

**REFUGE'S ENHANCED WATER QUALITY PROGRAM  
MONTHLY SAMPLING**

*April through June, 2013 Data Update*  
Submitted March 26, 2014

*by:*

**Donatto Surratt**

**Everglades National Park  
c/o A.R.M. Loxahatchee National Wildlife Refuge**

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Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R) Units	Depth <sup>1</sup> meter	Total Depth <sup>2</sup> meter	DCS <sup>3</sup>	Alkalinity mg/l	Calcium Dissolved mg/l	Carbon, Dissolved Organic mg/l	Carbon, Total Organic mg/l	Chloride mg/l	Conductivity (Field) mMHSO/cm	Nitrate + Nitrite as Nitrogen mg/l	Nitrogen, Total Kjeldahl mg/l	Ortho-phosphate as Phosphorus mg/l	Oxygen, Dissolved (Field) mg/l	pH (Field) pH units	Phosphorus, Total mg/l	Silica mg/l	Solids, Total Dissolv mg/l	Solids, Total Suspended (TSS) mg/l	Sulfate mg/l	Temperature (Field) DEG C	Turbidity NTU
A101		N			0.12																		
A102		N			0.06																		
A103		N			0.05																		
A104	04/08/13	F	>1M	>1M	>1M	188	58	27	28	169	1023	0.074	1.8	0.008	5.7	7.6	0.028	9.7	621	U	62.9	23.1	1.3
A105		N			0.08																		
A106		N			0.12																		
A107		N			0.00																		
A108		N			0.11																		
A109	04/10/13	F	0.10	0.21	0.30	54	14	24	24	30	211	U	1.3	U	1.2	6.6	0.008	1.5	160	U	0.97	22.0	0.7
A110	04/10/13	P	0.05	0.11	0.22					33	202				2.6	6.8	0.007			U	0.58	21.7	
A111	04/10/13	P	0.05	0.11	0.27					26	168				1.8	6.4	0.007			U	0.51	22.7	
A112	04/10/13	P	0.09	0.19	0.32					26	184				2.0	6.6	0.005			U	0.74	21.8	
A113	04/10/13	P	0.05	0.10	0.28					31	191				2.3	6.7	0.010			U	U	27.9	
A114	04/10/13	P	0.06	0.12	0.30					29	158				3.8	6.3	0.008			U	U	23.2	
A115	04/08/13	F	>1M	>1M	>1M	162	51	25	25	127	792	0.020	1.4	0.003	6.5	7.5	0.020	4.5	498	U	39.8	23.5	0.9
A117	04/11/13	F	0.10	0.20	0.30	80	23	25	25	41	298	U	1.2	0.003	1.8	6.8	0.012	5.4	213	U	1.73	22.7	0.9
A118	04/11/13	F	0.11	0.23	0.35	57	16	22	23	34	225	U	1.1	U	2.4	6.8	0.006	4.7	167	U	1.04	23.4	0.6
A119	04/11/13	P	0.09	0.18	0.28					32	203				1.6	6.6	0.009			U	0.6	23.7	
A120	04/11/13	F	0.11	0.22	0.35	25	8	24	25	31	159	U	1.5	U	3.6	6.4	0.004	5.4	142	U	U	23.9	0.7
A122	04/11/13	P	0.07	0.15	0.27					36	290				1.0	6.6	0.013			U	1.41	23.9	
A124		N			0.35																		
A126	04/11/13	F	0.12	0.25	0.35	45	14	23	23	28	182	0.009	1.6	U	1.8	7.0	U	0.4	144	U	0.56	23.1	1.1
A127	04/11/13	P	0.08	0.17	0.31					25	142				1.0	6.5	0.006			U	U	22.7	
A128		N			0.20																		
A129	04/08/13	F	>1M	>1M	>1M	145	48	23	24	121	697	0.030	1.3	0.012	3.4	7.2	0.031	3.1	434	U	17.6	23.4	1.1
A130	04/08/13	F	0.11	0.22	0.28	75	24	21	21	43	292	U	1.0	U	2.6	6.6	0.005	1.7	199	U	0.83	21.8	0.5
A131	04/08/13	F	0.10	0.21	0.28	59	20	27	28	42	259	U	1.8	0.003	1.9	6.5	0.004	2.7	192	U	0.49	22.2	0.7
A132	04/08/13	F	>1M	>1M	>1M	148	50	23	23	128	735	0.030	1.3	0.011	3.4	7.3	0.026	2.6	440	U	20.7	23.5	1.1
A133		N			0.27																		
A134	04/08/13	P	0.08	0.16	0.28					44	298				5.3	6.6	0.004			U	0.84	23.1	
A135	04/08/13	F	>1M	>1M	>1M	175	58	24	24	157	899	0.070	1.4	0.012	4.2	7.3	0.026	3.2	529	U	33	23.8	0.9
A136		N			0.45																		
A137	04/08/13	P	0.07	0.14	0.25					47	292				2.7	6.6	0.007			U	0.72	25.0	
A138	04/08/13	P	0.07	0.15	0.23					49	273				13.7	7.4	0.004			U	0.5	28.5	
A139		N			0.16																		
A140		N			0.12																		
A141	04/11/13	F	>1M	>1M	>1M	54	15	19	20	26	142	0.003	1.1	U	2.2	6.8	0.011	5.7	155	5	0.88	24.4	1.4
Total			37																				
Full			13																				
Partial			11																				
None			13																				

