REFUGE'S ENHANCED WATER QUALITY PROGRAM
MONTHLY SAMPLING

October through December, 2011 Data Update
Submitted February 22, 2012

by:
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Everglades National Park
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A.R.M. Loxahatchee National Wildlife Refuge **Oct-11**
Enhanced Water Quality Monitoring Network

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R)	Depth[1]	Total Depth[2]	DCS[3]	Alkalinity	Calcium Dissolved	Carbon, Dissolved Organic	Carbon, Total Organic	Chloride	Conductivity (Field)	Nitrate + Nitrite as Nitrogen	Nitrogen, Total Kjeldahl (TKN)	Ortho-phosphate as Phosphorus	Oxygen, Dissolved (Field)	pH (Field)	Phosphorus, Total	Silica	Solids, Total Dissolved (TDS)	Solids, Total Suspended (TSS)	Sulfate	Temperature (Field)	Turbidity
		Units	meter	meter	meter	mg/l	mg/l	mg/l	mg/l	mg/l	µMHSO/cm	mg/l	mg/l	mg/l	mg/l	pH units	mg/l	mg/l	mg/l	mg/l	mg/l	DEG C	NTU
A101	10/11/2011	P	0.09	0.17	0.21	-	-	-	-	106	863	-	-	-	1.4	7.66	0.018	-	-	U	3.6	24.9	-
A102	10/12/2011	P	0.05	0.11	0.15	-	-	-	-	39	243	-	-	-	2.2	7.3	0.014	-	-	U	2.6	25.4	-
A103	10/12/2011	P	0.05	0.1	0.13	-	-	-	-	26	188	-	-	-	2.4	7.41	0.009	-	-	U	1.4	24.9	-
A104	10/12/2011	F	-	-	>1M	133	44	33	33	127	802	0.024	1.8	0.004	5.6	7.77	0.022	23	482	U	56.2	27.0	0.9
A105	10/12/2011	F	0.12	0.24	0.3	98	32	41	41	74	496	U	1.89	0.006	1.7	7.34	0.032	25	338	U	11.3	26.1	0.6
A106	10/12/2011	P	0.08	0.17	0.21	-	-	-	-	55	358	-	-	-	2.7	7.74	0.019	-	-	U	9.9	26.3	-
A107		N	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A108	10/12/2011	P	0.05	0.1	0.14	-	-	-	-	42	207	-	-	-	3.5	7.88	0.007	-	-	U	0.5	26.5	-
A109	10/12/2011	F	0.12	0.24	0.33	53	21	39	39	87	426	U	1.88	U	1.9	7.15	0.017	15	293	U	6.0	26.4	0.5
A110	10/12/2011	P	0.09	0.19	0.24	-	-	-	-	38	194	-	-	-	4.5	8.07	0.007	-	-	U	1.3	28.4	-
A111	10/12/2011	P	0.09	0.19	0.39	-	-	-	-	24	146	-	-	-	3.0	7.32	0.008	-	-	U	0.8	27.9	-
A112	10/12/2011	F	0.14	0.29	0.4	35	18	35	35	52	278	U	1.78	U	4.0	7.08	0.011	11	210	U	3.6	27.5	0.7
A113	10/12/2011	F	0.1	0.21	0.3	25	9	26	26	23	136	U	1.73	U	5.8	7.51	0.007	8	125	U	0.6	29.2	0.6
A114	10/12/2011	P	0.09	0.19	0.3	-	-	-	-	22	125	-	-	-	6.0	7.74	0.008	-	-	U	0.5	29.5	-
A115	10/13/2011	F	-	-	>1M	153	51	31	30	123	818	U	1.77	U	5.4	7.8	0.029	22	513	U	50.5	27.2	0.8
A117	10/13/2011	F	0.13	0.26	0.36	156	49	38	38	123	787	U	1.74	0.005	0.8	7.28	0.027	24	487	U	24.7	25.4	0.7
A118	10/13/2011	F	0.15	0.33	0.38	77	29	45	46	101	540	U	2.08	0.005	2.6	7.2	0.018	18	363	U	9.4	26.3	0.7
A119	10/13/2011	F	0.15	0.3	0.36	33	13	31	31	36	200	U	1.75	U	3.6	7.46	0.010	7	160	U	1.1	28.1	0.7
A120	10/13/2011	F	0.15	0.32	0.42	23	8	30	30	27	149	0.015	1.89	U	2.9	7.58	0.011	8	125	U	0.5	28.4	0.8
A122	10/13/2011	F	0.14	0.28	0.32	175	60	32	32	92	704	U	1.49	U	0.7	7.23	0.020	18	449	U	27.0	26.0	0.8
A124	10/13/2011	P	0.06	0.12	0.42	-	-	-	-	100	559	-	-	-	0.8	7.24	0.018	-	-	U	11.1	25.5	-
A126	10/13/2011	F	0.15	0.3	0.37	124	42	26	26	98	615	U	1.19	U	2.0	7.29	0.010	11	363	U	13.5	26.1	0.5
A127	10/13/2011	P	0.09	0.19	0.32	-	-	-	-	25	142	-	-	-	1.6	7.21	0.008	-	-	U	0.8	26.7	-
A128	10/12/2011	P	0.09	0.18	0.12	-	-	-	-	25	134	-	-	-	3.2	7.53	0.008	-	-	U	-0.1	29.7	-
A129	10/11/2011	F	-	-	>1M	133	53	21	20	109	703	0.017	1.27	U	6.9	8.5	0.018	11	404	U	37.1	27.4	0.9
A130	10/11/2011	F	0.14	0.28	0.3	96	33	35	35	86	505	U	1.79	U	4.0	7.55	0.015	14	342	U	4.5	28.1	1.0
A131	10/11/2011	F	0.1	0.2	0.26	36	14	35	35	31	185	U	1.78	U	4.1	7.2	0.007	9	139	U	3.0	28.0	0.9
A132	10/11/2011	F	-	-	>1M	125	50	19	18	101	658	0.019	1.17	U	5.6	8.24	0.016	11	373	U	36.5	26.7	1.2
A133	10/11/2011	P	0.08	0.15	0.22	-	-	-	-	38	311	-	-	-	1.6	7.25	0.030	-	-	U	1.7	26.1	-
A134	10/11/2011	F	0.13	0.25	0.31	51	20	40	40	28	207	U	2	U	1.6	7.05	0.013	7	199	U	3.5	28.3	0.9
A135	10/11/2011	F	-	-	>1M	144	57	23	22	112	736	0.029	1.39	U	4.9	7.96	0.017	11	449	U	41.5	26.3	1.3
A136	10/11/2011	F	0.11	0.22	0.37	75	30	50	51	64	376	U	2.61	U	1.1	7.25	0.032	14	296	U	1.8	25.5	1.0
A137	10/11/2011	P	0.1	0.19	0.24	-	-	-	-	26	196	-	-	-	0.8	6.89	0.017	-	-	U	2.8	25.5	-
A138	10/11/2011	P	0.07	0.14	0.2	-	-	-	-	22	132	-	-	-	3.9	6.88	0.005	-	-	U	1.3	27.4	-
A139	10/11/2011	P	0.05	0.1	0.13	-	-	-	-	19	112	-	-	-	7.3	6.55	0.005	-	-	U	0.6	29.0	-
A140	10/11/2011	P	0.1	0.19	0.24	-	-	-	-	34	206	-	-	-	2.6	7.01	0.013	-	-	U	1.3	25.1	-
A141	10/13/2011	F	-	-	>1M	117	39	27	28	77	547	0.004	1.28	U	1.9	7.44	0.014	18	337	U	20.1	26.1	0.8
Total		37																					
Full		20																					
Partial		16																					
None		1																					

