

# Appendix 8B-1b: Summary Statistics of Non-ECP Water Quality Monitoring Data for Water Year 2002

Shi Kui Xue and Steven Hill

## Appendix Note:

Summary statistics are tabulated in **Table 3** for all parameters collected during Water Year 2002 at non-ECP water quality monitoring sites. **Table 1** depicts the parameter names and associated Florida Class III Fresh Water Surface Criteria.

Additionally, the parameter summary statistics shown in **Table 3** are sequenced according to the order shown in **Table 1**. The monitoring sites are sequenced based on the order shown in **Table 2**.

The non-ECP structure locations are depicted in **Figure 1, Appendix 8B-1**.

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

Parameter Name	Abbreviated Parameter Name	Units	SFVMD Lab Number	Class III Criteria Predominantly Fresh Surface Waters Section 62-302.530, F.A.C.
<b>PHYSICAL</b>				
% 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 umhos/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 CaCO3	35	None
Temperature	TEMP	centigrade	7	None
Alkalinity	ALKALINITY	mg/L	67	Not less than 20 mg/L
<b>NUTRIENTS</b>				
Total Nitrogen	TN	mg N/L	80	narrative criteria
Nitrite + Nitrate	NOX	mg N/L	18;180	narrative criteria
Nitrite	NO2	mg N/L	19	narrative criteria
Nitrate	NO3	mg N/L	78	narrative criteria
Ammonium	NH4	mg N/L	182	narrative criteria
Un-ionized Ammonia	UN-IONIZED AMMONIA	mg/L as NH3	NONE	Less than or equal to 0.02 mg/L
Inorganic Nitrogen	NNH4	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	OPO4	mg P/L	23	narrative criteria
Total Phosphorus	TP	mg P/L	25	narrative criteria
<b>MAJOR IONS</b>				
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. SO4	mg/L	33	None
Total Chlorides	TOT. CL	mg/L	32	None
<b>TRACE ELEMENTS</b>				
Total Arsenic	TOT. AS	ug/L	106	Less than or equal to 50 ug/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 Mercury	TOT. HG	ug/L	102	Less than or equal to .012 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
<b>BIOLOGICAL</b>				
Carotenoid	CAROTENOID or CAROT	mg/m3	63	None
Chlorophyll-A	CHLA	mg/m3	61	None
Chlorophyll-A2	CHLA2	mg/m3	112	None
Chlorophyll-B	CHLB	mg/m3	62	None
Chlorophyll-C	CHLC	mg/m3	113	None

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

STRUCTURE CATEGORY	Non-ECP PERMIT STRUCTURE	WATER QUALITY SAMPLING SITE	Comments
INTO	ACME1DS	ACME1DS	
	ACME1 + (Upstream of ACME1DS)	VOW1	Autosampler installed upstream of pump station during WY2001
	G-94D	G94D	
	ACME2 + (Upstream of G94D)	VOW2	Autosampler installed upstream of pump station during WY2001
	G-123	G123	Autosampler installed upstream of pump station during WY2001
	S-9	S9	
	S-9A	S-9A	Data not yet available in WY2002
	S-14	S14	
	S-18C	S18C	
	S-140	S140	Autosampler installed upstream of pump station during WY2001
	S-175	S175	
	S-190	S190	Autosampler installed upstream of pump station during WY2001
	S-332	S332	
	NSID1	NSIDSP01 S38B	Autosampler installed upstream of pump station during WY2002
WITHIN	G-64	G64	
	G-69	G69	
	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	
	S-332D	S-332D	The site is not a Non-ECP structure, data are presented for information only

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 3.** Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
ACME1DS	DO	mg/L	8	22MAY2001 - 22APR2002	16	4.561	1.322	1.870	3.865	4.610	5.485	7.120	0	9	56.25%
ACME1DS	FLDCOND.	UMHOS/CM	9	22MAY2001 - 22APR2002	16	544.781	170.298	209.000	418.000	572.000	673.750	751.000	0	0	0.00%
ACME1DS	PH	UNITS	10	22MAY2001 - 22APR2002	16	7.379	0.254	6.970	7.290	7.380	7.460	8.000	0	0	0.00%
ACME1DS	TURBIDITY	NTU	12	22MAY2001 - 22APR2002	16	4.148	3.465	0.771	1.705	4.100	4.715	15.800	0	0	0.00%
ACME1DS	TSS	mg/L	16	22MAY2001 - 22APR2002	16	5.900	4.774	1.000	1.600	5.800	7.300	20.400	0	0	0.00%
ACME1DS	COLOR	UNITS	13	22MAY2001 - 22APR2002	16	102.313	16.003	78.000	94.000	98.500	112.000	134.000	0	0	0.00%
ACME1DS	HARDNESS	mg/L CACO3	35	03JUL2001 - 22APR2002	4	151.275	39.382	100.000	122.150	156.450	180.400	192.200	0	0	0.00%
ACME1DS	TEMP	CENT	7	22MAY2001 - 22APR2002	16	27.025	3.461	21.460	24.040	27.615	29.830	31.850	0	0	0.00%
ACME1DS	ALKALINITY	mg/L	67	22MAY2001 - 22APR2002	16	155.523	44.844	61.540	122.705	172.600	188.800	199.900	0	0	0.00%
ACME1DS	TN	mg N/L	80	22MAY2001 - 22APR2002	16	1.617	0.363	1.010	1.353	1.614	1.869	2.249	0	0	0.00%
ACME1DS	NOX	mg N/L	18;180	22MAY2001 - 22APR2002	16	0.022	0.023	0.004	0.005	0.009	0.047	0.063	0	0	0.00%
ACME1DS	NO2	mg N/L	19	22MAY2001 - 22APR2002	16	0.007	0.004	0.004	0.004	0.005	0.008	0.017	0	0	0.00%
ACME1DS	NO3	mg N/L	78	22MAY2001 - 22APR2002	16	0.017	0.019	0.004	0.004	0.006	0.034	0.057	0	0	0.00%
ACME1DS	NH4	mg N/L	20	22MAY2001 - 22APR2002	16	0.094	0.107	0.009	0.018	0.070	0.105	0.359	0	0	0.00%
ACME1DS	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 22APR2002	16	0.0020	0.0021	0.0001	0.0004	0.0017	0.0026	0.0067	0	0	0.00%
ACME1DS	NNH4	mg N/L	92	22MAY2001 - 22APR2002	16	0.115	0.125	0.005	0.022	0.089	0.131	0.422	0	0	0.00%
ACME1DS	ORGN	mg N/L	79	22MAY2001 - 22APR2002	16	1.503	0.308	0.989	1.295	1.498	1.661	2.249	0	0	0.00%
ACME1DS	TKN	mg N/L	21	22MAY2001 - 22APR2002	16	1.596	0.354	1.010	1.319	1.599	1.855	2.249	0	0	0.00%
ACME1DS	OPO4	mg P/L	23	22MAY2001 - 22APR2002	16	0.019	0.010	0.006	0.012	0.017	0.027	0.045	0	0	0.00%
ACME1DS	TP	mg P/L	25	22MAY2001 - 22APR2002	16	0.074	0.033	0.028	0.040	0.078	0.104	0.114	0	0	0.00%
ACME1DS	DIS. CA	mg/L	30	03JUL2001 - 22APR2002	6	53.330	21.423	30.224	33.600	51.309	67.837	85.700	0	0	0.00%
ACME1DS	DIS. K	mg/L	29	03JUL2001 - 22APR2002	4	3.478	1.881	1.246	2.078	3.476	4.877	5.712	0	0	0.00%
ACME1DS	DIS. MG	mg/L	31	03JUL2001 - 22APR2002	6	7.135	1.761	5.434	5.546	6.880	8.331	9.740	0	0	0.00%
ACME1DS	DIS. NA	mg/L	28	03JUL2001 - 22APR2002	4	30.349	5.714	21.781	27.391	33.110	33.307	33.395	0	0	0.00%
ACME1DS	TOT. CL	mg/L	32	22MAY2001 - 22APR2002	16	64.084	23.864	24.240	46.775	62.740	81.780	102.530	0	0	0.00%
ACME1DS	TOT. SO4	mg/L	33	03JUL2001 - 22APR2002	5	12.676	7.903	3.320	9.080	10.890	15.710	24.380	0	0	0.00%
ACME1DS	DIS. SILICA	mg/L	27	03JUL2001 - 22APR2002	5	6.296	1.812	4.267	4.758	6.810	6.894	8.750	0	0	0.00%
ACME1DS	TOT. FE	mg/L	177	03JUL2001 - 22APR2002	4	0.214	0.113	0.105	0.116	0.214	0.311	0.321	0	0	0.00%
ACME1DS	TOT. CD	ug/L	103	29AUG2001 - 13FEB2002	2	0.165	0.191	0.030	0.030	0.165	0.300	0.300	0	0	0.00%
ACME1DS	TOT. CU	ug/L	104	29AUG2001 - 29AUG2001	1	1.200		1.200	1.200	1.200	1.200	1.200	0	0	0.00%
ACME1DS	TOT. MTHY HG	ng/L	203	29AUG2001 - 13FEB2002	3	0.293	0.136	0.210	0.210	0.220	0.450	0.450	0	0	0.00%
ACME1DS	TOT. ZN	ug/L	105	29AUG2001 - 29AUG2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%
VOW1	DO	mg/L	8	28JUN2001 - 27JUL2001	3	4.067	0.321	3.700	3.700	4.200	4.300	4.300	0	3	100.00%
VOW1	FLDCOND.	UMHOS/CM	9	28JUN2001 - 27JUL2001	3	489.000	50.715	453.000	453.000	467.000	547.000	547.000	0	0	0.00%
VOW1	PH	UNITS	10	28JUN2001 - 27JUL2001	3	7.330	0.095	7.230	7.230	7.340	7.420	7.420	0	0	0.00%
VOW1	TEMP	CENT	7	28JUN2001 - 27JUL2001	3	28.800	1.308	27.300	27.300	29.400	29.700	29.700	0	0	0.00%
VOW1	TP	mg P/L	25	02JUN2001 - 20FEB2002	21	0.080	0.045	0.037	0.055	0.069	0.087	0.240	0	0	0.00%
VOW1Auto	TP	mg P/L	25	07JUN2001 - 07MAR2002	28	0.085	0.024	0.049	0.066	0.085	0.105	0.120	0	0	0.00%
G94D	DO	mg/L	8	22MAY2001 - 22APR2002	16	4.187	1.670	1.170	3.025	4.445	5.545	6.730	0	11	68.75%
G94D	FLDCOND.	UMHOS/CM	9	22MAY2001 - 22APR2002	16	470.494	109.187	225.000	408.000	496.000	544.500	639.000	0	0	0.00%
G94D	PH	UNITS	10	22MAY2001 - 22APR2002	16	7.265	0.221	6.980	7.170	7.220	7.305	7.890	0	0	0.00%
G94D	TURBIDITY	NTU	12	22MAY2001 - 22APR2002	16	7.056	5.474	1.510	2.665	6.280	9.515	22.300	0	0	0.00%
G94D	TSS	mg/L	16	22MAY2001 - 22APR2002	16	10.600	7.824	2.000	3.500	10.200	15.000	31.200	0	0	0.00%
G94D	COLOR	UNITS	13	22MAY2001 - 22APR2002	16	87.938	21.302	63.000	76.000	80.000	96.500	134.000	0	0	0.00%
G94D	HARDNESS	mg/L CACO3	35	03JUL2001 - 22APR2002	4	161.250	44.833	104.800	125.400	169.300	197.100	201.600	0	0	0.00%
G94D	TEMP	CENT	7	22MAY2001 - 22APR2002	16	26.816	3.166	21.930	24.190	27.350	29.425	31.520	0	0	0.00%
G94D	ALKALINITY	mg/L	67	22MAY2001 - 22APR2002	16	153.882	37.617	67.100	137.800	165.550	177.515	197.700	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
G94D	TN	mg N/L	80	22MAY2001 - 22APR2002	16	1.415	0.284	1.044	1.172	1.371	1.600	1.960	0	0	0.00%
G94D	NOX	mg N/L	18;180	22MAY2001 - 22APR2002	16	0.018	0.019	0.004	0.004	0.013	0.025	0.061	0	0	0.00%
G94D	NO2	mg N/L	19	22MAY2001 - 22APR2002	16	0.006	0.003	0.004	0.004	0.004	0.010	0.014	0	0	0.00%
G94D	NO3	mg N/L	78	22MAY2001 - 22APR2002	16	0.015	0.015	0.004	0.004	0.009	0.018	0.052	0	0	0.00%
G94D	NH4	mg N/L	20	22MAY2001 - 22APR2002	16	0.062	0.074	0.009	0.009	0.030	0.080	0.219	0	0	0.00%
G94D	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 22APR2002	16	0.0010	0.0012	0.0001	0.0002	0.0005	0.0020	0.0037	0	0	0.00%
G94D	NNH4	mg N/L	92	22MAY2001 - 22APR2002	16	0.078	0.091	0.004	0.009	0.042	0.118	0.260	0	0	0.00%
G94D	ORGN	mg N/L	79	22MAY2001 - 22APR2002	16	1.339	0.251	1.003	1.129	1.283	1.529	1.839	0	0	0.00%
G94D	TKN	mg N/L	21	22MAY2001 - 22APR2002	16	1.398	0.276	1.030	1.166	1.354	1.600	1.917	0	0	0.00%
G94D	OPO4	mg P/L	23	22MAY2001 - 22APR2002	16	0.023	0.013	0.008	0.014	0.021	0.030	0.064	0	0	0.00%
G94D	TP	mg P/L	25	22MAY2001 - 22APR2002	16	0.092	0.035	0.036	0.055	0.102	0.120	0.142	0	0	0.00%
G94D	DIS. CA	mg/L	30	03JUL2001 - 22APR2002	6	55.847	20.519	31.811	36.200	58.087	71.499	79.400	0	0	0.00%
G94D	DIS. MG	mg/L	29	03JUL2001 - 22APR2002	4	3.713	1.939	1.377	2.179	3.844	5.247	5.787	0	0	0.00%
G94D	DIS. K	mg/L	31	03JUL2001 - 22APR2002	6	6.054	1.727	3.744	4.770	5.887	8.000	8.035	0	0	0.00%
G94D	DIS. NA	mg/L	28	03JUL2001 - 22APR2002	4	24.198	7.443	16.137	19.058	23.328	29.339	34.000	0	0	0.00%
G94D	TOT. CL	mg/L	32	22MAY2001 - 22APR2002	16	39.107	13.999	25.800	28.525	33.680	42.570	69.350	0	0	0.00%
G94D	TOT. SO4	mg/L	33	03JUL2001 - 22APR2002	5	19.656	14.300	3.220	10.980	20.630	22.230	41.220	0	0	0.00%
G94D	DIS. SILICA	mg/L	27	03JUL2001 - 22APR2002	5	5.805	1.049	4.579	5.065	5.828	6.299	7.256	0	0	0.00%
G94D	TOT. FE	mg/L	177	03JUL2001 - 22APR2002	4	0.412	0.231	0.168	0.216	0.431	0.609	0.619	0	0	0.00%
G94D	TOT. CD	ug/L	103	29AUG2001 - 13FEB2002	2	0.165	0.191	0.030	0.030	0.165	0.300	0.300	0	0	0.00%
G94D	TOT. CU	ug/L	104	29AUG2001 - 29AUG2001	1	1.200		1.200	1.200	1.200	1.200	1.200	0	0	0.00%
G94D	TOT. MTHYHS	ng/L	203	29AUG2001 - 13FEB2002	3	0.397	0.419	0.140	0.140	0.170	0.880	0.880	0	0	0.00%
G94D	TOT. ZN	ug/L	105	29AUG2001 - 29AUG2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%
VOW2	DO	mg/L	8	28JUN2001 - 27JUL2001	3	4.000	0.265	3.800	3.800	3.900	4.300	4.300	0	3	100.00%
VOW2	FLDCOND	UMHOS/CM	9	28JUN2001 - 27JUL2001	3	372.000	40.951	344.000	344.000	353.000	419.000	419.000	0	0	0.00%
VOW2	PH	UNITS	10	28JUN2001 - 27JUL2001	3	7.177	0.046	7.150	7.150	7.230	7.230	7.230	0	0	0.00%
VOW2	TEMP	CENT	7	28JUN2001 - 27JUL2001	3	29.100	1.572	27.400	27.400	29.400	30.500	30.500	0	0	0.00%
VOW2	TP	mg P/L	25	02JUN2001 - 20FEB2002	22	0.142	0.052	0.062	0.110	0.125	0.160	0.250	0	0	0.00%
VOW2Auto	TP	mg P/L	25	07JUN2001 - 07MAR2002	26	0.133	0.036	0.076	0.100	0.130	0.150	0.220	0	0	0.00%
G123	DO	mg/L	8	14MAY2001 - 29APR2002	14	3.424	1.515	1.100	2.210	3.735	4.120	5.740	0	11	78.57%
G123	FLDCOND	UMHOS/CM	9	14MAY2001 - 29APR2002	13	766.1	160.0	623.0	663.0	676.0	849.0	1198.0	0	0	0.00%
G123	PH	UNITS	10	14MAY2001 - 29APR2002	14	7.441	0.139	7.140	7.380	7.440	7.560	7.630	0	0	0.00%
G123	TURBIDITY	NTU	12	14MAY2001 - 29APR2002	14	1.896	0.951	0.588	1.130	1.520	2.670	3.670	0	0	0.00%
G123	TSS	mg/L	16	14MAY2001 - 29APR2002	13	1.954	1.059	1.000	1.200	1.200	3.000	3.600	0	0	0.00%
G123	COLOR	UNITS	13	14MAY2001 - 29APR2002	14	59.071	19.117	38.000	40.000	58.000	72.000	97.000	0	0	0.00%
G123	HARDNESS	mg/L CaCO3	35	26JUL2001 - 16APR2002	3	245.167	55.431	186.800	186.800	251.600	297.100	297.100	0	0	0.00%
G123	TEMP	CENT	7	14MAY2001 - 29APR2002	14	25.711	3.348	19.840	23.230	25.970	28.710	30.110	0	0	0.00%
G123	ALKALINITY	mg/L	67	14MAY2001 - 29APR2002	14	230.093	49.742	161.600	196.800	218.650	263.000	333.590	0	0	0.00%
G123	TN	mg N/L	80	14MAY2001 - 29APR2002	14	1.689	0.620	1.293	1.440	1.502	1.560	3.730	0	0	0.00%
G123	NOX	mg N/L	18;180	14MAY2001 - 29APR2002	14	0.142	0.415	0.004	0.006	0.012	0.029	1.570	0	0	0.00%
G123	NO2	mg N/L	19	14MAY2001 - 29APR2002	14	0.011	0.021	0.004	0.004	0.004	0.004	0.083	0	0	0.00%
G123	NO3	mg N/L	78	14MAY2001 - 29APR2002	14	0.134	0.393	0.004	0.006	0.010	0.029	1.487	0	0	0.00%
G123	NH4	mg N/L	20	14MAY2001 - 29APR2002	14	0.250	0.174	0.024	0.036	0.355	0.374	0.456	0	0	0.00%
G123	UN-IONIZED AMMONIA	mg/L	NONE	14MAY2001 - 29APR2002	14	0.0050	0.0044	0.0005	0.0008	0.0040	0.0082	0.0158	0	0	0.00%
G123	NNH4	mg N/L	92	14MAY2001 - 29APR2002	14	0.391	0.444	0.029	0.084	0.367	0.403	1.828	0	0	0.00%
G123	ORGN	mg N/L	79	14MAY2001 - 29APR2002	14	1.298	0.295	1.052	1.086	1.160	1.466	1.902	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
G123	TKN	mg N/L	21	14MAY2001 - 29APR2002	14	1.548	0.230	1.287	1.440	1.488	1.551	2.160	0	0	0.00%
G123	OPO4	mg P/L	23	14MAY2001 - 29APR2002	14	0.008	0.007	0.004	0.004	0.005	0.006	0.029	0	0	0.00%
G123	TP	mg P/L	25	14MAY2001 - 29APR2002	13	0.017	0.008	0.011	0.014	0.014	0.018	0.041	0	0	0.00%
G123	DIS. CA	mg/L	30	26JUL2001 - 16APR2002	4	76.690	16.309	58.508	62.934	78.426	90.446	91.400	0	0	0.00%
G123	DIS. K	mg/L	29	26JUL2001 - 16APR2002	4	4.399	1.086	3.570	3.671	4.031	5.127	5.963	0	0	0.00%
G123	DIS. MG	mg/L	31	26JUL2001 - 16APR2002	4	16.964	4.824	9.893	13.897	18.850	20.032	20.263	0	0	0.00%
G123	DIS. NA	mg/L	28	26JUL2001 - 16APR2002	4	61.102	12.886	42.106	53.863	65.752	68.342	70.800	0	0	0.00%
G123	TOT. CL	mg/L	32	14MAY2001 - 29APR2002	14	86.676	20.445	64.720	69.510	79.055	108.120	121.760	0	0	0.00%
G123	TOT. SO4	mg/L	33	09JUL2001 - 29APR2002	5	14.042	15.106	2.330	5.730	8.380	13.760	40.010	0	0	0.00%
G123	DIS. SILICA	mg/L	27	09JUL2001 - 29APR2002	5	11.453	3.107	6.901	10.723	10.962	13.853	14.825	0	0	0.00%
G123	TOT. FE	mg/L	177	26JUL2001 - 16APR2002	3	0.185	0.187	0.030	0.030	0.133	0.393	0.393	0	0	0.00%
G123	TOT. CD	ug/L	103	26JUL2001 - 26JUL2001	1	0.300		0.300	0.300	0.300	0.300	0.300	0	0	0.00%
G123	TOT. CU	ug/L	104	26JUL2001 - 26JUL2001	1	1.365		1.365	1.365	1.365	1.365	1.365	0	0	0.00%
G123	TOT. MTHY HG	ng/L	203	26JUL2001 - 16APR2002	4	0.236	0.298	0.038	0.067	0.113	0.405	0.680	0	0	0.00%
G123	TOT. ZN	ug/L	105	26JUL2001 - 26JUL2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%
G123Auto	TP	mg P/L	25	01MAY2001 - 30APR2002	49	0.016	0.004	0.009	0.013	0.016	0.017	0.031	0	0	0.00%
S9	DO	mg/L	8	01MAY2001 - 30APR2002	51	2.850	1.163	1.010	1.740	2.830	3.630	5.710	0	49	96.08%
S9	FILDCOND	UMHOS/CM	9	01MAY2001 - 30APR2002	51	751.631	54.002	613.000	724.000	762.000	780.000	901.000	0	0	0.00%
S9	PH	UNITS	10	01MAY2001 - 30APR2002	52	7.228	0.221	6.320	7.120	7.205	7.320	7.880	0	0	0.00%
S9	TURBIDITY	NTU	12	29MAY2001 - 02APR2002	18	6.099	5.494	0.335	2.950	4.440	6.280	21.800	0	0	0.00%
