



Pigeon Lake
2004-2005 Water Quality Study Report

**Pigeon Lake Water Quality Data
07/05/2005 - 11/11/2005**

Measured and Compiled by:

**Pigeon Lake Sportsman's Club
Water Quality Assessment Committee**

Chairman - Jack Clarke

Members - Toni Pontar

John Kocourek

Julian Jetzer

Rick Entringer

Larry Schoenberger

Kathy Hayner

SITE #1		GPS#1 - N43deg-59.108 - W87deg-52.335																							
SITE #2		GPS#2 - N43deg-59.262 - W47deg-52.329																							
SITE #3		GPS#3 - N43deg-59.330 - W87deg-52.468																							
AS OF: NOVEMBER 14, 2005																									
SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1	
2005	07/05	07/05	07/11	07/11	07/19	07/19	07/25	07/25	2005	08/02	08/02	08/08	08/08	08/15	08/15	08/22	08/22	08/29	08/29	2005	09/06	09/06	09/12	09/12	
DEPTH:	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	DEPTH:	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	DEPTH	TEMP	DO	TEMP	DO	
0	73.3	8.25	76.9	8.79	77.9	8.86	78.5	8.02	0	80.9	8.73	78.4	7.84	75.3	7.99	74.8	7.84	73.8	8.4	0	73	7.87	74.8	8.41	
3	73.9	8.20	76.8	8.10	78.4	8.5	79	8.19	3	80.9	8.47	78.4	8.04	75.4	7.76	74.3	7.78	73.9	8.08	3	73.1	8.17	74.8	8.35	
6	73.9	7.89	76.5	7.95	78.7	8.39	79.1	7.56	6	79.8	8.97	78.5	8.09	75.3	7.99	74.3	7.54	73.9	8.01	6	73	7.92	74.8	8.21	
9	73.9	7.65	75.7	8.65	79	7.56	79	7.64	9	78.2	8.7	78.4	8.04	75.3	7.88	74.3	7.82	73.9	8.02	9	73.1	8.04	74	8.14	
12	73.5	7.05	73.6	8.26	76.2	9.63	77.7	7.00	12	77.4	8.79	77.9	7.27	74.9	7.52	74.4	7.68	73.5	7.72	12	73	7.94	73.2	8.11	
15	66.2	9.98	66.6	9.06	70.4	10.55	70	8.57	15	71	9.59	73.2	8.68	74	6.74	73.6	7.65	72.2	7.42	15	72.4	7.08	72.6	7.55	
18	59.7	9.20	60.1	10.19	63.1	9.55	66	8.84	18	61.4	9.66	64.2	9.84	65.4	9.48	67.2	8.65	68.3	7.68	18	68.6	7.44	69.4	7.29	
21	54.1	7.48	54.6	7.85	56.1	7.99	56	7.89	21	57.6	9	57.8	8.95	58.5	8.83	58.7	6.59	60	7.91	21	61.3	7.27	62.7	6.88	
24	49.6	5.57	50.6	5.23	52.1	5.44	52.7	6.66	24	51.3	7.57	51.5	7.79	51.5	7.35	52.8	6.78	53.3	8.45	24	54.1	7.61	55	8.89	
27	46.3	1.32	47.7	1.71	48.8	0.69	48.5	0.92	27	47.2	0.10	47.6	0.13	48.2	0.4	48.3	0.13	47.7	0.77	27	49.3	6.32	49.2	5.72	
30	44.9	0.12	44.9	0.12	46.5	0.12	46.1	0.10	30	45.3	0.53	45.1	0.48	45.6	0.7	46.4	0.57	46	0.73	30	46.6	0.53	46.5	0.55	
33	43.5	0.08	44	0.07	44.9	0.08	44.6	0.10	33	44.4	0.45	43.7	0.33	43.8	0.5	44.4	0.47	44.5	0.61	33	44.6	0.41	44.9	0.46	
36	42.6	0.08	43.3	0.08	44	0.07	43.5	0.07	36	43.3	0.4	42.5	0.3	43.2	0.4	43.2	0.4	43.3	0.47	36	43.3	0.34	43.4	0.37	
39	42.1	0.04	42.8	0.07	43.5	0.07	43	0.06	39	47.4	0.37	42.1	0.27	42.4	0.38	42.4	0.4	42.8	0.42	39	42.6	0.31	42.8	0.35	
42	41.8	0.05	42.3	0.05	43	0.07	42.6	0.06	42	42.1	0.34	41.9	0.28	41.9	0.37	42	0.36	42.2	0.41	42	42.2	0.29	42.4	0.34	
45			41.9	0.05					45	41.5	0.32	41.5	0.24	41.7	0.33	41.7	0.36	41.9	0.4	45	41.7	0.28	42.1	0.32	
NOTE: Cannot Support Life																									
SECCHI	5'		6'				8.5'			7.75'		8.25'		8'		7.5'				9'		8'		9'	
thermocline	27'		24'		24'		27'			27'		27'		27'		27'		27'			28'		28'		
AS OF: NOVEMBER 14, 2005																									
SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2	
2005	07/05	07/05	07/11	07/11	07/19	07/19	07/25	07/25	2005	08/02	08/02	08/08	08/08	08/15	08/15	08/22	08/22	08/29	08/29	2005	09/06	09/06	09/12	09/12	
DEPTH:	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	DEPTH:	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	DEPTH	TEMP	DO	TEMP	DO	
0	73.5	8.20	77.2	7.79	78.7	8.70	78.1	8.78	0	81.9	9.2	78.6	8.13	75.4	8.04	74.2	7.81	73.8	8.4	0	73.4	8.2	74.9	8.03	
3	73.8	8.04	77.1	7.28	79.4	8.85	78.6	8.47	3	81.8	8.77	78.6	8.1	75.4	8	74.2	7.49	73.9	8.08	3	73.4	8.28	74.9	8.2	
6	73.9	7.26	76.9	8.13	79.6	8.46	78.8	8.09	6	80.7	8.64	78.6	8.1	75.4	7.35	74.3	7.74	73.9	8.01	6	73.4	8.3	74.9	7.8	
9	73.8	7.56	75.7	7.32	79.6	8.36	78.7	7.88	9	77.8	8.32	78.5	7.5	75.4	7.59	74.4	7.43	73.9	8.02	9	73.4	8.24	74.2	7.77	
12	72.7	7.27	73.3	8.09	75.8	9.43	77.5	7.34	12	76.3	8.4	77.9	7.51	75.3	7.81	74.3	7.4	73.5	7.72	12	73.4	8.09	73.4	7.35	
15	66.7	9.48	67.3	8.45	69.5	9.94	68.7	9.22	15	73.6	8.72	73.6	8.39	73.4	7.64	73.6	7.28	72.2	7.42	15	73	7.67	72.4	6.91	