(1) Sample depth
(2) Total depth is depth of the clear water column
(3) Depth to consolidated substrate
U indicates that the compound was analyzed for but not detected; see "LOXA_Parameter_Info" tab for table of MDLs.

Additional information on the Enhanced Water Quality Monitoring Network can be found at:
http://sofia.usgs.gov/lox_monitor_model/wq_network.html
Data from June 2004 to May 2006 available on DBHYDRO:
http://www.sfwmd.gov/org/ema/dbhydro/
Field notes are maintained by the Everglades Program Team at the A.R.M. Loxahatchee National Wildlife Refuge.

A.R.M. Loxahatchee National Wildlife Refuge **Nov-11**
Enhanced Water Quality Monitoring Network

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R)	Depth[1]	Total Depth[2]	DCS[3]	Alkalinity	Calcium Dissolved	Carbon, Dissolved Organic	Carbon, Total Organic	Chloride	Conductivity (Field)	Nitrate + Nitrite as Nitrogen	Nitrogen, Total Kjeldahl (TKN)	Ortho-phosphate as Phosphorus	Oxygen, Dissolved (Field)	pH (Field)	Phosphorus, Total	Silica	Solids, Total Dissolved (TDS)	Solids, Total Suspended (TSS)	Sulfate	Temperature (Field)	Turbidity
		Units	meter	meter	meter	mg/l	mg/l	mg/l	mg/l	mg/l	µMHSO/cm	mg/l	mg/l	mg/l	mg/l	pH units	mg/l	mg/l	mg/l	mg/l	mg/l	DEG C	NTU
A101	11/8/2011	F	0.16	0.33	0.33	138	49	27	27	114	701	U	1.6	U	4.19	7.0	0.015	12	444	U	27.1	23.9	0.4
A102	11/8/2011	F	0.13	0.26	0.26	65	22	33	34	53	340	U	1.6	U	4.38	6.7	0.013	10	245	U	4.9	24.5	1.0
A103	11/8/2011	F	0.11	0.23	0.23	50	17	36	35	36	227	U	1.7	U	4.38	6.7	0.012	8	203	U	1.9	25.2	0.6
A104	11/9/2011	F	-	-	>1M	166	63	25	25	107	764	0.089	1.5	0.006	4.85	7.5	0.025	13	360	U	38.5	22.8	0.9
A105	11/9/2011	F	0.16	0.32	0.46	159	57	33	33	122	822	U	1.8	0.004	1.47	6.9	0.020	21	518	U	50.6	21.9	0.6
A106	11/9/2011	F	0.15	0.29	0.21	103	38	32	32	98	595	U	1.7	0.004	4.28	7.1	0.014	15	382	U	27.5	22.4	1.2
A107	11/9/2011	P	0.09	0.18	0.28	-	-	-	-	27	178	-	-	-	3.4	6.6	0.008	-	-	U	1.4	22.2	-
A108	11/8/2011	F	0.1	0.21	0.22	11	6	31	31	24	125	U	1.7	U	8.23	6.6	0.006	2	120	U	0.5	26.6	0.6
A109	11/9/2011	F	0.23	0.46	0.53	88	30	31	32	92	531	U	1.6	U	2.8	6.8	0.013	15	341	U	11.2	22.0	0.4
A110	11/9/2011	F	0.15	0.33	0.44	15	13	32	31	51	242	0.064	1.7	U	5.81	6.6	0.006	2	192	U	3.8	22.4	0.4
A111	11/9/2011	F	0.15	0.29	0.41	29	13	29	29	38	204	0.006	1.5	U	5.03	6.8	0.009	7	168	U	1.1	21.6	0.8
A112	11/9/2011	F	0.11	0.23	0.53	89	30	29	30	94	537	U	1.4	U	2.5	6.9	0.012	16	233	U	15.2	21.4	0.5
A113	11/9/2011	F	0.18	0.36	0.51	26	11	27	27	30	168	U	1.4	U	4.96	6.6	0.007	5	146	U	0.9	21.7	0.5
