

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

*July through September, 2012 Data Update*  
Submitted December 13, 2012

*by:*

**Donatto Surratt**

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

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

Jul-12

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R)	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 (TKN) 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 (TDS) mg/l	Solids, Total Suspended (TSS) mg/l	Sulfate mg/l	Temperature (Field) DEG C	Turbidity NTU
A101	07/19/12	P	0.07	0.14	0.17					46	330				1.63	7.0	0.008			U	1.3	25.9	
A102		N			0.14																		
A103		N			0.05																		
A104	07/17/12	F			>1M	140	44	29	29	139	818	0.044	1.7	0.007	3.73	7.8	0.020	21.5	542	U	60.7	28.8	0.6
A105		N			0																		
A106		N			0.09																		
A107		N			0.14																		
A108	07/17/12	P	0.085	0.17	0.18					22	113				1.58	6.2	0.006			U	U	26.2	
A109	07/17/12	F	0.11	0.22	0.25	31	11	22	23	25	143	U	1.2	U	0.73	6.4	0.007	3.6	134	U	0.9	25.6	0.5
A110	07/17/12	P	0.09	0.18	0.23					20	111				3.26	6.4	0.006			U	0.6	26.5	
A111	07/17/12	P	0.09	0.18	0.27					19	156				2.26	6.5	0.006			U	0.6	26.8	
A112	07/17/12	P	0.085	0.17	0.25					28	183				1.79	6.6	0.006			U	1.0	26.8	
A113	07/17/12	F	0.1	0.2	0.33	26	8	18	18	17	101	U	1.2	U	2.5	6.4	0.007	4.5	103	U	0.5	27.4	0.5
A114	07/17/12	F	0.12	0.24	0.31	23	7	18	18	18	102	U	1.1	U	3.36	6.3	0.005	4.5	104	U	U	27.1	0.5
A115	07/16/12	F			>1M	134	6	27	27	105	667	U	1.1	0.006	4.04	7.6	0.003	17.0	402	U	44.6	29.1	0.8
A117	07/16/12	P	0.05	0.1	0.23					58	378				1.92	6.8	0.011			U	3.2	26.5	
A118	07/16/12	F	0.1	0.2	0.27	55	15	19	19	34	214	U	1.1	0.002	1.49	6.6	0.005	5.3	152	U	1.5	26.4	0.3
A119	07/16/12	P	0.06	0.12	0.25					27	169				3.36	6.8	0.009			U	0.6	27.3	
A120	07/16/12	F	0.14	0.28	0.37	17	43	18	17	22	113	0.013	1.5	0.002	2.62	6.4	0.022	6.4	102	U	U	27.5	0.5
A122	07/16/12	P	0.05	0.11	0.13					32	261				1.3	6.8	0.008			U	2.0	26.3	
A124	07/16/12	P	0.05	0.11	0.27					43	227				1.26	6.5	0.010			U	0.8	26.2	
A126	07/16/12	P	0.09	0.19	0.27					31	203				1.3	6.7	0.005			U	1.1	25.9	
A127	07/16/12	P	0.08	0.16	0.27					18	96				1.32	6.2	0.004			U	U	25.6	
A128	07/17/12	P	0.09	0.19	0.32					20	106				6.32	6.5	0.006			U	U	29.5	
A129	07/19/12	F			>1M	96	35	26	26	52	361	U	1.4	0.015	3.32	7.1	0.039	7.9	233	U	5.2	29.3	1.1
A130	07/19/12	F	0.12	0.24	0.31	53	19	24	24	30	218	U	1.2	0.003	1.82	6.7	0.007	3.3	164	U	1.2	28.9	0.6
A131	07/19/12	F	0.12	0.24	0.3	32	12	26	26	22	138	U	1.9	0.004	3.40	6.6	0.011	9.3	152	U	0.6	29.9	1.0
A132	07/19/12	F			>1M	98	36	26	26	52	365	0.006	1.5	0.021	3.72	7.2	0.043	8.0	236	U	5.6	29.1	1.0
A133		N			0.17																		
A134	07/19/12	P	0.09	0.19	0.29					26	173				1.77	6.7	0.009			U	1.0	28.2	
A135	07/19/12	F			>1M	111	43	22	22	87	539	0.022	1.3	0.006	2.88	7.4	0.025	8.4	312	U	18.0	29.1	0.9
A136	07/19/12	P	0.06	0.15	0.34					36	243				1.13	6.6	0.012			U	0.9	27.8	
A137	07/19/12	P	0.09	0.18	0.29					25	169				2.13	6.7	0.008			U	0.8	28.8	
A138	07/19/12	P	0.08	0.17	0.22					23	127				3.30	6.6	0.006			U	0.7	29.7	
A139	07/19/12	P	0.08	0.17	0.21					20	63				3.95	6.3	0.006			-5	0.5	29.7	
A140	07/19/12	P	0.06	0.15	0.21					29	168				1.32	6.5	0.007			-5	0.7	28.0	
A141	07/17/12	F	0.14	0.28	0.42	49	15	17	18	24	167	-0.002	1.1	-0.002	1.04	6.4	0.014	3.3	141	-5	1.1	26.4	0.9

