

Appendix 11-1b. Summary Statistics of Non-ECP Water Quality Monitoring Data for Water Year 2000

Table A11-1b.1. Class III criteria reference table for water quality parameters presented in summary statistics Table A11-1b.3.

Parameter Name	Abbreviated Parameter Name	Units	SFWMD Lab Number	Class III Criteria Predominantly Fresh Surface Waters Section 62-302.530, F.A.C.
PHYSICAL				
% Saturation, Dissolved Oxygen	% SAT. DO	percent	76	None
Dissolved Oxygen	DO	mg/L	8	Not be less than 5.0 mg/L
Specific Conductance (Field)	FLDCOND.	umhos/cm	9	Not greater than 50% above background or 1,275 μ mhos/cm, whichever is greater
pH (Field)	PH	units	10	Not less than 6.0 or greater than 8.5
Turbidity	TURBIDITY	ntu	12	Less than or equal to 29 NTU above natural background
Total Suspended Solids	TSS	mg/L	16	None
Color	COLOR	units	13	None
Hardness	HARDNESS	mg/L as CaCO ₃	35	None
Temperature	TEMP	centigrade	7	None
Alkalinity	ALKALINITY	mg/L	67	Not less than 20 mg/L
NUTRIENTS				
Total Nitrogen	TN	mg N/L	80	narrative criteria
Nitrite + Nitrate	NOX	mg N/L	18;180	narrative criteria
Nitrite	NO ₂	mg N/L	19	narrative criteria
Nitrate	NO ₃	mg N/L	78	narrative criteria
Ammonium	NH ₄	mg N/L	182	narrative criteria
Un-ionized Ammonia	UN-IONIZED AMMONIA	mg/L as NH ₃	NONE	Less than or equal to 0.02 mg/L
Inorganic Nitrogen	NNH ₄	mg N/L	92	narrative criteria
Organic Nitrogen	ORGN	mg N/L	79	narrative criteria
Total Keldhal Nitrogen	TKN	mg N/L	21	narrative criteria
Ortho-Phosphorus	OPO ₄	mg P/L	23	narrative criteria
Total Phosphorus	TP	mg P/L	25	narrative criteria
MAJOR IONS				
Dissolved Calcium	DIS. CA	mg/L	30	None
Dissolved Potassium	DIS. K	mg/L	29	None
Dissolved Magnesium	DIS. MG	mg/L	31	None
Dissolved Sodium	DIS. NA	mg/L	28	None
Dissolved Silica	DIS. SILICA	mg/L	27	None
Total Sulfate	TOT. SO ₄	mg/L	33	None
Total Chlorides	TOT. CL	mg/L	32	None
TRACE ELEMENTS				
Total Arsenic	TOT. AS	ug/L	106	Less than or equal to 50 μ g/L
Total Cadmium	TOT. CD	ug/L	103	Less than or equal to calculated value using: $e^{(0.7852[\ln(\text{Hardness})-3.49])}$ ug/L
Total Copper	TOT. CU	ug/L	104	Less than or equal to calculated value using: $e^{(0.8545[\ln(\text{Hardness})-1.465])}$ ug/L
Total Lead	TOT. PB	ug/L	107	Less than or equal to calculated value using: $e^{(1.273[\ln(\text{Hardness})-4.705])}$ ug/L
Total Zinc	TOT. ZN	ug/L	105	Less than or equal to calculated value using: $e^{(0.8473[\ln(\text{Hardness})+0.7614])}$ ug/L
Total Iron	TOT. FE	mg/L	177	Less than or equal to 1.0 mg/L
BIOLOGICAL				
Carotenoid	CAROTENOID or CAROT	mg/m ³	63	None
Chlorophyll-A	CHLA	mg/m ³	61	None
Chlorophyll-A2	CHLA2	mg/m ³	112	None
Chlorophyll-B	CHLB	mg/m ³	62	None
Chlorophyll-C	CHLC	mg/m ³	113	None
Pheophytin-A	PHEOPHYTIN A	mg/m ³	64	None

Table A11-1b.2. Reference table for cross-referencing water quality monitoring sites with Non-ECP discharge structures and the monitoring data summary statistics shown in Table A11-1b.3.

STRUCTURE CATEGORY	Non-ECP PERMIT STRUCTURE	WATER QUALITY SAMPLING SITE	Comments
INTO	ACME1DS	ACME1DS	
	ACME1 + (Upstream of ACME1DS)	L40-1	Grab sample monitoring at this site was discontinued in January 1999 in favor of data collected at downstream culvert (ACME1DS)
	G-94D	G94D	
	ACME2 + (Upstream of G94D)	L40-2	Grab sample monitoring at this site was discontinued in January 1999 in favor of data collected at downstream culvert (G94D)
	G-123	G123	
	S-9	S9	
	S-14	S14	Structure closed, no data collected at this site during May 1, 1999 - April 30, 2000.
	S-18C	S18C	
	S-140	S140	
	S-175	S175	
	S-190	S190	
	S-332	S332	
	NSID (S38B)	S38B	
WITHIN	G-64	G64	
	G-69	G69	Structure closed, no data collected at this site during May 1, 1999 - April 30, 2000.
	G-71, S-346, S-347	S12D	
	S-10E	S10E	
	S-141	S34	
	S-142	S142	
	S-143	S11A	
	S-144	S144	
	S-145	S145	
	S-146	S146	
	S-151	S151	
	S-333	S333	
	S-339, S-340	C123SR84	
FROM	G-94A, G-94B, G-94C	G94B	
	S-31, S-337	S31	
	S-34	S34	
	S-38	S38	
	S-39	S39	
	S-197	S197	
	S-334	S334	
	S-343A, S-343B	US41-25	
	S-344	S344	
C-111 BASIN	S-174 +	S176	
	S-177 +	S177	
	S-178 +	S178	
	S-331 +, S-173 +	S331-173	

Note:

- 1) Water quality sample site is located on upstream side of permitted structure, unless otherwise noted with different representative sampling location
- 2) Structure names with a "+" are upstream of Non-ECP INTO structures and are additional monitoring locations

Table A11-1b.3. Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000).
Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
ACME1DS	% SAT. DO	PERCENT	76	24MAY1999 - 24APR2000	14	63.34	24.17	10.2905	48.3475	69.1897	80.5367	96.3106	0	0	0.0%
ACME1DS	ALKALINITY	mg/L	67	24MAY1999 - 24APR2000	14	199.76	35.70	144.8	170.1	201	221.4	250.9	0	0	0.0%
ACME1DS	COLOR	UNITS	13	24MAY1999 - 24APR2000	14	106.86	28.63	56	93	110	124	150	0	0	0.0%
ACME1DS	DIS. CA	mg/L	30	19JUL1999 - 24APR2000	4	71.01	14.86	58.173	59.781	67.442	82.2415	90.988	0	0	0.0%
ACME1DS	DIS. K	mg/L	29	19JUL1999 - 24APR2000	4	7.02	1.13	5.669	6.177	7.019	7.854	8.355	0	0	0.0%
ACME1DS	DIS. MG	mg/L	31	19JUL1999 - 24APR2000	4	13.74	6.69	5.131	9.357	14.194	18.117	21.429	0	0	0.0%
ACME1DS	DIS. NA	mg/L	28	19JUL1999 - 24APR2000	4	65.07	26.53	32.679	43.517	68.936	86.6215	89.726	0	0	0.0%
ACME1DS	DIS. SILICA	mg/L	27	19JUL1999 - 24APR2000	4	13.96	6.43	7.273	8.613	13.783	19.315	21.017	0	0	0.0%
ACME1DS	DO	mg/L	8	24MAY1999 - 24APR2000	14	5.36	2.11	0.81	3.98	5.66	6.4	9.29	0	5	35.7%
ACME1DS	FLDCOND.	UMHOS/CM	9	24MAY1999 - 24APR2000	14	742.64	174.30	491	629	699	865	1064	0	0	0.0%
ACME1DS	HARDNESS	mg/L CaCO3	35	19JUL1999 - 24APR2000	4	233.86	61.55	174.41	187.79	222.81	279.93	315.40	0	0	0.0%
ACME1DS	NH4	mg N/L	182	24MAY1999 - 24APR2000	14	0.14	0.15	0.013	0.02	0.06	0.323	0.345	0	0	0.0%
ACME1DS	NNH4	mg N/L	92	24MAY1999 - 24APR2000	14	0.24	0.24	0.014	0.036	0.118	0.4	0.831	0	0	0.0%
ACME1DS	NO2	mg N/L	19	24MAY1999 - 24APR2000	14	0.02	0.02	<0.004	0.005	0.008	0.024	0.098	1	0	0.0%
ACME1DS	NO3	mg N/L	78	24MAY1999 - 24APR2000	14	0.08	0.19	<0.004	0.006	0.035	0.072	0.72	3	0	0.0%
ACME1DS	NOX	mg N/L	18,180	24MAY1999 - 24APR2000	14	0.10	0.21	<0.004	0.011	0.053	0.096	0.818	1	0	0.0%
ACME1DS	OPO4	mg P/L	23	24MAY1999 - 24APR2000	14	0.04	0.05	0.005	0.009	0.016	0.05	0.188	0	0	0.0%
ACME1DS	ORGN	mg N/L	79	24MAY1999 - 24APR2000	14	1.87	0.35	1.308	1.653	1.769	2.121	2.481	0	0	0.0%
ACME1DS	PH	UNITS	10	24MAY1999 - 24APR2000	14	7.50	0.31	7.17	7.26	7.415	7.63	8.18	0	0	0.0%
ACME1DS	TEMP	CENT	7	24MAY1999 - 24APR2000	14	25.23	3.91	17.52	22.55	24.645	28.36	32.19	0	0	0.0%
ACME1DS	TKN	mg N/L	21	24MAY1999 - 24APR2000	14	2.01	0.35	1.322	1.841	1.9965	2.15	2.567	0	0	0.0%
ACME1DS	TN	mg N/L	80	24MAY1999 - 24APR2000	14	2.11	0.47	1.322	1.924	2.0765	2.157	3.312	0	0	0.0%
ACME1DS	TOT. AS	ug/L	106	19JUL1999 - 31JAN2000	2	1.93	0.33	1.69	1.69	1.9255	2.161	2.161	0	0	0.0%
ACME1DS	TOT. CD	ug/L	103	19JUL1999 - 31JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
ACME1DS	TOT. CL	mg/L	32	24MAY1999 - 24APR2000	13	99.59	31.77	46.55	67.98	100.39	123.21	148.65	0	0	0.0%
ACME1DS	TOT. CU	ug/L	104	19JUL1999 - 31JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
ACME1DS	TOT. FE	mg/L	177	19JUL1999 - 24APR2000	4	0.310	0.232	0.146	0.183	0.220	0.438	0.654	0	0	0.0%
ACME1DS	TOT. PB	ug/L	107	19JUL1999 - 31JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
ACME1DS	TOT. SO4	mg/L	33	25OCT1999 - 24APR2000	3	34.28	23.95	14.06	14.06	28.06	60.73	60.73	0	0	0.0%
ACME1DS	TOT. ZN	ug/L	105	19JUL1999 - 31JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
ACME1DS	TP	mg P/L	25	24MAY1999 - 24APR2000	14	0.10	0.08	0.04	0.069	0.079	0.105	0.348	0	0	0.0%
ACME1DS	TSS	mg/L	16	24MAY1999 - 24APR2000	14	6.29	2.52	<3	5	6.5	7	11	2	0	0.0%
ACME1DS	TURBIDITY	NTU	12	24MAY1999 - 24APR2000	14	5.49	2.31	2.01	4.08	4.945	7.76	9.35	0	0	0.0%
ACME1DS	UN-IONIZED AMMONIA	mg/L	NONE	24MAY1999 - 24APR2000	14	0.00	0.00	0.0002	0.0006	0.0016	0.0033	0.0057	0	0	0.0%
G94D	% SAT. DO	PERCENT	76	24MAY1999 - 24APR2000	14	49.09	24.27	17.6385	30.2301	41.66855	73.2511	88.0953	0	0	0.0%
G94D	ALKALINITY	mg/L	67	24MAY1999 - 24APR2000	14	190.38	31.22	144.3	169.4	183.3	206	255.3	0	0	0.0%
G94D	COLOR	UNITS	13	24MAY1999 - 24APR2000	14	102.29	26.95	63	79	101	129	144	0	0	0.0%
G94D	DIS. CA	mg/L	30	19JUL1999 - 24APR2000	4	71.76	15.80	61.338	61.632	65.403	81.8845	94.889	0	0	0.0%
G94D	DIS. K	mg/L	29	19JUL1999 - 24APR2000	4	6.50	2.06	4.76	4.8285	6.0915	8.168	9.05	0	0	0.0%
G94D	DIS. MG	mg/L	31	19JUL1999 - 24APR2000	4	13.16	8.90	3.411	7.278	12.1515	19.0385	24.919	0	0	0.0%
G94D	DIS. NA	mg/L	28	19JUL1999 - 24APR2000	4	56.43	33.75	14.243	34.4725	57.391	78.3895	96.699	0	0	0.0%
G94D	DIS. SILICA	mg/L	27	19JUL1999 - 24APR2000	4	13.24	7.99	5.587	6.3555	13.2805	20.1215	20.806	0	0	0.0%
G94D	DO	mg/L	8	24MAY1999 - 24APR2000	14	4.13	2.02	1.56	2.64	3.385	5.89	7.59	0	8	57.1%
G94D	FLDCOND.	UMHOS/CM	9	24MAY1999 - 24APR2000	14	653.07	225.41	392	457	589	825	1048	0	0	0.0%
G94D	HARDNESS	mg/L CaCO3	35	19JUL1999 - 24APR2000	4	233.34	74.13	167.20066	187.99411	213.32687	278.68531	339.50444	0	0	0.0%
G94D	NH4	mg N/L	182	24MAY1999 - 24APR2000	14	0.07	0.10	<0.009	0.01	0.0345	0.068	0.364	2	0	0.0%
G94D	NNH4	mg N/L	92	24MAY1999 - 24APR2000	14	0.16	0.24	0.009	0.014	0.081	0.143	0.864	0	0	0.0%
G94D	NO2	mg N/L	19	24MAY1999 - 24APR2000	14	0.02	0.03	<0.004	0.004	0.0065	0.018	0.108	2	0	0.0%
G94D	NO3	mg N/L	78	24MAY1999 - 24APR2000	14	0.08	0.19	<0.004	0.004	0.0215	0.051	0.741	3	0	0.0%
G94D	NOX	mg N/L	18,180	24MAY1999 - 24APR2000	14	0.09	0.22	0.004	0.008	0.0275	0.062	0.849	0	0	0.0%
G94D	OPO4	mg P/L	23	24MAY1999 - 24APR2000	14	0.03	0.03	0.006	0.019	0.029	0.043	0.1	0	0	0.0%
G94D	ORGN	mg N/L	79	24MAY1999 - 24APR2000	14	1.67	0.52	1.041	1.324	1.5435	2.087	2.673	0	0	0.0%
G94D	PH	UNITS	10	24MAY1999 - 24APR2000	14	7.35	0.22	7.01	7.21	7.325	7.44	7.84	0	0	0.0%
G94D	TEMP	CENT	7	24MAY1999 - 24APR2000	14	25.26	3.59	18.13	23.01	24.58	28.26	31	0	0	0.0%
G94D	TKN	mg N/L	21	24MAY1999 - 24APR2000	14	1.74	0.51	1.089	1.324	1.6585	2.155	2.688	0	0	0.0%
G94D	TN	mg N/L	80	24MAY1999 - 24APR2000	14	1.83	0.65	1.101	1.334	1.67	2.198	3.537	0	0	0.0%
G94D	TOT. AS	ug/L	106	19JUL1999 - 31JAN2000	2	1.60	0.01	1.59	1.59	1.597	1.604	1.604	0	0	0.0%
G94D	TOT. CD	ug/L	103	19JUL1999 - 31JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
G94D	TOT. CL	mg/L	32	24MAY1999 - 24APR2000	13	72.00	48.63	21.56	31.51	35.46	120.04	142.9	0	0	0.0%
G94D	TOT. CU	ug/L	104	19JUL1999 - 31JAN2000	2	1.66	0.29	1.453	1.453	1.658	1.863	1.863	0	0	0.0%
G94D	TOT. FE	mg/L	177	19JUL1999 - 24APR2000	4	0.43	0.20	0.23268	0.255496	0.424819	0.5976145	0.623903	0	0	0.0%
G94D	TOT. PB	ug/L	107	19JUL1999 - 31JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
G94D	TOT. SO4	mg/L	33	25OCT1999 - 24APR2000	3	35.08	26.53	16.53	16.53	23.24	65.46	65.46	0	0	0.0%
G94D	TOT. ZN	ug/L	105	19JUL1999 - 31JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
G94D	TP	mg P/L	25	24MAY1999 - 24APR2000	14	0.11	0.04	0.059	0.069	0.106	0.134	0.196	0	0	0.0%
G94D	TSS	mg/L	16	24MAY1999 - 24APR2000	14	8.50	4.80	<3	3	7.5	12	18	3	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
G123	% SAT. DO	PERCENT	76	28JUN1999 - 17APR2000	10	26.15	9.69	8.8706	18.6056	28.2404	35.2624	37.9059	0	0	0.0%
G123	ALKALINITY	mg/L	67	28JUN1999 - 17APR2000	11	205.06	41.08	141	165.5	213.1	247.4	253.7	0	0	0.0%
G123	COLOR	UNITS	13	28JUN1999 - 17APR2000	11	61.18	17.38	36	48	58	75	97	0	0	0.0%
G123	DIS. CA	mg/L	30	26JUL1999 - 17APR2000	4	62.81	9.03	51.74	55.64	63.7125	69.9775	72.07	0	0	0.0%
G123	DIS. K	mg/L	29	26JUL1999 - 17APR2000	4	4.13	1.14	3.037	3.1945	4.003	5.063	5.472	0	0	0.0%
G123	DIS. MG	mg/L	31	26JUL1999 - 17APR2000	4	15.76	3.33	10.881	13.691	16.9165	17.8205	18.309	0	0	0.0%
G123	DIS. NA	mg/L	28	26JUL1999 - 17APR2000	4	48.14	10.94	32.87	40.237	51.5255	56.037	56.627	0	0	0.0%
G123	DIS. SILICA	mg/L	27	26JUL1999 - 17APR2000	4	14.07	3.34	10.615	11.5905	13.6255	16.546	18.407	0	0	0.0%
G123	DO	mg/L	8	28JUN1999 - 17APR2000	10	2.25	0.85	0.73	1.45	2.32	3.06	3.2	10	100.0%	
G123	FLDCOND.	UMHOS/CM	9	28JUN1999 - 17APR2000	10	668.60	140.37	432	594	679.5	750	928	0	0	0.0%
G123	HARDNESS	mg/L CaCO3	35	26JUL1999 - 17APR2000	4	221.68	34.17	173.98098	196.99543	232.43929	246.3728	247.87691	0	0	0.0%
G123	NH4	mg N/L	182	28JUN1999 - 17APR2000	11	0.13	0.09	0.019	0.092	0.115	0.155	0.364	0	0	0.0%
G123	NNH4	mg N/L	92	28JUN1999 - 17APR2000	11	0.24	0.28	0.046	0.107	0.129	0.256	1.019	0	0	0.0%
G123	NO2	mg N/L	19	28JUN1999 - 17APR2000	11	0.01	0.01	<0.004	<0.004	<0.004	0.005	0.031	6	0	0.0%
G123	NO3	mg N/L	78	28JUN1999 - 17APR2000	11	0.10	0.24	0.006	0.014	0.025	0.04	0.833	0	0	0.0%
G123	NOX	mg N/L	18,180	28JUN1999 - 17APR2000	11	0.10	0.25	0.006	0.014	0.025	0.045	0.864	0	0	0.0%
G123	OP04	mg P/L	23	28JUN1999 - 17APR2000	11	0.01	0.00	<0.004	<0.004	0.005	0.006	0.008	3	0	0.0%
G123	ORGN	mg N/L	79	28JUN1999 - 17APR2000	11	1.12	0.33	0.741	0.887	1.138	1.175	1.911	0	0	0.0%
G123	PH	UNITS	7	28JUN1999 - 17APR2000	10	7.36	0.26	7.08	7.16	7.335	7.43	7.96	0	0	0.0%
G123	TEMP	CENT	10	28JUN1999 - 17APR2000	10	24.26	4.02	18.11	21	25.3	26.56	30.29	0	0	0.0%
G123	TKN	mg N/L	21	28JUN1999 - 17APR2000	11	1.26	0.33	0.781	0.991	1.247	1.382	2.045	0	0	0.0%
G123	TN	mg N/L	80	28JUN1999 - 17APR2000	11	1.36	0.36	0.787	1.234	1.271	1.5	2.09	0	0	0.0%
G123	TOT. AS	ug/L	106	26JUL1999 - 24JAN2000	2	1.50	0.00	<1.5	<1.5	<1.5	<1.5	<1.5	2	0	0.0%
G123	TOT. CD	ug/L	103	26JUL1999 - 24JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
G123	TOT. CL	mg/L	32	28JUN1999 - 17APR2000	11	71.45	18.52	45.77	53.96	73.43	77.99	111.47	0	0	0.0%
G123	TOT. CU	ug/L	104	26JUL1999 - 24JAN2000	2	1.29	0.13	<1.2	<1.2	0.0895	1.379	1.379	1	0	0.0%
G123	TOT. FE	mg/L	177	26JUL1999 - 17APR2000	4	0.14	0.15	0.030465	0.0533505	0.090391	0.2301775	0.355809	0	0	0.0%
G123	TOT. PB	ug/L	107	26JUL1999 - 24JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
G123	TOT. SO4	mg/L	33	26JUL1999 - 17APR2000	3	13.38	11.78	4.82	4.82	8.51	26.82	26.82	0	0	0.0%
G123	TOT. ZN	ug/L	105	26JUL1999 - 24JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
G123	TP	mg P/L	25	28JUN1999 - 17APR2000	11	0.02	0.01	0.008	0.013	0.017	0.022	0.025	0	0	0.0%
G123	TSS	mg/L	16	28JUN1999 - 17APR2000	11	3.00	0.00	<3	<3	<3	<3	<3	11	0	0.0%
G123	TURBIDITY	NTU	12	28JUN1999 - 17APR2000	11	1.17	0.39	0.538	0.876	1.1	1.53	1.69	0	0	0.0%