18	59.2	7.21	60.8	8.75	63.4	8.91	63.4	8.70	18	63.7	9.77	65.7	9.55	66.7	9.1	67	8.42		68.3	7.68	18	69.2	7.5	69.1	6.93
21	55.3	7.39	54.8	6.64	56.8	7.66	56.6	7.22	21	56.8	8.73	56.8	8.28	58.7	7.85	59.7	8.15		60	7.91	21	62.3	7.51	61.6	6.76
24	50.9	5.16	50.8	4.21	52.2	5.80	51.4	5.20	24	51.8	6.64	50.8	6.92	52.2	6.78	53.4	7.9		53.3	8.45	24	54.1	7.85	54.6	7.7
27	47.5	1.29	47.5	1.50	48.7	0.84	47.6	0.43	27	47	2.74	47.6	3.09	47.6	4.33	48.1	3.91		47.4	2.77	27	49.2	5.1	50.1	5.83
30	45.2	0.11	45.5	0.10	46.4	0.14	45.6	0.09	30	45.2	0.04	45.7	0.09	45.5	0.73	45.4	0.53		46	0.73	30	46.3	0.5	46.8	1.02
33	44.5	0.05	44.2	0.10	45.0	0.07	44.6	0.03	33	43.8	0.54	43.9	0.43	44.1	0.46	44	0.46		44.5	0.51	33	44.7	0.4	44.9	0.5
36	43.9	0.07	43.1	0.05	43.8	0.04	43.6	0.03	36	42.9	0.49	42.8	0.37	43.1	0.4	43	0.41		43.3	0.47	36	43.3	0.37	43.4	0.43

NOTE: Cannot Support Life

SECCHI	6'		5.5'				10'						8'		8'				9'			8'		7.75'	
thermocline	27'		25'			27'		27'				27'		27'		27'				27'			28'		28'

AS OF: NOVEMBER 14, 2005

SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		SITE #3		
2005	07/05	07/05	07/11	07/11	07/19	07/19	07/25	07/25	2005	08/02/0	08/02/0	08/08	08/08	08/15	08/15	08/22	08/22	08/29	08/29	2005	09/06	09/06	09/12	09/12
DEPTH:	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	DEPTH:	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	DEPTH	TEMP	DO	TEMP	DO
0	73.5	8.01	77.0	8.93	78.2	9.12	78.8	7.90	0	77	8.85	78.8	8	75.6	8.28	74.4	7.44	73.9	8.45	0	73.6	8.43	75.1	8.69
3	73.7	8.09	77.0	8.76	78.8	8.71	79.1	7.74	3	77	8.65	78.8	8.08	75.6	7.96	74.5	7.46	73.9	8.45	3	73.6	8.43	75	8.1
6	73.8	7.94	76.9	8.51	79.2	8.69	79.2	7.82	6	77	8.9	78.8	7.62	75.6	7.87	74.4	7.43	73.9	8.37	6	73.6	8.58	75	7.9
9	73.8	7.28	75.5	8.07	79.4	8.61	78.9	6.93	9	76.2	8.71	78.7	7.9	75.6	7.39	74.4	7.7	73.9	8.29	9	73.6	8.42	74.1	8.13
12	73.3	7.55	73.4	7.79	75.4	9.23	76.6	6.52	12	73.7	8.52	77.6	7.29	75.2	7.08	74.4	7.62	73.5	7.01	12	73	7.66	73.3	7.71
15	66.3	9.76	69.0	7.68	69.0	9.59	70.6	7.01	15	68.4	8.73	72.5	8.88	73.7	7.43	72.4	7.23	72.3	7.49	15	72.5	7.5	72.4	6.22
18	59.1	9.10	60.8	8.48	62.4	8.77	64	8.01	18	59.8	8.26	65.8	9.44	65.8	9.39	66.4	8.52	67.7	7.78	18	68.4	7.5	69	6.86
21	54.2	6.62	54.8	6.65	55.7	6.08	57.8	7.11	21	53.9	5.99	57.4	8.59	58.1	8.36	59.5	8.11	60.3	7.8	21	61.6	7.56	62.4	7.04
24	50.4	4.01	50.6	4.12	52.4	3.42	51.2	3.04	24	48.2	3.57	50.6	3.11	52.4	5.55	53.3	7.19	53	7.4	24	53.9	6.76	53.5	7.29
27	47.3	1.70	47.4	0.59	48.4	0.43	47.9	0.10	27	45.5	0.09	47.2	2.54	47.7	3.23	48.3	3.87	48.6	3.94	27	49.4	5.33	50	6.23
30	45.5	0.13	45.2	0.09	46.6	0.12	45.5	0.07	30	44.7	0.05	45.1	0.47	45.5	0.61	45.4	0.62	46.1	0.6	30	46	0.5	46.4	0.76
33	44.4	0.05	44.5	0.07			44.7	0.06	33	44.5	0.02	44.2	0.32	44.7	0.40	44.6	0.40	45.1	0.51	33	45	0.52	45.1	0.54

