

NELHA Water Quality Laboratory

Well 5A Data Table

6/23/1989 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	6/23/89				5.71 177	70.0 980	0.64 9.0		18.0	7.50	28.56	15,809	4.67		
W5A	-8.23	8/9/89	1020			5.06 157	85.8 1202	0.86 12.0		19.5	7.40	28.85	15,968	4.70		
W5A	-8.23	8/15/89	940			4.98 154	85.8 1202	0.70 9.8		17.4	7.42	30.48	16,871	4.56		
W5A	-8.23	8/22/89	930			5.18 160	86.2 1207	0.70 9.8		17.8	7.46	28.88	15,984	4.29		
W5A	-8.23	8/28/89	1055			5.06 157	86.7 1214	0.70 9.8		17.1	7.45	28.62	15,842	4.37		
W5A	-8.23	8/28/89	1055			5.04 156	86.9 1217	0.86 12.0								
W5A	-8.23	10/27/89	937			5.04 156	77.7 1088	0.03 0.4	240 6741	17.2	7.40	28.92	16,005	3.38		
W5A	-8.23	11/15/89	725			5.04 156	76.7 1074	0.06 0.8	231 6488	17.5	7.41	28.02	15,510	4.42		
W5A	-8.23	12/8/89	1010			5.01 155	74.5 1043	0.10 1.4	240 6741	17.2	7.11	28.92	16,007	4.84		
W5A	-8.23	1/10/90	826			4.15 129	76.6 1073	0.00 0.0	203 5701	17.1	7.65	28.90	15,994	5.22		
W5A	-8.23	2/13/90	955			5.64 175	84.0 1177	0.08 1.1	196 5505	16.9	7.46	28.93	16,012	5.14		
W5A	-8.23	3/5/90	1118			5.26 163	96.2 1347	0.10 1.4	232 6516	16.6	7.57	28.19	15,602	4.82		
W5A	-8.23	4/2/90	1015			5.44 168	93.8 1314	0.03 0.4	278 7808	16.2	7.55	28.70	15,887	4.89		
W5A	-8.23	5/16/90	1027			5.71 177	94.6 1325	0.00 0.0	221 6207	16.3	7.48	28.69	15,878	5.40		
W5A	-8.23	6/17/90	1153			6.16 191	90.7 1270	0.00 0.0	223 6263	16.4	7.53	28.78	15,928	4.64		
W5A	-8.23	7/12/90	1059			6.33 196	88.6 1241	0.00 0.0	222 6235	16.4	7.51	29.40	16,275	4.19		
W5A	-8.23	8/7/90	1034			4.95 153	92.6 1297	0.04 0.6	219 6151	16.4	7.47	29.25	16,189	4.58		
W5A	-8.23	9/5/90	1022			5.79 179	89.8 1258	0.00 0.0		16.5	7.42	29.30	16,218	4.58		
W5A	-8.23	10/31/90	951			5.11 158	77.5 1085	0.03 0.4	211 5926	18.8	7.53	29.76	16,475	5.25		
W5A	-8.23	12/7/90	947			3.62 112	63.5 889	0.00 0.0	251 7041	17.0	7.45	29.11	16,111	5.06		
W5A	-8.23	1/9/91	755			5.67 176	81.9 1147	0.00 0.0	208 5842	16.5	7.52	29.81	16,500	5.18		
W5A	-8.23	2/5/91	730			5.66 175	63.6 891	0.50 7.0	186 5224	15.1	7.54	29.35	16,245	5.28		
W5A	-8.23	3/6/91	754			5.11 158	73.2 1025	0.07 1.0	186 5224	14.4	7.58	29.37	16,257	5.81		
W5A	-8.23	4/2/91	759			5.11 158	71.2 997	0.40 5.6	190 5336	15.4	7.52	28.85	15,970	6.01		
W5A	-8.23	5/21/91	823			5.25 163	41.5 581	0.07 1.0	186 5224	15.3	7.51	29.20	16,163	6.16		
W5A	-8.23	6/25/91	802			4.19 130	57.6 807	0.40 5.6	222 6235	15.6	7.53	29.09	16,102	6.32		
W5A	-8.23	7/23/91	858			5.43 168	69.3 971	0.28 3.9	234 6572	15.6	7.49	28.53	15,791	6.25		
W5A	-8.23	8/22/91	817			5.10 158	65.9 923	0.19 2.7	230 6460	15.3	7.50	28.69	15,882	6.36		
W5A	-8.23	9/23/91	820			5.24 162	67.3 943	0.18 2.5	231 6488	16.2	7.50	28.17	15,594	5.82		
W5A	-8.23	10/22/91	710			4.59 142	70.9 993	0.03 0.4	292 8201	16.6	7.49	28.90	15,995	4.93		
W5A	-8.23	11/19/91	943			5.18 160	68.9 965	0.02 0.3	244 6853	16.2	7.51	29.15	16,135	5.89		
W5A	-8.23	12/10/91	840			4.91 152	71.2 997	0.08 1.1	218 6123	16.1	7.53	29.26	16,198	5.70		
W5A	-8.23	1/28/92	829			4.93 153	67.7 948	0.05 0.7	202 5673	15.5	7.51	29.70	16,441	6.10		
W5A	-8.23	2/18/92	820			4.77 148	66.0 924	0.00 0.0	196 5505	15.5	7.52	29.19	16,157	6.42		
W5A	-8.23	3/16/92	848			4.87 151	65.5 917	0.30 4.2	210 5898	15.3	7.53	29.16	16,141	6.75		

