NELHA Water Quality Laboratory

Anchialine Pond A1

8/31/1993 - 6/30/2024

Site ID	Date	Time	Tide		PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TP		TDN		TOC	Turbidity	Salinity	Chloride	Temp.	pH	DO	Chl a	Fecal Col.	Entero.	ORP
	(M/D/Y)	(2400)	(ft)	(cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(NTU)	(PSU)	(mg/L)	(˚C)	(unit)	(ppm)	(µg/L)	(CFU/100ml)	(CFU/100ml)	(mV)
A1	8/31/93	1017	0.4	Low	1.7	53	28.5	399	9.6	134.0	717	20,137	2.8	86.4	2.9	90	63	887.7	1.84	0.77	12.74	7051	23.9	7.41	2.11	1.93	18	13	
A1	10/26/93	1013	0.8	Flood	3.2	98	107.9	1,511	1.9	27.2	666	18,705	3.5	107.5	3.4	105	132	1,842.9	2.93	0.31	10.29	5698	22.7	7.55	6.13	0.11	246	211	
A1	2/8/94	919	0.2	Low	1.9	57	24.1	338	4.3	59.7	533	14,970	2.0	61.0	2.1	64	47	652.6	2.04	0.28	15.70	8688	22.0	8.07	10.94	1.07	54	164	
A1	6/27/94	844	0.8	High	2.6	80	52.6	737	2.2	30.8	666	18,705	2.6	79.9	2.6	81	62	874.0	0.71	0.42	11.42	6323	23.2	7.65	7.53	0.63	39	44	
A1	7/26/94	1017	0.7	Ebb	2.3	72	52.7	738	1.1	15.0	569	15,982	2.5	78.4	2.6	80	61	856.2	0.71	0.21	12.51	6926	23.9	7.68	7.35	0.34	14	9	
A1	10/17/94	1101	0.7	Ebb	2.6	79	50.4	706	2.0	27.7	634	17,817	2.7	82.1	2.8	86	57	796.5	0.74	0.34	10.95	6063	23.0	7.51	6.85	0.89	<1	9	
A1	3/29/95	1019	0.0	Low	2.7	83	51.1	716	2.1	29.7	618	17,354	2.7	84.9	2.9	90	55	766.4	0.87	2.70	11.49	6361	22.5	7.46	5.58	21.8	1	169	
A1	4/26/95	1155	0.7	Flood	2.5	77	83.9	1,175	2.0	28.3	619	17,371	2.7	83.0	2.8	87	95	1,337.0	2.05	0.74	10.46	5790	26.6	7.92	10.25	1.39	128	34	
A1	8/23/95	1129	1.1	Flood	2.4	75	47.1	660	2.2	31.4	629	17,655	2.7	83.6	2.7	84	54	762.9	0.84	0.56	11.37	6292	25.4	7.82	10.17	1.36	3	<1	
A1	10/17/95	1128	1.7	High	2.7	83	60.9	853	2.5	35.3	645	18,126	2.7	84.2	2.8	85	58	809.0	1.08	0.59	10.13	5609	24.2	7.90	6.23	2.06	22	8	
A1	2/27/96	1144	0.8	High	3.4	106	82.9	1,161	3.4	47.9	610	17,121	3.4	105.9	3.5	107	79	1,102.5	1.35	0.69	10.68	5910	24.3	7.65	6.80	1.89	7	14	
A1	5/8/96	1040	0.4	Ebb	3.3	102	52.8	740	11.8	165.1	575	16,160	3.6	110.9	4.3	132	71	998.1	1.67	1.94	11.02	6097	26.8	7.73	9.30	8.57	15	<1	
A1	7/17/96	1212	0.5	Flood	2.8	86	30.3	424	1.0	14.4	582	16,342	3.3	102.5	3.5	108	49	693.0	2.15	1.62	12.41	6866	31.6	8.17	13.72	2.71	14	5	
A1	10/9/96	1111	1.2	Flood	2.8	86	33.3	467	1.2	16.2	619	17,391	3.4	106.2	3.9	122	53	736.6	1.62	1.96	11.09	6140	26.5	8.19	13.26	9.97	108	66	
