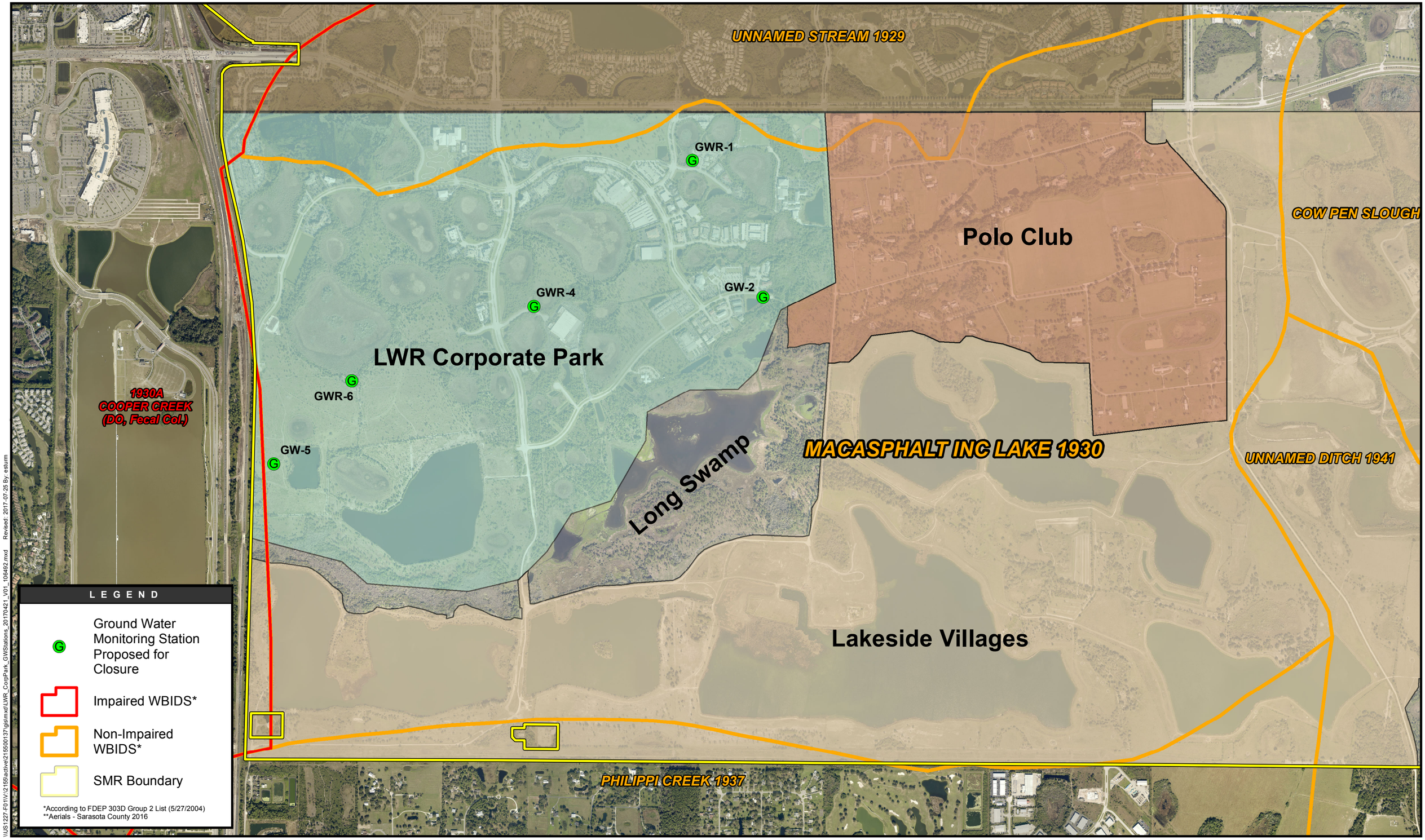

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Stantec

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Lakewood Ranch Corporate Park

Groundwater Monitoring Stations

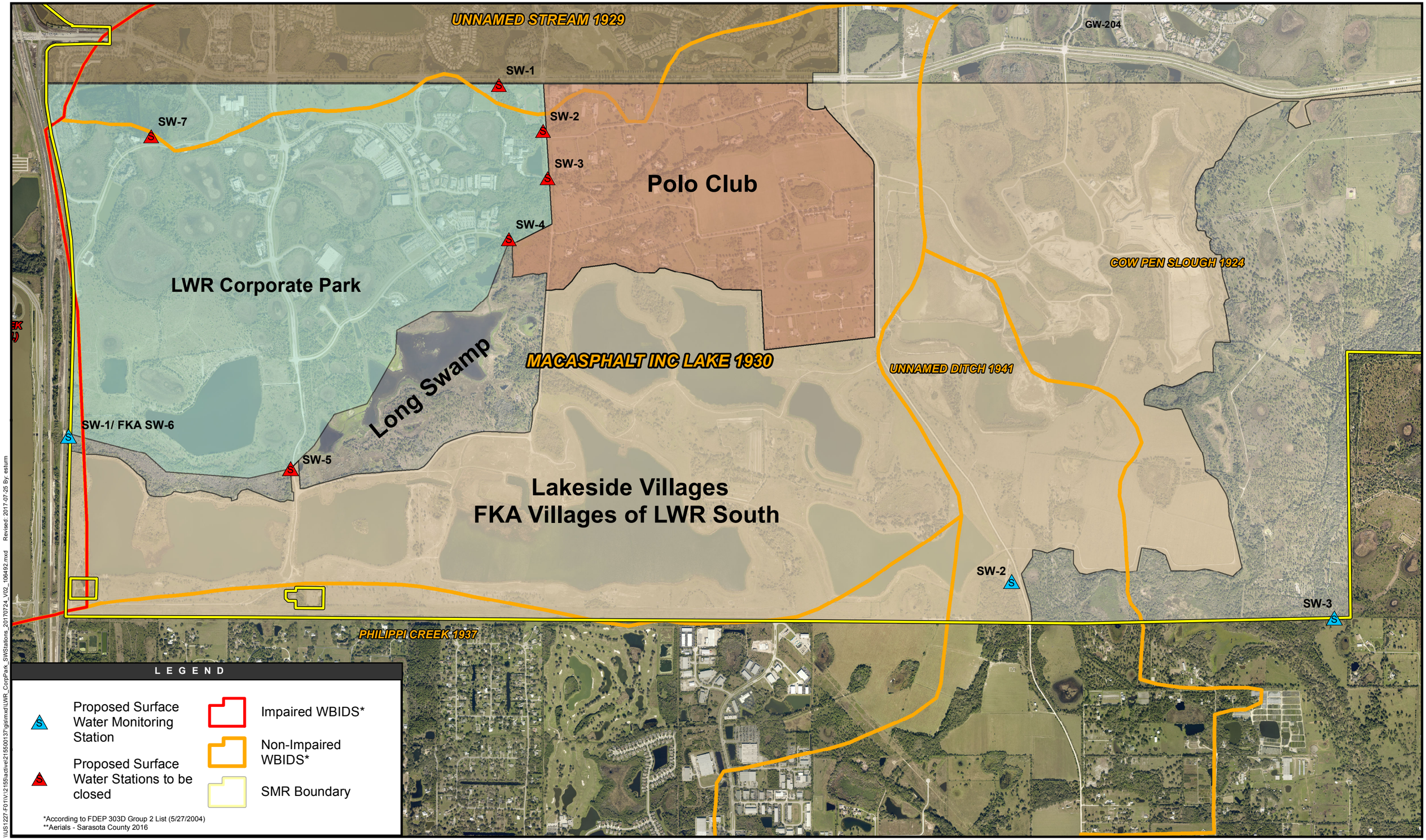
July 2017

Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota, FL 34240
tel 941.907.6900
fax 941.907.6911

N

0 700 1,400 Feet

Prepared by: E.E.S. 04/21/17



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Lakewood Ranch Corporate Park/ Lakeside Villages

Surface Water Monitoring Stations

July 2017

Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota, FL 34240
tel 941.907.6900
fax 941.907.6911