S9	TSS	mg/L	16	29MAY2001 - 02APR2002	18	5.133	4.768	2.200	2.400	3.600	5.400	19.600	0	0	0.00%
S9	COLOR	UNITS	13	29MAY2001 - 02APR2002	18	44.444	6.128	28.000	43.000	45.500	47.000	54.000	0	0	0.00%
S9	HARDNESS	mg/L CaCO3	35	26JUL2001 - 16APR2002	3	257.700	18.539	245.200	245.200	248.900	279.000	279.000	0	0	0.00%
S9	TEMP	CENT	7	01MAY2001 - 30APR2002	52	25.981	2.390	21.300	24.130	26.100	27.900	30.990	0	0	0.00%
S9	ALKALINITY	mg/L	67	29MAY2001 - 02APR2002	18	250.541	21.425	213.800	239.200	252.250	270.400	278.720	0	0	0.00%
S9	TN	mg N/L	80	01MAY2001 - 02APR2002	19	1.440	0.098	1.238	1.394	1.447	1.484	1.615	0	0	0.00%
S9	NOX	mg N/L	18;180	29MAY2001 - 02APR2002	18	0.085	0.058	0.014	0.025	0.082	0.112	0.193	0	0	0.00%
S9	NO2	mg N/L	19	29MAY2001 - 02APR2002	18	0.011	0.007	0.004	0.005	0.009	0.016	0.030	0	0	0.00%
S9	NO3	mg N/L	78	29MAY2001 - 02APR2002	18	0.074	0.052	0.012	0.020	0.076	0.096	0.163	0	0	0.00%
S9	NH4	mg N/L	20	29MAY2001 - 02APR2002	18	0.340	0.084	0.153	0.288	0.340	0.405	0.475	0	0	0.00%
S9	UN-IONIZED AMMONIA	mg/L	NONE	01MAY2001 - 30APR2002	18	0.0047	0.0026	0.0022	0.0030	0.0038	0.0048	0.0114	0	0	0.00%
S9	NNH4	mg N/L	92	29MAY2001 - 02APR2002	18	0.424	0.063	0.304	0.371	0.446	0.475	0.521	0	0	0.00%
S9	ORGN	mg N/L	79	29MAY2001 - 02APR2002	18	1.006	0.081	0.841	0.955	1.001	1.076	1.128	0	0	0.00%
S9	TKN	mg N/L	21	01MAY2001 - 02APR2002	19	1.360	0.122	1.179	1.229	1.364	1.430	1.615	0	0	0.00%
S9	OPO4	mg P/L	23	29MAY2001 - 02APR2002	18	0.005	0.004	0.004	0.004	0.004	0.005	0.019	0	0	0.00%
S9	TP	mg P/L	25	01MAY2001 - 30APR2002	49	0.016	0.009	0.009	0.012	0.015	0.018	0.073	0	0	0.00%
S9	DIS. CA	mg/L	30	26JUL2001 - 16APR2002	4	83.823	3.762	80.157	80.647	83.618	87.000	87.900	0	0	0.00%
S9	DIS. K	mg/L	29	26JUL2001 - 16APR2002	4	3.199	0.103	3.053	3.132	3.227	3.267	3.290	0	0	0.00%
S9	DIS. MG	mg/L	31	26JUL2001 - 16APR2002	4	13.240	2.478	10.943	11.100	13.229	15.380	15.559	0	0	0.00%
S9	DIS. NA	mg/L	28	26JUL2001 - 16APR2002	4	48.679	6.435	42.755	43.556	47.580	53.801	56.800	0	0	0.00%
S9	TOT. CL	mg/L	32	29MAY2001 - 02APR2002	18	68.463	5.585	55.930	65.350	69.590	72.430	75.940	0	0	0.00%
S9	TOT. SO4	mg/L	33	10JUL2001 - 02APR2002	6	3.638	1.460	1.990	2.480	3.360	4.940	5.700	0	0	0.00%
S9	DIS. SILICA	mg/L	27	10JUL2001 - 02APR2002	5	11.160	1.470	9.652	9.681	11.289	12.377	12.800	0	0	0.00%
S9	TOT. FE	mg/L	177	26JUL2001 - 16APR2002	3	0.486	0.206	0.250	0.250	0.575	0.634	0.634	0	0	0.00%
S9	TOT. CD	ug/L	103	26JUL2001 - 26JUL2001	1	0.300		0.300	0.300	0.300	0.300	0.300	0	0	0.00%
S9	TOT. CU	ug/L	104	26JUL2001 - 26JUL2001	1	2.556		2.556	2.556	2.556	2.556	2.556	0	0	0.00%
S9	TOT. MTHY HG	ng/L	203	26JUL2001 - 16APR2002	4	0.145	0.198	0.033	0.034	0.053	0.256	0.440	0	0	0.00%
S9	TOT. ZN	ug/L	105	26JUL2001 - 26JUL2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S9Auto	DO	mg/L	8	12FEB2002 - 12FEB2002	1	4.380		4.380	4.380	4.380	4.380	4.380	0	1	100.00%
S9Auto	FLDCOND	UMHOS/CM	9	12FEB2002 - 12FEB2002	1	786.000		786.000	786.000	786.000	786.000	786.000	0	0	0.00%
S9Auto	PH	UNITS	10	12FEB2002 - 12FEB2002	1	7.370		7.370	7.370	7.370	7.370	7.370	0	0	0.00%
S9Auto	TEMP	CENT	7	12FEB2002 - 12FEB2002	1	23.760		23.760	23.760	23.760	23.760	23.760	0	0	0.00%
S9Auto	TN	mg N/L	80	08MAY2001 - 02APR2002	44	1.417	0.067	1.246	1.389	1.417	1.454	1.612	0	0	0.00%
S9Auto	NOX	mg N/L	18;180	08MAY2001 - 02APR2002	43	0.094	0.053	0.010	0.057	0.093	0.128	0.221	0	0	0.00%
S9Auto	NH4	mg N/L	20	08MAY2001 - 02APR2002	43	0.322	0.078	0.144	0.255	0.313	0.395	0.489	0	0	0.00%
S9Auto	UN-IONIZED AMMONIA	mg/L	NONE	08MAY2001 - 02APR2002	1	0.0048		0.0048	0.0048	0.0048	0.0048	0.0048	0	0	0.00%
S9Auto	NNH4	mg N/L	92	08MAY2001 - 02APR2002	43	0.416	0.054	0.301	0.374	0.418	0.458	0.529	0	0	0.00%
S9Auto	ORGN	mg N/L	79	08MAY2001 - 02APR2002	43	1.001	0.059	0.875	0.961	0.981	1.042	1.160	0	0	0.00%
S9Auto	TKN	mg N/L	21	08MAY2001 - 02APR2002	44	1.325	0.089	1.175	1.256	1.319	1.394	1.588	0	0	0.00%
S9Auto	TP	mg P/L	25	08MAY2001 - 02APR2002	42	0.018	0.014	0.006	0.012	0.015	0.018	0.100	0	0	0.00%
S14	HARDNESS	mg/L CaCO3	35	24JUL2001 - 15JAN2002	2	140.900	12.728	131.900	131.900	140.900	149.900	149.900	0	0	0.00%
S14	DIS. CA	mg/L	30	24JUL2001 - 15JAN2002	2	52.242	5.294	48.498	48.498	52.242	55.985	55.985	0	0	0.00%
S14	DIS. K	mg/L	29	15JAN2002 - 15JAN2002	1	0.652		0.652	0.652	0.652	0.652	0.652	0	0	0.00%
S14	DIS. MG	mg/L	31	24JUL2001 - 15JAN2002	2	2.550	0.120	2.465	2.465	2.550	2.634	2.634	0	0	0.00%
S14	DIS. NA	mg/L	28	15JAN2002 - 15JAN2002	1	9.765		9.765	9.765	9.765	9.765	9.765	0	0	0.00%
S14	TOT. FE	mg/L	177	15JAN2002 - 15JAN2002	1	0.063		0.063	0.063	0.063	0.063	0.063	0	0	0.00%
S14	TOT. CD	ug/L	103	24JUL2001 - 15JAN2002	2	0.300	0.000	0.300	0.300	0.300	0.300	0.300	0	0	0.00%
S14	TOT. CU	ug/L	104	24JUL2001 - 15JAN2002	2	1.200	0.000	1.200	1.200	1.200	1.200	1.200	0	0	0.00%
S14	TOT. MTHY HG	ng/L	203	23JUL2001 - 15APR2002	4	0.108	0.061	0.030	0.070	0.110	0.145	0.180	0	0	0.00%
S14	TOT. ZN	ug/L	105	24JUL2001 - 15JAN2002	2	4.000	0.000	4.000	4.000	4.000	4.000	4.000	0	0	0.00%
S18C	DO	mg/L	8	09MAY2001 - 24APR2002	26	4.238	2.284	0.780	2.220	3.930	6.890	7.550	0	16	61.54%
S18C	FLDCOND	UMHOS/CM	9	09MAY2001 - 24APR2002	27	511.148	28.466	446.000	496.000	512.000	526.000	574.000	0	0	0.00%
S18C	PH	UNITS	10	09MAY2001 - 24APR2002	27	7.436	0.349	6.890	7.130	7.280	7.820	8.120	0	0	0.00%
S18C	TURBIDITY	NTU	12	23MAY2001 - 24APR2002	21	1.880	0.865	0.714	1.160	1.840	2.650	3.530	0	0	0.00%
S18C	TSS	mg/L	16	23MAY2001 - 24APR2002	21	1.410	0.523	1.000	1.000	1.200	1.400	2.800	0	0	0.00%
S18C	COLOR	UNITS	13	23MAY2001 - 24APR2002	21	10.905	2.567	7.000	9.000	10.000	12.000	18.000	0	0	0.00%
S18C	HARDNESS	mg/L CaCO3	35	23MAY2001 - 24APR2002	21	210.929	6.521	191.300	208.600	212.200	215.100	219.200	0	0	0.00%
S18C	TEMP	CENT	7	09MAY2001 - 24APR2002	27	25.531	1.869	22.460	24.100	25.400	27.110	29.540	0	0	0.00%
S18C	ALKALINITY	mg/L	67	23MAY2001 - 24APR2002	21	197.809	7.405	174.640	195.100	200.400	201.884	205.600	0	0	0.00%
S18C	SALINITY	UNITS	98	05DEC2001 - 02JAN2002	2	0.265	0.007	0.260	0.260	0.265	0.270	0.270	0	0	0.00%
S18C	TN	mg N/L	80	23MAY2001 - 24APR2002	21	0.516	0.116	0.350	0.500	0.500	0.566	0.811	0	0	0.00%
S18C	NOX	mg N/L	18;180	23MAY2001 - 24APR2002	20	0.045	0.033	0.004	0.027	0.045	0.059	0.148	0	0	0.00%
S18C	NO2	mg N/L	19	23MAY2001 - 24APR2002	21	0.005	0.002	0.004	0.004	0.004	0.005	0.011	0	0	0.00%
S18C	NO3	mg N/L	78	23MAY2001 - 24APR2002	20	0.042	0.031	0.004	0.027	0.041	0.057	0.137	0	0	0.00%
S18C	NH4	mg N/L	20	23MAY2001 - 24APR2002	21	0.059	0.044	0.009	0.010	0.055	0.094	0.168	0	0	0.00%
S18C	UN-IONIZED AMMONIA	mg/L	NONE	09MAY2001 - 24APR2002	21	0.00067	0.00030	0.00015	0.00048	0.00060	0.00089	0.00137	0	0	0.00%
S18C	NNH4	mg N/L	92	23MAY2001 - 24APR2002	20	0.105	0.071	0.004	0.040	0.106	0.155	0.242	0	0	0.00%
S18C	ORGN	mg N/L	79	23MAY2001 - 24APR2002	21	0.465	0.096	0.337	0.403	0.500	0.500	0.682	0	0	0.00%
S18C	TKN	mg N/L	21	23MAY2001 - 24APR2002	21	0.497	0.109	0.350	0.470	0.500	0.500	0.784	0	0	0.00%
S18C	OPO4	mg P/L	23	23MAY2001 - 24APR2002	21	0.004	0.001	0.004	0.004	0.004	0.004	0.007	0	0	0.00%
S18C	ALKALINE PHOS	nM/minml	168	06JUN2001 - 24APR2002	14	4.857	2.641	1.400	3.100	4.150	5.400	10.800	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S18C	TP	mg P/L	25	09MAY2001 - 24APR2002	26	0.006	0.002	0.004	0.005	0.006	0.007	0.011	0	0	0.00%
S18C	DIS. CA	mg/L	30	23MAY2001 - 24APR2002	22	76.394	3.408	67.522	75.015	77.432	77.981	81.800	0	0	0.00%
S18C	DIS. K	mg/L	29	23MAY2001 - 24APR2002	20	4.524	0.953	2.713	3.932	4.702	5.186	5.903	0	0	0.00%
S18C	DIS. MG	mg/L	31	23MAY2001 - 24APR2002	22	5.222	0.840	4.504	4.695	5.089	5.341	8.339	0	0	0.00%
S18C	DIS. NA	mg/L	28	23MAY2001 - 24APR2002	21	20.538	2.443	17.894	18.736	20.223	21.393	28.887	0	0	0.00%
S18C	TOT. CL	mg/L	32	23MAY2001 - 24APR2002	21	33.413	3.480	30.160	31.380	32.730	33.440	46.110	0	0	0.00%
S18C	TOT. SO4	mg/L	33	18JUL2001 - 24APR2002	6	11.807	1.854	10.190	10.390	11.295	12.502	15.170	0	0	0.00%
S18C	DIS. SILICA	mg/L	27	18JUL2001 - 24APR2002	6	4.583	0.578	3.862	4.022	4.658	4.947	5.351	0	0	0.00%
S18C	TOT. FE	mg/L	177	18JUL2001 - 24APR2002	6	0.211	0.115	0.017	0.152	0.241	0.264	0.351	0	0	0.00%
S18C	TOT. CD	ug/L	103	25JUL2001 - 14JAN2002	2	0.220	0.113	0.140	0.140	0.220	0.300	0.300	0	0	0.00%
S18C	TOT. CU	ug/L	104	25JUL2001 - 14JAN2002	2	1.386	0.059	1.344	1.344	1.386	1.428	1.428	0	0	0.00%
S18C	TOT. MTHY HG	ng/L	203	25JUL2001 - 15APR2002	4	0.029	0.013	0.022	0.022	0.022	0.035	0.048	0	0	0.00%
S18C	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.170	2.589	0.339	0.339	2.170	4.000	4.000	0	0	0.00%
S18C	CAROTENOID	mg/m3	63	23MAY2001 - 24APR2002	21	1.295	0.581	1.000	1.000	1.000	1.500	3.100	0	0	0.00%
S18C	CHLA	mg/m3	61	23MAY2001 - 24APR2002	21	2.000	1.052	1.000	1.000	1.900	2.600	4.100	0	0	0.00%
S18C	CHLA2	mg/m3	112	23MAY2001 - 24APR2002	21	1.886	0.903	1.000	1.100	1.700	2.100	4.100	0	0	0.00%
S18C	CHLB	mg/m3	62	23MAY2001 - 24APR2002	21	1.029	0.131	1.000	1.000	1.000	1.000	1.600	0	0	0.00%
S18C	CHLC	mg/m3	113	23MAY2001 - 24APR2002	21	1.148	0.469	1.000	1.000	1.000	1.000	2.700	0	0	0.00%
S18C	PHENOPHYTINA	mg/m3	64	23MAY2001 - 24APR2002	21	1.010	0.044	1.000	1.000	1.000	1.000	1.200	0	0	0.00%
S140	DO	mg/L	8	22MAY2001 - 26MAR2002	15	3.695	1.879	1.090	1.900	4.210	5.080	7.350	0	11	73.33%
S140	FLDCOND.	UMHOS/CM	9	22MAY2001 - 23APR2002	17	532.182	88.895	420.000	436.000	546.000	585.000	720.100	0	0	0.00%
S140	PH	UNITS	10	22MAY2001 - 23APR2002	17	7.364	0.319	7.060	7.180	7.200	7.440	8.140	0	0	0.00%
S140	TURBIDITY	NTU	12	22MAY2001 - 23APR2002	17	1.536	0.895	0.842	1.110	1.370	1.550	4.750	0	0	0.00%
S140	TSS	mg/L	16	22MAY2001 - 23APR2002	16	2.238	0.942	1.000	1.500	2.200	2.600	4.200	0	0	0.00%
S140	COLOR	UNITS	13	22MAY2001 - 23APR2002	17	79.000	27.629	41.000	55.000	73.000	96.000	136.000	0	0	0.00%
S140	HARDNESS	mg/L CaCO3	35	22MAY2001 - 05NOV2001	3	198.900	15.712	181.200	181.200	204.300	211.200	211.200	0	0	0.00%
S140	TEMP	CENT	7	22MAY2001 - 23APR2002	17	25.783	3.509	19.010	23.800	27.020	28.620	29.650	0	0	0.00%
S140	ALKALINITY	mg/L	67	22MAY2001 - 23APR2002	17	189.018	25.760	148.400	166.200	190.300	209.600	232.630	0	0	0.00%
S140	TN	mg N/L	80	22MAY2001 - 23APR2002	17	1.238	0.141	1.037	1.140	1.225	1.305	1.555	0	0	0.00%
S140	NOX	mg N/L	18;180	22MAY2001 - 23APR2002	17	0.030	0.029	0.004	0.004	0.022	0.043	0.101	0	0	0.00%
S140	NO2	mg N/L	19	22MAY2001 - 23APR2002	17	0.005	0.001	0.004	0.004	0.004	0.006	0.008	0	0	0.00%
S140	NO3	mg N/L	78	22MAY2001 - 23APR2002	17	0.027	0.028	0.004	0.004	0.019	0.036	0.101	0	0	0.00%
S140	NH4	mg N/L	20	22MAY2001 - 23APR2002	16	0.058	0.047	0.009	0.011	0.060	0.093	0.132	0	0	0.00%
S140	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 23APR2002	16	0.00079	0.00046	0.00014	0.00029	0.00077	0.00119	0.00149	0	0	0.00%
S140	NNH4	mg N/L	92	22MAY2001 - 23APR2002	16	0.085	0.069	0.009	0.022	0.069	0.143	0.195	0	0	0.00%
S140	ORGN	mg N/L	79	22MAY2001 - 23APR2002	16	1.154	0.176	0.852	1.027	1.146	1.273	1.466	0	0	0.00%
S140	TKN	mg N/L	21	22MAY2001 - 23APR2002	17	1.210	0.160	0.984	1.110	1.208	1.288	1.551	0	0	0.00%
S140	OPO4	mg P/L	23	22MAY2001 - 23APR2002	16	0.024	0.025	0.004	0.007	0.017	0.028	0.096	0	0	0.00%
S140	TP	mg P/L	25	22MAY2001 - 23APR2002	16	0.046	0.030	0.018	0.031	0.037	0.051	0.137	0	0	0.00%
S140	DIS. CA	mg/L	30	22MAY2001 - 11FEB2002	4	76.428	12.260	65.767	69.114	72.923	83.743	94.100	0	0	0.00%
S140	DIS. K	mg/L	29	22MAY2001 - 11FEB2002	4	3.279	0.658	2.449	2.780	3.345	3.779	3.979	0	0	0.00%
S140	DIS. MG	mg/L	31	22MAY2001 - 11FEB2002	4	5.939	1.582	4.126	4.615	6.142	7.263	7.346	0	0	0.00%
S140	DIS. NA	mg/L	28	22MAY2001 - 11FEB2002	4	28.013	9.816	17.624	20.157	27.365	35.870	39.700	0	0	0.00%
S140	TOT. CL	mg/L	32	22MAY2001 - 23APR2002	17	36.111	11.227	22.090	27.340	35.430	42.400	59.300	0	0	0.00%
S140	TOT. SO4	mg/L	33	05JUL2001 - 23APR2002	6	9.178	5.666	4.850	5.960	7.200	9.610	20.250	0	0	0.00%
S140	DIS. SILICA	mg/L	27	05JUL2001 - 23APR2002	6	6.020	1.212	4.442	5.193	5.997	6.492	7.999	0	0	0.00%
S140	TOT. FE	mg/L	177	22MAY2001 - 11FEB2002	4	0.167	0.075	0.079	0.117	0.164	0.217	0.261	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S140	TOT. CD	ug/L	103	20AUG2001 - 11FEB2002	2	0.165	0.191	0.030	0.030	0.165	0.300	0.300	0	0	0.00%
S140	TOT. CU	ug/L	104	20AUG2001 - 20AUG2001	1	1.200		1.200	1.200	1.200	1.200	1.200	0	0	0.00%
S140	TOT. MTHY HG	ng/L	203	28AUG2001 - 11FEB2002	3	0.131	0.130	0.039	0.039	0.074	0.280	0.280	0	0	0.00%
S140	TOT. ZN	ug/L	105	20AUG2001 - 20AUG2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%
S140Auto	TN	mg N/L	80	22JAN2002 - 19FEB2002	2	1.110	0.127	1.020	1.020	1.110	1.200	1.200	0	0	0.00%
S140Auto	TKN	mg N/L	21	22JAN2002 - 19FEB2002	2	1.110	0.127	1.020	1.020	1.110	1.200	1.200	0	0	0.00%
S140Auto	TP	mg P/L	25	01MAY2001 - 30APR2002	53	0.055	0.104	0.019	0.029	0.033	0.051	0.783	0	0	0.00%
S175	DO	mg/L	8	09MAY2001 - 24APR2002	25	4.858	0.919	2.340	4.480	4.930	5.410	6.330	0	13	52.00%
S175	FLDCOND	UMHOS/CM	9	09MAY2001 - 24APR2002	26	508.538	40.113	428.000	485.000	519.000	530.000	576.000	0	0	0.00%
S175	PH	UNITS	10	09MAY2001 - 24APR2002	26	7.439	0.172	7.080	7.300	7.420	7.550	7.850	0	0	0.00%
S175	TURBIDITY	NTU	12	23MAY2001 - 24APR2002	12	1.907	2.280	0.687	0.958	1.240	1.730	9.000	0	0	0.00%
S175	TSS	mg/L	16	23MAY2001 - 24APR2002	12	1.183	0.413	1.000	1.000	1.000	1.200	2.400	0	0	0.00%
S175	COLOR	UNITS	13	23MAY2001 - 24APR2002	12	18.167	5.408	13.000	14.500	15.500	21.500	29.000	0	0	0.00%
S175	HARDNESS	mg/L CaCO3	35	23MAY2001 - 24APR2002	13	211.985	10.223	196.800	204.800	211.400	217.500	229.100	0	0	0.00%
S175	TEMP	CENT	7	09MAY2001 - 24APR2002	26	25.748	1.903	22.380	24.340	26.080	27.370	29.170	0	0	0.00%
S175	ALKALINITY	mg/L	67	23MAY2001 - 24APR2002	11	204.150	8.664	190.100	194.700	207.200	210.330	216.500	0	0	0.00%
S175	SALINITY	UNITS	98	05DEC2001 - 02JAN2002	2	0.275	0.007	0.270	0.270	0.275	0.280	0.280	0	0	0.00%
S175	TN	mg N/L	80	23MAY2001 - 24APR2002	12	0.750	0.139	0.548	0.623	0.747	0.882	0.954	0	0	0.00%
S175	NOX	mg N/L	18;180	23MAY2001 - 24APR2002	12	0.077	0.039	0.012	0.043	0.076	0.107	0.151	0	0	0.00%
S175	NO2	mg N/L	19	23MAY2001 - 24APR2002	12	0.004	0.001	0.004	0.004	0.004	0.004	0.006	0	0	0.00%
S175	NO3	mg N/L	78	23MAY2001 - 24APR2002	12	0.076	0.038	0.012	0.043	0.076	0.104	0.145	0	0	0.00%
S175	NH4	mg N/L	20	23MAY2001 - 24APR2002	12	0.126	0.069	0.036	0.064	0.117	0.179	0.238	0	0	0.00%
S175	UN-IONIZED AMMONIA	mg/L	NONE	09MAY2001 - 24APR2002	12	0.0024	0.0011	0.0006	0.0013	0.0026	0.0034	0.0039	0	0	0.00%
S175	NNH4	mg N/L	92	23MAY2001 - 24APR2002	12	0.203	0.082	0.073	0.138	0.209	0.257	0.343	0	0	0.00%
S175	ORGN	mg N/L	79	23MAY2001 - 24APR2002	12	0.547	0.108	0.385	0.479	0.528	0.590	0.746	0	0	0.00%
S175	TKN	mg N/L	21	23MAY2001 - 24APR2002	12	0.672	0.132	0.510	0.552	0.641	0.815	0.880	0	0	0.00%
S175	OPO4	mg P/L	23	23MAY2001 - 24APR2002	12	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S175	ALKALINE PHOS	nM/minml	168	23MAY2001 - 24APR2002	12	6.492	5.585	2.600	3.500	4.300	7.150	22.200	0	0	0.00%