G123	UN-IONIZED AMMONIA	mg/L	NONE	28JUN1999 - 17APR2000	10	0.00	0.00	0.0002	0.0006	0.0020	0.0044	0.0088	0	0	0.0%
S9	% SAT. DO	PERCENT	76	04MAY1999 - 25APR2000	49	27.05	16.62	1.4122	15.3707	27.0773	39.7377	64.9002	0	0	0.0%
S9	ALKALINITY	mg/L	67	18MAY1999 - 18APR2000	20	243.19	23.61	176.3	232.25	246.35	258.25	293.7	0	0	0.0%
S9	COLOR	UNITS	13	18MAY1999 - 18APR2000	20	47.40	5.02	39	43	48	51	56	0	0	0.0%
S9	DIS. CA	mg/L	30	13JUL1999 - 18APR2000	4	78.75	1.64	77.033	77.43	78.6195	80.062	80.712	0	0	0.0%
S9	DIS. K	mg/L	29	13JUL1999 - 18APR2000	4	3.09	0.35	2.823	2.8705	2.9775	3.3175	3.598	0	0	0.0%
S9	DIS. MG	mg/L	31	13JUL1999 - 18APR2000	4	13.97	1.60	12.851	13.0145	13.337	14.9155	16.335	0	0	0.0%
S9	DIS. NA	mg/L	28	13JUL1999 - 18APR2000	4	50.78	1.58	48.938	49.4785	50.9285	52.089	52.34	0	0	0.0%
S9	DIS. SILICA	mg/L	27	05OCT1999 - 18APR2000	4	11.52	2.87	8.502	9.5415	11.1165	13.4985	15.345	0	0	0.0%
S9	DO	mg/L	8	04MAY1999 - 25APR2000	51	2.24	1.32	0.12	1.26	2.22	3.16	5.28	0	50	98.0%
S9	FLDCOND.	UMHOS/CM	9	04MAY1999 - 25APR2000	51	701.88	74.05	448	679	706	740	916	0	0	0.0%
S9	HARDNESS	mg/L CaCO3	35	13JUL1999 - 18APR2000	4	254.11	10.06	247.22874	247.56484	250.21667	260.65257	268.77272	0	0	0.0%
S9	NH4	mg N/L	182	18MAY1999 - 18APR2000	20	0.32	0.12	0.167	0.2305	0.2795	0.395	0.558	0	0	0.0%
S9	NNH4	mg N/L	92	18MAY1999 - 18APR2000	19	0.41	0.10	0.236	0.35	0.42	0.459	0.586	0	0	0.0%
S9	NO2	mg N/L	19	18MAY1999 - 18APR2000	20	0.01	0.01	<0.004	0.0045	0.01	0.0125	0.032	4	0	0.0%
S9	NO3	mg N/L	78	18MAY1999 - 18APR2000	19	0.09	0.05	<0.004	0.057	0.097	0.134	0.208	1	0	0.0%
S9	NOX	mg N/L	18,180	18MAY1999 - 18APR2000	19	0.10	0.06	<0.004	0.063	0.11	0.145	0.24	1	0	0.0%
S9	OP04	mg P/L	23	18MAY1999 - 18APR2000	20	0.01	0.01	<0.004	<0.004	0.005	0.0065	0.047	7	0	0.0%
S9	ORGN	mg N/L	79	18MAY1999 - 18APR2000	20	1.02	0.13	0.783	0.933	1.0175	1.0915	1.38	0	0	0.0%
S9	PH	UNITS	10	04MAY1999 - 25APR2000	51	7.18	0.24	6.38	7.05	7.19	7.3	7.68	0	0	0.0%
S9	TEMP	CENT	7	04MAY1999 - 25APR2000	51	25.67	1.98	21.54	23.95	25.99	27.23	29.31	0	0	0.0%
S9	TKN	mg N/L	21	18MAY1999 - 18APR2000	20	1.33	0.15	1.106	1.2205	1.3155	1.4455	1.619	0	0	0.0%
S9	TN	mg N/L	80	18MAY1999 - 18APR2000	20	1.43	0.13	1.216	1.3295	1.4195	1.4885	1.677	0	0	0.0%
S9	TOT. AS	ug/L	106	13JUL1999 - 25JAN2000	2	1.50	0.00	<1.5	<1.5	<1.5	<1.5	<1.5	2	0	0.0%
S9	TOT. CD	ug/L	103	13JUL1999 - 25JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S9	TOT. CL	mg/L	32	18MAY1999 - 18APR2000	20	68.87	9.72	41.1	65.665	71.06	73.815	88.24	0	0	0.0%
S9	TOT. CU	ug/L	104	13JUL1999 - 25JAN2000	2	1.23	0.04	<1.2	<1.2	0.027	1.254	1.254	1	0	0.0%
S9	TOT. FE	mg/L	177	13JUL1999 - 18APR2000	4	0.39	0.21	0.082963	0.256409	0.465151	0.520673	0.540899	0	0	0.0%
S9	TOT. PB	ug/L	107	13JUL1999 - 25JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S9	TOT. SO4	mg/L	33	25JAN2000 - 18APR2000	2	3.63	0.33	3.4	3.4	3.63	3.86	3.86	0	0	0.0%
S9	TOT. ZN	ug/L	105	13JUL1999 - 25JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S9	TOTAL DEPTH	METERS	99	04MAY1999 - 25APR2000	3	0.50	0.00	0.5	0.5	0.5	0.5	0.5	0	0	0.0%
S9	TP	mg P/L	25	04MAY1999 - 25APR2000	49	0.02	0.01	0.004	0.012	0.014	0.017	0.074	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S14	TOTAL DEPTH	METERS	99	20DEC1999 - 20DEC1999	1	0.00		0	0	0	0	0	0	0	0.0%
S18C	% SAT. DO	PERCENT	76	11MAY1999 - 26APR2000	26	41.12	22.21	13.1756	22.1576	30.8697	63.1037	80.702864	0	0	0.0%
S18C	ALKALINE PHOS	nM/minml	168	26MAY1999 - 12APR2000	22	10.28	7.25	3.598	5.9	7.815	12.425	30.867	0	0	0.0%
S18C	ALKALINITY	mg/L	67	26MAY1999 - 12APR2000	24	198.78	8.55	182.4	193.25	200.65	204.55	215.2	0	0	0.0%
S18C	CAROTENOID	mg/m3	63	26MAY1999 - 12APR2000	21	1.45	1.22	<1	<1	<1	1.4	6.6	12	0	0.0%
S18C	CHLA	mg/m3	61	26MAY1999 - 12APR2000	21	2.20	1.07	<1	1.1	2.2	2.8	5	4	0	0.0%
S18C	CHLA2	mg/m3	112	26MAY1999 - 12APR2000	21	1.98	1.00	<1	<1	1.8	2.6	4.2	6	0	0.0%
S18C	CHLB	mg/m3	62	26MAY1999 - 12APR2000	21	1.00	0.00	<1	<1	<1	<1	<1	21	0	0.0%
S18C	CHLC	mg/m3	113	26MAY1999 - 12APR2000	21	1.01	0.03	<1	<1	<1	<1	1.1	19	0	0.0%
S18C	COLOR	UNITS	13	26MAY1999 - 12APR2000	24	15.08	5.91	10	10.5	13	16.5	31	0	0	0.0%
S18C	DIS. CA	mg/L	30	26MAY1999 - 12APR2000	24	75.23	4.10	65.266	73.492	74.7325	77.495	82.571	0	0	0.0%
S18C	DIS. K	mg/L	29	26MAY1999 - 12APR2000	24	4.14	2.06	2.177	2.9135	4.1065	4.5875	12.276	0	0	0.0%
S18C	DIS. MG	mg/L	31	26MAY1999 - 12APR2000	24	7.26	6.55	4.641	5.202	5.442	6.614	37.462	0	0	0.0%
S18C	DIS. NA	mg/L	28	26MAY1999 - 12APR2000	24	33.25	52.88	18.478	20.112	21.384	23.7545	280.934	0	0	0.0%
S18C	DIS. SILICA	mg/L	27	06JUL1999 - 05JAN2000	4	5.26	1.33	4.362	4.3685	4.7395	6.145	7.186	0	0	0.0%
S18C	DO	mg/L	8	11MAY1999 - 26APR2000	25	3.47	1.82	1.1	1.89	2.78	5.08	6.65	0	16	64.0%
S18C	FLDCOND.	UMHOS/CM	9	11MAY1999 - 26APR2000	25	520.64	32.17	489	500	514	524	651	0	0	0.0%
S18C	HARDNESS	mg/L CaCO3	35	26MAY1999 - 12APR2000	24	217.71	27.22	195.3045	206.20555	211.96666	218.38065	339.36862	0	0	0.0%
S18C	LABCOND.	UMHOS/CM	14	08DEC1999 - 08DEC1999	1	493.00		493	493	493	493	493	0	0	0.0%
S18C	NH4	mg N/L	182	26MAY1999 - 12APR2000	24	0.09	0.06	<0.009	0.0285	0.092	0.126	0.205	2	0	0.0%
S18C	NNH4	mg N/L	92	26MAY1999 - 12APR2000	24	10.28	49.68	<0.009	0.092	0.139	0.204	243.501	1	0	0.0%
S18C	NO2	mg N/L	19	26MAY1999 - 12APR2000	24	0.01	0.00	<0.004	<0.004	0	0.0055	0.012	12	0	0.0%
S18C	NO3	mg N/L	78	26MAY1999 - 12APR2000	24	10.19	49.69	<0.004	0.0245	0.04	0.0615	243.489	1	0	0.0%
S18C	NOX	mg N/L	18;180	26MAY1999 - 12APR2000	23	0.05	0.03	<0.004	0.027	0.041	0.068	0.107	1	0	0.0%
S18C	OP04	mg P/L	23	26MAY1999 - 12APR2000	24	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.007	16	0	0.0%
S18C	ORGN	mg N/L	79	26MAY1999 - 12APR2000	24	0.52	0.09	<0.036	<0.5	<0.5	0.4985	0.766	12	0	0.0%
S18C	PH	UNITS	10	11MAY1999 - 26APR2000	25	7.47	0.27	6.92	7.31	7.44	7.72	8.05	0	0	0.0%
S18C	PHEOPHYTIN A	mg/m3	64	26MAY1999 - 12APR2000	21	1.08	0.17	<1	<1	<1	1	1.5	15	0	0.0%
S18C	SALINITY	UNITS	98	09NOV1999 - 09NOV1999	1	0.30		0.3	0.3	0.3	0.3	0.3	0	0	0.0%
S18C	TEMP	CENT	7	11MAY1999 - 26APR2000	25	25.47	2.28	21.63	23.73	25.68	27.54	30.06	0	0	0.0%
S18C	TKN	mg N/L	21	26MAY1999 - 12APR2000	24	0.58	0.12	<0.5	<0.5	0.011	0.575	0.961	12	0	0.0%
S18C	TN	mg N/L	80	26MAY1999 - 12APR2000	24	10.73	49.58	<0.5	<0.5	0.564	0.715	243.501	11	0	0.0%
S18C	TOT. AS	ug/L	106	26MAY1999 - 12APR2000	13	1.54	0.14	<1.5	<1.5	<1.5	<1.5	<2	13	0	0.0%
S18C	TOT. CD	ug/L	103	26MAY1999 - 12APR2000	13	0.32	0.06	<0.3	<0.3	<0.3	<0.5	0.35	12	0	0.0%
S18C	TOT. CL	mg/L	32	26MAY1999 - 12APR2000	24	53.24	91.85	28.55	30.55	32.265	36.545	483.56	0	0	0.0%
S18C	TOT. CU	ug/L	104	26MAY1999 - 12APR2000	13	1.21	0.10	<1.2	<1.2	<1.2	<1.2	1.496	12	0	0.0%
S18C	TOT. FE	mg/L	177	26MAY1999 - 12APR2000	23	0.22	0.09	0.074498	0.137883	0.217504	0.278826	0.387379	0	0	0.0%
S18C	TOT. PB	ug/L	107	26MAY1999 - 12APR2000	13	0.82	0.06	<0.8	<0.8	<0.8	<0.8	<1	13	0	0.0%
S18C	TOT. SO4	mg/L	33	06JUL1999 - 27OCT1999	4	11.52	2.28	8.51	9.835	11.88	13.205	13.81	0	0	0.0%
S18C	TOT. ZN	ug/L	105	08JUN1999 - 12APR2000	11	4.36	1.65	<4	<4	<4	2.1	8.93	8	0	0.0%
S18C	TOTAL DEPTH	METERS	99	08DEC1999 - 26APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S18C	TP	mg P/L	25	11MAY1999 - 26APR2000	26	0.01	0.00	<0.004	0.006	0.007	0.009	0.016	1	0	0.0%
S18C	TSS	mg/L	16	26MAY1999 - 12APR2000	24	3.00	0.00	<3	<3	<3	<3	<3	24	0	0.0%
S18C	TURBIDITY	NTU	12	26MAY1999 - 12APR2000	24	1.73	0.78	0.638	1.15	1.565	2.385	3.96	0	0	0.0%
S18C	UN-IONIZED AMMONIA	mg/L	NONE	11MAY1999 - 26APR2000	22	0.00	0.00	0.000169	0.000883	0.001303	0.002028	0.004108	0	0	0.0%
S140	% SAT. DO	PERCENT	76	20MAY1999 - 11APR2000	19	32.14	22.64	7.497	14.4483	21.9909	57.9655	72.7303	0	0	0.0%
S140	ALKALINITY	mg/L	67	20MAY1999 - 11APR2000	19	160.52	33.18	87.08	144.3	155.4	190	217.4	0	0	0.0%
S140	COLOR	UNITS	13	20MAY1999 - 11APR2000	19	83.00	34.81	36	48	82	118	147	0	0	0.0%
S140	DIS. CA	mg/L	30	15JUL1999 - 11APR2000	4	62.84	11.09	48.54	54.0905	65.1915	71.585	72.428	0	0	0.0%
S140	DIS. K	mg/L	29	15JUL1999 - 31JAN2000	3	2.07	0.05	2.028	2.028	2.069	2.125	2.125	0	0	0.0%
S140	DIS. MG	mg/L	31	15JUL1999 - 11APR2000	4	4.14	1.08	2.84	3.252	4.2895	5.028	5.141	0	0	0.0%
S140	DIS. NA	mg/L	28	15JUL1999 - 11APR2000	4	16.72	5.12	10.532	12.6725	17.081	20.769	22.189	0	0	0.0%
S140	DIS. SILICA	mg/L	27	15JUL1999 - 11APR2000	4	5.04	3.87	0.225	2.2315	5.214	7.8405	9.491	0	0	0.0%
S140	DO	mg/L	8	20MAY1999 - 11APR2000	20	2.84	2.01	0.6	1.225	2.085	4.835	6.48	0	15	75.0%
S140	FLDCOND.	UMHOS/CM	9	20MAY1999 - 11APR2000	20	368.93	113.84	3.69	324.5	390.5	445.5	511	0	0	0.0%
S140	HARDNESS	mg/L CaCO3	35	15JUL1999 - 11APR2000	4	173.95	32.13	132.89382	148.44921	180.43876	199.44299	202.01307	0	0	0.0%
S140	NH4	mg N/L	182	20MAY1999 - 11APR2000	19	0.07	0.05	<0.009	0.038	0.061	0.096	0.192	1	0	0.0%
S140	NNH4	mg N/L	92	20MAY1999 - 11APR2000	19	0.10	0.06	0.005	0.052	0.101	0.143	0.231	0	0	0.0%
S140	NO2	mg N/L	19	20MAY1999 - 11APR2000	19	0.01	0.00	<0.004	<0.004	0.004	0.006	0.014	5	0	0.0%
S140	NO3	mg N/L	78	20MAY1999 - 11APR2000	19	0.03	0.02	0.005	0.016	0.025	0.041	0.07	0	0	0.0%
S140	NOX	mg N/L	18;180	20MAY1999 - 11APR2000	19	0.03	0.02	0.005	0.016	0.038	0.042	0.074	0	0	0.0%
S140	OP04	mg P/L	23	20MAY1999 - 11APR2000	19	0.04	0.06	0.004	0.016	0.023	0.037	0.265	0	0	0.0%
S140	ORGN	mg N/L	79	20MAY1999 - 11APR2000	19	1.00	0.22	0.658	0.866	0.941	1.21	1.48	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S175	% SAT. DO	PERCENT	76	11MAY1999 - 26APR2000	46	40.16	21.84	1.1641	20.2306	41.80585	57.1721	76.7859	0	0	0.0%
S175	ALKALINE PHOS	nM/minml	168	26MAY1999 - 26APR2000	14	9.56	6.27	1.3	3.8	9.73	13.759	20.07	0	0	0.0%
S175	ALKALINITY	mg/L	67	26MAY1999 - 26APR2000	16	198.79	8.53	186.5	192.9	197.15	204.95	214	0	0	0.0%
S175	CAROTENOID	mg/m3	63	26MAY1999 - 26APR2000	15	1.05	0.12	<1	<1	<1	1	1.4	10	0	0.0%
S175	CHLA	mg/m3	61	26MAY1999 - 26APR2000	15	1.37	0.81	<1	<1	<1	<1	3.5	12	0	0.0%
S175	CHLA2	mg/m3	112	26MAY1999 - 26APR2000	15	1.49	0.94	<1	<1	<1	2	3.8	11	0	0.0%
S175	CHLB	mg/m3	62	26MAY1999 - 26APR2000	15	1.01	0.05	<1	<1	<1	<1	1.2	13	0	0.0%
S175	CHLC	mg/m3	113	26MAY1999 - 26APR2000	15	1.02	0.08	<1	<1	<1	<1	1.3	14	0	0.0%
S175	COLOR	UNITS	13	26MAY1999 - 26APR2000	16	20.50	6.04	9	15.5	22	24	32	0	0	0.0%
S175	DIS. CA	mg/L	30	26MAY1999 - 26APR2000	16	73.00	4.13	65.71	70.019	72.5705	75.773	80.367	0	0	0.0%
S175	DIS. K	mg/L	29	26MAY1999 - 26APR2000	16	2.10	0.22	1.799	1.9505	2.0345	2.26	2.567	0	0	0.0%
S175	DIS. MG	mg/L	31	26MAY1999 - 26APR2000	16	6.24	1.48	3.903	5.081	6.0575	7.3775	9.291	0	0	0.0%
S175	DIS. NA	mg/L	28	26MAY1999 - 26APR2000	16	24.54	4.41	18.253	21.649	24.124	26.921	35.903	0	0	0.0%
S175	DIS. SILICA	mg/L	27	06JUL1999 - 26APR2000	4	6.37	1.62	4.7	5.0875	6.21	7.648	8.351	0	0	0.0%
S175	DO	mg/L	8	11MAY1999 - 26APR2000	45	3.38	1.81	0.094	1.89	3.41	4.95	6.61	0	34	75.6%
S175	FLDCOND.	UMHOS/CM	9	11MAY1999 - 26APR2000	45	493.23	89.57	5.24	490	501	522	681	0	0	0.0%
S175	HARDNESS	mg/L CaCO3	35	26MAY1999 - 26APR2000	16	207.94	10.44	191.45653	198.30847	210.01044	216.86334	225.11224	0	0	0.0%
S175	LABCOND.	UMHOS/CM	14	27JUL1999 - 08DEC1999	28	490.36	44.00	304	477	496.5	520.5	537	0	0	0.0%
S175	NH4	mg N/L	182	26MAY1999 - 26APR2000	39	0.15	0.05	0.03	0.119	0.15	0.174	0.256	0	0	0.0%
S175	NNH4	mg N/L	92	26MAY1999 - 26APR2000	36	0.19	0.07	0.059	0.1555	0.187	0.2235	0.324	0	0	0.0%
S175	NO2	mg N/L	19	26MAY1999 - 26APR2000	38	0.00	0.00	<0.004	<0.004	0	0.005	0.01	19	0	0.0%
S175	NO3	mg N/L	78	26MAY1999 - 26APR2000	35	0.05	0.04	0.007	0.024	0.031	0.061	0.175	0	0	0.0%
S175	NOX	mg N/L	18;180	26MAY1999 - 26APR2000	36	0.05	0.04	0.007	0.026	0.033	0.063	0.183	0	0	0.0%
S175	ORP4	mg P/L	23	26MAY1999 - 26APR2000	37	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.009	25	0	0.0%
S175	ORGN	mg N/L	79	26MAY1999 - 26APR2000	39	0.52	0.10	<0.5	<0.5	0.446	0.56	0.788	11	0	0.0%
S175	PH	UNITS	10	11MAY1999 - 26APR2000	45	7.53	0.28	6.73	7.35	7.5	7.72	8.09	0	0	0.0%
S175	PHEOPHYTIN A	mg/m3	64	26MAY1999 - 26APR2000	15	1.00	0.00	<1	<1	<1	<1	<1	15	0	0.0%
S175	SALINITY	UNITS	98	09NOV1999 - 09NOV1999	1	0.20		0.2	0.2	0.2	0.2	0.2	0	0	0.0%
S175	TEMP	CENT	7	11MAY1999 - 26APR2000	45	26.05	2.17	21.18	24.47	26.44	27.65	30.34	0	0	0.0%
S175	TKN	mg N/L	21	26MAY1999 - 26APR2000	39	0.63	0.13	<0.5	<0.5	0.621	0.69	0.955	11	0	0.0%
S175	TN	mg N/L	80	26MAY1999 - 26APR2000	39	0.67	0.15	<0.5	<0.5	0.667	0.739	0.998	11	0	0.0%
S175	TOT. AS	ug/L	106	26MAY1999 - 26APR2000	12	1.54	0.14	<1.5	<1.5	<1.5	<1.5	<2	12	0	0.0%
S175	TOT. CD	ug/L	103	26MAY1999 - 26APR2000	12	0.32	0.06	<0.3	<0.3	<0.3	<0.3	<0.5	12	0	0.0%
S175	TOT. CL	mg/L	32	26MAY1999 - 26APR2000	16	37.00	5.98	29.23	32.6	36.72	40.42	49.1	0	0	0.0%
S175	TOT. CU	ug/L	104	26MAY1999 - 26APR2000	12	1.23	0.16	<1.2	<1.2	<1.2	<1.2	1.71	11	0	0.0%
S175	TOT. FE	mg/L	177	26MAY1999 - 26APR2000	15	0.33	0.14	0.089292	0.226505	0.302722	0.422491	0.599654	0	0	0.0%
S175	TOT. PB	ug/L	107	26MAY1999 - 26APR2000	12	0.87	0.19	<0.8	<0.8	<0.8	<1	1.457	11	0	0.0%
S175	TOT. SO4	mg/L	33	06JUL1999 - 26APR2000	2	5.35	1.17	4.52	4.52	5.345	6.17	6.17	0	0	0.0%
S175	TOT. ZN	ug/L	105	23JUN1999 - 26APR2000	11	3.93	0.31	<4	<4	<4	3	4.174	8	0	0.0%
S175	TOTAL DEPTH	METERS	99	08DEC1999 - 26APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S175	TP	mg P/L	25	11MAY1999 - 26APR2000	46	0.01	0.00	0.004	0.006	0.0065	0.008	0.015	0	0	0.0%
S175	TSS	mg/L	16	26MAY1999 - 26APR2000	39	3.23	0.93	<3	<3	<3	<3	8	35	0	0.0%
S175	TURBIDITY	NTU	12	26MAY1999 - 26APR2000	38	2.57	1.48	1.14	1.78	2.16	3.06	9.51	0	0	0.0%
S175	UN-IONIZED AMMONIA	mg/L	NONE	11MAY1999 - 26APR2000	36	0.00	0.00	0.000584	0.001956	0.002818	0.004118	0.015856	0	0	0.0%
S190	% SAT. DO	PERCENT	76	20MAY1999 - 17APR2000	17	63.47	37.27	19.2556	26.2602	51.8901	91.6689	128.9865	0	0	0.0%
S190	ALKALINITY	mg/L	67	20MAY1999 - 17APR2000	18	216.01	46.11	118	193.3	215.1	257.9	276.9	0	0	0.0%
S190	COLOR	UNITS	13	20MAY1999 - 17APR2000	18	71.28	27.21	30	49	70.5	86	121	0	0	0.0%
S190	DIS. CA	mg/L	30	15JUL1999 - 17APR2000	4	81.41	17.17	57.967	68.694	85.832	94.1345	96.026	0	0	0.0%
S190	DIS. K	mg/L	29	15JUL1999 - 17APR2000	4	2.24	0.59	1.709	1.857	2.087	2.6235	3.078	0	0	0.0%
S190	DIS. MG	mg/L	31	15JUL1999 - 17APR2000	4	6.85	2.11	4.383	5.2775	6.8205	8.432	9.395	0	0	0.0%