N

0 850 1,700 Feet

Prepared by: E.E.S. 07/24/17

GROUNDWATER CUMULATIVE RESULTS SUMMARY TABLES

LWR Corporate Park

Water Quality Monitoring GW-1

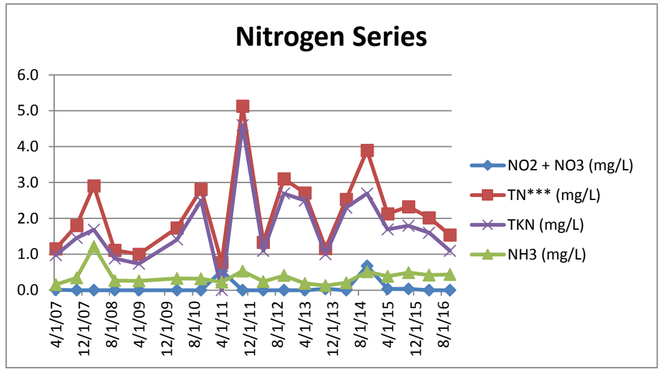
Cumulative Results Summary

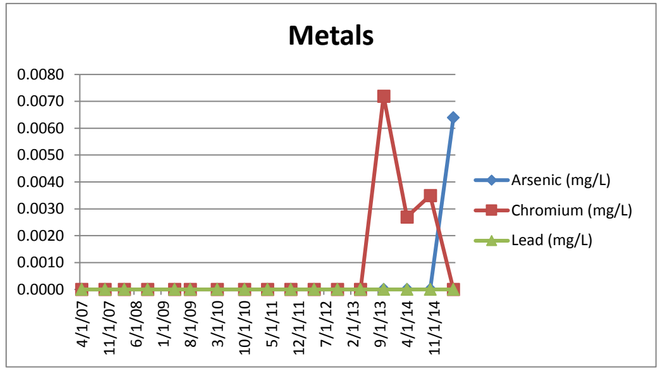
Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	TDS (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	NH3 (mg/L)	TP (mg/L)	OP (mg/L)	O&G (mg/L)	Arsenic (mg/L)	Chromium (mg/L)	Lead (mg/L)
4/16/07	11:43	21.45	6.82	785	0.29	2.39	520	0.016 i	1.156	0.98	0.16	0.057 i	0.032 i	2.6 U	0.0048 U	0.0035 U	0.0044 U
10/10/07	12:29	25.5	6.80	790	0.09	5.40	452	0.016 U	1.81	1.46	0.346	0.015 U	0.022 U	2.5 U	0.0048 U	0.0035 U	0.0044 U
3/24/08	11:30	20.9	6.28	860	0.12	4.35	368	0.016 U	2.91	1.69	1.22	0.054 i	0.022 U	1.0 i	0.0048 U	0.0035 U	0.0044 U
9/30/08	10:30	24.6	6.29	780	0.10	2.09	500	0.016 U	1.111	0.885	0.266	0.034 i	0.022 U	3.16 i	0.0048 U	0.0035 U	0.0044 U
4/20/09	14:18	22.1	6.62	620	0.17	5.61	496	0.03 U	1.004	0.741	0.263	0.061	0.022 U	2.02 i	0.0048 U	0.0035 U	0.0044 U
Aug, 2009	Not Sampled																
3/17/10	13:20	19.9	6.37	740	0.18	26.1	580	0.016 U	1.742	1.41	0.332	0.120	0.022 U	1.33 i	NA	NA	NA
10/6/10	9:48	25.9	6.09	680	0.25	7.00	600	0.016 U	2.82	2.5	0.32	0.100	0.022 U	2.78 i	0.0048 U	0.0035 U	0.0044 U
4/6/11	13:12	21.0	6.44	780	0.19	4.40	650	0.54	0.77	1.7 U	0.23	0.078	0.045 U	1.81 i	NA	NA	NA
10/19/11	10:46	25.1	6.02	810	0.11	3.06	800	0.018 U	5.13	4.6	0.53 v	0.083	0.045 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/18/12	12:31	22.5	6.35	710	0.26	1.97	530	0.018 U	1.34	1.1 i	0.24	0.140	0.045 U	2.06 i	0.0033 U	0.0035 U	0.0029 U
10/11/12	13:30	25.5	6.20	760	0.18	1.39	710	0.018 U	3.11	2.7 i	0.41 v	0.097	0.045 U	0.992 U	0.0033 U	0.0035 U	0.0029 U
4/17/13	13:14	21.7	6.34	660	0.17	4.90	590	0.018 U	2.71	2.5 i, MI	0.19	0.060	0.045 U	2.89 i	0.0033 U	0.0035 U	0.0029 U
10/10/13	9:28	24.9	6.14	850	0.40	3.41	590	0.035	1.17	1.0 i	0.13	0.110	0.045 U	1.80 i	0.0033 U	0.0035 U	0.0029 U
4/2/14	9:44	21.0	6.51	870	0.27	29.8	590	0.018 U	2.53	2.3	0.21	0.072	0.045 U	1.40 U	0.0050 U	0.0020 U	0.0047 U
10/29/14	10:37	24.0	6.44	940	0.19	22.1	682	0.680	3.90	2.7	0.52	0.094	0.017 U	1.1 U	0.0050 U	0.0025 U	0.0050 U
4/8/15	9:53	21.6	6.49	960	0.26	9.11	296	0.041	2.13	1.7	0.39	0.071	0.0034 U	3.7 i	0.0053 U	0.0072 i	0.0085 U
10/8/15	9:48	25.1	6.37	920	0.23	5.05	574	0.039	2.33	1.8	0.49	0.078 i	0.0034 U	1.1 U	0.0050 U	0.0027 i	0.0050 U
4/14/16	9:31	21.9	6.38	870	0.20	11.0	537	0.025 U	2.02	1.6	0.42	0.079 i	0.058	1.1 U	0.0050 U	0.0035 i	0.0050 U
10/26/16	10:46	25.1	6.80	872	0.08	3.86	515	0.025 U	1.54	1.1	0.44	0.090 i	0.076	1.1 U	0.0064 i	0.0025 U	0.0050 U
Mean		**23.1**	**6.41**	**803**	**0.20**	**6.71**	**557**	**0.225**	**2.170**	**1.820**	**0.374**	**0.082**	**0.055**	**2.26**	**0.0064**	**0.0045**	**-**
Standards**		*****	**6.5-8.5**	*****	*****	*****	**500**	**10**	*****	*****	*****	*****	*****	*****	**0.010**	**0.1**	**0.015**

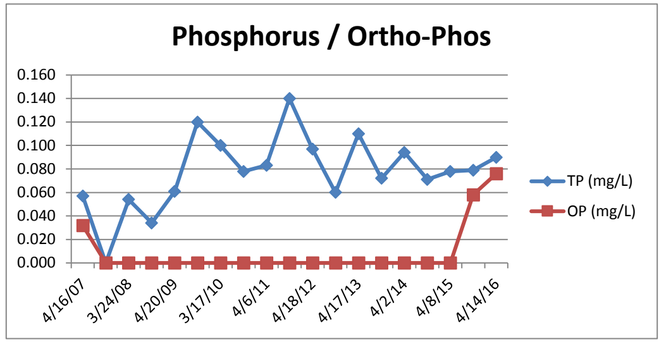
*No applicable standard for groundwater.
**Chapter 62-550,FAC

GW-1 was abandoned on June 26, 2009, and replaced on September 28, 2009. The well was not sampled during the August 2009 sampling event.

U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
i, MI = This sample had an exception for TKN on the MS. The LCS and LCSD were acceptable, so the out of control was attributed to matrix.
NA= Not Analyzed
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)







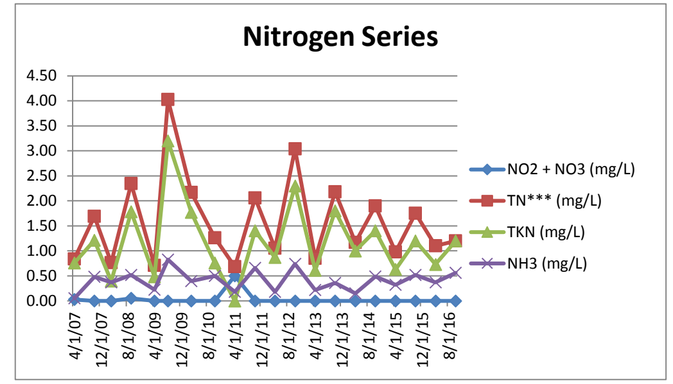
LWR Corporate Park

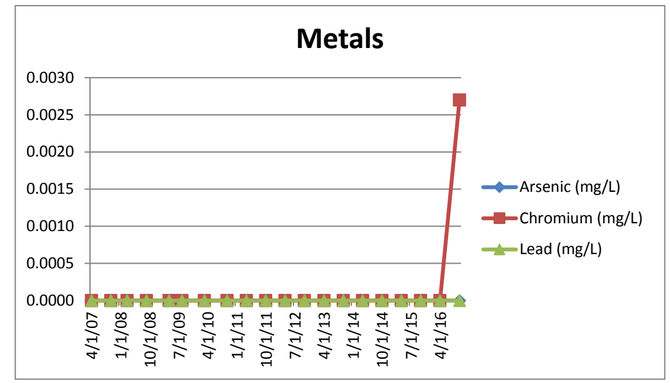
Water Quality Monitoring GW-2

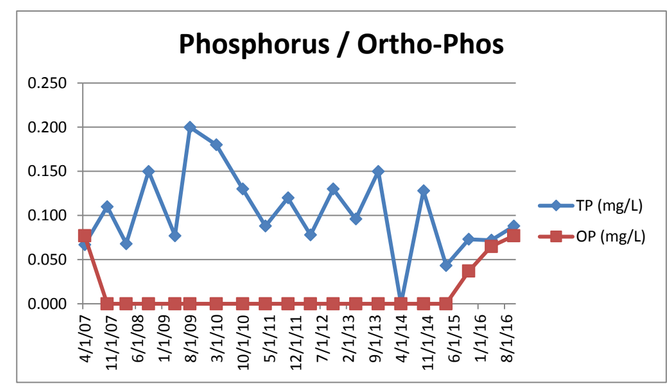
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	TDS (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	NH3 (mg/L)	TP (mg/L)	OP (mg/L)	O&G (mg/L)	Arsenic (mg/L)	Chromium (mg/L)	Lead (mg/L)
4/16/07	10:31	22.46	6.64	424	0.60	1.28	53	0.03 i	0.84	0.76	0.05	0.067	0.077 i	2.7 U	0.0048 U	0.0035 U	0.0044 U
10/10/07	11:44	28.3	6.79	470	0.37	5.11	320	0.016 U	1.69	1.21	0.48	0.11	0.022 U	2.5 U	0.0048 U	0.0035 U	0.0044 U
3/17/08	11:47	23.1	6.42	480	0.48	2.21	332	0.016 U	0.766	0.396	0.37	0.07	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
9/23/08	12:48	27.6	6.65	500	0.14	1.79	320	0.05 i	2.349	1.78	0.519	0.15	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/22/09	11:46	22.2	7.03	450	EM	1.87	348	0.014 U	0.709	0.485	0.224	0.08	0.022 U	1.940 i	0.0048 U	0.0035 U	0.0044 U
8/11/09	14:38	29.3	6.18	450	0.52	4.21	452	0.014 U	4.026	3.2	0.826	0.20	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
3/17/10	13:55	20.5	6.17	380	0.26	4.95	300	0.016 U	2.167	1.77	0.397	0.180	0.022 U	0.992 U	NA	NA	NA
10/6/10	10:35	27.2	6.14	400	0.48	1.56	290	0.016 U	1.26	0.76 i	0.5	0.130	0.022 U	2.37 i	0.0048 U	0.0035 U	0.0044 U
4/6/11	11:05	22.4	6.40	430	0.38	3.41	350	0.502	0.682	1.7 U	0.18	0.088	0.045 U	1.15 i	NA	NA	NA
10/19/11	10:12	27.1	6.09	470	0.22	1.68	370	0.018 U	2.06	1.4 i	0.66 v	0.120	0.045 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/18/12	11:58	23.0	6.70	470	0.24	0.81	290	0.018 U	1.05	0.87 i	0.18 i	0.078	0.045 U	2.08 i	0.0033 U	0.0035 U	0.0029 U
10/11/12	12:40	27.8	5.79	410	0.21	2.60	450	0.018 U	3.04	2.30 i	0.74 v	0.130	0.045 U	8.13	0.0033 U	0.0035 U	0.0029 U
4/24/13	10:21	22.2	6.69	440	0.17	14.8	330	0.018 U	0.85	0.61 i	0.22	0.096	0.045 U	0.992 U	0.0033 U	0.0035 U	0.0029 U
10/9/13	12:34	27.3	6.33	480	0.31	3.01	370	0.018 U	2.18	1.8	0.360	0.150	0.045 U	2.00 i	0.0033 U	0.0035 U	0.0029 U
4/2/14	10:32	22.90	6.59	500	0.33	3.31	250	0.018 U	1.17	1.0 i	0.150	0.014 U	0.045 U	1.40 U	0.0050 U	0.0020 U	0.0047 U
10/28/14	13:12	27.1	6.40	470	0.02	2.85	317	0.012 U	1.90	1.4	0.49	0.128	0.017 U	1.1 U	0.0050 U	0.0025 U	0.0050 U
4/7/15	12:46	24.0	6.71	530	0.28	2.50	305	0.025 U	0.98	0.6	0.32	0.043 i	0.025 U	1.4 U	0.0053 U	0.0042 U	0.0085 U
10/8/15	10:30	27.9	6.57	540	0.46	1.99	326	0.025 U	1.75	1.2	0.52	0.073 i	0.037	1.1 U	0.0050 U	0.0025 U	0.0050 U
4/13/16	13:09	24.4	7.00	500	0.17	2.29	280	0.025 U	1.10	0.73	0.37	0.072 i	0.065	1.1 U	0.0050 U	0.0025 U	0.0050 U
10/25/16	12:32	27.9	6.95	567	0.13	1.12	323	0.025 U	1.20	1.20	0.56	0.088 i	0.077	1.1 U	0.0050 U	0.0027 i	0.0050 U
Mean		**25.2**	**6.51**	**468**	**0.30**	**3.17**	**319**	**0.194**	**1.588**	**1.237**	**0.406**	**0.108**	**0.064**	**2.945**	**-**	**0.0027**	**-**
Standards**		*	**6.5-8.5**	*	*	*	**500**	**10**	*	*	*	*	*	*	**0.010**	**0.1**	**0.015**