NELHA Water Quality Laboratory

Well 5A Data Table

6/22/1999 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	4/7/92	820			4.26 132	62.6 877	0.23 3.2	220 6179	15.3	7.56	28.84	15,963	6.92		
W5A	-8.23	5/5/92	827			5.14 159	60.7 850	0.21 2.9	222 6235	15.2	7.56	28.84	15,964	7.21		
W5A	-8.23	6/22/92	816			4.09 127	62.0 868	0.41 5.7	206 5786	15.0	7.59	29.55	16,354	6.54		
W5A	-8.23	7/28/92	811			4.86 151	60.7 850	ND 0.0	203 5701	15.5	7.57	28.87	15,980	7.40		
W5A	-8.23	8/25/92	751			4.80 149	56.2 787	0.16 2.2	247 6937	15.7	7.60	28.73	15,905	7.14		
W5A	-8.23	9/21/92	808			4.67 145	60.4 845	0.13 1.8	226 6347	16.0	7.62	28.74	15,908	6.77		
W5A	-8.23	10/26/92	815			4.64 144	61.3 859	0.42 5.9	252 7078	16.5	7.60	28.65	15,860	6.78		
W5A	-8.23	11/16/92	838			4.65 144	59.7 836	0.36 5.0	248 6965	16.4	7.63	28.68	15,874	6.89		
W5A	-8.23	12/7/92	835			4.43 137	59.4 832	0.14 2.0	244 6853	16.4	7.64	28.58	15,822	6.88		
W5A	-8.23	1/25/93	821			4.24 131	60.7 850	0.29 4.1	244 6864	16.4	7.65	28.60	15,833	6.42		
W5A	-8.23	2/22/93	802			4.28 133	59.7 837	0.35 4.9	236 6614	15.9	7.68	28.80	15,941	6.27		
W5A	-8.23	3/15/93	758			4.46 138	60.1 842	0.22 3.1	243 6816	15.6	7.70	28.53	15,794	6.32		
W5A	-8.23	4/26/93	807			4.41 137	56.5 791	0.02 0.3	238 6684	15.9	7.71	28.48	15,764	6.00		
W5A	-8.23	5/24/93	824			4.48 139	56.5 792	0.32 4.5	250 7021	15.8	7.68	28.27	15,649	5.99		
W5A	-8.23	6/21/93	822			4.56 141	55.1 771	0.15 2.1	278 7808	15.9	7.69	28.00	15,497	5.64		
W5A	-8.23	8/30/93	926			4.79 148	62.1 869	0.09 1.3	270 7577	16.7	7.67	26.97	14,929	4.33		
W5A	-8.23	10/25/93	806			4.91 152	57.1 800	0.22 3.1	261 7330	17.3	7.68	27.07	14,985	3.15		
W5A	-8.23	2/7/94	1007			4.99 155	45.7 640	0.19 2.7	233 6544	18.3	7.66	27.73	15,351	3.14		
W5A	-8.23	6/20/94	756			4.37 135	44.0 616	0.06 0.8	215 6049	18.8	7.66	28.88	15,985	3.55		
W5A	-8.23	8/22/94	906			4.56 141	43.9 614	0.10 1.4	215 6031	19.0	7.67	29.08	16,097	4.11		
W5A	-8.23	10/24/94	821			4.60 142	50.9 713	0.01 0.1	237 6651	19.5	7.67	27.33	15,128	3.40		
W5A	-8.23	1/23/95	904			4.30 133	52.5 735	0.02 0.3	227 6364	19.5	7.65	27.54	15,241	3.71		
W5A	-8.23	2/13/95	901			4.38 136	56.1 786	0.29 4.1	234 6561	19.4	7.68	27.55	15,250	3.73		
W5A	-8.23	3/13/95	939			4.45 138	62.6 876	0.14 2.0	285 7993	19.6	7.73	27.40	15,164	3.19		
W5A	-8.23	4/24/95	843			4.50 139	64.4 902	0.17 2.4	226 6353	19.1	7.69	27.85	15,416	4.37		
W5A	-8.23	5/8/95	842			4.55 141	68.5 960	0.27 3.8	223 6269	19.2	7.70	27.41	15,173	4.03		
W5A	-8.23	6/19/95	919			4.47 138	65.4 917	0.31 4.3	227 6375	19.2	7.67	27.31	15,118	4.56		
W5A	-8.23	7/24/95	847			4.40 136	60.5 847	0.21 2.9	236 6637	19.1	7.67	27.04	14,966	4.60		
W5A	-8.23	8/21/95	937			4.43 137	54.0 756	0.41 5.7	171 4794	19.5	7.68	27.48	15,213	4.42		
W5A	-8.23	9/11/95	728			4.28 133	53.1 744	0.24 3.4	231 6491	19.3	7.73	27.37	15,148	4.35		
W5A	-8.23	10/16/95	826			4.16 129	50.0 701	0.34 4.8	228 6409	19.5	7.74	27.59	15,274	4.37		
W5A	-8.23	11/6/95	806			3.78 117	52.5 735	0.25 3.5	173 4850	19.6	7.79	29.59	16,381	5.22		
W5A	-8.23	12/4/95	815			4.25 132	52.6 737	0.11 1.5	223 6269	19.6	7.73	27.55	15,250	5.40		
W5A	-8.23	1/29/96	933			4.62 143	52.2 731	0.02 0.3	224 6286	19.8	7.73	27.91	15,447	4.74		
W5A	-8.23	2/26/96	941			4.53 140	61.1 856	0.30 4.2	251 7062	20.2	7.73	27.51	15,226	4.54		

