NS	850	610	680	660	NS	640
	03/11/96	313	99	770	NS	850	710	700	720	NS	610
	04/15/96	348	38	890	NS	830	660	600	NS	NS	145
	05/20/96	383	16	91	NS	58	54	18	NS	NS	18
	06/10/96	404	22	260	NS	206	124	46	NS	NS	56
	07/16/96	440	56	760	NS	340	346	348	232	NS	195
	08/13/96	468	93	1,420	NS	730	408	448	694	NS	858
	09/17/96	503	87	1,370	NS	NS	360	NS	580	542	NS
	10/16/96	532	94	1,080	NS	NS	488	NS	552	568	NS
	11/12/96	559	106	1,120	NS	NS	506	NS	590	578	NS
	12/09/96	586	105	167	1,020	NS	113	NS	117	115	NS
	01/06/97	614	100	155	920	NS	108	NS	110	110	NS
	02/10/97	649	96	124	1,100	NS	97	NS	97	99	NS
	03/12/97	679	71	91	1,120	NS	82	NS	89	84	NS
	04/15/97	713	54	88	1,060	NS	58	NS	60	58	NS

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Chloride (mg/L)											
	05/20/97	748	17	18	18	NS	16	NS	16	16	NS
	06/16/97	768	19	33	35	NS	21	NS	NS	20	NS
	07/14/97	796	48	48	680	NS	49	NS	47	50	NS
	08/11/97	824	58	63	770	NS	65	NS	66	70	NS
	09/15/97	859	68	68	870	NS	68	NS	69	69	NS
	10/14/97	888	60	63	780	NS	63	NS	65	67	NS
	11/12/97	917	74	78	144	NS	87	NS	89	98	NS
	12/15/97	950	97	101	102	NS	99	NS	99	102	NS
	01/12/98	978	100	111	468	NS	110	NS	115	173	NS
	02/17/98	1,014	96	101	157	NS	100	NS	112	116	NS
	03/17/98	1,042	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/14/98	1,070	58	61	258	NS	73	NS	73	76	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	42	42	82	NS	41	NS	NS	44	NS
	07/13/98	1,160	50	54	105	NS	55	NS	52	58	NS
	08/17/98	1,195	93	120	103	NS	98	NS	114	119	NS
	09/14/98	1,223	89	88	93	NS	90	NS	102	142	NS
Sulfate (mg/L)											
	05/04/95	1	112	5,320	NS	5,880	5,280	5,240	148	NS	420
	06/05/95	33	57	454	NS	144	111	61	58	NS	71
	07/11/95	69	49	68	NS	64	51	51	52	NS	52
	08/07/95	96	113	4,210	NS	2,470	3,140	2,000	874	NS	343
	09/11/95	131	264	5,900	NS	3,060	3,060	2,690	3,150	NS	809
	10/17/95	167	246	4,370	NS	3,020	3,490	2,720	2,690	NS	2,780
	11/13/95	194	195	3,720	NS	3,470	2,790	3,330	2,150	NS	1,610
	12/12/95	223	185	4,930	NS	1,980	3,480	3,820	3,700	NS	3,450
	01/10/96	252	183	2,520	NS	3,920	3,120	4,080	3,540	NS	171
	02/13/96	286	194	5,020	NS	3,960	3,010	3,280	3,590	NS	3,450

