

NELHA Water Quality Laboratory

Well 10 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)
W10	-18.29	1/21/09	1118	-2.02	0.12 Flood	1.28 40	24.7 347	0.14 1.9	135 3801	23.9	8.02	29.96	16584	2.50	2.39	
W10	-18.29	2/24/09	1239	-2.40	0.09 Flood	0.72 22	24.4 342	0.15 2.1	143 4018	23.6	7.95	29.79	16490	2.07	2.77	
W10	-18.29	3/13/09	1555	-2.23	0.37 Flood	1.93 60	13.5 189	0.13 1.8	274 7700	23.3	7.91	29.89	16545	2.48	1.50	
W10	-18.29	4/20/09	1535	-2.09	0.37 Flood	1.89 59	20.0 280	0.35 4.9	123 3447	24.9	7.79	30.06	16639	2.91	2.42	
W10	-18.29	5/27/09	827	-2.28	0.12 Ebb	1.66 51	22.3 313	0.15 2.1	120 3372	22.5	7.91	29.79	16490	2.88	0.67	
W10	-18.29	6/18/09	931	-2.21	0.21 Flood	1.97 61	25.1 352	0.36 5.1	147 4121	22.5	8.03	29.60		3.25	0.48	
W10	-18.29	7/14/09	1017	-2.10	0.43 High	1.78 55	18.1 254	0.38 5.3	94 2638	22.3	8.06	29.89	16545	3.39	0.34	
W10	-18.29	8/19/09	825	-2.45	0.03 Ebb	1.97 61	23.3 327	0.84 11.7	114 3190	22.3	7.98	30.05	16633	3.57	0.49	
W10	-18.29	9/22/09	834	-2.00	0.58 Ebb	1.94 60	21.1 296	0.60 8.4	101 2827	22.5	7.94	30.28	16761	2.65	0.48	
W10	-18.29	10/19/09	1608	-2.27	0.27 Flood	3.00 93	19.2 269	1.61 22.5	85 2388	23.1	8.22	30.58	16927	2.71	0.90	
W10	-18.29	11/17/09	1411	-2.50	0.15 Flood	2.75 85	22.7 318	0.86 12.1	108 3022	23.4	7.90	31.14	17237	1.87	0.33	
W10	-18.29	12/7/09	1449	-2.55	0.09 Ebb	2.39 74	28.0 392	0.96 13.4	166 4660	24.0	7.83	30.74	17015	1.07	0.21	
W10	-18.29	1/5/10	1257	-2.45	0.09 Ebb	1.94 60	21.8 306	1.29 18.0	150 4206	24.1	7.88	30.38	16816	2.75	0.64	
W10	-18.29	2/1/10	1426	-2.33	0.00 Flood	2.20 68	24.3 340	0.64 9.0	143 4025	23.1	7.90	30.09	16656	2.82	0.20	
W10	-18.29	3/9/10	1343	-2.44	0.15 High	2.71 84	21.3 299	0.36 5.0	156 4370	24.2	7.92	30.47	16866	3.69	0.55	
W10	-18.29	4/6/10	1143	-2.40	0.15 High	2.58 80	22.6 317	0.79 11.0	150 4204	25.1	7.97	30.62	16949	3.67	0.44	
W10	-18.29	5/11/10	1214	-2.18	0.30 Flood	1.58 49	16.8 235	1.50 21.0	124 3469	24.6	8.09	30.53	16899	3.62	0.46	
W10	-18.29	6/15/10	1325	-2.52	0.09 Flood	1.87 58	23.3 326	0.29 4.0	158 4434	22.4	8.08	30.35	16800	3.40	0.14	
W10	-18.29	7/13/10	1155	-2.57	0.09 Flood	1.90 59	26.9 377	0.07 1.0	155 4346	22.1	7.98	30.28	16761	2.28	0.63	
W10	-18.29	8/3/10	1153	-1.97	0.55 High	2.23 69	31.7 444	0.43 6.0	159 4458	22.0	7.95	30.10	16661	1.48	0.61	
W10	-18.29	9/14/10	1152	-1.97	0.52 Ebb	2.23 69	36.6 513	0.14 2.0	170 4765	22.5	7.82	30.68	16982	1.00	0.17	
W10	-18.29	10/12/10	1205	-2.07	0.40 Ebb	2.45 76	31.6 442	0.06 0.9	173 4847	22.6	7.82	30.39	16822	1.47	0.23	
W10	-18.29	11/16/10	1118	-2.05	0.37 Flood	2.74 85	29.5 413	0.19 2.7	174 4874	22.6	7.79	30.36	16805	2.40	0.13	
W10	-18.29	12/14/10	1156	-2.11	0.30 Ebb	2.62 81	25.1 351	0.09 1.3	180 5064	22.6	7.81	30.39	16822	2.28	0.17	
W10	-18.29	1/4/11	1146	-2.49	0.03 Low	2.87 89	24.7 346	0.27 3.8	171 4813	23.0	7.74	30.59	16932	2.56	0.13	
W10	-18.29	4/5/11	1211	-2.46	0.00 Flood	2.26 70	29.2 409	0.06 0.8	141 3967	23.4	7.90	30.82	17060	2.34	0.06	
W10	-18.29	7/12/11	1201	-2.22	0.43 Flood	2.10 65	32.4 454	0.12 1.7	156 4391	22.6	7.56	30.80	17049	0.39	0.67	
W10	-18.29	10/10/11	1416	-2.02	0.43 Flood	2.62 81	32.2 451	0.16 2.3	155 4345	22.7	7.57	30.87	17087	0.18	0.27	
W10	-18.29	1/10/12	1202	-2.50	0.00 Low	2.26 70	29.5 413	5.21 73	153 4290	22.9	7.54	30.44	16849	0.10	0.10	
W10	-18.29	5/1/12	1220	-2.07	0.40 Flood	3.00 93	27.7 388	0.11 1.5	159 4475	20.1	7.78	29.92	16561	3.89	0.10	
W10	-18.29	7/18/12	1108	-2.42	0.09 Flood	2.29 71	38.5 539	0.50 7.0	167 4695	22.0	7.83	30.25	16744	4.43	0.15	
W10	-18.29	10/16/12	1211	-2.39	0.09 Low	2.13 66	36.3 508	0.27 3.8	166 4649	22.1	7.72	30.37	16811	3.86	0.14	
W10	-18.29	1/8/13	1215	-2.25	0.18 Flood	2.36 73	37.6 527	0.19 2.7	196 5492	22.2	7.77	29.95	16578	3.94	0.08	
W10	-18.29	4/9/13	1410	-2.12	0.43 Flood	3.58 111	23.6 331	4.80 67.3	180 5059	20.7	7.60	29.69	16434	1.68	0.13	
W10	-18.29	7/17/13	1411	-1.97	0.58 Ebb	3.07 95	39.5 553	0.15 2.1	144 4036	19.5	7.70	29.46	16307	3.69	0.29	