*No applicable standard for groundwater.
**Chapter 62-550,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
NA= Not Analyzed
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)







LWR Corporate Park

Water Quality Monitoring GW-4

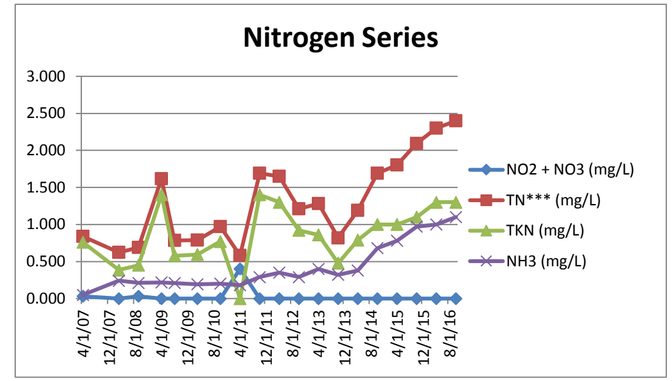
Cumulative Results Summary

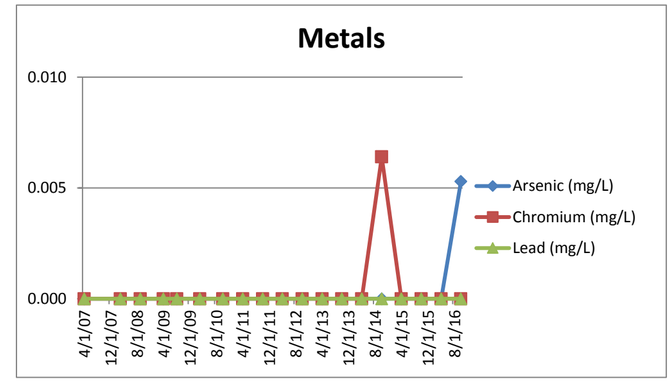
Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	TDS (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	NH3 (mg/L)	TP (mg/L)	OP (mg/L)	O&G (mg/L)	Arsenic (mg/L)	Chromium (mg/L)	Lead (mg/L)
4/16/07	13:18	22.28	6.85	780	0.51	7.22	53	0.030 i	0.84	0.76	0.05	0.067	0.077 i	2.7 U	0.0048 U	0.0035 U	0.0044 U
Oct. 2007	Not Sampled																
3/17/08	12:50	23.4	6.69	430	0.02	1.62	300	0.016 U	0.625	0.385	0.24	0.130	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
9/23/08	10:37	25.4	5.30	380	0.09	1.81	268	0.030 i	0.689	0.448	0.211	0.180	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/22/09	13:41	23.4	7.18	320	0.07	2.14	248	0.014 U	1.619	1.4	0.219	0.160	0.022 U	1.4 i	0.0048 U	0.0035 U	0.0044 U
8/11/09	13:45	26.8	6.89	350	0.35	9.87	236	0.014 U	0.785	0.577	0.208	0.180	0.022 U	1.4 i	0.0048 U	0.0035 U	0.0044 U
3/17/10	11:45	21.8	6.65	350	0.18	1.82	204	0.016 U	0.790	0.596	0.194	0.200	0.022 U	1.74 i	NA	NA	NA
10/5/10	12:05	25.3	6.43	340	0.17	1.92	180	0.016 U	0.97	0.77 i	0.2	0.140	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/6/11	10:18	21.9	6.82	380	0.22	1.14	280	0.401	0.581	1.7 U	0.18	0.180	0.045 U	0.992 U	NA	NA	NA
10/19/11	9:40	25.2	6.40	420	0.19	1.57	300	0.018 U	1.69	1.4 i	0.29 v	0.130	0.045 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/18/12	11:30	23.5	6.49	370	0.27	2.13	250	0.018 U	1.65	1.3 i	0.35	0.180	0.045 U	1.68 i	0.0033 U	0.0035 U	0.0029 U
10/16/12	10:16	25.3	6.02	370	0.24	4.26	260	0.018 U	1.21	0.92 i	0.29	0.210	0.045 U	0.992 U	0.0033 U	0.0035 U	0.0029 U
4/17/13	12:38	23.1	6.55	320	0.17	2.60	230	0.018 U	1.28	0.86 i	0.40	0.200	0.045 U	3.01 i	0.0033 U	0.0035 U	0.0029 U
10/10/13	10:08	24.9	6.42	360	0.41	3.96	240	0.018 U	0.820	0.48 i	0.320	0.190	0.045 U	1.20 i	0.0033 U	0.0035 U	0.0029 U
4/3/14	9:38	22.7	7.02	400	0.18	5.53	200	0.018 U	1.190	0.79 i	0.380	0.140	0.045 U	1.40 U	0.0050 U	0.0020 U	0.0047 U
10/28/14	12:38	25.0	6.97	360	0.03	0.62	208	0.012 U	1.690	1.0	0.68	0.146	0.017 U	1.1 U	0.0050 U	0.0064 i	0.0050 U
4/7/15	12:13	23.3	6.99	370	0.20	4.68	226	0.025 U	1.805	1.0	0.78	0.273	0.068	4.30 i	0.0053 U	0.0042 U	0.0085 U
10/7/15	13:06	25.6	7.03	380	0.15	1.25	214	0.025 U	2.095	1.1	0.97	0.140	0.057	1.1 U	0.0050 U	0.0025 U	0.0050 U
4/13/16	12:37	23.6	7.40	360	0.16	2.01	196	0.025 U	2.300	1.3	1.00	0.190	0.150	1.1 U	0.0050 U	0.0025 U	0.0050 U
10/26/16	10:08	25.3	7.38	375	0.00	1.41	202	0.025 U	2.400	1.3	1.10	0.170	0.150	1.1 U	0.0053 i	0.0025 U	0.0050 U
Mean		**24.1**	**6.71**	**390**	**0.19**	**3.03**	**226**	**0.154**	**1.317**	**0.910**	**0.424**	**0.169**	**0.100**	**2.10**	**0.0053**	**0.0064**	**-**
Standards**		*****	**6.5-8.5**	*****	*****	*****	**500**	**10**	*****	*****	*****	*****	*****	*****	**0.010**	**0.1**	**0.015**

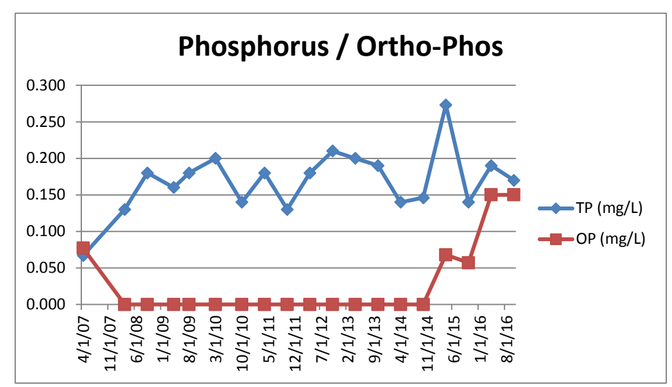
*No applicable standard for groundwater.
**Chapter 62-550,FAC

GW-4 was determined to be destroyed, and a groundwater sample was not collected during the October 2007 sampling event. The completion date of the replacement well was January 29, 2008.

U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
NA= Not Analyzed
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)