(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.

*The analyte was detected in both the sample and the associated method blank*

Additional information on the Enhanced Water Quality Monitoring Network can be found at:

[http://sofia.usgs.gov/lox\\_monitor\\_model/wq\\_network.html](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

May-13

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R) Units	Depth1 meter	Total Depth2 meter	DCS3 meter	Alkalinity mg/l	Calcium Dissolved mg/l	Carbon, Dissolved Organic mg/l	Carbon, Total Organic mg/l	Chloride mg/l	Conductivity (Field) mMHSO/cm	Nitrate + Nitrite as Nitrogen mg/l	Nitrogen, Total Kjeldahl mg/l	Ortho-phosphate as Phosphorus mg/l	Oxygen, Dissolved (Field) mg/l	pH (Field) pH units	Phosphorus, Total mg/l	Silica mg/l	Solids, Total Dissolv mg/l	Solids, Total Suspended (TSS) mg/l	Sulfate mg/l	Temperature (Field) DEG C	Turbidity NTU
A101	05/06/13	P	0.06	0.13	0.21					70	443				5.7	6.9	0.014			U	3.06	27.6	
A102		N	0.03	0.06	0.12																		
A103		N	0.03	0.06	0.13																		
A104	05/06/13	F	>1M	>1M	>1M	145	48	24	25	138	181	0.058	1.6	0.007	4.6	7.6	0.038	15.0	486	U	48	25.7	2.7
A105	05/07/13	P	0.06	0.13	0.20					36	287				1.0	6.3	0.009			U	2.01	20.7	
A106		N	0.05	0.09	0.14																		
A107		N	0.03	0.05	0.08																		
A108		N	0.04	0.08	0.20																		
A109	05/07/13	F	0.12	0.25	0.32	40	10	19	20	22	148	U	1.1	0.003	1.8	6.2	0.007	1.4	120	U	0.9	21.6	0.5
A110	05/07/13	P	0.06	0.12	0.23					25	145				5.3	6.7	0.005			U	0.53	21.5	
A111	05/07/13	P	0.06	0.13	0.30					17	116				6.0	6.3	0.004			U	0.55	22.6	
A112	05/07/13	F	0.10	0.21	0.33	36	9	15	15	116	0.005	1.0	U	2.8	6.3	0.006	2.1	88	U	0.72	22.4	0.5	
A113	05/07/13	F	0.10	0.20	0.33	27	7	17	18	19	114	0.007	1.2	U	6.5	6.4	0.005	2.9	101	U	0.5	23.1	0.5
A114	05/08/13	P	0.08	0.16	0.31					22	146				1.1	6.4	0.006			U		21.2	
A115	05/06/13	F	>1M	>1M	>1M	150	48	26	27	150	882	0.069	1.9	0.009	5.4	7.8	0.047	19.8	542	5	56.3	25.9	3.0
A117	05/08/13	P	0.06	0.13	0.27					31	219				0.8	6.7	0.007			U	1.67	22.1	