A1	1/15/97	1030	1.2	Ebb	2.6	80	80.7	1,130	1.6	22.4	578	16,233	2.6	80.5	2.7	83	90	1,266.5	1.02	0.35	10.42	5766	24.2	8.22	11.77	1.41	9	120	
A1	4/30/97	854	0.4	Flood	5.6	172	100.7	1,410	4.5	63.3	502	14,098	5.7	177.8	5.8	178	104	1,459.4	1.25	0.90	10.44	5777	23.0	7.57	5.78	0.57	6	82	
A1	7/14/97	1022	1.2	Flood	2.9	88	89.7	1,256	2.0	27.7	590	16,570	3.2	99.4	3.2	100	95	1,327.7	0.52	1.30	10.26	5680	25.4	7.91	9.02	0.44	54	1	
A1	10/13/97	1238	1.7	Flood	2.9	89	94.0	1,317	2.5	35.3	594	16,694	3.0	94.2	3.1	96	98	1,374.5	1.23	0.38	10.64	5888	26.0	7.97	8.54	0.49	10	15	
A1	3/11/98	1246	0.8	Flood	3.0	94	72.3	1,013	2.6	36.8	597	16,775	3.2	99.7	3.4	104	79	1,102.2	0.77	0.40	11.81	6534	25.4	7.63	7.36	0.63	7	66	
A1	6/3/98	1120	1.0	Flood	2.8	86	58.3	817	3.3	46.2	607	17,042	2.9	90.4	3.0	92	67	944.1	0.86	0.32	11.26	6231	24.8	7.94	10.55	1.70	33	54	
A1	7/15/98	926	1.2	High	3.0	93	58.8	824	2.1	29.7	594	16,682	3.1	97.3	3.2	99	65	909.4	0.80	0.56	13.03	7210	23.6	7.87	9.54	0.79	2	9	
A1	10/14/98	1006	1.7	Flood	3.3	103	62.0	868	0.1	0.7	611	17,160	3.7	114.3	3.8	119	75	1,044.4	0.91	0.50	12.43	6881	23.7	7.57	6.18	1.03	6	7	
A1	3/3/99	925	0.4	Ebb	2.8	86	34.7	486	7.8	109.3	510	14,324	3.1	95.1	3.1	97	52	732.9	1.21	0.55	15.75	8720	22.9	7.76	7.77	0.74	6	11	
A1	4/14/99	1138	0.5	Flood	2.8	86	49.9	699	0.8	11.2	585	16,430	2.8	86.4	2.8	88	52	729.2	0.84	0.21	13.16	7286	23.1	7.87	9.43	1.32	<1	1	
A1	8/24/99	1004	0.7	Flood	2.6	79	42.2	591	19.0	265.4	732	20,556	2.8	86.7	3.0	94	59	829.4	0.96	1.36	12.18	6744	23.2	7.37	3.00	2.00	13	5	
A1	10/12/99	945	1.0	Ebb	2.7	83	51.6	723	3.0	41.6	565	15,868	2.9	90.1	2.9	91	58	806.0	0.80	0.20	13.27	7348	23.0	7.78	7.18	0.27	9	25	
A1	3/1/00	948	0.4	Flood	3.6	112	20.1	282	6.2	86.3	615	17,267	4.4	137.2	4.4	135	37	512.8	2.00	0.56	13.14	7275	23.0	7.44	3.70	0.21	16	164	
A1	4/24/00	1020	0.3	Ebb	3.3	103	23.4	328	8.4	118.1	584	16,413	3.5	108.7	3.8	116	41	570.0	1.47	0.96	13.24	7329	26.4	8.06	14.59	0.88	34	1	
A1	9/6/00	953	1.7	Flood	2.7	83	57.4	804	1.5	20.7	610	17,124	3.0	92.0	3.0	93	60	840.0	0.87	0.20	12.46	6895	24.0	7.77	7.82	0.37	2	11	
A1	12/20/00	924	0.8	Flood	3.0	93	61.9	867	2.6	36.6	622	17,466	3.2	99.1	3.2	98	66	929.4	1.13	0.20	11.21	6203	22.0	7.59	6.05	0.23	14	10	