S175	TP	mg P/L	25	09MAY2001 - 24APR2002	26	0.007	0.004	0.004	0.005	0.006	0.008	0.023	0	0	0.00%
S175	DIS. CA	mg/L	30	23MAY2001 - 24APR2002	14	76.248	3.237	72.309	73.097	75.961	77.373	82.400	0	0	0.00%
S175	DIS. K	mg/L	29	23MAY2001 - 24APR2002	12	1.931	0.626	0.736	1.843	2.052	2.138	3.021	0	0	0.00%
S175	DIS. MG	mg/L	31	23MAY2001 - 24APR2002	14	5.548	1.191	3.471	4.929	5.807	6.106	7.813	0	0	0.00%
S175	DIS. NA	mg/L	28	23MAY2001 - 24APR2002	13	22.039	3.972	14.655	20.990	22.700	23.939	29.003	0	0	0.00%
S175	TOT. CL	mg/L	32	23MAY2001 - 24APR2002	12	34.858	5.989	24.150	32.795	35.405	37.830	45.370	0	0	0.00%
S175	TOT. SO4	mg/L	33	31JUL2001 - 24APR2002	4	2.975	2.043	0.599	1.295	3.140	4.655	5.020	0	0	0.00%
S175	DIS. SILICA	mg/L	27	31JUL2001 - 24APR2002	4	5.504	0.425	4.976	5.178	5.538	5.829	5.962	0	0	0.00%
S175	TOT. FE	mg/L	177	31JUL2001 - 24APR2002	5	0.124	0.047	0.064	0.109	0.119	0.134	0.194	0	0	0.00%
S175	TOT. CD	ug/L	103	25JUL2001 - 14JAN2002	2	0.228	0.103	0.155	0.155	0.228	0.300	0.300	0	0	0.00%
S175	TOT. CU	ug/L	104	25JUL2001 - 14JAN2002	2	1.132	0.096	1.064	1.064	1.132	1.200	1.200	0	0	0.00%
S175	TOT. MTHY HG	ng/L	203	25JUL2001 - 15APR2002	4	0.028	0.008	0.022	0.022	0.025	0.033	0.038	0	0	0.00%
S175	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.314	2.384	0.628	0.628	2.314	4.000	4.000	0	0	0.00%
S175	CAROTENOID	mg/m3	63	23MAY2001 - 24APR2002	12	1.442	0.729	1.000	1.000	1.000	1.900	3.000	0	0	0.00%
S175	CHLA	mg/m3	61	23MAY2001 - 24APR2002	12	2.525	2.108	1.000	1.150	1.800	3.350	8.500	0	0	0.00%
S175	CHLA2	mg/m3	112	23MAY2001 - 24APR2002	12	2.458	1.991	1.000	1.200	1.850	2.900	8.100	0	0	0.00%
S175	CHLB	mg/m3	62	23MAY2001 - 24APR2002	12	1.067	0.231	1.000	1.000	1.000	1.000	1.800	0	0	0.00%
S175	CHLC	mg/m3	113	23MAY2001 - 24APR2002	12	1.167	0.577	1.000	1.000	1.000	1.000	3.000	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S175	PHENOPHYTIN A	mg/m3	64	23MAY2001 - 24APR2002	12	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S190	DO	mg/L	8	31MAY2001 - 29APR2002	16	6.013	1.367	3.330	5.045	6.395	6.895	8.640	0	4	25.00%
S190	FLDCOND.	UMHOS/CM	9	31MAY2001 - 29APR2002	16	521.244	123.171	303.000	462.500	568.000	618.000	654.000	0	0	0.00%
S190	PH	UNITS	10	31MAY2001 - 29APR2002	16	7.548	0.323	7.020	7.330	7.540	7.765	8.030	0	0	0.00%
S190	TURBIDITY	NTU	12	31MAY2001 - 29APR2002	15	2.367	1.428	1.260	1.440	2.000	2.550	6.000	0	0	0.00%
S190	TSS	mg/L	16	31MAY2001 - 29APR2002	15	2.787	1.711	1.200	1.400	2.400	3.000	7.600	0	0	0.00%
S190	COLOR	UNITS	13	31MAY2001 - 29APR2002	15	79.800	34.374	38.000	53.000	75.000	108.000	153.000	0	0	0.00%
S190	HARDNESS	mg/L CaCO3	35	24JUL2001 - 29APR2002	4	209.025	59.128	123.100	171.050	229.100	247.000	254.800	0	0	0.00%
S190	TEMP	CENT	7	31MAY2001 - 29APR2002	16	26.074	3.775	20.230	22.255	27.520	28.840	30.810	0	0	0.00%
S190	ALKALINITY	mg/L	67	31MAY2001 - 29APR2002	15	206.199	50.622	117.100	183.000	224.600	246.850	264.080	0	0	0.00%
S190	TN	mg N/L	80	31MAY2001 - 29APR2002	15	1.087	0.095	0.970	0.990	1.068	1.163	1.294	0	0	0.00%
S190	NOX	mg N/L	18;180	31MAY2001 - 29APR2002	15	0.017	0.025	0.004	0.004	0.005	0.018	0.095	0	0	0.00%
S190	NO2	mg N/L	19	31MAY2001 - 29APR2002	15	0.005	0.003	0.004	0.004	0.004	0.004	0.015	0	0	0.00%
S190	NO3	mg N/L	78	31MAY2001 - 29APR2002	15	0.015	0.021	0.004	0.004	0.005	0.018	0.080	0	0	0.00%
S190	NH4	mg N/L	20	31MAY2001 - 29APR2002	15	0.027	0.025	0.009	0.009	0.014	0.050	0.079	0	0	0.00%
S190	UN-IONIZED AMMONIA	mg/L	NONE	31MAY2001 - 29APR2002	15	0.00059	0.00041	0.00015	0.00028	0.00049	0.00081	0.00149	0	0	0.00%
S190	NNH4	mg N/L	92	31MAY2001 - 29APR2002	15	0.042	0.040	0.005	0.009	0.017	0.089	0.109	0	0	0.00%
S190	ORGN	mg N/L	79	31MAY2001 - 29APR2002	15	1.048	0.106	0.870	0.976	1.013	1.108	1.263	0	0	0.00%
S190	TKN	mg N/L	21	31MAY2001 - 29APR2002	15	1.071	0.099	0.934	0.990	1.050	1.149	1.289	0	0	0.00%
S190	OPO4	mg P/L	23	31MAY2001 - 29APR2002	15	0.032	0.041	0.004	0.004	0.007	0.046	0.143	0	0	0.00%
S190	TP	mg P/L	25	31MAY2001 - 29APR2002	16	0.060	0.045	0.018	0.030	0.041	0.086	0.186	0	0	0.00%
S190	DIS. CA	mg/L	30	24JUL2001 - 29APR2002	6	82.636	21.083	43.205	77.970	87.919	96.800	102.000	0	0	0.00%
S190	DIS. K	mg/L	29	24JUL2001 - 29APR2002	5	1.896	0.190	1.724	1.760	1.810	2.018	2.168	0	0	0.00%
S190	DIS. MG	mg/L	31	24JUL2001 - 29APR2002	6	6.258	1.375	3.688	5.909	6.670	7.140	7.470	0	0	0.00%
S190	DIS. NA	mg/L	28	24JUL2001 - 29APR2002	5	24.677	8.028	10.590	25.974	27.623	29.100	30.100	0	0	0.00%
S190	TOT. CL	mg/L	32	31MAY2001 - 29APR2002	15	32.735	9.739	16.370	23.780	32.660	41.280	45.040	0	0	0.00%
S190	TOT. SO4	mg/L	33	24JUL2001 - 29APR2002	5	8.582	1.900	6.060	7.540	8.530	9.910	10.870	0	0	0.00%
S190	DIS. SILICA	mg/L	27	24JUL2001 - 29APR2002	5	6.812	2.635	3.694	5.050	6.359	8.975	9.984	0	0	0.00%
S190	TOT. FE	mg/L	177	24JUL2001 - 29APR2002	4	0.172	0.061	0.087	0.128	0.192	0.217	0.218	0	0	0.00%
S190	TOT. CD	ug/L	103	21AUG2001 - 11FEB2002	2	0.165	0.191	0.030	0.030	0.165	0.300	0.300	0	0	0.00%
S190	TOT. CU	ug/L	104	21AUG2001 - 21AUG2001	1	1.902		1.902	1.902	1.902	1.902	1.902	0	0	0.00%
S190	TOT. ZN	ug/L	105	21AUG2001 - 21AUG2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%
S190Auto	TP	mg P/L	25	01MAY2001 - 29APR2002	53	0.051	0.025	0.023	0.033	0.042	0.060	0.128	0	0	0.00%
S332	DO	mg/L	8	09MAY2001 - 24APR2002	25	4.808	0.673	3.520	4.320	4.790	5.370	5.820	0	16	64.00%
S332	FLDCOND.	UMHOS/CM	9	09MAY2001 - 24APR2002	26	509.038	41.586	428.000	487.000	517.000	531.000	576.000	0	0	0.00%
S332	PH	UNITS	10	09MAY2001 - 24APR2002	26	7.422	0.158	7.050	7.300	7.435	7.530	7.680	0	0	0.00%
S332	TURBIDITY	NTU	12	23MAY2001 - 10APR2002	12	1.660	0.823	0.693	1.085	1.300	2.355	3.060	0	0	0.00%
S332	TSS	mg/L	16	23MAY2001 - 10APR2002	12	1.267	0.623	1.000	1.000	1.000	1.200	3.200	0	0	0.00%
S332	COLOR	UNITS	13	23MAY2001 - 10APR2002	12	19.500	6.260	11.000	15.000	18.500	23.500	32.000	0	0	0.00%
S332	HARDNESS	mg/L CaCO3	35	23MAY2001 - 10APR2002	13	210.792	12.118	193.800	200.600	209.200	215.400	232.500	0	0	0.00%
S332	TEMP	CENT	7	09MAY2001 - 24APR2002	26	25.882	2.025	22.710	24.340	25.830	26.950	29.450	0	0	0.00%
S332	ALKALINITY	mg/L	67	23MAY2001 - 10APR2002	11	201.046	10.407	185.800	191.400	204.300	208.010	217.800	0	0	0.00%
S332	SALINITY	UNITS	98	05DEC2001 - 02JAN2002	2	0.275	0.007	0.270	0.270	0.275	0.280	0.280	0	0	0.00%
S332	TN	mg N/L	80	23MAY2001 - 10APR2002	12	0.741	0.153	0.500	0.638	0.765	0.832	1.009	0	0	0.00%
S332	NOX	mg N/L	18;180	23MAY2001 - 10APR2002	12	0.078	0.039	0.023	0.051	0.077	0.103	0.154	0	0	0.00%
S332	NO2	mg N/L	19	23MAY2001 - 10APR2002	12	0.004	0.001	0.004	0.004	0.004	0.004	0.007	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S332	NO3	mg N/L	78	23MAY2001 - 10APR2002	12	0.076	0.036	0.023	0.051	0.077	0.099	0.147	0	0	0.00%
S332	NH4	mg N/L	20	23MAY2001 - 10APR2002	12	0.139	0.077	0.042	0.074	0.124	0.198	0.271	0	0	0.00%
S332	UN-IONIZED AMMONIA	mg/L	NONE	09MAY2001 - 24APR2002	12	0.0022	0.0009	0.0008	0.0014	0.0024	0.0030	0.0035	0	0	0.00%
S332	NNH4	mg N/L	92	23MAY2001 - 10APR2002	12	0.217	0.092	0.066	0.159	0.230	0.295	0.346	0	0	0.00%
S332	ORGN	mg N/L	79	23MAY2001 - 10APR2002	12	0.554	0.103	0.424	0.500	0.533	0.594	0.826	0	0	0.00%
S332	TKN	mg N/L	21	23MAY2001 - 10APR2002	12	0.678	0.126	0.500	0.598	0.672	0.772	0.930	0	0	0.00%
S332	OPO4	mg P/L	23	23MAY2001 - 10APR2002	12	0.004	0.000	0.004	0.004	0.004	0.004	0.005	0	0	0.00%
S332	ALKALINE PHOS	nM/minml	168	23MAY2001 - 10APR2002	11	7.755	5.081	2.600	3.000	6.700	12.700	17.500	0	0	0.00%
S332	TP	mg P/L	25	09MAY2001 - 24APR2002	26	0.006	0.002	0.004	0.005	0.006	0.008	0.010	0	0	0.00%
S332	DIS. CA	mg/L	30	23MAY2001 - 10APR2002	14	75.610	3.944	68.126	73.812	74.799	78.658	82.562	0	0	0.00%
S332	DIS. K	mg/L	29	23MAY2001 - 10APR2002	13	1.958	0.635	0.728	1.879	2.020	2.150	2.961	0	0	0.00%
S332	DIS. MG	mg/L	31	23MAY2001 - 10APR2002	14	5.662	1.275	3.455	4.850	5.939	6.670	7.450	0	0	0.00%
S332	DIS. NA	mg/L	28	23MAY2001 - 10APR2002	13	22.868	4.778	14.502	20.354	23.694	25.467	31.900	0	0	0.00%
S332	TOT. CL	mg/L	32	23MAY2001 - 10APR2002	12	35.343	5.722	24.000	32.860	37.325	38.765	42.520	0	0	0.00%
S332	TOT. SO4	mg/L	33	31JUL2001 - 10APR2002	4	3.693	1.497	2.150	2.415	3.740	4.970	5.140	0	0	0.00%
S332	DIS. SILICA	mg/L	27	31JUL2001 - 10APR2002	4	5.657	0.596	4.935	5.195	5.688	6.118	6.316	0	0	0.00%
S332	TOT. FE	mg/L	177	31JUL2001 - 10APR2002	4	0.184	0.056	0.106	0.143	0.201	0.225	0.228	0	0	0.00%
S332	TOT. CD	ug/L	103	25JUL2001 - 14JAN2002	2	0.181	0.168	0.062	0.062	0.181	0.300	0.300	0	0	0.00%
S332	TOT. CU	ug/L	104	25JUL2001 - 14JAN2002	2	1.218	0.025	1.200	1.200	1.218	1.235	1.235	0	0	0.00%
S332	TOT. MTHY HG	ng/L	203	25JUL2001 - 15APR2002	4	0.040	0.029	0.022	0.022	0.027	0.058	0.083	0	0	0.00%
S332	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.146	2.622	0.292	0.292	2.146	4.000	4.000	0	0	0.00%
S332	CAROTENOID	mg/m3	63	23MAY2001 - 10APR2002	12	1.275	0.533	1.000	1.000	1.000	1.200	2.400	0	0	0.00%
S332	CHLA	mg/m3	61	23MAY2001 - 10APR2002	12	2.433	2.699	1.000	1.000	1.450	2.550	10.400	0	0	0.00%
S332	CHLA2	mg/m3	112	23MAY2001 - 10APR2002	12	2.258	2.327	1.000	1.000	1.500	2.100	9.200	0	0	0.00%
S332	CHLB	mg/m3	62	23MAY2001 - 10APR2002	12	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S332	CHLC	mg/m3	113	23MAY2001 - 10APR2002	12	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S332	PHOEOPHYTIN A	mg/m3	64	23MAY2001 - 10APR2002	12	1.058	0.151	1.000	1.000	1.000	1.000	1.500	0	0	0.00%
S38B	DO	mg/L	8	23JUL2001 - 29APR2002	4	4.133	1.149	2.850	3.170	4.215	5.095	5.250	0	3	75.00%
S38B	FLDCOND.	UMHOS/CM	9	23JUL2001 - 29APR2002	4	815.0	261.8	552.0	591.5	816.5	1038.5	1075.0	0	0	0.00%
S38B	PH	UNITS	10	23JUL2001 - 29APR2002	4	7.605	0.137	7.420	7.515	7.625	7.695	7.750	0	0	0.00%
S38B	TURBIDITY	NTU	12	23JUL2001 - 29APR2002	4	0.777	0.325	0.505	0.558	0.682	0.997	1.240	0	0	0.00%
S38B	TSS	mg/L	16	23JUL2001 - 29APR2002	4	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S38B	COLOR	UNITS	13	23JUL2001 - 29APR2002	4	73.000	28.202	39.000	51.000	74.500	95.000	104.000	0	0	0.00%
S38B	HARDNESS	mg/L CaCO3	35	23JUL2001 - 29APR2002	4	197.050	36.160	165.500	175.150	186.800	218.950	249.100	0	0	0.00%
S38B	TEMP	CENT	7	23JUL2001 - 29APR2002	4	24.133	2.702	21.610	21.880	23.840	26.385	27.240	0	0	0.00%
S38B	ALKALINITY	mg/L	67	23JUL2001 - 29APR2002	4	205.875	53.909	160.900	161.500	195.920	250.250	270.760	0	0	0.00%
S38B	TN	mg N/L	80	23JUL2001 - 29APR2002	4	1.368	0.525	0.699	0.959	1.447	1.777	1.879	0	0	0.00%
S38B	NOX	mg N/L	18:180	23JUL2001 - 29APR2002	4	0.007	0.002	0.005	0.006	0.007	0.008	0.009	0	0	0.00%
S38B	NO2	mg N/L	19	23JUL2001 - 29APR2002	4	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S38B	NO3	mg N/L	78	23JUL2001 - 29APR2002	4	0.007	0.002	0.005	0.006	0.007	0.008	0.009	0	0	0.00%
S38B	NH4	mg N/L	20	23JUL2001 - 29APR2002	4	0.028	0.011	0.017	0.019	0.027	0.037	0.041	0	0	0.00%
S38B	UN-IONIZED AMMONIA	mg/L	NONE	23JUL2001 - 29APR2002	4	0.00086	0.00061	0.00030	0.00033	0.00085	0.00138	0.00144	0	0	0.00%
S38B	NNH4	mg N/L	92	23JUL2001 - 29APR2002	4	0.035	0.013	0.023	0.024	0.033	0.045	0.050	0	0	0.00%
S38B	ORGN	mg N/L	79	23JUL2001 - 29APR2002	4	1.333	0.517	0.676	0.927	1.414	1.740	1.829	0	0	0.00%
S38B	TKN	mg N/L	21	23JUL2001 - 29APR2002	4	1.361	0.524	0.693	0.952	1.441	1.770	1.870	0	0	0.00%
S38B	OPO4	mg P/L	23	23JUL2001 - 29APR2002	4	0.007	0.003	0.004	0.005	0.008	0.010	0.010	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S38B	TP	mg P/L	25	23JUL2001 - 29APR2002	4	0.020	0.007	0.012	0.015	0.021	0.026	0.026	0	0	0.00%
S38B	DIS. CA	mg/L	30	23JUL2001 - 29APR2002	6	69.091	12.775	51.125	63.412	66.255	81.600	85.900	0	0	0.00%
S38B	DIS. K	mg/L	29	23JUL2001 - 29APR2002	4	5.840	1.891	3.316	4.395	6.307	7.286	7.432	0	0	0.00%
S38B	DIS. MG	mg/L	31	23JUL2001 - 29APR2002	6	12.247	9.205	4.627	5.753	7.676	22.049	25.700	0	0	0.00%
S38B	DIS. NA	mg/L	28	23JUL2001 - 29APR2002	4	66.589	37.742	26.360	34.500	68.997	98.678	102.000	0	0	0.00%
S38B	TOT. CL	mg/L	32	23JUL2001 - 29APR2002	4	97.128	48.104	42.980	56.600	103.595	137.655	138.340	0	0	0.00%
S38B	TOT. SO4	mg/L	33	23JUL2001 - 29APR2002	4	27.378	7.391	21.220	22.315	25.210	32.440	37.870	0	0	0.00%
S38B	DIS. SILICA	mg/L	27	23JUL2001 - 29APR2002	4	11.543	5.190	6.306	7.082	11.905	16.004	16.056	0	0	0.00%
S38B	TOT. FE	mg/L	177	23JUL2001 - 29APR2002	4	0.085	0.049	0.022	0.052	0.087	0.118	0.143	0	0	0.00%
S38B	TOT. CD	ug/L	103	29AUG2001 - 13FEB2002	2	0.165	0.191	0.030	0.030	0.165	0.300	0.300	0	0	0.00%
S38B	TOT. CU	ug/L	104	29AUG2001 - 29AUG2001	1	2.580		2.580	2.580	2.580	2.580	2.580	0	0	0.00%
S38B	TOT. MTHY HG	ng/L	203	29AUG2001 - 13FEB2002	3	0.144	0.060	0.081	0.081	0.150	0.200	0.200	0	0	0.00%
S38B	TOT. ZN	ug/L	105	29AUG2001 - 29AUG2001	1	4.000		4.000	4.000	4.000	4.000	4.000	0	0	0.00%
NSIDSP01	DO	mg/L	8	25JUL2001 - 06NOV2001	5	6.246	0.644	5.470	5.630	6.600	6.690	6.840	0	0	0.00%
NSIDSP01	FLDCOND.	UMHOS/CM	9	25JUL2001 - 06NOV2001	5	525.600	33.650	489.000	518.000	520.000	520.000	581.000	0	0	0.00%
NSIDSP01	PH	UNITS	10	25JUL2001 - 06NOV2001	5	7.666	0.161	7.470	7.580	7.620	7.800	7.860	0	0	0.00%
NSIDSP01	TURBIDITY	NTU	12	25JUL2001 - 06NOV2001	4	2.650	0.238	2.400	2.450	2.650	2.850	2.900	0	0	0.00%
NSIDSP01	TSS	mg/L	16	25JUL2001 - 06NOV2001	4	2.750	0.500	2.000	2.500	3.000	3.000	3.000	0	0	0.00%
NSIDSP01	HARDNESS	mg/L CaCO3	35	25JUL2001 - 06NOV2001	4	171.500	25.878	142.000	152.000	170.500	191.000	203.000	0	0	0.00%
NSIDSP01	TEMP	CENT	7	25JUL2001 - 06NOV2001	5	27.052	2.269	23.270	26.580	28.310	28.520	28.580	0	0	0.00%
NSIDSP01	ALKALINITY	mg/L	67	25JUL2001 - 06NOV2001	3	160.333	10.786	148.000	148.000	165.000	168.000	168.000	0	0	0.00%
NSIDSP01	TN	mg N/L	80	25JUL2001 - 06NOV2001	4	1.089	0.316	0.716	0.829	1.131	1.350	1.380	0	0	0.00%
NSIDSP01	NO2	mg N/L	19	25JUL2001 - 06NOV2001	3	0.050	0.000	0.050	0.050	0.050	0.050	0.050	0	0	0.00%
NSIDSP01	NH4	mg N/L	20	25JUL2001 - 06NOV2001	4	0.054	0.027	0.040	0.040	0.040	0.067	0.094	0	0	0.00%
NSIDSP01	UN-IONIZED AMMONIA	mg/L	NONE	25JUL2001 - 06NOV2001	4	0.0019	0.0005	0.0014	0.0016	0.0018	0.0023	0.0026	0	0	0.00%
NSIDSP01	ORGN	mg N/L	79	25JUL2001 - 06NOV2001	4	1.066	0.289	0.716	0.829	1.114	1.303	1.320	0	0	0.00%
NSIDSP01	TKN	mg N/L	21	25JUL2001 - 06NOV2001	4	1.089	0.316	0.716	0.829	1.131	1.350	1.380	0	0	0.00%
NSIDSP01	OPO4	mg P/L	23	25JUL2001 - 06NOV2001	4	0.012	0.009	0.004	0.007	0.010	0.018	0.025	0	0	0.00%
NSIDSP01	TP	mg P/L	25	25JUL2001 - 06NOV2001	10	0.026	0.004	0.021	0.022	0.025	0.029	0.034	0	0	0.00%
NSIDSP01	DIS. CA	mg/L	30	25JUL2001 - 06NOV2001	4	60.350	6.769	51.000	55.500	62.000	65.200	66.400	0	0	0.00%
NSIDSP01	DIS. MG	mg/L	31	25JUL2001 - 06NOV2001	4	5.055	2.684	3.040	3.345	4.105	6.765	8.970	0	0	0.00%
NSIDSP01	TOT. CL	mg/L	32	25JUL2001 - 06NOV2001	4	51.775	7.763	45.400	46.600	49.400	56.950	62.900	0	0	0.00%
NSIDSP01	TOT. CU	ug/L	104	25JUL2001 - 06NOV2001	4	10.000	0.000	10.000	10.000	10.000	10.000	10.000	0	0	0.00%
NSIDSP01	TOT. DIS. P	mg P/L	26	13SEP2001 - 13SEP2001	1	0.007		0.007	0.007	0.007	0.007	0.007	0	0	0.00%
G64	DO	mg/L	8	23JUL2001 - 29APR2002	4	2.860	0.617	2.220	2.400	2.780	3.320	3.660	0	4	100.00%