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Sulfate (mg/L)											
	03/11/96	313	204	4,000	NS	3,990	3,570	3,630	4,120	NS	3,160
	04/15/96	348	108	4,610	NS	4,000	3,330	3,010	NS	NS	834
	05/20/96	383	42	439	NS	272	240	65	NS	NS	63
	06/10/96	404	64	1,130	NS	932	536	174	NS	NS	220
	07/16/96	440	148	3,580	NS	1,530	1,580	1,660	1,090	NS	887
	08/13/96	468	294	6,890	NS	3,360	1,860	2,150	3,610	NS	4,430
	09/17/96	503	287	6,380	NS	NS	1,740	NS	3,030	2,840	NS
	10/17/96	532	271	5,070	NS	NS	2,130	NS	2,700	2,810	NS
	11/12/96	559	213	5,590	NS	NS	2,180	NS	2,920	2,810	NS
	12/09/96	586	202	533	5,500	NS	229	NS	274	258	NS
	01/06/97	614	201	412	4,720	NS	230	NS	250	247	NS
	02/10/97	649	153	304	6,240	NS	167	NS	205	219	NS
	03/12/97	679	181	272	6,450	NS	195	NS	211	216	NS
	04/15/97	713	138	290	5,160	NS	160	NS	176	183	NS
	05/20/97	748	64	68	70	NS	63	NS	62	63	NS
	06/16/97	768	56	127	144	NS	76	NS	NS	57	NS
	07/14/97	796	117	118	3,310	NS	131	NS	128	132	NS
	08/10/97	824	177	191	4,100	NS	199	NS	195	220	NS
	09/15/97	859	255	254	4,100	NS	252	NS	256	264	NS
	10/14/97	888	182	190	3,720	NS	196	NS	195	221	NS
	11/12/97	917	185	194	540	NS	228	NS	269	315	NS
	12/15/97	950	168	200	213	NS	190	NS	192	208	NS
	01/12/98	978	168	209	2,200	NS	194	NS	260	629	NS
	02/17/98	1,014	178	189	523	NS	194	NS	238	272	NS
	03/17/98	1,042	192	231	946	NS	195	NS	287	223	NS
	04/14/98	1,070	151	183	1,050	NS	215	NS	207	259	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Sulfate (mg/L)											
	06/15/98	1,132	109	112	331	NS	114	NS	NS	46	NS
	07/13/98	1,160	155	156	920	NS	155	NS	168	170	NS
	08/17/98	1,195	243	246	278	NS	256	NS	338	379	NS
	09/14/98	1,223	364	351	411	NS	345	NS	406	641	NS
Nitrate (mg/L-N)											
	05/04/95	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/05/95	33	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/11/95	69	2.5	1.5	NS	1.7	2.5	2.5	2.4	NS	2.7
	08/07/95	96	0.3	6.1	NS	1.3	1.7	1.0	0.4	NS	0.3
	09/11/95	131	0.3	10.4	NS	<0.1 <sup>3</sup>	<0.1	0.1	<0.1	NS	0.2
	10/17/95	167	0.4	37.3	NS	1.4	1.0	1.2	0.9	NS	0.2
	11/13/95	194	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/95	223	0.2	20.7	NS	2.2	1.0	3.3	1.4	NS	0.7
	01/10/96	252	0.7	29.8	NS	7.4	4.3	9.2	5.9	NS	0.9
	02/13/96	286	0.4	37.7	NS	15.1	4.1	4.7	5.1	NS	2.8
	03/11/96	313	0.3	16.1	NS	12.8	1.4	1.5	2.2	NS	0.5
	04/15/96	348	0.4	16.6	NS	1.1	0.2	0.3	NS	NS	0.3
	05/20/96	383	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/96	404	0.2	0.1	NS	<0.1	<0.1	0.1	NS	NS	<0.1
	07/16/96	440	0.3	0.2	NS	0.1	0.1	0.2	0.1	NS	0.1
	08/13/96	468	0.7	0.4	NS	0.2	0.1	0.4	0.3	NS	0.5
	09/17/96	503	0.7	2.5	NS	NS	<0.1	NS	0.2	0.1	NS
	10/17/96	532	0.5	3.9	NS	NS	0.1	NS	1.0	0.2	NS
	11/12/96	559	0.5	11.7	NS	NS	0.2	NS	1.1	0.5	NS
	12/09/96	586	0.5	1.2	13.9	NS	0.6	NS	0.6	0.6	NS
	01/06/97	614	0.6	1.1	23.5	NS	0.7	NS	0.7	0.7	NS
	02/10/97	649	0.4	1.2	37.3	NS	0.5	NS	0.4	0.5	NS

