

NELHA Water Quality Laboratory

Well 10B Data Table

1/21/2009 - 12/31/2015

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)
W10B	-4.57	01/21/09	1050	-2.44	0.12 Flood	2.98 92	75.8 1062	0.14 1.9	343 9647	22.0	7.71	21.08	11,668	5.23	8.13	
W10B	-4.57	02/24/09	1213	-2.50	0.09 Flood	3.05 95	51.4 720	0.15 2.1	257 7224	22.2	7.55	21.39	11,840	4.89	2.01	
W10B	-4.57	03/13/09	1521	-2.26	0.37 Flood	3.51 109	49.4 692	0.13 1.8	304 8533	21.6	7.64	22.61	12,515	4.65	37.40	
W10B	-4.57	04/20/09	1602	-2.19	0.37 Flood	4.37 135	52.0 728	0.35 4.9	298 8363	22.8	7.64	22.03	12,194	4.26	24.70	
W10B	-4.57	05/27/09	848	-2.44	0.12 Ebb	3.47 108	48.5 679	0.26 3.6	517 14533	21.8	7.74	23.78	13,163	4.18	1.72	
W10B	-4.57	06/18/09	901	-2.36	0.21 Flood	2.49 77	38.1 534	0.35 4.9	104 2930	21.2	7.56	24.99	13,833	5.58	0.76	
W10B	-4.57	07/14/09	922	-2.20	0.43 High	3.10 96	53.7 753	0.38 5.3	185 5206	21.5	7.81	24.23	13,412	5.34	0.13	
W10B	-4.57	08/19/09	758	-2.50	0.03 Ebb	3.04 94	43.9 616	0.84 11.7	224 6295	21.8	7.70	25.08	13,882	3.74	1.96	
W10B	-4.57	09/22/09	759	-2.02	0.58 Ebb	2.87 89	43.1 603	0.60 8.4	183 5127	22.2	8.20	25.05	13,866	4.93	0.23	
W10B	-4.57	10/19/09	1525	-2.29	0.27 Flood	2.89 90	25.6 358	0.50 7.0	63 1778	22.5	7.16	24.87	13,766	5.34	0.12	
W10B	-4.57	11/17/09	1334	-2.52	0.15 Flood	3.50 109	55.8 781	0.86 12.0	290 8152	21.7	7.68	24.21	13,401	5.62	0.28	
W10B	-4.57	12/07/09	1445	-2.60	0.09 Ebb	3.36 104	67.6 947	0.96 13.4	344 9648	21.1	7.72	22.18	12,277	5.42	0.10	
W10B	-4.57	01/05/10	1308	-2.51	0.09 Ebb	3.62 112	55.8 781	0.71 10.0	311 8741	21.3	7.70	21.68	12,000	4.86	0.13	
W10B	-4.57	02/01/10	1435	-2.41	0.00 Flood	3.58 111	65.8 922	0.50 7.0	292 8192	20.0	7.67	22.82	12,631	4.99	0.30	
W10B	-4.57	03/09/10	1347	-2.38	0.15 High	4.00 124	65.0 910	0.36 5.0	346 9717	20.2	7.67	22.07	12,216	5.21	0.17	
W10B	-4.57	04/06/10	1134	-2.43	0.15 High	4.20 130	63.9 895	0.93 13.0	352 9887	20.0	7.67	22.21	12,294	5.30	0.26	
W10B	-4.57	05/11/10	1200	-2.22	0.30 Flood	3.49 108	52.3 732	1.36 19.0	344 9656	20.2	7.70	24.11	13,346	5.46	0.17	