NOTE: Cannot Support Life

SECCHI	6'		5'				9'					8.25'		8'		8.25'		9'			8'		7.75'	
thermocline	27'		24'			24'		27'				27'		27'		27'		9'			8'		28'	28'

														- SITE #1 -			
SITE #1	SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		SITE #1		dpth	from strt	from strt
09/19	09/19	09/27	09/27	10/04	10/04	10/10	10/10	10/18	10/18	10/28	10/28	11/11	11/11				
TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO		TEMP CHG	DO CHG	
70.7	7.41	67	7.44	67	8.59	59.9	8.78	57.5	8.85		9.15	48.1	9.99	0	-25.2	1.74	
70.7	7.42	67.1	7.39	66.9	8.64	59.8	8.83	57.5	9.07		8.94	48	9.89	3	-25.9	1.69	
70.8	7.52	67.1	7.3	66.5	8.45	59.8	8.79	57.5	8.77		9.35	47.9	9.27	6	-26	1.38	
70.8	7.54	67.2	6.99	65.6	8.37	59.8	8.47	57.5	8.55		8.88	47.7	9.55	9	-26.2	1.9	
70.8	7.47	67.2	7.18	64.5	7.84	59.8	8.93	57.4	8.82		8.8	47.6	9.49	12	-25.9	2.44	
70.6	7.25	67.2	7.21	63.6	7.76	59.8	8.81	57.4	8.92		8.58	47.6	9.44	15	-18.6	-0.54	
69.5	6.47	66.9	7.01	63.2	7.79	59.8	8.35	57.4	8.99		5.86	47.6	9.56	18	-12.1	0.36	
61.7	6.1	64.4	4.76	62.2	7.3	59.5	8.35	57.4	8.99		0.39	47.6	9.59	21	-6.5	2.11	
55.4	7.41	56.3	7.21	57.3	6.87	58.8	7.95	56.8	8.83		0.38	47.6	9.67	24	-2	4.1	
50	6.59	50.9	6.72	51.1	6.55	52.2	5.32	53.3	4.47		0.33	47.5	9.58	27	1.2	8.26	
46.9	0.63	49.3	4.13	48.1	1.09	48.2	0.67	49.7	0.63			47.5	9.52	30	2.6	9.4	
44.9	0.49	47.8	0.61	45.6	0.63	45.7	0.56	46.1	0.36			47.4	9.35	33	3.9	9.27	
43.6	0.43	45.4	0.46	44	0.5	43.7	0.5	44	0.39			47.3	9.27	36	4.7	9.21	
42.9	0.38	43.9	0.41	42.9	0.41	42.9	0.47	43.1	0.26			47.1	9.19	39	5	9.13	
42.3	0.36	43	0.35	42.5	0.39	42.4	0.46	42.6	0.24			46.9	8.45	42	5.1	8.4	
41.9	0.33	42.4	0.35	42.2	0.35	42.1	0.48	42.1	0.23			46.1	5.73	45			
												42.2	0.86	48			
												41.9	0.69	51			
10.5'		13.5'		12'		12'		20'		15.5'		14'					
	30'		28'		28'		28'		27'		19'		51'				
														- SITE #2 -			
SITE #2	SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		SITE #2		2005	from strt	from strt
09/19	09/19	09/27	09/27	10/04	10/04	10/10	10/10	10/18	10/18	10/28	10/28	11/11	11/11	DEPTH:	TEMP CHG	DO CHG	
TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO				
70.8	7.81	67	7.08	67.4	8.67	59.8	8.52	57.5	8.91		8.83	48.1	10.07	0	-25.4	1.87	
70.9	7.68	67.1	7	67.4	8.66	59.8	8.52	57.5	8.9		8.89	48.1	10	3	-25.7	1.96	
70.9	7.67	67.1	7.15	67.4	8.46	59.8	8.4	57.5	8.77		8.77	48	9.98	6	-25.9	2.72	
70.9	7.68	67.1	6.82	66.4	8.51	59.8	8.15	57.5	8.97		8.81	48	9.96	9	-25.8	2.4	
70.9	7.73	67.1	6.64	64.7	7.81	59.8	8.23	57.4	8.64		8.74	48	9.72	12	-24.7	2.45	
70.6	7.25	67.1	6.66	63.6	7.79	49.7	8.14	57.4	8.86		8.52	48	9.76	15	-18.7	0.28	

**Pigeon Lake Water Quality Chemical Sample Analysis Data
05/05/2004 - 11/11/2005**

Measured and Compiled by:

