

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

October through December, 2015 Data Update
Submitted January 22, 2016

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 ¹ meter	Total Depth ² meter	DCS ³ meter	Alkalinity mg/l	Calcium Dissolved mg/l	Carbon, Dissolved Organic mg/l	Carbon, Total Organic mg/l	Chloride mg/l	Conductivity (Field) µMHSO/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	10/13/15	F	0.16	0.32	0.47	197	73	24	23	125	845	U	1.5	0.003	1.0	7.1	0.017	17.2	526	U	42.9	24.6	0.7	
A102	10/13/15	F	0.19	0.39	0.41	166	50	23	25	113	702	U	1.5	U	2.4	7.1	0.014	15.4	430	U	17.8	27.0	1.0	
A103	10/13/15	F	0.17	0.35	0.41	150	46	26	26	113	672	U	1.4	U	1.7	7.0	0.015	13.7	414	U	9.8	26.3	0.6	
A104	10/14/15	F	>1M	>1M	>1M	180	61	24	24	118	833	0.036	1.6	0.007	4.9	7.6	0.027	19.3	522	U	58.2	27.9	1.0	
A105	10/13/15	F	0.23	0.46	0.52	196	66	26	26	122	827	U	1.6	0.003	1.4	7.1	0.023	18.9	522	U	35.5	26.2	0.9	
A106	10/13/15	F	0.20	0.41	0.43	171	54	24	23	116	742	U	1.4	U	2.5	7.2	0.014	17.4	451	U	19.5	27.2	0.7	
A107	10/13/15	F	0.16	0.33	0.35	55	22	35	34	67	340	U	1.9	U	2.3	6.0	0.012	8.9	239	U	U	27.2	0.5	
A108	10/13/15	F	0.15	0.30	0.33	21	7	21	22	17	99	U	1.5	U	4.7	6.5	0.009	6.3	100	U	U	29.2	2.0	
A109	10/14/15	F	0.25	0.50	0.62	59	18	16	17	43	265	U	1.0	0.003	0.2	6.4	0.013	11.3	178	U	10.1	26.5	0.9	
A110	10/14/15	F	0.15	0.30	0.45	25	6	13	12	8	77	U	0.9	0.002	2.5	6.4	0.006	5.8	66	U	U	27.2	1.0	
A111	10/14/15	F	0.16	0.32	0.40	36	10	14	14	24	146	U	1.0	0.002	4.6	6.6	0.008	8.2	99	U	U	28.5	0.6	
A112	10/14/15	F	0.23	0.46	0.59	87	27	19	19	74	421	U	1.1	0.004	0.2	6.5	0.013	14.0	262	U	8.8	26.3	0.9	
A113	10/14/15	F	0.16	0.33	0.38	33	8	16	15	16	111	U	1.1	0.002	4.3	6.5	0.011	8.2	94	U	U	28.5	0.8	
A114	10/14/15	F	0.21	0.42	0.53	26	7	17	17	15	100	U	1.2	0.003	3.5	6.5	0.010	8.1	93	U	U	28.5	0.9	
A115	10/14/15	F	>1M	>1M	>1M	200	67	28	28	139	945	0.027	1.8	0.006	3.3	7.6	0.028	23.4	594	U	68.1	28.1	0.8	
A117	10/15/15	F	0.24	0.48	0.51	174	59	26	27	115	779	U	1.6	0.010	1.2	7.0	0.020	20.2	495	U	48	27.0	1.4	
A118	10/15/15	F	0.24	0.49	0.59	133	43	22	23	98	615	U	1.5	0.009	1.2	6.9	0.016	20.8	396	U	25.8	27.5	0.5	