NELHA Water Quality Laboratory

Well 5A Data Table

6/23/1999 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	3/5/96	840			4.64 144	65.6 919	0.28 3.9	226 6351	19.9	7.72	27.63	15,296	4.26		
W5A	-8.23	4/1/96	901			4.71 146	87.3 1223	0.55 7.7	236 6634	20.2	7.69	27.05	14,971	4.77		
W5A	-8.23	5/8/96	859			5.26 163	105.0 1470	0.20 2.8	228 6394	20.6	7.73	27.03	14,960	3.78		
W5A	-8.23	6/17/96	856			5.21 161	93.2 1305	0.13 1.8	231 6474	21.0	7.75	23.02	12,740	3.88		
W5A	-8.23	7/16/96	846			5.89 182	121.7 1704	43.27 606.1	225 6307	20.6	7.77	27.67	15,316	3.36		
W5A	-8.23	8/5/96	959			5.33 165	95.4 1336	0.43 6.0	222 6235	21.0	7.74	27.74	15,352	3.67		
W5A	-8.23	9/3/96	1355			5.40 167	87.2 1222	0.50 7.0	250 7007	20.7	7.75	27.73	15,351	4.01		
W5A	-8.23	10/8/96	937			5.04 156	72.0 1008	0.26 3.6	238 6693	20.8	7.74	28.31	15,669	4.31		
W5A	-8.23	11/4/96	941			5.09 158	69.4 972	0.25 3.5	210 5911	21.3	7.74	28.27	15,648	4.70		
W5A	-8.23	12/16/96	920			4.84 150	71.2 997	0.30 4.2	231 6475	20.9	7.79	28.65	15,859	4.87		
W5A	-8.23	1/13/97	956			5.13 159	92.4 1294	0.08 1.1	212 5957	21.1	7.78	27.80	15,387	4.32		
W5A	-8.23	2/10/97	903			5.40 167	146 2042	0.20 2.8	214 6022	21.0	7.80	27.81	15,396	4.11		
W5A	-8.23	3/10/97	907			6.37 197	256 3589	0.05 0.7	218 6123	21.1	7.86	27.90	15,446	2.89		
W5A	-8.23	4/22/97	948			6.41 199	404 5659	0.31 4.3	210 5906	21.3	8.01	28.07	15,537	1.86		
W5A	-8.23	5/27/97	905			6.03 187	245 3430	0.16 2.2	209 5870	20.2	7.99	28.53	15,792	2.96		
W5A	-8.23	6/16/97	918			6.41 199	169 2362	0.34 4.8	220 6168	20.2	7.99	28.50	15,773	3.24		
W5A	-8.23	7/16/97	821			6.75 209	152 2123	0.07 1.0	190 5328	20.5	7.96	28.50	15,773	3.26		
W5A	-8.23	8/25/97	912			6.70 208	137 1925	0.36 5.0	199 5583	21.4	8.02	28.76	15,919	3.09		
W5A	-8.23	9/22/97	839			6.56 203	127 1780	0.28 3.9	194 5440	21.6	8.02	28.76	15,921	3.02		
W5A	-8.23	10/14/97	904			6.93 215	137 1916	0.33 4.6	219 6139	22.3	7.96	27.77	15,370	2.03		
W5A	-8.23	11/3/97	836			6.34 196	109 1532	0.21 2.9	197 5524	21.7	7.96	28.69	15,880	2.91		
W5A	-8.23	12/15/97	928			6.89 213	97.2 1361	0.13 1.8	199 5581	21.6	8.00	28.58	15,821	3.06		
W5A	-8.23	1/5/98	1023			6.42 199	97.6 1367	0.04 0.6	185 5207	21.5	7.94	29.09	16,100	1.95		
W5A	-8.23	2/2/98	931			6.18 191	85.9 1203	0.06 0.8	190 5345	20.7	7.88	29.22	16,176	1.95		
W5A	-8.23	3/9/98	931			7.21 223	87.3 1223	0.14 2.0	200 5611	21.1	7.73	28.37	15,704	1.76		
W5A	-8.23	4/13/98	839			6.96 216	86.0 1205	0.15 2.1	202 5659	20.8	7.70	28.85	15,971	2.85		
W5A	-8.23	5/11/98	907			6.89 213	106 1483	0.43 6.0	206 5783	20.7	7.74	28.45	15,745	3.10		
W5A	-8.23	6/1/98	903			6.91 214	107 1500	0.05 0.7	199 5592	21.0	7.74	28.59	15,824	3.36		
W5A	-8.23	7/13/98	913			6.46 200	91.6 1283	0.07 1.0	199 5597	21.2	7.73	28.99	16,049	3.56		
W5A	-8.23	8/10/98	935			6.50 201	112 1573	0.14 2.0	204 5718	21.6	7.70	29.38	16,264	3.14		
W5A	-8.23	9/14/98	919			6.41 199	92.0 1289	0.14 2.0	196 5494	21.1	7.70	29.81	16,498	3.49		
W5A	-8.23	10/12/98	936			6.30 195	96.5 1352	0.03 0.4	194 5435	21.0	7.70	29.88	16,540	3.94		
W5A	-8.23	11/2/98	857			6.20 192	90.4 1266	0.01 0.1	196 5516	21.0	7.72	29.69	16,431	3.31		
W5A	-8.23	12/15/98	855			6.04 187	79.6 1115	0.05 0.7	204 5729	21.8	7.68	29.39	16,267	2.64		
W5A	-8.23	1/11/99	913			5.71 177	94.8 1328	0.22 3.1	202 5685	21.8	7.65	29.97	16,587	1.55		

NELHA Water Quality Laboratory

Well 5A Data Table

~~6/23/1999 - 6/30/2025~~

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	2/2/99	906			6.03 187	110 1546	0.20 2.8	184 5171	21.9	7.68	30.10	16,661	2.31		
W5A	-8.23	3/1/99	908			6.19 192	104 1461	0.04 0.6	188 5286	22.2	7.66	29.71	16,443	1.93		
W5A	-8.23	4/5/99	910			5.74 178	85.2 1193	0.10 1.4	192 5381	22.0	7.66	30.03	16,620	1.90		
W5A	-8.23	5/3/99	908			5.57 173	84.2 1179	0.14 2.0	191 5370	21.8	7.66	30.15	16,687	2.24		
W5A	-8.23	6/1/99	902			5.10 158	135 1891	20.0 280.1	193 5421	22.0	7.61	30.13	16,676	0.55		
W5A	-8.23	7/14/99	907			5.13 159	139 1947	10.3 144.3	204 5724	22.1	7.50	29.31	16,222	0.25		
W5A	-8.23	8/23/99	930			5.69 176	87.1 1220	0.11 1.5	201 5645	22.8	7.67	29.28	16,207	2.58		
W5A	-8.23	9/7/99	919			5.63 174	82.0 1149	0.04 0.6	199 5583	22.6	7.68	29.75	16,465	2.42		
W5A	-8.23	10/5/99	913			5.02 155	114 1601	5.25 73.5	194 5446	22.4	7.61	29.64	16,405	0.39		
W5A	-8.23	11/1/99	933			5.31 164	73.2 1025	0.06 0.8	182 5123	22.5	7.66	29.93	16,564	2.10		
W5A	-8.23	12/14/99	924			5.07 157	70.1 982	0.04 0.6	176 4937	23.9	7.59	30.98	17,145	1.30		
W5A	-8.23	1/10/00	953			5.03 156	69.5 973	0.04 0.6	187 5252	23.1	7.61	30.42	16,840	1.60		
W5A	-8.23	2/7/00	951			5.17 160	76.6 1073	0.21 2.9	185 5182	23.0	7.61	30.04	16,628	1.92		
W5A	-8.23	3/21/00	953			5.06 157	75.3 1055	0.06 0.8	181 5072	23.1	7.63	29.87	16,532	1.45		
W5A	-8.23	4/10/00	1017			5.08 157	72.2 1012	0.07 1.0	176 4943	22.4	7.64	29.84	16,516	1.44		
W5A	-8.23	5/15/00	930			5.22 162	66.4 930	0.22 3.1	193 5432	22.5	7.62	29.68	16,430	1.16		
W5A	-8.23	6/5/00	931			5.14 159	62.7 878	0.05 0.7	202 5673	22.8	7.58	29.67	16,421	1.04		
W5A	-8.23	7/26/00	1000			5.19 161	70.3 985	0.05 0.7	192 5404	23.0	7.62	29.98	16,597	1.29		
W5A	-8.23	8/29/00	858			5.20 161	78.0 1093	0.03 0.4	199 5589	22.8	7.57	29.38	16,265	1.42		
W5A	-8.23	9/5/00	929			4.95 153	78.4 1098	0.13 1.8	188 5266	22.8	7.57	30.20	16,718	1.34		
W5A	-8.23	10/24/00	930			4.88 151	80.2 1123	0.14 2.0	177 4968	23.0	7.56	30.69	16,985	1.36		
W5A	-8.23	11/13/00	908			4.58 142	84.4 1182	0.26 3.6	183 5126	23.7	7.55	30.42	16,837	1.28		
W5A	-8.23	12/18/00	917			4.59 142	100 1406	0.20 2.8	168 4716	23.3	7.55	30.57	16,921	0.59		
W5A	-8.23	1/22/01	911			4.35 135	86.3 1209	0.02 0.3	164 4606	23.3	7.54	30.89	17,099	0.77		
W5A	-8.23	2/5/01	936			4.23 131	87.5 1226	0.17 2.4	166 4673	23.2	7.55	30.88	17,093	0.55		
W5A	-8.23	3/5/01	928			4.25 132	81.4 1140	0.02 0.3	159 4468	23.1	7.50	30.50	16,880	0.70		
W5A	-8.23	4/17/01	915			4.48 139	90.0 1261	0.02 0.3	153 4297	22.7	7.56	30.94	17,124	1.20		
W5A	-8.23	5/15/01	851			4.50 139	93.6 1311	0.17 2.4	155 4339	22.4	7.59	30.74	17,017	1.41		
W5A	-8.23	6/12/01	904			4.70 146	86.7 1215	0.02 0.3	156 4390	22.1	7.59	30.61	16,942	1.38		
W5A	-8.23	7/23/01	909			4.47 138	81.7 1145	0.04 0.6	159 4454	22.2	7.59	30.88	17,095	1.64		
W5A	-8.23	8/8/01	912			4.44 138	84.1 1178	0.03 0.4	167 4687	21.9	7.59	30.78	17,036	1.27		
W5A	-8.23	9/19/01	916			4.76 147	94.6 1325	0.04 0.6	160 4488	22.3	7.61	30.73	17,010	1.55		
W5A	-8.23	10/24/01	849			4.78 148	95.3 1335	0.08 1.1	165 4643	22.3	7.57	30.23	16,735	1.03		
W5A	-8.23	11/7/01	906			4.92 152	104 1451	0.06 0.8	167 4682	22.4	7.58	30.29	16,767	1.29		
W5A	-8.23	12/19/01	925			5.06 157	108 1518	0.16 2.2	163 4578	22.4	7.59	30.15	16,689	2.11		