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Nitrate (mg/L-N)											
	03/12/97	679	0.3	0.6	36.7	NS	0.4	NS	0.4	0.4	NS
	04/15/97	713	0.3	0.6	12.9	NS	0.3	NS	0.3	0.3	NS
	05/20/97	748	0.4	0.3	0.3	NS	0.3	NS	0.3	0.3	NS
	06/16/97	768	0.2	0.1	<0.1	NS	<0.1	NS	NS	0.2	NS
	07/14/97	796	0.3	0.3	0.2	NS	0.3	NS	0.2	0.3	NS
	08/11/97	824	0.5	0.5	0.2	NS	0.5	NS	0.3	0.4	NS
	09/15/97	859	0.6	0.6	0.5	NS	0.6	NS	0.4	0.5	NS
	10/14/97	888	0.4	0.4	1.2	NS	0.4	NS	0.3	0.4	NS
	11/12/97	917	0.4	0.4	1.0	NS	0.4	NS	0.4	0.5	NS
	12/15/97	950	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/98	978	0.4	0.7	14.1	NS	0.6	NS	0.7	0.9	NS
	02/17/98	1,014	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/17/98	1,042	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/14/98	1,070	0.4	0.5	0.7	NS	0.4	NS	0.4	0.5	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	0.4	0.5	0.4	NS	0.5	NS	NS	0.6	NS
	07/13/98	1,160	0.6	0.3	<0.1	NS	0.3	NS	0.2	0.4	NS
	08/17/98	1,195	0.5	0.5	0.2	NS	0.4	NS	<0.1	0.2	NS
	09/14/98	1,223	0.4	0.4	0.4	NS	0.4	NS	0.5	0.4	NS
Nitrite (mg/L-N)											
	05/04/95	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/05/95	33	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/11/95	69	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/95	96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/11/95	131	0.01	0.26	NS	0.02	<0.01	0.03	0.01	NS	<0.01
	10/17/95	167	0.01	0.13	NS	0.14	0.10	0.06	0.06	NS	0.02
	11/13/95	194	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/95	223	<0.01	0.06	NS	0.15	0.08	0.22	0.10	NS	0.06