W10B	-4.57	06/15/10	1347	-2.57	0.09 Flood	3.68 114	62.3 872	0.50 7.0	344 9662	20.4	7.72	24.08	13,329	5.27	0.12	
W10B	-4.57	07/13/10	1217	-2.55	0.09 Flood	3.65 113	59.0 826	0.50 7.0	353 9906	20.5	7.65	23.86	13,207	4.77	0.23	
W10B	-4.57	08/03/10	1210	-2.00	0.55 High	4.16 129	61.0 855	0.41 5.7	316 8868	20.4	7.64	25.63	14,187	4.70	0.28	
W10B	-4.57	09/14/10	1212	-2.03	0.52 Ebb	4.13 128	60.0 841	0.36 5.0	333 9359	20.4	7.65	25.25	13,977	4.29	0.44	
W10B	-4.57	10/12/10	1220	-2.14	0.40 Ebb	4.00 124	63.3 886	0.21 2.9	339 9530	20.5	7.61	24.45	13,534	4.82	0.19	
W10B	-4.57	11/16/10	1135	-2.15	0.37 Flood	3.75 116	65.3 914	0.22 3.1	324 9112	21.0	7.66	24.64	13,639	5.25	0.11	
W10B	-4.57	12/14/10	1211	-2.11	0.30 Ebb	3.87 120	78.7 1103	0.25 3.5	348 9765	21.1	7.64	23.00	12,731	5.16	0.18	
W10B	-4.57	01/04/11	1202	-2.45	0.03 Low	4.23 131	78.7 1102	0.46 6.4	355 9976	20.8	7.48	21.73	12,028	4.87	0.38	
W10B	-4.57	04/05/11	1223	-2.49	0.00 Flood	4.29 133	57.3 802	0.09 1.3	323 9081	21.1	7.59	22.73	12,582	3.59	0.24	
W10B	-4.57	07/12/11	1145	-2.28	0.43 Flood	4.23 131	53.3 747	0.14 1.9	341 9590	20.6	7.56	24.60	13,617	4.65	0.50	
W10B	-4.57	10/11/11	1434	-2.07	0.43 Flood	3.78 117	62.4 874	0.10 1.4	326 9148	20.2	7.59	24.82	13,739	5.09	2.62	
W10B	-4.57	01/10/12	1220	-2.54	0.00 Low	3.55 110	64.0 897	0.17 2.4	311 8723	20.2	7.47	23.30	12,897	4.95	0.31	
W10B	-4.57	5/1/12	1237	-2.12	0.40 Flood	3.94 122	59.6 835	0.29 4.1	322 9044	20.1	7.57	25.75	14,253	4.51	0.09	
W10B	-4.57	7/18/12	1123	-2.51	0.09 Flood	3.84 119	65.8 921	0.34 4.8	328 9209	20.1	7.66	25.15	13,921	5.98	3.02	
W10B	-4.57	10/16/12	1156	-2.46	0.09 Low	3.52 109	61.0 854	0.24 3.3	308 8663	19.9	7.53	25.56	14,148	5.35	1.85	
W10B	-4.57	1/8/13	1235	-2.29	0.18 Flood	4.33 134	72.5 1016	0.40 5.6	375 10534	19.2	7.48	23.95	13,257	4.77	0.69	
W10B	-4.57	4/9/13	1429	-2.13	0.43 Flood	4.75 147	49.3 690	0.72 10.1	322 9045	19.6	7.48	24.92	13,794	3.71	1.12	
W10B	-4.57	7/17/13	1432	-2.01	0.58 Ebb	3.78 117	55.2 773	0.23 3.2	335 9409	21.0	7.46	25.18	13,938	4.86	0.25	