A1	2/27/01	935	0.7	Ebb	2.7	84	60.6	849	1.6	23.0	588	16,526	2.8	88.0	2.8	87	64	897.2	0.90	0.18	12.65	6999	22.1	7.58	5.52	0.13	183	417	
A1	5/14/01	1107	0.5	High	3.7	114	37.8	529	3.0	41.7	599	16,823	3.9	119.2	3.9	119	46	641.9	1.35	0.61	12.16	6729	27.2	8.03	13.35	2.58	47	12	
A1	9/11/01	1025	2.1	High	2.6	81	63.5	889	0.7	9.4	596	16,731	2.8	86.7	2.9	90	72	1,013.2	0.92	0.24	12.42	6875	23.9	7.73	6.21	0.27	9	11	
A1	10/31/01	930	0.4	Low	3.2	99	43.2	605	5.4	76.2	565	15,857	3.5	109.6	3.7	115	54	762.5	1.59	0.34	13.86	7672	23.1	7.62	4.93	0.87	27	26	
A1	1/15/02	935	0.9	Ebb	2.6	81	62.5	875	1.9	27.2	538	15,096	2.8	86.1	2.8	85	68	954.7	1.62	0.22	14.28	7907	22.0	7.65	5.41	0.37	132	74	
A1	5/28/02	1355	0.8	Flood	2.8	88	57.5	805	3.7	52.4	604	16,964	3.1	97.3	3.1	97	63	889.1	1.26	0.85	12.26	6785	25.3	7.76	8.62	1.15	1	8	
A1	9/17/02	1040	1.3	Flood	2.7	84	64.4	903	2.2	30.1	626	17,567	3.0	93.2	3.0	94	64	892.3	1.10	0.52	11.29	6251	23.8	7.77	8.71	0.52	1	5	
A1	12/16/02	1040	0.6	Flood	2.9	90	47.8	670	0.1	1.0	582	16,349	3.0	93.5	3.1	95	57	793.1	0.97	0.28	13.27	7347	23.3	7.68	7.73	0.35	13	10	
A1	1/30/03	1350	0.5	Flood	2.7	84	72.5	1,015	6.4	89.5	571	16,042	3.0	93.5	3.0	94	99	1,381.1	1.57	0.54	13.96	7727	25.6	7.74	6.66	1.83	35	158	
A1	5/28/03	1105	0.6	Flood	3.2	100	60.7	850	1.9	26.1	598	16,784	3.5	107.8	3.5	108	76	1,061.7		0.22	11.66	6451	24.2	7.59	6.82	0.68	<100 spreaders	609	
A1	6/4/03																										22	175	
A1	9/18/03	949	1.7	Flood	2.8	87	65.9	923	1.3	17.6	611	17,157	3.2	98.2	3.2	98	71	999.5	2.15	0.17	11.91	6590	23.7	7.73	7.26	1.51	26	18	
A1	11/6/03	1008	0.6	Flood	3.7	113	46.2	647	4.9	69.2	619	17,379	3.9	121.7	4.1	126	59	832.3	1.59	0.22	12.23	6771	22.9	7.55		0.58	142	119	
A1	11/14/03	1026	1.6	Ebb																			23.9		6.10				
A1	1/29/04	945	0.9	Ebb	3.0	93	80.7	1,131	3.3	46.6	591	16,584	3.2	97.9	3.2	98	84	1,180.8	1.38	0.21	11.52	6376	22.0	7.66	5.69	0.53	2	197	
A1	6/1/04	1021	0.2	Flood	3.3	103	74.5	1,043	2.0	28.6	595	16,697	3.6	110.3	3.9	120	83	1,158.1	1.92	0.50	11.20	6199	24.0	7.66	6.45	0.17	6	7	
A1	9/29/04	849	0.7	Ebb	2.9	90	57.4	803	1.7	23.4	563	15,804	3.2	99.7	3.3	103	60	833.4	0.95	0.21	12.95	7168	23.2	7.76	7.68	0.73	7	237	
A1	12/2/04	850	1.9	Ebb	3.2	99	101.4	1,420	1.0	14.6	593	16,643	3.3	103.5	3.3	103	135	1,888.1	0.83	0.20	11.91	6592	22.4	7.86	6.23	0.10	2	87	