NELHA Water Quality Laboratory

Well 5A Data Table

6/22/1999 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	1/9/02	919			5.31 164	104 1454	0.18 2.5	166 4673	22.2	7.61	30.32	16,782	2.07		
W5A	-8.23	2/19/02	1035			5.22 162	98.2 1375	0.05 0.7	157 4401	22.0	7.62	30.56	16,917	1.80		
W5A	-8.23	3/20/02	933			4.96 154	98.1 1374	0.16 2.2	151 4238	21.8	7.64	30.66	16,972	1.59		
W5A	-8.23	4/8/02	1023			5.00 155	96.7 1354	0.04 0.6	154 4317	21.8	7.63	30.47	16,868	1.26		
W5A	-8.23	5/29/02	1011			5.86 182	91.6 1283	0.16 2.2	149 4174	21.9	7.69	30.19	16,709	1.19		
W5A	-8.23	6/17/02	944			6.35 197	89.9 1259	0.01 0.1	152 4269	21.9	7.69	30.08	16,651	1.21		
W5A	-8.23	7/15/02	940			6.08 188	77.4 1084	0.11 1.5	161 4530	22.1	7.65	30.65	16,966	1.20		
W5A	-8.23	8/20/02	939			6.06 188	64.3 901	0.18 2.5	165 4628	22.4	7.64	30.36	16,805	1.45		
W5A	-8.23	9/23/02	942			5.54 172	68.3 957	0.24 3.4	167 4682	22.8	7.64	34.64	19,176	1.65		
W5A	-8.23	10/14/02	919			5.28 164	74.3 1041	0.02 0.3	177 4971	23.0	7.67	29.97	16,588	2.30		
W5A	-8.23	11/4/02	929			5.00 155	80.3 1125	0.02 0.3	153 4294	23.4	7.69	30.68	16,984	2.29		
W5A	-8.23	12/17/02	950			5.43 168	79.8 1118	0.05 0.7	154 4320	23.3	7.63	30.83	17,064	1.29		
W5A	-8.23	1/21/03	1010			4.92 152	80.7 1130	0.02 0.3	147 4140	23.1	7.67	31.68	17,538	1.70		
W5A	-8.23	2/12/03	1001			5.92 183	78.6 1101	0.03 0.4	166 4665	22.7	7.66	31.03	17,177	1.14		
W5A	-8.23	3/19/03	948			6.36 197	106 1478	0.04 0.6	150 4221	23.1	7.70	30.93	17,121	1.40		
W5A	-8.23	4/28/03	930			5.89 182	87.2 1221	0.46 6.4	146 4095	23.0	7.74	30.93	17,118	2.99		
W5A	-8.23	5/12/03	908			5.66 175	83.0 1163	0.10 1.4	152 4275	22.8	7.76	30.81	17,056	2.42		
W5A	-8.23	6/3/03	923			5.59 173	74.8 1048	0.29 4.1	145 4061	22.9	7.78	30.96	17,139	2.50		
W5A	-8.23	7/29/03	940			5.40 167	68.8 963	0.06 0.8	144 4036	22.8	7.77	30.81	17,052	2.79		
W5A	-8.23	8/26/03	945			6.41 199	76.1 1065	0.11 1.5	163 4575	22.7	7.73	29.55	16,354	3.28		
W5A	-8.23	9/15/03	926			6.00 186	73.2 1025	0.04 0.6	150 4199	23.0	7.73	30.47	16,866	2.52		
W5A	-8.23	10/6/03	908			6.10 189	69.1 968	0.10 1.4	158 4435	22.8	7.73	30.25	16,746	NA		
W5A	-8.23	10/28/03	952			5.94 184	69.0 966	0.10 1.4	152 4266	23.2	7.72	30.40	16,829			
W5A	-8.23	11/14/03	1318							23.1				2.46		
W5A	-8.23	12/15/03	914			6.03 187	76.2 1068	0.20 2.8	160 4482	22.7	7.70	30.30	16,774	2.21		
W5A	-8.23	1/26/04	919			5.97 185	83.6 1171	0.10 1.4	144 4030	21.7	7.67	30.16	16,694	1.93		
W5A	-8.23	2/5/04	918			6.06 188	88.0 1232	0.21 2.9	146 4103	21.6	7.69	30.11	16,668	2.95		
W5A	-8.23	3/2/04	923			6.18 191	94.8 1327	0.47 6.6	148 4151	21.3	7.71	29.94	16,574	3.02		
W5A	-8.23	4/20/04	917			6.74 209	100 1402	0.01 0.1	159 4452	21.6	7.69	29.42	16,287	2.02		
W5A	-8.23	5/11/04	833			7.04 218	94.0 1317	0.30 4.2	162 4555	21.2	7.70	28.93	16,014	2.10		
W5A	-8.23	6/2/04	852			6.66 206	83.2 1165	0.14 2.0	152 4266	24.7	7.70	29.29	16,213	2.57		
W5A	-8.23	7/14/04	924			5.92 183	89.2 1249	0.26 3.6	144 4039	22.3	7.74	29.52	16,340	3.38		
W5A	-8.23	8/23/04	916			6.70 208	97.3 1362	0.29 4.1	161 4530	22.7	7.68	28.86	15,975	1.86		
W5A	-8.23	9/2/04	927			6.43 199	94.3 1321	0.09 1.3	161 4519	22.6	7.71	28.81	15,947	2.49		
W5A	-8.23	10/4/04	855			5.84 181	86.4 1209	0.16 2.2	145 4081	20.6	7.70	29.52	16,340	3.12		