NELHA Water Quality Laboratory

Well 10 Data Table

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)
W10	-18.29	10/15/13	1143	-2.11	0.46 Flood	2.91 90	24.2 339	0.09 1.2	164 4595	23.0	7.53	31.93	17674	0.57	0.09	
W10	-18.29	1/15/14	1141	-2.40	0.00 Low	3.13 97	33.2 465	0.26 3.7	146 4105	21.6	7.69	30.36	16805	1.61	0.13	
W10	-18.29	4/29/14	1415	-2.21	0.40 Flood	3.00 93	30.3 425	0.41 5.8	176 4937	18.8	7.53	28.81	15947	1.73	0.06	
W10	-18.29	7/29/14	1224	-2.36	0.12 Flood	2.42 75	39.6 554	0.50 7.0	142 3994	23.0	7.48	31.50	17436	3.77	0.23	
W10	-18.29	11/5/04	1220	-2.17	0.15 Flood	2.74 85	30.5 427	0.34 4.7	142 3987	23.4	7.62	30.84	17071	1.91	0.10	
W10	-18.29	2/10/15	1219	-2.24	0.24 High	3.65 113	54.0 757	0.66 9.3	248 6975	22.5	7.47	30.36	16805	1.21	0.15	
W10	-18.29	5/19/15	1224	-2.49	0.00 Flood	2.93 91	27.2 381	1.11 15.5	138 3869	23.7	7.82	29.90	16550	4.51	0.03	
W10	-18.29	7/21/15	1442	-2.36	0.18 Flood	2.90 90	28.7 402	34.35 481.1	147 4123	22.8	7.60	30.58	16927	0.24	0.04	
W10	-18.29	11/9/15	1325	-2.05	0.42 Flood	5.26 163	28.5 399	0.11 1.5	175 4910	22.7	7.46	29.90	16550	0.66	0.08	
W10	-18.29	1/26/16	1232	-2.46	0.08 Low	3.07 95	56.3 788	0.02 0.3	158 4426	23.3	7.32	30.73	17010	0.25	0.05	
W10	-18.29	4/21/16	1453	-2.00	0.55 High	3.06 95	60.0 840	1.56 21.9	143 4014	22.6	7.27	30.69	16988	0.30	0.08	
W10	-18.29	7/26/16	1047	-2.02	0.40 Flood	4.21 130	13.1 183	4.85 67.9	166 4670	21.8	7.39	30.64	16960	0.23	0.05	
W10	-18.29	11/10/16	1407	-1.94	0.50 Ebb	2.81 87	50.2 703	1.30 18.2	130 3662	21.4	7.34	30.68	16982	3.01	0.15	
W10	-18.29	3/21/17	1700	-2.19	0.07 Low	2.98 92	45.2 633	0.03 0.4	153 4308	21.7	7.36	30.70	16993	2.36	0.06	
W10	-18.29	4/13/17	1141	-2.35	-0.05 Low	2.49 77	52.0 728	0.28 3.9	138 3863	22.9	7.39	31.62	17502	1.39	0.08	
W10	-18.29	8/4/17	1439	-1.71	0.62 High	3.48 108	16.7 234	19.90 278.8	162 4554	22.2	7.43	31.28	17314	0.22	0.07	
W10	-18.29	10/19/17	1129	-2.29	0.20 Flood	5.17 160	13.2 185	54.74 766.7	163 4575	21.9	7.32	30.52	16894	0.44	0.11	