Northern Environmental

**Pigeon Lake Sportsman's Club
Water Quality Assessment Committee**

Chairman - Jack Clarke

**Members - Toni Pontar
John Kocourek
Julian Jetzer
Rick Entringer
Larry Schoenberger
Kathy Hayner**

Analysis by:

Wisconsin Department of Natural Resources

Sample Collector	Project Code	Sample Depth	DNR Parameter Code	DNR Parameter Description	Result Type	Result value	Result Amt	Units	LOD	LOQ	r Reporting	Upper Rep	Comments/Analysis	Analysis ID
GANSBERG	LPL942		95	CONDUCTIVITY AT 25C	1	423	423	UMHOS/CM						
GANSBERG	LPL942		134	TOTAL DISSOLVED SOLIDS 180 C	1	248	248	MG/L	50	167	1		COMMENTS	2310068
GANSBERG	LPL942		136	TEMPERATURE AT LAB	0	ICED		C					COMMENTS	2310079
GANSBERG	LPL942		403	PH LAB	1	8.08	8.08	SU			0		COMMENTS	2310080
GANSBERG	LPL942		410	ALKALINITY TOTAL CaCO3	1	196	196	MG/L			1	12	COMMENTS	2310068
GANSBERG	LPL942		608	NITROGEN NH3-N DISS	1	0.286	0.286	MG/L	0.015	0.048	1		COMMENTS	2310068
GANSBERG	LPL942		625	NITROGEN Kjeldahl Total	1	1.15	1.15	MG/L	0.14	0.4			COMMENTS	2310072
GANSBERG	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	1	0.154	0.154	MG/L	0.019	0.061		9999999	COMMENTS	2310074
GANSBERG	LPL942		665	PHOSPHORUS TOTAL	1	0.023	0.023	MG/L	0.005	0.016		9999999	COMMENTS	2310073
GANSBERG	LPL942		671	PHOSPHATE ORTHO DISS	2	ND		MG/L	0.002	0.006			COMMENTS	2310075
GANSBERG	LPL942		899	HARDNESS TOTAL RECOVERABLE CALC	1	216	216	MG/L	1.4	4.6		1E+10	COMMENTS	2310076
GANSBERG	LPL942		918	CALCIUM TOTAL RECOVERABLE	1	33.7	33.7	MG/L	0.2	0.7			COMMENTS	2310070
GANSBERG	LPL942		921	MAGNESIUM TOTAL RECOVERABLE	1	32.1	32.1	MG/L	0.2	0.7		1E+11	COMMENTS	2310064
GANSBERG	LPL942		923	SODIUM TOTAL RECOVERABLE	1	4.6	4.6	MG/L	0.1	0.3		1E+11	COMMENTS	2310071
GANSBERG	LPL942		940	CHLORIDE	1	10.5	10.5	MG/L	0.6	2		1E+12	COMMENTS	2310078
GANSBERG	LPL942		32000	SAMPLE SIZE LITERS	F	200	200	ML					COMMENTS	2310065
GANSBERG	LPL942		50245	POTASSIUM TOTAL RECOVERABLE	3	1	1	MG/L	1	3			COMMENTS	2310066
GANSBERG	LPL942		99404	DIG TOTAL REC SW846 3005A	0	COMPLETE						1E+12	COMMENTS	2310077
GANSBERG	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	1	2.73	2.73	UG/L	0.26	0.87			COMMENTS	2310069
GANSBERG	LPL942	M1	95	CONDUCTIVITY AT 25C	1	410	410	UMHOS/CM			1		COMMENTS	2310067
GANSBERG	LPL942	M1	134	TOTAL DISSOLVED SOLIDS 180 C	1	236	236	MG/L	50	167			COMMENTS	2310086
GANSBERG	LPL942	M1	136	TEMPERATURE AT LAB	0	ICED		C			0		COMMENTS	2310097
GANSBERG	LPL942	M1	403	PH LAB	1	8.46	8.46	SU			1	12	COMMENTS	2310098
GANSBERG	LPL942	M1	410	ALKALINITY TOTAL CaCO3	1	192	192	MG/L			1		COMMENTS	2310086
GANSBERG	LPL942	M1	608	NITROGEN NH3-N DISS	3	0.03	0.03	MG/L	0.015	0.048			COMMENTS	2310086
GANSBERG	LPL942	M1	625	NITROGEN Kjeldahl Total	1	0.93	0.93	MG/L	0.14	0.4		9999999	COMMENTS	2310090