A118	05/08/13	F	0.11	0.23	0.35	45	13	19	19	27	189	0.007	1.0	U	3.2	6.8	0.006	3.1	136	U	1.03	22.5	0.4
A119	05/08/13	F	0.24	0.24	0.32	36	11	22	22	25	155	0.039	1.3	U	3.3	6.9	0.008	3.6	116	U	0.59	23.2	0.7
A120	05/08/13	F	0.13	0.27	0.40	21	7	20	20	26	132	0.006	1.3	U	7.3	7.0	0.005	5.4	110	U		22.8	0.6
A122	05/08/13	P	0.06	0.13	0.26					26	196				1.7	6.6	0.008			U	1.22	23.9	
A124	05/08/13	P	0.06	0.13	0.40					27	155				1.0	6.2	0.007			U	0.46	21.3	
A126	05/08/13	F	0.12	0.24	0.37	40	13	18	18	21	155	0.003	1.2	U	1.8	6.2	0.004	2.3	127	U	0.69	21.6	0.5
A127	05/08/13	F	0.11	0.22	0.35	17	7	19	19	20	112	0.008	1.1	0.003	1.2	6.2	0.005	5.9	99	U		20.8	0.5
A128	05/08/13	P	0.06	0.13	0.23					22	1224				0.2	6.1	0.004			U		20.9	
A129	05/06/13	F	>1M	>1M	>1M	177	59	30	31	233	1155	U	2.1	0.005	4.1	7.5	0.045	9.8	706	7	38.5	26.0	3.2
A130	05/06/13	F	0.11	0.22	0.30	64	21	18	18	33	233	0.010	0.9	0.002	2.5	6.4	0.005	2.5	162	U	1.02	24.0	0.5
A131	05/06/13	F	0.10	0.20	0.28	49	15	23	23	32	201	0.007	1.6	0.004	4.4	6.7	0.007	6.2	173	U	0.59	23.5	0.8
A132	05/06/13	F	>1M	>1M	>1M	188	62	29	30	234	1160	U	2.0	0.006	4.7	7.6	0.041	9.9	686	6	39.7	25.8	3.0
A133		N	0.03	0.06	0.31																		
A134	05/06/13	P	0.08	0.17	0.37					36	245				2.7	6.6	0.007			U	0.79	23.6	
A135	05/06/13	F	>1M	>1M	>1M	203	69	28	29	224	1203	0.003	2.0	0.007	7.6	7.9	0.060	11.6	724	6.5	43.8	26.7	2.7
A136	05/06/13	P	0.07	0.15	0.46					40	270				4.3	6.7	0.014			U	0.85	27.9	
A137	05/06/13	P	0.07	0.15	0.27					38	251				8.3	6.9	0.008			U	0.67	27.5	
A138	05/06/13	P	0.07	0.15	0.25					41	230				2.7	7.0	0.007			U	0.51	27.5	
A139	05/06/13	P	0.05	0.10	0.21					44	215				1.6	6.7	0.006			U	0.52	28.2	
A140	05/06/13	P	0.08	0.17	0.23					28	179				9.7	7.0	0.005			U	0.98	29.7	
A141	05/08/13	F	>1M	>1M	>1M	41	11	15	15	20	148	0.009	1.2	0.003	1.5	6.7	0.011	3.7	103	7.5	0.7	23.4	2.0
Total			37																				
Full			16																				
Partial			15																				
None			6																				

(1) Sample depth

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Field notes are maintained by the Everglades Program Team at the A.R.M. Loxahatchee National Wildlife Refuge.