S190	DIS. NA	mg/L	28	15JUL1999 - 17APR2000	4	28.42	12.71	15.057	19.4475	26.673	37.393	45.278	0	0	0.0%
S190	DIS. SILICA	mg/L	27	15JUL1999 - 17APR2000	4	7.07	2.15	4.065	5.7545	7.5405	8.394	9.151	0	0	0.0%
S190	DO	mg/L	8	20MAY1999 - 17APR2000	17	5.20	3.05	1.58	2.16	4.53	7.41	10.31	0	9	52.9%
S190	FLDCOND.	UMHOS/CM	9	20MAY1999 - 17APR2000	17	533.82	122.44	305	453	536	629	720	0	0	0.0%
S190	HARDNESS	mg/L CaCO3	35	15JUL1999 - 17APR2000	4	231.51	51.19	162.78403	193.25111	242.39568	269.75996	278.44674	0	0	0.0%
S190	NH4	mg N/L	182	20MAY1999 - 17APR2000	18	0.03	0.03	<0.009	<0.009	<0.009	0.054	0.095	10	0	0.0%
S190	NNH4	mg N/L	92	20MAY1999 - 17APR2000	18	0.04	0.05	<0.009	0.004	0.011	0.09	0.127	3	0	0.0%
S190	NO2	mg N/L	19	20MAY1999 - 17APR2000	18	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.007	10	0	0.0%
S190	NO3	mg N/L	78	20MAY1999 - 17APR2000	18	0.01	0.01	<0.004	0.004	0.0075	0.019	0.045	4	0	0.0%
S190	NOX	mg N/L	18;180	20MAY1999 - 17APR2000	18	0.02	0.01	<0.004	0.004	0.011	0.019	0.052	3	0	0.0%
S190	ORP4	mg P/L	23	20MAY1999 - 17APR2000	18	0.03	0.04	0.005	0.007	0.013	0.035	0.146	0	0	0.0%
S190	ORGN	mg N/L	79	20MAY1999 - 17APR2000	18	0.99	0.13	0.774	0.912	0.9555	1.064	1.374	0	0	0.0%
S190	PH	UNITS	10	20MAY1999 - 17APR2000	17	7.52	0.46	6.35	7.24	7.52	7.89	8.19	0	0	0.0%
S190	TEMP	CENT	7	20MAY1999 - 17APR2000	17	27.06	3.61	17.97	26.59	27.76	29.32	33.53	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S332	% SAT. DO	PERCENT	76	11MAY1999 - 26APR2000	46	39.47	22.27	3.8108	19.8358	46.57925	59.2935	70.442809	0	0	0.0%
S332	ALKALINE PHOS	nM/minml	168	11MAY1999 - 26APR2000	24	10.51	7.56	1.5	4.2	9.7085	13.896	30.572	0	0	0.0%
S332	ALKALINITY	mg/L	67	11MAY1999 - 26APR2000	25	200.34	9.85	184.5	191.9	200.9	206.7	219.3	0	0	0.0%
S332	CAROTENOID	mg/m3	63	11MAY1999 - 26APR2000	23	1.40	1.04	<1	<1	<1	1.3	5.5	13	0	0.0%
S332	CHLA	mg/m3	61	11MAY1999 - 26APR2000	23	1.87	1.36	<1	<1	<1	2.9	6	14	0	0.0%
S332	CHLA2	mg/m3	112	11MAY1999 - 26APR2000	23	1.76	1.04	<1	<1	1.1	2.6	4.4	10	0	0.0%
S332	CHLB	mg/m3	62	11MAY1999 - 26APR2000	23	1.04	0.17	<1	<1	<1	<1	1.8	21	0	0.0%
S332	CHLC	mg/m3	113	11MAY1999 - 26APR2000	23	1.09	0.34	<1	<1	<1	<1	2.6	20	0	0.0%
S332	COLOR	UNITS	13	11MAY1999 - 26APR2000	25	21.24	7.15	11	14	22	25	35	0	0	0.0%
S332	DIS. CA	mg/L	30	11MAY1999 - 26APR2000	25	73.22	3.78	64.715	71.07	72.925	75.326	80.913	0	0	0.0%
S332	DIS. K	mg/L	29	11MAY1999 - 26APR2000	25	2.16	0.28	1.799	1.923	2.125	2.322	2.978	0	0	0.0%
S332	DIS. MG	mg/L	31	11MAY1999 - 26APR2000	25	6.55	1.78	3.834	4.931	6.353	7.644	10.222	0	0	0.0%
S332	DIS. NA	mg/L	28	11MAY1999 - 26APR2000	25	25.46	4.77	16.324	22.165	24.485	27.966	34.528	0	0	0.0%
S332	DIS. SILICA	mg/L	27	06JUL1999 - 26APR2000	6	5.91	1.50	4.558	4.981	5.2555	6.923	8.483	0	0	0.0%
S332	DO	mg/L	8	11MAY1999 - 26APR2000	45	3.33	1.84	0.32	1.77	3.85	4.87	6.06	0	36	80.0%
S332	FLDCOND.	UMHOS/CM	9	11MAY1999 - 26APR2000	45	494.74	89.69	5.34	487	508	523	672	0	0	0.0%
S332	HARDNESS	mg/L CaCO3	35	11MAY1999 - 26APR2000	25	209.79	8.43	193.62208	205.00126	209.65243	217.50789	221.97203	0	0	0.0%
S332	LABCOND.	UMHOS/CM	14	27JUL1999 - 08DEC1999	28	490.29	45.10	298	474	500	515	537	0	0	0.0%
S332	NH4	mg N/L	182	11MAY1999 - 26APR2000	47	0.18	0.07	0.034	0.122	0.17	0.231	0.324	0	0	0.0%
S332	NNH4	mg N/L	92	11MAY1999 - 26APR2000	44	0.21	0.07	0.07	0.172	0.2105	0.255	0.349	0	0	0.0%
S332	NO2	mg N/L	19	11MAY1999 - 26APR2000	46	0.00	0.00	<0.004	<0.004	<0.004	0.005	0.009	24	0	0.0%
S332	NO3	mg N/L	78	11MAY1999 - 26APR2000	43	0.04	0.03	0.006	0.026	0.034	0.05	0.186	0	0	0.0%
S332	NOX	mg N/L	18:180	11MAY1999 - 26APR2000	44	0.04	0.03	0.006	0.0285	0.036	0.054	0.195	0	0	0.0%
S332	OP04	mg P/L	23	11MAY1999 - 26APR2000	46	0.00	0.00	<0.004	<0.004	<0.004	<0.004	0.008	37	0	0.0%
S332	ORGN	mg N/L	79	11MAY1999 - 26APR2000	47	0.54	0.14	<0.5	0.419	0.48	0.596	1.047	6	0	0.0%
S332	PH	UNITS	10	11MAY1999 - 26APR2000	45	7.47	0.31	6.6	7.29	7.43	7.7	8.13	0	0	0.0%
S332	PHEOPHYTIN A	mg/m3	64	11MAY1999 - 26APR2000	23	1.12	0.37	<1	<1	<1	<1	2.7	19	0	0.0%
S332	TEMP	CENT	7	11MAY1999 - 26APR2000	45	25.94	2.05	21.23	24.5	26.21	27.6	29.54	0	0	0.0%
S332	TKN	mg N/L	21	11MAY1999 - 26APR2000	47	0.69	0.16	<0.5	0.572	0.65	0.788	1.294	6	0	0.0%
S332	TN	mg N/L	80	11MAY1999 - 26APR2000	47	0.73	0.17	<0.5	0.599	0.704	0.823	1.324	6	0	0.0%
S332	TOT. AS	ug/L	106	11MAY1999 - 12APR2000	14	1.54	0.13	<1.5	<1.5	<1.5	<2	1.508	13	0	0.0%
S332	TOT. CD	ug/L	103	11MAY1999 - 12APR2000	14	0.31	0.05	<0.3	<0.3	<0.3	<0.3	<0.5	14	0	0.0%
S332	TOT. CL	mg/L	32	11MAY1999 - 26APR2000	25	38.46	7.29	26.46	33.8	37.83	41.54	57.35	0	0	0.0%
S332	TOT. CU	ug/L	104	11MAY1999 - 12APR2000	14	1.23	0.18	<1.2	<1.2	<1.2	<1.2	1.831	13	0	0.0%
S332	TOT. FE	mg/L	177	11MAY1999 - 26APR2000	24	0.30	0.10	0.125563	0.231454	0.293851	0.3598495	0.466655	0	0	0.0%
S332	TOT. PB	ug/L	107	11MAY1999 - 12APR2000	14	0.81	0.05	<0.8	<0.8	<0.8	<0.8	<1	14	0	0.0%
S332	TOT. SO4	mg/L	33	06JUL1999 - 26APR2000	3	4.35	1.92	2.42	2.42	4.38	6.25	6.25	0	0	0.0%
S332	TOT. ZN	ug/L	105	11MAY1999 - 12APR2000	14	4.41	1.23	<4	<4	<4	4.336	7.943	9	0	0.0%
S332	TOTAL DEPTH	METERS	99	08DEC1999 - 26APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S332	TP	mg P/L	25	11MAY1999 - 26APR2000	47	0.01	0.00	0.004	0.006	0.007	0.009	0.022	0	0	0.0%
S332	TSS	mg/L	16	11MAY1999 - 26APR2000	47	3.13	0.61	<3	<3	<3	<3	7	40	0	0.0%
S332	TURBIDITY	NTU	12	11MAY1999 - 26APR2000	46	2.54	1.64	1.05	1.73	2.24	2.77	12	0	0	0.0%
S332	UN-IONIZED AMMONIA	mg/L	NONE	11MAY1999 - 26APR2000	44	0.00	0.00	0.000125	0.002371	0.003095	0.005762	0.017978	0	0	0.0%
S38B	% SAT. DO	PERCENT	76	09JUN1999 - 17APR2000	5	71.78	40.26	8.3184	66.0665	72.0669	101.0927	111.3471	0	0	0.0%
S38B	ALKALINITY	mg/L	67	09JUN1999 - 17APR2000	5	153.34	16.93	135	139.4	152	165.2	175.1	0	0	0.0%
S38B	COLOR	UNITS	13	09JUN1999 - 17APR2000	5	53.80	58.26	26	28	28	29	158	0	0	0.0%
S38B	DIS. CA	mg/L	30	26JUL1999 - 17APR2000	2	63.52	13.46	54.001	54.001	63.522	73.043	73.043	0	0	0.0%
S38B	DIS. K	mg/L	29	26JUL1999 - 17APR2000	2	4.46	1.59	3.336	3.336	4.458	5.58	5.58	0	0	0.0%
S38B	DIS. MG	mg/L	31	26JUL1999 - 17APR2000	2	10.46	6.13	6.127	6.127	10.462	14.797	14.797	0	0	0.0%
S38B	DIS. NA	mg/L	28	26JUL1999 - 17APR2000	2	46.87	13.48	37.338	37.338	46.8675	56.397	56.397	0	0	0.0%
S38B	DIS. SILICA	mg/L	27	26JUL1999 - 17APR2000	2	11.02	7.19	5.936	5.936	11.0175	16.099	16.099	0	0	0.0%
S38B	DO	mg/L	8	09JUN1999 - 17APR2000	5	5.83	3.28	0.65	5.26	5.95	8.52	8.77	0	1	20.0%
S38B	FLDCOND.	UMHOS/CM	9	09JUN1999 - 17APR2000	5	529.20	89.30	451	465	477	625	628	0	0	0.0%
S38B	HARDNESS	mg/L CaCO3	35	26JUL1999 - 17APR2000	2	201.68	8.39	195.74495	195.74495	201.67603	207.6071	207.6071	0	0	0.0%
S38B	NH4	mg N/L	182	09JUN1999 - 17APR2000	5	0.03	0.02	<0.009	0.01	0.03	0.053	0.055	1	0	0.0%
S38B	NNH4	mg N/L	92	09JUN1999 - 17APR2000	5	0.05	0.05	0.004	0.018	0.037	0.104	0.108	0	0	0.0%
S38B	NO2	mg N/L	19	09JUN1999 - 17APR2000	5	0.01	0.00	<0.004	<0.004	<0.004	0.008	0.012	3	0	0.0%
S38B	NO3	mg N/L	78	09JUN1999 - 17APR2000	5	0.02	0.02	0.004	0.007	0.008	0.041	0.043	0	0	0.0%
S38B	NOX	mg N/L	18:180	09JUN1999 - 17APR2000	5	0.02	0.03	0.004	0.007	0.008	0.051	0.053	0	0	0.0%
S38B	OP04	mg P/L	23	09JUN1999 - 17APR2000	5	0.01	0.01	<0.004	<0.004	0.004	0.011	0.016	2	0	0.0%
S38B	ORGN	mg N/L	79	09JUN1999 - 17APR2000	5	1.05	0.42	0.745	0.825	0.924	0.974	1.777	0	0	0.0%
S38B	PH	UNITS	10	09JUN1999 - 17APR2000	5	7.59	0.33	7.09	7.55	7.55	7.82	7.94	0	0	0.0%
S38B	TEMP	CENT	7	09JUN1999 - 17APR2000	5	27.90	2.09	25.11	26.36	28.63	29.32	30.08	0	0	0.0%
S38B	TKN	mg N/L	21	09JUN1999 - 17APR2000	5	1.08	0.42	0.8	0.825	0.934	1.027	1.807	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
G64	% SAT. DO	PERCENT	76	12MAY1999 - 17APR2000	21	15.80	15.76	2.0754	5.3609	9.6861	19.2361	60.269	0	0	0.0%
G64	ALKALINITY	mg/L	67	12MAY1999 - 17APR2000	21	305.79	24.07	263.7	287.2	305.5	322.6	343.7	0	0	0.0%
G64	COLOR	UNITS	13	12MAY1999 - 17APR2000	20	86.05	13.65	51	78.5	83.5	95	108	0	0	0.0%
G64	DIS. CA	mg/L	30	08JUL1999 - 03APR2000	4	92.87	4.12	89.865	90.2785	91.362	95.465	98.898	0	0	0.0%
G64	DIS. K	mg/L	29	08JUL1999 - 03APR2000	4	5.74	0.26	5.502	5.5385	5.6935	5.943	6.074	0	0	0.0%
G64	DIS. MG	mg/L	31	08JUL1999 - 03APR2000	4	25.36	1.45	24.272	24.4735	24.8305	26.239	27.492	0	0	0.0%
G64	DIS. NA	mg/L	28	08JUL1999 - 03APR2000	4	61.01	4.91	56.194	57.665	60.0385	64.3475	67.754	0	0	0.0%
G64	DIS. SILICA	mg/L	27	08JUL1999 - 17APR2000	7	17.10	1.67	15.051	15.173	16.938	18.999	19.364	0	0	0.0%
G64	DO	mg/L	8	12MAY1999 - 17APR2000	21	1.36	1.32	0.18	0.48	0.81	1.81	4.98	0	21	100.0%
G64	FLDCOND.	UMHOS/CM	9	12MAY1999 - 17APR2000	21	903.76	67.89	783	847	906	969	1008	0	0	0.0%
G64	HARDNESS	mg/L CaCO3	35	08JUL1999 - 03APR2000	4	336.27	16.17	324.29646	326.79838	330.33325	345.73579	360.10538	0	0	0.0%
G64	NH4	mg N/L	182	12MAY1999 - 17APR2000	21	0.31	0.16	0.089	0.208	0.289	0.393	0.689	0	0	0.0%
G64	NNH4	mg N/L	92	12MAY1999 - 17APR2000	20	0.31	0.16	0.093	0.1945	0.29	0.42	0.697	0	0	0.0%
G64	NO2	mg N/L	19	12MAY1999 - 03APR2000	20	0.01	0.00	<0.004	<0.004	<0.004	0.005	0.023	13	0	0.0%
G64	NO3	mg N/L	78	12MAY1999 - 03APR2000	19	0.01	0.01	<0.004	0.004	0.007	0.013	0.053	4	0	0.0%
G64	NOX	mg N/L	18,180	12MAY1999 - 17APR2000	20	0.01	0.01	<0.004	0.005	0.008	0.017	0.064	2	0	0.0%
G64	OPO4	mg P/L	23	12MAY1999 - 03APR2000	20	0.01	0.00	<0.004	0.005	0.005	0.0075	0.01	1	0	0.0%
G64	ORGN	mg N/L	79	12MAY1999 - 17APR2000	21	1.51	0.21	1.177	1.371	1.478	1.609	1.99	0	0	0.0%
G64	PH	UNITS	10	12MAY1999 - 17APR2000	21	7.20	0.20	6.59	7.13	7.23	7.32	7.46	0	0	0.0%
G64	TEMP	CENT	7	12MAY1999 - 17APR2000	21	23.48	2.93	18.69	21.58	23.41	25.47	28.3	0	0	0.0%
G64	TKN	mg N/L	21	12MAY1999 - 17APR2000	21	1.82	0.28	1.494	1.566	1.764	1.978	2.382	0	0	0.0%
G64	TN	mg N/L	80	12MAY1999 - 17APR2000	21	1.83	0.29	1.504	1.578	1.768	2.01	2.446	0	0	0.0%
G64	TOT. CD	ug/L	103	08JUL1999 - 04JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
G64	TOT. CL	mg/L	32	12MAY1999 - 17APR2000	21	93.18	10.10	69.46	87.56	94.52	97.95	116.24	0	0	0.0%
G64	TOT. CU	ug/L	104	08JUL1999 - 04JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
G64	TOT. FE	mg/L	177	08JUL1999 - 03APR2000	4	0.05	0.02	0.025733	0.03461	0.046126	0.05589	0.063015	0	0	0.0%
G64	TOT. SO4	mg/L	33	08JUL1999 - 17APR2000	7	19.66	13.22	<0.1	16.67	17.51	21.9	45	1	0	0.0%
G64	TOT. ZN	ug/L	105	08JUL1999 - 04JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
G64	TP	mg P/L	25	12MAY1999 - 17APR2000	19	0.03	0.01	0.016	0.022	0.024	0.029	0.042	0	0	0.0%
G64	TSS	mg/L	16	12MAY1999 - 17APR2000	21	3.14	0.65	<3	<3	<3	<3	6	19	0	0.0%
G64	TURBIDITY	NTU	12	12MAY1999 - 17APR2000	21	3.73	2.96	0.588	1.68	3.35	4.47	11.3	0	0	0.0%
G64	UN-IONIZED AMMONIA	mg/L	NONE	12MAY1999 - 17APR2000	21	0.00	0.00	0.000436	0.001507	0.002604	0.005499	0.008277	0	0	0.0%
G69	TOTAL DEPTH	METERS	99	20DEC1999 - 20DEC1999	1	0.00		0	0	0	0	0	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S12D	% SAT. DO	PERCENT	76	10MAY1999 - 24APR2000	25	36.52	12.44	21.3249	30.6744	35.1073	39.2598	81.5411	0	0	0.0%
S12D	ALKALINE PHOS	nM/minml	168	25MAY1999 - 24APR2000	20	7.37	2.64	3.7	5.5125	6.449	9.2405	12.6	0	0	0.0%
S12D	ALKALINITY	mg/L	67	25MAY1999 - 24APR2000	20	158.51	23.15	105.3	142.15	163.2	174	193.8	0	0	0.0%
S12D	CAROTENOID	mg/m3	63	25MAY1999 - 24APR2000	19	1.37	0.75	<1	<1	<1	1.3	3.6	14	0	0.0%
S12D	CHLA	mg/m3	61	25MAY1999 - 24APR2000	19	2.22	2.19	<1	<1	1.3	2.1	8.4	8	0	0.0%
S12D	CHLA2	mg/m3	112	25MAY1999 - 24APR2000	19	1.99	1.83	<1	<1	1.2	2.4	7.9	6	0	0.0%
S12D	CHLB	mg/m3	62	25MAY1999 - 24APR2000	19	1.01	0.05	<1	<1	<1	<1	1.2	18	0	0.0%
S12D	CHLC	mg/m3	113	25MAY1999 - 24APR2000	19	1.06	0.28	<1	<1	<1	<1	2.2	17	0	0.0%
S12D	COLOR	UNITS	13	25MAY1999 - 24APR2000	20	42.50	12.47	19	32.5	45.5	49	65	0	0	0.0%
S12D	DIS. CA	mg/L	30	25MAY1999 - 24APR2000	19	54.30	7.31	37.998	51.17	54.606	60.145	66.814	0	0	0.0%
S12D	DIS. K	mg/L	29	25MAY1999 - 24APR2000	19	2.97	0.89	1.285	2.548	3.081	3.719	4.186	0	0	0.0%
S12D	DIS. MG	mg/L	31	25MAY1999 - 24APR2000	19	8.72	3.50	2.859	5.417	9.709	12.096	13.87	0	0	0.0%
S12D	DIS. NA	mg/L	28	25MAY1999 - 24APR2000	19	30.58	10.66	13.78	21.476	34.154	39.313	48.554	0	0	0.0%
S12D	DIS. SILICA	mg/L	27	07JUL1999 - 03JAN2000	5	9.20	1.33	7.383	8.782	8.834	10.48	10.537	0	0	0.0%
S12D	DO	mg/L	8	10MAY1999 - 24APR2000	25	3.11	1.07	1.64	2.48	2.94	3.34	6.49	0	24	96.0%
S12D	FLDCOND.	UMHOS/CM	9	10MAY1999 - 24APR2000	25	448.52	98.39	291	345	470	524	609	0	0	0.0%
S12D	HARDNESS	mg/L CaCO3	35	25MAY1999 - 24APR2000	19	171.48	31.86	106.64865	149.61938	177.19013	201.10933	223.92348	0	0	0.0%
S12D	LABCOND.	UMHOS/CM	14	06DEC1999 - 06DEC1999	1	566.00		566		566		566	0	0	0.0%
S12D	NH4	mg N/L	182	25MAY1999 - 24APR2000	20	0.04	0.05	0.016	0.025	0.0305	0.039	0.236	0	0	0.0%
S12D	NNH4	mg N/L	92	25MAY1999 - 24APR2000	20	0.08	0.06	0.034	0.0495	0.0605	0.0745	0.304	0	0	0.0%
S12D	NO2	mg N/L	19	25MAY1999 - 24APR2000	20	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.009	14	0	0.0%
S12D	NO3	mg N/L	78	25MAY1999 - 24APR2000	20	0.03	0.03	0.006	0.018	0.0275	0.045	0.111	0	0	0.0%
S12D	NOX	mg N/L	18;180	25MAY1999 - 24APR2000	20	0.04	0.03	0.006	0.0195	0.0275	0.048	0.119	0	0	0.0%
S12D	OPO4	mg P/L	23	25MAY1999 - 24APR2000	20	0.01	0.00	<0.004	<0.004	<0.004	0.0055	0.01	12	0	0.0%
S12D	ORGN	mg N/L	79	25MAY1999 - 24APR2000	20	0.94	0.16	0.697	0.817	0.9255	1.0595	1.307	0	0	0.0%
S12D	PH	UNITS	10	10MAY1999 - 24APR2000	25	7.39	0.18	7.01	7.27	7.37	7.46	7.88	0	0	0.0%
S12D	PHEOPHYTIN A	mg/m3	64	25MAY1999 - 24APR2000	19	1.17	0.50	<1	<1	<1	<1	2.9	16	0	0.0%
S12D	TEMP	CENT	7	10MAY1999 - 24APR2000	25	24.95	3.89	17.97	22.56	24.33	28.14	31.35	0	0	0.0%
S12D	TKN	mg N/L	21	25MAY1999 - 24APR2000	20	0.98	0.17	0.735	0.8505	0.97	1.1055	1.344	0	0	0.0%
S12D	TN	mg N/L	80	25MAY1999 - 24APR2000	20	1.02	0.18	0.756	0.87	0.9895	1.149	1.38	0	0	0.0%
S12D	TOT. AS	ug/L	106	25MAY1999 - 24APR2000	12	1.54	0.14	<1.5	<1.5	<1.5	<1.5	<2	12	0	0.0%
S12D	TOT. CD	ug/L	103	25MAY1999 - 24APR2000	12	0.38	0.22	<0.3	<0.3	<0.3	<0.5	1.051	11	0	0.0%
S12D	TOT. CL	mg/L	32	25MAY1999 - 24APR2000	19	43.43	13.96	20.55	31.98	46.6	54.72	66.9	0	0	0.0%
S12D	TOT. CU	ug/L	104	25MAY1999 - 24APR2000	12	1.34	0.55	<1.2	<1.2	<1.2	<1.2	3.089	11	0	0.0%
S12D	TOT. FE	mg/L	177	25MAY1999 - 24APR2000	20	0.09	0.06	0.030777	0.0535275	0.076311	0.0923355	0.232317	0	0	0.0%
S12D	TOT. PB	ug/L	107	25MAY1999 - 24APR2000	12	0.82	0.06	<0.8	<0.8	<0.8	<0.8	<1	12	0	0.0%
