NELHA Water Quality Laboratory

Well 10 Data Table

1/21/2009 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4 & NH_3 (µM)	NH_4 & NH_3 (µg N/L)	Si (µM)	Si (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 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4 & NH_3 (µM)	NH_4 & NH_3 (µg N/L)	Si (µM)	Si (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 - 6/30/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time (2400)	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4 & NH_3 (µM)	NH_4 & NH_3 (µg N/L)	Si (µM)	Si (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
Mean				-2.29	0.26		2.79	86	31.02	435	4.35	61.0	147	4137	22.8	7.57	30.68	16992	1.72	0.33	144.2
Std. Dev.				0.28	0.19		0.84	26	14.13	198	20.61	288.7	28	777	1.2	0.30	0.74	409	1.30	0.51	15.1
Maximum				-1.71	0.79		5.44	168	67.94	952	175.92	2464.0	274	7700	25.2	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	123.8
n				82	82		82	82	82	82	82	82	82	82	82	82	82	81	82	82	7