A114	11/9/2011	F	0.15	0.33	0.43	17	8	26	26	23	133	U	1.3	U	4.14	6.4	0.007	4	77	U	0.6	21.4	0.7
A115	11/10/2011	F	-	-	>1M	212	77	33	33	133	988	0.353	1.9	0.008	5.9	7.8	0.021	20	642	U	74.7	22.2	0.5
A117	11/10/2011	F	0.2	0.4	0.5	148	50	32	33	123	790	U	1.8	0.005	1.29	7.0	0.020	19	516	U	43.4	20.9	0.5
A118	11/10/2011	F	0.21	0.41	0.49	122	38	31	30	102	620	U	1.5	0.004	3	6.9	0.013	17	396	U	14.3	20.9	0.4
A119	11/10/2011	F	0.23	0.45	0.49	32	13	26	26	35	201	U	1.4	U	6.27	6.9	0.009	8	150	U	1.5	21.8	0.5
A120	11/10/2011	F	0.28	0.57	65	20	8	23	23	27	147	U	1.4	U	4.34	6.4	0.008	4	117	U	0.6	22.1	0.7
A122	11/10/2011	F	0.21	0.42	0.48	172	60	31	32	118	821	U	1.7	U	1.31	7.0	0.017	19	527	U	46.5	21.0	0.6
A124	11/7/2011	F	0.17	0.34	0.57	97	35	21	22	91	533	U	1.1	U	4.04	7.0	0.008	9	311	U	15.3	22.9	0.5
A126	11/7/2011	F	0.18	0.35	0.55	171	66	26	26	109	783	U	1.4	U	3.47	7.0	0.023	13	479	U	43.0	23.0	0.5
A127	11/7/2011	F	0.17	0.34	0.43	12	7	25	25	18	103	U	1.3	U	6.2	6.5	0.004	6	91	U	0.6	24.3	0.5
A128	11/10/2011	F	0.11	0.21	0.3	14	7	27	27	20	116	U	1.5	U	4.68	6.4	0.007	4	115	U	0.5	22.6	0.7
A129	11/7/2011	F	-	-	>1M	208	80	30	30	113	900	0.353	1.9	0.005	6.47	7.8	0.017	11	557	U	64.2	22.1	3.1
A130	11/7/2011	F	0.15	0.31	0.5	164	60	29	29	113	763	U	1.6	U	4.68	7.0	0.011	14	456	U	32.8	23.9	0.4
A131	11/7/2011	F	0.18	0.35	0.4	61	25	29	29	73	379	U	1.4	U	5.83	6.7	0.007	12	253	U	4.7	23.3	1.4
A132	11/7/2011	F	-	-	>1M	210	80	31	30	120	918	0.181	1.9	0.005	7.30	7.8	0.019	11	567	U	67.4	22.7	1.5
A133	11/7/2011	F	0.17	0.34	0.43	138	51	31	31	106	679	U	1.8	U	2.37	6.8	0.023	13	419	U	29.2	22.5	0.9
A134	11/7/2011	F	0.18	0.37	0.5	121	48	31	31	102	641	U	1.7	U	4.48	6.8	0.010	13	406	U	31.0	23.6	0.7
A135	11/8/2011	F	-	-	>1M	199	78	29	29	113	872	0.068	1.9	0.005	5.95	7.7	0.024	10	553	6.7	61.0	22.6	3.1
A136	11/8/2011	F	0.28	0.59	0.59	152	59	29	29	110	747	U	1.7	U	1.84	6.9	0.018	14	469	U	38.9	22.4	0.7
A137	11/8/2011	F	0.2	0.4	0.4	121	47	32	31	107	674	0.004	1.9	U	1.82	6.7	0.018	13	421	U	30.6	22.9	0.5
A138	11/8/2011	F	0.14	0.29	0.29	41	21	35	35	69	343	U	1.9	U	6.14	6.7	0.011	10	253	U	4.4	23.7	0.7
A139	11/8/2011	F	0.11	0.23	0.23	8	9	43	43	22	118	U	2.9	0.005	5.14	6.0	0.006	1	201	U	0.9	23.3	0.6
A140	11/8/2011	F	0.15	0.32	0.32	70	26	33	34	87	482	U	1.9	U	4.86	6.9	0.014	12	317	U	8.3	23.4	0.7
A141	11/10/2011	F	0.28	0.57	0.2	142	50	28	28	108	726	U	1.6	0.006	0.51	6.9	0.020	20	472	5	42.4	21.4	1.1
Total		37																					
Full		36																					
Partial		1																					
None		0																					