S12D	TOT. SO4	mg/L	33	07JUL1999 - 03JAN2000	5	13.74	5.83	8.35	11.1	12.26	13.37	23.63	0	0	0.0%
S12D	TOT. ZN	ug/L	105	22JUN1999 - 24APR2000	11	4.37	1.78	<4	<4	<4	1.1	7.868	8	0	0.0%
S12D	TOTAL DEPTH	METERS	99	20DEC1999 - 24APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S12D	TP	mg P/L	25	10MAY1999 - 24APR2000	25	0.01	0.01	0.005	0.008	0.012	0.014	0.027	0	0	0.0%
S12D	TSS	mg/L	16	25MAY1999 - 24APR2000	20	3.05	0.22	<3	<3	<3	<3	4	17	0	0.0%
S12D	TURBIDITY	NTU	12	25MAY1999 - 24APR2000	20	1.16	0.60	0.432	0.6585	1.075	1.54	2.36	0	0	0.0%
S12D	UN-IONIZED AMMONIA	mg/L	NONE	10MAY1999 - 24APR2000	18	0.00	0.00	0.000218	0.000318	0.000461	0.001005	0.005837	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S10E	% SAT. DO	PERCENT	76	24MAY1999 - 24APR2000	11	39.10	18.81	10.7299	22.2868	41.2998	59.1964	66.3291	0	0	0.0%
S10E	ALKALINITY	mg/L	67	24MAY1999 - 24APR2000	12	269.19	69.86	191.6	213.85	255.45	320.7	419.3	0	0	0.0%
S10E	COLOR	UNITS	13	24MAY1999 - 24APR2000	12	119.83	36.04	70	88	117.5	157	170	0	0	0.0%
S10E	DIS. CA	mg/L	30	19JUL1999 - 24APR2000	4	87.85	19.16	71.053	72.8725	83.794	102.834	112.772	0	0	0.0%
S10E	DIS. K	mg/L	29	19JUL1999 - 24APR2000	4	8.01	0.65	7.037	7.6765	8.3195	8.3405	8.358	0	0	0.0%
S10E	DIS. MG	mg/L	31	19JUL1999 - 24APR2000	4	28.86	8.11	22.602	23.0265	26.3095	34.69	40.212	0	0	0.0%
S10E	DIS. NA	mg/L	28	19JUL1999 - 24APR2000	4	98.16	13.57	82.334	87.444	98.4565	108.882	113.405	0	0	0.0%
S10E	DIS. SILICA	mg/L	27	19JUL1999 - 24APR2000	4	21.50	6.39	15.632	16.8315	20.07	26.1585	30.208	0	0	0.0%
S10E	DO	mg/L	8	24MAY1999 - 24APR2000	11	3.41	1.76	0.88	1.85	3.59	5.29	5.89	0	8	72.7%
S10E	FLDCOND.	UMHOS/CM	9	24MAY1999 - 24APR2000	11	1018.18	206.71	772	877	993	1225	1396	0	2	18.2%
S10E	HARDNESS	mg/L CaCO3	35	19JUL1999 - 24APR2000	4	338.15	81.00	270.44917	276.73971	317.52352	399.56054	447.10428	0	0	0.0%
S10E	NH4	mg N/L	182	24MAY1999 - 24APR2000	12	0.22	0.29	<0.009	0.0195	0.072	0.4215	0.789	1	0	0.0%
S10E	NNH4	mg N/L	92	24MAY1999 - 24APR2000	12	0.60	0.64	0.03	0.1395	0.4005	0.7865	1.986	0	0	0.0%
S10E	NO2	mg N/L	19	24MAY1999 - 24APR2000	12	0.05	0.05	<0.004	0.0115	0.017	0.0745	0.157	1	0	0.0%
S10E	NO3	mg N/L	78	24MAY1999 - 24APR2000	12	0.34	0.33	0.014	0.1145	0.2675	0.3775	1.152	0	0	0.0%
S10E	NOX	mg N/L	18;180	24MAY1999 - 24APR2000	12	0.38	0.38	0.014	0.125	0.3175	0.3945	1.309	0	0	0.0%
S10E	OP04	mg P/L	23	24MAY1999 - 24APR2000	12	0.04	0.04	0.007	0.0135	0.03	0.073	0.105	0	0	0.0%
S10E	ORGN	mg N/L	79	24MAY1999 - 24APR2000	12	2.34	0.76	1.566	1.6755	2.114	2.884	3.911	0	0	0.0%
S10E	PH	UNITS	10	24MAY1999 - 24APR2000	11	7.49	0.45	7.09	7.17	7.34	7.63	8.44	0	0	0.0%
S10E	TEMP	CENT	7	24MAY1999 - 24APR2000	11	24.10	3.61	17.7	22.05	23.28	26.77	31.33	0	0	0.0%
S10E	TKN	mg N/L	21	24MAY1999 - 24APR2000	12	2.56	0.89	1.582	1.817	2.176	3.22	3.965	0	0	0.0%
S10E	TN	mg N/L	80	24MAY1999 - 24APR2000	12	2.94	1.13	1.596	2.1155	2.4895	3.892	4.893	0	0	0.0%
S10E	TOT. AS	ug/L	106	19JUL1999 - 31JAN2000	2	2.91	1.06	2.16	2.16	2.907	3.654	3.654	0	0	0.0%
S10E	TOT. CD	ug/L	103	19JUL1999 - 31JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S10E	TOT. CL	mg/L	32	24MAY1999 - 24APR2000	11	133.18	28.70	90.14	113.35	128.46	162.91	188.1	0	0	0.0%
S10E	TOT. CU	ug/L	104	19JUL1999 - 31JAN2000	2	1.27	0.09	<1.2	<1.2	0.0665	1.333	1.333	1	0	0.0%
S10E	TOT. FE	mg/L	177	19JUL1999 - 24APR2000	4	0.26	0.19	0.106278	0.106899	0.2280565	0.418526	0.488459	0	0	0.0%
S10E	TOT. PB	ug/L	107	19JUL1999 - 31JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S10E	TOT. SO4	mg/L	33	25OCT1999 - 24APR2000	3	54.58	9.32	44.99	44.99	55.16	63.6	63.6	0	0	0.0%
S10E	TOT. ZN	ug/L	105	19JUL1999 - 31JAN2000	2	5.46	2.06	<4	<4	1.457	6.914	6.914	1	0	0.0%
S10E	TP	mg P/L	25	24MAY1999 - 24APR2000	12	0.10	0.04	0.039	0.057	0.1005	0.132	0.176	0	0	0.0%
S10E	TSS	mg/L	16	24MAY1999 - 24APR2000	12	15.08	11.33	3	6	12	21	40	0	0	0.0%
S10E	TURBIDITY	NTU	12	24MAY1999 - 24APR2000	12	15.52	14.25	5.54	6.51	9.355	20	50	0	2	16.7%
S10E	UN-IONIZED AMMONIA	mg/L	NONE	24MAY1999 - 24APR2000	11	0.01	0.01	0.000096	0.000190	0.001850	0.007524	0.027148	0	1	9.1%
S34	% SAT. DO	PERCENT	76	28JUN1999 - 17APR2000	16	28.75	20.27	8.5199	14.0014	23.9785	36.8456	80.2828	0	0	0.0%
S34	ALKALINITY	mg/L	67	28JUN1999 - 17APR2000	17	192.26	38.76	130.3	154.5	202.3	227.4	248.4	0	0	0.0%
S34	COLOR	UNITS	13	28JUN1999 - 17APR2000	17	65.94	22.13	35	51	62	77	109	0	0	0.0%
S34	DIS. CA	mg/L	30	12JUL1999 - 17APR2000	4	53.96	6.18	45.78	50.1445	54.64	57.784	60.797	0	0	0.0%
S34	DIS. K	mg/L	29	12JUL1999 - 17APR2000	4	4.76	2.02	2.949	3.163	4.3595	6.3515	7.361	0	0	0.0%
S34	DIS. MG	mg/L	31	12JUL1999 - 17APR2000	4	15.96	3.56	11.29	13.34	16.491	18.5885	19.585	0	0	0.0%
S34	DIS. NA	mg/L	28	12JUL1999 - 17APR2000	4	50.90	16.77	37.223	39.2185	45.883	62.5835	74.615	0	0	0.0%
S34	DIS. SILICA	mg/L	27	12JUL1999 - 17APR2000	5	12.93	3.69	9.926	9.989	12.098	13.777	18.878	0	0	0.0%
S34	DO	mg/L	8	28JUN1999 - 17APR2000	16	2.48	1.75	0.7	1.165	2.275	3.22	6.95	0	14	87.5%
S34	FLDCOND.	UMHOS/CM	9	28JUN1999 - 17APR2000	16	647.88	152.92	413	518.5	681	720	990	0	0	0.0%
S34	HARDNESS	mg/L CaCO3	35	12JUL1999 - 17APR2000	4	200.46	28.30	160.7823	180.44536	208.41463	220.46981	224.21878	0	0	0.0%
S34	NH4	mg N/L	182	28JUN1999 - 17APR2000	17	0.06	0.04	0.012	0.023	0.057	0.077	0.132	0	0	0.0%
S34	NNH4	mg N/L	92	28JUN1999 - 17APR2000	16	0.07	0.04	0.027	0.0435	0.069	0.0975	0.157	0	0	0.0%
S34	NO2	mg N/L	19	28JUN1999 - 17APR2000	17	0.00	0.00	<0.004	<0.004	<0.004	<0.004	0.007	13	0	0.0%
S34	NO3	mg N/L	78	28JUN1999 - 17APR2000	16	0.02	0.01	0.005	0.009	0.0125	0.024	0.039	0	0	0.0%
S34	NOX	mg N/L	18;180	28JUN1999 - 17APR2000	16	0.02	0.01	0.005	0.009	0.0135	0.0245	0.043	0	0	0.0%
S34	OP04	mg P/L	23	28JUN1999 - 17APR2000	17	0.01	0.00	<0.004	0.004	0.005	0.006	0.013	1	0	0.0%
S34	ORGN	mg N/L	79	28JUN1999 - 17APR2000	17	1.26	0.35	0.707	1.015	1.225	1.469	1.805	0	0	0.0%
S34	PH	UNITS	10	28JUN1999 - 17APR2000	16	7.30	0.30	6.61	7.165	7.215	7.445	7.97	0	0	0.0%
S34	TEMP	CENT	7	28JUN1999 - 17APR2000	16	24.12	4.39	16.89	21.205	24.095	27.595	30.45	0	0	0.0%
S34	TKN	mg N/L	21	28JUN1999 - 17APR2000	17	1.31	0.35	0.729	1.038	1.295	1.552	1.817	0	0	0.0%
S34	TN	mg N/L	80	28JUN1999 - 17APR2000	17	1.33	0.35	0.734	1.045	1.319	1.563	1.86	0	0	0.0%
S34	TOT. AS	ug/L	106	12JUL1999 - 12JAN2000	2	1.56	0.09	<1.5	<1.5	0.062	1.624	1.624	1	0	0.0%
S34	TOT. CD	ug/L	103	12JUL1999 - 12JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S34	TOT. CL	mg/L	32	28JUN1999 - 17APR2000	17	73.79	22.04	43.78	55.53	73.48	82.69	126.92	0	0	0.0%
S34	TOT. CU	ug/L	104	12JUL1999 - 12JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S34	TOT. FE	mg/L	177	12JUL1999 - 17APR2000	4	0.05	0.03	0.023624	0.0236245	0.032424	0.0693415	0.09746	0	0	0.0%
S34	TOT. PB	ug/L	107	12JUL1999 - 12JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S34	TOT. SO4	mg/L	33	12JUL1999 - 17APR2000	5	20.26	16.00	5.82	9.33	11.2	34.2	40.74	0	0	0.0%
S34	TOT. ZN	ug/L	105	12JUL1999 - 12JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S34	TP	mg P/L	25	28JUN1999 - 17APR2000	17	0.02	0.01	0.007	0.012	0.019	0.022	0.027	0	0	0.0%
S34	TSS	mg/L	16	28JUN1999 - 17APR2000	17	3.00	0.00	<3	<3	<3	<3	<3	17	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S142	% SAT. DO	PERCENT	76	12MAY1999 - 17APR2000	16	33.05	25.86	3.3671	11.8993	28.5678	46.0379	94.6143	0	0	0.0%
S142	ALKALINITY	mg/L	67	12MAY1999 - 17APR2000	16	209.87	42.28	120.6	189.55	220.65	234.9	271.5	0	0	0.0%
S142	COLOR	UNITS	13	12MAY1999 - 17APR2000	16	76.38	19.40	43	65	69.5	89.5	110	0	0	0.0%
S142	DIS. CA	mg/L	30	08JUL1999 - 17APR2000	4	53.59	12.76	36.459	45.5365	55.298	61.642	67.302	0	0	0.0%
S142	DIS. K	mg/L	29	08JUL1999 - 17APR2000	4	4.43	0.99	3.41	3.5715	4.4905	5.279	5.31	0	0	0.0%
S142	DIS. MG	mg/L	31	08JUL1999 - 17APR2000	4	15.22	3.93	9.882	12.637	15.8645	17.809	19.281	0	0	0.0%
S142	DIS. NA	mg/L	28	08JUL1999 - 17APR2000	4	45.30	8.01	33.578	40.1975	48.379	50.4105	50.888	0	0	0.0%
S142	DIS. SILICA	mg/L	27	08JUL1999 - 17APR2000	6	12.59	2.68	9.766	10.878	11.679	14.538	17	0	0	0.0%
S142	DO	mg/L	8	12MAY1999 - 17APR2000	16	2.80	2.13	0.3	1.09	2.24	3.765	7.89	0	14	87.5%
S142	FLDCOND.	UMHOS/CM	9	12MAY1999 - 17APR2000	16	699.63	159.09	425	615	701	783.5	1092	0	0	0.0%
S142	HARDNESS	mg/L CaCO3	35	08JUL1999 - 17APR2000	4	196.47	48.00	131.71244	165.71853	203.37739	227.22192	247.41369	0	0	0.0%
S142	NH4	mg N/L	182	12MAY1999 - 17APR2000	16	0.07	0.06	0.012	0.0275	0.0475	0.079	0.205	0	0	0.0%
S142	NNH4	mg N/L	92	12MAY1999 - 17APR2000	16	0.10	0.07	0.025	0.0465	0.0845	0.116	0.236	0	0	0.0%
S142	NO2	mg N/L	19	12MAY1999 - 17APR2000	16	0.01	0.00	<0.004	<0.004	<0.004	0.0045	0.015	10	0	0.0%
S142	NO3	mg N/L	78	12MAY1999 - 17APR2000	16	0.03	0.04	0.004	0.008	0.019	0.0385	0.111	0	0	0.0%
S142	NOX	mg N/L	18;180	12MAY1999 - 17APR2000	16	0.04	0.04	0.004	0.008	0.019	0.043	0.126	0	0	0.0%
S142	OP04	mg P/L	23	12MAY1999 - 17APR2000	16	0.01	0.00	<0.004	0.0005	0.0065	0.0085	0.016	4	0	0.0%
S142	ORGN	mg N/L	79	12MAY1999 - 17APR2000	16	1.42	0.31	0.733	1.268	1.3855	1.5665	2.15	0	0	0.0%
S142	PH	UNITS	10	12MAY1999 - 17APR2000	16	7.17	0.40	6.3	6.995	7.275	7.405	7.76	0	0	0.0%
S142	TEMP	CENT	7	12MAY1999 - 17APR2000	16	24.06	4.11	17.8	20.295	24.14	27.66	30.31	0	0	0.0%
S142	TKN	mg N/L	21	12MAY1999 - 17APR2000	16	1.48	0.34	0.748	1.324	1.48	1.6275	2.355	0	0	0.0%
S142	TN	mg N/L	80	12MAY1999 - 17APR2000	16	1.52	0.35	0.758	1.335	1.5055	1.7085	2.383	0	0	0.0%
S142	TOT. CD	ug/L	103	08JUL1999 - 04JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S142	TOT. CL	mg/L	32	12MAY1999 - 17APR2000	16	83.17	20.82	47.62	71.445	80.115	88.565	140.68	0	0	0.0%
S142	TOT. CU	ug/L	104	08JUL1999 - 04JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S142	TOT. FE	mg/L	177	08JUL1999 - 17APR2000	4	0.03	0.03	0.009169	0.014718	0.026168	0.04994	0.067811	0	0	0.0%
S142	TOT. SO4	mg/L	33	08JUL1999 - 17APR2000	6	25.20	15.15	9.9	12.08	21.585	41.46	44.56	0	0	0.0%
S142	TOT. ZN	ug/L	105	08JUL1999 - 04JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S142	TP	mg P/L	25	12MAY1999 - 17APR2000	16	0.03	0.02	0.011	0.017	0.0195	0.032	0.097	0	0	0.0%
S142	TSS	mg/L	16	12MAY1999 - 17APR2000	16	3.31	1.25	<3	<3	<3	0	8	12	0	0.0%
S142	TURBIDITY	NTU	12	12MAY1999 - 17APR2000	16	1.79	2.03	0.596	0.7175	1.055	1.495	7.59	0	0	0.0%
S142	UN-IONIZED AMMONIA	mg/L	NONE	12MAY1999 - 17APR2000	16	0.00	0.00	0.000078	0.000246	0.000503	0.000662	0.002752	0	0	0.0%
S11A	% SAT. DO	PERCENT	76	26MAY1999 - 17APR2000	12	65.75	26.17	26.5759	39.4972	73.4124	87.30335	101.8003	0	0	0.0%
S11A	ALKALINITY	mg/L	67	26MAY1999 - 17APR2000	13	187.94	49.75	124.3	149.7	172.5	222.4	281.9	0	0	0.0%
S11A	COLOR	UNITS	13	26MAY1999 - 17APR2000	13	80.00	13.57	51	73	80	90	103	0	0	0.0%
S11A	DIS. CA	mg/L	30	12JUL1999 - 17APR2000	4	58.64	16.54	38.784	45.307	60.176	71.979	75.436	0	0	0.0%
S11A	DIS. K	mg/L	29	12JUL1999 - 17APR2000	4	5.30	1.80	3.949	4.086	4.676	6.5065	7.884	0	0	0.0%
S11A	DIS. MG	mg/L	31	12JUL1999 - 17APR2000	4	16.45	4.36	11.471	12.8465	16.7655	20.06	20.811	0	0	0.0%
S11A	DIS. NA	mg/L	28	12JUL1999 - 17APR2000	4	46.30	5.45	39.206	42.7175	46.785	49.8845	52.428	0	0	0.0%
S11A	DIS. SILICA	mg/L	27	12JUL1999 - 17APR2000	4	14.65	5.62	10.146	10.5245	13.0295	18.784	22.412	0	0	0.0%
S11A	DO	mg/L	8	26MAY1999 - 17APR2000	13	5.57	2.01	2.28	3.39	6.18	7.45	7.72	0	5	38.5%
S11A	FLDCOND.	UMHOS/CM	9	26MAY1999 - 17APR2000	13	686.92	133.04	472	604	688	797	935	0	0	0.0%
S11A	HARDNESS	mg/L CaCO3	35	12JUL1999 - 17APR2000	4	214.15	59.19	144.05828	166.00777	219.26627	262.29852	274.02177	0	0	0.0%
S11A	NH4	mg N/L	182	26MAY1999 - 17APR2000	13	0.03	0.04	<0.009	0.009	0.017	0.022	0.145	3	0	0.0%
S11A	NNH4	mg N/L	92	26MAY1999 - 17APR2000	13	0.25	0.69	0.005	0.016	0.024	0.034	2.505	0	0	0.0%
S11A	NO2	mg N/L	19	26MAY1999 - 17APR2000	13	0.01	0.03	<0.004	<0.004	<0.004	0.004	0.111	9	0	0.0%
S11A	NO3	mg N/L	78	26MAY1999 - 17APR2000	13	0.22	0.63	<0.004	0.005	0.007	0.012	2.249	2	0	0.0%
S11A	NOX	mg N/L	18;180	26MAY1999 - 17APR2000	13	0.23	0.66	<0.004	0.006	0.007	0.012	2.36	1	0	0.0%
S11A	OP04	mg P/L	23	26MAY1999 - 17APR2000	13	0.02	0.04	0.004	0.004	0.005	0.008	0.135	0	0	0.0%
S11A	ORGN	mg N/L	79	26MAY1999 - 17APR2000	13	1.48	0.38	0.973	1.255	1.329	1.663	2.431	0	0	0.0%
S11A	PH	UNITS	10	26MAY1999 - 17APR2000	13	7.57	0.23	7.11	7.55	7.59	7.69	7.87	0	0	0.0%
S11A	TEMP	CENT	7	26MAY1999 - 17APR2000	13	25.99	4.62	17.64	23.2	27.42	29.26	32.59	0	0	0.0%
S11A	TKN	mg N/L	21	26MAY1999 - 17APR2000	13	1.50	0.39	0.995	1.265	1.347	1.663	2.441	0	0	0.0%
S11A	TN	mg N/L	80	26MAY1999 - 17APR2000	13	1.73	0.90	1.007	1.271	1.353	1.668	4.261	0	0	0.0%
S11A	TOT. AS	ug/L	106	12JUL1999 - 24JAN2000	2	1.80	0.42	<1.5	<1.5	0.3	2.1	2.1	1	0	0.0%
S11A	TOT. CD	ug/L	103	12JUL1999 - 24JAN2000	2	0.31	0.01	<0.3	<0.3	0.0075	0.315	0.315	1	0	0.0%
S11A	TOT. CL	mg/L	32	26MAY1999 - 17APR2000	13	83.91	17.67	57.51	73.09	81.95	91.68	120.6	0	0	0.0%
S11A	TOT. CU	ug/L	104	12JUL1999 - 24JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S11A	TOT. FE	mg/L	177	12JUL1999 - 17APR2000	4	0.04	0.05	0.003456	0.0094835	0.0165015	0.0626855	0.107879	0	0	0.0%
S11A	TOT. PB	ug/L	107	12JUL1999 - 24JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S11A	TOT. SO4	mg/L	33	12JUL1999 - 17APR2000	4	33.01	15.71	18.04	19.455	33.255	46.56	47.48	0	0	0.0%
S11A	TOT. ZN	ug/L	105	12JUL1999 - 24JAN2000	2	4.07	0.10	<4	<4	0.0695	4.139	4.139	1	0	0.0%
S11A	TP	mg P/L	25	26MAY1999 - 17APR2000	13	0.03	0.04	0.009	0.012	0.014	0.016	0.16	0	0	0.0%
S11A	TSS	mg/L	16	26MAY1999 - 17APR2000	12	3.17	0.39	<3	<3	<3	<3	4	10	0	0.0%
S11A	TURBIDITY	NTU	12	26MAY1999 - 17APR2000	13	1.56	1.58	0.577	0.791	1.09	1.18	5.84	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S144	% SAT. DO	PERCENT	76	03MAY1999 - 17APR2000	19	55.32	24.18	24.0346	40.5418	50.9277	67.6844	129.3656	0	0	0.0%
S144	ALKALINITY	mg/L	67	03MAY1999 - 17APR2000	18	181.10	52.31	85.98	130	193.3	228.7	247.4	0	0	0.0%
S144	COLOR	UNITS	13	03MAY1999 - 17APR2000	19	73.11	22.55	11	68	74	83	108	0	0	0.0%
S144	DIS. CA	mg/L	30	26JUL1999 - 03APR2000	4	51.94	19.70	26.273	36.5125	56.4595	67.369	68.571	0	0	0.0%
S144	DIS. K	mg/L	29	26JUL1999 - 03APR2000	4	5.47	1.77	2.819	4.5265	6.2675	6.414	6.527	0	0	0.0%
S144	DIS. MG	mg/L	31	26JUL1999 - 03APR2000	4	16.71	6.55	7.494	12.428	18.2755	21.001	22.813	0	0	0.0%