G64	FLDCOND.	UMHOS/CM	9	23JUL2001 - 29APR2002	4	844.8	143.0	683.0	734.0	840.5	955.5	1015.0	0	0	0.00%
G64	PH	UNITS	10	23JUL2001 - 29APR2002	4	7.610	0.188	7.370	7.465	7.635	7.755	7.800	0	0	0.00%
G64	TURBIDITY	NTU	12	23JUL2001 - 29APR2002	4	1.677	0.997	0.838	0.840	1.531	2.515	2.810	0	0	0.00%
G64	TSS	mg/L	16	23JUL2001 - 29APR2002	4	1.550	0.681	1.000	1.000	1.400	2.100	2.400	0	0	0.00%
G64	COLOR	UNITS	13	23JUL2001 - 29APR2002	4	76.250	10.468	64.000	68.000	76.500	84.500	88.000	0	0	0.00%
G64	HARDNESS	mg/L CaCO3	35	29APR2002 - 29APR2002	1	329.300		329.300	329.300	329.300	329.300	329.300	0	0	0.00%
G64	TEMP	CENT	7	23JUL2001 - 29APR2002	4	24.550	2.640	22.260	22.265	24.490	26.835	26.960	0	0	0.00%
G64	ALKALINITY	mg/L	67	23JUL2001 - 29APR2002	4	254.208	35.598	220.400	223.900	252.370	284.515	291.690	0	0	0.00%
G64	TN	mg N/L	80	23JUL2001 - 29APR2002	4	1.552	0.113	1.416	1.473	1.552	1.632	1.689	0	0	0.00%
G64	NOX	mg N/L	18;180	23JUL2001 - 29APR2002	4	0.040	0.029	0.024	0.024	0.027	0.057	0.084	0	0	0.00%
G64	NO2	mg N/L	19	23JUL2001 - 29APR2002	4	0.005	0.003	0.004	0.004	0.004	0.007	0.009	0	0	0.00%
G64	NO3	mg N/L	78	23JUL2001 - 29APR2002	4	0.036	0.026	0.020	0.022	0.025	0.050	0.075	0	0	0.00%
G64	NH4	mg N/L	20	23JUL2001 - 29APR2002	4	0.060	0.033	0.020	0.036	0.062	0.085	0.097	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY2002 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
G64	UN-IONIZED AMMONIA	mg/L	NONE	23JUL2001 - 29APR2002	4	0.0016	0.0009	0.0007	0.0008	0.0015	0.0024	0.0027	0	0	0.00%
G64	NNH4	mg N/L	92	23JUL2001 - 29APR2002	4	0.100	0.058	0.044	0.062	0.088	0.139	0.181	0	0	0.00%
G64	ORGN	mg N/L	79	23JUL2001 - 29APR2002	4	1.452	0.140	1.320	1.334	1.439	1.570	1.609	0	0	0.00%
G64	TKN	mg N/L	21	23JUL2001 - 29APR2002	4	1.512	0.119	1.392	1.419	1.498	1.605	1.660	0	0	0.00%
G64	OPO4	mg P/L	23	23JUL2001 - 29APR2002	4	0.007	0.001	0.005	0.006	0.007	0.008	0.008	0	0	0.00%
G64	TP	mg P/L	25	23JUL2001 - 29APR2002	4	0.024	0.003	0.021	0.022	0.024	0.026	0.026	0	0	0.00%
G64	DIS. CA	mg/L	30	23JAN2002 - 29APR2002	2	89.504	0.995	88.800	88.800	89.504	90.207	90.207	0	0	0.00%
G64	DIS. K	mg/L	29	23JUL2001 - 29APR2002	4	5.600	0.492	4.970	5.209	5.719	5.992	5.993	0	0	0.00%
G64	DIS. MG	mg/L	31	23JAN2002 - 29APR2002	2	24.846	0.631	24.400	24.400	24.846	25.292	25.292	0	0	0.00%
G64	DIS. NA	mg/L	28	23JUL2001 - 29APR2002	4	56.911	12.398	44.504	46.311	57.009	67.510	69.120	0	0	0.00%
G64	TOT. CL	mg/L	32	23JUL2001 - 29APR2002	4	89.538	20.945	70.220	71.750	87.910	107.325	112.110	0	0	0.00%
G64	TOT. SO4	mg/L	33	23JUL2001 - 29APR2002	4	23.000	6.353	17.790	18.200	21.315	27.800	31.580	0	0	0.00%
G64	DIS. SILICA	mg/L	27	23JUL2001 - 29APR2002	4	13.634	0.382	13.335	13.360	13.516	13.909	14.170	0	0	0.00%
S12D	DO	mg/L	8	07MAY2001 - 22APR2002	27	3.614	1.664	1.140	2.550	3.640	4.740	8.220	0	23	85.19%
S12D	FLDCOND.	UMHOS/CM	9	07MAY2001 - 22APR2002	27	445.3	134.5	285.0	309.0	431.0	549.0	659.0	0	0	0.00%
S12D	PH	UNITS	10	07MAY2001 - 22APR2002	27	7.364	0.233	7.110	7.210	7.290	7.490	8.070	0	0	0.00%
S12D	TURBIDITY	NTU	12	21MAY2001 - 22APR2002	22	1.393	1.102	0.378	0.605	0.970	2.300	4.720	0	0	0.00%
S12D	TSS	mg/L	16	21MAY2001 - 22APR2002	22	1.527	0.910	1.000	1.000	1.000	2.000	4.600	0	0	0.00%
S12D	COLOR	UNITS	13	21MAY2001 - 22APR2002	22	46.318	20.334	23.000	27.000	39.000	63.000	88.000	0	0	0.00%
S12D	HARDNESS	mg/L CaCO3	35	21MAY2001 - 22APR2002	20	167.730	38.872	113.200	129.700	181.950	197.200	233.800	0	0	0.00%
S12D	TEMP	CENT	7	07MAY2001 - 22APR2002	27	25.530	3.304	18.380	23.230	25.440	28.260	30.590	0	0	0.00%
S12D	ALKALINITY	mg/L	67	21MAY2001 - 22APR2002	22	157.595	34.143	110.700	126.750	160.050	185.000	236.200	0	0	0.00%
S12D	SALINITY	UNITS	98	03DEC2001 - 25MAR2002	3	0.210	0.066	0.150	0.150	0.200	0.280	0.280	0	0	0.00%
S12D	TOTAL DEPTH	METERS	99	28JAN2002 - 28JAN2002	1	0.160		0.160	0.160	0.160	0.160	0.160	0	0	0.00%
S12D	TN	mg N/L	80	21MAY2001 - 22APR2002	22	1.069	0.206	0.800	0.930	1.052	1.181	1.548	0	0	0.00%
S12D	NOX	mg N/L	18;180	21MAY2001 - 22APR2002	22	0.035	0.055	0.004	0.006	0.015	0.038	0.247	0	0	0.00%
S12D	NO2	mg N/L	19	21MAY2001 - 22APR2002	22	0.005	0.002	0.004	0.004	0.004	0.004	0.013	0	0	0.00%
S12D	NO3	mg N/L	78	21MAY2001 - 22APR2002	22	0.034	0.052	0.004	0.006	0.015	0.038	0.234	0	0	0.00%
S12D	NH4	mg N/L	20	21MAY2001 - 22APR2002	22	0.029	0.016	0.009	0.015	0.026	0.037	0.072	0	0	0.00%
S12D	UN-IONIZED AMMONIA	mg/L	NONE	07MAY2001 - 22APR2002	22	0.00045	0.00032	0.00008	0.00016	0.00038	0.00065	0.00138	0	0	0.00%
S12D	NNH4	mg N/L	92	21MAY2001 - 22APR2002	22	0.063	0.063	0.009	0.020	0.046	0.077	0.289	0	0	0.00%
S12D	ORGN	mg N/L	79	21MAY2001 - 22APR2002	22	1.006	0.172	0.785	0.905	0.993	1.088	1.507	0	0	0.00%
S12D	TKN	mg N/L	21	21MAY2001 - 22APR2002	22	1.034	0.178	0.800	0.930	1.034	1.119	1.507	0	0	0.00%
S12D	OPO4	mg P/L	23	21MAY2001 - 22APR2002	22	0.004	0.001	0.004	0.004	0.004	0.004	0.008	0	0	0.00%
S12D	ALKALINE PHOS	nM/minml	168	21MAY2001 - 22APR2002	21	8.500	8.822	2.400	4.100	6.300	8.300	43.300	0	0	0.00%
S12D	TP	mg P/L	25	07MAY2001 - 22APR2002	26	0.014	0.008	0.005	0.008	0.011	0.020	0.036	0	0	0.00%
S12D	DIS. CA	mg/L	30	21MAY2001 - 22APR2002	21	54.107	8.969	38.729	46.995	55.936	60.412	74.646	0	0	0.00%
S12D	DIS. K	mg/L	29	21MAY2001 - 22APR2002	21	2.477	1.197	0.887	1.085	2.938	3.447	4.400	0	0	0.00%
S12D	DIS. MG	mg/L	31	21MAY2001 - 22APR2002	21	7.815	3.990	2.990	3.350	9.610	11.402	12.729	0	0	0.00%
S12D	DIS. NA	mg/L	28	21MAY2001 - 22APR2002	21	27.759	13.444	11.520	13.338	35.095	39.332	43.631	0	0	0.00%
S12D	TOT. CL	mg/L	32	21MAY2001 - 22APR2002	22	41.239	20.950	17.080	18.940	49.675	60.320	68.380	0	0	0.00%
S12D	TOT. SO4	mg/L	33	30JUL2001 - 08APR2002	7	6.759	8.182	0.350	0.370	1.840	12.070	21.530	0	0	0.00%
S12D	DIS. SILICA	mg/L	27	30JUL2001 - 08APR2002	7	8.136	2.590	5.108	5.743	7.687	10.592	11.894	0	0	0.00%
S12D	TOT. MTHY HG	ng/L	203	24JUL2001 - 15APR2002	4	0.137	0.050	0.092	0.094	0.138	0.180	0.180	0	0	0.00%
S12D	CAROTENOID	mg/m3	63	21MAY2001 - 22APR2002	23	1.870	2.314	1.000	1.000	1.000	1.500	11.600	0	0	0.00%
S12D	CHLA	mg/m3	61	21MAY2001 - 22APR2002	23	3.661	4.942	1.000	1.400	1.700	3.100	23.100	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S12D	CHLA2	mg/m3	112	21MAY2001 - 22APR2002	23	3.304	4.154	1.000	1.400	1.800	3.100	19.400	0	0	0.00%
S12D	CHLB	mg/m3	62	21MAY2001 - 22APR2002	23	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S12D	CHLC	mg/m3	113	21MAY2001 - 22APR2002	23	1.104	0.422	1.000	1.000	1.000	1.000	3.000	0	0	0.00%
S12D	PHEOPHYTIN A	mg/m3	64	21MAY2001 - 22APR2002	23	1.222	0.845	1.000	1.000	1.000	1.000	5.000	0	0	0.00%
S10E	DO	mg/L	8	22MAY2001 - 22APR2002	12	3.318	1.598	0.210	2.320	3.440	4.000	6.710	0	11	91.67%
S10E	FLDCOND	UMHOS/CM	9	22MAY2001 - 22APR2002	12	970.6	202.9	674.2	791.5	969.0	1150.5	1265.0	0	0	0.00%
S10E	PH	UNITS	10	22MAY2001 - 22APR2002	12	7.568	0.117	7.390	7.455	7.575	7.665	7.730	0	0	0.00%
S10E	TURBIDITY	NTU	12	22MAY2001 - 22APR2002	12	6.080	9.715	1.580	2.710	3.285	3.710	36.700	0	1	8.33%
S10E	TSS	mg/L	16	22MAY2001 - 22APR2002	12	6.333	10.541	2.000	2.700	3.000	4.000	39.600	0	0	0.00%
S10E	COLOR	UNITS	13	22MAY2001 - 22APR2002	12	120.000	26.728	89.000	95.000	115.500	147.000	157.000	0	0	0.00%
S10E	HARDNESS	mg/L CaCO3	35	31JUL2001 - 22APR2002	3	284.500	70.062	216.200	216.200	281.100	356.200	356.200	0	0	0.00%
S10E	TEMP	CENT	7	22MAY2001 - 22APR2002	12	25.925	3.559	18.110	23.455	26.600	29.130	30.050	0	0	0.00%
S10E	ALKALINITY	mg/L	67	22MAY2001 - 22APR2002	12	235.439	38.472	189.600	205.871	217.000	278.400	289.900	0	0	0.00%
S10E	TN	mg N/L	80	22MAY2001 - 22APR2002	12	2.230	0.501	1.502	1.737	2.375	2.622	2.981	0	0	0.00%
S10E	NOX	mg N/L	18;180	22MAY2001 - 22APR2002	12	0.031	0.026	0.004	0.005	0.027	0.055	0.072	0	0	0.00%
S10E	NO2	mg N/L	19	22MAY2001 - 22APR2002	12	0.006	0.003	0.004	0.004	0.004	0.008	0.013	0	0	0.00%
S10E	NO3	mg N/L	78	22MAY2001 - 22APR2002	12	0.027	0.022	0.004	0.004	0.022	0.048	0.064	0	0	0.00%
S10E	NH4	mg N/L	20	22MAY2001 - 22APR2002	12	0.033	0.045	0.010	0.015	0.017	0.029	0.172	0	0	0.00%
S10E	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 22APR2002	12	0.00089	0.00105	0.00023	0.00033	0.00050	0.00089	0.00396	0	0	0.00%
S10E	NNH4	mg N/L	92	22MAY2001 - 22APR2002	12	0.064	0.062	0.010	0.020	0.054	0.087	0.233	0	0	0.00%
S10E	ORGN	mg N/L	79	22MAY2001 - 22APR2002	12	2.167	0.474	1.477	1.683	2.325	2.569	2.748	0	0	0.00%
S10E	TKN	mg N/L	21	22MAY2001 - 22APR2002	12	2.200	0.495	1.490	1.704	2.347	2.601	2.920	0	0	0.00%
S10E	OPO4	mg P/L	23	22MAY2001 - 22APR2002	12	0.013	0.008	0.004	0.007	0.011	0.016	0.028	0	0	0.00%
S10E	TP	mg P/L	25	22MAY2001 - 22APR2002	12	0.043	0.022	0.024	0.029	0.037	0.049	0.103	0	0	0.00%
S10E	DIS. CA	mg/L	30	31JUL2001 - 22APR2002	4	74.021	15.036	58.647	63.874	71.490	84.169	94.458	0	0	0.00%
S10E	DIS. K	mg/L	29	31JUL2001 - 22APR2002	4	7.698	1.469	6.285	6.503	7.519	8.893	9.468	0	0	0.00%
S10E	DIS. MG	mg/L	31	31JUL2001 - 22APR2002	4	22.239	5.394	16.939	18.120	21.387	26.358	29.242	0	0	0.00%
S10E	DIS. NA	mg/L	28	31JUL2001 - 22APR2002	4	84.806	16.714	62.680	73.240	86.926	96.372	102.693	0	0	0.00%
S10E	TOT. CL	mg/L	32	22MAY2001 - 22APR2002	12	131.311	31.605	79.040	104.715	142.800	156.120	170.150	0	0	0.00%
S10E	TOT. SO4	mg/L	33	31JUL2001 - 22APR2002	4	48.345	29.263	15.830	24.045	49.450	72.645	78.650	0	0	0.00%
S10E	DIS. SILICA	mg/L	27	31JUL2001 - 22APR2002	4	16.392	7.134	8.630	10.685	16.100	22.099	24.738	0	0	0.00%
S10E	TOT. FE	mg/L	177	22OCT2001 - 22OCT2001	1	0.038		0.038	0.038	0.038	0.038	0.038	0	0	0.00%
S34	DO	mg/L	8	30MAY2001 - 29APR2002	14	4.092	1.734	0.800	3.030	4.505	5.460	6.250	0	8	57.14%
S34	FLDCOND	UMHOS/CM	9	30MAY2001 - 29APR2002	13	778.1	195.3	599.0	651.0	710.1	801.0	1218.0	0	0	0.00%
S34	PH	UNITS	10	30MAY2001 - 29APR2002	14	7.529	0.155	7.260	7.450	7.460	7.650	7.780	0	0	0.00%
S34	TURBIDITY	NTU	12	30MAY2001 - 29APR2002	14	1.808	1.195	0.448	0.924	1.390	2.650	4.170	0	0	0.00%
S34	TSS	mg/L	16	30MAY2001 - 29APR2002	14	2.043	1.132	1.000	1.000	1.800	3.200	4.200	0	0	0.00%
S34	COLOR	UNITS	13	30MAY2001 - 29APR2002	14	65.500	20.175	39.000	44.000	68.000	83.000	98.000	0	0	0.00%
S34	TEMP	CENT	7	30MAY2001 - 29APR2002	14	25.079	3.695	19.960	21.360	25.045	27.760	31.370	0	0	0.00%
S34	ALKALINITY	mg/L	67	30MAY2001 - 29APR2002	14	214.719	45.581	160.900	190.200	210.450	238.250	326.470	0	0	0.00%
S34	TN	mg N/L	80	30MAY2001 - 29APR2002	14	1.681	0.695	1.125	1.335	1.501	1.669	3.890	0	0	0.00%
S34	NOX	mg N/L	18;180	30MAY2001 - 29APR2002	14	0.139	0.408	0.004	0.005	0.012	0.027	1.540	0	0	0.00%
S34	NO2	mg N/L	19	30MAY2001 - 29APR2002	14	0.011	0.021	0.004	0.004	0.004	0.004	0.082	0	0	0.00%
S34	NO3	mg N/L	78	30MAY2001 - 29APR2002	14	0.131	0.386	0.004	0.004	0.010	0.027	1.458	0	0	0.00%
S34	NH4	mg N/L	20	30MAY2001 - 29APR2002	14	0.132	0.161	0.009	0.016	0.040	0.244	0.441	0	0	0.00%
S34	UN-IONIZED AMMONIA	mg/L	NONE	30MAY2001 - 29APR2002	14	0.0032	0.0040	0.0003	0.0005	0.0006	0.0080	0.0101	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S34	NNH4	mg N/L	92	30MAY2001 - 29APR2002	14	0.269	0.466	0.010	0.033	0.044	0.389	1.784	0	0	0.00%
S34	ORGN	mg N/L	79	30MAY2001 - 29APR2002	14	1.412	0.345	0.974	1.162	1.258	1.636	2.106	0	0	0.00%
S34	TKN	mg N/L	21	30MAY2001 - 29APR2002	14	1.543	0.329	1.125	1.330	1.485	1.660	2.350	0	0	0.00%
S34	OPO4	mg P/L	23	30MAY2001 - 29APR2002	14	0.006	0.006	0.004	0.004	0.004	0.005	0.028	0	0	0.00%
S34	TP	mg P/L	25	30MAY2001 - 29APR2002	13	0.018	0.008	0.008	0.014	0.016	0.019	0.042	0	0	0.00%
S34	DIS. K	mg/L	29	23JUL2001 - 29APR2002	4	4.287	2.850	0.100	2.555	5.320	6.020	6.409	0	0	0.00%
S34	DIS. NA	mg/L	28	23JUL2001 - 29APR2002	4	53.347	35.812	0.200	32.750	67.638	73.945	77.913	0	0	0.00%
S34	TOT. CL	mg/L	32	30MAY2001 - 29APR2002	14	92.130	26.822	61.220	66.980	87.130	115.280	149.480	0	0	0.00%
S34	TOT. SO4	mg/L	33	23JUL2001 - 29APR2002	4	18.105	15.841	5.810	8.205	12.695	28.005	41.220	0	0	0.00%
S34	DIS. SILICA	mg/L	27	23JUL2001 - 29APR2002	4	8.184	6.375	0.086	3.380	8.838	12.988	14.974	0	0	0.00%
S142	DO	mg/L	8	14MAY2001 - 29APR2002	15	2.886	1.137	0.730	2.300	2.830	3.580	5.460	0	14	93.33%
S142	FLDCOND.	UMHOS/CM	9	14MAY2001 - 29APR2002	14	814.6	156.7	558.0	694.0	792.5	894.0	1167.0	0	0	0.00%
S142	PH	UNITS	10	14MAY2001 - 29APR2002	15	7.395	0.133	7.130	7.240	7.430	7.490	7.570	0	0	0.00%
S142	TURBIDITY	NTU	12	14MAY2001 - 29APR2002	15	2.017	0.755	0.894	1.230	1.950	2.740	3.030	0	0	0.00%
S142	TSS	mg/L	16	14MAY2001 - 29APR2002	15	2.347	1.089	1.000	1.000	2.400	3.200	4.000	0	0	0.00%
S142	COLOR	UNITS	13	14MAY2001 - 29APR2002	15	73.667	22.186	43.000	48.000	75.000	95.000	106.000	0	0	0.00%
S142	HARDNESS	mg/L CaCO3	35	29APR2002 - 29APR2002	1	234.600		234.600	234.600	234.600	234.600	234.600	0	0	0.00%
S142	TEMP	CENT	7	14MAY2001 - 29APR2002	15	26.001	2.822	21.040	23.310	27.300	28.280	29.180	0	0	0.00%
S142	ALKALINITY	mg/L	67	14MAY2001 - 29APR2002	15	228.444	39.607	136.400	206.100	234.640	254.200	299.910	0	0	0.00%
S142	TN	mg N/L	80	14MAY2001 - 29APR2002	15	1.791	0.480	1.309	1.537	1.721	1.884	3.389	0	0	0.00%
S142	NOX	mg N/L	18;180	14MAY2001 - 29APR2002	15	0.128	0.351	0.004	0.009	0.022	0.066	1.389	0	0	0.00%
S142	NO2	mg N/L	19	14MAY2001 - 29APR2002	15	0.012	0.025	0.004	0.004	0.004	0.008	0.101	0	0	0.00%
S142	NO3	mg N/L	78	14MAY2001 - 29APR2002	15	0.118	0.326	0.004	0.009	0.020	0.056	1.288	0	0	0.00%
S142	NH4	mg N/L	20	14MAY2001 - 29APR2002	15	0.198	0.183	0.022	0.034	0.132	0.376	0.494	0	0	0.00%
S142	UN-IONIZED AMMONIA	mg/L	NONE	14MAY2001 - 29APR2002									0	0	0.00%
S142	NNH4	mg N/L	92	14MAY2001 - 29APR2002	15	0.0045	0.0048	0.0003	0.0005	0.0036	0.0104	0.0134	0	0	0.00%
S142	ORGN	mg N/L	79	14MAY2001 - 29APR2002	15	0.326	0.405	0.029	0.054	0.155	0.435	1.642	0	0	0.00%
S142	TKN	mg N/L	21	14MAY2001 - 29APR2002	15	1.465	0.180	1.156	1.294	1.436	1.588	1.817	0	0	0.00%
S142	OPO4	mg P/L	23	14MAY2001 - 29APR2002	15	1.663	0.212	1.190	1.530	1.693	1.818	2.000	0	0	0.00%
S142	TP	mg P/L	25	14MAY2001 - 29APR2002	15	0.007	0.005	0.004	0.004	0.005	0.009	0.022	0	0	0.00%
S142	DIS. CA	mg/L	30	23JAN2002 - 29APR2002	2	0.023	0.008	0.010	0.019	0.020	0.027	0.038	0	0	0.00%
S142	DIS. K	mg/L	29	09JUL2001 - 29APR2002	5	65.515	5.070	61.930	61.930	65.515	69.100	69.100	0	0	0.00%
S142	DIS. MG	mg/L	31	23JAN2002 - 29APR2002	2	5.282	0.810	3.960	5.055	5.728	5.738	5.930	0	0	0.00%
S142	DIS. NA	mg/L	28	09JUL2001 - 29APR2002	2	20.016	0.827	19.431	19.431	20.016	20.600	20.600	0	0	0.00%
S142	TOT. CL	mg/L	32	14MAY2001 - 29APR2002	5	68.794	8.218	57.151	66.418	67.467	74.300	78.636	0	0	0.00%
S142	TOT. SO4	mg/L	33	09JUL2001 - 29APR2002	15	96.329	17.183	53.950	85.600	94.950	108.190	124.150	0	0	0.00%
S142	DIS. SILICA	mg/L	27	09JUL2001 - 29APR2002	5	17.326	7.431	11.080	13.060	13.540	19.620	29.330	0	0	0.00%
S11A	DO	mg/L	8	30MAY2001 - 29APR2002	14	11.980	2.270	9.800	9.828	12.503	12.524	15.246	0	0	0.00%
S11A	FLDCOND.	UMHOS/CM	9	30MAY2001 - 29APR2002	13	5.743	1.763	2.830	4.070	6.235	6.770	8.600	0	4	28.57%
S11A	PH	UNITS	10	30MAY2001 - 29APR2002	15	786.8	214.2	487.0	632.0	795.0	832.0	1159.0	0	0	0.00%