A119	10/15/15	F	0.25	0.50	0.59	40	11	16	16	25	158	U	1.0	0.023	3.5	6.6	0.012	11.0	122	U	U	27.4	0.7	
A120	10/15/15	F	0.25	0.50	0.61	23	7	18	18	16	99	U	1.2	0.005	3.8	6.4	0.008	6.3	95	U	U	27.4	0.6	
A122	10/15/15	F	0.21	0.42	0.56	154	51	24	24	102	671	U	1.5	0.009	U	6.9	0.022	18.2	426	U	30.9	26.2	1.1	
A124	10/14/15	F	0.17	0.35	0.48	81	27	16	15	70	385	U	0.9	0.004	1.3	6.4	0.019	14.4	244	U	4.1	26.8	0.9	
A126	10/15/15	F	0.27	0.55	0.63	181	65	23	24	116	786	U	1.5	0.011	1.0	7.0	0.012	15.7	485	U	41.7	27.0	0.7	
A127	10/15/15	F	0.27	0.55	0.61	30	8	19	19	21	109	U	1.4	0.006	5.0	6.6	0.011	12.0	109	U	U	28.1	0.6	
A128	10/14/15	F	0.15	0.31	0.49	22	7	20	19	17	94	U	1.4	0.003	6.9	6.8	0.008	6.2	94	U	U	29.2	0.7	
A129	10/14/15	F	>1M	>1M	>1M	176	65	22	21	109	785	0.014	1.3	U	3.5	7.5	0.013	13.3	490	U	47	28.3	0.5	
A130	10/12/15	F	0.27	0.55	0.60	184	64	26	26	116	790	U	1.5	U	0.8	6.9	0.013	16.1	491	U	31.2	26.6	1.4	
A131	10/12/15	F	0.24	0.48	0.49	128	44	19	19	97	583	U	1.2	0.004	2.4	7.0	0.011	16.6	367	U	15.9	27.2	0.6	
A132	10/14/15	F	>1M	>1M	>1M	164	61	20	19	102	716	0.012	1.1	0.003	4.2	7.5	0.015	11.3	438	U	41.6	28.5	0.9	
A133	10/12/15	F	0.21	0.43	0.49	199	71	25	24	125	853	U	1.5	0.004	0.3	7.0	0.022	15.9	527	U	39.4	25.6	1.1	
A134	10/12/15	F	0.22	0.45	0.59	212	72	25	25	129	869	U	1.4	0.005	1.4	7.1	0.014	16.6	540	U	41.9	27.0	0.4	
A135	10/14/15	F	>1M	>1M	>1M	163	61	19	19	99	706	0.007	1.2	0.004	3.4	7.5	0.018	11.5	433	U	40.5	28.0	1.4	
A136	10/12/15	F	0.25	0.50	0.54	197	73	26	25	132	912	U	1.6	0.005	0.8	7.1	0.020	17.0	564	U	54.4	26.8	0.6	
A137	10/12/15	F	0.21	0.42	0.48	196	71	25	25	124	858	U	1.5	0.005	4.1	7.1	0.014	16.7	524	U	39.3	27.8	0.3	
A138	10/12/15	F	0.22	0.45	0.48	190	68	25	26	114	798	U	1.4	U	2.8	7.2	0.011	17.8	492	U	33.9	28.7	0.4	
A139	10/12/15	F	0.21	0.42	0.44	46	18	29	29	74	337	U	1.7	0.003	4.7	6.7	0.012	16.1	249	U	2.6	28.3	0.7	
A140	10/13/15	F	0.19	0.38	0.45	190	69	26	26	120	803	U	1.5	0.003	2.3	7.2	0.014	17.6	496	U	28.7	25.6	0.6	
A141	10/15/15	F	>1M	>1M	>1M	144	45	23	23	105	673	U	1.5	0.009	0.6	6.9	0.016	18.4	431	U	36.6	28.3	1.2	
Total			37																					
Full			37																					
Partial			0																					
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