NELHA Water Quality Laboratory

Well 5A Data Table

6/23/1999 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	11/23/04	850			6.04 187	72.0 1008	0.05 0.7	156 4379	21.3	7.68	29.53	16,346	1.88		
W5A	-8.23	12/8/04	850			5.72 177	76.1 1066	0.09 1.3	150 4204	22.8	7.71	29.69	16,434	2.87		
W5A	-8.23	1/18/05	903			5.98 185	68.2 955	0.06 0.8	152 4263	22.8	7.67	30.41	16,831	1.36		
W5A	-8.23	2/10/05	850			6.18 191	74.9 1049	0.25 3.5	155 4339	22.7	7.69	30.24	16,740	1.58		
W5A	-8.23	3/22/05	857			7.18 222	97.8 1370	0.15 2.1	144 4030	22.1	7.75	30.31	16,777	1.65		
W5A	-8.23	4/20/05	848			6.30 195	87.4 1224	0.11 1.5	134 3752	21.9	7.80	30.55	16,912	2.68		
W5A	-8.23	5/25/05	910			6.02 186	75.7 1060	0.24 3.4	137 3853	20.4	7.77	30.23	16,733	2.75		
W5A	-8.23	6/14/05	908			5.76 178	66.5 931	0.63 8.8	138 3879	21.9	7.78	30.32	16,783	3.16		
W5A	-8.23	7/19/05	903			5.42 168	71.2 997	0.07 1.0	145 4070	22.8	7.82	29.84	16,516	3.36		
W5A	-8.23	8/3/05	933			5.48 170	70.2 983	0.03 0.4	147 4117	22.9	7.85	29.82	16,504	4.69		
W5A	-8.23	9/22/05	856			5.10 158	56.9 797	0.07 1.0	145 4061	24.9	7.83	30.63	16,953	3.22		
W5A	-8.23	10/19/05	910			4.80 149	72.0 1009	0.12 1.7	130 3654	25.1	7.72	30.86	17,081	3.39		
W5A	-8.23	11/8/05	855			4.62 143	68.9 965	0.09 1.3	117 3297	25.2	7.67	31.27	17,309	3.49		
W5A	-8.23	12/22/05	829			4.66 144	73.7 1032	0.32 4.5	133 3733	24.7	7.56	31.28	17,316	1.66		
W5A	-8.23	1/31/06	854			4.72 146	67.8 950	0.19 2.7	136 3806	23.8	7.55	31.07	17,196	2.03		
W5A	-8.23	2/16/06	849			4.82 149	66.4 930	0.22 3.1	136 3825	23.6	7.55	31.00	17,160	1.58		
W5A	-8.23	3/22/06	840			4.55 141	63.5 889	0.23 3.2	130 3651	23.5	7.54	31.38	17,371	2.91		
W5A	-8.23	4/27/06	920			4.51 140	67.3 943	0.35 4.9	124 3483	23.6	7.61	31.35	17,351	3.00		
W5A	-8.23	5/24/06	942			4.25 132	61.0 854	0.06 0.8	121 3398	24.0	7.54	31.30	17,328	2.38		
W5A	-8.23	6/28/06	927			4.18 129	57.6 807	0.29 4.1	123 3455	23.9	7.49	31.61	17,494	1.64		
W5A	-8.23	7/19/06	905			4.42 137	55.6 779	0.32 4.5	128 3595	24.4	7.47	31.27	17,311	2.82		
W5A	-8.23	8/9/06	927			4.12 128	53.8 754	0.20 2.8	122 3426	24.4	7.45	31.71	17,551	1.28		
W5A	-8.23	9/20/06	938			4.46 138	47.6 667	0.70 9.8	121 3398	25.1	7.46	31.77	17,586	0.86		
W5A	-8.23	10/25/06	933			4.74 147	44.3 620	0.31 4.3	130 3651	25.3	7.47	31.48	17,424	0.59		
W5A	-8.23	11/29/06	930			5.00 155	48.9 685	0.26 3.6	130 3651	25.4	7.48	31.62	17,500	0.48		
W5A	-8.23	12/13/06	934			4.84 150	54.3 761	0.24 3.4	122 3426	25.4	7.48	31.80	17,602	0.86		
W5A	-8.23	1/10/07	920			4.67 145	55.5 777	0.29 4.1	121 3398	24.7	7.47	31.83	17,617	0.87		
W5A	-8.23	2/21/07	1000			4.29 133	63.0 882	0.58 8.1	107 3005	23.9	7.51	31.52	17,445	1.92		
W5A	-8.23	3/7/07	951			4.39 136	70.0 980	0.32 4.5	118 3314	23.7	7.54	31.16	17,245	1.63		
W5A	-8.23	4/19/07	930			4.61 143	68.7 962	0.45 6.3	119 3342	23.5	7.59	31.04	17,180	1.96		
W5A	-8.23	5/2/07	937			4.60 142	61.8 866	0.33 4.6	123 3455	23.0	7.58	31.16	17,247	2.09		
W5A	-8.23	6/20/07	941			4.61 143	62.6 876	0.23 3.2	127 3567	23.3	7.60	31.23	17,287	1.85		
W5A	-8.23	7/23/07	1105	-3.05	0.52 Flood	3.76 116	34.5 484	0.04 0.5	66 1854	22.4	7.53	31.76	17,580	2.64		
W5A	-8.23	8/27/07	1404	-3.15	0.52 Flood	5.19 161	71.7 1004	0.06 0.8	102 2868	23.8	7.57	30.85	17,076	2.38		
W5A	-8.23	9/18/07	1540	-3.12	0.24 Ebb	5.08 157	71.9 1007	0.15 2.1	124 3487	23.0	7.54	30.92	17,115	1.81		