(1) Sample depth

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(3) Depth to consolidated substrate

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A.R.M. Loxahatchee National Wildlife Refuge **Dec-11**
Enhanced Water Quality Monitoring Network

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R)	Depth[1]	Total Depth[2]	DCS[3]	Alkalinity	Calcium Dissolved	Carbon, Dissolved Organic	Carbon, Total Organic	Chloride	Conductivity (Field)	Nitrate + Nitrite as Nitrogen	Nitrogen, Total Kjeldahl (TKN)	Ortho-phosphate as Phosphorus	Oxygen, Dissolved (Field)	pH (Field)	Phosphorus, Total	Silica	Solids, Total Dissolved (TDS)	Solids, Total Suspended (TSS)	Sulfate	Temperature (Field)	Turbidity
		Units	meter	meter	meter	mg/l	mg/l	mg/l	mg/l	mg/l	µMHSO/cm	mg/l	mg/l	mg/l	mg/l	pH units	mg/l	mg/l	mg/l	mg/l	mg/l	DEG C	NTU
A101	12/14/2011	F	0.14	0.28	0.31	170	55	31	32	130	779	U	1.5	U	3.53	7.0	0.013	13.7	513	U	16.1	21.6	0.8
A102	12/14/2011	F	0.12	0.25	0.28	52	19	35	35	50	291	U	1.6	U	5.18	6.8	0.008	0.3	237	U	3.4	22.7	0.5
A103	12/14/2011	F	0.11	0.23	0.28	48	17	35	35	40	240	U	1.5	U	3.41	6.8	0.011	9.3	207	U	1.5	21.5	0.8
A104	12/15/2011	F	-	-	>1M	179	62	28	28	127	836	0.039	1.7	0.006	5.34	7.7	0.022	12.1	518	U	44.5	21.9	0.8
A105	12/15/2011	F	0.13	0.25	0.34	138	45	34	34	121	705	0.003	1.5	U	2.38	7.0	0.017	15.6	457	U	23.5	20.8	0.7
A106	12/15/2011	F	0.11	0.21	0.21	89	31	32	32	88	494	U	1.6	U	5.36	7.1	0.012	14.5	341	U	10.2	21.3	0.7
A107	12/15/2011	P	0.07	0.13	0.18	-	-	-	-	31	483	-	-	-	4.79	6.6	0.007	-	-	U	0.8	21.1	-
A108	12/14/2011	F	0.1	0.2	0.26	12	7	34	34	34	160	U	1.8	U	7.6	6.5	0.005	3.4	162	U	0.5	23.0	0.6
A109	12/15/2011	F	0.15	0.29	0.4	56	23	32	32	90	436	U	1.6	U	2.8	6.7	0.009	8.6	297	U	6.7	21.3	0.6
A110	12/15/2011	F	0.13	0.25	0.32	16	14	35	35	60	252	U	1.9	U	7.1	6.8	0.006	4.2	216	U	1.5	21.5	0.6
A111	12/15/2011	F	0.13	0.25	0.39	31	15	29	29	50	237	0.003	1.5	U	4.99	6.7	0.008	10.7	197	U	0.8	20.6	0.6
A112	12/15/2011	F	0.11	0.21	0.42	79	29	29	30	98	517	U	1.5	0.004	2.54	6.8	0.010	17.2	342	U	10.3	20.8	0.6
A113	12/15/2011	F	0.15	0.3	0.34	26	13	31	31	42	205	U	1.7	U	4.93	6.7	0.008	7.1	167	U	0.7	20.2	0.6
A114	12/15/2011	F	0.14	0.28	0.37	20	10	31	32	32	163	U	1.6	U	4.59	6.6	0.008	6.1	157	U	0.5	20.4	0.6
A115	12/13/2011	F	-	-	>1M	193	71	31	31	137	943	0.012	1.8	0.007	5.34	7.5	0.019	17.5	599	U	71.8	22.3	0.6