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

Nov-15

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R) Units	Depth ¹ meter	Total Depth ² meter	DCS ³ meter	Alkalinity mg/l	Calcium Dissolved mg/l	Carbon, Dissolved Organic mg/l	Carbon, Total Organic mg/l	Chloride mg/l	Conductivity (Field) µMHSO/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	11/09/15	F	0.15	0.30	0.39	196	68	23	22	110	799	0.002	1.4	0.006	0.9	7.0	0.019	15.5	490	U	30.8	25.3	0.7
A102	11/10/15	F	0.18	0.37	0.38	155	46	29	28	120	723	U	1.8	0.005	1.7	7.2	0.010	11.2	445	U	10.5	27.6	0.7
A103	11/10/15	F	0.17	0.34	0.35	146	44	30	29	121	699	U	1.7	0.005	1.9	7.1	0.010	9.6	418	U	7.2	27.3	0.7
A104	11/12/15	F	>1M	>1M	>1M	176	59	21	21	107	739	0.012	1.4	0.005	2.5	7.4	0.020	14.4	449	U	36.3	28.1	0.7
A105	11/10/15	F	0.22	0.45	0.50	203	63	31	31	139	909	U	2.0	0.007	0.2	7.1	0.022	23.0	550	U	32.1	26.3	1.4
A106	11/10/15	F	0.15	0.31	0.32	186	55	27	27	125	808	U	1.6	0.007	1.9	7.2	0.013	23.1	498	U	18.1	27.6	0.8
A107	11/10/15	F	0.14	0.29	0.30	49	20	33	32	69	329	U	1.8	0.003	1.7	6.6	0.011	11.9	249	U	0.8	27.4	0.7
A108	11/10/15	F	0.15	0.30	0.32	24	7	27	26	20	118	U	1.7	0.004	3.9	6.4	0.008	9.1	124	U	U	28.0	0.7
A109	11/10/15	F	0.22	0.45	0.53	66	21	18	18	51	320	U	1.0	0.007	0.3	6.5	0.009	15.6	210	U	5	26.9	0.4
A110	11/10/15	F	0.18	0.37	0.38	28	8	15	14	12	97	U	1.1	0.005	4.4	6.6	0.010	8.9	86	U	U	28.2	0.8
A111	11/10/15	F	0.16	0.33	0.34	36	11	16	16	29	165	U	1.1	0.005	3.3	6.5	0.010	10.5	126	U	U	29.0	0.7
A112	11/10/15	F	0.23	0.46	0.53	91	28	21	21	80	466	U	1.3	0.004	1.8	6.8	0.010	18.8	298	U	7.9	27.4	0.5
A113	11/10/15	F	0.20	0.41	0.50	33	9	18	18	18	122	U	1.3	0.005	5.7	6.8	0.009	8.1	110	U	U	29.6	0.7
A114	11/12/15	F	0.18	0.37	0.48	27	7	20	21	16	112	U	1.4	0.003	2.2	6.4	0.009	8.6	83	U	U	27.4	0.6
A115	11/12/15	F	>1M	>1M	>1M	177	62	24	24	119	840	U	1.6	0.005	3.0	7.4	0.016	18.5	510	U	57.5	28.0	0.6
A117	11/12/15	F	0.23	0.46	0.73	189	55	28	29	115	791	U	1.6	0.005	1.4	7.0	0.013	25.4	491	U	40.7	27.1	0.6
A118	11/12/15	F	0.24	0.48	0.56	139	42	24	23	102	656	U	1.4	0.004	1.7	7.0	0.010	25.0	402	U	24.2	27.1	0.4