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1/21/2009 - 12/31/2025

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)
W10B	-4.57	10/15/13	1200	-2.15	0.46 Flood	3.42 106	55.9 783	0.38 5.3	295 8282	20.3	7.48	26.42	14,624	4.34	0.09	
W10B	-4.57	1/15/14	1207	-2.46	0.00 Low	3.84 119	71.5 1002	0.51 7.2	328 9218	20.7	7.58	22.84	12,643	5.23	0.06	
W10B	-4.57	4/29/14	1352	-2.27	0.40 Flood	3.65 113	62.3 873	0.49 6.8	306 8585	19.6	7.45	25.19	13,943	5.45	0.13	
W10B	-4.57	7/29/14	1218	-2.42	0.12 Flood	3.91 121	58.6 821	0.36 5.0	282 7928	19.7	7.42	26.47	14,652	5.34	0.26	
W10B	-4.57	11/5/14	1227	-2.21	0.15 Flood	3.84 119	64.4 902	0.28 3.9	269 7567	21.8	7.56	25.55	14,143	4.87	0.16	
W10B	-4.57	2/10/15	1236	-2.31	0.24 High	5.51 171	84.0 1176	0.45 6.3	252 7073	20.8	7.58	23.39	12,947	5.20	0.72	
W10B	-4.57	5/19/15	1203	-2.54	0.00 Flood	4.45 138	72.6 1017	0.41 5.8	312 8775	21.6	7.56	23.14	12,809	4.47	0.34	
W10B	-4.57	7/21/15	1435	-2.36	0.18 Flood	4.49 139	70.7 990	0.20 2.8	338 9481	22.2	7.51	22.82	12,631	5.03	0.18	
W10B	-4.57	11/9/15	1304	-2.08	0.42 Flood	5.06 157	79.7 1117	0.21 2.9	307 8615	21.6	7.36	24.42	13,517	5.02	0.23	
W10B	-4.57	1/26/16	1212	-2.51	0.08 Low	4.84 150	68.3 957	0.54 7.5	307 8629	20.3	7.25	24.06	13,318	2.78	0.30	
W10B	-4.57	4/21/16	1425	-2.04	0.55 High	5.10 158	66.4 930	0.31 4.3	295 8287	20.4	7.15	24.84	13,750	3.63	0.08	
W10B	-4.57	7/26/16	1110	-2.09	0.40 Flood	4.46 138	78.5 1100	0.08 1.1	294 8261	20.9	7.31	23.60	13,063	4.88	0.65	
W10B	-4.57	11/10/16	1345	-1.99	0.50 Ebb	4.46 138	65.6 919	0.21 2.9	290 8147	20.9	7.12	24.38	13,495	4.49	0.48	
W10B	-4.57	3/21/17	1637	-2.28	0.07 Low	4.67 145	71.6 1003	0.36 5.0	334 9372	20.0	7.17	24.02	13,296	3.79	0.21	
W10B	-4.57	4/13/17	1114	-2.46	-0.05 Low	4.44 138	69.4 972	0.24 3.3	324 9109	20.4	7.25	24.89	13,777	3.44	0.09	
W10B	-4.57	8/4/17	1414	-1.75	0.62 High	4.36 135	50.0 700	0.06 0.9	299 8388	20.8	7.46	25.94	14,358	4.57	0.14	
W10B	-4.57	10/19/17	1100	-2.33	0.20 Flood	4.76 147	76.3 1069	0.65 9.1	306 8593	21.1	7.26	24.27	13,434	4.18	0.35	
W10B	-4.57	1/17/18	1447	-2.30	0.35 High	4.82 149	81.7 1144	0.23 3.2	321 9029	20.3	7.16	24.23	13,412	3.28	0.42	
W10B	-4.57	5/10/18	1421	-2.09	0.35 Ebb	4.76 147	83.0 1162	0.25 3.5	315 8856	22.0	7.24	26.75	14,807	4.71	0.63	
W10B	-4.57	8/29/18	1659	-1.98	0.52 Flood	4.70 146	68.4 959	0.29 4.1	315 8847	20.8	7.41	24.71	13,678	4.16	1.58	
W10B	-4.57	10/25/18	1125	-2.36	0.20 Flood	6.72 208	66.1 926	0.09 1.3	284 7979	21.2	7.39	25.31	14,010	3.59	0.25	
W10B	-4.57	2/7/19	1501	-2.48	0.30 Flood	6.23 193	83.1 1164	0.03 0.4	309 8669	19.8	7.20	24.43	13,523	4.66	0.17	
W10B	-4.57	5/16/19	1424	-1.99	0.45 Flood	5.00 155	62.6 876	0.13 1.8	274 7703	19.6	7.15	25.51	14,120	4.34	0.70	
W10B	-4.57	8/29/19	1027	-2.41	0.17 Flood	5.27 163	64.2 899	0.24 3.3	312 8755	21.2	7.32	24.60	13,617	3.64	0.47	
W10B	-4.57	10/10/19	1220	-2.00	0.55 High	4.95 153	48.9 685	0.41 5.8	272 7638	21.7	7.45	24.94	13,805	3.45	2.38	
W10B	-4.57	2/4/20	1520	-2.35	0.10 Ebb	6.33 196	78.8 1104	-0.23 -3.2	306 8589	20.3	7.50	23.15	12,814	4.41	2.74	
W10B	-4.57	6/2/20	1126	-2.03	0.45 Flood	3.95 122	59.2 829	-0.13 -1.8	295 8294	21.2	7.62	25.35	14,032	3.48	1.01	
W10B	-4.57	8/19/20	1031	-2.40	0.10 Flood	3.11 96	59.5 833	0.26 3.7	295 8282	21.1	7.55	25.00	13,838	4.39	0.87	
W10B	-4.57	12/9/20	1008	-1.97	0.50 High	4.15 128	72.5 1015	0.43 6.0	323 9058	21.3	7.39	24.07	13,323	4.35	0.88	
W10B	-4.57	2/17/21	1112	-2.27	0.10 Ebb	3.62 112	61.5 861	0.24 3.3	291 8164	21.9	7.41	23.90	13,229	4.34	0.34	
W10B	-4.57	4/14/21	1156	-2.49	0.00 Low	4.04 125	67.2 941	0.15 2.1	324 9100	21.8	7.40	22.36	12,377	4.71	0.28	
W10B	-4.57	7/7/21	1124	-2.32	0.40 Flood	4.38 136	70.8 992	0.05 0.7	315 8841	21.6	7.31	24.58	13,606	4.89	0.26	
W10B	-4.57	11/8/21	1216	-2.29	0.20 Low	3.96 123	67.4 944	0.24 3.3	323 9070	21.5	7.34	22.66	12,543	4.92	0.37	
W10B	-4.57	2/4/22	1215	-2.44	0.03 Low	3.32 103	65.5 917	0.19 2.7	385 10814	21.4	7.40	22.85	12,648	4.31	0.88	
W10B	-4.57	4/20/22	1146	-2.66	-0.07 Low	3.06 95	60.3 845	0.13 1.8	331 9294	21.4	7.37	22.80	12,620	4.79	0.14	