NELHA Water Quality Laboratory

Anchialine Pond A1

8/31/1993 - 6/30/2024

Site ID	Date	Time	Tide		PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TP		TDN		TOC	Turbidity	Salinity	Chloride	Temp.	pH	DO	Chl a	Fecal Col.	Entero.	ORP
	(M/D/Y)	(2400)	(ft)	(cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(NTU)	(PSU)	(mg/L)	(˚C)	(unit)	(ppm)	(µg/L)	(CFU/100ml)	(CFU/100ml)	(mV)
A1	1/19/05	900	0.5	Low	3.5	107	106.5	1,492	2.4	33.1	585	16,424	3.7	113.4	3.6	112	118	1,647.2	1.34	0.18	12.63	6993	23.0	7.69	5.54	0.26	15	139	
A1	5/31/05	854	0.5	Flood	3.4	107	69.6	975	2.8	39.1	602	16,902	3.6	111.5	3.7	115	75	1,045.7	1.22	0.25	11.18	6187	22.0	7.73	6.70	0.45	1	143	
A1	8/2/05	1029	0.7	Flood	4.7	144	1.7	24	69.1	968.0	430	12,071	5.6	174.1	5.8	180	88	1,237.8	4.66	1.27	10.86	6010	23.9	8.60	3.86	4.39	6	54	
A1	8/8/05	854																					23.5				3	53	
A1	11/1/05	817	0.8	Ebb	6.8	209	56.2	787	4.7	65.3	538	15,116	7.2	222.4	7.3	227	67	943.8	1.49	0.34	12.72	7042	22.9	7.87	3.17	0.93	76	350	
A1	1/30/06	832	1.0	Ebb	4.5	139	64.5	903	1.0	13.7	479	13,453	4.7	145.0	4.7	147	72	1,014.4	1.13	0.37	15.82	8756	22.2	7.84	4.65	0.08	27	256	
A1	5/25/06	1107	0.5	Flood	4.3	134	70.3	985	3.6	51.0	591	16,599	4.6	143.1	4.7	146	68	949.5	0.81	1.09	11.84	6555	22.5	7.70	3.97	1.51	4	3	
A1	7/27/06	949	0.3	Ebb	4.1	126	36.8	515	3.3	46.2	567	15,924	4.4	136.0	4.4	136	41	572.3	1.32	0.38	13.39	7414	23.0	7.82	5.58	0.42	21	19	
A1	10/31/06	1015	1.7	Flood	6.5	201	97.3	1,363	0.5	7.6	531	14,913	6.8	209.1	7.0	218	103	1,444.7	0.94	0.25	11.86	6567	23.2	7.86	3.59	0.30	3	15	
A1	1/17/07	957	0.2	Low	5.2	162	81.3	1,139	4.5	63.6	515	14,464	5.6	172.8	5.6	173	84	1,169.6	1.45	0.41	13.84	7662	21.8	7.74	4.12	0.57	13	69	
A1	6/26/07	1004	0.8	Flood	4.1	126	78.2	1,096	1.1	14.8	364	10,236	4.9	151.9			86	1,209.6		0.20	12.46	6897	23.1	7.62	7.81	0.15	2	21	
A1	9/24/07	1403	2.0	Flood	4.2	131	84.8	1,188	1.5	21.1	657	18,466	4.1	126.8			90	1,261.4		0.11	16.27	9006	24.6	8.25	6.91	0.15			
A1	12/11/07	1038	0.8	Ebb	39.2	1,215	611.4	8,563	73.9	1,034.6	361	10,151	42.1	#####			942	13,199.4		2.27	8.57	4744	22.8	9.25	2.46	7.56			
A1	1/29/08	1049	0.6	Ebb	6.4	197	48.2	676	3.0	42.2	329	9,246	7.3	227.4			63	889.4		n/a	11.52	6377	20.4	8.01	8.30	3.26			
A1	2/28/08	1005	0.4	Ebb	3.1	98	42.5	596	3.0	41.6	298	8,377	4.9	152.3			80	1,119.8		3.81	11.31	6260	21.6	8.08	4.76	4.69			
A1	2/28/08	2312	1.6	High	5.7	177	102.5	1,436	1.4	19.6	559	15,711	5.2	161.1			104	1,451.3		0.31	10.83	5995	21.7	7.97	4.21	0.85			
A1	4/2/08	1010	0.2	Flood	4.3	133	58.0	812	2.3	32.3	577	16,201	2.6	79.7			125	1,752.0		0.98	11.93	6604	22.0	6.75	3.91	1.61			
A1	4/16/08	1340	1.3	Flood	4.1	127	73.8	1,033	0.2	2.5	565	15,867	3.5	109.6			80	1,117.5		0.33	12.95	7168	22.5	7.75	5.86	1.97			
A1	5/23/08	1012	No Water																										
A1	6/12/08	1009	0.9	Flood	2.8	87	83.4	1,168	0.7	10.2	762	21,400	2.8	86.0			87	1,223.7			11.07	6128	22.5	7.41	6.22	0.67			
A1	7/18/08	1002	-0.1	Low	3.0	93	68.6	961	2.8	39.8	606	17,024	3.6	112.2			97	1,356.6			11.67	6460	22.1	7.36	2.15				
A1	8/13/08	1039	0.8	Flood	2.9	90	64.4	902	1.8	25.8	531	14,903								0.80	11.46	6343	23.0	7.48	6.06	2.48			
A1	9/4/08	1119	1.1	Ebb	2.4	76	61.1	856	1.7	23.6	499	14,013	3.2	99.3			91	1,277.3		2.59	12.89	7135	23.7	7.69	4.56	3.69			