A119	11/12/15	F	0.21	0.42	0.55	45	13	18	18	33	199	U	1.1	0.003	2.6	6.6	0.007	13.0	144	U	0.7	27.5	0.6
A120	11/12/15	F	0.23	0.47	0.59	25	8	20	20	19	113	0.003	1.3	0.003	3.4	6.3	0.010	7.9	101	U	0.6	27.6	0.2
A122	11/12/15	F	0.18	0.38	0.50	143	46	28	28	98	653	U	1.6	0.005	U	6.8	0.017	20.7	389	U	24.4	26.7	1.4
A124	11/12/15	F	0.23	0.46	0.63	46	17	21	21	63	308	U	1.1	0.007	U	6.4	0.024	13.7	192	U	1	26.5	0.8
A126	11/12/15	F	0.25	0.51	0.60	175	62	25	24	119	783	U	1.5	0.004	2.0	7.1	0.009	18.6	469	U	27.8	27.0	0.6
A127	11/12/15	F	0.22	0.43	0.57	24	9	21	21	23	127	U	1.6	0.003	3.9	6.4	0.008	14.6	125	U	0.6	27.8	0.7
A128	11/12/15	F	0.16	0.34	0.43	24	7	21	21	16	104	U	1.5	0.004	4.6	6.5	0.007	8.2	93	U	U	27.9	0.6
A129	11/12/15	F	>1M	>1M	>1M	181	57	19	20	111	757	U	1.3	0.003	4.8	7.4	0.019	10.4	435	U	36.2	29.8	0.9
A130	11/09/15	F	0.19	0.39	0.50	182	127	826	U	127	826	U	0.4	7.0	0.008	17.3	494	U	18	26.3	0.6		
A131	11/09/15	F	0.17	0.35	0.53	124	98	595	U	98	595	U	1.9	7.1	0.007	18.9	366	U	7.5	26.8	0.5		
A132	11/12/15	F	>1M	>1M	>1M	178	63	18	18	119	802	0.013	1.2	0.004	4.4	7.4	0.017	9.4	467	U	39.1	30.0	0.8
A133	11/09/15	F	0.15	0.31	0.41	183	62	23	23	108	765	U	1.5	0.009	0.5	7.1	0.014	13.8	454	U	21.4	25.7	1.8
A134	11/09/15	F	0.22	0.45	0.50	185	63	24	24	111	789	U	1.5	0.005	1.4	7.2	0.007	14.9	483	U	25.5	26.8	0.7
A135	11/12/15	F	>1M	>1M	>1M	186	63	18	19	131	870	0.054	1.4	0.003	2.4	2.2	0.014	9.9	490	U	40.3	28.7	0.8
A136	11/09/15	F	0.20	0.41	0.46	175	59	20	20	92	713	U	1.5	0.005	0.8	7.1	0.014	12.5	418	U	23.6	27.2	0.9
A137	11/09/15	F	0.20	0.41	0.45	187	63	25	25	116	828	U	1.7	0.005	3.4	7.2	0.010	18.5	503	U	31.4	27.6	0.3
A138	11/09/15	F	0.22	0.44	0.48	183	63	27	27	117	800	U	2.1	0.006	3.2	7.4	0.006	19.6	494	U	21.2	28.1	0.6
A139	11/09/15	F	0.16	0.32	0.33	59	23	35	35	92	434	U	2.1	0.006	0.7	6.7	0.011	20.0	329	U	2	29.9	0.6
A140	11/09/15	F	0.17	0.35	0.43	174	62	30	29	124	806	U	1.8	0.007	5.4	7.3	0.009	19.9	502	U	23.1	26.8	0.5
A141	11/12/15	F	>1M	>1M	>1M	128	40	23	23	91	551	U	1.4	0.004	0.1	6.8	0.005	19.1	361	U	20.4	26.4	0.5
Total			37																				
Full			37																				
Partial			0																				
None			0																				