Total	37
Full	13
Partial	18
None	6

(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](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

Aug-12

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R)	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 (TKN) 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 (TDS) mg/l	Solids, Total Suspended (TSS) mg/l	Sulfate mg/l	Temperature (Field) DEG C	Turbidity NTU
A101	08/14/12	P	0.07	0.15	0.19					35	279				1.65	6.6	0.006			U	1.1	27.8	
A102		N			0.11																		
A103	08/14/12	P	0.05	0.1	0.16					22	162				2.29	6.5	0.008			U	0.7	28.0	
A104	08/15/12	F			>1M	134	41	27	27	129	771	0.063	1.7	0.005	3.59	7.3	0.019	18.4	449	U	44.8	30.4	0.6
A105	08/15/12	P	0.09	0.18	0.25					34	266				6.25	6.9	0.014			U	2.0	28.6	
A106	08/15/12	P	0.06	0.12	0.14					26	73				3.02	6.5	0.008			U	1.2	28.3	
A107		N			0.13																		
A108	08/14/12	P	0.08	0.17	0.22					18	111				5.89	6.4	0.004			U	U	31.1	
A109	08/15/12	F	0.14	0.28	0.31	32	8	16	16	15	109	U	1.1	U	3.23	6.3	0.005	2.6	88	U	0.8	28.9	0.5
A110	08/15/12	F	0.1	0.21	0.26	25	7	19	19	15	110	U	1.4	U	4.3	6.4	0.005	3.2	95	U	0.5	28.9	0.7
A111	08/15/12	P	0.08	0.16	0.23					15	108				2.92	6.1	0.004			U	0.5	27.6	
A112	08/15/12	F	0.1	0.21	0.33	42	12	16	16	16	138	U	1.0	U	1.39	6.4	0.006	4.1	102	U	0.8	28.2	0.5
A113	08/15/12	F	0.1	0.21	0.31	22	7	16	16	15	101	U	1.2	U	2.32	6.2	0.004	4.8	83	U	0.5	28.3	0.5
A114	08/15/12	F	0.1	0.21	0.31	22	7	18	18	17	106	U	1.2	U	1.12	6.2	0.004	4.5	95	U	U	27.4	0.4
A115	08/16/12	F			>1M	107	32	23	23	86	538	0.006	1.4	0.004	4.27	7.0	0.021	12.9	313	U	28.0	30.0	0.8
A117	08/16/12	F	0.12	0.24	0.32	53	15	15	16	25	198	U	0.8	0.003	1.28	6.7	0.013	4.1	127	U	2.1	28.7	0.9
A118	08/16/12	F	0.14	0.27	0.38	39	11	13	13	18	149	U	0.8	U	1.64	6.6	0.007	4.1	90	U	1.2	28.9	0.8
A119	08/16/12	F	0.15	0.29	0.38	33	10	17	17	16	121	U	1.1	U	3.29	6.5	0.007	6.0	99	U	0.6	30.5	0.8
A120	08/16/12	F	0.17	0.35	0.48	16	6	14	14	16	97	U	0.9	U	2.55	6.2	0.005	5.5	67	U	U	30.5	0.7
A122	08/16/12	F	0.12	0.23	0.38	47	14	19	19	24	189	U	1.0	U	1.26	6.5	0.011	3.4	127	U	2.1	28.1	0.9
A124	08/13/12	F	0.1	0.21	0.35	36	12	18	18	30	81	U	1.0	0.002	2.34	6.8	0.014	4.7	114	U	0.7	26.3	0.6
A126	08/13/12	F	0.1	0.21	0.38	64	20	21	21	33	234	U	1.2	U	1.56	6.8	0.007	6.3	165	U	2.3	27.0	0.6
A127	08/13/12	F	0.11	0.22	0.32	21	7	17	17	15	96	U	1.1	U	2.71	6.7	0.008	7.1	93	U	U	28.0	0.5
A128	08/16/12	P	0.08	0.19	0.3					18	105				3.71	6.1	0.005			U	U	30.7	
A129	08/13/12	F			>1M	105	41	17	17	74	490	0.012	1.1	0.002	3.83	7.1	0.020	8.4	286	U	21.0	29.9	0.7
A130	08/13/12	F	0.12	0.25	0.36	45	16	20	20	22	176	U	1.1	U	1.5	6.4	0.009	5.7	120	U	1.1	27.6	0.5
A131	08/13/12	F	0.1	0.21	0.3	31	10	21	21	16	115	U	1.5	0.002	4.33	6.5	0.007	7.1	114	U	0.6	28.6	0.6
A132	08/13/12	F			>1M	120	47	15	15	79	532	0.017	1.0	0.002	3.30	7.4	0.016	8.9	311	U	23.0	29.9	0.6
A133	08/13/12	P	0.05	0.11	0.22					21	192				1.75	6.5	0.018			U	0.9	27.8	
A134	08/13/12	F	0.11	0.23	0.34	40	14	23	23	19	147	U	1.4	0.002	2.03	6.8	0.008	6.5	125	U	0.8	28.9	0.5
A135	08/14/12	F			>1M	121	48	14	14	80	547	0.011	0.9	0.003	4.49	6.7	0.012	9.2	331	U	25.5	30.3	0.5
A136	08/14/12	P	0.09	0.18	0.28					22	190				0.40	6.3	0.012			U	0.8	27.8	
A137	08/14/12	P	0.09	0.19	0.27					19	146				1.96	6.2	0.009			U	0.8	28.1	
A138	08/14/12	F	0.1	0.2	0.24	24	9	26	26	17	112	U	1.8	U	2.18	6.4	0.004	3.7	114	U	0.6	28.0	0.7
A139	08/14/12	F	0.1	0.21	0.26	15	6	25	25	16	93	U	1.7	0.002	0.51	6.8	0.004	3.0	100	U	0.5	27.4	0.6
A140	08/14/12	P	0.08	0.16	0.23					18	133				2.66	6.3	0.005			U	0.7	28.2	
A141	08/16/12	F	0.17	0.34	>1M	52	15	17	17	23	181	U	1.1	0.002	0.57	6.5	0.013	4.3	118	U	1.2	27.9	1.3
Total			37																				
Full			24																				
Partial			11																				
None			2																				