GANSBERG	LPL942	M1	631	NITROGEN NO3+NO2 DISS (AS N)	1	0.175	0.175	MG/L	0.019	0.061		9999999	COMMENTS	2310092
GANSBERG	LPL942	M1	665	PHOSPHORUS TOTAL	1	0.021	0.021	MG/L	0.005	0.016		9999999	COMMENTS	2310091
GANSBERG	LPL942	M1	671	PHOSPHATE ORTHO DISS	2	ND		MG/L	0.002	0.006			COMMENTS	2310093
GANSBERG	LPL942	M1	899	HARDNESS TOTAL RECOVERABLE CALC	1	213	213	MG/L	1.4	4.6		1E+10	COMMENTS	2310094
GANSBERG	LPL942	M1	918	CALCIUM TOTAL RECOVERABLE	1	32.7	32.7	MG/L	0.2	0.7			COMMENTS	2310088
GANSBERG	LPL942	M1	921	MAGNESIUM TOTAL RECOVERABLE	1	31.9	31.9	MG/L	0.2	0.7		1E+11	COMMENTS	2310082
GANSBERG	LPL942	M1	923	SODIUM TOTAL RECOVERABLE	1	4.7	4.7	MG/L	0.1	0.3		1E+11	COMMENTS	2310089
GANSBERG	LPL942	M1	940	CHLORIDE	1	10.5	10.5	MG/L	0.6	2		1E+12	COMMENTS	2310096
GANSBERG	LPL942	M1	32000	SAMPLE SIZE LITERS	F	200	200	ML					COMMENTS	2310083
GANSBERG	LPL942	M1	50245	POTASSIUM TOTAL RECOVERABLE	3	1	1	MG/L	1	3			COMMENTS	2310084
GANSBERG	LPL942	M1	99404	DIG TOTAL REC SW846 3005A	0	COMPLETE						1E+12	COMMENTS	2310095
GANSBERG	LPL942	M1	99717	CHLOROPHYLL A, FLUORESCENCE (WE	1	4.33	4.33	UG/L	0.26	0.87			COMMENTS	2310087
PIGEON LAKE (VA	LPL942		136	TEMPERATURE AT LAB	0	ICED		C			0		COMMENTS	2310085
PIGEON LAKE (VA	LPL942		608	NITROGEN NH3-N DISS	3	0.024	0.024	MG/L	0.015	0.048			COMMENTS	2335546
PIGEON LAKE (VA	LPL942		625	NITROGEN Kjeldahl Total	1	1.47	1.47	MG/L	0.14	0.4		9999999	COMMENTS	2335541
PIGEON LAKE (VA	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	2	ND		MG/L	0.019	0.061			COMMENTS	2335543
PIGEON LAKE (VA	LPL942		665	PHOSPHORUS TOTAL	1	0.097	0.097	MG/L	0.005	0.016			COMMENTS	2335542
PIGEON LAKE (VA	LPL942		671	PHOSPHATE ORTHO DISS	1	0.027	0.027	MG/L	0.002	0.006			COMMENTS	2335544
	LPL942	M1	95	CONDUCTIVITY AT 25C	1	378	378	UMHOS/CM					COMMENTS	2335545
	LPL942	M1	134	TOTAL DISSOLVED SOLIDS 180 C	1	216	216	MG/L	50	167	1		COMMENTS	2375056
	LPL942	M1	136	TEMPERATURE AT LAB	0	ICED		C			0		COMMENTS	2375067
	LPL942	M1	403	PH LAB	1	8.7	8.7	SU			1	12	COMMENTS	2375068
	LPL942	M1	410	ALKALINITY TOTAL CaCO3	1	176	176	MG/L			1		COMMENTS	2375056
	LPL942	M1	608	NITROGEN NH3-N DISS	3	0.016	0.016	MG/L	0.015	0.048			COMMENTS	2375056
	LPL942	M1	625	NITROGEN Kjeldahl Total	1	0.84	0.84	MG/L	0.14	0.4		9999999	COMMENTS	2375060
	LPL942	M1	631	NITROGEN NO3+NO2 DISS (AS N)	3	0.057	0.057	MG/L	0.019	0.061		9999999	COMMENTS	2375062
	LPL942	M1	665	PHOSPHORUS TOTAL	1	0.018	0.018	MG/L	0.005	0.016			COMMENTS	2375061
	LPL942	M1	671	PHOSPHATE ORTHO DISS	2	ND		MG/L	0.002	0.006			COMMENTS	2375063
	LPL942	M1	899	HARDNESS TOTAL RECOVERABLE CALC	1	199	199	MG/L	1.4	4.6		1E+10	COMMENTS	2375064
	LPL942	M1	918	CALCIUM TOTAL RECOVERABLE	1	29.9	29.9	MG/L	0.2	0.7			COMMENTS	2375058
	LPL942	M1	918	CALCIUM TOTAL RECOVERABLE	1	29.9	29.9	MG/L	0.2	0.7			COMMENTS	2375052