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R) Units	Depth <sup>1</sup> meter	Total Depth <sup>2</sup> meter	DCS <sup>3</sup> meter	Alkalinity mg/l	Calcium Dissolved mg/l	Carbon, Dissolved Organic mg/l	Carbon, Total Organic mg/l	Chloride mg/l	Conductivity (Field) mMHSO/cm	Nitrate + Nitrite as Nitrogen mg/l	Nitrogen, Total Kjeldahl mg/l	Ortho-phosphate as Phosphorus mg/l	Oxygen, Dissolved (Field) mg/l	pH (Field) pH units	Phosphorus, Total mg/l	Silica mg/l	Solids, Total Dissolved mg/l	Solids, Total Suspended (TSS) mg/l	Sulfate mg/l	Temperature (Field) DEG C	Turbidity NTU	
A101	06/11/13	F	0.30	0.60	0.69	230.00	86	36	36	94	871	0.808	2.7	0.155	0.9	7.0	0.179	19.5	590	U	77.2	28.0	1.0	
A102	06/11/13	F	0.24	0.48	0.55	204	71	30	30	117	687	0.339	1.8	0.004	1.6	7.1	0.016	19.7	580	U	64.5	29.1	0.9	
A103	06/11/13	F	0.27	0.54	0.58	213	76	33	33	108	880	0.494	2.3	0.004	1.9	7.2	0.021	20.2	597	U	71.4	29.0	1.1	
A104	06/11/13	F	>1M	>1M	>1M	226	83	34	34	101	884	1.940	3.0	0.242	1.7	7.1	0.270	18.5	584	8	72.2	29.4	4.9	
A105	06/11/13	F	0.30	0.59	0.66	217	81	34	34	95	848	1.280	2.7	0.129	1.4	7.2	0.153	17.9	561	U	71.7	28.7	1.4	
A106	06/11/13	F	0.28	0.57	0.61	224	83	34	34	106	907	1.060	2.4	0.005	1.8	7.1	0.019	20.1	590	U	76.1	28.5	1.3	
A107	06/11/13	F	0.21	0.43	0.50	122	41	23	23	85	584	0.015	1.3	0.003	2.4	7.3	0.012	15.0	371	U	34.4	30.2	0.6	
A108	06/11/13	F	0.21	0.42	0.53	23	6	18	17	15	105	U	1.2	U	4.6	7.3	0.010	1.1	94	U	0.71	31.4	1.0	
A109	06/12/13	F	0.29	0.58	0.65	151	54	25	25	104	717	U	1.4	0.006	0.8	6.7	0.013	20.1	458	U	51.1	29.0	0.5	
A110	06/12/13	F	0.21	0.43	0.57	35	10	17	17	23	153	U	1.0	U	2.3	7.0	0.008	4.1	111	U	1.87	29.1	0.7	
A111	06/12/13	F	0.23	0.47	0.54	23	6	13	14	12	975	U	0.8	U	2.9	7.0	0.008	2.2	74	U	0.77	29.8	0.6	
A112	06/12/13	F	0.26	0.52	0.61	77	26	20	20	84	480	U	1.1	0.004	0.8	6.8	0.017	14.6	299	U	21.4	29.0	0.5	
A113	06/12/13	F	0.22	0.44	0.56	23	6	15	15	11	904	0.003	0.9	U	2.8	6.7	0.007	1.4	74	U	0.6	29.7	0.6	
A114	06/12/13	F	0.18	0.37	0.54	17	5	18	18	8	77	0.004	1.0	U	2.1	6.9	0.024	1.5	68	U	0.53	29.6	0.7	
A115	06/11/13	F	>1M	>1M	>1M	235	87	34	34	121	983	0.985	2.6	0.047	5.8	7.6	0.083	22.0	647	13	89.2	30.0	7.5	
A117	06/13/13	F	0.16	0.32	0.51	114	38	22	22	84	561	U	1.2	0.005	0.7	6.6	0.016	16.3	353	U	34.9	27.1	0.7	