(1) Sample depth

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

(3) Depth to consolidated substrate

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Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R) Units	Depth ¹ meter	Total Depth ² meter	DCS ³ meter	Alkalinity mg/l	Calcium Dissolved mg/l	Carbon, Dissolved Organic mg/l	Carbon, Total Organic mg/l	Chloride mg/l	Conductivity (Field) µMHSO/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	12/08/15	F	0.26	0.52	0.57		52		19	89	619	U	0.9	0.003	1.2	7.3	0.011				13.5	21.2	
A102	12/08/15	F	0.24	0.49	0.51		52		27	116	718	U	1.4	U	2.4	7.4	0.010				10.9	21.3	
A103	12/08/15	F	0.26	0.53	0.55		46		27	107	644	U	1.2	0.002	1.7	7.2	0.013				8.7	20.8	
A104	12/08/15	F	>1M	>1M	>1M		58		22	125	832	0.039	1.4	0.005	4.8	7.7	0.018				39	22.3	
A105	12/08/15	F	0.25	0.51	0.61		56		23	111	751	U	1.2	0.005	0.3	7.5	0.013				28.3	21.3	
A106	12/08/15	F	0.27	0.55	0.57		53		25	103	706	U	1.1	0.002	2.5	7.4	0.009				21.8	21.5	
A107	12/08/15	F	0.26	0.52	0.57		25		26	88	437	U	1.2	0.002	2.5	6.9	0.010				1.4	21.4	
A108	12/08/15	F	0.17	0.38	0.54		6		19	17	94	U	1.0	U	3.1	6.5	0.005				0.6	22.3	
A109	12/09/15	F	0.25	0.50	0.67		26		18	69	397	U	1.0	0.004	0.6	6.5	0.008				9.1	21.5	
A110	12/09/15	F	0.17	0.34	0.57		6		12	11	84	U	0.8	U	4.2	6.4	0.005				0.6	21.4	
A111	12/09/15	F	0.25	0.51	0.63		9		12	25	145	U	0.7	0.005	4.8	6.5	0.009				0.6	21.9	
A112	12/09/15	F	0.25	0.50	0.66		25		19	76	432	U	1.0	0.004	0.6	6.5	0.006				7.5	21.5	
A113	12/09/15	F	0.28	0.56	0.65		7		13	16	106	U	0.7	0.003	4.6	6.4	0.008				U	22.2	
A114	12/09/15	F	0.26	0.53	0.62		5		15	13	88	U	0.8	0.002	4.9	6.2	0.011				U	22.1	
A115	12/08/15	F	>1M	>1M	>1M		68		19	108	805	0.048	1.2	0.005	4.2	7.6	0.020				51.1	22.3	
A117	12/07/15	F	0.35	0.70	0.95		41		23	93	611	U	1.2	0.005	2.9	7.1	0.010				25	23.1	
A118	12/07/15	F	0.28	0.57	0.73		29		17	77	468	U	1.0	0.005	4.4	7.2	0.011				12	23.3	
A119	12/07/15	F	0.27	0.55	0.68		8		13	21	123	U	0.8	U	6.0	6.8	0.005				0.6	23.2	
A120	12/07/15	F	0.31	0.62	0.72		5		14	15	83	U	0.8	U	6.0	6.5	0.008				U	23.0	
A122	12/07/15	F	0.27	0.55	0.68		33		21	71	494	U	1.1	0.003	0.3	6.9	0.012				13.7	20.9	
A124	12/09/15	F	0.19	0.38	0.65		13		16	42	211	U	0.8	0.020	1.6	6.1	0.033				0.6	22.3	
A126	12/07/15	F	0.31	0.62	0.73		39		18	87	542	U	1.0	0.003	4.5	7.4	0.009				10.7	23.3	
A127	12/07/15	F	0.29	0.59	0.67		6		15	19	94	U	1.0	U	5.5	6.5	0.009				U	23.2	
A128	12/09/15	F	0.22	0.44	0.57		4		15	12	78	U	1.0	0.003	4.2	6.1	0.008				U	22.4	
A129	12/08/15	F	>1M	>1M	>1M		61		16	98	682	0.028	1.0	0.006	3.6	7.5	0.014				26.7	22.8	
A130	12/10/15	F	0.25	0.50	0.61		45		22	91	584	U	1.1	0.005	1.2	6.9	0.012				8.3	21.8	
A131	12/10/15	F	0.29	0.58	0.62		30		17	74	445	U	0.9	0.004	3.5	7.0	0.008				4	22.2	
A132	12/08/15	F	>1M	>1M	>1M		65		16	91	681	0.026	1.0	0.004	4.5	7.5	0.015				27.1	22.4	
A133	12/10/15	F	0.23	0.47	0.65		62		20	111	734	U	1.2	0.004	0.6	6.9	0.018				26	21.8	
A134	12/10/15	F	0.30	0.60	0.67		62		20	114	757	U	1.1	0.004	1.2	6.5	0.012				28.6	22.1	
A135	12/08/15	F	>1M	>1M	>1M		67		17	92	699	0.028	1.1	0.003	4.2	7.5	0.016				30.9	21.4	
A136	12/10/15	F	0.26	0.52	0.63		53		15	82	585	U	0.9	0.004	1.0	7.0	0.012				24	22.1	
A137	12/10/15	F	0.25	0.50	0.60		55		16	88	634	U	1.0	0.005	3.5	7.1	0.009				24.2	22.5	
A138	12/10/15	F	0.25	0.50	0.55		49		24	91	608	U	1.2	0.003	4.6	7.2	0.006				12.1	22.7	
A139	12/10/15	F	0.20	0.40	0.53		18		25	67	328	U	1.5	0.005	4.5	6.7	0.008				1.5	22.7	
A140	12/08/15	F	0.24	0.48	0.58		53		21	101	666	U	1.1	U	1.6	7.3	0.008				20.7	21.4	
A141	12/07/15	F	>1M	>1M	>1M		30		20	74	466	U	1.1	0.004	2.7	7.1	0.009				12.1	21.9	
Total			37																				
Full			37																				
Partial			0																				
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