S144	DIS. NA	mg/L	28	26JUL1999 - 03APR2000	4	56.77	20.44	26.73	43.9205	64.978	69.623	70.401	0	0	0.0%
S144	DIS. SILICA	mg/L	27	26JUL1999 - 17APR2000	6	15.22	6.12	9.024	9.521	15.0555	20.964	21.674	0	0	0.0%
S144	DO	mg/L	8	03MAY1999 - 17APR2000	19	4.72	2.17	1.85	3.45	4.29	5.98	11.28	0	11	57.9%
S144	FLDCOND.	UMHOS/CM	9	03MAY1999 - 17APR2000	19	706.63	184.06	322	561	739	843	1025	0	0	0.0%
S144	HARDNESS	mg/L CaCO3	35	26JUL1999 - 03APR2000	4	198.49	75.38	96.448985	142.32536	216.20133	254.66051	265.1201	0	0	0.0%
S144	NH4	mg N/L	182	03MAY1999 - 17APR2000	18	0.02	0.01	0.009	0.011	0.0145	0.022	0.051	0	0	0.0%
S144	NNH4	mg N/L	92	03MAY1999 - 17APR2000	18	0.15	0.39	0.01	0.019	0.0305	0.062	1.636	0	0	0.0%
S144	NO2	mg N/L	19	03MAY1999 - 17APR2000	19	0.01	0.01	<0.004	<0.004	<0.004	0.004	0.047	13	0	0.0%
S144	NO3	mg N/L	78	03MAY1999 - 17APR2000	18	0.13	0.37	<0.004	0.007	0.0095	0.039	1.538	2	0	0.0%
S144	NOX	mg N/L	18;180	03MAY1999 - 17APR2000	18	0.13	0.38	<0.004	0.008	0.0095	0.039	1.585	1	0	0.0%
S144	OPO4	mg P/L	23	03MAY1999 - 17APR2000	19	0.01	0.02	<0.004	<0.004	0.005	0.008	0.059	5	0	0.0%
S144	ORGN	mg N/L	79	17MAY1999 - 17APR2000	17	1.45	0.33	0.641	1.379	1.489	1.594	2.034	0	0	0.0%
S144	PH	UNITS	10	03MAY1999 - 17APR2000	19	7.52	0.26	7.04	7.38	7.5	7.66	8.06	0	0	0.0%
S144	TEMP	CENT	7	03MAY1999 - 17APR2000	19	25.05	3.70	17.51	21.62	25.99	27.55	31.28	0	0	0.0%
S144	TKN	mg N/L	21	06MAY1999 - 17APR2000	18	1.48	0.32	0.656	1.388	1.5195	1.645	2.044	0	0	0.0%
S144	TN	mg N/L	80	03MAY1999 - 17APR2000	19	1.55	0.58	<0.5	1.248	1.52	1.729	3.23	1	0	0.0%
S144	TOT. AS	ug/L	106	26JUL1999 - 12JAN2000	2	1.97	0.66	<1.5	<1.5	0.469	2.438	2.438	1	0	0.0%
S144	TOT. CD	ug/L	103	26JUL1999 - 12JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S144	TOT. CL	mg/L	32	06MAY1999 - 17APR2000	18	87.27	23.18	37.57	81.26	94.86	99.54	120.07	0	0	0.0%
S144	TOT. CU	ug/L	104	26JUL1999 - 12JAN2000	2	1.26	0.08	<1.2	<1.2	0.055	1.31	1.31	1	0	0.0%
S144	TOT. FE	mg/L	177	26JUL1999 - 03APR2000	4	0.01	0.00	0.005508	0.006796	0.0097095	0.012216	0.013097	0	0	0.0%
S144	TOT. PB	ug/L	107	26JUL1999 - 12JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S144	TOT. SO4	mg/L	33	26JUL1999 - 17APR2000	6	32.28	12.31	10.34	25.37	37.845	40.2	42.09	0	0	0.0%
S144	TOT. ZN	ug/L	105	26JUL1999 - 12JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S144	TOTAL DEPTH	METERS	99	03MAY1999 - 03MAY1999	2	0.50	0.00	0.5	0.5	0.5	0.5	0.5	0	0	0.0%
S144	TP	mg P/L	25	06MAY1999 - 17APR2000	18	0.03	0.03	0.007	0.01	0.0105	0.018	0.103	0	0	0.0%
S144	TSS	mg/L	16	03MAY1999 - 17APR2000	18	3.28	1.18	<3	<3	<3	<3	<3	8	14	0.0%
S144	TURBIDITY	NTU	12	03MAY1999 - 17APR2000	18	1.39	1.63	0.474	0.522	0.6625	1.09	6.64	0	0	0.0%
S144	UN-IONIZED AMMONIA	mg/L	NONE	03MAY1999 - 17APR2000	18	0.00	0.00	0.000139	0.000201	0.000288	0.000519	0.001933	0	0	0.0%
S145	% SAT. DO	PERCENT	76	03MAY1999 - 17APR2000	16	51.03	18.40	17.139	39.1513	52.54375	64.92715	81.678	0	0	0.0%
S145	ALKALINITY	mg/L	67	03MAY1999 - 17APR2000	17	170.45	55.74	70.07	124.3	166.2	198	250.1	0	0	0.0%
S145	COLOR	UNITS	13	03MAY1999 - 17APR2000	17	76.41	15.50	36	70	79	81	102	0	0	0.0%
S145	DIS. CA	mg/L	30	26JUL1999 - 17APR2000	4	48.83	19.41	21.763	35.589	53.3255	62.0615	66.887	0	0	0.0%
S145	DIS. K	mg/L	29	26JUL1999 - 17APR2000	4	5.13	2.08	2.466	3.4755	5.622	6.789	6.819	0	0	0.0%
S145	DIS. MG	mg/L	31	26JUL1999 - 17APR2000	4	14.95	7.16	6.026	9.5315	15.4845	20.3675	22.803	0	0	0.0%
S145	DIS. NA	mg/L	28	26JUL1999 - 17APR2000	4	45.77	17.90	22.724	32.787	47.5485	58.7485	65.25	0	0	0.0%
S145	DIS. SILICA	mg/L	27	26JUL1999 - 17APR2000	5	15.06	6.11	7.857	10.917	13.904	20.692	21.936	0	0	0.0%
S145	DO	mg/L	8	03MAY1999 - 17APR2000	16	4.37	1.67	1.33	3.175	4.44	5.85	6.79	0	9	56.3%
S145	FLDCOND.	UMHOS/CM	9	03MAY1999 - 17APR2000	16	675.63	226.89	273	518.5	707	904.5	988	0	0	0.0%
S145	HARDNESS	mg/L CaCO3	35	26JUL1999 - 17APR2000	4	183.45	77.51	79.145227	128.09739	196.88798	238.8002	260.87399	0	0	0.0%
S145	NH4	mg N/L	182	03MAY1999 - 17APR2000	17	0.02	0.01	<0.009	0.012	0.013	0.017	0.037	1	0	0.0%
S145	NNH4	mg N/L	92	03MAY1999 - 17APR2000	17	0.13	0.30	0.005	0.02	0.026	0.046	1.169	0	0	0.0%
S145	NO2	mg N/L	19	03MAY1999 - 17APR2000	17	0.01	0.01	<0.004	<0.004	<0.004	0.004	0.027	11	0	0.0%
S145	NO3	mg N/L	78	03MAY1999 - 17APR2000	17	0.11	0.29	<0.004	0.007	0.011	0.03	1.12	3	0	0.0%
S145	NOX	mg N/L	18;180	03MAY1999 - 17APR2000	17	0.12	0.30	<0.004	0.007	0.012	0.034	1.145	1	0	0.0%
S145	OPO4	mg P/L	23	03MAY1999 - 17APR2000	17	0.01	0.01	<0.004	<0.004	0.005	0.006	0.027	5	0	0.0%
S145	ORGN	mg N/L	79	03MAY1999 - 17APR2000	17	1.37	0.31	0.757	1.156	1.331	1.643	1.778	0	0	0.0%
S145	PH	UNITS	10	03MAY1999 - 17APR2000	16	7.47	0.21	7.05	7.37	7.47	7.61	7.91	0	0	0.0%
S145	TEMP	CENT	7	03MAY1999 - 17APR2000	16	25.03	3.89	17.6	21.755	26.325	27.565	30.63	0	0	0.0%
S145	TKN	mg N/L	21	03MAY1999 - 17APR2000	17	1.39	0.31	0.768	1.171	1.344	1.67	1.792	0	0	0.0%
S145	TN	mg N/L	80	03MAY1999 - 17APR2000	17	1.51	0.43	0.777	1.18	1.601	1.757	2.613	0	0	0.0%
S145	TOT. AS	ug/L	106	26JUL1999 - 12JAN2000	2	1.64	0.20	<1.5	<1.5	0.1425	1.785	1.785	1	0	0.0%
S145	TOT. CD	ug/L	103	26JUL1999 - 12JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S145	TOT. CL	mg/L	32	03MAY1999 - 17APR2000	17	82.27	27.57	32.92	60.5	82.61	103.66	125.69	0	0	0.0%
S145	TOT. CU	ug/L	104	26JUL1999 - 12JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S145	TOT. FE	mg/L	177	26JUL1999 - 17APR2000	4	0.02	0.03	0.00529	0.006363	0.008072	0.034202	0.059696	0	0	0.0%
S145	TOT. PB	ug/L	107	26JUL1999 - 12JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S145	TOT. SO4	mg/L	33	26JUL1999 - 17APR2000	5	31.71	15.75	7.79	23.94	38.25	43.36	45.19	0	0	0.0%
S145	TOT. ZN	ug/L	105	26JUL1999 - 12JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S145	TOTAL DEPTH	METERS	99	03MAY1999 - 03MAY1999	1	0.50	0.00	0.5	0.5	0.5	0.5	0.5	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S146	% SAT. DO	PERCENT	76	03MAY1999 - 17APR2000	17	53.41	16.28	24.8871	42.1337	54.8555	61.5071	88.331	0	0	0.0%
S146	ALKALINITY	mg/L	67	03MAY1999 - 17APR2000	17	159.73	52.60	70.71	133.5	146.5	186.3	241.5	0	0	0.0%
S146	COLOR	UNITS	13	03MAY1999 - 17APR2000	17	74.59	16.44	40	67	71	80	105	0	0	0.0%
S146	DIS. CA	mg/L	30	26JUL1999 - 17APR2000	4	44.07	15.36	21.866	34.288	48.861	53.851	56.69	0	0	0.0%
S146	DIS. K	mg/L	29	26JUL1999 - 17APR2000	4	4.61	1.82	2.559	3.3865	4.4605	5.841	6.975	0	0	0.0%
S146	DIS. MG	mg/L	31	26JUL1999 - 17APR2000	4	13.27	5.81	5.899	8.9995	13.7485	17.531	19.665	0	0	0.0%
S146	DIS. NA	mg/L	28	26JUL1999 - 17APR2000	4	45.37	19.34	23.374	32.403	43.8925	58.3345	70.316	0	0	0.0%
S146	DIS. SILICA	mg/L	27	26JUL1999 - 17APR2000	5	13.92	4.52	7.409	12.716	13.904	15.841	19.752	0	0	0.0%
S146	DO	mg/L	8	03MAY1999 - 17APR2000	17	4.53	1.37	1.9	3.75	4.8	5.27	7.36	0	11	64.7%
S146	FLDCOND.	UMHOS/CM	9	03MAY1999 - 17APR2000	17	631.18	235.36	273	509	585	863	1118	0	0	0.0%
S146	HARDNESS	mg/L CaCO3	35	26JUL1999 - 17APR2000	4	164.64	61.61	78.879686	122.65908	178.59474	206.62354	222.49607	0	0	0.0%
S146	NH4	mg N/L	182	03MAY1999 - 17APR2000	17	0.01	0.00	<0.009	<0.009	0.01	0.013	0.021	6	0	0.0%
S146	NNH4	mg N/L	92	03MAY1999 - 17APR2000	17	0.06	0.11	<0.009	0.006	0.02	0.029	0.432	1	0	0.0%
S146	NO2	mg N/L	19	03MAY1999 - 17APR2000	17	0.01	0.00	<0.004	<0.004	<0.004	0.004	0.02	12	0	0.0%
S146	NO3	mg N/L	78	03MAY1999 - 17APR2000	17	0.05	0.10	<0.004	0.004	0.009	0.014	0.402	4	0	0.0%
S146	NOX	mg N/L	18;180	03MAY1999 - 17APR2000	17	0.05	0.11	<0.004	0.005	0.009	0.016	0.422	2	0	0.0%
S146	OPO4	mg P/L	23	03MAY1999 - 17APR2000	17	0.01	0.00	<0.004	<0.004	0.004	0.005	0.018	7	0	0.0%
S146	ORGN	mg N/L	79	03MAY1999 - 17APR2000	17	1.36	0.33	0.614	1.131	1.386	1.591	1.979	0	0	0.0%
S146	PH	UNITS	10	03MAY1999 - 17APR2000	17	7.50	0.26	7.13	7.28	7.51	7.63	8.1	0	0	0.0%
S146	TEMP	CENT	7	03MAY1999 - 17APR2000	17	25.12	4.09	17.57	21.92	25.8	27.77	31.94	0	0	0.0%
S146	TKN	mg N/L	21	03MAY1999 - 17APR2000	17	1.37	0.33	0.614	1.151	1.386	1.602	1.998	0	0	0.0%
S146	TN	mg N/L	80	03MAY1999 - 17APR2000	17	1.42	0.38	0.623	1.167	1.391	1.73	2.086	0	0	0.0%
S146	TOT. AS	ug/L	106	26JUL1999 - 12JAN2000	2	1.68	0.25	<1.5	<1.5	0.178	1.856	1.856	1	0	0.0%
S146	TOT. CD	ug/L	103	26JUL1999 - 12JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S146	TOT. CL	mg/L	32	03MAY1999 - 17APR2000	17	75.83	26.63	31.42	58.88	75.67	102.82	117.16	0	0	0.0%
S146	TOT. CU	ug/L	104	26JUL1999 - 12JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S146	TOT. FE	mg/L	177	26JUL1999 - 17APR2000	4	0.01	0.01	0.003913	0.0041655	0.0072275	0.021438	0.032839	0	0	0.0%
S146	TOT. PB	ug/L	107	26JUL1999 - 12JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S146	TOT. SO4	mg/L	33	26JUL1999 - 17APR2000	5	26.14	11.76	7.74	25.16	25.76	32.92	39.1	0	0	0.0%
S146	TOT. ZN	ug/L	105	26JUL1999 - 12JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S146	TOTAL DEPTH	METERS	99	03MAY1999 - 03MAY1999	1	0.50	0.00	0.5	0.5	0.5	0.5	0.5	0	0	0.0%
S146	TP	mg P/L	25	17MAY1999 - 17APR2000	16	0.02	0.02	0.006	0.008	0.009	0.0155	0.076	0	0	0.0%
S146	TSS	mg/L	16	03MAY1999 - 17APR2000	17	3.06	0.24	<3	<3	<3	<3	<3	4	15	0.0%
S146	TURBIDITY	NTU	12	03MAY1999 - 17APR2000	17	1.07	1.11	0.398	0.467	0.496	0.841	4.03	0	0	0.0%
S146	UN-IONIZED AMMONIA	mg/L	NONE	03MAY1999 - 17APR2000	17	0.00	0.00	0.000093	0.000135	0.000218	0.000283	0.001241	0	0	0.0%
S151	% SAT. DO	PERCENT	76	04MAY1999 - 25APR2000	16	30.17	15.20	8.5296	18.734	30.35825	40.63115	56.648281	0	0	0.0%
S151	ALKALINITY	mg/L	67	04MAY1999 - 25APR2000	16	194.23	28.83	139.6	174.1	204.5	211.3	243.8	0	0	0.0%
S151	COLOR	UNITS	13	04MAY1999 - 25APR2000	16	61.88	14.71	45	50.5	58	68.5	92	0	0	0.0%
S151	DIS. CA	mg/L	30	13JUL1999 - 11APR2000	4	56.65	6.78	51.375	51.418	54.791	61.8805	65.64	0	0	0.0%
S151	DIS. K	mg/L	29	13JUL1999 - 11APR2000	4	4.14	0.95	3.035	3.368	4.214	4.92	5.113	0	0	0.0%
S151	DIS. MG	mg/L	31	13JUL1999 - 11APR2000	4	12.00	3.53	7.109	9.6355	12.718	14.358	15.442	0	0	0.0%
S151	DIS. NA	mg/L	28	13JUL1999 - 11APR2000	4	38.09	10.35	25.327	31.5485	38.1785	44.63	50.673	0	0	0.0%
S151	DIS. SILICA	mg/L	27	13JUL1999 - 25APR2000	6	9.59	2.21	7.377	7.419	9.466	10.976	12.823	0	0	0.0%
S151	DO	mg/L	8	04MAY1999 - 25APR2000	17	2.81	1.57	0.7	1.5	2.64	4.29	5.96	0	16	94.1%
S151	FLDCOND.	UMHOS/CM	9	04MAY1999 - 25APR2000	17	637.41	76.61	420	597	636	678	745	0	0	0.0%
S151	HARDNESS	mg/L CaCO3	35	13JUL1999 - 11APR2000	4	190.83	25.96	157.54402	170.33896	195.91066	211.32464	213.96187	0	0	0.0%
S151	NH4	mg N/L	182	04MAY1999 - 25APR2000	15	0.08	0.06	0.016	0.032	0.061	0.105	0.246	0	0	0.0%
S151	NNH4	mg N/L	92	04MAY1999 - 25APR2000	14	0.23	0.28	0.045	0.091	0.127	0.305	1.109	0	0	0.0%
S151	NO2	mg N/L	19	04MAY1999 - 25APR2000	16	0.02	0.03	<0.004	<0.004	0.0055	0.01	0.13	7	0	0.0%
S151	NO3	mg N/L	78	04MAY1999 - 25APR2000	14	0.14	0.23	0.017	0.026	0.0445	0.167	0.899	0	0	0.0%
S151	NOX	mg N/L	18;180	04MAY1999 - 25APR2000	14	0.16	0.26	0.017	0.032	0.047	0.176	1.029	0	0	0.0%
S151	OPO4	mg P/L	23	04MAY1999 - 25APR2000	16	0.01	0.01	<0.004	0.004	0.0045	0.008	0.034	2	0	0.0%
S151	ORGN	mg N/L	79	04MAY1999 - 25APR2000	15	1.25	0.24	0.726	1.075	1.321	1.482	1.542	0	0	0.0%
S151	PH	UNITS	10	04MAY1999 - 25APR2000	17	7.24	0.20	6.61	7.24	7.27	7.32	7.49	0	0	0.0%
S151	TEMP	CENT	7	04MAY1999 - 25APR2000	17	24.72	4.11	17.68	22.22	25.67	27.1	31.16	0	0	0.0%
S151	TKN	mg N/L	21	04MAY1999 - 25APR2000	16	1.32	0.21	0.849	1.181	1.333	1.487	1.606	0	0	0.0%
S151	TN	mg N/L	80	04MAY1999 - 25APR2000	16	1.46	0.36	1.037	1.262	1.407	1.5715	2.635	0	0	0.0%
S151	TOT. AS	ug/L	106	13JUL1999 - 11JAN2000	2	1.50	0.00	<1.5	<1.5	0	1.5	1.5	1	0	0.0%
S151	TOT. CD	ug/L	103	13JUL1999 - 11JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S151	TOT. CL	mg/L	32	04MAY1999 - 25APR2000	16	67.68	13.17	35.39	60.88	65.12	76.09	90.37	0	0	0.0%
S151	TOT. CU	ug/L	104	13JUL1999 - 11JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S151	TOT. FE	mg/L	177	13JUL1999 - 11APR2000	4	0.15	0.09	0.026103	0.0865085	0.1813025	0.215837	0.215983	0	0	0.0%
S151	TOT. PB	ug/L	107	13JUL1999 - 11JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S151	TOT. SO4	mg/L	33	13JUL1999 - 25APR2000	6	19.51	12.09	7.75	11.11	15.485	27.27	39.96	0	0	0.0%
S151	TOT. ZN	ug/L	105	13JUL1999 - 11JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S151	TOTAL DEPTH	METERS	99	04MAY1999 - 25APR2000	2	0.50	0.00	0.5	0.5	0.5	0.5	0.5	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
C123SR84	% SAT. DO	PERCENT	76	14JUN1999 - 18APR2000	16	37.28	34.60	14.6987	19.603	24.9087	39.7121	153.9147	0	0	0.0%
C123SR84	ALKALINITY	mg/L	67	17MAY1999 - 18APR2000	18	189.17	22.40	147.9	166.1	199.8	206.2	215.5	0	0	0.0%
C123SR84	COLOR	UNITS	13	17MAY1999 - 18APR2000	18	72.61	19.96	47	55	68	87	118	0	0	0.0%
C123SR84	DIS. CA	mg/L	30	12JUL1999 - 18APR2000	4	69.76	13.13	52.694	60.2405	71.2825	79.288	83.798	0	0	0.0%
C123SR84	DIS. K	mg/L	29	12JUL1999 - 18APR2000	4	3.96	0.43	3.489	3.6975	3.917	4.2285	4.529	0	0	0.0%
C123SR84	DIS. MG	mg/L	31	12JUL1999 - 18APR2000	4	9.37	1.45	7.54	8.2475	9.554	10.4965	10.84	0	0	0.0%
C123SR84	DIS. NA	mg/L	28	12JUL1999 - 18APR2000	4	30.67	2.86	26.725	28.6605	31.321	32.682	33.318	0	0	0.0%
C123SR84	DIS. SILICA	mg/L	27	12JUL1999 - 18APR2000	5	6.32	1.98	3.634	5.055	6.814	7.487	8.61	0	0	0.0%
C123SR84	DO	mg/L	8	17MAY1999 - 18APR2000	17	3.26	2.74	1.26	1.54	2.12	4.29	12.03	0	13	76.5%
C123SR84	FLDCOND.	UMHOS/CM	9	17MAY1999 - 18APR2000	18	564.00	77.85	438	521	570	610	705	0	0	0.0%
C123SR84	HARDNESS	mg/L CaCO3	35	12JUL1999 - 18APR2000	4	212.78	38.71	162.61156	184.36724	217.31667	241.18573	253.86105	0	0	0.0%
C123SR84	NH4	mg N/L	182	17MAY1999 - 18APR2000	18	0.05	0.08	<0.009	0.022	0.0235	0.032	0.375	1	0	0.0%
C123SR84	NNH4	mg N/L	92	17MAY1999 - 18APR2000	18	0.17	0.30	0.005	0.037	0.0545	0.121	1.252	0	0	0.0%
C123SR84	NO2	mg N/L	19	17MAY1999 - 18APR2000	18	0.01	0.01	<0.004	<0.004	0	0.007	0.046	9	0	0.0%
C123SR84	NO3	mg N/L	78	17MAY1999 - 18APR2000	18	0.12	0.29	0.004	0.014	0.0205	0.096	1.22	0	0	0.0%
C123SR84	NOX	mg N/L	18;180	17MAY1999 - 18APR2000	18	0.13	0.29	0.005	0.014	0.022	0.108	1.24	0	0	0.0%
C123SR84	OPO4	mg P/L	23	17MAY1999 - 18APR2000	18	0.01	0.01	0.004	0.006	0.0075	0.015	0.057	0	0	0.0%
C123SR84	ORGN	mg N/L	79	17MAY1999 - 18APR2000	17	1.50	0.34	1.047	1.242	1.51	1.648	2.324	0	0	0.0%