NELHA Water Quality Laboratory

Well 5A Data Table

6/23/1999 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	10/23/07	1412	-3.12	0.52 High	5.25 163	78.2 1095	0.35 5.0	122 3437	22.2	7.52	30.44	16,849	1.54		
W5A	-8.23	11/20/07	1412	-3.15	0.38 Ebb	5.65 175	79.2 1110	0.08 1.1	142 3982	21.2	7.57	30.35	16,800	1.10		
W5A	-8.23	12/19/07	1251	-3.25	0.30 High	5.80 180	94.2 1319	1.15 16	148 4161	21.3	7.38	29.14	16,130	0.48		
W5A	-8.23	1/25/08	1020	-3.05	0.24 Ebb	3.74 116	32.1 450	0.53 7.4	86 2409	21.1	7.12	30.22	16,728	0.82		
W5A	-8.23	2/26/08	1202	-3.40	0.03 Ebb	6.49 201	100.8 1412	0.65 9.1	133 3727	20.7	7.34	30.48	16,871	1.11		
W5A	-8.23	3/17/08	1334	-3.28	0.21 Flood	6.86 212	87.6 1227	0.06 0.8	125 3521	20.4	7.38	29.95	16,578	0.59		
W5A	-8.23	4/29/08	928	-3.43	0.09 Flood	6.37 197	81.7 1144	0.09 1.2	138 3882	20.1	7.34	30.23	16,733	1.24		
W5A	-8.23	5/28/08	935	-3.45	0.18 Flood	5.94 184	79.4 1112	0.13 1.8	149 4185	20.4	7.40	30.04	16,628	0.84		
W5A	-8.23	6/17/08	1045	-3.38	0.00 Flood	5.99 185	85.1 1192	0.89 12	141 3954	20.4	7.29	30.21	16,722	4.33	2.32	
W5A	-8.23	7/22/08	939	-3.43	0.30 Ebb	5.49 170	77.0 1079	0.20 2.8	144 4045	20.6	7.42	30.20	16,716	0.74		
W5A	-8.23	7/31/08	935	-3.73	-0.09 Low	5.47 170	78.0 1093	0.67 9.4	136 3818	24.1	7.36	30.11	16,667	1.56		
W5A	-8.23	9/16/08	1023	-3.53	0.12 Ebb	5.62 174	78.8 1104	0.65 9.1	138 3881	21.3	7.32	30.42	16,838	2.73		
W5A	-8.23	10/31/08	937	-3.35	0.30 Ebb	6.08 188	70.2 984	0.16 2.2	142 3979	23.1	7.34	30.43	16,844	0.79		
W5A	-8.23	11/14/08	1129	-3.55	0.12 Ebb	6.40 198	86.4 1210	0.20 2.8	145 4069	22.7	7.58	30.10	16,661	0.66	1.02	
W5A	-8.23	12/15/08	1519	-3.48	0.61 Ebb	6.82 211	100.7 1410	1.61 23	152 4281	23.9	7.58	30.25	16,744	0.81		
W5A	-8.23	1/23/09	1424	-3.39	0.15 High	7.00 217	111.3 1559	0.78 11	131 3682	22.9	7.51	30.39	16,822	1.36	1.89	
W5A	-8.23	2/24/09	1542	-3.33	0.30 Flood	6.28 195	55.2 773	1.10 15.4	137 3843	22.4	7.45	30.82	17,060	3.14	0.20	
W5A	-8.23	3/16/09	1529	-3.61	0.03 Low	5.81 180	93.8 1315	0.13 1.8	124 3491	22.9	7.34	30.32	16,783	1.59	2.01	
W5A	-8.23	4/30/09	1602	-3.64	0.09 Flood	8.43 261	108.1 1515	1.01 14.1	144 4042	22.4	7.74	29.87	16,534	1.32		
W5A	-8.23	5/29/09	938	-3.42	0.21 High	6.72 208	94.4 1322	0.17 2.4	114 3202	20.9	7.78	30.55	16,910	1.56	0.38	
W5A	-8.23	6/18/09	1355	-3.05	0.61 High	5.58 173	80.3 1125	0.34 4.7	114 3206	20.8	7.43	30.69	16,988	1.78	0.03	
W5A	-8.23	7/31/09	1057	-3.14	0.52 Flood	6.97 216	90.8 1273	0.16 2.2	100 2813	21.0	7.50	30.59	16,932	1.94	0.06	
W5A	-8.23	8/19/09	1055	-3.40	0.09 Flood	4.81 149	71.2 998	1.44 20.2	87 2452	21.2	7.46	30.68	16,982	1.54	0.11	
W5A	-8.23	9/24/09	920	-3.15	0.61 High	6.07 188	85.3 1195	0.33 4.6	119 3349	21.0	8.17	30.23	16,733	1.12	0.04	
W5A	-8.23	10/23/09	1343	-3.53	0.21 Ebb	3.99 124	49.1 688	0.56 7.8	71 1994	21.8	7.45	30.12	16,672	1.71	0.07	
W5A	-8.23	11/17/09	1002	-3.56	0.21 Ebb	5.89 182	76.0 1064	0.86 12.1	169 4736	21.6	7.44	29.98	16,595	1.26	0.02	
W5A	-8.23	12/8/09	1020	-3.20	0.52 Ebb	5.39 167	82.0 1148	0.99 13.9	177 4976	21.5	7.49	29.89	16,545	0.93	0.03	
W5A	-8.23	1/6/10	954	-3.25	0.40 Ebb	5.36 166	84.1 1178	1.50 21.0	169 4749	22.2	7.49	29.68	16,429	1.69	0.18	
W5A	-8.23	2/2/10	936	-3.22	0.24 Ebb	5.94 184	107.1 1500	0.79 11.0	152 4279	21.8	7.51	29.84	16,517	1.51	0.18	
W5A	-8.23	3/10/10	910	-3.68	0.09 Low	6.75 209	105.6 1479	0.43 6.0	175 4928	21.3	7.56	29.51	16,335	1.21	0.44	
W5A	-8.23	4/6/10	1508	-3.59	0.09 Ebb	6.46 200	96.8 1356	0.64 9.0	170 4781	20.8	7.47	29.77	16,478	1.33	0.25	
W5A	-8.23	5/12/10	850	-3.73	-0.06 Low	6.07 188	87.5 1226	1.21 17.0	163 4582	20.8	7.60	29.75	16,467	1.27	0.06	
W5A	-8.23	6/16/10	1102	-3.58	0.09 Ebb	6.52 202	100.7 1410	0.36 5.0	183 5128	20.7	7.50	29.74	16,462	1.78	0.33	
W5A	-8.23	7/14/10	850	-3.40	0.18 Ebb	4.33 134	80.9 1133	0.21 3.0	144 4035	20.5	7.50	29.85	16,523	1.97	0.06	
W5A	-8.23	8/3/10	1723	-3.31	0.12 Ebb	5.97 185	90.5 1267	0.20 2.8	171 4796	20.8	7.55	30.09	16,656	1.31	0.13	