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**

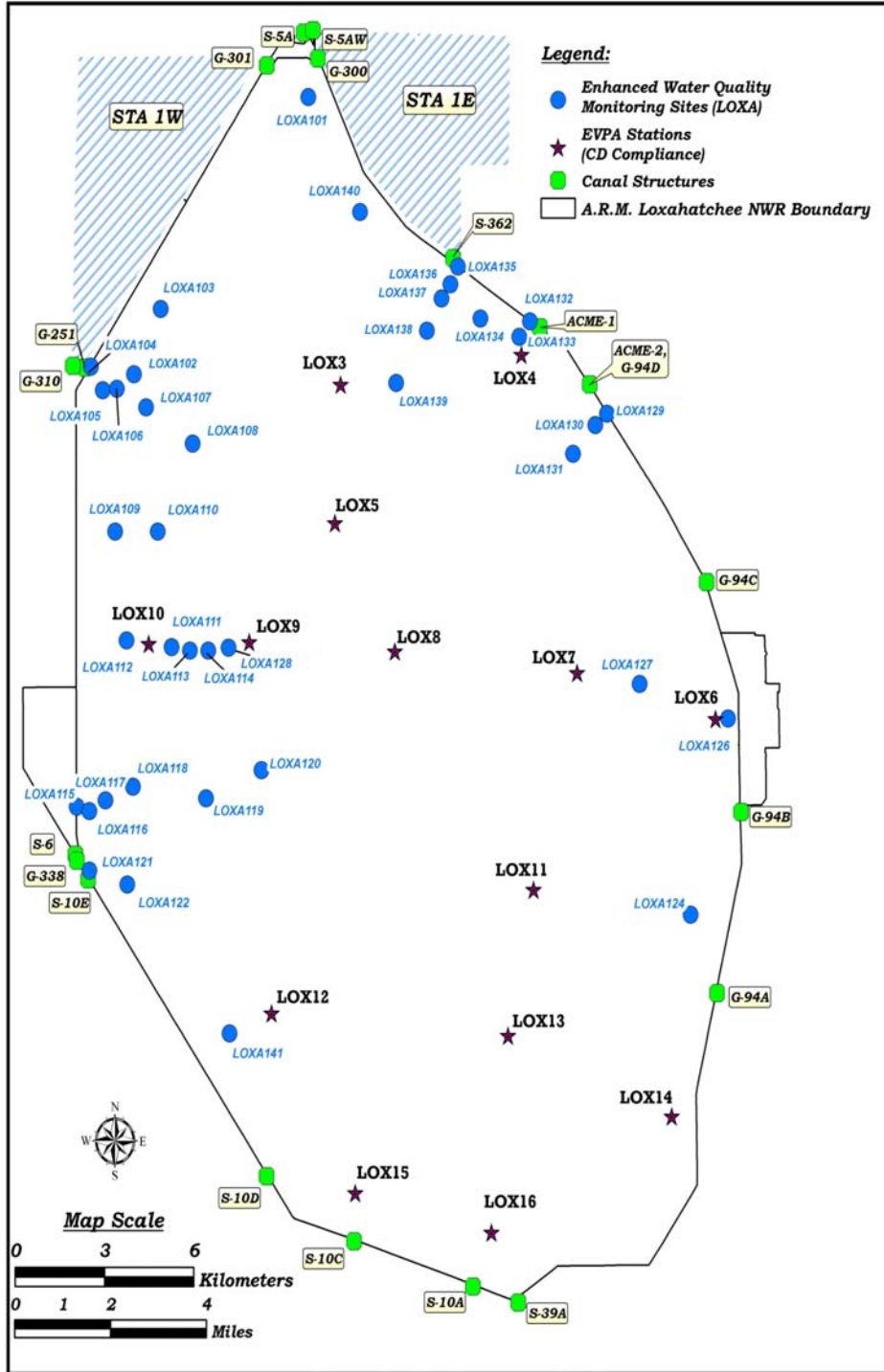
Parameter Information:

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:



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

August 2006

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