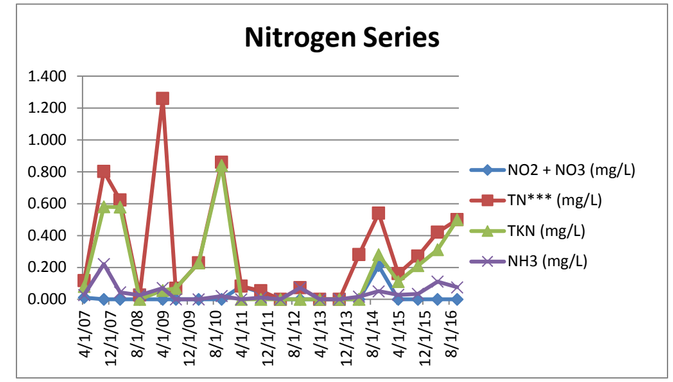
LWR Corporate Park

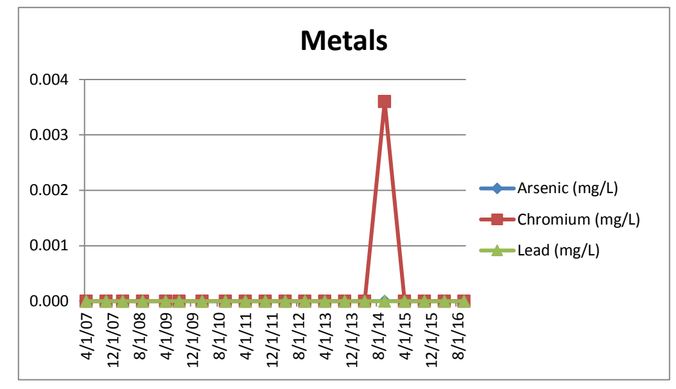
Water Quality Monitoring GW-5

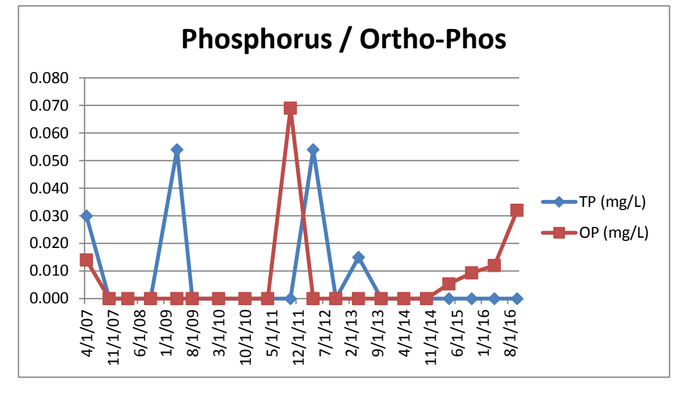
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	TDS (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	NH3 (mg/L)	TP (mg/L)	OP (mg/L)	O&G (mg/L)	Arsenic (mg/L)	Chromium (mg/L)	Lead (mg/L)
4/16/07	12:12	22.0	5.54	110	0.28	2.20	500	0.010 i	0.12	0.080	0.027 i	0.030 i	0.014 i	2.6 U	0.0048 U	0.0035 U	0.0044 U
10/10/07	10:38	26.1	5.17	100	0.53	1.30	36	0.016 U	0.802	0.581	0.221	0.015 U	0.022 U	2.5 U	0.0048 U	0.0035 U	0.0044 U
3/13/08	14:12	22.6	5.25	110	1.57	1.80	72	0.016 U	0.622	0.578	0.044	0.015 U	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
9/23/08	11:16	26.6	5.89	100	0.15	1.27	56	0.03 U	0.026	0.05 U	0.026	0.015 U	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/22/09	10:30	22.5	6.31	170	0.46	3.30	88	0.014 U	1.26	0.056 i	0.07 i	0.054 i	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
8/11/09	10:28	26.6	5.55	110	0.95	1.04	56	0.014 U	0.068	0.068 i	0.024 U	0.015 U	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
3/18/10	10:10	18.9	4.86	70	0.45	1.59	56	0.016 U	0.228	0.228	0.005 U	0.015 U	0.022 U	0.992 U	NA	NA	NA
10/5/10	9:55	26.0	4.70	80	0.25	2.52	44	0.016 U	0.86	0.84 i	0.02 i	0.015 U	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/7/11	11:20	22.0	5.17	80	1.74	2.19	84	0.082	0.082	1.7 U	0.02 U	0.015 U	0.045 U	1.25 i	NA	NA	NA
10/20/11	10:56	25.4	6.93	80	0.17	6.04	86	0.043 i	0.053	0.97 U	0.01 i, v	0.014 U	0.069 i	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/18/12	10:00	23.0	5.01	90	0.46	1.06	68	0.018 U	0.79 U	0.79 U	0.028 U	0.054 i	0.045 U	1.41 i	0.0033 U	0.0035 U	0.0029 U
10/11/12	11:08	26.8	4.66	60	0.28	8.83	96	0.018 U	0.073	0.83 U	0.07 v	0.014 U	0.045 U	1.84 i	0.0033 U	0.0035 U	0.0029 U
4/17/13	10:08	22.9	5.48	60	0.58	2.30	64	0.018 U	0.34 U	0.34 U	0.011 U	0.015 i	0.045 U	0.992 U	0.0033 U	0.0035 U	0.0029 U
10/9/13	10:37	27.0	5.21	100	0.30	0.45	140	0.018 U	0.31 U	0.31 U	0.0076 U	0.014 U	0.045 U	3.50 i	0.0033 U	0.0035 U	0.0029 U
4/2/14	12:31	20.9	5.71	70	1.02	2.58	4.0	0.018 U	0.280	0.49 U	0.017 i	0.014 U	0.045 U	1.40 U	0.0050 U	0.0020 U	0.0047 U
10/28/14	10:07	25.8	4.95	70	0.12	0.44	42.0	0.210	0.54	0.28 i	0.05	0.014 U	0.017 U	1.1 U	0.0050 U	0.0036 i	0.0050 U
4/7/15	11:06	24.0	4.92	100	0.49	0.44	62.0	0.025 U	0.16	0.11 i	0.028 i	0.014 U	0.0053	1.4 U	0.0053 U	0.0042 U	0.0085 U
10/7/15	11:07	28.0	5.25	110	0.21	0.54	82.0	0.025 U	0.27	0.21 i	0.034 i	0.050 U	0.0093	1.1 U	0.0050 U	0.0025 U	0.0050 U
4/13/16	11:30	24.2	5.50	100	0.21	0.77	58.0	0.025 U	0.42	0.31 i	0.110	0.050 U	0.0120	1.1 U	0.0050 U	0.0025 U	0.0050 U
10/25/16	10:41	26.7	6.00	142	0.14	0.67	113.0	0.025 U	0.50	0.50	0.075	0.050 U	0.0320	1.1 U	0.0050 U	0.0025 U	0.0050 U
Mean		**24.4**	**5.40**	**96**	**0.52**	**2.07**	**90**	**0.086**	**0.374**	**0.320**	**0.058**	**0.038**	**0.024**	**2.000**	**-**	**0.0036**	**-**
Standards**		*	**6.5-8.5**	*	*	*	**500**	**10**	*	*	*	*	*	*	**0.010**	**0.1**	**0.015**

*No applicable standard for groundwater.
**Chapter 62-550,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
NA= Not analyzed
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)







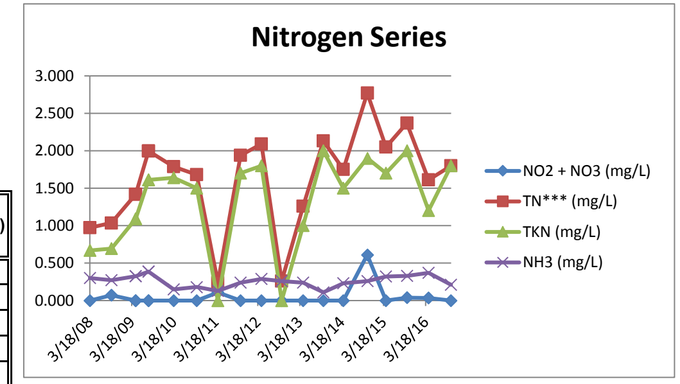
LWR Corporate Park

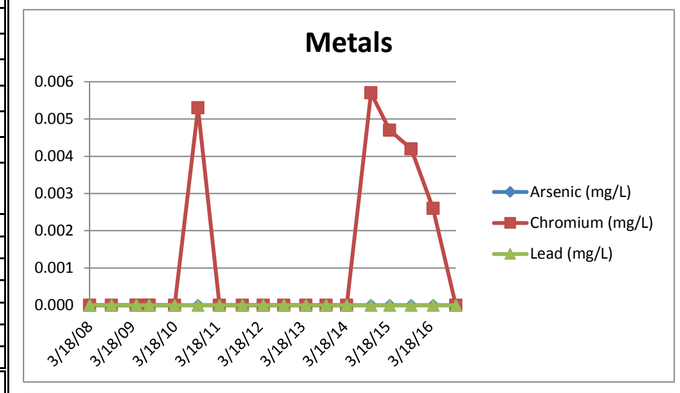
Water Quality Monitoring GW-6

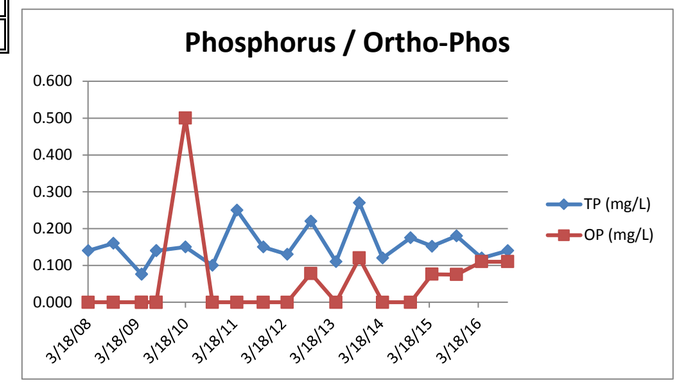
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	TDS (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	NH3 (mg/L)	TP (mg/L)	OP (mg/L)	O&G (mg/L)	Arsenic (mg/L)	Chromium (mg/L)	Lead (mg/L)
3/18/08	13:21	22.0	6.17	490	0.50	8.71	332	0.016 U	0.973	0.671	0.302	0.140	0.022 U	1.16 i	0.0048 U	0.0035 U	0.0044 U
9/23/08	12:00	26.4	6.25	350	0.11	3.28	212	0.070 i	1.036	0.694	0.272	0.160	0.022 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/22/09	11:42	23.1	6.36	660	0.37	29.60	588	0.014 U	1.417	1.09	0.327	0.076	0.022 U	1.28 i	0.0048 U	0.0035 U	0.0044 U
8/11/09	11:46	28.0	6.24	430	0.38	4.78	328	0.014 U	1.996	1.61	0.386	0.140	0.022 U	1.05 i	0.0048 U	0.0035 U	0.0044 U
4/22/09	11:42	23.1	6.36	660	0.37	29.60	588	0.014 U	1.417	1.09	0.327	0.076	0.022 U	1.28 i	0.0048 U	0.0035 U	0.0044 U
8/11/09	11:46	28.0	6.24	430	0.38	4.78	328	0.014 U	1.996	1.61	0.386	0.140	0.022 U	1.05 i	0.0048 U	0.0035 U	0.0044 U
3/17/10	11:00	18.1	5.43	260	0.23	4.49	208	0.016 U	1.788	1.64	0.148	0.150	0.50	2.04 i	NA	NA	NA
10/5/10	11:25	25.7	5.64	330	0.18	2.32	280	0.016 U	1.68	1.5	0.18	0.100	0.022 U	0.992 U	0.0048 U	0.0053 i	0.0044 U
4/7/11	10:28	21.2	6.22	430	0.23	18.6	330	0.11	0.24	1.7 U	0.13	0.250	0.045 U	2.50 i	NA	NA	NA
10/20/11	10:01	24.8	5.69	320	0.14	4.48	270	0.018 U	1.94	1.7 i	0.24 v	0.150	0.045 U	0.992 U	0.0048 U	0.0035 U	0.0044 U
4/18/12	10:51	22.6	5.54	300	0.29	9.77	160	0.018 U	2.09	1.8 i	0.29	0.130	0.045 U	1.68 i	0.0033 U	0.0035 U	0.0029 U
10/11/12	10:25	25.7	4.83	140	0.21	8.81	250	0.018 U	0.26	0.83 U,J	0.26 v	0.220	0.078 i	0.992 U	0.0033 U	0.0035 U	0.0029 U
4/17/13	11:33	22.1	5.50	260	0.20	6.30	220	0.018 U	1.26	1.0 i	0.24	0.110	0.045 U	1.04 i	0.0033 U	0.0035 U	0.0029 U
10/9/13	9:53	25.6	5.09	130	0.36	5.92	190	0.018 U	2.13	2.0	0.110	0.270	0.12 i	3.40 i	0.0033 U	0.0035 U	0.0029 U
4/2/14	11:50	20.9	5.71	280	0.22	3.54	160	0.018 U	1.75	1.5 i	0.230	0.120	0.045 U	1.40 U	0.0050 U	0.0020 U	0.0047 U
10/28/14	11:37	24.2	5.32	160	0.04	3.85	201	0.61	2.77	1.9	0.26	0.175	0.25 U	1.1 U	0.0050 U	0.0057 i	0.0050 U
4/7/15	10:30	22.3	5.49	240	0.68	9.70	238	0.025 U	2.05	1.7	0.32	0.152	0.076	1.4 U	0.0053 U	0.0047 i	0.0085 U
10/7/15	10:14	26.7	5.23	140	0.20	4.32	236	0.040	2.37	2.0	0.33	0.180	0.075	1.1 U	0.0050 U	0.0042 i	0.0050 U
4/13/16	10:56	22.4	5.70	220	0.25	2.17	167	0.035	1.61	1.2	0.37	0.120	0.110	1.1 U	0.0050 U	0.0026 i	0.0050 U
10/25/16	10:02	25.0	5.15	76.9	0.02	2.80	157	0.025 U	1.80	1.8	0.21	0.140	0.110	1.1 U	0.0050 U	0.0025 U	0.0050 U
Mean		**23.9**	**5.71**	**315**	**0.27**	**8.39**	**272**	**0.208**	**1.63**	**1.473**	**0.266**	**0.150**	**0.153**	**1.648**	**-**	**0.0045**	**-**
Standards**		*	**6.5-8.5**	*	*	*	**500**	**10**	*	*	*	*	*	*	**0.010**	**0.1**	**0.015**

*No applicable standard for groundwater.
**Chapter 62-550,FAC
U= Compound was analyzed for but not detected.
U,J = This sample had an exception for TKN on the MS. The LCS and LCSD were acceptable, so the out of control was attributed to the matrix.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
NA= Not Analyzed
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)