S11A	TURBIDITY	NTU	12	30MAY2001 - 29APR2002	15	7.697	0.259	7.300	7.480	7.720	7.880	8.150	0	0	0.00%
S11A	TSS	mg/L	16	30MAY2001 - 29APR2002	15	1.301	0.885	0.588	0.683	1.120	1.400	4.060	0	0	0.00%
S11A	COLOR	UNITS	13	30MAY2001 - 29APR2002	15	1.593	0.888	1.000	1.000	1.000	2.200	3.900	0	0	0.00%
S11A	TEMP	CENT	7	30MAY2001 - 29APR2002	15	87.733	26.887	58.000	65.000	82.000	105.000	145.000	0	0	0.00%
S11A	ALKALINITY	mg/L	67	30MAY2001 - 29APR2002	15	25.930	3.310	19.360	23.570	27.520	28.140	32.000	0	0	0.00%
S11A	TN	mg N/L	80	30MAY2001 - 29APR2002	15	187.743	64.232	123.600	149.500	164.960	197.730	332.730	0	0	0.00%
S11A					15	1.711	0.754	1.052	1.313	1.460	1.789	4.129	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S11A	NOX	mg N/L	18;180	30MAY2001 - 29APR2002	15	0.151	0.496	0.004	0.004	0.005	0.060	1.939	0	0	0.00%
S11A	NO2	mg N/L	19	30MAY2001 - 29APR2002	15	0.011	0.022	0.004	0.004	0.004	0.007	0.088	0	0	0.00%
S11A	NO3	mg N/L	78	30MAY2001 - 29APR2002	15	0.143	0.474	0.004	0.004	0.004	0.049	1.851	0	0	0.00%
S11A	NH4	mg N/L	20	30MAY2001 - 29APR2002	15	0.032	0.039	0.009	0.013	0.022	0.027	0.164	0	0	0.00%
S11A	UN-IONIZED AMMONIA	mg/L	NONE	30MAY2001 - 29APR2002	15	0.0011	0.0010	0.0003	0.0004	0.0007	0.0014	0.0031	0	0	0.00%
S11A	NNH4	mg N/L	92	30MAY2001 - 29APR2002	15	0.180	0.534	0.005	0.018	0.027	0.070	2.103	0	0	0.00%
S11A	ORGN	mg N/L	79	30MAY2001 - 29APR2002	15	1.531	0.337	1.034	1.286	1.440	1.719	2.226	0	0	0.00%
S11A	TKN	mg N/L	21	30MAY2001 - 29APR2002	15	1.562	0.358	1.052	1.313	1.460	1.729	2.249	0	0	0.00%
S11A	OPO4	mg P/L	23	30MAY2001 - 29APR2002	15	0.011	0.013	0.004	0.004	0.004	0.018	0.047	0	0	0.00%
S11A	TP	mg P/L	25	30MAY2001 - 29APR2002	15	0.023	0.019	0.007	0.009	0.014	0.036	0.066	0	0	0.00%
S11A	DIS. K	mg/L	29	23JUL2001 - 29APR2002	4	6.448	1.254	5.000	5.406	6.570	7.489	7.650	0	0	0.00%
S11A	DIS. MG	mg/L	31	30OCT2001 - 30OCT2001	1	32.851		32.851	32.851	32.851	32.851	32.851	0	0	0.00%
S11A	DIS. NA	mg/L	28	23JUL2001 - 29APR2002	4	88.184	12.757	76.900	79.101	84.975	97.267	105.884	0	0	0.00%
S11A	TOT. CL	mg/L	32	30MAY2001 - 29APR2002	15	100.091	27.901	55.420	78.340	95.820	122.530	155.300	0	0	0.00%
S11A	TOT. SO4	mg/L	33	23JUL2001 - 29APR2002	4	27.618	17.870	14.680	15.300	21.310	39.935	53.170	0	0	0.00%
S11A	DIS. SILICA	mg/L	27	23JUL2001 - 29APR2002	4	12.192	3.924	6.603	9.458	13.595	14.926	14.975	0	0	0.00%
S144	DO	mg/L	8	30MAY2001 - 30MAY2001	1	7.310		7.310	7.310	7.310	7.310	7.310	0	0	0.00%
S144	FLDCOND.	UMHOS/CM	9	30MAY2001 - 30MAY2001	1	949.000		949.000	949.000	949.000	949.000	949.000	0	0	0.00%
S144	PH	UNITS	10	30MAY2001 - 30MAY2001	1	8.060		8.060	8.060	8.060	8.060	8.060	0	0	0.00%
S144	TURBIDITY	NTU	12	30MAY2001 - 30MAY2001	1	2.370		2.370	2.370	2.370	2.370	2.370	0	0	0.00%
S144	COLOR	UNITS	13	30MAY2001 - 30MAY2001	1	75.000		75.000	75.000	75.000	75.000	75.000	0	0	0.00%
S144	TEMP	CENT	7	30MAY2001 - 30MAY2001	1	29.160		29.160	29.160	29.160	29.160	29.160	0	0	0.00%
S144	ALKALINITY	mg/L	67	30MAY2001 - 30MAY2001	1	188.100		188.100	188.100	188.100	188.100	188.100	0	0	0.00%
S144	TN	mg N/L	80	30MAY2001 - 30MAY2001	1	2.592		2.592	2.592	2.592	2.592	2.592	0	0	0.00%
S144	NOX	mg N/L	18;180	30MAY2001 - 30MAY2001	1	0.051		0.051	0.051	0.051	0.051	0.051	0	0	0.00%
S144	NO2	mg N/L	19	30MAY2001 - 30MAY2001	1	0.007		0.007	0.007	0.007	0.007	0.007	0	0	0.00%
S144	NO3	mg N/L	78	30MAY2001 - 30MAY2001	1	0.044		0.044	0.044	0.044	0.044	0.044	0	0	0.00%
S144	NH4	mg N/L	20	30MAY2001 - 30MAY2001	1	0.144		0.144	0.144	0.144	0.144	0.144	0	0	0.00%
S144	UN-IONIZED AMMONIA	mg/L	NONE	30MAY2001 - 30MAY2001	1	0.0152		0.0152	0.0152	0.0152	0.0152	0.0152	0	0	0.00%
S144	NNH4	mg N/L	92	30MAY2001 - 30MAY2001	1	0.195		0.195	0.195	0.195	0.195	0.195	0	0	0.00%
S144	ORGN	mg N/L	79	30MAY2001 - 30MAY2001	1	2.397		2.397	2.397	2.397	2.397	2.397	0	0	0.00%
S144	TKN	mg N/L	21	30MAY2001 - 30MAY2001	1	2.541		2.541	2.541	2.541	2.541	2.541	0	0	0.00%
S144	OPO4	mg P/L	23	30MAY2001 - 30MAY2001	1	0.006		0.006	0.006	0.006	0.006	0.006	0	0	0.00%
S144	TP	mg P/L	25	30MAY2001 - 30MAY2001	1	0.034		0.034	0.034	0.034	0.034	0.034	0	0	0.00%
S144	TOT. CL	mg/L	32	30MAY2001 - 30MAY2001	1	150.680		150.680	150.680	150.680	150.680	150.680	0	0	0.00%
S145	DO	mg/L	8	30MAY2001 - 29APR2002	15	4.533	1.853	1.380	3.240	4.080	6.630	7.370	0	10	66.67%
S145	FLDCOND.	UMHOS/CM	9	30MAY2001 - 29APR2002	16	709.269	149.613	468.000	580.500	729.000	825.500	947.000	0	0	0.00%
S145	PH	UNITS	10	30MAY2001 - 29APR2002	17	7.239	0.945	3.650	7.310	7.410	7.600	7.830	0	1	5.88%
S145	TURBIDITY	NTU	12	30MAY2001 - 29APR2002	17	0.886	0.842	0.419	0.462	0.552	0.800	3.700	0	0	0.00%
S145	TSS	mg/L	16	30MAY2001 - 29APR2002	17	1.376	0.946	1.000	1.000	1.000	1.000	4.400	0	0	0.00%
S145	COLOR	UNITS	13	30MAY2001 - 29APR2002	17	84.059	16.471	69.000	74.000	77.000	93.000	118.000	0	0	0.00%
S145	TEMP	CENT	7	30MAY2001 - 29APR2002	17	25.060	4.046	16.860	22.980	25.980	27.960	31.240	0	0	0.00%
S145	ALKALINITY	mg/L	67	30MAY2001 - 29APR2002	17	163.282	27.369	126.300	141.400	166.200	179.410	227.550	0	0	0.00%
S145	TN	mg N/L	80	30MAY2001 - 29APR2002	17	1.507	0.358	1.142	1.275	1.499	1.594	2.582	0	0	0.00%
S145	NOX	mg N/L	18;180	30MAY2001 - 29APR2002	17	0.027	0.072	0.004	0.004	0.005	0.009	0.305	0	0	0.00%
S145	NO2	mg N/L	19	30MAY2001 - 29APR2002	17	0.006	0.005	0.004	0.004	0.004	0.004	0.025	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S145	NO3	mg N/L	78	30MAY2001 - 29APR2002	17	0.025	0.066	0.004	0.004	0.004	0.009	0.280	0	0	0.00%
S145	NH4	mg N/L	20	30MAY2001 - 29APR2002	17	0.026	0.040	0.009	0.012	0.016	0.020	0.177	0	0	0.00%
S145	UN-IONIZED AMMONIA	mg/L	NONE	30MAY2001 - 29APR2002	17	0.00083	0.00217	0.00000	0.00020	0.00027	0.00034	0.00922	0	0	0.00%
S145	NNH4	mg N/L	92	30MAY2001 - 29APR2002	17	0.051	0.087	0.004	0.015	0.021	0.035	0.326	0	0	0.00%
S145	ORGN	mg N/L	79	30MAY2001 - 29APR2002	17	1.457	0.301	1.130	1.253	1.454	1.578	2.361	0	0	0.00%
S145	TKN	mg N/L	21	30MAY2001 - 29APR2002	17	1.482	0.332	1.142	1.270	1.490	1.589	2.538	0	0	0.00%
S145	OPO4	mg P/L	23	30MAY2001 - 29APR2002	17	0.005	0.002	0.004	0.004	0.005	0.006	0.009	0	0	0.00%
S145	TP	mg P/L	25	30MAY2001 - 29APR2002	17	0.013	0.009	0.006	0.007	0.009	0.018	0.033	0	0	0.00%
S145	DIS. K	mg/L	29	23JUL2001 - 29APR2002	4	6.097	1.196	4.335	5.351	6.584	6.843	6.885	0	0	0.00%
S145	DIS. NA	mg/L	28	23JUL2001 - 29APR2002	4	70.356	20.958	39.325	57.996	78.607	82.717	84.886	0	0	0.00%
S145	TOT. CL	mg/L	32	30MAY2001 - 29APR2002	17	93.647	27.104	57.160	67.130	91.240	114.550	148.090	0	0	0.00%
S145	TOT. SO4	mg/L	33	23JUL2001 - 29APR2002	4	24.608	8.791	16.090	18.495	22.835	30.720	36.670	0	0	0.00%
S145	DIS. SILICA	mg/L	27	23JUL2001 - 29APR2002	4	11.190	2.582	7.508	9.564	11.870	12.817	13.512	0	0	0.00%
S146	DO	mg/L	8	30MAY2001 - 30MAY2001	1	5.030		5.030	5.030	5.030	5.030	5.030	0	0	0.00%
S146	FLDCOND	UMHOS/CM	9	30MAY2001 - 30MAY2001	1	831.000		831.000	831.000	831.000	831.000	831.000	0	0	0.00%
S146	PH	UNITS	10	30MAY2001 - 30MAY2001	1	7.830		7.830	7.830	7.830	7.830	7.830	0	0	0.00%
S146	TURBIDITY	NTU	12	30MAY2001 - 30MAY2001	1	3.720		3.720	3.720	3.720	3.720	3.720	0	0	0.00%
S146	COLOR	UNITS	13	30MAY2001 - 30MAY2001	1	75.000		75.000	75.000	75.000	75.000	75.000	0	0	0.00%
S146	TEMP	CENT	7	30MAY2001 - 30MAY2001	1	28.260		28.260	28.260	28.260	28.260	28.260	0	0	0.00%
S146	ALKALINITY	mg/L	67	30MAY2001 - 30MAY2001	1	178.800		178.800	178.800	178.800	178.800	178.800	0	0	0.00%
S146	TN	mg N/L	80	30MAY2001 - 30MAY2001	1	2.610		2.610	2.610	2.610	2.610	2.610	0	0	0.00%
S146	NOX	mg N/L	18;180	30MAY2001 - 30MAY2001	1	0.051		0.051	0.051	0.051	0.051	0.051	0	0	0.00%
S146	NO2	mg N/L	19	30MAY2001 - 30MAY2001	1	0.008		0.008	0.008	0.008	0.008	0.008	0	0	0.00%
S146	NO3	mg N/L	78	30MAY2001 - 30MAY2001	1	0.043		0.043	0.043	0.043	0.043	0.043	0	0	0.00%
S146	NH4	mg N/L	20	30MAY2001 - 30MAY2001	1	0.128		0.128	0.128	0.128	0.128	0.128	0	0	0.00%
S146	UN-IONIZED AMMONIA	mg/L	NONE	30MAY2001 - 30MAY2001	1	0.00748		0.00748	0.00748	0.00748	0.00748	0.00748	0	0	0.00%
S146	NNH4	mg N/L	92	30MAY2001 - 30MAY2001	1	0.179		0.179	0.179	0.179	0.179	0.179	0	0	0.00%
S146	ORGN	mg N/L	79	30MAY2001 - 30MAY2001	1	2.431		2.431	2.431	2.431	2.431	2.431	0	0	0.00%
S146	TKN	mg N/L	21	30MAY2001 - 30MAY2001	1	2.559		2.559	2.559	2.559	2.559	2.559	0	0	0.00%
S146	OPO4	mg P/L	23	30MAY2001 - 30MAY2001	1	0.005		0.005	0.005	0.005	0.005	0.005	0	0	0.00%
S146	TP	mg P/L	25	30MAY2001 - 30MAY2001	1	0.035		0.035	0.035	0.035	0.035	0.035	0	0	0.00%
S146	TOT. CL	mg/L	32	30MAY2001 - 30MAY2001	1	134.290		134.290	134.290	134.290	134.290	134.290	0	0	0.00%
S151	DO	mg/L	8	08MAY2001 - 09APR2002	17	3.115	1.488	1.420	1.930	2.620	4.140	6.840	0	16	94.12%
S151	FLDCOND	UMHOS/CM	9	08MAY2001 - 09APR2002	18	714.606	92.370	546.000	642.000	710.000	767.000	902.000	0	0	0.00%
S151	PH	UNITS	10	08MAY2001 - 09APR2002	18	7.341	0.254	6.520	7.240	7.360	7.480	7.700	0	0	0.00%
S151	TURBIDITY	NTU	12	08MAY2001 - 09APR2002	18	1.968	1.129	0.773	1.040	1.510	2.870	4.430	0	0	0.00%
S151	TSS	mg/L	16	08MAY2001 - 09APR2002	18	2.300	1.560	1.000	1.000	1.700	3.000	5.800	0	0	0.00%
S151	COLOR	UNITS	13	08MAY2001 - 09APR2002	18	66.389	16.404	43.000	51.000	63.500	78.000	92.000	0	0	0.00%
S151	TEMP	CENT	7	08MAY2001 - 09APR2002	18	26.127	3.187	21.270	23.290	25.495	28.520	30.980	0	0	0.00%
S151	ALKALINITY	mg/L	67	08MAY2001 - 09APR2002	18	213.008	38.636	155.100	180.800	206.170	241.160	305.000	0	0	0.00%
S151	TN	mg N/L	80	08MAY2001 - 09APR2002	18	1.381	0.181	1.136	1.244	1.348	1.490	1.762	0	0	0.00%
S151	NOX	mg N/L	18;180	08MAY2001 - 09APR2002	18	0.066	0.087	0.007	0.020	0.043	0.074	0.387	0	0	0.00%
S151	NO2	mg N/L	19	08MAY2001 - 09APR2002	18	0.006	0.004	0.004	0.004	0.004	0.007	0.018	0	0	0.00%
S151	NO3	mg N/L	78	08MAY2001 - 09APR2002	18	0.062	0.083	0.004	0.016	0.036	0.065	0.369	0	0	0.00%
S151	NH4	mg N/L	20	08MAY2001 - 09APR2002	18	0.090	0.061	0.022	0.047	0.071	0.097	0.231	0	0	0.00%
S151	UN-IONIZED AMMONIA	mg/L	NONE	08MAY2001 - 09APR2002	18	0.0021	0.0027	0.0001	0.0009	0.0013	0.0019	0.0120	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S151	NNH4	mg N/L	92	08MAY2001 - 09APR2002	18	0.157	0.115	0.054	0.082	0.104	0.276	0.463	0	0	0.00%
S151	ORGN	mg N/L	79	08MAY2001 - 09APR2002	18	1.224	0.149	1.000	1.109	1.227	1.284	1.614	0	0	0.00%
S151	TKN	mg N/L	21	08MAY2001 - 09APR2002	18	1.314	0.145	1.116	1.196	1.302	1.370	1.683	0	0	0.00%
S151	OPO4	mg P/L	23	08MAY2001 - 09APR2002	17	0.005	0.001	0.004	0.004	0.005	0.005	0.009	0	0	0.00%
S151	TP	mg P/L	25	08MAY2001 - 09APR2002	16	0.018	0.010	0.009	0.013	0.014	0.020	0.052	0	0	0.00%
S151	DIS. K	mg/L	29	31JUL2001 - 09APR2002	4	4.383	0.554	3.604	4.016	4.513	4.749	4.900	0	0	0.00%
S151	DIS. NA	mg/L	28	31JUL2001 - 09APR2002	4	50.906	9.728	39.715	44.524	50.254	57.288	63.400	0	0	0.00%
S151	TOT. CL	mg/L	32	08MAY2001 - 09APR2002	18	74.911	11.976	56.790	65.900	72.850	82.410	99.350	0	0	0.00%
S151	TOT. SO4	mg/L	33	31JUL2001 - 09APR2002	4	13.618	6.838	5.440	8.045	14.360	19.190	20.310	0	0	0.00%
S151	DIS. SILICA	mg/L	27	31JUL2001 - 09APR2002	4	10.071	3.071	7.060	7.997	9.460	12.146	14.305	0	0	0.00%
S151	TOT. MTHY HG	ng/L	203	26JUL2001 - 16APR2002	4	0.101	0.049	0.050	0.061	0.096	0.140	0.160	0	0	0.00%
S333	DO	mg/L	8	07MAY2001 - 22APR2002	27	3.561	1.507	1.040	2.680	3.610	4.260	7.550	0	24	88.89%
S333	FLDCOND.	UMHOS/CM	9	07MAY2001 - 22APR2002	27	539.815	90.381	322.000	489.000	542.000	622.000	678.000	0	0	0.00%
S333	PH	UNITS	10	07MAY2001 - 22APR2002	27	7.414	0.223	7.170	7.290	7.330	7.490	8.060	0	0	0.00%
S333	TURBIDITY	NTU	12	21MAY2001 - 22APR2002	18	1.935	2.196	0.402	0.685	1.005	1.950	7.960	0	0	0.00%
S333	TSS	mg/L	16	21MAY2001 - 22APR2002	18	3.167	5.272	1.000	1.000	1.100	1.800	22.000	0	0	0.00%
S333	COLOR	UNITS	13	21MAY2001 - 22APR2002	18	54.889	14.800	28.000	45.000	55.000	61.000	89.000	0	0	0.00%
S333	HARDNESS	mg/L CaCO3	35	21MAY2001 - 22APR2002	18	193.428	27.855	132.200	174.900	196.650	206.800	250.400	0	0	0.00%
S333	TEMP	CENT	7	07MAY2001 - 22APR2002	27	25.316	3.540	17.560	23.060	24.830	28.710	30.540	0	0	0.00%
S333	ALKALINITY	mg/L	67	21MAY2001 - 22APR2002	18	176.222	29.864	128.120	158.080	176.200	187.130	242.400	0	0	0.00%
S333	SALINITY	UNITS	98	03DEC2001 - 25MAR2002	3	0.223	0.049	0.190	0.190	0.200	0.280	0.280	0	0	0.00%
S333	TOTAL DEPTH	METERS	99	28JAN2002 - 28JAN2002	1	0.320		0.320	0.320	0.320	0.320	0.320	0	0	0.00%
S333	TN	mg N/L	80	21MAY2001 - 22APR2002	18	1.192	0.162	0.985	1.076	1.165	1.275	1.561	0	0	0.00%
S333	NOX	mg N/L	18,180	21MAY2001 - 22APR2002	17	0.052	0.058	0.004	0.020	0.030	0.071	0.241	0	0	0.00%
S333	NO2	mg N/L	19	21MAY2001 - 22APR2002	18	0.005	0.002	0.004	0.004	0.004	0.005	0.012	0	0	0.00%
S333	NO3	mg N/L	78	21MAY2001 - 22APR2002	17	0.050	0.055	0.004	0.020	0.030	0.067	0.229	0	0	0.00%
S333	NH4	mg N/L	20	21MAY2001 - 22APR2002	18	0.034	0.017	0.009	0.023	0.034	0.042	0.078	0	0	0.00%
S333	UN-IONIZED AMMONIA	mg/L	NONE	07MAY2001 - 22APR2002	18	0.00052	0.00031	0.00016	0.00041	0.00047	0.00065	0.00152	0	0	0.00%
S333	NNH4	mg N/L	92	21MAY2001 - 22APR2002	17	0.086	0.061	0.004	0.052	0.076	0.103	0.276	0	0	0.00%
S333	ORGN	mg N/L	79	21MAY2001 - 22APR2002	18	1.109	0.154	0.947	0.984	1.080	1.187	1.520	0	0	0.00%
S333	TKN	mg N/L	21	21MAY2001 - 22APR2002	18	1.143	0.150	0.970	1.030	1.113	1.260	1.520	0	0	0.00%
S333	OPO4	mg P/L	23	21MAY2001 - 22APR2002	18	0.004	0.001	0.004	0.004	0.004	0.004	0.007	0	0	0.00%
S333	ALKALINE PHOS	nM/minml	168	21MAY2001 - 22APR2002	17	7.818	11.685	1.500	2.800	3.900	7.100	51.600	0	0	0.00%
S333	TP	mg P/L	25	07MAY2001 - 22APR2002	26	0.015	0.010	0.006	0.008	0.011	0.021	0.040	0	0	0.00%
S333	DIS. CA	mg/L	30	21MAY2001 - 22APR2002	19	59.417	7.466	47.709	54.445	59.687	62.481	79.725	0	0	0.00%
S333	DIS. K	mg/L	29	21MAY2001 - 22APR2002	17	3.152	0.815	1.015	2.839	3.333	3.660	4.536	0	0	0.00%
S333	DIS. MG	mg/L	31	21MAY2001 - 22APR2002	19	10.423	2.858	3.181	9.026	10.612	12.804	14.964	0	0	0.00%
S333	DIS. NA	mg/L	28	21MAY2001 - 22APR2002	17	35.307	9.754	12.334	28.941	36.429	42.624	49.800	0	0	0.00%
S333	TOT. CL	mg/L	32	21MAY2001 - 22APR2002	18	55.093	15.037	19.100	46.280	58.295	65.500	77.150	0	0	0.00%
S333	TOT. SO4	mg/L	33	30JUL2001 - 08APR2002	6	10.582	6.647	3.130	7.840	9.410	10.760	22.940	0	0	0.00%
S333	DIS. SILICA	mg/L	27	30JUL2001 - 08APR2002	6	9.081	1.671	6.764	7.175	9.848	10.423	10.425	0	0	0.00%
S333	TOT. FE	mg/L	177	30JUL2001 - 08APR2002	5	0.076	0.024	0.050	0.053	0.083	0.097	0.098	0	0	0.00%
S333	TOT. CD	ug/L	103	24JUL2001 - 15JAN2002	2	0.300	0.000	0.300	0.300	0.300	0.300	0.300	0	0	0.00%
S333	TOT. CU	ug/L	104	24JUL2001 - 15JAN2002	2	1.749	0.334	1.513	1.513	1.749	1.985	1.985	0	0	0.00%
S333	TOT. ZN	ug/L	105	24JUL2001 - 15JAN2002	2	4.000	0.000	4.000	4.000	4.000	4.000	4.000	0	0	0.00%
S333	CAROTENOID	mg/m3	63	21MAY2001 - 22APR2002	19	2.605	2.974	1.000	1.000	1.000	3.000	11.100	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S333	CHLA	mg/m3	61	21MAY2001 - 22APR2002	19	5.037	6.921	1.000	1.000	2.200	4.600	24.300	0	0	0.00%
S333	CHLA2	mg/m3	112	21MAY2001 - 22APR2002	19	4.168	5.832	1.000	1.200	2.100	3.300	20.000	0	0	0.00%