- (1) Sample depth
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A.R.M. Loxahatchee National Wildlife Refuge  
Enhanced Water Quality Monitoring Network

Sep-12

Site	Sample Date	Full(F), Partial(P), None(N), Reanalyzer (R)	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 + Nitrogen mg/l	Nitrogen, Total Kjeldahl (TKN) 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 (TDS) mg/l	Solids, Total Suspended (TSS) mg/l	Sulfate mg/l	Temperature (Field) DEG C	Turbidity NTU
A101	09/11/12	F	0.26	0.53	0.64	138	51	17	15	33	413	U	1.3	0.054	0.54	6.8	0.108	8.7	254	U	15.6	28.1	2.4
A102	09/11/12	F	0.21	0.43	0.53	100	36	19	18	33	352	U	1.1	0.002	2.3	6.9	0.012	13.3	252	U	19.5	29.4	0.6
A103	09/11/12	F	0.24	0.48	0.54	82	28	18	16	27	291	U	1.1	0.002	2.21	6.9	0.010	11.7	202	U	13.1	29.3	0.6
A104	09/12/12	F			>1M	110	39	17	18	32	358	U	1.2	0.021	0.05	7.1	0.059	11.3	229	U	14.0	28.4	2.0
A105	09/12/12	F	0.2	0.4	0.62	135	48	21	23	39	458	U	1.8	0.008	0.79	6.9	0.079	16.0	303	U	28.0	28.3	2.6
A106	09/12/12	F	0.17	0.35	0.53	107	39	19	19	34	378	U	1.2	0.003	1.47	6.9	0.017	13.7	245	U	22.1	28.6	0.8
A107	09/12/12	F	0.17	0.35	0.43	80	25	17	17	28	283	U	1.1	0.003	1.75	6.8	0.011	13.9	181	U	10.9	28.4	0.5
A108	09/11/12	F	0.22	0.44	0.52	32	11	22	21	41	229	U	1.2	0.003	2.63	6.6	0.012	13.5	182	U	4.5	29.6	0.7
A109	09/12/12	F	0.27	0.55	0.69	80	26	19	18	37	325	U	1.1	0.003	1.59	6.7	0.012	16.3	211	U	14.2	28.8	0.5
A110	09/12/12	F	0.25	0.5	0.6	34	12	22	21	39	221	U	1.2	0.002	2.6	6.4	0.010	13.8	163	U	4.4	28.6	0.5
A111	09/12/12	F	0.22	0.45	0.63	15	5	17	16	9	70	U	1.0	U	2.51	6.1	0.005	3.5	70	U	0.5	28.9	0.6
A112	09/12/12	F	0.2	0.4	0.68	31	8	18	18	15	120	U	1.0	U	1.47	6.3	0.010	7.2	91	U	0.9	28.8	0.5
A113	09/12/12	F	0.19	0.38	0.6	13	4	19	18	10	67	U	1.1	U	2.58	6.1	0.006	2.9	80	U	U	28.4	0.6
A114	09/12/12	F	0.21	0.43	0.68	12	4	19	19	11	71	U	1.1	U	0.98	6.1	0.008	2.4	80	U	U	28.3	0.6
A115	09/13/12	F			>1M	134	47	22	21	53	492	U	1.4	0.019	0.64	6.9	0.046	14.5	305	U	23.6	28.2	0.9
A117	09/13/12	F	0.25	0.5	0.62	53	17	18	17	36	257	U	1.0	U	0.66	6.5	0.012	10.4	153	U	7.0	27.8	0.5