C123SR84	PH	UNITS	10	17MAY1999 - 18APR2000	18	7.36	0.34	6.55	7.16	7.37	7.43	7.99	0	0	0.0%
C123SR84	TEMP	CENT	7	17MAY1999 - 18APR2000	18	25.99	4.21	16.62	23.64	27.11	28.89	32.41	0	0	0.0%
C123SR84	TKN	mg N/L	21	17MAY1999 - 18APR2000	17	1.55	0.35	1.065	1.274	1.58	1.745	2.337	0	0	0.0%
C123SR84	TN	mg N/L	80	17MAY1999 - 18APR2000	18	1.62	0.60	<0.5	1.232	1.631	1.775	3.287	1	0	0.0%
C123SR84	TOT. AS	ug/L	106	12JUL1999 - 24JAN2000	2	2.27	1.09	<1.5	<1.5	0.7705	3.041	3.041	1	0	0.0%
C123SR84	TOT. CD	ug/L	103	12JUL1999 - 24JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
C123SR84	TOT. CL	mg/L	32	17MAY1999 - 18APR2000	17	50.24	9.29	40.6	43.42	48.2	53.03	70.88	0	0	0.0%
C123SR84	TOT. CU	ug/L	104	12JUL1999 - 24JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
C123SR84	TOT. FE	mg/L	177	12JUL1999 - 18APR2000	4	0.21	0.19	0.041762	0.0478595	0.1941675	0.378315	0.422252	0	0	0.0%
C123SR84	TOT. PB	ug/L	107	12JUL1999 - 24JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
C123SR84	TOT. SO4	mg/L	33	12JUL1999 - 18APR2000	5	22.30	16.38	8.41	10.19	20.92	22.62	49.36	0	0	0.0%
C123SR84	TOT. ZN	ug/L	105	12JUL1999 - 24JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
C123SR84	TP	mg P/L	25	17MAY1999 - 18APR2000	17	0.04	0.03	0.012	0.017	0.037	0.064	0.103	0	0	0.0%
C123SR84	TSS	mg/L	16	14JUN1999 - 18APR2000	17	4.94	4.19	<3	<3	<3	4	19	9	0	0.0%
C123SR84	TURBIDITY	NTU	12	17MAY1999 - 18APR2000	18	3.91	5.81	0.566	1.01	1.435	3.85	23.6	0	0	0.0%
C123SR84	UN-IONIZED AMMONIA	mg/L	NONE	17MAY1999 - 18APR2000	18	0.00	0.00	0.0001	0.0003	0.0004	0.0006	0.0074	0	0	0.0%
G94B	% SAT. DO	PERCENT	76	24MAY1999 - 24APR2000	12	26.23	21.61	3.7911	6.58365	19.74935	43.4331	61.5991	0	0	0.0%
G94B	ALKALINITY	mg/L	67	24MAY1999 - 24APR2000	12	175.02	67.27	72.47	135.45	156.6	204.05	305.3	0	0	0.0%
G94B	COLOR	UNITS	13	24MAY1999 - 24APR2000	12	111.83	40.97	58	70	115.5	146.5	170	0	0	0.0%
G94B	DIS. CA	mg/L	30	22JUL1999 - 24APR2000	4	56.90	18.86	39.791	40.7785	55.6115	73.0185	76.58	0	0	0.0%
G94B	DIS. K	mg/L	29	22JUL1999 - 24APR2000	4	5.54	1.77	3.777	4.09	5.357	6.981	7.651	0	0	0.0%
G94B	DIS. MG	mg/L	31	22JUL1999 - 24APR2000	4	15.07	5.46	9.097	10.526	15.2065	19.619	20.78	0	0	0.0%
G94B	DIS. NA	mg/L	28	22JUL1999 - 24APR2000	4	59.73	22.64	38.052	42.806	55.516	76.6535	89.835	0	0	0.0%
G94B	DIS. SILICA	mg/L	27	22JUL1999 - 24APR2000	4	14.24	4.86	7.185	11.115	15.8645	17.37	18.056	0	0	0.0%
G94B	DO	mg/L	8	24MAY1999 - 24APR2000	12	2.27	1.90	0.3	0.555	1.62	3.71	5.78	0	10	83.3%
G94B	FLDCOND.	UMHOS/CM	9	24MAY1999 - 24APR2000	12	683.42	247.01	320	505.5	616.5	834	1140	0	0	0.0%
G94B	HARDNESS	mg/L CaCO3	35	22JUL1999 - 24APR2000	4	204.11	69.33	136.80138	145.14893	201.45187	263.079	276.75074	0	0	0.0%
G94B	NH4	mg N/L	182	24MAY1999 - 24APR2000	12	0.11	0.20	<0.009	0.0125	0.0225	0.058	0.667	2	0	0.0%
G94B	NNH4	mg N/L	92	24MAY1999 - 24APR2000	12	0.24	0.47	0.006	0.025	0.0435	0.189	1.621	0	0	0.0%
G94B	NO2	mg N/L	19	24MAY1999 - 24APR2000	12	0.04	0.07	<0.004	<0.004	0.004	0.0285	0.222	5	0	0.0%
G94B	NO3	mg N/L	78	24MAY1999 - 24APR2000	12	0.10	0.21	<0.004	0.0055	0.0125	0.08	0.732	2	0	0.0%
G94B	NOX	mg N/L	18;180	24MAY1999 - 24APR2000	12	0.13	0.28	0.004	0.0055	0.0155	0.1525	0.954	0	0	0.0%
G94B	OPO4	mg P/L	23	24MAY1999 - 24APR2000	12	0.03	0.03	0.005	0.014	0.0225	0.044	0.1	0	0	0.0%
G94B	ORGN	mg N/L	79	24MAY1999 - 24APR2000	12	1.71	0.63	0.871	1.156	1.742	2.115	2.885	0	0	0.0%
G94B	PH	UNITS	10	24MAY1999 - 24APR2000	12	6.97	0.51	5.52	7.01	7.15	7.19	7.46	0	1	8.3%
G94B	TEMP	CENT	7	24MAY1999 - 24APR2000	12	24.40	3.07	18.99	21.9	24.345	26.945	29.02	0	0	0.0%
G94B	TKN	mg N/L	21	24MAY1999 - 24APR2000	12	1.81	0.75	0.871	1.192	1.7785	2.2925	3.197	0	0	0.0%
G94B	TN	mg N/L	80	24MAY1999 - 24APR2000	12	1.95	0.98	0.877	1.21	1.791	2.4265	4.151	0	0	0.0%
G94B	TOT. CD	ug/L	103	22JUL1999 - 31JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
G94B	TOT. CL	mg/L	32	24MAY1999 - 24APR2000	12	84.00	30.46	39.26	62.655	76.035	110.905	136.2	0	0	0.0%
G94B	TOT. CU	ug/L	104	22JUL1999 - 31JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
G94B	TOT. FE	mg/L	177	22JUL1999 - 24APR2000	4	0.15	0.06	0.098025	0.0990035	0.1398455	0.204706	0.229703	0	0	0.0%
G94B	TOT. SO4	mg/L	33	22JUL1999 - 24APR2000	4	34.77	15.78	17.34	21.45	36.195	48.09	49.35	0	0	0.0%
G94B	TOT. ZN	ug/L	105	22JUL1999 - 31JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
G94B	TP	mg P/L	25	24MAY1999 - 24APR2000	12	0.07	0.04	0.024	0.0395	0.064	0.0975	0.129	0	0	0.0%
G94B	TSS	mg/L	16	24MAY1999 - 24APR2000	12	3.67	1.07	<3	<3	0	4.5	6	6	0	0.0%
G94B	TURBIDITY	NTU	12	24MAY1999 - 24APR2000	12	2.60	1.38	1.01	1.29	2.61	3.675	5.09	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S31	% SAT. DO	PERCENT	76	18MAY1999 - 25APR2000	13	32.79	21.06	10.5701	16.1845	26.9664	46.6344	77.8583	0	0	0.0%
S31	ALKALINITY	mg/L	67	18MAY1999 - 25APR2000	13	206.11	21.79	153	203.8	205.9	216.9	237.4	0	0	0.0%
S31	COLOR	UNITS	13	18MAY1999 - 25APR2000	13	51.54	10.88	40	44	50	53	80	0	0	0.0%
S31	DIS. CA	mg/L	30	27JUL1999 - 25APR2000	4	66.10	2.23	63.225	64.4485	66.3625	67.7525	68.452	0	0	0.0%
S31	DIS. K	mg/L	29	27JUL1999 - 25APR2000	4	4.10	0.70	3.281	3.5715	4.086	4.6245	4.939	0	0	0.0%
S31	DIS. MG	mg/L	31	27JUL1999 - 25APR2000	4	14.82	1.83	12.174	13.741	15.36	15.8935	16.375	0	0	0.0%
S31	DIS. NA	mg/L	28	27JUL1999 - 25APR2000	4	45.04	8.78	36.782	39.447	42.9895	50.6375	57.408	0	0	0.0%
S31	DIS. SILICA	mg/L	27	27JUL1999 - 25APR2000	5	11.01	2.18	7.936	10.772	10.932	11.357	14.071	0	0	0.0%
S31	DO	mg/L	8	18MAY1999 - 25APR2000	14	3.05	1.88	0.87	1.42	2.6	4.78	6.32	0	11	78.6%
S31	FLDCOND.	UMHOS/CM	9	18MAY1999 - 25APR2000	14	640.29	55.99	524	612	645	669	758	0	0	0.0%
S31	HARDNESS	mg/L CaCO3	35	27JUL1999 - 25APR2000	4	226.04	10.70	214.09117	217.48586	225.87384	234.59564	238.32414	0	0	0.0%
S31	NH4	mg N/L	182	18MAY1999 - 25APR2000	12	0.09	0.07	<0.009	0.045	0.06	0.1425	0.233	2	0	0.0%
S31	NNH4	mg N/L	92	18MAY1999 - 25APR2000	11	0.12	0.09	0.004	0.069	0.089	0.204	0.279	0	0	0.0%
S31	NO2	mg N/L	19	18MAY1999 - 25APR2000	13	0.00	0.00	<0.004	<0.004	<0.004	<0.004	0.012	11	0	0.0%
S31	NO3	mg N/L	78	18MAY1999 - 25APR2000	11	0.04	0.08	0.004	0.005	0.014	0.027	0.267	0	0	0.0%
S31	NOX	mg N/L	18;180	18MAY1999 - 25APR2000	11	0.04	0.08	0.004	0.005	0.014	0.027	0.279	0	0	0.0%
S31	OPO4	mg P/L	23	18MAY1999 - 25APR2000	13	0.00	0.00	<0.004	<0.004	0.004	0.005	0.008	6	0	0.0%
S31	ORGN	mg N/L	79	18MAY1999 - 25APR2000	12	1.17	0.31	0.821	0.9685	1.1115	1.292	1.96	0	0	0.0%
S31	PH	UNITS	10	18MAY1999 - 25APR2000	14	7.30	0.31	6.68	7.17	7.265	7.38	8.12	0	0	0.0%
S31	TEMP	CENT	7	18MAY1999 - 25APR2000	14	23.88	3.88	17.79	22.16	23.985	27.37	29.72	0	0	0.0%
S31	TKN	mg N/L	21	18MAY1999 - 25APR2000	13	1.25	0.25	0.978	1.098	1.233	1.309	1.96	0	0	0.0%
S31	TN	mg N/L	80	18MAY1999 - 25APR2000	13	1.28	0.27	1	1.098	1.237	1.336	1.964	0	0	0.0%
S31	TOT. AS	ug/L	106	27JUL1999 - 11JAN2000	2	1.55	0.07	<1.5	<1.5	0.0485	1.597	1.597	1	0	0.0%
S31	TOT. CD	ug/L	103	27JUL1999 - 11JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S31	TOT. CL	mg/L	32	18MAY1999 - 25APR2000	13	63.38	6.55	52.08	58.37	63.57	66.2	75.8	0	0	0.0%
S31	TOT. CU	ug/L	104	27JUL1999 - 11JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S31	TOT. FE	mg/L	177	27JUL1999 - 25APR2000	4	0.06	0.04	0.028696	0.03133	0.0567135	0.093252	0.107041	0	0	0.0%
S31	TOT. PB	ug/L	107	27JUL1999 - 11JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S31	TOT. SO4	mg/L	33	27JUL1999 - 25APR2000	4	17.72	5.75	12.71	13.27	16.445	22.165	25.27	0	0	0.0%
S31	TOT. ZN	ug/L	105	27JUL1999 - 11JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S31	TOTAL DEPTH	METERS	99	25APR2000 - 25APR2000	1	0.50		0.5	0.5	0.5	0.5	0.5	0	0	0.0%
S31	TP	mg P/L	25	18MAY1999 - 25APR2000	13	0.03	0.04	0.008	0.009	0.012	0.016	0.171	0	0	0.0%
S31	TSS	mg/L	16	18MAY1999 - 25APR2000	13	0.69	1.97	<3	<3	<3	<3	<3	10	11	0.0%
S31	TURBIDITY	NTU	12	18MAY1999 - 25APR2000	13	1.65	1.96	0.387	0.565	1.13	1.47	7.75	0	0	0.0%
S31	UN-IONIZED AMMONIA	mg/L	NONE	18MAY1999 - 25APR2000	12	0.00	0.00	0.000095	0.000524	0.000812	0.000968	0.004633	0	0	0.0%
S38	% SAT. DO	PERCENT	76	03MAY1999 - 17APR2000	21	43.16	21.09	14.282	25.2706	41.4688	53.0627	91.587	0	0	0.0%
S38	ALKALINITY	mg/L	67	03MAY1999 - 17APR2000	22	149.97	28.75	110	131.6	143.15	164.7	208.1	0	0	0.0%
S38	COLOR	UNITS	13	03MAY1999 - 17APR2000	22	74.82	17.73	39	67	70.5	76	109	0	0	0.0%
S38	DIS. CA	mg/L	30	12JUL1999 - 03APR2000	4	45.99	5.51	42.87	43.1005	43.4265	48.883	54.244	0	0	0.0%
S38	DIS. K	mg/L	29	12JUL1999 - 03APR2000	4	3.68	0.41	3.295	3.3205	3.6735	4.0345	4.068	0	0	0.0%
S38	DIS. MG	mg/L	31	12JUL1999 - 03APR2000	4	10.72	2.73	6.747	8.934	11.747	12.5095	12.646	0	0	0.0%
S38	DIS. NA	mg/L	28	12JUL1999 - 03APR2000	4	38.03	10.66	27.267	30.083	36.4375	45.9825	51.989	0	0	0.0%
S38	DIS. SILICA	mg/L	27	12JUL1999 - 17APR2000	7	10.49	3.08	6.113	7.194	11.776	13.616	13.823	0	0	0.0%
S38	DO	mg/L	8	03MAY1999 - 17APR2000	21	3.67	1.82	1.17	1.95	3.63	4.51	7.61	0	16	76.2%
S38	FLDCOND.	UMHOS/CM	9	03MAY1999 - 17APR2000	21	590.33	188.12	352	469	530	623	1227	0	0	0.0%
S38	HARDNESS	mg/L CaCO3	35	12JUL1999 - 03APR2000	4	158.97	3.58	154.44847	156.7729	159.11105	161.17135	163.21792	0	0	0.0%
S38	NH4	mg N/L	182	03MAY1999 - 17APR2000	22	0.01	0.00	<0.009	<0.009	0.0095	0.012	0.024	6	0	0.0%
S38	NNH4	mg N/L	92	03MAY1999 - 17APR2000	22	0.03	0.08	<0.009	0.009	0.0185	0.021	0.407	3	0	0.0%
S38	NO2	mg N/L	19	03MAY1999 - 17APR2000	22	0.01	0.00	<0.004	<0.004	<0.004	0.004	0.022	16	0	0.0%
S38	NO3	mg N/L	78	03MAY1999 - 17APR2000	22	0.02	0.08	<0.004	<0.004	0.005	0.007	0.375	6	0	0.0%
S38	NOX	mg N/L	18;180	03MAY1999 - 17APR2000	22	0.03	0.08	<0.004	0.005	0.006	0.009	0.397	4	0	0.0%
S38	OPO4	mg P/L	23	03MAY1999 - 17APR2000	22	0.01	0.00	<0.004	<0.004	0.004	0.005	0.016	9	0	0.0%
S38	ORGN	mg N/L	79	03MAY1999 - 17APR2000	22	1.29	0.34	<0.5	1.096	1.333	1.436	1.99	1	0	0.0%
S38	PH	UNITS	10	03MAY1999 - 17APR2000	21	7.30	0.32	6.59	7.14	7.32	7.51	7.83	0	0	0.0%
S38	TEMP	CENT	7	03MAY1999 - 17APR2000	21	25.58	4.45	17.25	22.65	25.97	28.78	32.96	0	0	0.0%
S38	TKN	mg N/L	21	03MAY1999 - 17APR2000	22	1.30	0.35	<0.5	1.096	1.34	1.445	2.004	1	0	0.0%
S38	TN	mg N/L	80	03MAY1999 - 17APR2000	22	1.33	0.37	<0.5	1.101	1.3455	1.455	2.013	1	0	0.0%
S38	TOT. AS	ug/L	106	12JUL1999 - 12JAN2000	2	1.50	0.00	<1.5	<1.5	<1.5	<1.5	<1.5	2	0	0.0%
S38	TOT. CD	ug/L	103	12JUL1999 - 12JAN2000	2	0.41	0.16	<0.3	<0.3	0.1145	0.529	0.529	1	0	0.0%
S38	TOT. CL	mg/L	32	03MAY1999 - 17APR2000	22	68.71	22.06	30.65	51.79	67.215	81.541	119.29	0	0	0.0%
S38	TOT. CU	ug/L	104	12JUL1999 - 12JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S38	TOT. FE	mg/L	177	12JUL1999 - 03APR2000	4	0.01	0.00	0.004462	0.004982	0.0083785	0.0123265	0.013398	0	0	0.0%
S38	TOT. PB	ug/L	107	12JUL1999 - 12JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S38	TOT. SO4	mg/L	33	12JUL1999 - 17APR2000	7	22.29	6.87	16.62	16.64	19.62	25.05	36.22	0	0	0.0%
S38	TOT. ZN	ug/L	105	12JUL1999 - 12JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S38	TOTAL DEPTH	METERS	99	03MAY1999 - 03MAY1999	1	0.50		0.5	0.5	0.5	0.5	0.5	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S39	% SAT. DO	PERCENT	76	24MAY1999 - 24APR2000	17	47.65	26.88	10.3365	23.7541	41.6704	73.5889	93.969	0	0	0.0%
S39	ALKALINITY	mg/L	67	24MAY1999 - 24APR2000	17	191.11	72.18	113.7	151.4	179	188.4	377.8	0	0	0.0%
S39	COLOR	UNITS	13	24MAY1999 - 24APR2000	17	99.06	26.97	58	77	96	113	144	0	0	0.0%
S39	DIS. CA	mg/L	30	06JUL1999 - 24APR2000	4	72.08	26.86	56.737	57.903	59.6395	86.2615	112.313	0	0	0.0%
S39	DIS. K	mg/L	29	06JUL1999 - 24APR2000	4	6.49	2.13	4.706	4.9925	5.8785	7.9805	9.483	0	0	0.0%
S39	DIS. MG	mg/L	31	06JUL1999 - 24APR2000	4	21.15	11.79	13.541	13.846	16.253	28.448	38.541	0	0	0.0%
S39	DIS. NA	mg/L	28	06JUL1999 - 24APR2000	4	78.57	37.22	49.598	54.797	66.008	102.3515	132.683	0	0	0.0%
S39	DIS. SILICA	mg/L	27	06JUL1999 - 24APR2000	4	14.62	5.44	10.334	11	12.8425	18.2325	22.446	0	0	0.0%
S39	DO	mg/L	8	24MAY1999 - 24APR2000	17	4.07	2.36	0.83	2.03	3.23	6.29	8.04	0	10	58.8%
S39	FLDCOND.	UMHOS/CM	9	24MAY1999 - 24APR2000	17	756.35	251.49	456	609	742	827	1344	0	2	11.8%
S39	HARDNESS	mg/L CaCO3	35	06JUL1999 - 24APR2000	4	267.03	115.18	197.40705	202.99847	215.81718	331.0624	439.08032	0	0	0.0%
S39	NH4	mg N/L	182	24MAY1999 - 24APR2000	17	0.05	0.06	<0.009	0.012	0.023	0.049	0.212	3	0	0.0%
S39	NNH4	mg N/L	92	24MAY1999 - 24APR2000	17	0.22	0.25	0.005	0.064	0.168	0.223	0.891	0	0	0.0%
S39	NO2	mg N/L	19	24MAY1999 - 24APR2000	17	0.02	0.05	<0.004	0.004	0.005	0.016	0.21	4	0	0.0%
S39	NO3	mg N/L	78	24MAY1999 - 24APR2000	17	0.15	0.20	<0.004	0.011	0.062	0.193	0.646	1	0	0.0%
S39	NOX	mg N/L	18;180	24MAY1999 - 24APR2000	17	0.17	0.23	0.005	0.014	0.067	0.198	0.734	0	0	0.0%
S39	OP04	mg P/L	23	24MAY1999 - 24APR2000	17	0.03	0.03	<0.004	0.012	0.024	0.039	0.128	1	0	0.0%
S39	ORGN	mg N/L	79	24MAY1999 - 24APR2000	17	1.66	0.46	1.123	1.306	1.524	1.778	2.726	0	0	0.0%
S39	PH	UNITS	10	24MAY1999 - 24APR2000	17	7.43	0.35	6.72	7.2	7.43	7.61	8.15	0	0	0.0%
S39	TEMP	CENT	7	24MAY1999 - 24APR2000	17	25.18	3.48	20.15	22.65	24.21	27.65	31.19	0	0	0.0%
S39	TKN	mg N/L	21	24MAY1999 - 24APR2000	17	1.71	0.48	1.151	1.383	1.636	1.865	2.883	0	0	0.0%
S39	TN	mg N/L	80	24MAY1999 - 24APR2000	17	1.88	0.64	1.157	1.474	1.747	1.971	3.617	0	0	0.0%
S39	TOT. AS	ug/L	106	06JUL1999 - 03JAN2000	2	1.66	0.22	1.503	1.503	1.657	1.811	1.811	0	0	0.0%
S39	TOT. CD	ug/L	103	06JUL1999 - 03JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S39	TOT. CL	mg/L	32	24MAY1999 - 24APR2000	16	94.14	33.38	49.87	66.455	92.095	108.75	174.8	0	0	0.0%
S39	TOT. CU	ug/L	104	06JUL1999 - 03JAN2000	2	1.83	0.89	<1.2	<1.2	0.631	2.462	2.462	1	0	0.0%
S39	TOT. FE	mg/L	177	06JUL1999 - 24APR2000	4	0.08	0.03	0.041273	0.064734	0.0904045	0.098117	0.10362	0	0	0.0%
S39	TOT. PB	ug/L	107	06JUL1999 - 03JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S39	TOT. SO4	mg/L	33	06JUL1999 - 24APR2000	4	47.83	18.18	31.52	36.27	43.02	59.38	73.74	0	0	0.0%
S39	TOT. ZN	ug/L	105	06JUL1999 - 03JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S39	TP	mg P/L	25	24MAY1999 - 24APR2000	17	0.05	0.03	0.025	0.036	0.049	0.056	0.148	0	0	0.0%
S39	TSS	mg/L	16	24MAY1999 - 24APR2000	17	3.71	1.79	<3	<3	3	3	10	8	0	0.0%
S39	TURBIDITY	NTU	12	24MAY1999 - 24APR2000	17	3.30	1.44	1.06	2.16	3.2	4.08	6.85	0	0	0.0%