NELHA Water Quality Laboratory

Well 5A Data Table

6/23/1999 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	9/13/10	1459	-3.41	0.24 Ebb	6.30 195	90.6 1269	0.15 2.1	184 5154	20.9	7.45	30.08	16,650	1.79	0.12	
W5A	-8.23	10/11/10	1011	-3.01	0.46 Ebb	6.07 188	87.3 1223	0.07 1.0	176 4930	21.0	7.59	30.16	16,694	1.62	0.28	
W5A	-8.23	11/15/10	1134	-3.18	0.43 High	6.42 199	84.7 1186	0.08 1.1	178 5002	21.3	7.50	30.41	16,833	1.08	0.10	
W5A	-8.23	12/13/10	908	-3.16	0.00 High	6.46 200	86.6 1213	0.07 1.0	177 4983	21.2	7.44	30.23	16,733	0.96	0.11	
W5A	-8.23	1/3/11	1529	-3.44	0.21 High	6.42 199	89.5 1254	0.14 2.0	174 4892	21.3	7.47	30.04	16,628	1.33	0.09	
W5A	-8.23	4/4/11	1421	-3.28	0.30 Flood	5.62 174	97.2 1362	0.14 1.9	169 4756	20.9	7.71	29.99	16,600	2.10	0.07	
W5A	-8.23	7/11/11	1307	-3.14	0.67 Flood	5.84 181	105.7 1481	0.11 1.6	157 4417	21.6	7.51	30.18	16,705	3.83	0.28	
W5A	-8.23	10/10/11	1220	-3.42	0.30 Flood	6.04 187	88.7 1243	0.41 5.7	159 4452	21.5	7.44	30.51	16,888	2.75	0.10	
W5A	-8.23	1/9/12	1249	-3.58	0.03 Low	6.39 198	85.9 1203	0.33 4.6	158 4445	21.4	7.43	29.54	16,351	1.42	0.09	
W5A	-8.23	4/30/12	1412	-3.25	0.27 Ebb	6.62 205	98.9 1385	0.16 2.2	159 4471	20.7	7.45	30.20	16,716	1.69	0.03	
W5A	-8.23	7/1/12	1605	-2.92	0.73 High	6.52 202	93.9 1315	0.17 2.4	158 4442	20.2	7.45	30.55	16,910	3.15	0.26	
W5A	-8.23	10/15/12	1236	-3.47	0.12 Flood	5.94 184	88.2 1235	0.07 1.0	163 4584	20.3	7.49	30.37	16,811	2.45	0.02	
W5A	-8.23	1/7/13	1324	-3.37	0.24 Ebb	5.71 177	113.1 1584	0.10 1.4	199 5602	19.6	7.53	30.46	16,860	3.04	0.02	
W5A	-8.23	4/8/13	1132	-3.61	0.09 Flood	6.04 187	117.5 1646	0.24 3.3	155 4351	19.0	7.59	29.98	16,595	3.19	0.03	
W5A	-8.23	7/16/13	1512	-3.30	0.37 Ebb	6.07 188	111.4 1561	0.14 1.9	164 4616	20.3	7.63	30.13	16,678	2.16	0.12	
W5A	-8.23	10/14/13	1525	-3.15	0.43 Ebb	5.07 157	86.5 1212	0.38 5.3	144 4045	22.7	7.53	31.07	17,198	3.85	0.18	
W5A	-8.23	1/14/14	1415	-3.39	0.21 Flood	5.68 176	103.6 1451	0.30 4.2	152 4267	20.4	7.55	31.99	17,707	3.74	0.13	
W5A	-8.23	4/28/14	1633	-3.04	0.55 High	5.84 181	134 1880	0.57 8.0	145 4080	21.2	7.65	29.74	16,462	2.23	0.16	
W5A	-8.23	7/28/14	1422	-3.39	0.38 Flood	6.07 188	121.2 1698	2.07 29.0	148 4166	21.4	7.61	30.26	16,750	2.76	0.09	
W5A	-8.23	11/3/14	1059	-3.22	0.38 Flood	6.20 192	98.4 1378	0.07 1.0	146 4109	22.2	7.60	30.10	16,661	1.93	0.07	
W5A	-8.23	2/9/15	1625	-3.43	0.10 Low	7.35 228	95.7 1341	0.42 5.9	163 4581	21.7	7.51	30.91	17,109	1.69	0.28	
W5A	-8.23	5/19/15	1620	-2.99	0.61 Flood	5.27 163	98.3 1377	0.44 6.1	134 3758	21.4	7.67	30.36	16,805	2.50	0.03	
W5A	-8.23	7/22/15	1104	-3.42	0.24 Ebb	5.72 177	94.6 1325	0.02 0.3	140 3922	22.9	7.55	30.86	17,082	1.96	0.02	
W5A	-8.23	11/13/15	1026	-3.32	0.15 Low	6.13 190	120.7 1690	0.06 0.9	142 3995	24.0	7.62	30.53	16,899	1.92	0.15	
W5A	-8.23	1/26/16	1625	-3.31	0.33 Flood	5.67 176	101.4 1420	0.13 1.8	138 3871	22.8	7.44	30.64	16,960	1.24	0.10	
W5A	-8.23	4/21/16	1548	-3.08	0.50 Ebb	4.95 153	78.7 1103	0.35 4.9	126 3553	22.4	7.55	30.92	17,115	2.55	0.03	
W5A	-8.23	7/26/16	1523	-3.42	0.40 Ebb	4.33 134	68.0 953	0.35 4.9	116 3246	23.8	7.81	31.12	17,226	2.99	0.06	
W5A	-8.23	11/15/16	1021	-3.45	0.10 Low	4.26 132	64.1 897	0.02 0.3	125 3522	24.5	7.60	30.98	17,148	3.25	0.02	
W5A	-8.23	3/22/17	1407	-3.28	0.20 Ebb	4.97 154	90.8 1272	0.32 4.5	129 3613	23.2	7.77	31.36	17,359	1.70	0.06	
W5A	-8.23	4/19/17	1348	-3.36	0.12 Ebb	4.95 153	88.0 1232	0.28 3.9	128 3594	23.5	7.66	31.22	17,281	1.54	0.06	
W5A	-8.23	8/9/17	1552	-2.98	0.50 Flood	4.91 152	63.5 889	0.02 0.3	134 3777	23.5	7.69	31.43	17,397	2.08	0.05	
W5A	-8.23	10/19/17	1416	-3.14	0.50 Flood	4.24 131	63.6 891	0.40 5.6	113 3161	24.8	7.75	31.35	17,353	3.45	0.04	
W5A	-8.23	1/18/18	1402	-3.50	0.20 Flood	4.25 132	73.8 1033	0.23 3.2	123 3468	23.8	7.54	31.23	17,287	3.11	0.05	
W5A	-8.23	5/11/18	1025	-3.49	0.15 Flood	5.97 185	82.4 1154	0.27 3.8	127 3563	22.6	7.69	30.49	16,877	1.31	0.02	
W5A	-8.23	9/4/18	1327	-2.96	0.67 Flood	6.68 207	61.2 858	0.41 5.8	126 3549	23.3	7.78	30.50	16,883	0.93	0.05	