A118	09/13/12	F	0.25	0.51	0.66	29	8	14	13	10	93	U	0.8	U	0.91	6.4	0.006	5.3	70	U	0.9	28.1	0.4
A119	09/13/12	F	0.32	0.64	0.73	15	5	16	15	9	65	U	0.9	U	4.56	6.4	0.008	3.0	67	U	0.5	27.4	0.6
A120	09/13/12	F	0.31	0.63	0.71	10	4	15	14	11	65	U	0.9	U	2.65	6.1	0.004	2.4	62	U	U	27.7	0.5
A122	09/13/12	F	0.24	0.49	0.55	41	13	14	14	19	166	U	0.8	U	0.2	7.2	0.009	7.1	108	U	2.1	27.2	0.5
A124	09/10/12	F	0.19	0.38	0.53	17	6	12	12	10	73	U	0.7	0.019	1.14	6.4	0.031	2.6	67	U	0.5	29.0	0.6
A126	09/10/12	F	0.28	0.56	0.7	34	10	12	12	18	132	U	0.8	U	2.38	6.2	0.006	5.8	94	U	1.5	29.9	0.5
A127	09/10/12	F	0.25	0.51	0.69	14	5	14	14	9	67	U	1.0	0.003	4.38	6.4	0.006	3.8	69	U	0.6	30.4	0.6
A128	09/13/12	F	0.24	0.48	0.62	9	4	20	19	11	65	U	1.1	U	3.56	5.9	0.005	2.0	69	U	0.5	27.6	0.7
A129	09/10/12	F			>1M	125	48	11	12	34	383	0.009	0.8	0.035	4.98	7.3	0.048	6.5	224	U	11.4	30.3	1.1
A130	09/10/12	F	0.25	0.51	0.77	101	35	10	10	24	294	U	0.6	0.002	2.26	6.9	0.013	9.0	166	U	5.3	30.3	0.6
A131	09/10/12	F	0.3	0.61	0.68	84	28	10	10	25	262	0.002	0.6	0.002	3.56	6.7	0.008	11.6	162	U	5.0	30.8	0.5
A132	09/10/12	F			>1M	131	51	12	12	36	405	0.011	0.8	0.033	3.08	7.4	0.044	6.6	225	U	12.1	29.9	0.7
A133	09/10/12	F	0.27	0.54	0.74	117	42	10	10	26	330	U	0.8	U	3.16	7.1	0.023	5.6	189	U	6.6	30.1	1.1
A134	09/10/12	F	0.32	0.64	0.77	115	42	10	10	26	330	U	0.7	U	4.71	7.3	0.009	5.7	186	U	7.1	31.0	0.8
A135	09/11/12	F			>1M	130	50	12	12	40	423	0.011	0.9	0.031	3.09	7.1	0.045	7.1	230	U	14.1	28.9	0.7
A136	09/11/12	F	0.26	0.52	0.81	126	47	10	11	28	359	0.002	0.8	U	1.29	6.9	0.020	6.0	204	U	7.7	28.4	1.0
A137	09/11/12	F	0.29	0.58	0.72	114	41	10	10	26	326	U	0.7	U	1.25	6.9	0.022	6.5	186	U	6.4	28.6	0.6
A138	09/11/12	F	0.28	0.57	0.65	99	35	10	10	23	285	0.003	0.7	U	2.08	6.8	0.006	10.3	168	U	5.5	28.6	0.4
A139	09/11/12	F	0.24	0.49	0.56	66	21	13	13	27	232	U	0.9	0.002	0.82	6.6	0.010	13.7	155	U	4.1	28.1	0.8
A140	09/11/12	F	0.26	0.53	0.65	112	41	15	16	31	367	U	1.1	0.002	1.55	6.9	0.014	12.0	225	U	14.8	28.6	0.6
A141	09/13/12	F			>1M	25	7	11	12	10	89	U	0.8	U	0.45	7.9	0.007	4.0	62	U	0.7	27.5	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

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.