S39	UN-IONIZED AMMONIA	mg/L	NONE	24MAY1999 - 24APR2000	17	0.00	0.00	0.000068	0.000229	0.000449	0.001734	0.003402	0	0	0.0%
S197	% SAT. DO	PERCENT	76	22SEP1999 - 26APR2000	10	76.67	15.50	41.4024	69.3946	75.84295	90.4919	93.5967	0	0	0.0%
S197	ALKALINITY	mg/L	67	22SEP1999 - 26APR2000	10	188.76	12.51	157.5	184.2	191.55	196	201.2	0	0	0.0%
S197	COLOR	UNITS	13	22SEP1999 - 26APR2000	10	13.40	4.70	9	10	11.5	15	22	0	0	0.0%
S197	DIS. CA	mg/L	30	22SEP1999 - 26APR2000	4	73.32	3.18	70.289	71.122	72.649	75.5255	77.708	0	0	0.0%
S197	DIS. K	mg/L	29	22SEP1999 - 26APR2000	4	3.65	0.95	2.275	3.0155	3.9985	4.2935	4.346	0	0	0.0%
S197	DIS. MG	mg/L	31	22SEP1999 - 26APR2000	4	5.91	2.03	4.224	4.5445	5.3055	7.272	8.798	0	0	0.0%
S197	DIS. NA	mg/L	28	22SEP1999 - 26APR2000	4	22.24	6.66	16.187	18.226	20.521	26.2615	31.746	0	0	0.0%
S197	DIS. SILICA	mg/L	27	22SEP1999 - 05JAN2000	3	4.60	0.99	3.764	3.764	4.332	5.698	5.698	0	0	0.0%
S197	DO	mg/L	8	22SEP1999 - 26APR2000	10	6.19	1.81	2.64	5.48	6.67	7.72	7.93	0	2	20.0%
S197	FLDCOND.	UMHOS/CM	9	22SEP1999 - 26APR2000	10	505.30	58.63	456	481	488	508	657	0	0	0.0%
S197	HARDNESS	mg/L CaCO3	35	22SEP1999 - 26APR2000	4	207.41	10.44	192.89762	199.84281	210.42461	214.97271	215.8842	0	0	0.0%
S197	NH4	mg N/L	182	22SEP1999 - 26APR2000	10	0.05	0.04	0.009	0.016	0.029	0.073	0.12	0	0	0.0%
S197	NNH4	mg N/L	92	22SEP1999 - 26APR2000	10	0.10	0.05	0.024	0.073	0.095	0.155	0.17	0	0	0.0%
S197	NO2	mg N/L	19	22SEP1999 - 26APR2000	10	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.012	6	0	0.0%
S197	NO3	mg N/L	78	22SEP1999 - 26APR2000	10	0.05	0.03	0.015	0.022	0.057	0.067	0.091	0	0	0.0%
S197	NOX	mg N/L	18;180	22SEP1999 - 26APR2000	10	0.05	0.03	0.015	0.027	0.059	0.067	0.103	0	0	0.0%
S197	OP04	mg P/L	23	22SEP1999 - 26APR2000	10	0.00	0.00	<0.004	<0.004	<0.004	<0.004	<0.004	10	0	0.0%
S197	ORGN	mg N/L	79	22SEP1999 - 26APR2000	10	0.51	0.07	<0.5	<0.5	<0.5	0.401	0.692	7	0	0.0%
S197	PH	UNITS	10	22SEP1999 - 26APR2000	10	7.26	0.45	6.68	6.84	7.23	7.62	8.01	0	0	0.0%
S197	TEMP	CENT	7	22SEP1999 - 26APR2000	10	24.03	2.43	20.98	22.2	23.39	26.42	28.05	0	0	0.0%
S197	TKN	mg N/L	21	22SEP1999 - 26APR2000	10	0.54	0.08	<0.5	<0.5	<0.5	0.521	0.715	7	0	0.0%
S197	TN	mg N/L	80	22SEP1999 - 26APR2000	10	0.55	0.10	<0.5	<0.5	<0.5	0.548	0.776	7	0	0.0%
S197	TOT. CD	ug/L	103	22SEP1999 - 05JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S197	TOT. CL	mg/L	32	22SEP1999 - 26APR2000	10	32.15	6.92	23.79	27.14	31.465	33.58	46.77	0	0	0.0%
S197	TOT. CU	ug/L	104	22SEP1999 - 05JAN2000	2	1.20	0.00	<1.2	<1.2	<1.2	<1.2	<1.2	2	0	0.0%
S197	TOT. FE	mg/L	177	22SEP1999 - 26APR2000	4	0.08	0.05	0.043332	0.044625	0.065869	0.1154345	0.145049	0	0	0.0%
S197	TOT. SO4	mg/L	33	22SEP1999 - 26APR2000	3	10.55	2.91	7.7	7.7	10.44	13.51	13.51	0	0	0.0%
S197	TOT. ZN	ug/L	105	22SEP1999 - 05JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S197	TOTAL DEPTH	METERS	99	08DEC1999 - 26APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S197	TP	mg P/L	25	22SEP1999 - 26APR2000	10	0.01	0.00	0.005	0.006	0.0075	0.01	0.012	0	0	0.0%
S197	TSS	mg/L	16	22SEP1999 - 26APR2000	10	3.00	0.00	<3	<3	<3	<3	<3	10	0	0.0%
S197	TURBIDITY	NTU	12	22SEP1999 - 26APR2000	10	0.71	0.32	0.16	0.536	0.6315	0.904	1.31	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S333	% SAT. DO	PERCENT	76	10MAY1999 - 24APR2000	25	39.39	10.67	22.7666	32.7133	37.4764	45.157	66.2962	0	0	0.0%
S333	ALKALINE PHOS	nM/minml	168	10MAY1999 - 24APR2000	18	5.90	2.16	3.4	4.134	5.6455	6.94	12.009	0	0	0.0%
S333	ALKALINITY	mg/L	67	10MAY1999 - 24APR2000	18	161.72	17.94	132	145	166.25	176.3	192.4	0	0	0.0%
S333	CAROTENOID	mg/m3	63	10MAY1999 - 24APR2000	17	1.46	0.72	<1	<1	<1	1.8	3.3	9	0	0.0%
S333	CHLA	mg/m3	61	10MAY1999 - 24APR2000	17	2.42	1.90	<1	<1	1.6	2.9	7.2	7	0	0.0%
S333	CHLA2	mg/m3	112	10MAY1999 - 24APR2000	17	2.25	1.60	<1	<1	2.2	2.6	6.7	6	0	0.0%
S333	CHLB	mg/m3	62	10MAY1999 - 24APR2000	17	1.10	0.41	<1	<1	<1	<1	2.7	16	0	0.0%
S333	CHLC	mg/m3	113	10MAY1999 - 24APR2000	17	1.27	0.86	<1	<1	<1	<1	4.4	14	0	0.0%
S333	COLOR	UNITS	13	10MAY1999 - 24APR2000	18	42.94	9.44	29	36	43	49	61	0	0	0.0%
S333	DIS. CA	mg/L	30	10MAY1999 - 24APR2000	18	55.26	5.09	47.643	50.179	55.7755	59.462	65.251	0	0	0.0%
S333	DIS. K	mg/L	29	10MAY1999 - 24APR2000	18	3.13	0.71	1.772	2.789	3.0895	3.692	4.241	0	0	0.0%
S333	DIS. MG	mg/L	31	10MAY1999 - 24APR2000	18	9.30	2.61	4.747	7.25	9.7395	10.926	13.942	0	0	0.0%
S333	DIS. NA	mg/L	28	10MAY1999 - 24APR2000	18	32.24	7.70	19.436	26.088	33.1445	39.002	46.145	0	0	0.0%
S333	DIS. SILICA	mg/L	27	20JUL1999 - 24APR2000	6	8.36	1.57	6.352	7.275	8.2475	9.659	10.382	0	0	0.0%
S333	DO	mg/L	8	10MAY1999 - 24APR2000	25	3.37	0.97	1.75	2.79	3.25	3.82	5.31	0	23	92.0%
S333	FLDCOND.	UMHOS/CM	9	10MAY1999 - 24APR2000	25	500.76	70.80	370	455	509	541	668	0	0	0.0%
S333	HARDNESS	mg/L CaCO3	35	10MAY1999 - 24APR2000	18	176.27	22.46	138.82839	157.55559	180.7947	188.99982	220.31702	0	0	0.0%
S333	LABCOND.	UMHOS/CM	14	20DEC1999 - 20DEC1999	1	566.00		566	566	566	566	566	0	0	0.0%
S333	NH4	mg N/L	182	10MAY1999 - 24APR2000	18	0.04	0.02	0.016	0.026	0.0355	0.056	0.12	0	0	0.0%
S333	NNH4	mg N/L	92	10MAY1999 - 24APR2000	18	0.08	0.04	0.036	0.051	0.073	0.089	0.189	0	0	0.0%
S333	NO2	mg N/L	19	10MAY1999 - 24APR2000	18	0.00	0.00	<0.004	<0.004	<0.004	<0.004	0.007	14	0	0.0%
S333	NO3	mg N/L	78	10MAY1999 - 24APR2000	18	0.04	0.02	0.018	0.023	0.0325	0.051	0.107	0	0	0.0%
S333	NOX	mg N/L	18:180	10MAY1999 - 24APR2000	18	0.04	0.02	0.018	0.023	0.0325	0.055	0.114	0	0	0.0%
S333	OP04	mg P/L	23	10MAY1999 - 24APR2000	18	0.01	0.00	<0.004	<0.004	0.004	0.009	0.015	7	0	0.0%
S333	ORGN	mg N/L	79	10MAY1999 - 24APR2000	18	0.98	0.13	0.794	0.853	0.99	1.083	1.201	0	0	0.0%
S333	PH	UNITS	10	10MAY1999 - 24APR2000	25	7.40	0.21	6.87	7.28	7.38	7.55	7.93	0	0	0.0%
S333	PHEOPHYTIN A	mg/m3	64	10MAY1999 - 24APR2000	17	1.08	0.21	<1	<1	<1	<1	1.8	14	0	0.0%
S333	TEMP	CENT	7	10MAY1999 - 24APR2000	25	24.76	4.05	18.06	22.68	24.4	27.97	31.39	0	0	0.0%
S333	TKN	mg N/L	21	10MAY1999 - 24APR2000	18	1.02	0.14	0.813	0.897	1.018	1.153	1.258	0	0	0.0%
S333	TN	mg N/L	80	10MAY1999 - 24APR2000	18	1.06	0.14	0.878	0.93	1.0435	1.197	1.304	0	0	0.0%
S333	TOT. AS	ug/L	106	10MAY1999 - 10APR2000	12	1.59	0.20	<1.5	<1.5	<1.5	<2	2.038	11	0	0.0%
S333	TOT. CD	ug/L	103	10MAY1999 - 10APR2000	12	0.39	0.24	<0.3	<0.3	<0.3	<0.5	1.14	11	0	0.0%
S333	TOT. CL	mg/L	32	10MAY1999 - 24APR2000	18	46.73	10.32	27.54	36.52	49.845	53.14	62.6	0	0	0.0%
S333	TOT. CU	ug/L	104	10MAY1999 - 10APR2000	12	1.36	0.41	<1.2	<1.2	<1.2	1.2385	2.374	8	0	0.0%
S333	TOT. FE	mg/L	177	10MAY1999 - 24APR2000	18	0.08	0.05	0.025163	0.047318	0.0710145	0.100947	0.192758	0	0	0.0%
S333	TOT. PB	ug/L	107	10MAY1999 - 10APR2000	12	0.88	0.23	<0.8	<0.8	<0.8	<1	1.574	11	0	0.0%
S333	TOT. SO4	mg/L	33	20JUL1999 - 18JAN2000	4	11.97	6.43	7.58	7.955	9.425	15.975	21.43	0	0	0.0%
S333	TOT. ZN	ug/L	105	10MAY1999 - 24APR2000	12	5.00	2.06	<1.3	<4	<4	6.8005	8.5	6	0	0.0%
S333	TOTAL DEPTH	METERS	99	20DEC1999 - 24APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S333	TP	mg P/L	25	10MAY1999 - 24APR2000	24	0.01	0.01	0.006	0.008	0.011	0.016	0.025	0	0	0.0%
S333	TSS	mg/L	16	10MAY1999 - 24APR2000	18	3.00	0.00	<3	<3	<3	<3	3	16	0	0.0%
S333	TURBIDITY	NTU	12	10MAY1999 - 24APR2000	18	1.08	0.59	0.377	0.643	0.9345	1.45	2.64	0	0	0.0%
S333	UN-IONIZED AMMONIA	mg/L	NONE	10MAY1999 - 24APR2000	17	0.00	0.00	0.000112	0.000325	0.000439	0.000912	0.002495	0	0	0.0%
S334	% SAT. DO	PERCENT	76	24MAY1999 - 10APR2000	13	34.79	22.49	5.1866	14.3332	34.28	57.5207	66.0488	0	0	0.0%
S334	ALKALINITY	mg/L	67	24MAY1999 - 10APR2000	13	185.81	19.27	157.7	171.3	183.2	199.8	220.1	0	0	0.0%
S334	COLOR	UNITS	13	24MAY1999 - 10APR2000	13	36.92	8.21	24	31	36	44	52	0	0	0.0%
S334	DIS. CA	mg/L	30	22JUL1999 - 10APR2000	4	63.32	5.81	58.999	59.783	61.2105	66.8525	71.851	0	0	0.0%
S334	DIS. K	mg/L	29	22JUL1999 - 10APR2000	4	2.40	0.95	1.227	1.6385	2.5015	3.155	3.357	0	0	0.0%
S334	DIS. MG	mg/L	31	22JUL1999 - 10APR2000	4	7.87	2.17	4.856	6.2795	8.5445	9.4525	9.519	0	0	0.0%
S334	DIS. NA	mg/L	28	22JUL1999 - 10APR2000	4	27.61	8.46	15.436	21.854	30.751	33.3665	33.503	0	0	0.0%
S334	DIS. SILICA	mg/L	27	22JUL1999 - 10APR2000	4	7.85	0.89	7.252	7.3095	7.4965	8.396	9.166	0	0	0.0%
S334	DO	mg/L	8	24MAY1999 - 10APR2000	13	3.04	2.01	0.42	1.2	2.96	4.99	5.52	0	10	76.9%
S334	FLDCOND.	UMHOS/CM	9	24MAY1999 - 10APR2000	13	494.92	49.68	399	463	495	525	586	0	0	0.0%
S334	HARDNESS	mg/L CaCO3	35	22JUL1999 - 10APR2000	4	190.48	16.53	171.2231	178.8619	189.79146	202.09985	211.1175	0	0	0.0%
S334	NH4	mg N/L	182	24MAY1999 - 10APR2000	13	0.30	0.27	0.026	0.063	0.236	0.487	0.909	0	0	0.0%
S334	NNH4	mg N/L	92	24MAY1999 - 10APR2000	13	0.32	0.26	0.049	0.111	0.261	0.487	0.916	0	0	0.0%
S334	NO2	mg N/L	19	24MAY1999 - 10APR2000	13	0.00	0.00	<0.004	<0.004	<0.004	<0.004	0.006	10	0	0.0%
S334	NO3	mg N/L	78	24MAY1999 - 10APR2000	13	0.02	0.02	<0.004	0.007	0.012	0.023	0.068	2	0	0.0%
S334	NOX	mg N/L	18:180	24MAY1999 - 10APR2000	13	0.02	0.02	<0.004	0.007	0.013	0.023	0.068	1	0	0.0%
S334	OP04	mg P/L	23	24MAY1999 - 10APR2000	13	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.007	9	0	0.0%
S334	ORGN	mg N/L	79	24MAY1999 - 10APR2000	13	0.79	0.23	0.377	0.72	0.854	0.881	1.245	0	0	0.0%
S334	PH	UNITS	10	24MAY1999 - 10APR2000	13	7.14	0.25	6.53	7.02	7.11	7.27	7.54	0	0	0.0%
S334	TEMP	CENT	7	24MAY1999 - 10APR2000	13	24.11	3.61	17.79	23.35	24.64	26.42	29.62	0	0	0.0%
S334	TKN	mg N/L	21	24MAY1999 - 10APR2000	13	1.09	0.26	0.825	0.917	1.039	1.093	1.777	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
US41-25	% SAT. DO	PERCENT	76	10MAY1999 - 24APR2000	25	38.97	9.64	21.9704	33.3612	38.7114	42.3581	64.6169	0	0	0.0%
US41-25	ALKALINE PHOS	nM/minml	168	10MAY1999 - 24APR2000	20	12.64	8.24	1.5	3.458	16.039	17.896	26.51	0	0	0.0%
US41-25	ALKALINITY	mg/L	67	10MAY1999 - 24APR2000	20	135.46	47.51	77.18	94.015	114.1	184.55	213.5	0	0	0.0%
US41-25	CAROTENOID	mg/m3	63	10MAY1999 - 24APR2000	19	2.12	2.06	<1	<1	1.2	2.2	8.5	7	0	0.0%
US41-25	CHLA	mg/m3	61	10MAY1999 - 24APR2000	19	5.74	7.87	1.3	1.8	2.7	4.5	31	0	0	0.0%
US41-25	CHLA2	mg/m3	112	10MAY1999 - 24APR2000	19	5.19	6.92	<1	1.8	2.7	4.1	28.6	1	0	0.0%
US41-25	CHLB	mg/m3	62	10MAY1999 - 24APR2000	19	1.08	0.30	<1	<1	<1	<1	2.3	17	0	0.0%
US41-25	CHLC	mg/m3	113	10MAY1999 - 24APR2000	19	1.08	0.16	<1	<1	<1	1.2	1.6	13	0	0.0%
US41-25	COLOR	UNITS	13	10MAY1999 - 24APR2000	20	22.95	5.38	17	19.5	21	24	36	0	0	0.0%
US41-25	DIS. CA	mg/L	30	10MAY1999 - 24APR2000	20	51.22	16.77	29.326	36.8515	44.021	68.6215	77.072	0	0	0.0%
US41-25	DIS. K	mg/L	29	10MAY1999 - 24APR2000	20	0.73	0.71	0.19	0.273	0.3855	0.9515	3.303	0	0	0.0%
US41-25	DIS. MG	mg/L	31	10MAY1999 - 24APR2000	20	2.73	2.29	1.044	1.3465	1.515	3.608	11.201	0	0	0.0%
US41-25	DIS. NA	mg/L	28	10MAY1999 - 24APR2000	20	10.19	9.33	3.058	4.1135	4.8495	14.85	42.985	0	0	0.0%
US41-25	DIS. SILICA	mg/L	27	07JUL1999 - 03JAN2000	5	3.61	0.91	2.667	3	3.21	4.499	4.659	0	0	0.0%
US41-25	DO	mg/L	8	10MAY1999 - 24APR2000	25	3.29	0.86	1.92	2.75	3.15	3.89	5.26	0	23	92.0%
US41-25	FLDCOND.	UMHOS/CM	9	10MAY1999 - 24APR2000	25	332.52	120.75	161	214	367	430	549	0	0	0.0%
US41-25	HARDNESS	mg/L CaCO3	35	10MAY1999 - 24APR2000	20	139.12	48.99	77.680534	97.214646	116.15618	185.65891	223.55012	0	0	0.0%
US41-25	LABCOND.	UMHOS/CM	14	06DEC1999 - 20DEC1999	2	276.00	128.69	185	185	276	367	367	0	0	0.0%
US41-25	NH4	mg N/L	182	10MAY1999 - 24APR2000	20	0.06	0.06	<0.009	0.0125	0.0245	0.09	0.214	3	0	0.0%
US41-25	NNH4	mg N/L	92	10MAY1999 - 24APR2000	20	0.08	0.09	<0.009	0.0265	0.0345	0.13	0.321	1	0	0.0%
US41-25	NO2	mg N/L	19	10MAY1999 - 24APR2000	20	0.01	0.01	<0.004	<0.004	<0.004	<0.004	0.023	17	0	0.0%
US41-25	NO3	mg N/L	78	10MAY1999 - 24APR2000	20	0.02	0.02	<0.004	0.008	0.014	0.0315	0.084	1	0	0.0%
US41-25	NOX	mg N/L	18:180	10MAY1999 - 24APR2000	20	0.03	0.03	<0.004	0.008	0.014	0.0315	0.107	1	0	0.0%
US41-25	OPO4	mg P/L	23	10MAY1999 - 24APR2000	20	0.00	0.00	<0.004	<0.004	<0.004	0.005	0.008	12	0	0.0%
US41-25	ORGN	mg N/L	79	10MAY1999 - 24APR2000	20	0.64	0.16	<0.5	0.5195	0.5885	0.7325	1.123	3	0	0.0%
US41-25	PH	UNITS	10	10MAY1999 - 24APR2000	25	7.38	0.19	7.12	7.22	7.38	7.46	7.76	0	0	0.0%
US41-25	PHEOPHYTIN A	mg/m3	64	10MAY1999 - 24APR2000	19	1.64	1.19	<1	<1	<1	1.9	4.8	13	0	0.0%
US41-25	TEMP	CENT	7	10MAY1999 - 24APR2000	25	25.30	3.48	19.11	23.45	24.84	28.3	30.81	0	0	0.0%
US41-25	TKN	mg N/L	21	10MAY1999 - 24APR2000	20	0.70	0.20	<0.5	0.5605	0.6375	0.7855	1.212	3	0	0.0%
US41-25	TN	mg N/L	80	10MAY1999 - 24APR2000	20	0.72	0.22	<0.5	0.5745	0.6725	0.7935	1.293	3	0	0.0%
US41-25	TOT. AS	ug/L	106	10MAY1999 - 24APR2000	13	1.54	0.14	<1.5	<1.5	<1.5	<1.5	<2	13	0	0.0%
US41-25	TOT. CD	ug/L	103	10MAY1999 - 24APR2000	13	0.32	0.06	<0.3	<0.3	<0.3	<0.5	0.323	12	0	0.0%
US41-25	TOT. CL	mg/L	32	10MAY1999 - 24APR2000	17	15.75	13.39	4.22	6.15	16.71	20.17	59.62	0	0	0.0%
US41-25	TOT. CU	ug/L	104	23JUN1999 - 24APR2000	12	1.20	0.09	<1.2	<1.2	<1.2	<1.2	1.441	11	0	0.0%
US41-25	TOT. FE	mg/L	177	10MAY1999 - 24APR2000	20	0.14	0.06	0.083136	0.099797	0.1288105	0.1725535	0.264808	0	0	0.0%
US41-25	TOT. PB	ug/L	107	10MAY1999 - 24APR2000	13	0.82	0.06	<0.8	<0.8	<0.8	<0.8	<1	13	0	0.0%
US41-25	TOT. SO4	mg/L	33	25OCT1999 - 25OCT1999	1	0.16		0.16	0.16	0.16	0.16	0.16	0	0	0.0%
US41-25	TOT. ZN	ug/L	105	10MAY1999 - 24APR2000	13	4.73	1.31	<4	<4	4.824	7.969	8	0	0	0.0%
US41-25	TOTAL DEPTH	METERS	99	20DEC1999 - 24APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
US41-25	TP	mg P/L	25	10MAY1999 - 24APR2000	25	0.02	0.01	0.005	0.009	0.013	0.027	0.048	0	0	0.0%
US41-25	TSS	mg/L	16	10MAY1999 - 24APR2000	20	3.05	0.22	<3	<3	<3	<3	4	18	0	0.0%
US41-25	TURBIDITY	NTU	12	23JUN1999 - 24APR2000	19	1.14	0.84	0.43	0.556	0.73	1.53	3.03	0	0	0.0%
US41-25	UN-IONIZED AMMONIA	mg/L	NONE	10MAY1999 - 24APR2000	18	0.00	0.00	0.000076	0.000310	0.000821	0.001247	0.003011	0	0	0.0%
S344	% SAT. DO	PERCENT	76	06JUL1999 - 13APR2000	4	32.65	14.91	16.9286	21.55765	30.8926	43.73375	51.869	0	0	0.0%
S344	ALKALINITY	mg/L	67	06JUL1999 - 13APR2000	4	99.11	52.42	53.24	53.725	98.605	144.5	146	0	0	0.0%
S344	COLOR	UNITS	13	06JUL1999 - 13APR2000	4	43.00	16.06	30	30	39.5	56	63	0	0	0.0%
S344	DIS. CA	mg/L	30	06JUL1999 - 13APR2000	4	133.65	185.40	20.484	34.6255	51.6255	232.666	410.848	0	0	0.0%
S344	DIS. K	mg/L	29	06JUL1999 - 13APR2000	4	1.66	1.77	0.204	0.617	1.1085	2.711	4.235	0	0	0.0%