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Nitrite (mg/L-N)											
	01/10/96	252	<0.01	0.07	NS	0.25	0.12	0.46	0.14	NS	<0.01
	02/13/96	286	0.01	0.18	NS	0.22	0.16	0.26	0.20	NS	0.16
	03/11/96	313	0.02	0.38	NS	0.24	0.12	0.11	0.15	NS	0.05
	04/15/96	348	0.01	0.21	NS	0.06	0.02	0.08	NS	NS	0.01
	05/20/96	383	0.02	0.03	NS	0.03	0.03	0.02	NS	NS	0.02
	06/10/96	404	<0.01	0.02	NS	<0.01	<0.01	<0.01	NS	NS	<0.01
	07/16/96	440	0.01	0.05	NS	0.02	0.02	0.02	<0.01	NS	<0.01
	08/13/96	468	0.01	0.09	NS	0.03	0.01	0.04	0.02	NS	0.04
	09/17/96	503	0.01	0.10	NS	NS	0.01	NS	0.02	0.01	NS
	10/17/96	532	0.02	0.33	NS	NS	0.02	NS	0.12	0.05	NS
	11/12/96	559	<0.01	0.37	NS	NS	0.04	NS	0.09	0.05	NS
	12/09/96	586	0.02	0.02	0.16	NS	0.01	NS	0.01	0.01	NS
	01/06/97	614	<0.01	0.02	0.10	NS	0.02	NS	0.02	0.02	NS
	02/10/97	649	0.02	0.02	0.03	NS	0.01	NS	0.01	<0.01	NS
	03/12/97	679	<0.01	0.01	0.10	NS	0.01	NS	0.01	0.01	NS
	04/15/97	713	0.01	0.02	0.17	NS	0.01	NS	0.01	0.01	NS
	05/20/97	748	0.01	<0.01	<0.01	NS	<0.01	NS	<0.01	<0.01	NS
	06/16/97	768	<0.01	0.01	<0.01	NS	<0.01	NS	NS	<0.01	NS
	07/14/97	796	<0.01	<0.01	0.02	NS	<0.01	NS	<0.01	<0.01	NS
	08/11/97	824	<0.01	<0.01	0.03	NS	<0.01	NS	0.02	0.02	NS
	09/15/97	859	0.01	<0.01	0.04	NS	<0.01	NS	<0.01	<0.01	NS
	10/14/97	888	<0.01	<0.01	0.18	NS	<0.01	NS	<0.01	<0.01	NS
	11/12/97	917	<0.01	<0.01	0.03	NS	<0.01	NS	<0.01	<0.01	NS
	12/15/97	950	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/98	978	<0.01	<0.01	0.09	NS	<0.01	NS	<0.01	<0.01	NS
	02/17/98	1,014	<0.01	<0.01	0.03	NS	<0.01	NS	<0.01	<0.01	NS
	03/17/98	1,042	<0.01	<0.01	0.03	NS	<0.01	NS	<0.01	<0.01	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Nitrite (mg/L-N)											
	04/14/98	1,070	<0.01	<0.01	0.04	NS	<0.01	NS	<0.01	<0.01	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	<0.01	<0.01	<0.01	NS	<0.01	NS	NS	<0.01	NS
	07/13/98	1,160	<0.01	<0.01	<0.01	NS	<0.01	NS	<0.01	<0.01	NS
	08/17/98	1,195	<0.01	<0.01	0.01	NS	<0.01	NS	<0.01	<0.01	NS
	09/14/98	1,223	0.02	0.01	0.02	NS	0.01	NS	<0.01	0.02	NS
Total suspended solids (mg/L)											
	05/04/95	1	540	10	NS	10	47	62	122	NS	238
	06/05/95	33	148	15	NS	41	53	74	73	NS	80
	07/11/95	69	156	32	NS	37	74	126	201	NS	138
	08/07/95	96	65	56	NS	108	125	108	66	NS	109
	09/11/95	131	127	22	NS	56	106	62	58	NS	24
	10/17/95	167	12	12	NS	72	50	31	85	NS	66
	11/13/95	194	29	23	NS	8	77	76	46	NS	37
	12/12/95	223	11	21	NS	45	227	173	7	NS	25
	01/10/96	252	17	20	NS	88	25	144	8	NS	11
	02/13/96	286	32	21	NS	36	61	68	11	NS	18
	03/11/96	313	99	47	NS	58	84	92	26	NS	58
	04/15/96	348	283	18	NS	55	40	73	NS	NS	145
	05/20/96	383	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/96	404	75	40	NS	76	78	45	NS	NS	108
	07/16/96	440	38	41	NS	33	82	118	77	NS	65
	08/13/96	468	51	22	NS	149	40	32	78	NS	162
	09/17/96	503	130	20	NS	NS	8	NS	82	120	NS
	10/17/96	532	17	19	NS	NS	22	NS	29	41	NS
	11/12/96	559	42	12	NS	NS	108	NS	51	29	NS
	12/09/96	586	9	31	10	NS	7	NS	18	19	NS
	01/06/97	614	90	76	6	NS	74	NS	69	86	NS



## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Total suspended solids (mg/L)											
	02/10/97	649	24	20	30	NS	9	NS	19	38	NS
	03/12/97	679	360	357	39	NS	212	NS	119	88	NS
	04/15/97	713	92	60	17	NS	52	NS	86	53	NS
	05/20/97	748	209	168	167	NS	161	NS	61	140	NS
	06/16/97	768	106	24	32	NS	18	NS	NS	46	NS
	07/14/97	796	38	56	53	NS	52	NS	111	77	NS
	08/11/97	824	457	363	100	NS	139	NS	176	132	NS
	09/15/97	859	155	153	19	NS	134	NS	101	133	NS
	10/14/97	888	58	49	76	NS	38	NS	90	303	NS
	11/12/97	917	62	84	42	NS	37	NS	74	49	NS
	12/15/97	950	35	22	22	NS	12	NS	14	8	NS
	01/12/98	978	12	26	20	NS	19	NS	44	516	NS
	02/17/98	1,014	90	76	42	NS	58	NS	49	52	NS
	03/17/98	1,042	234	305	76	NS	61	NS	86	84	NS
	04/14/98	1,070	317	270	65	NS	166	NS	126	128	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	119	185	78	NS	96	NS	NS	121	NS
	07/13/98	1,160	103	89	182	NS	92	NS	201	86	NS
	08/17/98	1,195	47	34	146	NS	44	NS	172	61	NS
	09/14/98	1,223	917	790	130	NS	362	NS	329	928	NS
Volatile solids (mg/L)											
	05/04/95	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/05/95	33	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/11/95	69	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/95	96	6.0	17.6	NS	20.0	23.5	23.0	15.5	NS	14.0
	09/11/95	131	11.0	3.5	NS	12.0	16.5	13.0	12.0	NS	3.0
	10/17/95	167	1.2	2.0	NS	9.0	10.5	5.4	10.3	NS	13.5
	11/13/95	194	2.6	3.2	NS	1.4	7.0	8.5	6.5	NS	5.7

## Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Volatile solids (mg/L)											
	12/12/95	223	1.2	2.2	NS	4.0	23.0	18.0	1.7	NS	4.3
	01/10/96	252	1.5	3.3	NS	12.0	4.0	19.0	1.3	NS	1.9
	02/13/96	286	3.1	3.0	NS	5.6	10.0	10.0	2.2	NS	3.8
	03/11/96	313	7.3	6.5	NS	8.0	10.0	10.5	4.3	NS	8.5
	04/15/96	348	27.0	6.0	NS	8.0	6.5	13.0	NS	NS	17.0
	05/20/96	383	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/96	404	8.0	9.5	NS	12.0	13.0	6.0	NS	NS	15.0
	07/16/96	440	4.0	12.7	NS	11.2	21.0	30.7	20.0	NS	18.0
	08/13/96	468	4.3	7.5	NS	40.0	20.7	14.7	32.7	NS	33.0
	09/17/96	503	129	9.2	NS	NS	2.2	NS	18.0	16.5	NS
	10/17/96	532	1.9	7.2	NS	NS	4.0	NS	4.3	7.2	NS
	11/12/96	559	4.2	2.8	NS	NS	12.5	NS	7.5	5.0	NS
	12/09/96	586	1.0	4.2	1.5	NS	0.9	NS	1.8	2.0	NS
	01/06/97	614	7.5	6.0	1.2	NS	6.5	NS	6.5	7.0	NS
	02/10/97	649	2.8	2.4	4.3	NS	1.1	NS	2.7	4.0	NS
	03/12/97	679	30.0	29.0	5.3	NS	20.0	NS	15.0	9.5	NS
	04/15/97	713	10.5	8.0	6.8	NS	8.0	NS	11.5	7.5	NS
	05/20/97	748	21.0	16.0	18.0	NS	18.0	NS	7.0	13.0	NS
	06/16/97	768	10.5	5.0	6.8	NS	3.2	NS	NS	5.2	NS
	07/14/97	796	4.5	5.6	22.4	NS	7.3	NS	15.0	10.0	NS
	08/11/97	824	30.0	26.0	23.0	NS	11.0	NS	16.0	12.0	NS
	09/15/97	859	16.0	15.3	6.6	NS	14.0	NS	12.0	14.7	NS
	10/14/97	888	4.8	4.0	9.5	NS	3.7	NS	8.0	20.0	NS
	11/12/97	917	6.3	7.2	5.7	NS	4.3	NS	8.0	5.6	NS
	12/15/97	950	3.4	2.6	2.6	NS	1.6	NS	1.8	1.0	NS
	01/12/98	978	1.4	2.8	3.6	NS	2.0	NS	4.2	38.0	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Volatile solids (mg/L)											
	02/17/98	1,014	8.4	7.6	5.7	NS	5.6	NS	5.2	5.5	NS
	03/17/98	1,042	20.0	28.8	8.8	NS	5.6	NS	10.5	10.0	NS
	04/14/98	1,070	27.3	22.7	8.7	NS	16.7	NS	12.5	13.0	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	9.3	9.6	8.0	NS	6.8	NS	NS	10.5	NS
	07/13/98	1,160	7.6	6.4	19.0	NS	6.4	NS	16.0	6.4	NS
	08/17/98	1,195	4.4	3.6	35.3	NS	4.4	NS	24.0	7.0	NS
	09/14/98	1,223	73.0	63.0	12.0	NS	31.3	NS	49.0	9.2	NS
Fixed solids (mg/L)											
	05/04/95	1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/05/95	33	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/11/95	69	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/95	96	59.2	38.8	NS	88.0	102	85.0	51.0	NS	95.3
	09/11/95	131	116	18.5	NS	44.5	89.0	49.5	46.5	NS	21.0
	10/17/95	167	11.0	9.6	NS	62.5	39.0	25.2	75.0	NS	53.0
	11/13/95	194	26.0	19.4	NS	6.9	70.0	68.0	39.5	NS	31.7
	12/12/95	223	9.3	19.2	NS	41.0	204	155	5.6	NS	21.0
	01/10/96	252	15.6	17.0	NS	75.5	21.0	125	6.7	NS	9.6
	02/13/96	286	29.1	17.7	NS	30.4	51.0	57.5	8.8	NS	14.0
	03/11/96	313	91.7	40.5	NS	50.0	73.5	81.0	21.3	NS	49.0
	04/15/96	348	256	12.0	NS	47.0	33.0	60.0	NS	NS	128
	05/20/96	383	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/96	404	66.7	30.5	NS	63.0	64.0	39.3	NS	NS	92.0
	07/16/96	440	33.8	28.3	NS	22.0	61.5	87.3	57.3	NS	46.7
	08/13/96	468	47.0	14.0	NS	109	19.3	17.3	45.3	NS	129
	09/17/96	503	1.2	11.2	NS	NS	6.0	NS	63.5	103	NS
	10/17/96	532	14.7	11.8	NS	NS	18.2	NS	25.0	33.6	NS
	11/12/96	559	38.0	9.2	NS	NS	96.0	NS	43.5	23.7	NS

