

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	6/23/89				4.64 144	41.6 583	0.64 9.0		20.7	7.607	23.348	12,924	6.50		
W5	-4.88	8/9/89	1051			4.71 146	41.8 585	0.52 7.3		17.2	7.504	24.491	13,556	5.82		
W5	-4.88	8/15/89	905			4.77 148	45.0 630	0.60 8.4		19.7	7.520	23.217	12,851	5.59		
W5	-4.88	8/22/89	855			4.80 149	45.2 633	0.60 8.4		19.5	7.575	24.175	13,381	5.03		
W5	-4.88	8/28/89	1008			4.87 151	46.0 644	0.43 6.0		19.8	7.537	24.121	13,352	5.37		
W5	-4.88	8/28/89	1008			4.88 151	45.8 642	0.34 4.8				24.121				
W5	-4.88	10/27/89	905			4.64 144	78.5 1100	0.03 0.4	353 9914	20.1	7.510	24.323	13,463	4.33		
W5	-4.88	11/15/89	655			4.57 142	82.5 1156	0.10 1.4	336 9437	20.1	7.431	25.380	14,048	5.00		
W5	-4.88	12/8/89	1020			4.50 139	79.6 1115	0.10 1.4	320 8987	19.8	7.394	26.086	14,439	5.57		
W5	-4.88	1/10/90	805			3.62 112	87.8 1230	0.00 0.0	285 8004	19.8	7.656	25.552	14,144	6.56		
W5	-4.88	2/13/90	930			4.80 149	100.6 1409	0.28 3.9	325 9128	19.5	7.572	24.690	13,667	7.07		
W5	-4.88	3/5/90	1042			4.62 143	117.0 1639	0.17 2.4	346	19.3	7.662	21.633	11,974	5.92		
W5	-4.88	4/2/90	946			4.98 154	111.0 1555	0.16 2.2	354 9942	18.9	7.671	24.539	13,583	5.37		
W5	-4.88	5/16/90	910			5.14 159	101.0 1415	0.00 0.0	318 8931	18.7	7.586	24.629	13,633	5.89		
W5	-4.88	6/17/90	1046			6.09 189	105.0 1471	0.00 0.0	313 8791	18.7	7.596	25.244	13,973	5.00		
W5	-4.88	7/12/90	953			6.80 211	120.8 1692	0.00 0.0	324 9100	18.9	7.568	25.438	14,081	5.23		
W5	-4.88	8/7/90	932			0.57 18	121.7 1705	0.19 2.7	336 9437	18.9	7.559	25.056	13,869	5.64		
W5	-4.88	9/5/90	952			8.99 278	134.2 1880	2.45 34.3		19.2	7.546	24.904	13,785	5.64		
W5	-4.88	10/4/90	1010			9.49 294	91.4 1280	0.03 0.4	345 9689	19.0	7.568	24.702	13,673	5.90		
W5	-4.88	10/31/90	925			7.21 223	105.2 1474	0.05 0.7	327 9184	19.3	7.536	25.155	13,924	5.84		
W5	-4.88	12/7/90	920			7.08 219	104.8 1467	0.16 2.2	356 9998	19.0	7.538	24.815	13,736	6.06		
W5	-4.88	1/9/91	700			6.54 203	102.4 1434	0.02 0.3	296 8313	18.6	7.555	25.996	14,389	6.00		
W5	-4.88	2/5/91	751			6.32 196	80.3 1125	0.55 7.7	282 7920	18.5	7.583	24.686	13,664	6.39		
W5	-4.88	3/6/91	809			5.32 165	90.6 1269	0.03 0.4	268 7527	16.2	7.480	25.901	14,337	6.25		
W5	-4.88	4/2/91	813			5.25 163	90.1 1262	0.35 4.9	278 7808	17.7	7.598	24.745	13,697	6.49		
W5	-4.88	5/21/91	835			5.60 173	52.0 728	0.07 1.0	117 3286	17.5	7.564	25.285	13,996	6.77		
W5	-4.88	6/25/91	821			4.39 136	76.8 1076	0.16 2.2	334 9381	17.8	7.620	24.744	13,696	7.30		
W5	-4.88	7/23/91	915			5.51 171	82.9 1161	0.28 3.9	326 9156	17.8	7.598	24.611	13,623	6.74		