A117	12/13/2011	F	0.19	0.38	0.49	117	43	30	30	115	680	U	1.7	0.005	2.22	6.9	0.017	15.4	432	U	28.7	21.8	0.6
A118	12/13/2011	F	0.22	0.44	0.49	103	35	31	31	105	582	U	1.6	0.005	3.04	6.7	0.011	19.8	273	U	11.5	22.2	0.6
A119	12/13/2011	F	0.24	0.48	0.51	30	13	27	27	37	197	0.003	1.5	U	5.78	6.9	0.007	8.2	152	U	0.9	23.5	0.7
A120	12/13/2011	F	0.22	0.44	0.55	18	9	26	25	33	158	0.004	1.5	U	5.27	6.6	0.006	4.4	131	U	0.5	23.6	0.8
A122	12/13/2011	F	0.23	0.45	0.48	132	50	28	29	98	645	U	1.4	0.005	2.2	6.9	0.013	16.7	416	U	26.7	21.4	0.5
A124	12/12/2011	P	0.09	0.18	0.44	-	-	-	-	100	508	-	-	-	2.12	7.2	0.008	-	-	U	8.2	21.8	-
A126	12/12/2011	F	0.16	0.35	0.51	149	57	27	27	113	717	U	1.3	U	3.64	7.1	0.009	12.1	413	U	26.2	21.4	1.2
A127	12/12/2011	F	0.16	0.35	0.43	13	8	25	27	25	124	U	1.4	U	3.79	7.3	0.006	6.3	128	U	0.6	22.0	0.8
A128	12/13/2011	F	0.12	0.25	0.35	15	8	31	31	28	138	U	1.7	U	5.82	6.3	0.006	4.2	66	U	0.5	23.8	1.1
A129	12/12/2011	F	-	-	>1M	157	63	21	21	105	701	0.03	1.3	0.008	3.84	7.5	0.028	7.6	436	U	22.1	21.8	0.9
A130	12/12/2011	F	0.17	0.37	0.43	119	46	32	32	116	651	U	1.6	U	0.6	7.2	0.013	15.1	419	U	10.3	21.2	0.8
A131	12/12/2011	F	0.14	0.29	0.4	35	18	30	30	58	281	U	1.4	U	3.27	7.3	0.008	10.2	227	U	1.7	21.1	0.7
A132	12/12/2011	F	-	-	>1M	151	66	17	17	129	793	0.071	1.2	U	5.44	7.6	0.016	6.4	472	U	36.4	22.0	0.8
A133	12/12/2011	P	0.08	0.16	0.37	-	-	-	-	105	581	-	-	-	0.50	7.2	0.024	-	-	U	6.7	21.2	-
A134	12/12/2011	F	0.14	0.29	0.45	85	36	32	32	102	528	U	1.5	U	1.58	7.6	0.011	14.2	367	U	12.6	21.5	0.7
A135	12/14/2011	F	-	-	>1M	162	66	17	18	125	786	0.032	1.1	U	5.47	7.5	0.015	5.7	468	U	31.1	22.5	0.7
A136	12/14/2011	F	0.19	0.39	0.55	126	44	34	33	117	657	U	1.7	U	1.15	6.8	0.016	14.4	434	U	12.1	21.0	0.7
A137	12/14/2011	F	0.18	0.37	0.41	87	33	32	32	105	529	U	1.7	U	2.21	6.7	0.014	14.7	376	U	12.3	20.8	0.7
A138	12/14/2011	F	0.14	0.28	0.31	29	17	37	36	57	258	U	2.0	U	4.68	6.6	0.008	6.6	228	U	1.7	20.5	0.6
A139	12/14/2011	F	0.11	0.23	0.26	9	8	41	41	26	127	U	2.2	U	4.75	6.2	0.005	1.2	154	U	0.6	20.4	0.9
A140	12/14/2011	F	0.12	0.24	0.28	47	21	44	45	76	352	U	2.1	U	4.51	6.6	0.011	10.0	292	U	2.3	21.6	0.6
A141	12/13/2011	F	0.6	1.21	1.29	114	41	26	26	95	596	U	1.6	U	2.41	7.0	0.019	17.9	385	6.5	28.4	21.7	1.6
Total		37																					
Full		34																					
Partial		3																					
None		0																					