A1	10/20/08	955	2.2	High	4.3	132	124.6	1,746	0.3	3.9	496	13,934								0.21	13.36	7395	22.7	7.58		10.71			
A1	11/6/08	1022	1.8	High	4.5	139	120.7	1,690	1.8	25.0	523	14,696	4.8	148.9			132	1,852.1		0.74	11.38	6299	22.4	7.86	4.16	1.13			
A1	1/2/08	1032	1.0	Ebb	3.9	120	119.2	1,669	2.9	40.2	524	14,718	4.4	135.4			108	1,518.2		0.21	12.91	7146	22.9	7.94	6.85	2.38			
A1	1/12/09	1013	0.6	Ebb	4.3	134	158.8	2,224	2.5	34.8	566	15,896	0.6	18.4			160	2,244.6		2.17	12.59	6969	21.7	7.80	4.07	1.99			
A1	2/20/09	921	0.3	Low	3.9	122	79.9	1,120	5.5	76.4	539	15,127	2.9	90.2			95	1,329.5		2.95	12.29	6803	21.4	7.35	2.64	1.28			
A1	3/30/09	1428	0.3	Flood	2.8	86	92.4	1,294	0.4	5.9	424	11,910	4.0	123.4			102	1,424.3		0.49	11.70	6476	22.7	7.78	6.13	0.48			
A1	4/27/09	1504	1.0	Flood	3.4	107	95.7	1,340	1.0	13.5	539	15,127	4.3	134.1			92	1,295.3		0.54	13.58	7517	23.0	7.87	5.96	0.05			
A1	5/14/09	1401	0.6	Flood	3.8	117	70.6	989	4.1	58.1	538	15,120	4.0	124.5			71	997.4		2.19	12.02	6653	27.8	8.30	9.03	1.10			
A1	6/10/09	808	0.3	Ebb	2.6	81	31.5	441	6.2	86.8	471	13,238	2.8	86.6			51	718.5		3.30	13.28	7351	23.3	7.50	7.48	0.31			
A1	7/10/09	749	0.6	Ebb	1.2	39	21.6	303	3.8	53.9	266	7,477	2.3	70.9			31	431.3		3.93	12.69	7024	22.6	7.41	8.84	0.64			
A1	8/27/09	923	1.7	Flood	2.3	73	52.4	734	0.9	13.3	282	7,913	3.0	93.0			52	731.3		0.10	12.94	7163	22.9	7.88	5.20	0.29			
A1	9/17/09	1102	1.0	Flood	3.7	113	95.5	1,338	1.3	17.9	370	10,393	3.4	106.5			101	1,415.3		0.46	11.94	6609	22.8	7.35	5.25	1.05			
A1	10/22/09	840	2.0	Ebb	2.9	89	55.3	775	0.7	10.2	106	2,975	2.7	83.2			58	807.3		5.10	13.25	7334	22.8	7.76	5.37	1.04			
A1	11/19/09	829	1.7	Ebb	4.0	125	92.2	1,292	1.7	24.0	406	11,407	3.8	118.0			97	1,362.0		0.96	14.20	7860	22.3	7.54	5.25	0.72			
A1	12/7/09	842	2.0	High	4.0	123	104.0	1,456	0.9	12.0	435	12,210	3.8	118.0			107	1,502.0		0.14	13.13	7268	22.1	7.95	6.31	0.60			
A1	1/4/10	1451	0.0	Low	4.7	147	107.9	1,512	0.8	11.9	525	14,745	4.3	134.4			114	1,590.3		0.24	14.27	7899	22.8	8.20	8.21	0.15			
A1	2/2/10	1407	-0.2	Low	4.4	136	129.5	1,814	1.5	21.4	469	13,172	4.7	146.6			131	1,827.9		0.27	15.83	8762	22.3	8.29	5.53	0.28			
A1	3/10/10	1325	0.7	High	4.1	126	100.3	1,405	0.6	8.5	375	10,534	4.0	123.6			104	1,460.5		0.26	12.41	6869	22.6	8.11	8.10	0.48			
A1	4/5/10	1010	0.4	High	4.5	139	99.4	1,393	0.9	13.3	598	16,807	4.2	129.4			102	1,423.3		0.13	12.42	6875	23.1	8.24	7.10	0.11			
A1	5/12/10	1309	1.5	Flood	4.1	128	95.7	1,340	0.4	5.1	578	16,222	3.7	116.0			93	1,306.5		0.24	14.22	7871	26.5	8.44	7.40	0.04			
A1	6/21/10	1032	1.3	Flood	3.7	114	97.4	1,365	1.5	21.4	605	16,988	4.0	123.0			104	1,458.6		0.18	12.36	6842	24.9	8.23	7.50	0.23			
A1	7/12/10	1023	-0.1	Low	4.0	124	111.6	1,563	0.9	12.5	575	16,147	3.9	121.7			117	1,636.1		0.31	15.57	8618	24.2	8.01	5.93	0.22			
A1	8/2/10	1231	1.3	Ebb	3.8	117	105.7	1,481	2.0	27.4	605	16,985	3.7	116.0			113	1,578.6		0.54	12.78	7074	26.5	8.17	7.50	0.21			
A1	9/2/10	1158	1.9	Flood	3.7	116	108.0	1,512	1.7	23.2	574	16,126	3.6	111.4			114	1,597.7		0.25	12.69	7024	27.0	8.30	7.28	0.12			
A1	10/19/10	1132	1.2	Flood	3.8	118	119.9	1,679	1.1	15.4	593	16,661	3.8	118.5			121	1,692.8		0.27	12.56	6952	25.3	8.31	7.01	0.10			