W10	-18.29	1/17/18	1510	-2.26	0.35 High	2.32 72	67.9 952	0.22 3.1	143 4029	22.3	7.17	30.43	16844	0.70	0.06	
W10	-18.29	5/10/18	1449	-2.06	0.35 Ebb	3.16 98	30.9 433	0.89 12.4	148 4144	21.4	7.20	33.32	18443	0.69	0.07	
W10	-18.29	8/29/18	1640	-1.95	0.52 Flood	2.77 86	38.1 533	1.29 18.0	149 4181	23.2	7.23	30.59	16932	0.74	0.19	
W10	-18.29	10/25/18	1150	-2.27	0.20 Flood	3.21 99	54.6 765	0.02 0.3	126 3526	24.4	7.32	31.46	17414	1.70	0.07	
W10	-18.29	2/7/19	1527	-2.38	0.30 Flood	4.98 154	19.8 277	0.01 0.1	144 4036	22.1	7.29	30.87	17087	0.47	0.05	
W10	-18.29	5/16/19	1445	-1.93	0.45 Flood	3.46 107	39.9 559	3.31 46.3	145 4072	21.6	7.15	30.89	17098	0.25	0.02	
W10	-18.29	8/29/19	1053	-2.34	0.17 Flood	2.57 80	25.3 355	17.22 241.2	141 3963	25.0	7.27	31.37	17364	0.02	0.04	
W10	-18.29	10/10/19	1240	-1.97	0.55 High	2.46 76	33.7 472	0.62 8.7	129 3629	25.2	7.37	32.02	17724	0.13	0.16	
W10	-18.29	2/4/20	1547	-2.31	0.10 Ebb	3.39 105	60.3 844	-0.74 -10.4	126 3546	23.7	7.38	32.08	17757	0.20	0.10	
W10	-18.29	6/2/20	1150	-1.99	0.45 Flood	2.67 83	9.0 126	5.46 76.5	153 4287	21.7	7.47	31.11	17220	0.34	0.05	
W10	-18.29	8/19/20	1050	-2.34	0.10 Flood	2.47 76	54.5 763	0.29 4.0	157 4422	24.0	7.47	29.90	16550	0.10	0.10	
W10	-18.29	12/9/20	1028	-1.90	0.50 High	2.63 82	4.7 66	3.27 45.8	141 3973	23.9	7.28	31.94	17680	0.23	1.38	
W10	-18.29	2/17/21	1134	-2.18	0.10 Ebb	3.41 106	1.2 17	0.13 1.8	149 4181	23.5	7.30	31.59	17486	0.18	0.24	
W10	-18.29	4/14/21	1217	-2.42	0.00 Low	3.94 122	18.7 262	0.12 1.7	129 3632	23.8	7.37	31.95	17685	1.76	0.02	
W10	-18.29	7/7/21	1150	-2.28	0.40 Flood	3.63 112	13.4 188	2.01 28.1	145 4084	23.5	7.24	30.80	17049	0.21	0.08	
W10	-18.29	11/8/21	1231	-2.19	0.20 Low	2.48 77	16.7 233	0.46 6.5	139 3914	24.8	7.01	31.56	17469	0.20	0.16	
W10	-18.29	2/4/22	1231	-2.34	0.03 Low	5.44 168	29.9 419	0.09 1.2	157 4399	23.6	7.24	30.81	17054	0.26	0.04	
W10	-18.29	4/20/22	1206	-2.62	-0.07 Low	2.97 92	9.1 128	175.92 2464.0	159 4464	23.4	7.05	30.49	16877	0.12	0.02	