(1) Sample depth

(2) Total depth is depth of the clear water column

(3) Depth to consolidated substrate

U indicates that the compound was analyzed for but not detected; see "LOXA_Parameter_Info" tab for table of MDLs.

Additional information on the Enhanced Water Quality Monitoring Network can be found at:
http://sofia.usgs.gov/lox_monitor_model/wq_network.html
Data from June 2004 to May 2006 available on DBHYDRO:
http://www.sfwmd.gov/org/ema/dbhydro/
Field notes are maintained by the Everglades Program Team at the A.R.M. Loxahatchee National Wildlife Refuge.

A.R.M. Loxahatchee National Wildlife Refuge
Enhanced Water Quality Monitoring Network

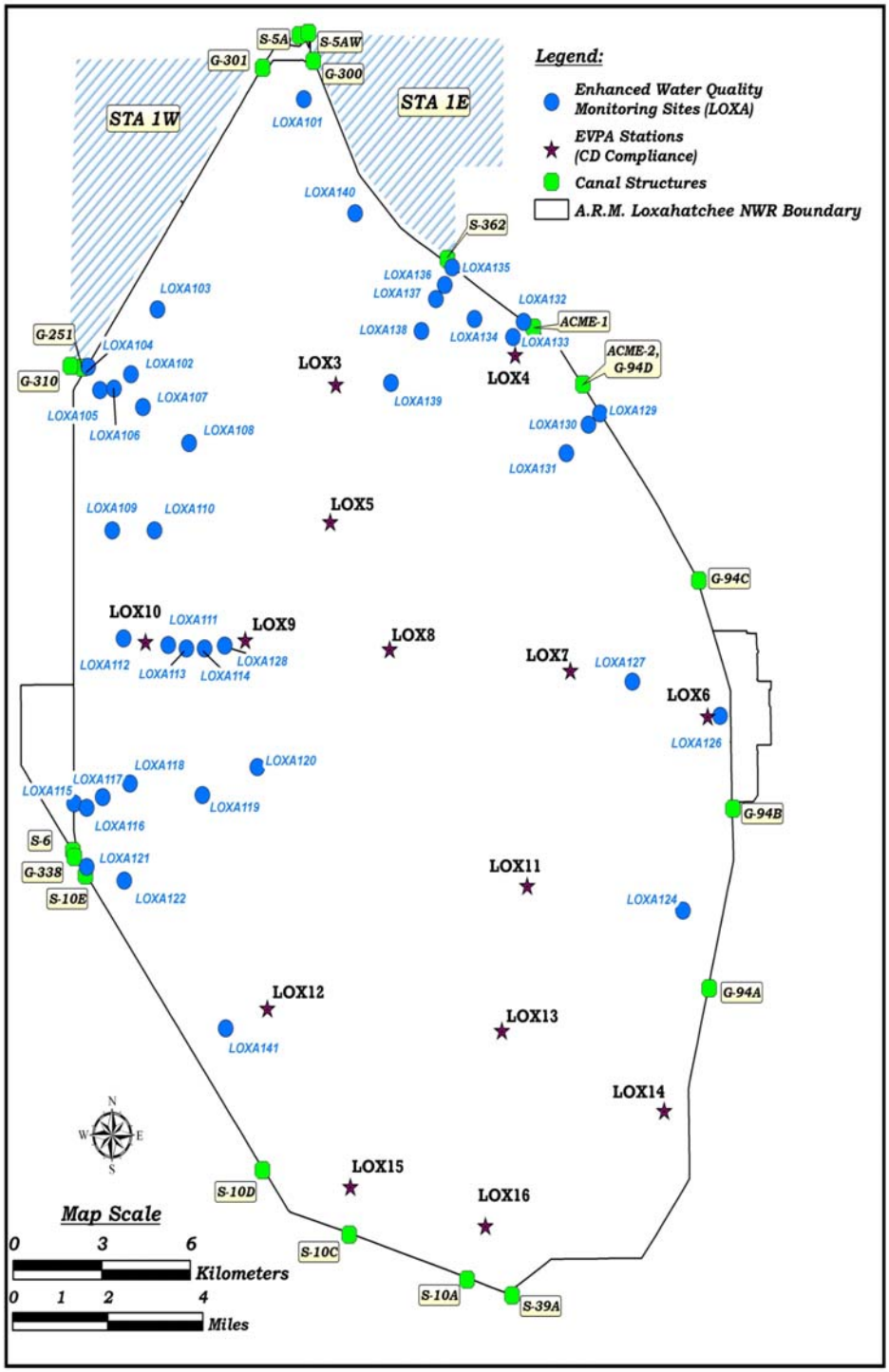
Parameter Information:

Parameter	Units	Analysis Method	MDL
Alkalinity as $CaCO_3$, Total	mg/L	310.1	5
Calcium Dissolved	mg/L	200.7	0.02 - 0.03
Carbon, Dissolved Organic	mg/L	415.1	0.1 - 0.3
Carbon, Total Organic	mg/L	415.1	0.1 - 0.3
Chloride	mg/L	300.0	0.1
Conductivity (field)	µMHOS/cm	120.1 (field)	-
Nitrate + Nitrite as Nitrogen	mg/L	300.0	0.003 - 0.009
Nitrogen, Total Kjeldahl (TKN)	mg/L	351.2	0.06 - 0.07
Ortho-phosphate as Phosphorus	mg/L	365.1	0.002 - 0.003
Oxygen, Dissolved (Field)	mg/L	360.1	1
pH (Field)	pH units	150.1	-
Phosphorus, Total	mg/L	365.3	0.003
Silica	mg/L	370.1	0.14
Solids, Total Dissolved (TDS)	mg/L	160.1	10
Solids, Total Suspended (TSS)	mg/L	160.2	5
Sulfate	mg/L	300.0	0.1
Temperature (Field)	DEG C	170.1	-
Turbidity	NTU	180.1	0.1

Note: Nitrate and Nitrite not analyzed after June 2006

A.R.M. Loxahatchee National Wildlife Refuge
Enhanced Water Quality Monitoring Network

Map of sites:



Coordinates of sites:

Name	Latitude	Longitude	X_DMS*	Y_DMS*	X_DM**	Y_DM**
LOXA101	26.66739249	-80.36636475	80° 21' 58.91" W	26° 40' 2.61" N	80° 21.9818333' W	26° 40.0435' N
LOXA102	26.59598877	-80.42553769	80° 25' 31.94" W	26° 35' 45.56" N	80° 25.532333' W	26° 35.7593333333333' N
LOXA103	26.61285142	-80.41643631	80° 24' 59.17" W	26° 36' 46.27" N	80° 24.98616667' W	26° 36.7711666666667' N
LOXA104	26.59798188	-80.44004508	80° 26' 24.16" W	26° 35' 52.73" N	80° 26.4026667' W	26° 35.8788333333333' N
LOXA105	26.59189923	-80.43609407	80° 26' 9.94" W	26° 35' 30.84" N	80° 26.1656667' W	26° 35.514' N
LOXA106	26.59220622	-80.43128096	80° 25' 52.61" W	26° 35' 31.94" N	80° 25.876833' W	26° 35.5323333333333' N
LOXA107	26.58739046	-80.42144468	80° 25' 17.20" W	26° 35' 14.61" N	80° 25.286667' W	26° 35.2435' N
LOXA108	26.5779601	-80.40585344	80° 24' 21.07" W	26° 34' 40.66" N	80° 24.35116667' W	26° 34.6776666666667' N
LOXA109	26.55528865	-80.43205157	80° 25' 55.39" W	26° 33' 19.04" N	80° 25.92316667' W	26° 33.3173333333333' N
LOXA110	26.55523973	-80.41769154	80° 25' 3.69" W	26° 33' 18.86" N	80° 25.0615' W	26° 33.3143333333333' N
LOXA111	26.52533583	-80.41314705	80° 24' 47.33" W	26° 31' 31.21" N	80° 24.7888333' W	26° 31.5201666666667' N
LOXA112	26.52712473	-80.42837332	80° 25' 42.14" W	26° 31' 37.65" N	80° 25.702333' W	26° 31.6275' N
LOXA113	26.52442784	-80.40699875	80° 24' 25.20" W	26° 31' 27.94" N	80° 24.42' W	26° 31.4656666666667' N
LOXA114	26.52439258	-80.40083965	80° 24' 3.02" W	26° 31' 27.81" N	80° 24.050333' W	26° 31.4635' N
LOXA115	26.48422578	-80.44533675	80° 26' 43.21" W	26° 29' 3.21" N	80° 26.7201667' W	26° 29.0535' N
LOXA116	26.4830586	-80.441098	80° 26' 27.95" W	26° 28' 59.01" N	80° 26.4658333' W	26° 28.9835' N
LOXA117	26.48580427	-80.4356858	80° 26' 8.47" W	26° 29' 8.90" N	80° 26.14116667' W	26° 29.1483333333333' N
LOXA118	26.48928924	-80.42639091	80° 25' 35.01" W	26° 29' 21.44" N	80° 25.5835' W	26° 29.3573333333333' N
LOXA119	26.48621462	-80.40180845	80° 24' 6.51" W	26° 29' 10.37" N	80° 24.1085' W	26° 29.1728333333333' N
LOXA120	26.49341054	-80.38307987	80° 22' 59.09" W	26° 29' 36.28" N	80° 22.9848333' W	26° 29.6046666666667' N
LOXA121	26.46767673	-80.44113231	80° 26' 28.08" W	26° 28' 3.64" N	80° 26.468' W	26° 28.0606666666667' N
LOXA122	26.46404297	-80.42843367	80° 25' 42.36" W	26° 27' 50.55" N	80° 25.706' W	26° 27.8425' N
LOXA123	26.42675307	-80.40036372	80° 24' 1.31" W	26° 25' 36.31" N	80° 24.0218333' W	26° 25.6051666666667' N
LOXA124	26.45535397	-80.23875455	80° 14' 19.52" W	26° 27' 19.27" N	80° 14.325333' W	26° 27.3211666666667' N
LOXA126	26.50601148	-80.22585171	80° 13' 33.07" W	26° 30' 21.64" N	80° 13.55116667' W	26° 30.3606666666667' N
LOXA127	26.51513474	-80.25555976	80° 15' 20.02" W	26° 30' 54.49" N	80° 15.3336667' W	26° 30.9081666666667' N
LOXA128	26.52516286	-80.3940121	80° 23' 38.44" W	26° 31' 30.59" N	80° 23.6406667' W	26° 31.5098333333333' N
LOXA129	26.58500726	-80.26608256	80° 15' 57.90" W	26° 35' 6.03" N	80° 15.965' W	26° 35.1005' N
LOXA130	26.58211881	-80.27005531	80° 16' 12.20" W	26° 34' 55.63" N	80° 16.20333' W	26° 34.9271666666667' N
LOXA131	26.57474791	-80.27764653	80° 16' 39.53" W	26° 34' 29.09" N	80° 16.6588333' W	26° 34.4848333333333' N
LOXA132	26.60900561	-80.29189939	80° 17' 30.84" W	26° 36' 32.42" N	80° 17.514' W	26° 36.5403333333333' N
LOXA133	26.6050896	-80.29557491	80° 17' 44.07" W	26° 36' 18.32" N	80° 17.7345' W	26° 36.3053333333333' N
LOXA134	26.60985664	-80.30860325	80° 18' 30.97" W	26° 36' 35.48" N	80° 18.51616667'W	26° 36.5913333333333' N
LOXA135	26.62335538	-80.31612276	80° 18' 58.04" W	26° 37' 24.08" N	80° 18.967333' W	26° 37.4013333333333' N
LOXA136	26.61879302	-80.31866688	80° 19' 7.20" W	26° 37' 7.65" N	80° 19.12' W	26° 37.1275' N
LOXA137	26.61510337	-80.32170327	80° 19' 18.13" W	26° 36' 54.37" N	80° 19.30216667' W	26° 36.9061666666667' N
LOXA138	26.60681693	-80.32666537	80° 19' 36.00" W	26° 36' 24.54" N	80° 19.6' W	26° 36.409' N
LOXA139	26.59332525	-80.33715389	80° 20' 13.75" W	26° 35' 35.97" N	80° 20.22916667' W	26° 35.5995' N
LOXA140	26.63760323	-80.34909432	80° 20' 56.74" W	26° 38' 15.37" N	80° 20.9456667'W	26° 38.2561666666667' N
LOXA141	26.42708333	80.3942	80° 23' 39.12" W	26° 38' 37.5" N	80° 23.652'W	26° 25.625' N

* DMS = Degrees Minutes Seconds

** DM = Degrees Minutes Decimal Minutes

Additional information on the coordinates for the Enhanced Water Quality Monitoring Network can be found at:
http://sofia.usgs.gov/lox_monitor_model/workplans/EnhancedWQsamplingStations_.pdf