Sample Collector	Project Code	Sample Depth	DNR Parameter Code	DNR Parameter Description	Result Type	Result value	Result Amt	Units	LOD	LOQ	r Reporting	Upper Rep	Comments/Analysis	Analysis ID
	LPL942	M1	921	MAGNESIUM TOTAL RECOVERABLE	1	30.2	30.2	MG/L	0.2	0.7		1E+11	COMMENTS	2375059
	LPL942	M1	923	SODIUM TOTAL RECOVERABLE	1	4.4	4.4	MG/L	0.1	0.3		1E+12	COMMENTS	2375066
	LPL942	M1	940	CHLORIDE	1	9.7	9.7	MG/L	0.6	2			COMMENTS	2375053
	LPL942	M1	32000	SAMPLE SIZE LITERS	F	200	200	ML					COMMENTS	2375054
	LPL942	M1	50245	POTASSIUM TOTAL RECOVERABLE	2	ND		MG/L	1	3		1E+12	COMMENTS	2375065
	LPL942	M1	99404	DIG TOTAL REC SW846 3005A	0	COMPLETE							COMMENTS	2375057
	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	1	5.9	5.9	UG/L	0.26	0.87			COMMENTS	2375055
	LPL942		95	CONDUCTIVITY AT 25C	1	437	437	UMHOS/CM				1	COMMENTS	2375074
	LPL942		134	TOTAL DISSOLVED SOLIDS 180 C	1	242	242	MG/L	50	167			COMMENTS	2375085
	LPL942		136	TEMPERATURE AT LAB	0	ICED		C				0	COMMENTS	2375086
	LPL942		403	PH LAB	1	7.98	7.98	SU				1	COMMENTS	2375074
	LPL942		410	ALKALINITY TOTAL CACO3	1	203	203	MG/L				12	COMMENTS	2375074
	LPL942		608	NITROGEN NH3-N DISS	1	0.742	0.742	MG/L	0.015	0.048		1	COMMENTS	2375078
	LPL942		625	NITROGEN KJELDAHL TOTAL	1	1.89	1.89	MG/L	0.14	0.4		9999999	COMMENTS	2375080
	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	2	ND		MG/L	0.019	0.061		9999999	COMMENTS	2375079
	LPL942		665	PHOSPHORUS TOTAL	1	0.043	0.043	MG/L	0.005	0.016		9999999	COMMENTS	2375081
	LPL942		671	PHOSPHATE ORTHO DISS	2	ND		MG/L	0.002	0.006		1E+10	COMMENTS	2375076
	LPL942		899	HARDNESS TOTAL RECOVERABLE CAL	1	220	220	MG/L	1.4	4.6			COMMENTS	2375070
	LPL942		918	CALCIUM TOTAL RECOVERABLE	1	35	35	MG/L	0.2	0.7		1E+11	COMMENTS	2375077
	LPL942		921	MAGNESIUM TOTAL RECOVERABLE	1	32.1	32.1	MG/L	0.2	0.7		1E+11	COMMENTS	2375084
	LPL942		923	SODIUM TOTAL RECOVERABLE	1	4.3	4.3	MG/L	0.1	0.3		1E+12	COMMENTS	2375071
	LPL942		940	CHLORIDE	1	10.2	10.2	MG/L	0.6	2			COMMENTS	2375072
	LPL942		32000	SAMPLE SIZE LITERS	F	200	200	ML					COMMENTS	2375083
	LPL942		50245	POTASSIUM TOTAL RECOVERABLE	3	1	1	MG/L	1	3		1E+12	COMMENTS	2375073
	LPL942		99404	DIG TOTAL REC SW846 3005A	0	COMPLETE							COMMENTS	2475190
	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	0	*3.62	3.62	UG/L	0.26	0.87			COMMENTS	2475201
CONE/GRUENEW	LPL942	M1	95	CONDUCTIVITY AT 25C	1	371	371	UMHOS/CM				1	COMMENTS	2475202
CONE/GRUENEW	LPL942	M1	134	TOTAL DISSOLVED SOLIDS 180 C	1	234	234	MG/L	50	167			COMMENTS	2475190
CONE/GRUENEW	LPL942	M1	136	TEMPERATURE AT LAB	0	ICED		C				0	COMMENTS	2475194
CONE/GRUENEW	LPL942	M1	403	PH LAB	1	8.55	8.55	SU				1	COMMENTS	2475196
CONE/GRUENEW	LPL942	M1	410	ALKALINITY TOTAL CACO3	1	176	176	MG/L				12	COMMENTS	2475197
CONE/GRUENEW	LPL942	M1	608	NITROGEN NH3-N DISS	3	0.04	0.04	MG/L	0.015	0.048		9999999	COMMENTS	2475198
CONE/GRUENEW	LPL942	M1	625	NITROGEN KJELDAHL TOTAL	1	0.83	0.83	MG/L	0.14	0.4		9999999	COMMENTS	2475199
CONE/GRUENEW	LPL942	M1	631	NITROGEN NO3+NO2 DISS (AS N)	3	0.036	0.036	MG/L	0.019	0.061		9999999	COMMENTS	2475199
CONE/GRUENEW	LPL942	M1	665	PHOSPHORUS TOTAL	1	0.017	0.017	MG/L	0.005	0.016			COMMENTS	2475197
CONE/GRUENEW	LPL942	M1	671	PHOSPHATE ORTHO DISS	2	ND		MG/L	0.002	0.006		1E+10	COMMENTS	2475198
CONE/GRUENEW	LPL942	M1	899	HARDNESS TOTAL RECOVERABLE CAL	1	200	200	MG/L	1.4	4.6			COMMENTS	2475192
CONE/GRUENEW	LPL942	M1	918	CALCIUM TOTAL RECOVERABLE	1	27.3	27.3	MG/L	0.2	0.7		1E+11	COMMENTS	2475186
CONE/GRUENEW	LPL942	M1	921	MAGNESIUM TOTAL RECOVERABLE	1	32	32	MG/L	0.2	0.7		1E+11	COMMENTS	2475193
CONE/GRUENEW	LPL942	M1	923	SODIUM TOTAL RECOVERABLE	1	4.6	4.6	MG/L	0.1	0.3		1E+12	COMMENTS	2475200
CONE/GRUENEW	LPL942	M1	940	CHLORIDE	1	10.2	10.2	MG/L	0.6	2			COMMENTS	2475187
CONE/GRUENEW	LPL942	M1	32000	SAMPLE SIZE LITERS	F	100	100	ML					COMMENTS	2475188
CONE/GRUENEW	LPL942	M1	50245	POTASSIUM TOTAL RECOVERABLE	3	1	1	MG/L	1	3		1E+12	COMMENTS	2475199
CONE/GRUENEW	LPL942	M1	99404	DIG TOTAL REC SW846 3005A	0	COMPLETE							COMMENTS	2475191
CONE/GRUENEW	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	1	2.3	2.3	UG/L	0.26	0.87		9999999	COMMENTS	2475189
CONE/GRUENEW	LPL942		95	CONDUCTIVITY AT 25C	1	456	456	UMHOS/CM				1	COMMENTS	2475208
CONE/GRUENEW	LPL942		134	TOTAL DISSOLVED SOLIDS 180 C	1	268	268	MG/L	50	167			COMMENTS	2475219
CONE/GRUENEW	LPL942		136	TEMPERATURE AT LAB	0	ICED		C				0	COMMENTS	2475220
CONE/GRUENEW	LPL942		403	PH LAB	1	7.6	7.6	SU				1	COMMENTS	2475208
CONE/GRUENEW	LPL942		410	ALKALINITY TOTAL CACO3	1	217	217	MG/L				12	COMMENTS	2475208
CONE/GRUENEW	LPL942		608	NITROGEN NH3-N DISS	1	1.49	1.49	MG/L	0.015	0.048		9999999	COMMENTS	2475212
CONE/GRUENEW	LPL942		625	NITROGEN KJELDAHL TOTAL	1	1.98	1.98	MG/L	0.14	0.4		9999999	COMMENTS	2475214
CONE/GRUENEW	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	2	ND		MG/L	0.019	0.061		9999999	COMMENTS	2475213
CONE/GRUENEW	LPL942		665	PHOSPHORUS TOTAL	1	0.046	0.046	MG/L	0.005	0.016			COMMENTS	2475215
CONE/GRUENEW	LPL942		671	PHOSPHATE ORTHO DISS	2	ND		MG/L	0.002	0.006		1E+10	COMMENTS	2475216
CONE/GRUENEW	LPL942		899	HARDNESS TOTAL RECOVERABLE CAL	1	234	234	MG/L	1.4	4.6			COMMENTS	2475210