SURFACE WATER CUMULATIVE RESULTS SUMMARY TABLES

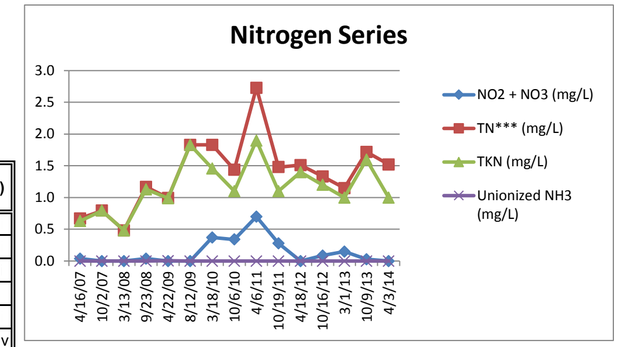
LWR Corporate Park

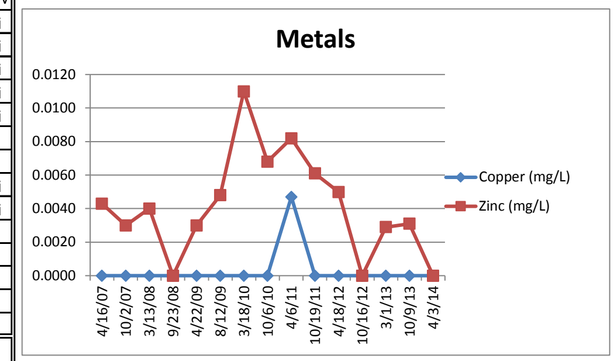
Water Quality Monitoring SW-1

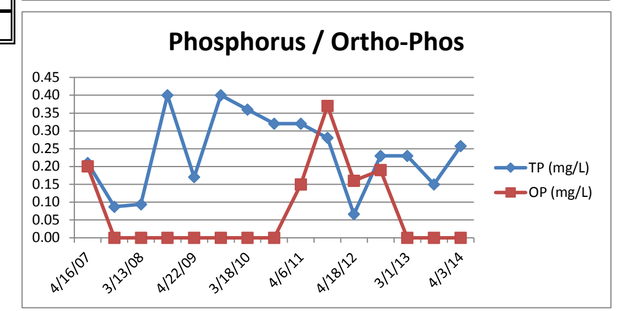
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	14:57	20.39	7.77	409	10.89	1.98	2 U	0.039 i	0.669	0.63	0.005 U	0.21	0.20	5 U	1400	2.7 U	200	0.0019 U	0.0043 i
10/2/07	15:00	26.5	7.55	750	3.34	4.62	2 U	0.016 U	0.794	0.794	0.05 U	0.087	0.022 U	7.0	710	9.6	240	0.0019 U	0.003 i
3/13/08	13:00	21.2	6.72	740	7.65	2.62	2.58	0.016 U	0.484	0.484	0.005 U	0.094	0.022 U	1.3 i	410	0.992 U	260	0.0019 U	0.004 i
9/23/08	13:35	27.1	7.26	790	2.81	3.55	1.19 i	0.040	1.17	1.13	0.005 U	0.400	0.022 U	10.0	1340 B	0.992 U	270	0.0019 U	0.0029 U
4/22/09	14:45	22.4	7.49	800	4.39	7.52	0.966 i	0.014 U	0.995	0.99	0.005 i	0.170	0.022 U	5.7	20 B	0.992 U	270	0.0019 U	0.003 i
8/12/09	12:20	27.4	7.05	610	7.59	12.8	0.711 i	0.014 U	1.83	1.83	0.005 U	0.400	0.022 U	6.5	3000	0.992 U	270	0.0019 U	0.0048 i, v
3/18/10	13:00	17.7	7.59	510	13.15	5.05	1.15 i	0.37	1.83	1.46	0.005 U	0.360	0.022 U	1.4 i	100 B	2.45 i	220	0.0019 U	0.011 i
10/6/10	11:30	21.4	7.11	520	6.94	6.68	1.65 i	0.34	1.44	1.1 i	0.02 U	0.320	0.022 U	26	1600 B	1.24 i	220	0.0019 U	0.0068 i
4/6/11	13:25	20.7	6.82	580	8.56	5.89	1.45 i	0.70	2.73	1.9 i	0.02 U	0.320	0.15 i	4 U	1900 B	0.992 U	230	0.0047 i	0.0082 i
10/19/11	11:00	24.9	6.64	490	3.59	4.12	0.88 i	0.28	1.48	1.1 i	0.0004 U	0.280	0.37	4	640 B	0.992 U	180	0.0039 U	0.0061 i
4/18/12	12:50	24.2	7.32	850	7.42	2.56	0.50 U	0.018 U	1.51	1.4 i	0.0015 i	0.066	0.16 i	6.0	170 B	2.220 i	270	0.0023 U	0.0050 i
10/16/12	11:30	24.3	6.84	460	2.13	4.47	0.69 i	0.09	1.334	1.2 i	0.00040 U	0.230	0.19	2.0 U	800 B	0.992 U	200	0.0023 U	0.0025 U
3/1/13	Not Sampled																		
10/9/13	13:45	25.1	7.36	490	6.17	5.44	2.20	0.15	1.150	1.0 i	0.0011 U	0.230	0.045 U	2.0 U	10 B	2.200 i	160	0.0023 U	0.0029 i
4/3/14	10:10	19.0	7.02	890	7.44	3.36	2.0 U	0.030	1.720	1.6 i	0.0011 U	0.150	0.045 U	8.0	110 B	1.40 U	330	0.0024 U	0.0031 i
10/29/14	10:55	21.1	7.11	790	6.35	2.86	2.0 U	0.25 U	1.520	1.0	0.020 U	0.257	0.25 U	5.0 U	390	1.1 U	366	0.0047 U	0.010 U
4/8/15	No Flow																		
10/8/15	No Flow																		
4/13/16	No Flow																		
10/25/16	No Flow																		
Mean		**22.9**	**7.18**	**645**	**6.56**	**4.90**	**1.35**	**0.226**	**1.38**	**1.17**	**0.003**	**0.238**	**0.214**	**7.59**	**840**	**3.54**	**246**	**0.0047**	**0.0052**
Standards**		*	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*	*	*	*	**≤0.02**	*	*	*	**800**	**5.0**	*	**¥**	**¥**

*No applicable standard for surface water.
**Chapter 62-302,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
B= Results based upon colony counts outside the acceptable range.
L= Off scale high, actual value is known to be greater than the value given.
TN***= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)
¥ Copper standard is dependant on hardness. $Cu \leq e^{(0.8545[\ln H]-1.702)}$
¥ Zinc standard is dependant on hardness. $Zn \leq e^{(0.8473[\ln H]+0.884)}$







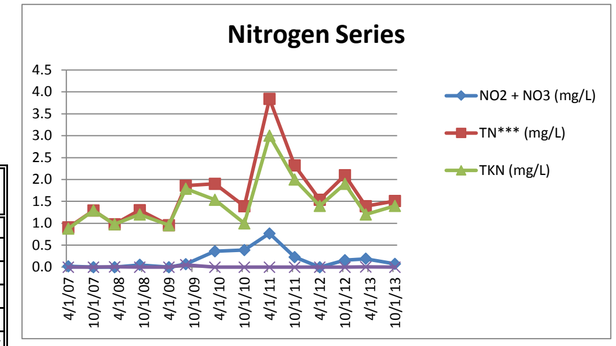
LWR Corporate Park

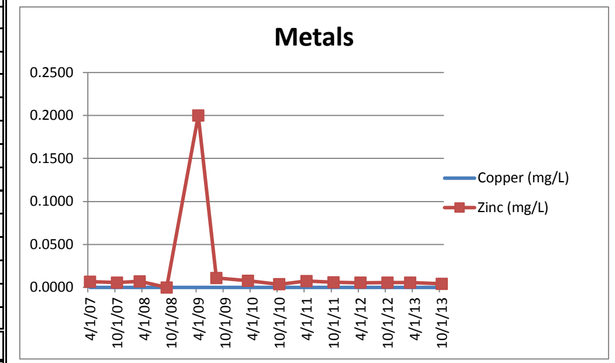
Water Quality Monitoring SW-2

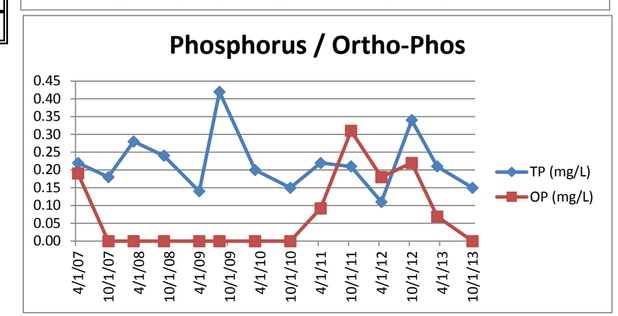
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	14:12	24.34	8.19	753	8.47	2.83	2 U	0.017 i	0.904	0.88	0.007	0.22	0.19	5 U	1820	2.7 U	250	0.0019 U	0.0068 i
10/2/07	13:30	29.3	7.84	840	6.17	4.58	2 U	0.016 U	1.29	1.29	0.05 U	0.18	0.022 U	1.3 U	790	271	270	0.0019 U	0.0056 i
3/17/08	14:20	29.6	7.61	820	13.4	3.89	1.93 i	0.016 U	0.977	0.977	0.05 U	0.28	0.022 U	7.67	200	1.6 i	310	0.0019 U	0.007 i
9/23/08	13:50	30.2	8.71	770	8.21	4.79	0.99 i	0.050 i	1.30	1.20	0.050	0.24	0.022 U	26	1000 B	2.96	260	0.0019 U	0.0029 U
4/22/09	14:30	27.4	7.92	830	8.93	4.16	1.86 i	0.014 U	0.956	0.956	0.005 U	0.14	0.022 U	13.1	500	0.992 U	260	0.0019 U	0.20
8/12/09	12:35	28.9	7.39	660	1.28	4.40	0.52 i	0.070 i	1.86	1.79	0.005 U	0.42	0.022 U	2.89	2600	0.992 U	260	0.0019 U	0.011 i, v
3/18/10	12:30	18.7	7.46	540	14.37	5.81	1.22 i	0.36	1.9	1.54	0.005 U	0.200	0.022 U	2.60	150 B	1.12 i	200	0.0019 U	0.0078 i
10/6/10	11:45	22.8	7.29	520	8.56	5.19	1.12 i	0.39	1.39	1.0 i	0.02 U	0.150	0.022 U	16	1180 B	1.44 i	210	0.0019 U	0.0037 i
4/6/11	13:50	21.3	6.86	500	5.06	2.55	1.30 i	0.77	3.84	3 i	0.02 U	0.220	0.092 i	4 U	1700 B	0.992 U	230	0.0019 U	0.0074 i
10/19/11	12:20	26.5	7.00	470	8.16	5.10	1.13 i	0.23	2.32	2.0 i	0.0004 U	0.210	0.31	24	690 B	0.992 U	160	0.0039 U	0.0060 i
4/18/12	13:00	29.0	7.74	850	9.64	2.23	0.769 i	0.018 U	1.54	1.4 i	0.0062 i	0.110	0.18	14	120 B	1.240 i	260	0.0023 U	0.0054 i
10/16/12	11:46	27.3	6.92	420	4.19	17.0	0.50 U	0.16	2.096	1.9 i	0.00040 U	0.340	0.22	22	1700 B	0.992 U	160	0.0023 U	0.0057 i
3/1/13	Not Sampled																		
10/10/13	10:25	24.5	6.98	490	7.58	12.2	0.70 i	0.19	1.39	1.2 i	0.0011 U	0.210	0.069 i	15	600 B	1.400 i	150	0.0023 U	0.0056 i
4/3/14	10:20	21.8	7.48	870	8.65	4.8	2.0 U	0.073	1.51	1.4 i	0.0011 U	0.150	0.045 U	11	50 B	1.40 U	310	0.0024 U	0.0043 i
10/1/14	No Flow																		
4/8/15	No Flow																		
10/8/15	No Flow																		
4/14/16	No Flow																		
10/25/16	No Flow																		
Mean		**25.8**	**7.53**	**667**	**8.05**	**5.68**	**1.2**	**0.231**	**1.66**	**1.47**	**0.021**	**0.219**	**0.177**	**14.02**	**936**	**40.11**	**235**	**NA**	**0.0213**
Standards**		*	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*	*	*	*	**≤0.02**	*	*	*	**800**	**5.0**	*	**¥**	**¥**