NELHA Water Quality Laboratory

Well 10 Data Table

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)
W10	-18.29	7/12/22	1456	-1.86	0.79 High	3.49 108	37.5 525	-0.32 -4.5	154 4313	19.8	7.27	29.35	16246	2.12	0.07	
W10	-18.29	11/22/22	1140	-2.26	0.30 Flood	2.53 78	62.6 876	0.11 1.6	126 3540	23.1	7.20	31.23	17287	1.56	0.36	
W10	-18.29	1/26/23	1031	-2.10	0.25 Ebb	3.75 116	40.4 565	0.17 2.4	127 3574	23.3	7.44	31.14	17237	3.13	0.06	
W10	-18.29	4/25/23	1535	-2.39	0.13 Flood	4.25 132	15.0 211	1.09 15.3	148 4164	21.9	7.26	30.32	16783	0.48	0.14	
W10	-18.29	8/15/23	1105	-3.06	0.20 Flood	2.72 84	32.7 458	0.09 1.3	148 4163	21.0	7.18	30.36	16805	0.74	0.34	
W10	-18.29	11/15/23	1627	-2.84	0.33 High	2.27 70	52.8 739	0.06 0.8	124 3478	24.4	7.11	31.72	17558	0.84	0.96	139.4
W10	-18.29	1/23/24	1124	-3.00	0.55 Flood	2.21 69	56.3 788	0.07 1.0	106 2986	23.9	7.18	31.79	17597	1.44	0.14	146.3
W10	-18.29	5/7/24	1234	-2.80	0.30 Flood	3.64 113	23.9 335	-0.01 -0.1	132 3716	23.0	7.31	30.80	17049	1.09	0.19	173.7
W10	-18.29	7/31/24	1224	-2.55	0.67 High	3.19 99	33.6 470	0.09 1.2	115 3233	24.0	7.37	31.27	17309	1.84	0.16	123.8
W10	-18.29	12/10/24	1559	-2.97	0.10 Ebb	3.19 99	37.9 531	0.24 3.4	119 3334	23.8	7.39	31.63	17508	2.98	0.15	137.1
W10	-18.29	1/10/25	1527	-2.95	0.20 Ebb	2.21 68	52.5 735	0.13 1.8	110 3087	24.0	7.29	31.97	17696	1.35	0.06	146.8
W10	-18.29	5/14/25	1324	-2.93	0.20 Flood	2.31 72	43.4 608	0.05 0.7	112 3150	23.1	7.39	30.77	17032	1.33	0.26	142.2
W10	-18.29	7/29/25	1500	-2.76	0.30 Flood	1.91 59	49.5 694	0.11 1.6	105 2956	25.2	7.17	32.36	17912	0.27	0.20	133.6
W10	-18.29	12/18/25	906	-2.86	0.16 Low	1.81 56	14.3 200	1.04 14.6	268 7534	25.6	7.01	31.99	17707	0.17	0.12	114.4
Mean				-2.30	0.26	2.77 86	31.05 435	4.26 59.7	148 4163	22.9	7.56	30.72	17012	1.68	0.32	139.7
Std. Dev.				0.29	0.19	0.85 26	14.23 199	20.37 285.3	31 863	1.3	0.31	0.77	424	1.30	0.51	16.6
Maximum				-1.71	0.79	5.44 168	67.94 952	175.92 2464.0	274 7700	25.6	8.22	33.32	18443	4.51	2.77	173.7
Minimum				-3.06	-0.07	0.72 22	1.19 17	-0.74 -10.4	85 2388	18.8	7.01	28.81	15947	0.02	0.02	114.4
n				84	84	84 84	84 84	84 84	84 84	84	84	84	83	84	84	9