Sample Collector	Project Cod	Sample Depth	DNR Parameter Code	DNR Parameter Description	Result Type	Result value	Result Amt	Units	LOD	LOQ	r Reporting	Upper Rep	Comments/Analysis	Analysis ID
CONE/GRUENEW	LPL942		918	CALCIUM TOTAL RECOVERABLE	1									
CONE/GRUENEW	LPL942		921	MAGNESIUM TOTAL RECOVERABLE	1	38.1	38.1	MG/L	0.2	0.7		1E+11	COMMENTS	2475204
CONE/GRUENEW	LPL942		923	SODIUM TOTAL RECOVERABLE	1	33.8	33.8	MG/L	0.2	0.7		1E+11	COMMENTS	2475211
CONE/GRUENEW	LPL942		940	CHLORIDE	1	4.5	4.5	MG/L	0.1	0.3		1E+12	COMMENTS	2475218
CONE/GRUENEW	LPL942		32000	SAMPLE SIZE LITERS	F	10	10	MG/L	0.6	2			COMMENTS	2475205
CONE/GRUENEW	LPL942		50245	POTASSIUM TOTAL RECOVERABLE	3								COMMENTS	2475206
CONE/GRUENEW	LPL942		99404	DIG TOTAL REC SW846 3005A	0	1	1	MG/L	1	3		1E+12	COMMENTS	2475217
CONE/GRUENEW	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	1	COMPLETE							COMMENTS	2475209
CONE/GRUENEW	LPL942		136	TEMPERATURE AT LAB	0	1.95	1.95	UG/L	0.26	0.87			COMMENTS	2475207
CONE/GRUENEW	LPL942		608	NITROGEN NH3-N DISS	0	ICED		C				9999999	COMMENTS	2475207
CONE/GRUENEW	LPL942		625	NITROGEN KJELDAHL TOTAL	3	0.022	0.022	MG/L	0.015	0.048		0	COMMENTS	2475227
CONE/GRUENEW	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	1	1.71	1.71	MG/L	0.14	0.4		9999999	COMMENTS	2475222
CONE/GRUENEW	LPL942		665	PHOSPHORUS TOTAL	2	ND		MG/L	0.019	0.061		9999999	COMMENTS	2475224
CONE/GRUENEW	LPL942		671	PHOSPHATE ORTHO DISS	1	0.043	0.043	MG/L	0.005	0.016		9999999	COMMENTS	2475223
CONE/GRUENEW	LPL942		136	TEMPERATURE AT LAB	3	0.002	0.002	MG/L	0.002	0.006			COMMENTS	2475225
CONE/GRUENEW	LPL942		608	NITROGEN NH3-N DISS	0	ICED		C				1E+10	COMMENTS	2475226
CONE/GRUENEW	LPL942		625	NITROGEN KJELDAHL TOTAL	1	0.049	0.049	MG/L	0.015	0.048		0	COMMENTS	2475235
CONE/GRUENEW	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	1	0.82	0.82	MG/L	0.14	0.4		9999999	COMMENTS	2475230
CONE/GRUENEW	LPL942		665	PHOSPHORUS TOTAL	2	ND		MG/L	0.019	0.061		9999999	COMMENTS	2475232
CONE/GRUENEW	LPL942		671	PHOSPHATE ORTHO DISS	1	0.016	0.016	MG/L	0.005	0.016		9999999	COMMENTS	2475231
CONE/GRUENEW	LPL942		32000	SAMPLE SIZE LITERS	2	ND		MG/L	0.002	0.006			COMMENTS	2475233
CONE/GRUENEW	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	F	100	100	ML				1E+10	COMMENTS	2475234
CONE/GRUENEW	LPL942		136	TEMPERATURE AT LAB	1	2.33	2.33	UG/L	0.26	0.87			COMMENTS	2475228
CONE/GRUENEW	LPL942		608	NITROGEN NH3-N DISS	0	ICED		C				9999999	COMMENTS	2475229
CONE/GRUENEW	LPL942		625	NITROGEN KJELDAHL TOTAL	1	0.451	0.451	MG/L	0.015	0.048		0	COMMENTS	2475243
CONE/GRUENEW	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	1	1.56	1.56	MG/L	0.14	0.4		9999999	COMMENTS	2475238