S333	CHLB	mg/m3	62	21MAY2001 - 22APR2002	19	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S333	CHLC	mg/m3	113	21MAY2001 - 22APR2002	19	1.105	0.334	1.000	1.000	1.000	1.000	2.400	0	0	0.00%
S333	PHENOPHYTIN A	mg/m3	64	21MAY2001 - 22APR2002	19	1.795	1.525	1.000	1.000	1.000	1.700	6.000	0	0	0.00%
C123SR84	DO	mg/L	8	29MAY2001 - 30APR2002	13	4.277	1.867	1.750	2.550	4.150	5.730	7.700	0	9	69.23%
C123SR84	FLDCOND.	UMHOS/CM	9	29MAY2001 - 30APR2002	12	692.8	173.5	504.0	593.5	652.5	747.0	1160.0	0	0	0.00%
C123SR84	PH	UNITS	10	29MAY2001 - 30APR2002	13	7.299	0.253	7.030	7.110	7.250	7.390	7.880	0	0	0.00%
C123SR84	TURBIDITY	NTU	12	29MAY2001 - 30APR2002	13	1.970	1.532	0.701	1.150	1.680	1.810	6.020	0	0	0.00%
C123SR84	TSS	mg/L	16	29MAY2001 - 30APR2002	13	2.677	2.142	1.000	1.200	2.000	2.200	7.600	0	0	0.00%
C123SR84	COLOR	UNITS	13	29MAY2001 - 30APR2002	13	76.923	20.569	52.000	63.000	74.000	87.000	130.000	0	0	0.00%
C123SR84	TEMP	CENT	7	29MAY2001 - 30APR2002	13	24.799	4.095	18.960	21.310	25.140	28.720	30.540	0	0	0.00%
C123SR84	ALKALINITY	mg/L	67	29MAY2001 - 30APR2002	13	211.375	48.619	147.400	186.800	204.760	220.900	347.300	0	0	0.00%
C123SR84	TN	mg N/L	80	29MAY2001 - 30APR2002	13	1.467	0.288	1.173	1.253	1.400	1.554	2.179	0	0	0.00%
C123SR84	NOX	mg N/L	18;180	29MAY2001 - 30APR2002	13	0.079	0.162	0.004	0.005	0.016	0.060	0.599	0	0	0.00%
C123SR84	NO2	mg N/L	19	29MAY2001 - 30APR2002	13	0.006	0.005	0.004	0.004	0.004	0.005	0.023	0	0	0.00%
C123SR84	NO3	mg N/L	78	29MAY2001 - 30APR2002	13	0.075	0.156	0.004	0.005	0.016	0.050	0.576	0	0	0.00%
C123SR84	NH4	mg N/L	20	29MAY2001 - 30APR2002	13	0.026	0.011	0.009	0.020	0.028	0.031	0.045	0	0	0.00%
C123SR84	UN-IONIZED AMMONIA	mg/L	NONE	29MAY2001 - 30APR2002	13	0.00044	0.00048	0.00010	0.00022	0.00025	0.00044	0.00192	0	0	0.00%
C123SR84	NNH4	mg N/L	92	29MAY2001 - 30APR2002	13	0.104	0.170	0.005	0.030	0.042	0.080	0.644	0	0	0.00%
C123SR84	ORGN	mg N/L	79	29MAY2001 - 30APR2002	13	1.363	0.228	1.011	1.182	1.350	1.535	1.778	0	0	0.00%
C123SR84	TKN	mg N/L	21	29MAY2001 - 30APR2002	13	1.388	0.227	1.052	1.220	1.350	1.554	1.808	0	0	0.00%
C123SR84	OPO4	mg P/L	23	29MAY2001 - 30APR2002	13	0.008	0.005	0.004	0.004	0.006	0.009	0.021	0	0	0.00%
C123SR84	TP	mg P/L	25	29MAY2001 - 30APR2002	13	0.026	0.011	0.011	0.016	0.025	0.030	0.044	0	0	0.00%
C123SR84	DIS. K	mg/L	29	24JUL2001 - 30APR2002	4	3.951	0.537	3.304	3.542	3.969	4.360	4.563	0	0	0.00%
C123SR84	DIS. NA	mg/L	28	24JUL2001 - 30APR2002	4	32.823	10.331	23.115	24.748	31.041	40.898	46.095	0	0	0.00%
C123SR84	TOT. CL	mg/L	32	29MAY2001 - 30APR2002	13	58.351	15.736	37.390	48.510	52.610	63.750	89.870	0	0	0.00%
C123SR84	TOT. SO4	mg/L	33	24JUL2001 - 30APR2002	4	20.290	16.743	8.740	10.845	13.635	29.735	45.150	0	0	0.00%
C123SR84	DIS. SILICA	mg/L	27	24JUL2001 - 30APR2002	3	4.983	1.390	4.119	4.119	4.244	6.586	6.586	0	0	0.00%
G94B	DO	mg/L	8	22MAY2001 - 22APR2002	12	2.699	1.244	0.690	2.010	2.825	3.275	5.370	0	11	91.67%
G94B	FLDCOND.	UMHOS/CM	9	22MAY2001 - 22APR2002	12	433.600	142.315	188.000	332.000	423.000	543.500	700.000	0	0	0.00%
G94B	PH	UNITS	10	22MAY2001 - 22APR2002	12	7.048	0.222	6.670	6.890	7.030	7.195	7.490	0	0	0.00%
G94B	TURBIDITY	NTU	12	22MAY2001 - 22APR2002	12	2.727	4.586	0.702	0.757	1.115	2.185	17.000	0	0	0.00%
G94B	TSS	mg/L	16	22MAY2001 - 22APR2002	12	4.300	5.438	1.000	1.000	2.400	5.100	20.200	0	0	0.00%
G94B	COLOR	UNITS	13	22MAY2001 - 22APR2002	12	109.000	28.870	79.000	86.500	105.500	120.000	171.000	0	0	0.00%
G94B	HARDNESS	mg/L CaCO3	35	31JUL2001 - 22APR2002	3	155.567	56.602	90.300	90.300	185.200	191.200	191.200	0	0	0.00%
G94B	TEMP	CENT	7	22MAY2001 - 22APR2002	12	25.585	3.799	18.360	22.140	26.150	28.880	29.920	0	0	0.00%
G94B	ALKALINITY	mg/L	67	22MAY2001 - 22APR2002	12	119.260	42.102	45.890	82.930	122.050	155.500	188.700	0	0	0.00%
G94B	TN	mg N/L	80	22MAY2001 - 22APR2002	12	1.497	0.461	0.920	1.125	1.364	1.815	2.457	0	0	0.00%
G94B	NOX	mg N/L	18;180	22MAY2001 - 22APR2002	12	0.018	0.034	0.004	0.004	0.004	0.013	0.121	0	0	0.00%
G94B	NO2	mg N/L	19	22MAY2001 - 22APR2002	12	0.009	0.011	0.004	0.004	0.004	0.004	0.038	0	0	0.00%
G94B	NO3	mg N/L	78	22MAY2001 - 22APR2002	12	0.013	0.023	0.004	0.004	0.004	0.011	0.083	0	0	0.00%
G94B	NH4	mg N/L	20	22MAY2001 - 22APR2002	12	0.051	0.127	0.009	0.009	0.015	0.021	0.455	0	0	0.00%
G94B	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 22APR2002	12	0.0012	0.0036	0.0000	0.0000	0.0001	0.0002	0.0127	0	0	0.00%
G94B	NNH4	mg N/L	92	22MAY2001 - 22APR2002	12	0.067	0.140	0.004	0.009	0.016	0.033	0.495	0	0	0.00%
G94B	ORGN	mg N/L	79	22MAY2001 - 22APR2002	12	1.431	0.367	0.907	1.116	1.343	1.804	1.962	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
G94B	TKN	mg N/L	21	22MAY2001 - 22APR2002	12	1.480	0.442	0.920	1.125	1.359	1.813	2.417	0	0	0.00%
G94B	OPO4	mg P/L	23	22MAY2001 - 22APR2002	12	0.020	0.021	0.005	0.008	0.013	0.023	0.081	0	0	0.00%
G94B	TP	mg P/L	25	22MAY2001 - 22APR2002	12	0.053	0.040	0.018	0.024	0.034	0.077	0.129	0	0	0.00%
G94B	DIS. CA	mg/L	30	31JUL2001 - 22APR2002	4	42.991	15.925	28.174	29.237	43.047	56.746	57.698	0	0	0.00%
G94B	DIS. MG	mg/L	29	31JUL2001 - 22APR2002	4	3.684	2.269	0.776	1.943	3.994	5.425	5.973	0	0	0.00%
G94B	DIS. K	mg/L	31	31JUL2001 - 22APR2002	4	8.979	3.067	4.841	6.656	9.810	11.303	11.456	0	0	0.00%
G94B	DIS. NA	mg/L	28	31JUL2001 - 22APR2002	4	34.358	8.823	21.888	28.444	36.658	40.273	42.229	0	0	0.00%
G94B	TOT. CL	mg/L	32	22MAY2001 - 22APR2002	12	50.460	15.844	25.200	42.010	48.045	59.810	87.430	0	0	0.00%
G94B	TOT. SO4	mg/L	33	31JUL2001 - 22APR2002	4	17.880	12.814	1.420	7.740	20.620	28.020	28.860	0	0	0.00%
G94B	DIS. SILICA	mg/L	27	31JUL2001 - 22APR2002	4	8.753	4.096	4.759	5.241	8.744	12.266	12.767	0	0	0.00%
G94B	TOT. FE	mg/L	177	31JUL2001 - 22APR2002	4	0.103	0.052	0.049	0.069	0.095	0.136	0.172	0	0	0.00%
S31	DO	mg/L	8	22MAY2001 - 09APR2002	12	4.046	2.642	0.630	2.425	4.020	4.695	8.960	0	10	83.33%
S31	FLDCOND.	UMHOS/CM	9	22MAY2001 - 09APR2002	13	701.2	87.9	555.0	641.0	686.0	735.0	870.0	0	0	0.00%
S31	PH	UNITS	10	22MAY2001 - 09APR2002	13	7.388	0.159	7.140	7.300	7.350	7.530	7.620	0	0	0.00%
S31	TURBIDITY	NTU	12	22MAY2001 - 09APR2002	13	1.478	0.767	0.700	1.080	1.200	1.520	3.530	0	0	0.00%
S31	TSS	mg/L	16	22MAY2001 - 09APR2002	13	1.646	1.255	1.000	1.000	1.000	1.400	4.800	0	0	0.00%
S31	COLOR	UNITS	13	22MAY2001 - 09APR2002	13	57.462	9.769	46.000	49.000	55.000	67.000	73.000	0	0	0.00%
S31	TEMP	CENT	7	22MAY2001 - 09APR2002	13	25.666	2.666	21.250	23.680	26.210	26.890	31.070	0	0	0.00%
S31	ALKALINITY	mg/L	67	22MAY2001 - 09APR2002	13	224.590	30.187	187.210	204.820	216.800	243.700	288.100	0	0	0.00%
S31	TN	mg N/L	80	22MAY2001 - 09APR2002	13	1.279	0.150	1.094	1.150	1.303	1.409	1.544	0	0	0.00%
S31	NOX	mg N/L	18;180	22MAY2001 - 09APR2002	13	0.040	0.070	0.004	0.005	0.014	0.031	0.264	0	0	0.00%
S31	NO2	mg N/L	19	22MAY2001 - 09APR2002	13	0.005	0.002	0.004	0.004	0.004	0.004	0.012	0	0	0.00%
S31	NO3	mg N/L	78	22MAY2001 - 09APR2002	13	0.038	0.067	0.004	0.004	0.014	0.027	0.252	0	0	0.00%
S31	NH4	mg N/L	20	22MAY2001 - 09APR2002	13	0.103	0.073	0.026	0.041	0.110	0.122	0.293	0	0	0.00%
S31	<small>UNSPECIFIED AMMONIA</small>	mg/L	NONE	22MAY2001 - 09APR2002	13	0.0018	0.0012	0.0003	0.0012	0.0014	0.0030	0.0036	0	0	0.00%
S31	NNH4	mg N/L	92	22MAY2001 - 09APR2002	13	0.142	0.096	0.039	0.096	0.123	0.162	0.374	0	0	0.00%
S31	ORGN	mg N/L	79	22MAY2001 - 09APR2002	13	1.138	0.133	0.948	1.054	1.113	1.203	1.404	0	0	0.00%
S31	TKN	mg N/L	21	22MAY2001 - 09APR2002	13	1.240	0.121	1.080	1.140	1.230	1.311	1.430	0	0	0.00%
S31	OPO4	mg P/L	23	22MAY2001 - 09APR2002	13	0.005	0.001	0.004	0.004	0.004	0.005	0.007	0	0	0.00%
S31	TP	mg P/L	25	22MAY2001 - 09APR2002	11	0.015	0.004	0.011	0.012	0.013	0.018	0.023	0	0	0.00%
S31	DIS. K	mg/L	29	31JUL2001 - 09APR2002	4	3.617	0.340	3.260	3.372	3.572	3.862	4.063	0	0	0.00%
S31	DIS. NA	mg/L	28	31JUL2001 - 09APR2002	4	44.485	6.617	37.718	39.157	43.898	49.813	52.426	0	0	0.00%
S31	TOT. CL	mg/L	32	22MAY2001 - 09APR2002	13	70.567	11.747	56.270	61.270	66.510	78.770	90.680	0	0	0.00%
S31	TOT. SO4	mg/L	33	31JUL2001 - 09APR2002	4	7.668	4.148	4.260	4.475	6.615	10.860	13.180	0	0	0.00%
S31	DIS. SILICA	mg/L	27	31JUL2001 - 09APR2002	4	9.609	2.000	7.218	8.336	9.554	10.883	12.111	0	0	0.00%
S38	DO	mg/L	8	30MAY2001 - 29APR2002	12	3.357	1.884	1.220	2.040	2.425	4.760	7.590	0	9	75.00%
S38	FLDCOND.	UMHOS/CM	9	30MAY2001 - 29APR2002	11	756.364	147.870	455.000	642.000	765.000	870.000	974.000	0	0	0.00%
S38	PH	UNITS	10	30MAY2001 - 29APR2002	12	7.395	0.232	7.060	7.245	7.360	7.590	7.790	0	0	0.00%
S38	TURBIDITY	NTU	12	30MAY2001 - 29APR2002	12	1.108	0.754	0.355	0.517	0.897	1.545	2.530	0	0	0.00%
S38	TSS	mg/L	16	30MAY2001 - 29APR2002	12	1.383	0.751	1.000	1.000	1.000	1.300	3.400	0	0	0.00%
S38	COLOR	UNITS	13	30MAY2001 - 29APR2002	12	86.333	12.131	69.000	75.500	85.500	99.000	103.000	0	0	0.00%
S38	TEMP	CENT	7	30MAY2001 - 29APR2002	12	25.548	3.568	19.390	22.830	26.430	27.770	31.140	0	0	0.00%
S38	ALKALINITY	mg/L	67	30MAY2001 - 29APR2002	12	171.708	34.413	123.800	146.050	167.950	192.885	241.590	0	0	0.00%
S38	TN	mg N/L	80	30MAY2001 - 29APR2002	12	1.567	0.400	1.023	1.216	1.557	1.836	2.400	0	0	0.00%
S38	NOX	mg N/L	18;180	30MAY2001 - 29APR2002	12	0.019	0.021	0.004	0.004	0.005	0.026	0.071	0	0	0.00%
S38	NO2	mg N/L	19	30MAY2001 - 29APR2002	12	0.005	0.002	0.004	0.004	0.004	0.005	0.010	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S38	NO3	mg N/L	78	30MAY2001 - 29APR2002	12	0.016	0.019	0.004	0.004	0.005	0.024	0.066	0	0	0.00%
S38	NH4	mg N/L	20	30MAY2001 - 29APR2002	12	0.053	0.062	0.010	0.012	0.022	0.090	0.209	0	0	0.00%
S38	UN-IONIZED AMMONIA	mg/L	NONE	30MAY2001 - 29APR2002	12	0.0011	0.0014	0.0001	0.0001	0.0004	0.0022	0.0042	0	0	0.00%
S38	NNH4	mg N/L	92	30MAY2001 - 29APR2002	12	0.070	0.081	0.010	0.016	0.022	0.116	0.255	0	0	0.00%
S38	ORGN	mg N/L	79	30MAY2001 - 29APR2002	12	1.497	0.330	1.005	1.200	1.523	1.720	2.145	0	0	0.00%
S38	TKN	mg N/L	21	30MAY2001 - 29APR2002	12	1.550	0.383	1.023	1.214	1.542	1.810	2.354	0	0	0.00%
S38	OPO4	mg P/L	23	30MAY2001 - 29APR2002	12	0.007	0.003	0.004	0.005	0.006	0.009	0.016	0	0	0.00%
S38	TP	mg P/L	25	30MAY2001 - 29APR2002	12	0.020	0.012	0.006	0.012	0.015	0.029	0.040	0	0	0.00%
S38	DIS. K	mg/L	29	23JUL2001 - 29APR2002	4	6.461	0.939	5.632	5.836	6.209	7.085	7.792	0	0	0.00%
S38	DIS. NA	mg/L	28	23JUL2001 - 29APR2002	4	69.458	7.673	63.357	64.179	67.045	74.737	80.385	0	0	0.00%
S38	TOT. CL	mg/L	32	30MAY2001 - 29APR2002	12	96.448	28.794	51.000	69.290	95.635	120.825	145.110	0	0	0.00%
S38	TOT. SO4	mg/L	33	23JUL2001 - 29APR2002	4	28.505	9.999	20.900	22.165	25.015	34.845	43.090	0	0	0.00%
S38	DIS. SILICA	mg/L	27	23JUL2001 - 29APR2002	4	11.119	2.738	7.799	8.988	11.281	13.250	14.115	0	0	0.00%
S39	DO	mg/L	8	22MAY2001 - 22APR2002	18	5.246	1.972	1.870	4.340	5.575	6.640	8.150	0	7	38.89%
S39	FLDCOND.	UMHOS/CM	9	22MAY2001 - 22APR2002	17	593.148	171.696	321.110	444.000	592.000	716.000	884.000	0	0	0.00%
S39	PH	UNITS	10	22MAY2001 - 22APR2002	17	7.570	0.309	7.010	7.340	7.730	7.780	7.920	0	0	0.00%
S39	TURBIDITY	NTU	12	22MAY2001 - 22APR2002	18	1.400	0.650	0.589	0.945	1.290	2.020	2.950	0	0	0.00%
S39	TSS	mg/L	16	22MAY2001 - 22APR2002	18	1.856	0.996	1.000	1.000	1.300	2.800	4.200	0	0	0.00%
S39	COLOR	UNITS	13	22MAY2001 - 22APR2002	18	86.500	16.386	65.000	78.000	81.500	93.000	129.000	0	0	0.00%
S39	HARDNESS	mg/L CaCO3	35	31JUL2001 - 11APR2002	4	173.575	42.196	128.200	137.800	176.200	209.350	213.700	0	0	0.00%
S39	TEMP	CENT	7	22MAY2001 - 22APR2002	18	25.031	3.989	18.810	21.750	24.655	28.720	30.930	0	0	0.00%
S39	ALKALINITY	mg/L	67	22MAY2001 - 22APR2002	18	144.178	35.573	75.590	116.240	141.355	170.490	199.440	0	0	0.00%
S39	TN	mg N/L	80	22MAY2001 - 22APR2002	18	1.451	0.206	1.071	1.293	1.531	1.580	1.835	0	0	0.00%
S39	NOX	mg N/L	18:180	22MAY2001 - 22APR2002	18	0.013	0.014	0.004	0.004	0.008	0.014	0.056	0	0	0.00%
S39	NO2	mg N/L	19	22MAY2001 - 22APR2002	18	0.004	0.001	0.004	0.004	0.004	0.004	0.006	0	0	0.00%
S39	NO3	mg N/L	78	22MAY2001 - 22APR2002	18	0.012	0.013	0.004	0.004	0.008	0.012	0.052	0	0	0.00%
S39	NH4	mg N/L	20	22MAY2001 - 22APR2002	18	0.019	0.020	0.009	0.010	0.013	0.016	0.094	0	0	0.00%
S39	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 22APR2002	17	0.00052	0.00049	0.00009	0.00020	0.00041	0.00055	0.00210	0	0	0.00%
S39	NNH4	mg N/L	92	22MAY2001 - 22APR2002	18	0.030	0.031	0.007	0.012	0.017	0.036	0.134	0	0	0.00%
S39	ORGN	mg N/L	79	22MAY2001 - 22APR2002	18	1.422	0.197	1.061	1.277	1.466	1.565	1.784	0	0	0.00%
S39	TKN	mg N/L	21	22MAY2001 - 22APR2002	18	1.440	0.202	1.071	1.287	1.524	1.580	1.823	0	0	0.00%
S39	OPO4	mg P/L	23	22MAY2001 - 22APR2002	18	0.009	0.007	0.004	0.005	0.006	0.009	0.030	0	0	0.00%
S39	TP	mg P/L	25	22MAY2001 - 22APR2002	18	0.026	0.015	0.014	0.017	0.020	0.033	0.072	0	0	0.00%
S39	DIS. CA	mg/L	30	31JUL2001 - 11APR2002	4	48.137	9.859	34.322	41.053	51.316	55.221	55.592	0	0	0.00%
S39	DIS. K	mg/L	29	31JUL2001 - 11APR2002	5	5.262	1.068	3.800	4.513	5.700	5.925	6.371	0	0	0.00%
S39	DIS. MG	mg/L	31	31JUL2001 - 11APR2002	4	12.972	5.311	6.832	8.580	13.433	17.364	18.189	0	0	0.00%
S39	DIS. NA	mg/L	28	31JUL2001 - 11APR2002	5	51.629	16.456	28.168	41.540	59.597	59.934	68.908	0	0	0.00%
S39	TOT. CL	mg/L	32	22MAY2001 - 22APR2002	18	77.208	27.923	34.500	52.220	83.190	96.250	126.150	0	0	0.00%
S39	TOT. SO4	mg/L	33	31JUL2001 - 22APR2002	7	28.736	13.590	10.910	13.960	34.290	40.060	42.900	0	0	0.00%
S39	DIS. SILICA	mg/L	27	31JUL2001 - 22APR2002	7	9.810	2.916	6.191	6.483	10.280	12.323	13.506	0	0	0.00%
S39	TOT. FE	mg/L	177	22OCT2001 - 22OCT2001	1	0.015		0.015	0.015	0.015	0.015	0.015	0	0	0.00%
S197	DO	mg/L	8	24OCT2001 - 24OCT2001	1	2.030		2.030	2.030	2.030	2.030	2.030	0	1	100.00%
S197	FLDCOND.	UMHOS/CM	9	24OCT2001 - 24OCT2001	1	454.000		454.000	454.000	454.000	454.000	454.000	0	0	0.00%
S197	PH	UNITS	10	24OCT2001 - 24OCT2001	1	6.960		6.960	6.960	6.960	6.960	6.960	0	0	0.00%
S197	TURBIDITY	NTU	12	24OCT2001 - 24OCT2001	1	2.670		2.670	2.670	2.670	2.670	2.670	0	0	0.00%
S197	TSS	mg/L	16	24OCT2001 - 24OCT2001	1	2.000		2.000	2.000	2.000	2.000	2.000	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S197	COLOR	UNITS	13	24OCT2001 - 24OCT2001	1	12.000		12.000	12.000	12.000	12.000	12.000	0	0	0.00%
S197	HARDNESS	mg/L CaCO3	35	24OCT2001 - 24OCT2001	1	188.800		188.800	188.800	188.800	188.800	188.800	0	0	0.00%
S197	TEMP	CENT	7	24OCT2001 - 24OCT2001	1	26.140		26.140	26.140	26.140	26.140	26.140	0	0	0.00%
S197	ALKALINITY	mg/L	67	24OCT2001 - 24OCT2001	1	177.300		177.300	177.300	177.300	177.300	177.300	0	0	0.00%
S197	TN	mg N/L	80	24OCT2001 - 24OCT2001	1	0.500		0.500	0.500	0.500	0.500	0.500	0	0	0.00%
S197	NOX	mg N/L	18;180	24OCT2001 - 24OCT2001	1	0.141		0.141	0.141	0.141	0.141	0.141	0	0	0.00%
S197	NO2	mg N/L	19	24OCT2001 - 24OCT2001	1	0.010		0.010	0.010	0.010	0.010	0.010	0	0	0.00%
S197	NO3	mg N/L	78	24OCT2001 - 24OCT2001	1	0.131		0.131	0.131	0.131	0.131	0.131	0	0	0.00%
S197	NH4	mg N/L	20	24OCT2001 - 24OCT2001	1	0.094		0.094	0.094	0.094	0.094	0.094	0	0	0.00%
S197	UN-IONIZED AMMONIA	mg/L	NONE	24OCT2001 - 24OCT2001	1	0.00064		0.00064	0.00064	0.00064	0.00064	0.00064	0	0	0.00%