Appendix C. Continued.

Measure	Date	Day of study	Station								
			WW1	WW4	WW4b	WW5	WW6	WW7	WW8	WW8b	WW9
Fixed solids (mg/L)											
	12/09/96	586	8.3	27.0	8.7	NS	6.3	NS	16.3	17.3	NS
	01/06/97	614	82.5	70.5	4.2	NS	68.0	NS	62.5	79.5	NS
	02/10/97	649	21.0	17.2	25.3	NS	7.5	NS	16.5	33.5	NS
	03/12/97	679	330	328	33.7	NS	192	NS	104	79.0	NS
	04/15/97	713	82.0	52.5	10.5	NS	44.0	NS	74.5	45.5	NS
	05/20/97	748	188	152	149	NS	143	NS	54.0	127	NS
	06/16/97	768	96.0	19.3	24.8	NS	15.0	NS	NS	40.4	NS
	07/14/97	796	33.7	50.8	30.4	NS	44.3	NS	96.2	67.0	NS
	08/11/97	824	427	337	77.0	NS	128	NS	160	120	NS
	09/15/97	859	139	137	12.9	NS	120	NS	89.3	118	NS
	10/14/97	888	53.8	44.6	67.0	NS	34.7	NS	82.0	283	NS
	11/12/97	917	56.0	77.2	36.7	NS	32.7	NS	65.5	43.2	NS
	12/15/97	950	31.4	19.4	19.4	NS	10.4	NS	12.2	7.4	NS
	01/12/98	978	10.2	23.2	16.6	NS	17.2	NS	39.4	47.8	NS
	02/17/98	1,014	81.2	68.0	36.7	NS	52.4	NS	43.6	47.0	NS
	03/17/98	1,042	214	276	66.8	NS	55.6	NS	75.0	74.5	NS
	04/14/98	1,070	290	247	56.3	NS	149	NS	114	114	NS
	05/12/98	1,098	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/15/98	1,132	110	176	70.0	NS	89.2	NS	NS	110	NS
	07/13/98	1,160	95.6	82.4	163	NS	86.0	NS	185	79.2	NS
	08/17/98	1,195	42.6	30.6	111	NS	39.8	NS	148	54.0	NS
	09/14/98	1,223	844	727	118	NS	331	NS	280	83.6	NS

<sup>1</sup>NS: No sample collected due to no water flow, flooding, ice cover, or instrument or probe problem.

<sup>2</sup>Conductivity ( $\mu\text{mhos/cm}$ ) corrected to 25°C.

<sup>3</sup><: Less than limit of detection.