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

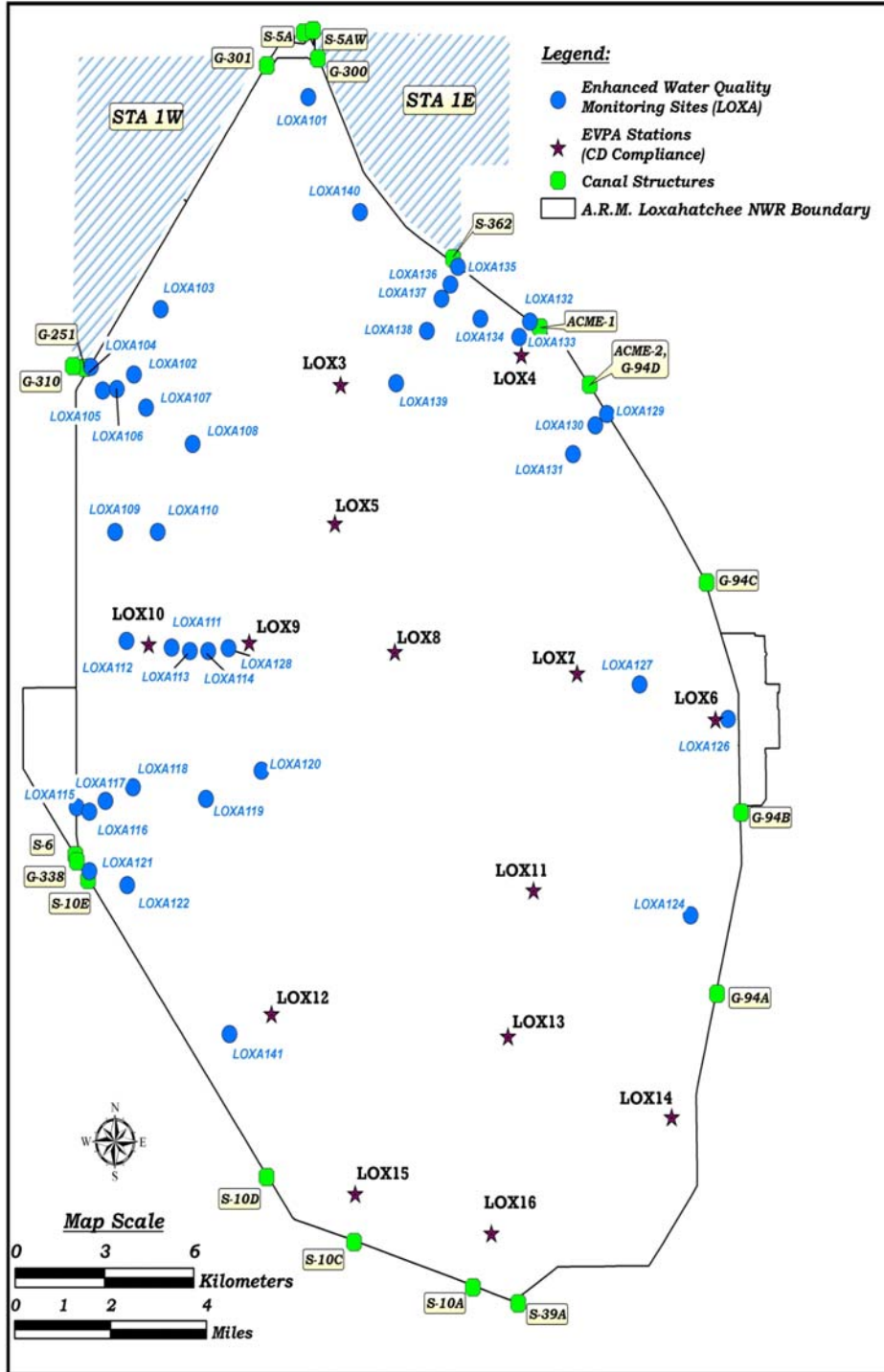
Parameter Information:

<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:



**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](http://sofia.usgs.gov/lox_monitor_model/workplans/EnhancedWQsamplingStations_.pdf)