NELHA Water Quality Laboratory

Anchialine Pond A1

8/31/1993 - 6/30/2024

Site ID	Date	Time	Tide		PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TP		TDN		TOC	Turbidity	Salinity	Chloride	Temp.	pH	DO	Chl a	Fecal Col.	Entero.	ORP
	(M/D/Y)	(2400)	(ft)	(cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(NTU)	(PSU)	(mg/L)	(˚C)	(unit)	(ppm)	(µg/L)	(CFU/100ml)	(CFU/100ml)	(mV)
A1	11/3/10	1011	0.7	Flood	4.0	123	118.0	1,653	1.2	17.5	555	15,577	4.0	124.2			127	1,778.2		0.39	13.66	7561	24.1	8.36	6.97	0.34			
A1	12/6/10	953	0.3	Ebb	4.1	126	100.9	1,413	1.2	17.5	563	15,806	3.8	118.5			107	1,503.0		0.18	15.79	8740	22.3	8.01	5.48	0.17			
A1	1/26/11	1028	0.8	Ebb	5.1	157	137.3	1,923	1.5	20.8	551	15,462	4.8	148.7			140	1,954.9		0.14	12.33	6825	22.4	8.15	6.11	0.25			
A1	4/13/11	1030	0.4	Flood	3.7	116	104.0	1,457	1.0	13.7	612	17,177	3.7	115.2			106	1,487.7		0.43	12.43	6880	24.4	8.45	7.55	0.27			
A1	7/18/11	952	0.5	Ebb	4.2	129	94.7	1,327	0.7	9.7	584	16,413	4.5	140.8			99	1,386.7		0.11	13.85	7666	22.7	7.76	6.69	0.02			
A1	10/5/11	1003	1.6	Flood	3.6	112	89.7	1,256	1.0	14.6	585	16,429	3.7	114.6			92	1,288.5		0.09	12.31	6814	23.6	8.04	6.70	0.10			
A1	1/17/12	838	0.7	Flood	3.9	120	97.0	1,359	0.8	10.9	602	16,905	3.7	114.0			100	1,404.2		0.20	12.84	7107	22.4	7.95	6.88	0.10			
A1	4/19/12	1053	0.3	Flood	3.6	110	81.9	1,147	1.1	16.1	605	16,994	3.7	114.7			89	1,248.5		0.13	13.30	7362	23.6	8.20	7.51	0.10			
A1	7/9/12	1128	1.1	Ebb	4.0	123	97.1	1,360	0.7	10.2	575	16,152	3.8	118.5			99	1,392.4		0.05	13.71	7589	23.2	7.91	7.84	0.01			
A1	10/8/12	1055	1.8	High	3.9	122	94.9	1,329	1.0	14.0	600	16,841	4.0	123.0			100	1,401.9		0.18	11.99	6637	24.6	8.00	7.60	0.14			
A1	1/3/13	1051	1.0	Ebb	4.2	130	97.0	1,358	1.5	21.6	576	16,173	4.2	131.2			104	1,460.9		0.13	13.33	7379	22.4	8.07	6.05	0.06			
A1	4/1/13	1039	0.4	Ebb	3.8	118	85.4	1,196	1.0	14.3	557	15,649	3.8	117.1			89	1,240.9		0.27	12.28	6797	22.8	8.12	7.65	0.05			
A1	7/8/13	1004	-0.1	low	3.5	108	88.2	1,236	2.5	35.7	579	16,255	3.5	108.6			103	1,441.1		0.17	13.67	7567	23.7	8.25	9.05	0.03			
A1	10/10/13	1126	1.6	Ebb	3.5	108	77.8	1,090	1.0	14.7	559	15,695	3.2	98.7			74	1,034.8		0.12	13.20	7307	25.2	8.15	9.61	0.10			
A1	1/22/14	916	0.7	High	3.8	117	95.3	1,335	1.4	19.5	596	16,746	3.6	113.0			99	1,380.2		0.02	12.02	6653	22.0	8.01	6.23	0.62			
A1	4/9/14	1126	0.7	Flood	3.2	100	86.7	1,214	2.3	32.0	511	14,352	3.3	103.4			99	1,389.8		0.47	11.24	6222	24.5	8.59	9.92	0.90			
A1	7/16/14	1118	0.5	Ebb	3.4	104	80.6	1,129	0.9	13.3	504	14,160	3.3	102.2			83	1,158.4		0.53	13.72	7594	23.7	8.10	7.75	0.41			
A1	10/15/14	1134	1.5	Ebb	3.3	101	84.7	1,187	0.9	13.2	529	14,856	2.1	64.3			94	1,311.0		0.30	12.96	7174	25.3	8.04	6.85	0.12			
A1	2/3/15	826	0.5	Ebb	4.6	144	116.9	1,638	1.4	19.9	593	16,661	5.2	160.4			117	1,640.7		0.33	13.86	7672	22.5	8.06	5.68	0.18			
A1	5/5/15	1646	2.0	High	4.0	123	97.0	1,358	0.8	11.0	429	12,052	2.4	75.7			96	1,351.5		0.37	14.81	8198	23.9	8.25	8.26	0.19			
A1	7/10/15	1007	1.4	Flood	3.2	100	72.6	1,017	0.7	9.4	520	14,605	1.8	54.6			80	1,123.7		0.32	12.68	7019	23.6	8.10	8.19	0.23			
A1	11/5/15	1100	1.6	High	4.3	133	134.5	1,884	1.1	16.1	521	14,633	4.5	139.1			111	1,551.4		0.51	12.07	6681	23.9	8.44	10.72	0.20			
A1	1/19/16	900	-0.2	Low	4.8	148	114.8	1,608	0.8	11.2	511	14,363	4.5	139.4			108	1,516.5		0.26	12.04	6664	22.4	8.03	6.35	0.30			