S344	DIS. MG	mg/L	31	06JUL1999 - 13APR2000	4	7.71	10.48	1.083	2.005	3.197	13.414	23.361	0	0	0.0%
S344	DIS. NA	mg/L	28	06JUL1999 - 13APR2000	4	22.10	26.50	3.466	7.607	11.759	36.5875	61.405	0	0	0.0%
S344	DIS. SILICA	mg/L	27	06JUL1999 - 13APR2000	4	2.35	1.52	0.222	1.3715	2.683	3.3255	3.806	0	0	0.0%
S344	DO	mg/L	8	06JUL1999 - 13APR2000	4	2.80	1.31	1.46	1.77	2.665	3.835	4.42	0	4	100.0%
S344	FLDCOND.	UMHOS/CM	9	06JUL1999 - 13APR2000	4	3282.50	6025.78	133	234	338.5	6331	12320	0	1	25.0%
S344	HARDNESS	mg/L CaCO3	35	06JUL1999 - 13APR2000	4	365.45	506.09	55.606176	94.712454	142.06773	636.17901	1122.0413	0	0	0.0%
S344	NH4	mg N/L	182	06JUL1999 - 13APR2000	4	0.02	0.01	<0.009	0.0005	0.0175	0.025	0.025	1	0	0.0%
S344	NNH4	mg N/L	92	06JUL1999 - 13APR2000	4	0.02	0.01	0.004	0.011	0.0255	0.034	0.035	0	0	0.0%
S344	NO2	mg N/L	19	06JUL1999 - 13APR2000	4	0.00	0.00	<0.004	<0.004	<0.004	0	0.004	3	0	0.0%
S344	NO3	mg N/L	78	06JUL1999 - 13APR2000	4	0.01	0.00	<0.004	0.002	0.008	0.009	0.01	1	0	0.0%
S344	NOX	mg N/L	18:180	06JUL1999 - 13APR2000	4	0.01	0.00	0.004	0.006	0.008	0.009	0.01	0	0	0.0%
S344	OPO4	mg P/L	23	06JUL1999 - 13APR2000	4	0.01	0.00	<0.004	<0.004	0.0005	0.006	0.007	2	0	0.0%
S344	ORGN	mg N/L	79	06JUL1999 - 13APR2000	4	0.78	0.41	<0.5	0.039	0.613	1.0195	1.391	1	0	0.0%
S344	PH	UNITS	10	06JUL1999 - 13APR2000	4	7.07	0.26	6.81	6.855	7.065	7.29	7.35	0	0	0.0%
S344	TEMP	CENT	7	06JUL1999 - 13APR2000	4	24.37	3.41	20.49	22.115	24.095	26.615	28.78	0	0	0.0%
S344	TKN	mg N/L	21	06JUL1999 - 13APR2000	4	0.79	0.42	<0.5	0.0515	0.6305	1.037	1.416	1	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S176	% SAT. DO	PERCENT	76	11MAY1999 - 12APR2000	40	15.77	11.60	3.8007	6.9863	12.72415	20.66805	59.787	0	0	0.0%
S176	ALKALINE PHOS	nM/minml	168	11MAY1999 - 12APR2000	18	10.77	9.36	1.904	4.5	6.6715	13.908	33.06	0	0	0.0%
S176	ALKALINITY	mg/L	67	11MAY1999 - 12APR2000	18	204.14	16.93	152.7	195.7	208.95	213	230.5	0	0	0.0%
S176	CAROTENOID	mg/m3	63	11MAY1999 - 12APR2000	16	1.75	1.47	<1	<1	0	1.75	6.3	8	0	0.0%
S176	CHLA	mg/m3	61	11MAY1999 - 12APR2000	16	2.56	2.99	<1	<1	0.15	3.35	12.7	8	0	0.0%
S176	CHLA2	mg/m3	112	11MAY1999 - 12APR2000	16	2.34	2.40	<1	<1	0	2.8	10.4	8	0	0.0%
S176	CHLB	mg/m3	62	11MAY1999 - 12APR2000	16	1.00	0.00	<1	<1	<1	<1	<1	16	0	0.0%
S176	CHLC	mg/m3	113	11MAY1999 - 12APR2000	16	1.06	0.23	<1	<1	<1	<1	1.900000	15	0	0.0%
S176	COLOR	UNITS	13	11MAY1999 - 12APR2000	19	24.79	11.61	11	15	22	31	53	0	0	0.0%
S176	DIS. CA	mg/L	30	11MAY1999 - 12APR2000	18	74.34	6.47	62.049	70.027	75.026	79.788	85.026	0	0	0.0%
S176	DIS. K	mg/L	29	11MAY1999 - 12APR2000	18	2.66	0.71	1.951	2.203	2.4475	3.06	4.796	0	0	0.0%
S176	DIS. MG	mg/L	31	11MAY1999 - 12APR2000	18	7.41	2.26	4.55	5.263	7.1785	8.797	12.417	0	0	0.0%
S176	DIS. NA	mg/L	28	11MAY1999 - 12APR2000	18	28.04	4.94	20.519	25.047	27.1305	30.058	38.073	0	0	0.0%
S176	DIS. SILICA	mg/L	27	20JUL1999 - 05JAN2000	3	6.63	2.51	4.939	4.939	5.424	9.512	9.512	0	0	0.0%
S176	DO	mg/L	8	11MAY1999 - 12APR2000	39	1.33	0.98	0.32	0.57	1.01	1.83	5.07	0	38	97.4%
S176	FLDCOND.	UMHOS/CM	9	11MAY1999 - 12APR2000	39	532.08	30.20	461	516	538	546	615	0	0	0.0%
S176	HARDNESS	mg/L CaCO3	35	11MAY1999 - 12APR2000	18	216.13	11.60	189.5473	209.66981	218.8615	224.47333	233.46616	0	0	0.0%
S176	LABCOND.	UMHOS/CM	14	27JUL1999 - 08DEC1999	28	525.18	25.75	453	513	533.5	541.5	558	0	0	0.0%
S176	NH4	mg N/L	182	11MAY1999 - 12APR2000	41	0.24	0.07	0.082	0.189	0.235	0.273	0.4	0	0	0.0%
S176	NNH4	mg N/L	92	11MAY1999 - 12APR2000	38	0.29	0.07	0.165	0.261	0.276	0.307	0.499	0	0	0.0%
S176	NO2	mg N/L	19	11MAY1999 - 12APR2000	40	0.01	0.01	<0.004	<0.004	0.005	0.0075	0.034	14	0	0.0%
S176	NO3	mg N/L	78	11MAY1999 - 12APR2000	37	0.05	0.06	0.007	0.015	0.024	0.054	0.271	0	0	0.0%
S176	NOX	mg N/L	18:180	11MAY1999 - 12APR2000	38	0.05	0.06	0.007	0.022	0.0275	0.061	0.305	0	0	0.0%
S176	ORP4	mg P/L	23	11MAY1999 - 12APR2000	40	0.00	0.00	<0.004	<0.004	<0.004	0.004	0.008	29	0	0.0%
S176	ORGN	mg N/L	79	11MAY1999 - 12APR2000	41	0.55	0.21	<0.5	0.389	0.489	0.631	1.378	2	0	0.0%
S176	PH	UNITS	10	11MAY1999 - 12APR2000	39	7.42	0.28	6.7	7.29	7.38	7.59	7.92	0	0	0.0%
S176	PHEOPHYTIN A	mg/m3	64	11MAY1999 - 12APR2000	16	1.29	0.73	<1	<1	<1	<1	3.2	13	0	0.0%
S176	TEMP	CENT	7	11MAY1999 - 12APR2000	39	25.29	1.84	21.18	24.17	25.13	26.49	29.1	0	0	0.0%
S176	TKN	mg N/L	21	11MAY1999 - 12APR2000	41	0.78	0.22	<0.5	0.626	0.716	0.891	1.572	2	0	0.0%
S176	TN	mg N/L	80	11MAY1999 - 12APR2000	41	0.82	0.25	<0.5	0.673	0.748	0.929	1.877	2	0	0.0%
S176	TOT. AS	ug/L	106	20JUL1999 - 05JAN2000	2	1.50	0.00	<1.5	<1.5	<1.5	<1.5	<1.5	2	0	0.0%
S176	TOT. CD	ug/L	103	20JUL1999 - 05JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S176	TOT. CL	mg/L	32	11MAY1999 - 12APR2000	18	42.61	8.01	29.02	37.93	40.95	46.51	63.06	0	0	0.0%
S176	TOT. CU	ug/L	104	20JUL1999 - 05JAN2000	2	7.50	8.91	<1.2	<1.2	6.3015	13.803	13.803	1	0	0.0%
S176	TOT. FE	mg/L	177	11MAY1999 - 12APR2000	18	0.34	0.13	0.166611	0.252683	0.311339	0.391557	0.726176	0	0	0.0%
S176	TOT. PB	ug/L	107	20JUL1999 - 05JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S176	TOT. SO4	mg/L	33	20JUL1999 - 27OCT1999	2	4.79	0.34	4.55	4.55	4.79	5.03	5.03	0	0	0.0%
S176	TOT. ZN	ug/L	105	20JUL1999 - 05JAN2000	2	19.25	21.56	<4	<4	15.248	34.496	34.496	1	0	0.0%
S176	TOTAL DEPTH	METERS	99	08DEC1999 - 08DEC1999	1	0.00		0	0	0	0	0	0	0	0.0%
S176	TP	mg P/L	25	11MAY1999 - 12APR2000	40	0.01	0.00	0.004	0.006	0.008	0.011	0.027	0	0	0.0%
S176	TSS	mg/L	16	11MAY1999 - 12APR2000	41	4.17	3.55	<3	<3	<3	<3	21	33	0	0.0%
S176	TURBIDITY	NTU	12	11MAY1999 - 12APR2000	40	3.87	5.43	1.06	1.885	2.945	4.13	36.2	0	1	2.5%
S176	UN-IONIZED AMMONIA	mg/L	NONE	11MAY1999 - 12APR2000	38	0.01	0.00	0.000619	0.002596	0.004020	0.005739	0.013260	0	0	0.0%
S177	% SAT. DO	PERCENT	76	11MAY1999 - 12APR2000	23	28.55	18.80	8.6839	11.657	20.1487	44.7664	65.9852	0	0	0.0%
S177	ALKALINE PHOS	nM/minml	168	11MAY1999 - 12APR2000	21	9.24	8.43	1.296	3.3	6.7	11.134	37.296	0	0	0.0%
S177	ALKALINITY	mg/L	67	11MAY1999 - 12APR2000	23	197.13	20.47	108.1	194.6	200.1	204.8	219.1	0	0	0.0%
S177	CAROTENOID	mg/m3	63	11MAY1999 - 12APR2000	20	2.12	4.23	<1	<1	<1	1.05	20	14	0	0.0%
S177	CHLA	mg/m3	61	11MAY1999 - 12APR2000	20	3.74	8.58	<1	<1	1.35	1.95	39.7	7	0	0.0%
S177	CHLA2	mg/m3	112	11MAY1999 - 12APR2000	20	3.45	8.28	<1	<1	1.3	1.8	38.4	8	0	0.0%
S177	CHLB	mg/m3	62	11MAY1999 - 12APR2000	20	1.01	0.02	<1	<1	<1	<1	1.1	19	0	0.0%
S177	CHLC	mg/m3	113	11MAY1999 - 12APR2000	20	1.12	0.49	<1	<1	<1	<1	3.2	18	0	0.0%
S177	COLOR	UNITS	13	11MAY1999 - 12APR2000	23	20.17	10.96	10	12	15	25	45	0	0	0.0%
S177	DIS. CA	mg/L	30	11MAY1999 - 12APR2000	23	72.43	8.06	39.657	70.242	73.971	76.737	81.436	0	0	0.0%
S177	DIS. K	mg/L	29	11MAY1999 - 12APR2000	23	3.21	1.11	1.898	2.096	3.144	4.443	4.859	0	0	0.0%
S177	DIS. MG	mg/L	31	11MAY1999 - 12APR2000	23	6.68	1.96	4.672	5.297	6.182	7.868	11.434	0	0	0.0%
S177	DIS. NA	mg/L	28	11MAY1999 - 12APR2000	23	24.20	5.24	17.693	20.216	22.675	26.439	38.599	0	0	0.0%
S177	DIS. SILICA	mg/L	27	06JUL1999 - 24JAN2000	5	6.61	2.63	4.636	4.782	4.811	8.58	10.25	0	0	0.0%
S177	DO	mg/L	8	11MAY1999 - 12APR2000	22	2.37	1.58	0.74	0.98	1.71	3.69	5.59	0	20	90.9%
S177	FLDCOND.	UMHOS/CM	9	11MAY1999 - 12APR2000	22	511.86	30.37	442	496	512	527	579	0	0	0.0%
S177	HARDNESS	mg/L CaCO3	35	11MAY1999 - 12APR2000	23	208.37	15.88	143.55865	204.8781	211.03702	215.95244	226.23477	0	0	0.0%
S177	LABCOND.	UMHOS/CM	14	08DEC1999 - 08DEC1999	1	501.00		501	501	501	501	501	0	0	0.0%
S177	NH4	mg N/L	182	11MAY1999 - 12APR2000	23	0.16	0.08	0.038	0.092	0.139	0.233	0.334	0	0	0.0%
S177	NNH4	mg N/L	92	11MAY1999 - 12APR2000	22	0.22	0.09	0.066	0.161	0.201	0.262	0.446	0	0	0.0%

Table A11-1b.3 (cont'd). Summary statistics of Non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2000 (May 1, 1999 – April 30, 2000). Table A11-1b.3 continues through page A11-1b-21.

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	NUMBER OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S178	% SAT. DO	PERCENT	76	26MAY1999 - 26APR2000	12	32.65	16.55	4.2921	19.5416	33.2055	45.634765	59.5121	0	0	0.0%
S178	ALKALINE PHOS	nM/minml	168	26MAY1999 - 26APR2000	12	7.22	7.77	<1	1.198	3.9425	13.2845	24.401	2	0	0.0%
S178	ALKALINITY	mg/L	67	26MAY1999 - 26APR2000	12	147.34	32.77	79.99	130.3	145.45	175.1	194.7	0	0	0.0%
S178	CAROTENOID	mg/m3	63	26MAY1999 - 26APR2000	10	3.15	3.11	<1	1.2	1.9	4.1	11	1	0	0.0%
S178	CHLA	mg/m3	61	26MAY1999 - 26APR2000	10	6.48	4.45	1.9	2.9	5.35	10	14.8	0	0	0.0%
S178	CHLA2	mg/m3	112	26MAY1999 - 26APR2000	10	5.46	3.64	1.5	2.9	3.95	8.7	11.3	0	0	0.0%
S178	CHLB	mg/m3	62	26MAY1999 - 26APR2000	10	1.07	0.13	<1	<1	<1	1.1	1.4	6	0	0.0%
S178	CHLC	mg/m3	113	26MAY1999 - 26APR2000	10	1.29	0.65	<1	<1	<1	1.2	3.1	6	0	0.0%
S178	COLOR	UNITS	13	26MAY1999 - 26APR2000	12	18.75	6.50	10	14.5	17.5	23	32	0	0	0.0%
S178	DIS. CA	mg/L	30	26MAY1999 - 26APR2000	12	58.25	15.17	30.898	45.729	59.583	70.845	79.867	0	0	0.0%
S178	DIS. K	mg/L	29	26MAY1999 - 26APR2000	12	14.51	9.51	4.269	10.8565	11.6395	15.204	42.604	0	0	0.0%
S178	DIS. MG	mg/L	31	26MAY1999 - 26APR2000	12	8.50	8.48	4.934	5.39	6.087	6.9545	35.31	0	0	0.0%
S178	DIS. NA	mg/L	28	26MAY1999 - 26APR2000	12	39.36	70.25	13.606	17.7985	19.9855	21.191	262.223	0	0	0.0%
S178	DIS. SILICA	mg/L	27	27OCT1999 - 19JAN2000	2	1.09	0.96	0.406	0.406	1.0855	1.765	1.765	0	0	0.0%
S178	DO	mg/L	8	26MAY1999 - 26APR2000	12	2.76	1.36	0.38	1.665	3.06	3.68	4.98	0	12	100.0%
S178	FLDCOND.	UMHOS/CM	9	26MAY1999 - 26APR2000	12	470.58	60.34	355	425.5	464.5	519.5	564	0	0	0.0%
S178	HARDNESS	mg/L CaCO3	35	26MAY1999 - 26APR2000	12	180.44	58.44	101.66309	142.74862	172.66184	203.54535	328.15132	0	0	0.0%
S178	NH4	mg N/L	182	26MAY1999 - 26APR2000	12	0.03	0.03	<0.009	0.0115	0.02	0.03	0.094	2	0	0.0%
S178	NNH4	mg N/L	92	26MAY1999 - 26APR2000	12	0.04	0.04	0.005	0.019	0.0315	0.059	0.118	0	0	0.0%
S178	NO2	mg N/L	19	26MAY1999 - 26APR2000	12	0.00	0.00	<0.004	<0.004	<0.004	0	0.004	9	0	0.0%
S178	NO3	mg N/L	78	26MAY1999 - 26APR2000	12	0.01	0.02	0.005	0.0055	0.008	0.0145	0.06	0	0	0.0%
S178	NOX	mg N/L	18:180	26MAY1999 - 26APR2000	12	0.02	0.02	0.005	0.0065	0.0085	0.0165	0.064	0	0	0.0%
S178	OPO4	mg P/L	23	26MAY1999 - 26APR2000	12	0.01	0.02	<0.004	0.005	0.009	0.0145	0.078	2	0	0.0%
S178	ORGN	mg N/L	79	26MAY1999 - 26APR2000	12	0.63	0.17	<0.5	0.448	0.579	0.7305	1.002	2	0	0.0%
S178	PH	UNITS	10	26MAY1999 - 26APR2000	12	7.55	0.24	7.16	7.375	7.555	7.745	7.95	0	0	0.0%
S178	PHEOPHYTIN A	mg/m3	64	26MAY1999 - 26APR2000	10	1.76	1.43	<1	<1	0.05	1.7	5.5	5	0	0.0%
S178	TEMP	CENT	7	26MAY1999 - 26APR2000	12	24.52	3.18	17.97	22.415	24.855	26.48	29.92	0	0	0.0%
S178	TKN	mg N/L	21	26MAY1999 - 26APR2000	12	0.65	0.17	<0.5	0.5195	0.59	0.7425	1.029	2	0	0.0%
S178	TN	mg N/L	80	26MAY1999 - 26APR2000	12	0.67	0.18	<0.5	0.5355	0.6035	0.7485	1.034	2	0	0.0%
S178	TOT. AS	ug/L	106	21JUL1999 - 19JAN2000	2	1.50	0.00	<1.5	<1.5	<1.5	<1.5	<1.5	2	0	0.0%
S178	TOT. CD	ug/L	103	21JUL1999 - 19JAN2000	2	0.30	0.00	<0.3	<0.3	<0.3	<0.3	<0.3	2	0	0.0%
S178	TOT. CL	mg/L	32	26MAY1999 - 26APR2000	12	66.34	119.71	24.23	30.095	32.165	35.96	446.24	0	0	0.0%
S178	TOT. CU	ug/L	104	21JUL1999 - 19JAN2000	2	1.30	0.14	<1.2	<1.2	0.1	1.4	1.4	1	0	0.0%
S178	TOT. FE	ug/L	177	26MAY1999 - 26APR2000	12	0.07	0.09	0.01986	0.028501	0.032682	0.06792	0.343196	0	0	0.0%
S178	TOT. PB	ug/L	107	21JUL1999 - 19JAN2000	2	0.80	0.00	<0.8	<0.8	<0.8	<0.8	<0.8	2	0	0.0%
S178	TOT. SO4	mg/L	33	21JUL1999 - 26APR2000	4	28.58	8.67	17.46	21.935	29.78	35.23	37.31	0	0	0.0%
S178	TOT. ZN	ug/L	105	21JUL1999 - 19JAN2000	2	4.00	0.00	<4	<4	<4	<4	<4	2	0	0.0%
S178	TOTAL DEPTH	METERS	99	08DEC1999 - 26APR2000	2	0.25	0.35	0	0	0.25	0.5	0.5	0	0	0.0%
S178	TP	mg P/L	25	26MAY1999 - 26APR2000	12	0.03	0.02	0.01	0.019	0.0275	0.0345	0.093	0	0	0.0%
S178	TSS	mg/L	16	26MAY1999 - 26APR2000	12	3.17	0.58	<3	<3	<3	<3	5	10	0	0.0%
S178	TURBIDITY	NTU	12	26MAY1999 - 26APR2000	12	1.85	0.85	0.56	1.105	1.84	2.775	2.86	0	0	0.0%
S178	UNIONIZED AMMONIA	mg/L	NONE	26MAY1999 - 26APR2000	12	0.00	0.00	0.000141	0.000176	0.000371	0.001182	0.005615	0	0	0.0%
S331-173	% SAT. DO	PERCENT	76	12MAY1999 - 25APR2000	49	20.44	12.81	3.64	10.98	17.7893	26.9495	54.762	0	0	0.0%
S331-173	ALKALINITY	mg/L	67	12MAY1999 - 25APR2000	26	206.65	11.78	190.1	197.6	206.85	212.9	244	0	0	0.0%
S331-173	COLOR	UNITS	13	12MAY1999 - 25APR2000	26	26.12	8.30	12	21	24.5	28	47	0	0	0.0%
S331-173	DIS. CA	mg/L	30	08JUL1999 - 11APR2000	4	73.16	8.26	62.031	67.311	74.565	79.0105	81.482	0	0	0.0%
S331-173	DIS. K	mg/L	29	08JUL1999 - 11APR2000	4	2.67	0.80	2.1	2.155	2.368	3.179	3.832	0	0	0.0%
S331-173	DIS. MG	mg/L	31	08JUL1999 - 11APR2000	4	8.13	3.11	5.444	5.637	7.5185	10.626	12.045	0	0	0.0%
S331-173	DIS. NA	mg/L	28	08JUL1999 - 11APR2000	4	30.07	6.51	24.236	25.833	28.3575	34.298	39.311	0	0	0.0%
S331-173	DIS. SILICA	mg/L	27	08JUL1999 - 11APR2000	5	6.95	1.96	5.013	5.278	6.467	8.765	9.245	0	0	0.0%
S331-173	DO	mg/L	8	12MAY1999 - 25APR2000	49	1.71	1.05	0.31	0.93	1.52	2.26	4.5	0	49	100.0%
S331-173	FLDCOND.	UMHOS/CM	9	12MAY1999 - 25APR2000	49	529.31	36.50	452	510	535	548	659	0	0	0.0%
S331-173	HARDNESS	mg/L CaCO3	35	08JUL1999 - 11APR2000	4	216.15	13.10	204.46863	204.86232	215.56203	227.44098	229.0139	0	0	0.0%
S331-173	LABCOND.	UMHOS/CM	14	27JUL1999 - 18NOV1999	28	519.46	29.00	453	503	526.5	542	560	0	0	0.0%
S331-173	NH4	mg N/L	182	12MAY1999 - 25APR2000	49	0.29	0.07	0.107	0.247	0.289	0.33	0.467	0	0	0.0%
S331-173	NNH4	mg N/L	92	12MAY1999 - 25APR2000	49	0.32	0.06	0.195	0.27	0.31	0.351	0.505	0	0	0.0%
S331-173	NO2	mg N/L	19	12MAY1999 - 25APR2000	48	0.00	0.00	<0.004	<0.004	<0.004	<0.004	0.025	40	0	0.0%
S331-173	NO3	mg N/L	78	12MAY1999 - 25APR2000	48	0.03	0.03	<0.004	0.0105	0.02	0.03	0.152	1	0	0.0%
S331-173	NOX	mg N/L	18:180	12MAY1999 - 25APR2000	49	0.03	0.03	<0.004	0.011	0.02	0.03	0.177	1	0	0.0%
S331-173	OPO4	mg P/L	23	12MAY1999 - 25APR2000	48	0.00	0.00	<0.004	<0.004	<0.004	0	0.008	36	0	0.0%
S331-173	ORGN	mg N/L	79	12MAY1999 - 25APR2000	49	0.56	0.16	<0.5	0.432	0.52	0.627	1.144	2	0	0.0%
S331-173	PH	UNITS	10	12MAY1999 - 25APR2000	49	7.33	0.21	6.72	7.24	7.32	7.41	7.76	0	0	0.0%
S331-173	SALINITY	UNITS	98	08NOV1999 - 07DEC1999	3	0.23	0.06	0.2	0.2	0.2	0.3	0.3	0	0	0.0%
S331-173	TEMP	CENT	7	12MAY1999 - 25APR2000	49	25.38	1.76	20.91	24.48	25.39	26.65	28.65	0	0	0.0%