A118	06/13/13	F	0.22	0.45	0.59	38	11	16	16	20	148	U	0.8	U	1.4	6.2	0.009	3.7	111	U	1.43	28.0	0.5	
A119	06/13/13	F	0.21	0.43	0.54	17	5	11	11	9	76	0.002	0.7	0.003	3.7	6.2	0.007	1.8	64	U	0.53	28.1	1.2	
A120	06/13/13	F	0.22	0.45	0.67	13	4	11	11	12	79	U	0.8	0.003	1.5	6.0	0.006	2.7	59	U	U	27.9	0.7	
A122	06/13/13	F	0.15	0.30	0.46	49	14	18	18	27	196	U	0.8	U	1.4	6.8	0.011	5.4	133	U	2.91	27.6	0.5	
A124	06/12/13	P	0.09	0.18	0.45					17	93				0.3	6.7	0.185			U	0.51	26.9		
A126	06/13/13	F	0.18	0.36	0.53	34	10	13	13	12	106	0.004	0.9	U	0.7	6.9	0.013	2.3	79	U	0.98	26.7	0.8	
A127	06/13/13	F	0.17	0.35	0.55	15	5	13	13	11	74	U	0.9	U	1.4	6.4	0.003	4.2	60	U	0.46	27.1	0.8	
A128	06/12/13	F	0.16	0.32	0.41	13	4	12	12	9	64	U	0.8	U	3.4	6.8	0.006	1.5	55	U	0.47	29.9	0.5	
A129	06/11/13	F	>1M	>1M	>1M	145	56	13	14	54	508	0.109	1.1	0.032	2.6	7.3	0.054	7.1	300	7	27.5	29.2	2.3	
A130	06/10/13	F	0.26	0.53	0.65	99	36	13	14	73	460	U	0.9	0.007	2.0	6.6	0.022	5.8	269	U	18	28.0	0.7	
A131	06/10/13	F	0.25	0.50	0.61	30	9	11	12	13	104	0.004	0.8	0.004	3.5	6.5	0.009	3.0	72	U	0.8	29.3	0.6	
A132	06/11/13	F	>1M	>1M	>1M	149	56	13	13	52	496	0.074	1.0	0.038	1.9	7.2	0.055	6.8	305	U	25.6	28.9	0.8	
A133	06/10/13	F	0.27	0.55	0.90	142	54	16	16	79	589	0.002	1.1	0.009	2.6	6.8	0.029	9.2	360	U	35.7	28.3	0.8	
A134	06/10/13	F	0.31	0.63	0.80	150	57	16	16	78	602	0.007	1.0	0.006	1.8	6.9	0.014	9.2	372	U	36.6	27.9	0.8	
A135	06/11/13	F	>1M	>1M	>1M	146	56	13	13	50	483	0.051	0.9	0.040	3.0	7.3	0.058	6.5	298	U	23.8	29.2	0.7	
A136	06/10/13	F	0.33	0.67	0.95	153	60	16	16	73	602	0.195	1.1	0.006	2.7	7.2	0.021	9.0	360	U	40.2	29.0	1.2	
A137	06/10/13	F	0.29	0.58	0.65	149	58	16	16	78	606	0.018	1.0	0.005	4.3	7.1	0.014	9.4	378	U	37.8	28.8	0.9	
A138	06/10/13	F	0.26	0.54	0.65	116	43	15	15	84	55	0.003	0.9	0.004	4.4	7.0	0.012	7.3	318	U	25.3	29.4	0.5	
A139	06/10/13	F	0.22	0.45	0.57	18	6	13	13	12	84	0.004	0.9	0.003	6.4	7.3	0.009	1.7	63	U	0.79	30.1	1.0	
A140	06/11/13	F	0.30	0.59	0.65	147	55	17	18	84	624	0.002	1.1	0.003	1.4	7.0	0.027	10.5	377	U	38.7	28.0	0.7	
A141	06/13/13	F	>1M	>1M	>1M	33	9	13	13	16	123	0.005	0.9	U	0.8	6.5	0.009	3.1	81	U	0.73	28.1	0.9	
Total			37																					
Full			36																					
Partial			1																					
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.