NELHA Water Quality Laboratory

Well 5A Data Table

6/22/1999 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H ₂ O (m)	Tide (m) (cycle)	PO ₄ ³⁻ (µM) (µg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)	NH ₄ ⁺ & NH ₃ (µM) (µg N/L)	Si (µM) (µg Si/L)	Temp. (°C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W5A	-8.23	10/25/18	1504	-3.24	0.49 High	6.41 198	67.5 945	0.19 2.7	96 2689	23.2	7.67	30.31	16,777	1.59	0.18	
W5A	-8.23	2/8/19	1331	-3.69	0.06 Low	6.45 200	82.7 1158	0.04 0.5	132 3708	22.6	7.45	30.50	16,883	1.40	0.03	
W5A	-8.23	5/16/19	931	-3.72	-0.07 Low	5.71 177	60.3 844	0.08 1.1	124 3494	22.4	7.64	31.51	17,442	3.55	0.04	
W5A	-8.23	8/28/19	1136	-3.26	0.35 Flood	5.28 164	66.0 924	0.24 3.4	136 3807	23.7	7.72	31.09	17,209	3.09	0.08	
W5A	-8.23	10/11/19	1506	-2.97	0.57 High	4.20 130	51.4 720	0.64 9.0	118 3303	24.6	7.82	31.10	17,215	3.99	0.06	
W5A	-8.23	2/5/20	1515	-3.43	0.22 Ebb	5.07 157	75.9 1063	-0.35 -4.9	130 3652	22.7	7.63	31.51	17,442	1.86	0.02	
W5A	-8.23	6/3/20	1416	-2.77	0.60 High	3.94 122	69.2 969	0.26 3.7	137 3855	22.1	7.55	30.73	17,010	2.79	0.09	
W5A	-8.23	8/19/20	1334	-3.16	0.40 Flood	4.29 133	71.1 996	0.33 4.6	150 4204	22.2	7.69	30.19	16,711	4.69	0.05	
W5A	-8.23	12/9/20	1615	-3.44	0.10 Ebb	4.31 134	69.2 969	0.26 3.7	131 3678	22.1	7.57	31.65	17,519	3.21	0.13	
W5A	-8.23	2/18/21	1344	-3.49	0.05 Low	4.11 127	65.9 924	0.14 2.0	123 3449	22.1	7.51	31.75	17,574	3.32	0.11	
W5A	-8.23	4/15/21	1044	-3.60	-0.03 Low	4.88 151	82.3 1153	0.13 1.8	139 3897	21.9	7.40	30.32	16,783	2.07	0.24	
W5A	-8.23	7/7/21	1339	-3.08	0.50 Flood	5.59 173	84.7 1187	0.08 1.1	145 4074	21.8	7.31	29.90	16,550	2.30	0.18	
W5A	-8.23	11/8/21	1341	-3.54	0.18 Low	5.53 171	66.9 937	0.19 2.7	144 4048	22.2	7.35	29.71	16,445	2.16	0.12	
W5A	-8.23	2/8/22	1215	-3.40	0.15 Ebb	7.54 234	95.2 1334	0.11 1.5	165 4628	21.1	7.42	29.58	16,373	2.47	0.02	
W5A	-8.23	4/21/22	1040	-3.63	0.01 Low	5.27 163	72.6 1017	0.02 0.3	153 4300	20.9	7.40	29.13	16,124	2.66	0.03	
W5A	-8.23	7/13/22	1315	-3.32	0.40 Flood	4.47 138	68.2 956	-0.33 -4.6	159 4472	21.5	7.44	30.08	16,650	3.96	0.02	
W5A	-8.23	11/22/22	1208	-3.39	0.35 High	5.63 174	78.6 1101	0.06 0.9	157 4412	21.8	7.43	26.76	14,812	2.42	0.24	
W5A	-8.23	1/26/23	1101	-3.37	0.20 Ebb	5.14 159	77.8 1090	0.04 0.6	142 3990	21.0	7.47	29.79	16,490	3.20	0.04	
W5A	-8.23	4/26/23	1356	-3.55	0.08 Flood	5.84 181	77.5 1086	0.26 3.6	155 4348	20.8	7.40	29.06	16,085	3.13	0.20	
W5A	-8.23	8/15/23	1335	-3.14	0.50 Flood	5.49 170	85.8 1202	-0.01 -0.2	160 4491	21.1	7.43	28.81	15,947	4.05	0.23	
W5A	-8.23	11/16/23	1125	-3.28	0.20 Ebb	4.57 142	81.4 1140	0.11 1.6	151 4230	21.6	7.51	29.41	16,279	3.65	0.13	138.5
W5A	-8.23	1/23/24	1547	-3.32	0.70 Ebb	4.46 138	66.9 937	0.13 1.8	131 3686	21.6	7.51	30.38	16,816	2.86	0.15	139.6
W5A	-8.23	5/7/24	1353	-3.06	0.45 Flood	5.09 158	82.6 1157	0.05 0.7	144 4042	21.6	7.46	29.28	16,207	2.68	0.24	196.7
W5A	-8.23	7/31/24	1459	-2.84	0.67 High	5.71 177	86.3 1209	0.06 0.9	143 4030	21.6	7.59	26.48	14,657	3.97	0.16	135.4
W5A	-8.23	12/11/24	1130	-3.23	0.40 High	4.88 151	87.8 1230	0.27 3.8	132 3702	21.0	7.64	29.83	16,512	4.53	0.13	195.9
W5A	-8.23	1/10/25	1349	-3.34	0.15 Ebb	4.74 147	8.5 120	0.41 5.8	124 3478	21.0	7.64	30.41	16,833	4.25	0.08	161.3
W5A	-8.23	5/13/25	1611	-2.90	0.62 High	5.42 168	85.6 1199	0.35 4.9	139 3893	21.2	7.62	39.69	21,969	3.76	0.23	145
Mean				-3.32	0.29	5.39 167	82.52 1156	0.49 6.9	173 4845	21.0	7.61	29.77	16,480	2.90	0.20	158.9
Std. Dev.				0.21	0.20	0.83 26	30.54 428	2.79 39.1	42 1174	2.5	0.14	1.37	756	1.64	0.39	26.9
Maximum				-2.77	0.73	8.43 261	404 5659	43.27 606	292 8201	25.4	8.17	39.69	21,969	7.40	2.32	196.7
Minimum				-3.73	-0.09	3.62 112	9 120	-0.35 -4.9	66 1854	14.4	7.11	23.02	12,740	0.25	0.02	135.4
n				100	100	306 306	306 306	305 306	299 299	306	305	305	305	304	83	7