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1/21/2009 - 12/31/2025

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)
W10B	-4.57	7/12/22	1434	-1.91	0.79 High	3.86 120	68.6 961	-0.36 -5.1	325 9138	21.0	7.41	24.38	13,495	5.13	0.16	
W10B	-4.57	11/22/22	1121	-2.34	0.30 Flood	3.69 114	74.2 1040	-0.01 -0.1	292 8191	21.1	7.40	23.87	13,213	5.59	1.62	
W10B	-4.57	1/26/23	1011	-2.15	0.25 Ebb	3.98 123	73.2 1025	0.07 1.0	315 8856	19.6	7.44	23.13	12,803	5.34	0.27	
W10B	-4.57	4/25/23	1512	-2.44	0.13 Flood	4.13 128	71.3 999	0.07 1.0	360 10097	20.2	7.39	22.92	12,687	5.09	0.39	
W10B	-4.57	8/15/23	1039	-3.04	0.20 Flood	3.23 100	68.5 959	-0.08 -1.1	316 8874	20.8	7.35	23.23	12,858	5.03	0.33	
W10B	-4.57	11/15/23	1602	-2.83	0.33 High	3.29 102	70.4 986	0.14 1.9	275 7716	20.7	7.40	24.82	13,739	5.34	0.86	194.6
W10B	-4.57	1/23/24	1105	-2.99	0.55 Flood	3.31 102	72.7 1019	0.08 1.1	282 7926	19.5	7.35	24.28	13,440	5.34	0.49	163.2
W10B	-4.57	5/7/24	1213	-2.87	0.20 Flood	3.77 117	74.4 1042	0.01 0.1	301 8450	20.5	7.38	23.51	13,013	4.86	0.63	216.7
W10B	-4.57	7/31/24	1203	-2.59	0.67 High	4.61 143	68.3 957	-0.09 -1.2	293 8240	21.0	7.35	25.12	13,905	3.07	0.57	124.6
W10B	-4.57	12/10/24	1537	-2.95	0.10 Ebb	4.04 125	66.7 935	0.09 1.3	311 8723	20.8	7.38	23.18	12,831	4.43	0.90	163.8
W10B	-4.57	1/9/25	1506	-2.94	0.20 Ebb	3.62 112	57.0 799	0.51 7.2	280 7853	21.2	7.40	25.29	13,999	4.09	0.19	190.4
W10B	-4.57	5/14/25	1259	-2.92	0.20 Flood	3.87 120	48.7 682	0.09 1.2	288 8091	21.7	7.53	24.95	13,810	3.11	0.64	139.1
W10B	-4.57	7/29/25	1443	-3.04	0.30 Flood	3.42 106	51.9 727	0.01 0.2	265 7441	22.4	7.39	26.37	14,596	3.14	1.57	191.4
W10B	-4.57	12/18/25	844	-2.81	0.16 Low	4.46 138	59.3 831	0.00 0.0	810 22747	22.0	7.25	22.82	12,631	3.74	0.62	217.0
Mean				-2.36	0.26	4.05 125	63.67 892	0.29 4.0	312 8761	20.9	7.48	24.10	13,339	4.62	1.42	177.9
Std. Dev.				0.28	0.19	0.76 24	10.77 151	0.27 3.8	77 2156	0.8	0.18	1.25	693	0.70	4.87	32.4
Maximum				-1.75	0.79	6.72 208	83.95 1176	1.36 19.0	810 22747	22.8	8.20	26.75	14,807	5.98	37.40	217.0
Minimum				-3.04	-0.07	2.49 77	25.59 358	-0.36 -5.1	63 1778	19.2	7.12	21.08	11,668	2.78	0.06	124.6
n				84	84	84 84	84 84	84 84	84 84	84	84	84	84	84	84	9