S197	NNH4	mg N/L	92	24OCT2001 - 24OCT2001	1	0.235		0.235	0.235	0.235	0.235	0.235	0	0	0.00%
S197	ORGN	mg N/L	79	24OCT2001 - 24OCT2001	1	0.500		0.500	0.500	0.500	0.500	0.500	0	0	0.00%
S197	TKN	mg N/L	21	24OCT2001 - 24OCT2001	1	0.500		0.500	0.500	0.500	0.500	0.500	0	0	0.00%
S197	OPO4	mg P/L	23	24OCT2001 - 24OCT2001	1	0.004		0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S197	TP	mg P/L	25	24OCT2001 - 24OCT2001	1	0.010		0.010	0.010	0.010	0.010	0.010	0	0	0.00%
S197	DIS. CA	mg/L	30	24OCT2001 - 24OCT2001	1	68.427		68.427	68.427	68.427	68.427	68.427	0	0	0.00%
S197	DIS. K	mg/L	29	24OCT2001 - 24OCT2001	1	4.542		4.542	4.542	4.542	4.542	4.542	0	0	0.00%
S197	DIS. MG	mg/L	31	24OCT2001 - 24OCT2001	1	4.354		4.354	4.354	4.354	4.354	4.354	0	0	0.00%
S197	DIS. NA	mg/L	28	24OCT2001 - 24OCT2001	1	16.858		16.858	16.858	16.858	16.858	16.858	0	0	0.00%
S197	TOT. CL	mg/L	32	24OCT2001 - 24OCT2001	1	28.330		28.330	28.330	28.330	28.330	28.330	0	0	0.00%
S197	TOT. SO4	mg/L	33	24OCT2001 - 24OCT2001	1	9.670		9.670	9.670	9.670	9.670	9.670	0	0	0.00%
S197	DIS. SILICA	mg/L	27	24OCT2001 - 24OCT2001	1	4.328		4.328	4.328	4.328	4.328	4.328	0	0	0.00%
S334	DO	mg/L	8	21MAY2001 - 22APR2002	12	4.850	1.838	2.240	3.755	4.275	5.680	8.600	0	7	58.33%
S334	FLDCOND	UMHOS/CM	9	21MAY2001 - 22APR2002	13	481.923	65.494	403.000	432.000	478.000	529.000	614.000	0	0	0.00%
S334	PH	UNITS	10	21MAY2001 - 22APR2002	13	7.592	0.250	7.380	7.460	7.510	7.640	8.270	0	0	0.00%
S334	TURBIDITY	NTU	12	21MAY2001 - 22APR2002	13	2.123	1.412	0.603	0.919	1.530	2.610	5.050	0	0	0.00%
S334	TSS	mg/L	16	21MAY2001 - 22APR2002	13	2.277	1.924	1.000	1.000	1.400	2.000	6.600	0	0	0.00%
S334	COLOR	UNITS	13	21MAY2001 - 22APR2002	13	43.231	15.616	23.000	37.000	40.000	55.000	71.000	0	0	0.00%
S334	HARDNESS	mg/L CaCO3	35	30JUL2001 - 22APR2002	4	196.575	31.399	157.000	175.950	197.850	217.200	233.600	0	0	0.00%
S334	TEMP	CENT	7	21MAY2001 - 22APR2002	13	26.409	3.487	20.180	23.710	26.340	28.900	31.440	0	0	0.00%
S334	ALKALINITY	mg/L	67	21MAY2001 - 22APR2002	13	178.532	24.723	143.410	157.900	170.200	191.100	228.100	0	0	0.00%
S334	SALINITY	UNITS	98	11FEB2002 - 25MAR2002	2	0.210	0.014	0.200	0.200	0.210	0.220	0.220	0	0	0.00%
S334	TN	mg N/L	80	21MAY2001 - 22APR2002	13	1.065	0.189	0.500	1.033	1.104	1.157	1.299	0	0	0.00%
S334	NOX	mg N/L	18;180	21MAY2001 - 22APR2002	13	0.028	0.015	0.004	0.020	0.028	0.040	0.052	0	0	0.00%
S334	NO2	mg N/L	19	21MAY2001 - 22APR2002	13	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S334	NO3	mg N/L	78	21MAY2001 - 22APR2002	13	0.028	0.015	0.004	0.020	0.028	0.040	0.052	0	0	0.00%
S334	NH4	mg N/L	20	21MAY2001 - 22APR2002	13	0.117	0.165	0.009	0.024	0.033	0.102	0.478	0	0	0.00%
S334	UN-IONIZED AMMONIA	mg/L	NONE	21MAY2001 - 22APR2002	13	0.0029	0.0037	0.0003	0.0007	0.0012	0.0028	0.0111	0	0	0.00%
S334	NNH4	mg N/L	92	21MAY2001 - 22APR2002	13	0.145	0.173	0.009	0.051	0.073	0.145	0.512	0	0	0.00%
S334	ORGN	mg N/L	79	21MAY2001 - 25MAR2002	12	0.964	0.181	0.592	0.948	1.003	1.064	1.157	0	0	0.00%
S334	TKN	mg N/L	21	21MAY2001 - 25MAR2002	12	1.087	0.089	0.950	1.015	1.071	1.151	1.271	0	0	0.00%
S334	OPO4	mg P/L	23	21MAY2001 - 25MAR2002	12	0.004	0.000	0.004	0.004	0.004	0.005	0.005	0	0	0.00%
S334	TP	mg P/L	25	21MAY2001 - 25MAR2002	12	0.014	0.006	0.007	0.009	0.011	0.020	0.023	0	0	0.00%
S334	DIS. CA	mg/L	30	30JUL2001 - 22APR2002	4	65.797	11.977	53.121	57.295	64.238	74.299	81.591	0	0	0.00%
S334	DIS. K	mg/L	29	30JUL2001 - 22APR2002	4	2.127	0.782	1.640	1.702	1.787	2.553	3.295	0	0	0.00%
S334	DIS. MG	mg/L	31	30JUL2001 - 22APR2002	4	7.846	2.492	5.925	6.312	6.983	9.379	11.491	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S334	DIS. NA	mg/L	28	30JUL2001 - 22APR2002	4	26.555	7.383	20.135	20.984	24.801	32.126	36.482	0	0	0.00%
S334	TOT. CL	mg/L	32	21MAY2001 - 22APR2002	13	42.675	10.085	29.060	34.570	42.600	47.220	59.970	0	0	0.00%
S334	TOT. SO4	mg/L	33	30JUL2001 - 22APR2002	4	6.208	7.016	0.100	1.000	4.490	11.415	15.750	0	0	0.00%
S334	DIS. SILICA	mg/L	27	30JUL2001 - 22APR2002	4	8.053	1.118	7.120	7.301	7.722	8.806	9.649	0	0	0.00%
S334	TOT. MTHY HG	ng/L	203	24JUL2001 - 15APR2002	4	0.178	0.119	0.060	0.095	0.155	0.260	0.340	0	0	0.00%
US41-25	DO	mg/L	8	07MAY2001 - 22APR2002	26	2.527	0.535	1.170	2.300	2.515	2.810	3.730	0	26	100.00%
US41-25	FLDCOND.	UMHOS/CM	9	07MAY2001 - 22APR2002	26	368.5	77.3	258.0	298.0	365.0	426.0	508.0	0	0	0.00%
US41-25	PH	UNITS	10	07MAY2001 - 22APR2002	26	7.152	0.080	7.000	7.090	7.145	7.210	7.300	0	0	0.00%
US41-25	TURBIDITY	NTU	12	07MAY2001 - 22APR2002	20	1.440	1.513	0.445	0.625	0.837	1.600	6.420	0	0	0.00%
US41-25	TSS	mg/L	16	07MAY2001 - 22APR2002	20	1.630	1.474	1.000	1.000	1.000	1.400	6.000	0	0	0.00%
US41-25	COLOR	UNITS	13	07MAY2001 - 22APR2002	20	31.650	15.806	19.000	22.500	29.000	33.500	89.000	0	0	0.00%
US41-25	HARDNESS	mg/L CaCO3	35	07MAY2001 - 22APR2002	19	162.921	32.942	120.900	136.300	157.400	184.600	221.800	0	0	0.00%
US41-25	TEMP	CENT	7	07MAY2001 - 22APR2002	26	25.383	3.209	18.500	23.410	25.790	28.380	30.120	0	0	0.00%
US41-25	ALKALINITY	mg/L	67	07MAY2001 - 22APR2002	20	163.139	35.554	117.700	133.700	152.250	196.925	225.100	0	0	0.00%
US41-25	SALINITY	UNITS	98	03DEC2001 - 25MAR2002	3	0.230	0.062	0.180	0.180	0.210	0.300	0.300	0	0	0.00%
US41-25	TOTAL DEPTH	METERS	99	28JAN2002 - 28JAN2002	1	0.230		0.230	0.230	0.230	0.230	0.230	0	0	0.00%
US41-25	TN	mg N/L	80	07MAY2001 - 22APR2002	20	0.897	0.255	0.565	0.698	0.879	0.993	1.612	0	0	0.00%
US41-25	NOX	mg N/L	18,180	07MAY2001 - 22APR2002	19	0.026	0.019	0.004	0.009	0.026	0.031	0.078	0	0	0.00%
US41-25	NO2	mg N/L	19	07MAY2001 - 22APR2002	19	0.005	0.002	0.004	0.004	0.004	0.004	0.011	0	0	0.00%
US41-25	NO3	mg N/L	78	07MAY2001 - 22APR2002	18	0.026	0.017	0.004	0.015	0.026	0.031	0.067	0	0	0.00%
US41-25	NH4	mg N/L	20	07MAY2001 - 22APR2002	19	0.073	0.048	0.016	0.034	0.073	0.091	0.190	0	0	0.00%
US41-25	UN-IONIZED AMMONIA	mg/L	NONE	07MAY2001 - 22APR2002	19	0.00075	0.00060	0.00019	0.00036	0.00045	0.00117	0.00204	0	0	0.00%
US41-25	NNH4	mg N/L	92	07MAY2001 - 22APR2002	19	0.099	0.061	0.021	0.038	0.099	0.146	0.216	0	0	0.00%
US41-25	ORGN	mg N/L	79	07MAY2001 - 22APR2002	19	0.799	0.240	0.506	0.587	0.741	0.954	1.404	0	0	0.00%
US41-25	TKN	mg N/L	21	07MAY2001 - 22APR2002	20	0.873	0.251	0.550	0.670	0.837	0.980	1.563	0	0	0.00%
US41-25	OPO4	mg P/L	23	07MAY2001 - 22APR2002	19	0.004	0.001	0.004	0.004	0.004	0.004	0.008	0	0	0.00%
US41-25	ALKALINE PHOS	nM/minml	168	07MAY2001 - 22APR2002	16	8.375	7.843	1.500	2.350	4.000	13.450	24.900	0	0	0.00%
US41-25	TP	mg P/L	25	07MAY2001 - 22APR2002	26	0.021	0.019	0.007	0.010	0.015	0.025	0.081	0	0	0.00%
US41-25	DIS. CA	mg/L	30	07MAY2001 - 22APR2002	19	61.732	13.064	45.706	51.154	59.112	77.116	83.400	0	0	0.00%
US41-25	DIS. K	mg/L	29	07MAY2001 - 22APR2002	19	0.691	0.250	0.382	0.506	0.632	0.830	1.348	0	0	0.00%
US41-25	DIS. MG	mg/L	31	07MAY2001 - 22APR2002	19	2.655	0.726	1.643	2.084	2.387	3.516	4.031	0	0	0.00%
US41-25	DIS. NA	mg/L	28	07MAY2001 - 22APR2002	19	10.183	2.983	5.584	7.778	9.933	13.800	14.976	0	0	0.00%
US41-25	TOT. CL	mg/L	32	07MAY2001 - 22APR2002	20	15.150	4.244	8.520	11.550	14.295	18.250	23.150	0	0	0.00%
US41-25	TOT. SO4	mg/L	33	30JUL2001 - 22APR2002	5	0.498	0.520	0.110	0.230	0.290	0.460	1.400	0	0	0.00%
US41-25	DIS. SILICA	mg/L	27	30JUL2001 - 22APR2002	6	5.713	1.833	3.752	4.418	5.472	6.575	8.589	0	0	0.00%
US41-25	CAROTENOID	mg/m3	63	07MAY2001 - 22APR2002	20	3.225	4.551	1.000	1.000	1.100	3.500	17.900	0	0	0.00%
US41-25	CHLA	mg/m3	61	07MAY2001 - 22APR2002	20	8.870	14.103	1.200	1.950	2.550	9.700	49.100	0	0	0.00%
US41-25	CHLA2	mg/m3	112	07MAY2001 - 22APR2002	20	7.030	10.529	1.200	1.950	2.200	7.800	37.100	0	0	0.00%
US41-25	CHLB	mg/m3	62	07MAY2001 - 22APR2002	20	1.075	0.335	1.000	1.000	1.000	1.000	2.500	0	0	0.00%
US41-25	CHLC	mg/m3	113	07MAY2001 - 22APR2002	20	1.295	0.674	1.000	1.000	1.000	1.000	3.100	0	0	0.00%
US41-25	PHOEPHYTINA	mg/m3	64	07MAY2001 - 22APR2002	20	3.120	5.063	1.000	1.000	1.000	2.750	17.800	0	0	0.00%
S344	DO	mg/L	8	31JUL2001 - 11APR2002	4	2.650	1.770	1.270	1.440	2.075	3.860	5.180	0	3	75.00%
S344	FLDCOND.	UMHOS/CM	9	31JUL2001 - 11APR2002	4	269.750	71.556	201.000	211.500	261.000	328.000	356.000	0	0	0.00%
S344	PH	UNITS	10	31JUL2001 - 11APR2002	4	7.275	0.270	7.060	7.070	7.200	7.480	7.640	0	0	0.00%
S344	TURBIDITY	NTU	12	31JUL2001 - 11APR2002	4	1.247	1.021	0.524	0.686	0.852	1.808	2.760	0	0	0.00%
S344	TSS	mg/L	16	31JUL2001 - 11APR2002	4	2.200	2.007	1.000	1.100	1.300	3.300	5.200	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S344	COLOR	UNITS	13	31JUL2001 - 11APR2002	4	57.000	39.816	32.000	33.000	40.000	81.000	116.000	0	0	0.00%
S344	HARDNESS	mg/L CaCO3	35	31JUL2001 - 11APR2002	3	116.467	35.032	95.200	95.200	97.300	156.900	156.900	0	0	0.00%
S344	TEMP	CENT	7	31JUL2001 - 11APR2002	4	26.143	2.930	22.940	23.990	25.875	28.295	29.880	0	0	0.00%
S344	ALKALINITY	mg/L	67	31JUL2001 - 11APR2002	4	113.945	25.843	91.400	92.385	110.220	135.505	143.940	0	0	0.00%
S344	TN	mg N/L	80	31JUL2001 - 11APR2002	4	0.978	0.243	0.695	0.790	0.979	1.167	1.260	0	0	0.00%
S344	NOX	mg N/L	18;180	31JUL2001 - 11APR2002	4	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S344	NO2	mg N/L	19	31JUL2001 - 11APR2002	4	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S344	NO3	mg N/L	78	31JUL2001 - 11APR2002	4	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S344	NH4	mg N/L	20	31JUL2001 - 11APR2002	4	0.020	0.014	0.009	0.011	0.015	0.030	0.041	0	0	0.00%
S344	UN-IONIZED AMMONIA	mg/L	NONE	31JUL2001 - 11APR2002	4	0.00027	0.00015	0.00011	0.00017	0.00025	0.00037	0.00048	0	0	0.00%
S344	NNH4	mg N/L	92	31JUL2001 - 11APR2002	4	0.021	0.014	0.009	0.011	0.017	0.032	0.041	0	0	0.00%
S344	ORGN	mg N/L	79	31JUL2001 - 11APR2002	4	0.960	0.246	0.683	0.773	0.948	1.147	1.260	0	0	0.00%
S344	TKN	mg N/L	21	31JUL2001 - 11APR2002	4	0.977	0.244	0.695	0.788	0.977	1.167	1.260	0	0	0.00%
S344	OPO4	mg P/L	23	31JUL2001 - 11APR2002	4	0.008	0.007	0.004	0.004	0.005	0.012	0.018	0	0	0.00%
S344	TP	mg P/L	25	31JUL2001 - 11APR2002	4	0.026	0.012	0.012	0.016	0.028	0.036	0.036	0	0	0.00%
S344	DIS. CA	mg/L	30	31JUL2001 - 11APR2002	4	45.787	11.928	35.142	35.543	45.072	56.032	57.863	0	0	0.00%
S344	DIS. K	mg/L	29	31JUL2001 - 11APR2002	4	0.677	0.139	0.552	0.560	0.663	0.795	0.830	0	0	0.00%
S344	DIS. MG	mg/L	31	31JUL2001 - 11APR2002	4	2.390	0.654	1.808	1.826	2.367	2.955	3.019	0	0	0.00%
S344	DIS. NA	mg/L	28	31JUL2001 - 11APR2002	4	8.624	3.612	4.891	5.700	8.355	11.548	12.896	0	0	0.00%
S344	TOT. CL	mg/L	32	31JUL2001 - 11APR2002	4	13.585	7.293	6.500	7.960	12.420	19.210	23.000	0	0	0.00%
S344	TOT. SO4	mg/L	33	31JUL2001 - 11APR2002	4	0.313	0.239	0.170	0.185	0.205	0.440	0.670	0	0	0.00%
S344	DIS. SILICA	mg/L	27	31JUL2001 - 11APR2002	4	3.214	2.660	0.334	1.037	3.163	5.390	6.195	0	0	0.00%
S344	TOT. FE	mg/L	177	31JUL2001 - 11APR2002	4	0.101	0.062	0.042	0.054	0.090	0.148	0.182	0	0	0.00%
S176	DO	mg/L	8	23MAY2001 - 24APR2002	14	2.122	1.656	0.350	0.710	1.520	4.070	4.890	0	14	100.00%
S176	FLDCOND	UMHOS/CM	9	23MAY2001 - 24APR2002	15	534.533	47.739	444.000	506.000	533.000	549.000	634.000	0	0	0.00%
S176	PH	UNITS	10	23MAY2001 - 24APR2002	15	7.275	0.215	6.930	7.150	7.240	7.420	7.730	0	0	0.00%
S176	TURBIDITY	NTU	12	23MAY2001 - 24APR2002	14	2.239	1.493	0.832	1.090	1.820	3.090	6.350	0	0	0.00%
S176	TSS	mg/L	16	23MAY2001 - 24APR2002	14	2.300	2.335	1.000	1.200	1.700	1.800	10.000	0	0	0.00%
S176	COLOR	UNITS	13	23MAY2001 - 24APR2002	13	22.923	7.654	13.000	17.000	25.000	28.000	35.000	0	0	0.00%
S176	HARDNESS	mg/L CaCO3	35	23MAY2001 - 24APR2002	16	214.919	14.354	188.800	207.250	214.850	220.250	242.000	0	0	0.00%
S176	TEMP	CENT	7	23MAY2001 - 24APR2002	15	25.649	1.798	23.220	24.440	25.620	26.450	29.530	0	0	0.00%
S176	ALKALINITY	mg/L	67	23MAY2001 - 24APR2002	14	209.267	15.152	188.300	197.900	208.650	214.400	246.400	0	0	0.00%
S176	SALINITY	UNITS	98	05DEC2001 - 02JAN2002	2	0.140	0.198	0.000	0.000	0.140	0.280	0.280	0	0	0.00%
S176	TN	mg N/L	80	23MAY2001 - 24APR2002	14	0.890	0.136	0.707	0.750	0.926	1.019	1.116	0	0	0.00%
S176	NOX	mg N/L	18;180	23MAY2001 - 24APR2002	14	0.040	0.042	0.008	0.016	0.021	0.058	0.170	0	0	0.00%
S176	NO2	mg N/L	19	23MAY2001 - 24APR2002	13	0.004	0.001	0.004	0.004	0.004	0.004	0.009	0	0	0.00%
S176	NO3	mg N/L	78	23MAY2001 - 24APR2002	13	0.039	0.042	0.008	0.016	0.019	0.054	0.161	0	0	0.00%
S176	NH4	mg N/L	20	23MAY2001 - 24APR2002	14	0.201	0.092	0.037	0.157	0.202	0.285	0.339	0	0	0.00%
S176	UN-IONIZED AMMONIA	mg/L	NONE	23MAY2001 - 24APR2002	14	0.0025	0.0010	0.0012	0.0018	0.0022	0.0032	0.0046	0	0	0.00%
S176	NNH4	mg N/L	92	23MAY2001 - 24APR2002	14	0.241	0.092	0.053	0.214	0.228	0.311	0.378	0	0	0.00%
S176	ORGN	mg N/L	79	23MAY2001 - 24APR2002	14	0.649	0.159	0.329	0.528	0.667	0.787	0.880	0	0	0.00%
S176	TKN	mg N/L	21	23MAY2001 - 24APR2002	14	0.850	0.157	0.537	0.727	0.904	0.960	1.100	0	0	0.00%
S176	OPO4	mg P/L	23	23MAY2001 - 24APR2002	13	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S176	ALKALINE PHOS	nM/minml	168	23MAY2001 - 24APR2002	14	10.521	7.736	2.800	4.500	8.250	13.200	31.900	0	0	0.00%
S176	TP	mg P/L	25	23MAY2001 - 24APR2002	14	0.008	0.003	0.005	0.006	0.006	0.009	0.016	0	0	0.00%
S176	DIS. CA	mg/L	30	23MAY2001 - 24APR2002	16	75.308	5.283	64.480	72.507	76.797	78.331	82.933	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S176	DIS. K	mg/L	29	23MAY2001 - 24APR2002	14	2.243	0.323	1.720	2.078	2.116	2.377	2.869	0	0	0.00%
S176	DIS. MG	mg/L	31	23MAY2001 - 24APR2002	16	6.528	1.270	4.912	5.659	6.275	7.083	9.279	0	0	0.00%
S176	DIS. NA	mg/L	28	23MAY2001 - 24APR2002	14	25.829	3.279	21.960	23.808	25.087	26.517	32.719	0	0	0.00%
S176	TOT. CL	mg/L	32	23MAY2001 - 24APR2002	13	40.982	5.409	34.700	38.160	39.200	41.420	52.410	0	0	0.00%
S176	TOT. SO4	mg/L	33	18JUL2001 - 24APR2002	5	2.947	1.806	0.465	2.560	2.850	3.350	5.510	0	0	0.00%
S176	DIS. SILICA	mg/L	27	18JUL2001 - 24APR2002	5	6.102	0.481	5.325	5.949	6.348	6.419	6.471	0	0	0.00%
S176	TOT. FE	mg/L	177	18JUL2001 - 24APR2002	5	0.307	0.118	0.215	0.216	0.297	0.303	0.505	0	0	0.00%
S176	TOT. CU	ug/L	103	25JUL2001 - 14JAN2002	2	0.246	0.077	0.191	0.191	0.246	0.300	0.300	0	0	0.00%
S176	TOT. CD	ug/L	104	25JUL2001 - 14JAN2002	2	1.205	0.006	1.200	1.200	1.205	1.209	1.209	0	0	0.00%
S176	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.086	2.708	0.171	0.171	2.086	4.000	4.000	0	0	0.00%
S176	CAROTENOID	mg/m3	63	23MAY2001 - 24APR2002	15	1.513	0.930	1.000	1.000	1.000	2.000	3.500	0	0	0.00%
S176	CHLA	mg/m3	61	23MAY2001 - 24APR2002	15	2.993	2.478	1.000	1.000	2.200	3.600	9.300	0	0	0.00%
S176	CHLA2	mg/m3	112	23MAY2001 - 24APR2002	15	2.727	1.903	1.000	1.200	2.200	3.500	7.500	0	0	0.00%
S176	CHLB	mg/m3	62	23MAY2001 - 24APR2002	15	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S176	CHLC	mg/m3	113	23MAY2001 - 24APR2002	15	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S176	PHEOPHYTIN A	mg/m3	64	23MAY2001 - 24APR2002	15	1.207	0.546	1.000	1.000	1.000	1.000	2.600	0	0	0.00%
S177	DO	mg/L	8	23MAY2001 - 24APR2002	20	2.732	2.014	0.490	1.065	2.065	4.815	6.710	0	15	75.00%