CONE/GRUENEW	LPL942		665	PHOSPHORUS TOTAL	2	ND		MG/L	0.019	0.061		9999999	COMMENTS	2475240
CONE/GRUENEW	LPL942		671	PHOSPHATE ORTHO DISS	1	0.045	0.045	MG/L	0.005	0.016		9999999	COMMENTS	2475239
CONE/GRUENEW	LPL942		32000	SAMPLE SIZE LITERS	2	ND		MG/L	0.002	0.006			COMMENTS	2475241
CONE/GRUENEW	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	F	100	100	ML				1E+10	COMMENTS	2475242
MCCONE	LPL942		136	TEMPERATURE AT LAB	1	20.1	20.1	UG/L	0.26	0.87			COMMENTS	2475236
MCCONE	LPL942		608	NITROGEN NH3-N DISS	0	ICED		C				9999999	COMMENTS	2475237
MCCONE	LPL942		625	NITROGEN KJELDAHL TOTAL	0	*0.276	0.276	MG/L	0.015	0.048		0	COMMENTS	2598755
MCCONE	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	1	1.06	1.06	MG/L	0.14	0.4		9999999	COMMENTS	2598750
MCCONE	LPL942		665	PHOSPHORUS TOTAL	1	0.079	0.079	MG/L	0.019	0.061		9999999	COMMENTS	2598752
MCCONE	LPL942		671	PHOSPHATE ORTHO DISS	1	0.018	0.018	MG/L	0.005	0.016		9999999	COMMENTS	2598751
MCCONE	LPL942		32000	SAMPLE SIZE LITERS	2	ND		MG/L	0.002	0.006			COMMENTS	2598753
MCCONE	LPL942		99717	CHLOROPHYLL A, FLUORESCENCE (WE	F	200	200	ML				1E+10	COMMENTS	2598754
MCCONE	LPL942		136	TEMPERATURE AT LAB	0	*4.42	4.42	UG/L	0.26	0.87			COMMENTS	2598748
MCCONE	LPL942		608	NITROGEN NH3-N DISS	0	ICED		C				9999999	COMMENTS	2598749
MCCONE	LPL942		625	NITROGEN KJELDAHL TOTAL	0	*0.256	0.256	MG/L	0.015	0.048		0	COMMENTS	2598761
MCCONE	LPL942		631	NITROGEN NO3+NO2 DISS (AS N)	1	1.04	1.04	MG/L	0.14	0.4		9999999	COMMENTS	2598756
MCCONE	LPL942		665	PHOSPHORUS TOTAL	1	0.073	0.073	MG/L	0.019	0.061		9999999	COMMENTS	2598758
MCCONE	LPL942		671	PHOSPHATE ORTHO DISS	3	0.014	0.014	MG/L	0.005	0.016		9999999	COMMENTS	2598757
PONTAR			136	TEMPERATURE AT LAB	2	ND		MG/L	0.002	0.006			COMMENTS	2598759
PONTAR			665	PHOSPHORUS TOTAL	0	ICED		C				1E+10	COMMENTS	2598760
PONTAR			32000	SAMPLE SIZE LITERS	3	0.014	0.014	MG/L	0.005	0.016		0	COMMENTS	2892617
PONTAR			99717	CHLOROPHYLL A, FLUORESCENCE (WE	F	200	200	ML					COMMENTS	2892616
CLARKE/PONTAR	F3		136	TEMPERATURE AT LAB	1	3.09	3.09	UG/L	0.26	0.87			COMMENTS	2892614
CLARKE/PONTAR	F3		665	PHOSPHORUS TOTAL	1	13	13	C				9999999	COMMENTS	2892615
CLARKE/PONTAR	F3		32000	SAMPLE SIZE LITERS	3	0.013	0.013	MG/L	0.005	0.016		0	COMMENTS	2972110
CLARKE/PONTAR	F3		99717	CHLOROPHYLL A, FLUORESCENCE (WE	F	200	200	ML					COMMENTS	2972109
CLARKE			136	TEMPERATURE AT LAB	1	3.08	3.08	UG/L	0.26	0.87			COMMENTS	2972107
CLARKE			665	PHOSPHORUS TOTAL	0	ICED		C				9999999	COMMENTS	2972108
CLARKE			32000	SAMPLE SIZE LITERS	3	0.015	0.015	MG/L	0.005	0.016		0	COMMENTS	3022077
CLARKE			99717	CHLOROPHYLL A, FLUORESCENCE (WE	F	200	200	ML					COMMENTS	3022076
					1	1.85	1.85	UG/L	0.26	0.87			COMMENTS	3022074
												9999999	COMMENTS	3022075