*No applicable standard for surface water.
**Chapter 62-302,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
B= Results based upon colony counts outside the acceptable range.
L= Off scale high, actual value is known to be greater than the value given.
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)
¥ Copper standard is dependant on hardness. $Cu \leq e^{(0.8545[\ln H]-1.702)}$
¥ Zinc standard is dependant on hardness. $Zn \leq e^{(0.8473[\ln H]+0.884)}$







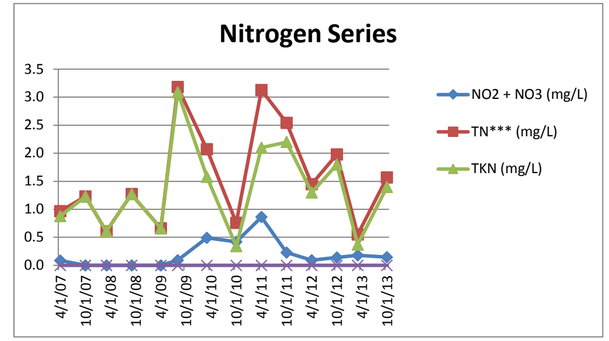
LWR Corporate Park

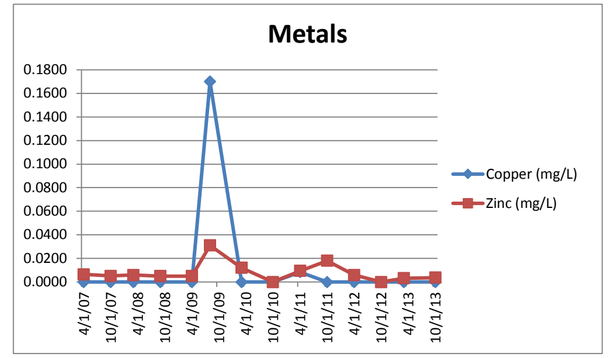
Water Quality Monitoring SW-3

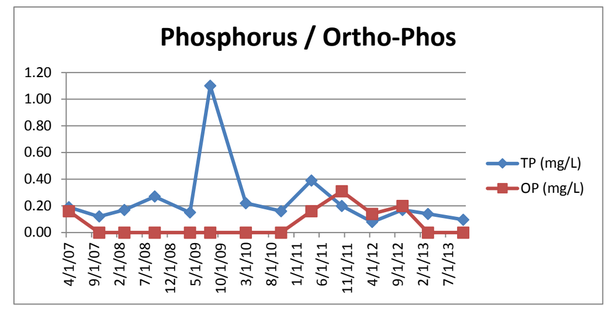
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	14:01	16.72	7.80	767	8.75	12.9	2 U	0.086	0.966	0.88	0.005 U	0.19	0.16	5.3	3300	2.5 U	260	0.0019 U	0.01 i
10/2/07	13:00	24.9	6.88	850	3.76	2.76	2 U	0.016 U	1.23	1.23	0.05 U	0.12	0.022 U	7.0	3800	9	280	0.0019 U	0.005
3/17/08	13:45	22.2	7.26	820	6.52	3.07	0.634 i	0.016 U	0.603	0.603	0.05 U	0.17	0.022 U	1.0 i	5200	0.992 U	330	0.0019 U	0.006 i
9/24/08	11:45	24.5	6.56	880	4.43	7.01	1.42 i	0.03 U	1.27	1.27	0.05 U	0.27	0.022 U	3.2	920 B	1.33 i	280	0.0019 U	0.005 i
4/22/09	14:08	20.6	7.64	790	5.41	3.87	0.93 i	0.014 U	0.661	0.661	0.005 U	0.15	0.022 U	1.1 i	3100	0.992 U	270	0.0019 U	0.005 i
8/12/09	13:20	28.1	7.51	650	1.64	6.24	1.37 i	0.090 i	3.18	3.09	0.005 U	1.10	0.022 U	9.5	2600	1.26 i	270	0.17 v	0.031 v
3/18/10	12:45	16.8	7.66	530	11.25	4.65	1.04 i	0.49	2.07	1.58	0.005 U	0.220	0.022 U	1.0 i	190 B	3.06 i	200	0.0019 U	0.012
10/6/10	11:55	20.7	7.30	520	9.85	6.40	0.65 i	0.42	0.76	0.34 i	0.02 U	0.16	0.022 U	8	2700	0.992 U	230	0.0019 U	0.0029 U
4/6/11	14:00	21.2	6.78	620	8.57	5.17	1.68 i	0.86	3.13	2.1 i	0.02 U	0.390	0.16 i	4 U	2100	0.992 U	220	0.0084	0.0094 i
10/19/11	12:35	25.3	6.95	460	7.62	5.20	1.22 i	0.23	2.54	2.2 i	0.0004 U	0.200	0.31	6	1900 B	0.992 U	170	0.0039 U	0.018
4/18/12	13:15	25.5	7.37	840	7.71	3.62	0.639 i	0.090	1.45	1.3 i	0.0011 U	0.079	0.14 i	16	2300 B	1.430 i	270	0.0023 U	0.0059 i
10/16/12	12:05	25.0	6.90	410	4.19	7.05	1.160 i	0.14	1.981	1.8 i	0.00040 U	0.170	0.20	2.0 U	20000 Z	1.020 i	160	0.0023 U	0.0025 U
3/1/13	Not Sampled																		
10/10/13	10:35	23.5	6.97	470	8.01	8.23	0.680 i	0.18	0.55	0.37 i	0.0011 U	0.140	0.045 U	2.0 U	500 B	1.900 i	140	0.0023 U	0.0032 i
4/3/14	10:30	20.8	7.11	880	5.89	3.78	2.0 U	0.148	1.57	1.4 i	0.0011 U	0.096	0.045 U	2.0 U	400	1.40 U	300	0.0024 U	0.0037 i
10/1/14	No Flow																		
4/8/15	No Flow																		
10/8/15	No Flow																		
4/14/16	No Flow																		
10/25/16	No Flow																		
Mean		**22.6**	**7.19**	**678**	**6.69**	**5.71**	**1.0**	**0.273**	**1.57**	**1.34**	**-**	**0.247**	**0.194**	**5.81**	**3501**	**2.71**	**241**	**0.089**	**0.009**
Standards**		*	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*	*	*	*	**≤0.02**	*	*	*	**800**	**5.0**	*	**¥**	**¥**

*No applicable standard for surface water.
**Chapter 62-302,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
B= Results based upon colony counts outside the acceptable range.
L= Off scale high, actual value is known to be greater than the value given.
Z = Too many colonies were present (TNTC); the numeric value represents the filtration volume.
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)
¥ Copper standard is dependant on hardness. $Cu \leq e^{(0.8545[\ln H]-1.702)}$
¥ Zinc standard is dependant on hardness. $Zn \leq e^{(0.8473[\ln H]+0.884)}$







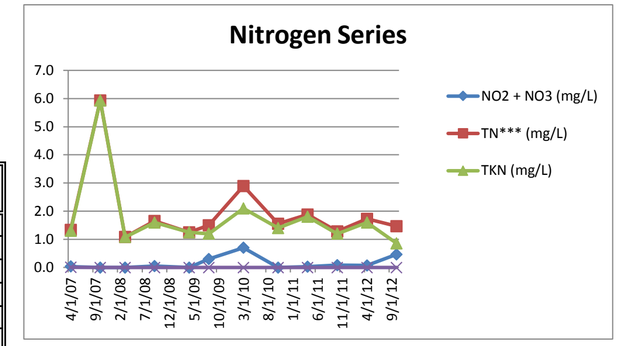
LWR Corporate Park

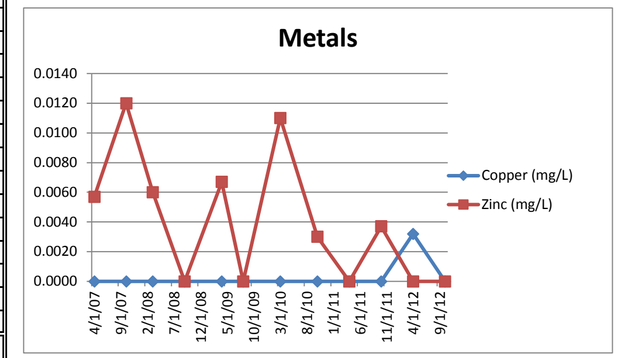
Water Quality Monitoring SW-4

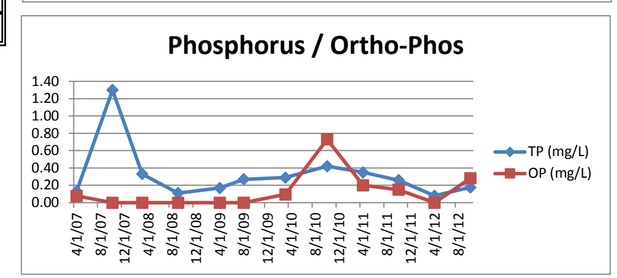
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	14:45	21.1	8.35	800	8.48	3.68	2 U	0.035	1.3405	1.3	0.0055	0.13	0.077 i	10	400	2.5 U	330	0.0019 U	0.0057 i
10/2/07	14:00	26.1	6.25	1430	1.52	60.2	3.2	0.016 U	5.93	5.93	0.05 U	1.30	0.022 U	51	540	9.0	720	0.0019 U	0.012
3/17/08	12:00	22.9	6.96	780	11.68	8.11	1.96 i	0.016 U	1.08	1.08	0.05 U	0.33	0.022 U	17	70	1.2 i	300	0.0019 U	0.006 i
9/23/08	13:20	28.3	7.49	550	6.22	4.26	2.0	0.050	1.65	1.6	0.005 U	0.11	0.022 U	4.2	1050 B	0.992 U	210	0.0019 U	0.0029 U
4/1/09	Not Sampled																		
8/11/09	12:45	28.3	6.69	620	1.88	15.1	0.5 i	0.014 U	1.25	1.25	0.005 U	0.17	0.022 U	0.6 i	190 B	0.992 U	160	0.0019 U	0.0067 i, v
3/1/10	Not Sampled																		
10/6/10	12:15	22.8	7.20	430	7.43	3.36	1.25 i	0.30	1.50	1.2	0.02 U	0.270	0.022 U	8	240	1.13 i	170	0.0019 U	0.0029 U
4/6/11	11:20	18.5	6.67	520	9.60	3.45	1.42 i	0.70	2.89	2.1 i	0.02 U	0.290	0.094 i	4 U	740 B	0.992 U	190	0.0019 U	0.0110 i
10/20/11	12:30	20.7	6.70	440	10.34	2.52	1.02 i	0.018 U	1.55	1.4 i	0.0004 U	0.420	0.73	10	3000	0.992 U	150	0.0039 U	0.0030 i
4/1/12																			
10/11/12	12:50	24.8	6.84	380	5.02	2.55	0.5 U	0.027	1.876	1.8 i	0.00040 U	0.350	0.20	2.0 U	700 B	3.670 i	140	0.0023 U	0.0025 U
3/1/13	Not Sampled																		
10/9/13	12:00	25.0	7.29	440	7.92	3.11	0.55 i	0.080	1.280	1.2 i	0.0011 U	0.260	0.15 i	2.0 U	40 B	1.800 i	140	0.0023 U	0.0037 i
4/2/14	10:42	19.2	6.91	700	5.40	3.91	2.0 U	0.073	1.73	1.6 i	0.0011 U	0.080	0.045 U	4.0	260	1.40 U	250	0.0032 i	0.0024 U
10/28/14	13:20	21.9	6.87	730	6.68	1.44	2.0 U	0.460	1.470	0.86	0.020 U	0.176	0.28 i	5.0 U	340	1.1 U	330	0.0047 U	0.010 U
4/7/15	No Flow																		
10/8/15	10:45	25.7	7.02	490	2.66	1.82	2.0 U	0.079	1.509	1.3	0.020 U	0.31	0.27	5.0 U	180 B	1.1 U	170	0.0025 U	0.010 U
4/13/16	No Flow																		
10/25/16	No Flow																		
Mean		**23.5**	**7.02**	**628**	**6.53**	**8.73**	**1.5**	**0.200**	**1.927**	**1.74**	**0.006**	**0.32**	**0.257**	**13.1**	**596**	**3.4**	**258**	**0.0032**	**0.0069**
Standards**		*****	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*****	*****	*****	*****	**≤0.02**	*****	*****	*****	**800**	**5.0**	*****	**¥**	**¥**