*The analyte was detected in both the sample and the associated method blank*

*The sample was held beyond the allowable hold time*

Additional information on the Enhanced Water Quality Monitoring Network can be found at:

[http://sofia.usgs.gov/lox\\_monitor\\_model/wq\\_network.html](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.

**AR.M. Loxahatchee National Wildlife Refuge  
Enhanced Water Quality Monitoring Network**

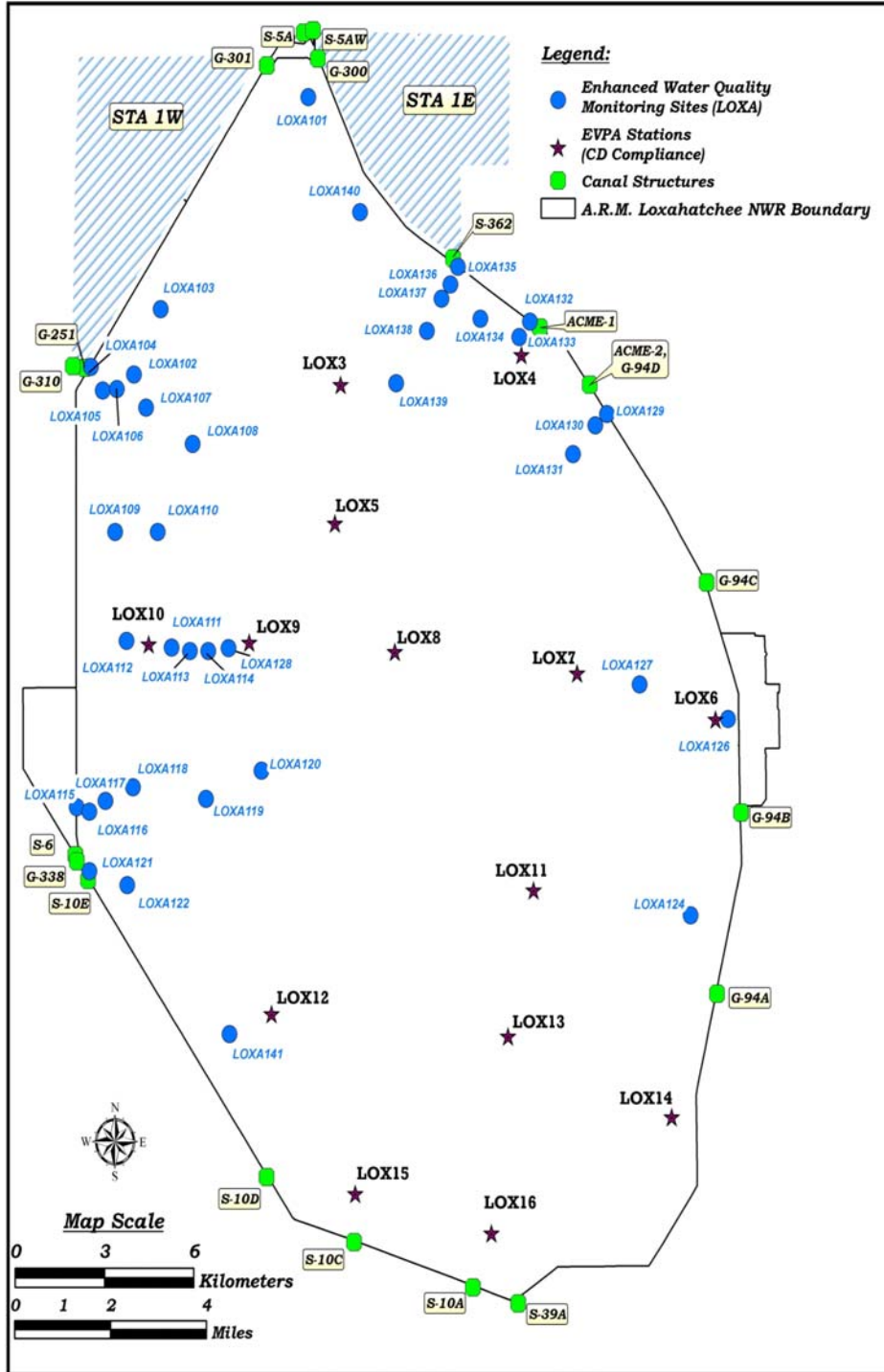
Parameter Information:

<b>Parameter</b>	<b>Units</b>	<b>Analysis Method</b>	<b>MDL</b>
Alkalinity as CaCO <sub>3</sub> , 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](http://sofia.usgs.gov/lox_monitor_model/workplans/EnhancedWQsamplingStations_.pdf)