A1	4/12/16	1039	0.4	Ebb	4.7	146	89.0	1,247	0.6	8.2	511	14,344	5.0	154.1			80	1,126.6		0.10	13.57	7511	23.9	8.22	8.61	0.12			
A1	7/14/16	1034	1.4	Flood	3.7	113	78.0	1,093	1.4	20.1	523	14,690	3.8	116.8			95	1,333.2		0.56	12.07	6681	24.3	8.42	10.10	0.36			
A1	10/20/16	924	1.5	Ebb	7.3	225	162.1	2,271	1.6	22.2	899	25,256	7.7	239.0			171	2,391.0		0.32	14.07	7788	23.5	8.05	4.63	0.24			
A1	2/23/17	1118	0.6	Flood	4.6	142	104.5	1,463	1.0	13.6	528	14,824	4.7	145.6			107	1,494.8		0.31	13.70	7583	24.6	8.09	13.16	0.31			
A1	4/10/17	1123	0.2	Flood	3.9	122	93.7	1,312	0.6	8.6	549	15,431	4.1	127.9			97	1,365.4		0.32	12.67	7013	26.3	8.21	7.45	0.44			
A1	7/13/17	945	0.4	Ebb	3.9	119	89.5	1,254	0.4	6.1	551	15,470	3.7	115.0			92	1,286.0		0.09	13.46	7450	23.7	7.99	6.45	0.02			
A1	10/12/17	932	2.0	High	4.2	129	104.3	1,461	1.0	14.5	558	15,670	4.0	125.2			107	1,505.1		0.17	16.12	8923	23.5	7.97	7.24	0.01			
A1	1/11/18	950	1.0	Flood	4.0	123	102.7	1,438	0.7	9.2	530	14,875	4.3	132.2			104	1,460.6		0.12	13.18	7295	22.5	8.16	6.21	0.02			
A1	4/24/18	955	0.7	Flood	4.5	139	119.6	1,676	0.9	13.1	541	15,195	4.6	142.4			122	1,714.9		0.21	12.52	6930	23.8	8.45	9.30	0.24			
A1	7/12/18	1133	0.5	Flood	5.4	166	112.6	1,578	1.0	13.4	450	12,646	5.7	178.0			124	1,732.0		0.13	14.44	7993	24.2	8.27	8.93	1.90			
A1	10/11/18	1100	0.4	Low	3.9	119	92.7	1,299	0.4	6.3	477	13,402	4.0	123.1			97	1,356.9		0.10	15.46	8558	23.9	8.00	5.90	0.10			
A1	1/15/19	1107	1.2	High	4.3	132	96.7	1,354	0.8	11.7	538	15,097	4.3	134.3			96	1,346.8		0.13	12.47	6902	22.9	8.15	7.69	0.15			
A1	4/25/19	1030	0.3	Ebb	4.7	145	117.6	1,648	0.1	1.7	557	15,632	4.4	136.5			110	1,547.3		0.09	14.23	7877	24.0	8.06	7.24	0.05			
A1	7/17/19	1107	0.1	Flood	4.6	142	95.1	1,332	0.4	5.6	518	14,553	4.2	130.6			96	1,350.4		0.14	15.90	8801	25.0	8.40	11.90	0.14			
A1	10/8/19	1409	1.9	High	4.4	136	130.9	1,833	1.1	15.3	562	15,782	4.1	126.6			138	1,928.4		0.34	16.19	8962	22.9	8.39	8.67	0.09			
A1	1/9/20	1115	0.5	Low	4.3	133	106.8	1,496	1.3	18.1	488	13,716	4.2	130.9			111	1,552.4		0.16	18.87	10445	23.8	7.99	8.82	0.04			
A1	5/21/20	1209	0.7	Flood	3.9	121	91.6	1,283	0.48	6.7	525	14,750	4.00	124.0			97.8	1,369.2		0.17	13.99	7744	23.9	8.06	8.87	0.08			
A1	7/14/20	1140	0.4	High	4.6	142	102.9	1,441	0.9	13.2	546	15,340	4.0	124.4			102	1,426.8		0.22	13.00	7196	24.8	8.11	10.95	0.13			
A1	10/14/20	1140	0.5	Flood	4.4	135	98.4	1,378	0.9	12.7	530	14,879	3.9	122.2			99	1,393.6		0.19	14.33	7932	23.8	7.94	7.10	0.17			
A1	1/14/21	1123	0.3	Low	4.6	143	89.4	1,252	0.5	7.2	452	12,707	3.7	114.4			95	1,329.2		0.14	17.19	9515	23.8	8.08	8.36	0.11			
A1	4/13/21	1144	0.0	Flood	4.71	146	111.3	1,559	0.33	4.6	499	14,001	4.40	136.4			111.3	1,558.8		0.16	12.40	6864	24.2	8.26	9.91	0.09			
A1	7/1/21	1536	0.7	Low	4.6	144	117.7	1,649	0.6	8.3	564	15,838	4.6	143.8			112	1,573.2		0.18	12.09	6692	28.3	8.11	7.93	0.05			
A1	10/19/21	1437	1.8	High	4.5	139	101.5	1,422	1.3	17.6	529	14,864	3.8	119.2			97	1,360.4		0.20	13.60	7528	24.2	8.23	10.42	0.04			
A1	2/3/22	1043	0.3	Ebb	4.2	130	106.4	1,490	0.3	4.4	498	13,979	4.4	136.8			112	1,570.0		0.11	15.07	8342	23.5	8.20	9.87	0.09			
A1	4/12/22	1128	0.8	Flood	3.90	121	91.7	1,284	1.27	17.8	578	16,230	3.8	118.9			91.4	1,280.4		0.49	12.81	7091	26.3	8.31	11.60	0.37			