*No applicable standard for surface water.
**Chapter 62-302,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
B= Results based upon colony counts outside the acceptable range.
L= Off scale high, actual value is known to be greater than the given value.
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)
¥ Copper standard is dependant on hardness $Cu \le e^{(0.8545[\ln H]-1.702)}$
¥ Zinc standard is dependant on hardness. $Zn \le e^{(0.8473[\ln H]+0.884)}$







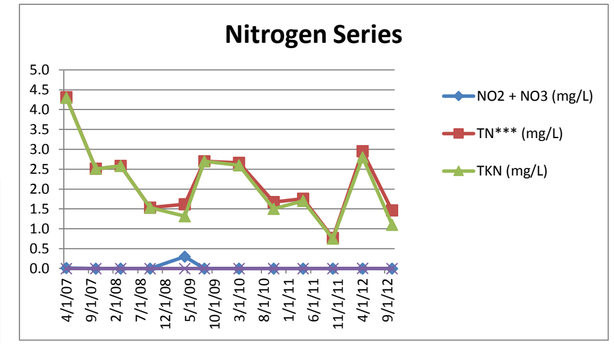
LWR Corporate Park

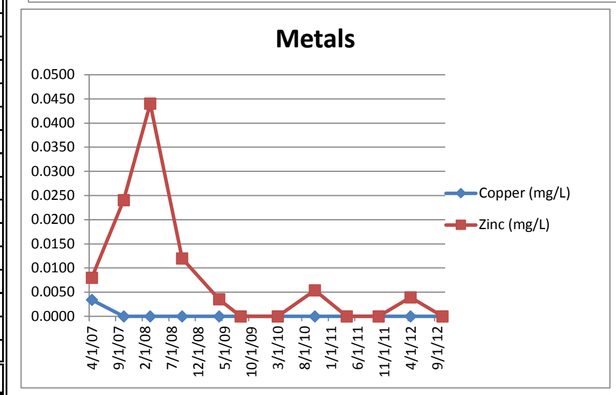
Water Quality Monitoring SW-5

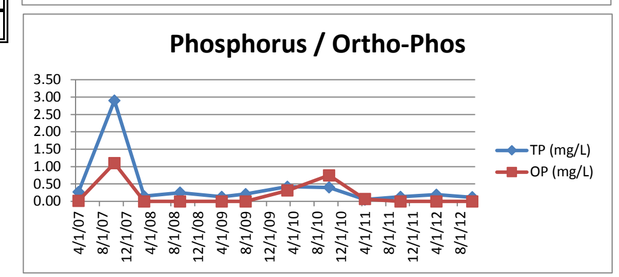
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	13:20	19.60	7.00	470	3.15	16.0	5.0	0.015 i	4.315	4.30	0.005 U	0.27	0.014 i	9.0	2000 L	2.6 U	600	0.0034 i	0.008 i
10/1/07	Not Sampled																		
3/17/08	13:25	22.3	7.78	840	8.69	5.79	5.87	0.016 U	2.51	2.51	0.05 U	2.9	1.1	69	1200	2 i	330	0.0019 U	0.024
9/24/08	11:20	25.5	6.44	330	1.92	3.40	2.73	0.03 U	2.58	2.58	0.05 U	0.15	0.022 U	131	380	0.99 U	130	0.0019 U	0.044
4/1/09	Not Sampled																		
8/12/09	14:00	29.3	7.39	360	1.17	6.14	3.11	0.014 U	1.53	1.53	0.005 U	0.25	0.022 U	33.8	660 B	1.53 i	140	0.0019 U	0.012 v
3/18/10	11:30	18.5	7.32	390	8.80	2.21	3.87	0.30	1.62	1.32	0.005 U	0.130	0.022 U	6.33	80 B	2.65 i	160	0.0019 U	0.0035 i
10/5/10	12:20	25.5	7.29	400	5.84	2.67	3.32	0.016 U	2.7	2.7	0.02 U	0.210	0.022 U	4	250	0.992 U	180	0.0019 U	0.0029 U
4/7/11	12:20	25.7	6.70	460	8.73	2.37	2.68	0.018 U	2.66	2.6 i	0.02 U	0.420	0.31	4 U	90 B	0.992 U	170	0.0019 U	0.0029 U
10/20/11	12:15	20.5	6.68	440	9.18	2.08	1.54 i	0.018 U	1.67	1.5 i	0.0004 U	0.400	0.75	4 U	2000 Z	0.992 U	150	0.0039 U	0.0054 i
4/1/12	Not Sampled																		
10/11/12	12:10	26.2	6.72	300	5.15	2.40	0.602 i	0.018 U	1.758	1.7 i	0.00040 U	0.052 i	0.065 i	2.0 U	320	3.16 i	120	0.0023 U	0.0025 U
3/1/13	Not Sampled																		
10/9/13	11:45	26.2	7.21	550	7.64	2.38	0.050 U	0.018 U	0.770	0.75 i	0.0011 U	0.130	0.045 U	2.0 U	140 B	1.50 i	190	0.0023 U	0.0025 U
4/2/14	13:25	25.9	7.22	790	4.83	13.50	4.5	0.018 U	2.95	2.8	0.0015 i	0.190	0.045 U	32	70 B	1.40 U	270	0.0024 U	0.0039 i
10/28/14	12:00	24.2	6.97	690	8.18	2.69	2.000	0.25 U	1.460	1.10	0.020 U	0.119	0.25 U	5.0 U	70 B	1.1 U	295	0.0047 U	0.010 U
4/7/15	No Flow																		
10/7/15	12:20	28.4	7.32	690	7.22	1.31	2.0 U	0.025 U	1.055	0.99	0.020 U	0.068 i	0.033	32.0	100 B	1.1 U	255	0.0025 U	0.010 U
4/13/16	No Flow																		
10/25/16	11:50	24.5	8.86	364	7.79	1.11	2.0 U	0.025 U	1.4	1.4	0.020 U	0.089 i	0.051	5.0 U	110 B	1.1 U	135	0.0025 U	0.010 U
Mean		**24.5**	**7.21**	**505**	**6.31**	**4.58**	**3.2**	**0.158**	**2.07**	**1.98**	**0.002**	**0.38**	**0.332**	**39.6**	**534**	**2.17**	**223**	**0.0034**	**0.014**
Standards**		*	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*	*	*	*	**≤0.02**	*	*	*	**800**	**5.0**	*	**¥**	**¥**

*No applicable standard for surface water.
**Chapter 62-302,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
B= Results based upon colony counts outside the acceptable range.
L= Off scale high, actual value is known to be greater than the value given.
Z= Too many colonies were present (TNTC); the numeric value represents the filtration volume.
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)
¥ Copper standard is dependant on hardness. $Cu \leq e^{(0.8545[\ln H]-1.702)}$
¥ Zinc standard is dependant on hardness. $Zn \leq e^{(0.8473[\ln H]+0.884)}$