S177	FLDCOND.	UMHOS/CM	9	23MAY2001 - 24APR2002	21	497.857	28.292	427.000	492.000	497.000	511.000	544.000	0	0	0.00%
S177	PH	UNITS	10	23MAY2001 - 24APR2002	21	7.298	0.222	6.970	7.120	7.290	7.460	7.880	0	0	0.00%
S177	TURBIDITY	NTU	12	23MAY2001 - 24APR2002	19	2.102	1.211	0.651	0.881	1.840	2.730	5.120	0	0	0.00%
S177	TSS	mg/L	16	23MAY2001 - 24APR2002	19	1.095	0.244	1.000	1.000	1.000	1.000	2.000	0	0	0.00%
S177	COLOR	UNITS	13	23MAY2001 - 24APR2002	19	14.895	4.748	10.000	12.000	13.000	17.000	27.000	0	0	0.00%
S177	HARDNESS	mg/L CAC03	35	23MAY2001 - 24APR2002	21	206.181	6.080	186.900	203.300	206.600	209.900	217.400	0	0	0.00%
S177	TEMP	CENT	7	23MAY2001 - 24APR2002	21	25.327	1.590	22.310	24.260	25.320	26.150	28.630	0	0	0.00%
S177	ALKALINITY	mg/L	67	23MAY2001 - 24APR2002	19	200.170	5.051	192.100	196.500	200.100	203.000	212.200	0	0	0.00%
S177	SALINITY	UNITS	98	05DEC2001 - 02JAN2002	2	0.255	0.021	0.240	0.240	0.255	0.270	0.270	0	0	0.00%
S177	TN	mg N/L	80	23MAY2001 - 24APR2002	19	0.578	0.097	0.500	0.500	0.544	0.591	0.792	0	0	0.00%
S177	NOX	mg N/L	18;180	23MAY2001 - 24APR2002	19	0.037	0.030	0.004	0.015	0.030	0.047	0.126	0	0	0.00%
S177	NO2	mg N/L	19	23MAY2001 - 24APR2002	19	0.005	0.002	0.004	0.004	0.004	0.004	0.014	0	0	0.00%
S177	NO3	mg N/L	78	23MAY2001 - 24APR2002	19	0.034	0.028	0.004	0.015	0.027	0.045	0.112	0	0	0.00%
S177	NH4	mg N/L	20	23MAY2001 - 24APR2002	19	0.091	0.055	0.009	0.067	0.094	0.110	0.231	0	0	0.00%
S177	UN-IONIZED AMMONIA	mg/L	NONE	23MAY2001 - 24APR2002	19	0.0011	0.0005	0.0003	0.0006	0.0010	0.0015	0.0021	0	0	0.00%
S177	NNH4	mg N/L	92	23MAY2001 - 24APR2002	19	0.127	0.066	0.007	0.088	0.130	0.171	0.259	0	0	0.00%
S177	ORGN	mg N/L	79	23MAY2001 - 24APR2002	19	0.497	0.086	0.375	0.442	0.500	0.545	0.707	0	0	0.00%
S177	TKN	mg N/L	21	23MAY2001 - 24APR2002	19	0.559	0.093	0.460	0.500	0.510	0.587	0.750	0	0	0.00%
S177	OPO4	mg P/L	23	23MAY2001 - 24APR2002	19	0.004	0.001	0.004	0.004	0.004	0.004	0.007	0	0	0.00%
S177	ALKALINE PHOS	nM/minml	168	23MAY2001 - 28MAR2002	17	4.088	2.527	1.300	2.000	3.000	6.500	9.500	0	0	0.00%
S177	TP	mg P/L	25	23MAY2001 - 24APR2002	20	0.008	0.004	0.004	0.005	0.006	0.012	0.017	0	0	0.00%
S177	DIS. CA	mg/L	30	23MAY2001 - 24APR2002	21	74.287	2.867	65.234	73.008	74.233	75.254	79.700	0	0	0.00%
S177	DIS. K	mg/L	29	23MAY2001 - 24APR2002	19	3.123	0.915	1.899	2.330	2.973	4.119	4.965	0	0	0.00%
S177	DIS. MG	mg/L	31	23MAY2001 - 24APR2002	21	5.227	0.893	4.351	4.645	5.092	5.580	6.866	0	0	0.00%
S177	DIS. NA	mg/L	28	23MAY2001 - 24APR2002	19	20.985	2.561	17.705	19.051	20.186	22.770	26.150	0	0	0.00%
S177	TOT. CL	mg/L	32	23MAY2001 - 24APR2002	19	33.637	3.566	29.800	31.090	32.100	35.440	41.870	0	0	0.00%
S177	TOT. SO4	mg/L	33	18JUL2001 - 24APR2002	4	4.607	2.764	1.228	2.349	5.140	6.865	6.920	0	0	0.00%
S177	DIS. SILICA	mg/L	27	18JUL2001 - 24APR2002	4	5.254	0.156	5.039	5.139	5.298	5.369	5.380	0	0	0.00%
S177	TOT. FE	mg/L	177	18JUL2001 - 24APR2002	4	0.236	0.134	0.052	0.136	0.275	0.336	0.342	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S177	TOT. CD	ug/L	103	25JUL2001 - 14JAN2002	2	0.190	0.156	0.079	0.079	0.190	0.300	0.300	0	0	0.00%
S177	TOT. CU	ug/L	104	25JUL2001 - 14JAN2002	2	1.226	0.196	1.087	1.087	1.226	1.364	1.364	0	0	0.00%
S177	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.002	2.826	0.004	0.004	2.002	4.000	4.000	0	0	0.00%
S177	CAROTENOID	mg/m3	63	23MAY2001 - 24APR2002	19	1.358	1.029	1.000	1.000	1.000	1.200	5.500	0	0	0.00%
S177	CHLA	mg/m3	61	23MAY2001 - 24APR2002	19	2.484	4.161	1.000	1.000	1.200	2.300	19.400	0	0	0.00%
S177	CHLA2	mg/m3	112	23MAY2001 - 24APR2002	19	2.274	3.257	1.000	1.000	1.400	2.300	15.500	0	0	0.00%
S177	CHLB	mg/m3	62	23MAY2001 - 24APR2002	19	1.000	0.000	1.000	1.000	1.000	1.000	1.000	0	0	0.00%
S177	CHLC	mg/m3	113	23MAY2001 - 24APR2002	19	1.089	0.390	1.000	1.000	1.000	1.000	2.700	0	0	0.00%
S177	PHEOPHYTIN A	mg/m3	64	23MAY2001 - 24APR2002	19	1.253	1.031	1.000	1.000	1.000	1.000	5.500	0	0	0.00%
S178	DO	mg/L	8	23MAY2001 - 10APR2002	12	2.333	1.539	0.310	0.955	2.260	3.180	4.990	0	12	100.0%
S178	FLDCOND.	UMHOS/CM	9	23MAY2001 - 10APR2002	12	428.833	67.229	321.000	377.000	450.500	476.000	517.000	0	0	0.00%
S178	PH	UNITS	10	23MAY2001 - 10APR2002	12	7.398	0.368	7.050	7.140	7.255	7.510	8.220	0	0	0.00%
S178	TURBIDITY	NTU	12	23MAY2001 - 10APR2002	11	4.654	8.819	0.710	0.983	1.540	2.610	30.600	0	1	9.09%
S178	TSS	mg/L	16	23MAY2001 - 10APR2002	12	5.550	12.405	1.000	1.100	1.700	3.000	44.800	0	0	0.00%
S178	COLOR	UNITS	13	23MAY2001 - 10APR2002	12	21.167	4.529	15.000	18.000	19.500	23.000	30.000	0	0	0.00%
S178	HARDNESS	mg/L CaCO3	35	23MAY2001 - 10APR2002	13	142.800	46.139	78.800	98.300	156.800	175.300	211.000	0	0	0.00%
S178	TEMP	CENT	7	23MAY2001 - 10APR2002	12	24.753	3.793	18.850	21.830	23.980	28.270	30.730	0	0	0.00%
S178	ALKALINITY	mg/L	67	23MAY2001 - 10APR2002	11	125.533	40.239	64.700	87.010	139.510	157.000	179.600	0	0	0.00%
S178	SALINITY	UNITS	98	05DEC2001 - 05DEC2001	1	0.250		0.250	0.250	0.250	0.250	0.250	0	0	0.00%
S178	TN	mg N/L	80	23MAY2001 - 10APR2002	12	0.913	0.514	0.523	0.627	0.735	0.902	2.241	0	0	0.00%
S178	NOX	mg N/L	18;180	23MAY2001 - 10APR2002	11	0.122	0.343	0.004	0.005	0.011	0.015	1.151	0	0	0.00%
S178	NO2	mg N/L	19	23MAY2001 - 10APR2002	12	0.015	0.032	0.004	0.004	0.004	0.004	0.114	0	0	0.00%
S178	NO3	mg N/L	78	23MAY2001 - 10APR2002	11	0.109	0.309	0.004	0.005	0.011	0.015	1.037	0	0	0.00%
S178	NH4	mg N/L	20	23MAY2001 - 10APR2002	12	0.028	0.008	0.015	0.022	0.029	0.033	0.046	0	0	0.00%
S178	UN-IONIZED AMMONIA	mg/L	NONE	23MAY2001 - 10APR2002	12	0.00094	0.00128	0.00014	0.00017	0.00035	0.00116	0.00384	0	0	0.00%
S178	NNH4	mg N/L	92	23MAY2001 - 10APR2002	11	0.150	0.345	0.020	0.031	0.043	0.052	1.187	0	0	0.00%
S178	ORGN	mg N/L	79	23MAY2001 - 10APR2002	12	0.773	0.468	0.466	0.514	0.628	0.802	2.189	0	0	0.00%
S178	TKN	mg N/L	21	23MAY2001 - 10APR2002	12	0.802	0.474	0.502	0.538	0.650	0.830	2.235	0	0	0.00%
S178	OPO4	mg P/L	23	23MAY2001 - 10APR2002	12	0.019	0.024	0.004	0.005	0.008	0.020	0.077	0	0	0.00%
S178	ALKALINE PHOS	nM/minml	168	23MAY2001 - 10APR2002	11	3.964	7.395	1.000	1.000	1.600	3.200	26.100	0	0	0.00%
S178	TP	mg P/L	25	23MAY2001 - 10APR2002	12	0.053	0.044	0.017	0.025	0.035	0.071	0.168	0	0	0.00%
S178	DIS. CA	mg/L	30	23MAY2001 - 10APR2002	14	48.740	17.620	22.735	31.919	54.297	59.973	75.954	0	0	0.00%
S178	DIS. K	mg/L	29	23MAY2001 - 10APR2002	12	16.020	5.444	9.931	12.371	14.848	17.821	29.393	0	0	0.00%
S178	DIS. MG	mg/L	31	23MAY2001 - 10APR2002	14	5.743	0.859	4.021	5.189	5.951	6.572	6.870	0	0	0.00%
S178	DIS. NA	mg/L	28	23MAY2001 - 10APR2002	12	18.982	3.136	13.288	16.756	19.397	20.532	24.300	0	0	0.00%
S178	TOT. CL	mg/L	32	23MAY2001 - 10APR2002	12	33.039	5.014	24.590	29.900	33.610	36.165	40.360	0	0	0.00%
S178	TOT. SO4	mg/L	33	31JUL2001 - 10APR2002	4	33.295	2.310	31.650	31.730	32.455	34.860	36.620	0	0	0.00%
S178	DIS. SILICA	mg/L	27	31JUL2001 - 10APR2002	4	1.697	1.218	0.438	0.801	1.530	2.594	3.292	0	0	0.00%
S178	TOT. FE	mg/L	177	31JUL2001 - 10APR2002	3	0.018	0.002	0.016	0.016	0.017	0.020	0.020	0	0	0.00%
S178	TOT. CD	ug/L	103	25JUL2001 - 14JAN2002	2	0.196	0.147	0.092	0.092	0.196	0.300	0.300	0	0	0.00%
S178	TOT. CU	ug/L	104	25JUL2001 - 14JAN2002	2	2.345	0.387	2.071	2.071	2.345	2.619	2.619	0	0	0.00%
S178	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.523	2.089	1.046	1.046	2.523	4.000	4.000	0	0	0.00%
S178	CAROTENOID	mg/m3	63	23MAY2001 - 10APR2002	12	5.200	9.136	1.000	1.850	2.300	3.700	34.000	0	0	0.00%
S178	CHLA	mg/m3	61	23MAY2001 - 10APR2002	12	13.325	27.323	2.700	4.300	5.650	6.750	99.900	0	0	0.00%
S178	CHLA2	mg/m3	112	23MAY2001 - 10APR2002	12	10.458	20.665	2.200	3.350	4.700	5.850	75.900	0	0	0.00%
S178	CHLB	mg/m3	62	23MAY2001 - 10APR2002	12	1.442	1.058	1.000	1.000	1.000	1.000	4.200	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S178	CHLC	mg/m3	113	23MAY2001 - 10APR2002	12	1.950	2.032	1.000	1.000	1.000	1.550	7.200	0	0	0.00%
S178	PHEOPHYTIN A	mg/m3	64	23MAY2001 - 10APR2002	12	4.342	9.736	1.000	1.000	1.400	2.250	35.200	0	0	0.00%
S331-173	DO	mg/L	8	22MAY2001 - 23APR2002	24	2.185	1.544	0.280	1.025	1.760	3.215	6.320	0	23	95.83%
S331-173	FLDCOND	UMHOS/CM	9	22MAY2001 - 23APR2002	23	575.943	68.266	430.000	543.000	562.000	606.000	742.000	0	0	0.00%
S331-173	PH	UNITS	10	22MAY2001 - 23APR2002	24	7.300	0.250	7.040	7.150	7.210	7.405	8.120	0	0	0.00%
S331-173	TURBIDITY	NTU	12	22MAY2001 - 23APR2002	24	1.933	0.822	0.888	1.130	1.825	2.535	3.430	0	0	0.00%
S331-173	TSS	mg/L	16	22MAY2001 - 23APR2002	24	1.817	1.179	1.000	1.000	1.300	2.200	5.600	0	0	0.00%
S331-173	COLOR	UNITS	13	22MAY2001 - 23APR2002	24	30.625	7.282	19.000	24.500	31.000	37.500	43.000	0	0	0.00%
S331-173	HARDNESS	mg/L CaCO3	35	02JUL2001 - 23APR2002	9	229.533	12.824	217.600	219.700	225.200	239.700	253.500	0	0	0.00%
S331-173	TEMP	CENT	7	22MAY2001 - 23APR2002	24	25.622	2.431	22.590	23.735	25.345	26.910	31.300	0	0	0.00%
S331-173	ALKALINITY	mg/L	67	22MAY2001 - 23APR2002	24	222.785	23.690	185.700	212.100	220.570	227.290	288.700	0	0	0.00%
S331-173	SALINITY	UNITS	98	23OCT2001 - 18DEC2001	4	0.258	0.022	0.230	0.240	0.260	0.275	0.280	0	0	0.00%
S331-173	TN	mg N/L	80	22MAY2001 - 23APR2002	24	1.045	0.140	0.825	0.935	1.037	1.147	1.405	0	0	0.00%
S331-173	NOX	mg N/L	18;180	22MAY2001 - 23APR2002	22	0.025	0.023	0.004	0.012	0.020	0.033	0.111	0	0	0.00%
S331-173	NO2	mg N/L	19	22MAY2001 - 23APR2002	24	0.004	0.000	0.004	0.004	0.004	0.004	0.006	0	0	0.00%
S331-173	NO3	mg N/L	78	22MAY2001 - 23APR2002	22	0.025	0.022	0.004	0.012	0.020	0.033	0.105	0	0	0.00%
S331-173	NH4	mg N/L	20	22MAY2001 - 23APR2002	24	0.267	0.105	0.010	0.187	0.309	0.349	0.408	0	0	0.00%
S331-173	UN-IONIZED AMMONIA	mg/L	NONE	22MAY2001 - 23APR2002	24	0.0036	0.0015	0.0014	0.0026	0.0032	0.0045	0.0074	0	0	0.00%
S331-173	NNH4	mg N/L	92	22MAY2001 - 23APR2002	22	0.297	0.097	0.058	0.208	0.343	0.368	0.412	0	0	0.00%
S331-173	ORGN	mg N/L	79	22MAY2001 - 23APR2002	24	0.755	0.178	0.531	0.616	0.703	0.815	1.166	0	0	0.00%
S331-173	TKN	mg N/L	21	22MAY2001 - 23APR2002	24	1.022	0.146	0.778	0.900	1.021	1.111	1.364	0	0	0.00%
S331-173	OPO4	mg P/L	23	22MAY2001 - 23APR2002	24	0.004	0.000	0.004	0.004	0.004	0.004	0.005	0	0	0.00%
S331-173	TP	mg P/L	25	22MAY2001 - 23APR2002	24	0.007	0.002	0.004	0.006	0.006	0.008	0.012	0	0	0.00%
S331-173	DIS. CA	mg/L	30	02JUL2001 - 23APR2002	9	78.710	2.945	73.881	76.747	78.655	80.952	82.678	0	0	0.00%
S331-173	DIS. K	mg/L	29	02JUL2001 - 23APR2002	9	2.373	0.233	1.967	2.250	2.279	2.555	2.679	0	0	0.00%
S331-173	DIS. MG	mg/L	31	02JUL2001 - 23APR2002	9	8.016	1.861	5.612	7.175	7.448	9.486	11.433	0	0	0.00%
S331-173	DIS. NA	mg/L	28	02JUL2001 - 23APR2002	9	29.207	5.302	23.303	26.615	27.978	33.329	39.648	0	0	0.00%
S331-173	TOT. CL	mg/L	32	22MAY2001 - 23APR2002	24	44.451	8.751	33.130	38.920	41.865	46.310	66.170	0	0	0.00%
S331-173	TOT. SO4	mg/L	33	02JUL2001 - 09APR2002	8	2.749	1.571	1.020	1.355	2.425	4.260	4.890	0	0	0.00%
S331-173	DIS. SILICA	mg/L	27	02JUL2001 - 09APR2002	8	7.115	0.719	6.180	6.572	7.143	7.423	8.463	0	0	0.00%
S331-173	TOT. METHY HG	ng/L	203	25JUL2001 - 15APR2002	4	0.039	0.019	0.022	0.024	0.035	0.054	0.063	0	0	0.00%
S331-173	OXY. RED. POT	mili vol	65	23OCT2001 - 23OCT2001	1	252.000		252.000	252.000	252.000	252.000	252.000	0	0	0.00%
S332D	DO	mg/L	8	03MAY2001 - 24APR2002	50	2.431	1.950	0.220	0.750	2.010	3.570	7.920	0	45	90.00%
S332D	FLDCOND	UMHOS/CM	9	03MAY2001 - 24APR2002	50	540.290	40.086	441.000	524.000	536.500	565.000	636.000	0	0	0.00%
S332D	PH	UNITS	10	03MAY2001 - 24APR2002	51	7.296	0.262	6.880	7.140	7.230	7.370	8.120	0	0	0.00%
S332D	TURBIDITY	NTU	12	23MAY2001 - 24APR2002	19	1.867	1.240	0.759	1.030	1.240	2.500	5.050	0	0	0.00%
S332D	TSS	mg/L	16	23MAY2001 - 24APR2002	19	1.526	0.917	1.000	1.000	1.200	1.800	5.000	0	0	0.00%
S332D	COLOR	UNITS	13	23MAY2001 - 24APR2002	19	19.895	7.964	1.000	15.000	18.000	26.000	34.000	0	0	0.00%
S332D	HARDNESS	mg/L CaCO3	35	18JUL2001 - 24APR2002	9	221.889	7.174	216.700	217.300	217.900	225.100	236.400	0	0	0.00%
S332D	TEMP	CENT	7	03MAY2001 - 24APR2002	51	25.288	1.687	21.600	24.340	25.410	26.390	29.520	0	0	0.00%
S332D	ALKALINITY	mg/L	67	23MAY2001 - 24APR2002	18	211.169	12.619	189.000	207.900	212.210	213.600	246.500	0	0	0.00%
S332D	SALINITY	UNITS	98	05DEC2001 - 02JAN2002	2	0.275	0.007	0.270	0.270	0.275	0.280	0.280	0	0	0.00%
S332D	TN	mg N/L	80	23MAY2001 - 24APR2002	19	0.828	0.116	0.671	0.756	0.809	0.873	1.124	0	0	0.00%
S332D	NOX	mg N/L	18;180	23MAY2001 - 24APR2002	19	0.040	0.037	0.004	0.016	0.024	0.058	0.141	0	0	0.00%
S332D	NO2	mg N/L	19	23MAY2001 - 24APR2002	19	0.004	0.001	0.004	0.004	0.004	0.004	0.009	0	0	0.00%
S332D	NO3	mg N/L	78	23MAY2001 - 24APR2002	19	0.038	0.035	0.004	0.016	0.024	0.054	0.132	0	0	0.00%

**Table 3.** (Cont'd.) Summary statistics of non-ECP water quality monitoring data (physical parameters, nutrients, major ions, trace metals) collected during WY02 (May 1, 2001 through April 30, 2002). Table 3 continues through page A-8B-1b-28

STATION	TEST NAME	UNITS	LAB NUMBER	PERIOD OF RECORD	# OF SAMPLES	MEAN	STD	MIN	Q25	MEDIAN	Q75	MAX	# BELOW DETECTION LIMIT	# OF EXCURSIONS	% EXCURSIONS
S332D	NH4	mg N/L	20	23MAY2001 - 24APR2002	19	0.216	0.083	0.038	0.170	0.213	0.284	0.340	0	0	0.00%
S332D	UN-IONIZED AMMONIA	mg/L	NONE	03MAY2001 - 24APR2002	19	0.0026	0.0009	0.0012	0.0018	0.0025	0.0032	0.0044	0	0	0.00%
S332D	NNH4	mg N/L	92	23MAY2001 - 24APR2002	19	0.256	0.075	0.054	0.226	0.274	0.311	0.349	0	0	0.00%
S332D	ORGN	mg N/L	79	23MAY2001 - 24APR2002	19	0.572	0.132	0.381	0.504	0.521	0.662	0.898	0	0	0.00%
S332D	TKN	mg N/L	21	23MAY2001 - 24APR2002	19	0.788	0.131	0.586	0.689	0.790	0.864	1.110	0	0	0.00%
S332D	OPO4	mg P/L	23	23MAY2001 - 24APR2002	19	0.004	0.000	0.004	0.004	0.004	0.004	0.004	0	0	0.00%
S332D	TP	mg P/L	25	03MAY2001 - 24APR2002	52	0.006	0.002	0.004	0.005	0.006	0.007	0.014	0	0	0.00%
S332D	DIS. CA	mg/L	30	18JUL2001 - 24APR2002	9	79.049	1.921	77.018	77.810	78.351	79.881	82.100	0	0	0.00%
S332D	DIS. K	mg/L	29	18JUL2001 - 24APR2002	8	2.455	0.298	2.106	2.187	2.404	2.737	2.883	0	0	0.00%
S332D	DIS. MG	mg/L	31	18JUL2001 - 24APR2002	9	6.388	1.224	4.969	5.454	6.193	7.040	8.973	0	0	0.00%
S332D	DIS. NA	mg/L	28	18JUL2001 - 24APR2002	8	25.894	3.600	21.850	23.254	25.091	27.833	32.945	0	0	0.00%
S332D	TOT. CL	mg/L	32	23MAY2001 - 24APR2002	19	40.172	4.756	34.480	38.070	38.860	41.250	52.930	0	0	0.00%
S332D	TOT. SO4	mg/L	33	10OCT2001 - 10OCT2001	1	4.370		4.370	4.370	4.370	4.370	4.370	0	0	0.00%
S332D	DIS. SILICA	mg/L	27	10OCT2001 - 10OCT2001	1	6.093		6.093	6.093	6.093	6.093	6.093	0	0	0.00%
S332D	TOT. FE	mg/L	177	18JUL2001 - 24APR2002	5	0.293	0.135	0.197	0.206	0.261	0.275	0.527	0	0	0.00%
S332D	TOT. CD	ug/L	103	25JUL2001 - 14JAN2002	2	0.253	0.066	0.206	0.206	0.253	0.300	0.300	0	0	0.00%
S332D	TOT. CU	ug/L	104	25JUL2001 - 14JAN2002	2	1.147	0.075	1.094	1.094	1.147	1.200	1.200	0	0	0.00%
S332D	TOT. MTHY HG	ng/L	203	25JUL2001 - 15APR2002	4	0.029	0.009	0.022	0.023	0.025	0.035	0.042	0	0	0.00%
S332D	TOT. ZN	ug/L	105	25JUL2001 - 14JAN2002	2	2.092	2.699	0.183	0.183	2.092	4.000	4.000	0	0	0.00%