NELHA Water Quality Laboratory

Anchialine Pond A1

8/31/1993 - 6/30/2024

Site ID	Date	Time	Tide		PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TP		TDN		TOC	Turbidity	Salinity	Chloride	Temp.	pH	DO	Chl a	Fecal Col.	Entero.	ORP
	(M/D/Y)	(2400)	(ft)	(cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(NTU)	(PSU)	(mg/L)	(˚C)	(unit)	(ppm)	(µg/L)	(CFU/100ml)	(CFU/100ml)	(mV)
A1	7/21/22	1142	1.5	High	3.1	96	98.4	1,378	1.1	16.1	558	15,666	3.6	110.6			100	1,400.8		0.26	12.24	6775	23.9	8.14	8.74	0.09			
A1	10/12/22	1037	0.2	Low	4.3	133	100.7	1,410	0.4	5.5	509	14,285	4.3	132.2			101	1,420.4		0.08	14.25	7888	23.8	8.08	8.35	0.04			
A1	1/17/23	1049	1.0	High	4.4	136	100.8	1,411	1.1	15.4	527	14,792	4.3	132.4			107	1,498.0		0.15	11.15	6172	23.4	8.20	8.76	0.12			
A1	4/21/23	1122	-0.1	Flood	3.11	96	87.6	1,226	0.63	8.8	541	15,207	3.1	96.6			91.6	1,283.2		0.20	11.86	6565	23.9	8.20	9.03	0.22			
A1	7/12/23	1625	1.4	Ebb	3.0	93	86.9	1,217	0.6	7.9	562	15,792	3.0	94.3			92	1,289.6		0.56	11.65	6449	29.4	8.20	9.50	0.16			
A1	10/24/23	1631	1.0	Ebb	2.9	88	76.8	1,076	1.0	14.3	550	15,444	2.9	89.2			84	1,171.2		0.58	11.30	6255	28.1	8.23	9.28	0.18			
A1	1/11/24	1517	1.0	High	3.4	104	104.6	1,466	0.8	10.9	534	15,006	3.7	114.0			105	1,468.4		0.33	12.91	7146	23.8	8.41	11.92	0.16			122.5
A1	4/2/24	1557	0.1	Low	3.1	96	97.1	1,360	0.76	10.7	551	15,477	3.44	106.4			95.1	1,331.6		0.27	10.95	6061	23.4	8.11	8.83	0.10			147.1
Mean			0.9		3.9	121.4	85.6	1,199.1	3.0	41.7	548.6	15,407.6	4.0	124.4	3.6	110.7	95.1	1,331.6	1.3	0.6	12.8	7,067.6	23.8	7.9	7.3	1.0			134.8
Std. Dev.			0.6		3.1	95.0	52.0	728.7	8.4	117.3	89.3	2,507.8	3.3	103.1	1.1	32.5	74.9	1,048.9	0.7	0.8	1.5	850.1	1.6	0.3	2.4	2.4			17.4
Maximum			2.2		39.2	1,214.5	611.4	8,563.4	73.9	1,034.6	899.2	25,255.6	42.1	1,304.6	7.3	226.7	942.4	13,199.4	4.7	5.1	18.9	10,445.0	31.6	9.3	14.6	21.8			147.1
Minimum			-0.2		1.2	38.7	1.7	23.5	0.1	0.7	105.9	2,974.6	0.6	18.4	2.1	64.1	30.8	431.3	0.5	0.0	8.6	4,743.7	20.4	6.8	2.1	0.0			122.5
n			149.0		148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	146.0	146.0	55.0	55.0	146.0	146.0	54.0	145.0	148.0	148.0	150.0	148.0	147.0	147.0			2.0