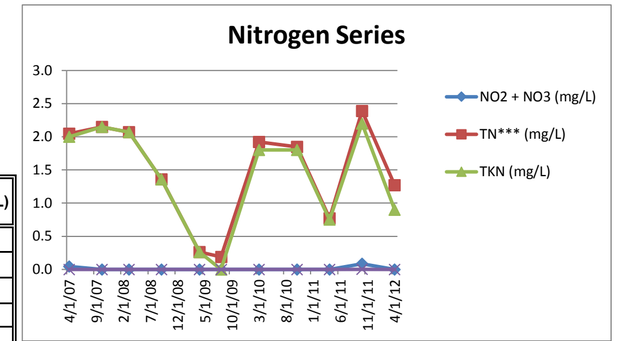
LWR Corporate Park

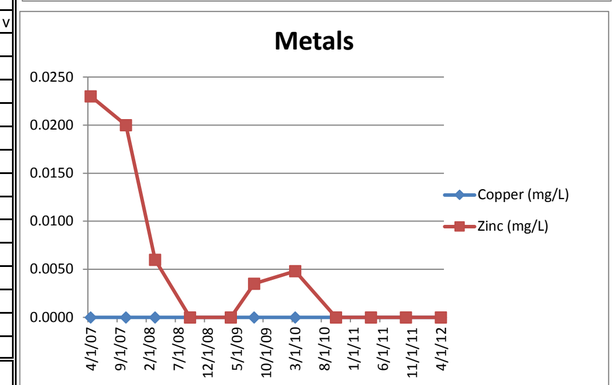
Water Quality Monitoring SW-6

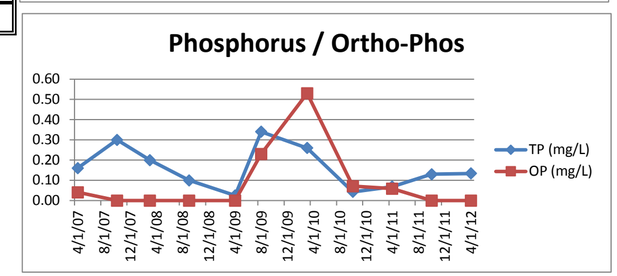
Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	14:15	19.4	7.74	620	6.29	29.6	2 U	0.045 i	2.045	2	0.005 U	0.16	0.041 i	17	6100	2.6 U	270	0.0019 U	0.02
10/1/07	Not Sampled																		
3/1/08	Not Sampled																		
9/30/08	11:40	23.9	6.70	490	3.07	46.1	6.19	0.016 U	2.15	2.15	0.05 U	0.3	0.022 U	115	2100	1.89 i	200	0.0019 U	0.020
4/1/09	Not Sampled																		
8/12/09	11:15	27.5	7.06	760	1.09	2.87	2.54	0.014 U	2.07	2.07	0.005 U	0.2	0.022 U	4	480	2.14 i	110	0.0019 U	0.0060 i, v
3/18/10	10:45	16.8	7.43	430	10.87	4.66	1.09 i	0.016 U	1.36	1.36	0.005 U	0.100	0.022 U	6.60	150 B	1.33 i	170	0.0019 U	0.0029 U
10/5/10	10:30	24.6	7.02	390	5.27	1.63	0.810 i	0.016 U	0.26	0.26 i	0.02 U	0.025 i	0.022 U	6	50 B	0.992 U	170	0.0019 U	0.0029 U
4/7/11	11:40	24.2	6.76	490	7.77	1.82	1.36 i	0.018 U	0.19	1.7 U	0.02 U	0.340	0.23	4 U	140 B	0.992 U	180	0.0019 U	0.0035 i
10/20/11	11:30	20.8	6.82	430	8.98	2.85	1.78 i	0.018 U	1.92	1.8 i	0.0004 U	0.260	0.53	12	360	0.992 U	160	0.0039 U	0.0048 i
4/1/12	Not Sampled																		
10/11/12	11:30	25.1	6.89	310	8.05	2.00	0.5 U	0.018 U	1.848	1.8 i	0.00040 U	0.043 i	0.071 i	2.0 U	180 B	4.30	120	0.0023 U	0.0025 U
3/1/13	Not Sampled																		
10/9/13	11:15	25.1	7.44	450	7.34	6.54	0.50 U	0.018 U	0.770	0.75 i	0.0011 U	0.069	0.059 i	2.0 U	210	1.50 i	160	0.0023 U	0.0025 U
4/2/14	12:45	22.1	7.29	810	7.17	7.27	2.0 U	0.085	2.39	2.2	0.0011 i	0.130	0.045 U	3.0	180 B	1.40 U	280	0.0024 U	0.0024 U
10/28/14	10:45	22.5	7.04	730	7.54	2.11	2.0 U	0.25 U	1.270	0.90	0.020 U	0.134	0.25 U	5.0 U	160	1.1 U	280	0.0047 U	0.010 U
4/7/15	Dry																		
10/7/15	11:40	27.0	7.28	620	5.51	3.61	2.0 U	0.041	1.202	1.1	0.020 U	0.080 i	0.043	6.5	80 B	1.1 U	238	0.0025 U	0.010 U
4/13/16	No Flow																		
10/25/16	11:15	24.5	7.56	476	5.06	6.15	2.3	0.025 U	1.4	1.4	0.020 U	0.050 U	0.0043	5.0 U	70 B	1.1 U	170	0.0025 U	0.010 U
Mean		**23.3**	**7.16**	**539**	**6.46**	**9.02**	**2.3**	**0.057**	**1.45**	**1.48**	**0.001**	**0.15**	**0.140**	**21.3**	**789**	**2.23**	**193**	**-**	**0.0115**
Standards**		*	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*	*	*	*	**≤0.02**	*	*	*	**800**	**5.0**	*	**¥**	**¥**

*No applicable standard for surface water.
**Chapter 62-302,FAC
U= Compound was analyzed for but not detected.
i= Compound detected between MDL and PQL.
v= Analyte was detected in both sample and associated method blank.
B= Results based upon colony counts outside the acceptable range.
L= Off scale high, actual value is known to be greater than the value given.
***TN= NO2+NO3+NH3+NH4+TKN (excluding non-detect values)
¥ Copper standard is dependant on hardness. $Cu \le e^{(0.8545[\ln H]-1.702)}$
¥ Zinc standard is dependant on hardness. $Zn \le e^{(0.8473[\ln H]+0.884)}$



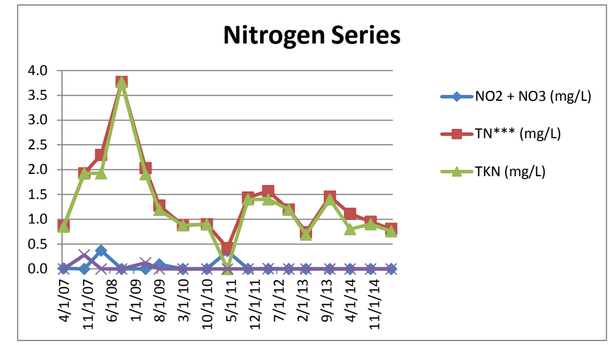
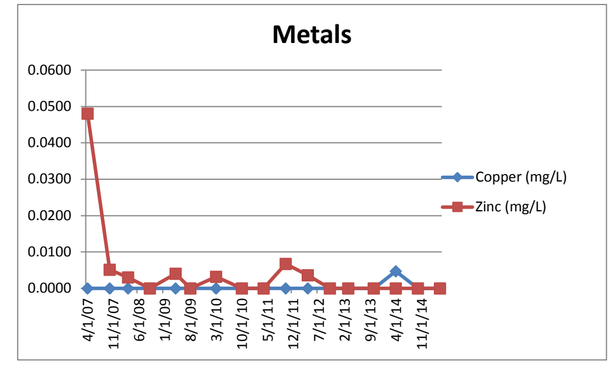
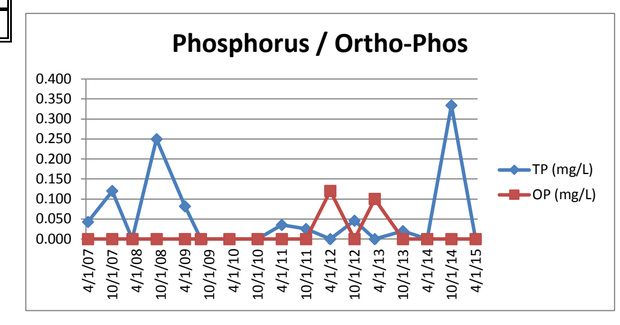




LWR Corporate Park

Water Quality Monitoring SW-7

Cumulative Results Summary

Date	Time	Temp (°C)	pH (std units)	Cond (µmhos/cm)	DO (mg/L)	Turbidity (NTU)	BOD (mg/L)	NO2 + NO3 (mg/L)	TN*** (mg/L)	TKN (mg/L)	Unionized NH3 (mg/L)	TP (mg/L)	OP (mg/L)	TSS (mg/L)	Fecal Coliform (#/100mL)	O&G (mg/L)	Hardness (mg/L)	Copper (mg/L)	Zinc (mg/L)
4/16/07	12:34	20.87	8.36	114	9.64	1.87	2 U	0.011 i	0.861	0.85	0.005 U	0.043 i	0.011 U	5 U	260	2.5 U	35	0.0019 U	0.048
10/2/07	14:30	29.5	9.64	150	8.27	3.92	2.2	0.016 U	1.93	1.93	0.280	0.12	0.022 U	28	50	5 i	44	0.0019 U	0.0051 i
3/13/08	13:25	24.0	7.10	160	14.95	3.72	2.58	0.37	2.3	1.93	0.005 U	0.015 U	0.022 U	4	60	0.992 U	46	0.0019 U	0.0030 i
9/24/08	12:10	27.9	7.45	150	8.39	4.29	3.89	0.03 U	3.77	3.77	0.005 U	0.25	0.022 U	7.6	40 B	1.03 i	38	0.0019 U	0.0029 U
4/22/09	15:05	27.2	9.57	200	8.82	6.63	4.98	0.014 U	2.03	1.91	0.12	0.082	0.022 U	16.6	20 B	0.992 U	57	0.0019 U	0.004 i
8/12/09	11:50	32.5	7.24	200	3.27	3.42	1.78 i	0.090 i	1.28	1.19	0.005 U	0.015 U	0.022 U	0.75 i	380	0.992 U	67	0.0019 U	0.0029 U
3/18/10	12:00	19.2	6.70	140	13.39	2.14	1.53 i	0.016 U	0.879	0.879	0.005 U	0.015 U	0.022 U	2.60	10 U	1.43 i	43	0.0019 U	0.0032 i
10/5/10	12:40	26.6	7.46	130	7.06	1.01	1.52 i	0.016 U	0.9	0.9 i	0.02 U	0.015 U	0.022 U	4	30 B	0.992 U	40	0.0019 U	0.0029 U
4/6/11	12:30	23.6	6.86	160	8.04	2.49	2.91	0.36	0.42	1.7 U	0.02 U	0.035 i	0.045 U	6	120 B	0.992 U	44	0.0019 U	0.0029 U
10/19/11	12:05	25.6	6.98	140	8.28	4.86	2.81	0.018 U	1.44	1.4 i	0.0004 U	0.025 i	0.045 U	18	1700 B	0.992 U	36	0.0039 U	0.0067 i
4/19/12	9:25	25.7	7.31	180	8.40	3.42	1.33 i	0.018 U	1.57	1.4 i	0.0025 i	0.014 U	0.12 i	2.0	20 B	2.370 i	51	0.0023 U	0.0036 i
10/16/12	10:50	26.5	6.40	130	3.40	2.43	1.76 i	0.018 U	1.20	1.2 i	0.00040 U	0.046 i	0.045 U	2.0 U	80 B	0.992 U	41	0.0023 U	0.0025 U
3/1/13	Not Sampled																		
10/9/13	13:30	26.6	7.03	110	7.76	2.09	1.40 i	0.018 U	0.74	0.69 i	0.0011 U	0.014 U	0.10 i	2.0 U	40 B	1.400 i	33	0.0023 U	0.0025 U
4/3/14	10:00	22.6	6.71	140	8.62	1.62	2.0 U	0.018 U	1.46	1.4 i	0.0011 U	0.020 i	0.045 U	8.0	20 B	1.40 U	37	0.0024 U	0.0024 U
10/29/14	9:50	23.4	6.11	120	7.54	1.57	2.0 U	0.25 U	1.11	0.80	0.020 U	0.014 U	0.25 U	5.0 U	10 U	1.1 U	34	0.0047 i	0.010 U
4/8/15	10:15	25.9	6.68	130	7.18	3.46	2.80	0.025 U	0.95	0.90	0.020 U	0.334 i	0.0034 U	5.0 U	10 U	1.4 U	35	0.0080 U	0.010 U
10/8/15	10:55	27.3	6.27	110	3.44	2.02	2.0 U	0.025 U	0.805	0.76	0.020 U	0.050 U	0.0034 U	5.0 U	10 U	1.1 U	31	0.0025 U	0.010 U
4/14/16	No Flow																		
10/26/16	9:30	23.9	6.02	96.7	2.60	0.91	2.0 U	0.025 U	0.67	0.67	0.020 U	0.050 U	0.0072	5.0 U	10 B	1.1 U	30	0.0025 U	0.010 U
Mean		**25.5**	**7.22**	**142**	**7.73**	**2.88**	**2.4**	**0.208**	**1.35**	**1.33**	**0.134**	**0.106**	**0.076**	**8.87**	**202**	**2.25**	**41**	**0.0047**	**0.0105**
Standards**		*	**6.0 - 8.5**	**1,275**	**>5.0**	**≤ 29**	*	*	*	*	**≤0.02**	*	*	*	**800**	**5.0**	*	¥	¥

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