W5	-4.88	8/22/91	828			5.21 161	69.5 973	0.15 2.1	350 9830	18.1	7.574	24.205	13,398	6.80		
W5	-4.88	9/23/91	835			5.53 171	79.2 1109	0.18 2.5	323 9072	18.5	7.548	24.486	13,554	6.42		
W5	-4.88	10/22/91	748			4.88 151	78.0 1093	0.00 0.0	427 11993	18.7	7.537	24.917	13,792	5.14		
W5	-4.88	11/19/91	955			5.33 165	86.4 1210	0.28 3.9	360 10111	18.7	7.546	25.443	14,083	5.75		
W5	-4.88	12/10/91	825			5.24 162	85.0 1191	0.45 6.3	314 8819	18.4	7.546	26.422	14,625	5.89		
W5	-4.88	1/28/92	812			5.26 163	71.3 999	0.05 0.7	266 7471	17.5	7.537	28.175	15,596	6.24		
W5	-4.88	2/18/92	735			4.96 154	74.4 1042	0.00 0.0	267 7499	17.8	7.509	26.646	14,749	6.12		

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	3/16/92	832			4.96 154	80.0 1121	0.85 11.9	289 8117	17.6	7.558	26.500	14,668	6.22		
W5	-4.88	4/7/92	800			4.83 150	74.9 1049	0.65 9.1	326 9156	17.5	7.586	25.994	14,388	6.57		
W5	-4.88	5/5/92	808			5.17 160	69.4 972	0.21 2.9	307 8622	17.6	7.573	25.692	14,221	6.84		
W5	-4.88	6/22/92	755			4.91 152	70.3 985	0.49 6.9	322 9044	18.0	7.580	25.559	14,148	7.10		
W5	-4.88	7/28/92	710			5.12 159	73.1 1024	1.32 18.5	289 8117	18.0	7.571	25.261	13,983	7.13		
W5	-4.88	8/25/92	734			5.07 157	63.3 887	0.21 2.9	341 9577	18.2	7.595	25.071	13,877	7.04		
W5	-4.88	9/21/92	752			4.74 147	67.3 943	0.15 2.1	297 8341	18.4	7.626	26.033	14,410	6.78		
W5	-4.88	10/26/92	759			4.62 143	71.4 1000	0.53 7.4	347 9746	19.0	7.524	25.603	14,172	6.55		
W5	-4.88	11/16/92	824			4.60 142	67.3 942	0.49 6.9	313 8791	18.7	7.632	26.714	14,787	6.48		
W5	-4.88	12/7/92	822			4.33 134	66.7 934	0.22 3.1	318 8931	18.8	7.630	26.052	14,420	6.56		
W5	-4.88	1/25/93	808			4.35 135	73.4 1028	0.66 9.2	317 8906	18.5	7.658	25.739	14,247	6.60		
W5	-4.88	2/22/93	749			4.45 138	72.5 1016	0.41 5.7	300 8417	17.6	7.687	26.748	14,806	6.48		
W5	-4.88	3/15/93	744			4.62 143	71.6 1003	0.21 2.9	307 8622	17.7	7.710	26.201	14,503	6.59		
W5	-4.88	4/26/93	754			4.62 143	66.7 934	0.23 3.2	320 8987	17.7	7.707	25.326	14,019	6.49		
W5	-4.88	5/24/93	810			4.61 143	68.8 963	0.32 4.5	338 9493	17.8	7.674	24.239	13,417	6.50		
W5	-4.88	6/21/93	809			4.62 143	62.9 881	0.22 3.1	618 17357	18.0	7.618	23.863	13,209	5.75		
W5	-4.88	8/30/93	912			5.12 159	75.3 1055	0.09 1.3	374 10504	18.5	7.679	22.469	12,437	5.97		
W5	-4.88	10/25/93	752			5.46 169	72.6 1017	0.22 3.1	353 9914	18.9	7.691	23.237	12,862	4.54		
W5	-4.88	2/7/94	952			6.12 190	58.6 821	0.38 5.3	341 9577	19.6	7.654	22.828	12,636	4.41		
W5	-4.88	6/20/94	742			5.23 162	59.1 828	0.03 0.4	336 9448	20.2	7.638	23.588	13,057	4.26		
W5	-4.88	8/22/94	847			6.19 192	54.9 769	0.18 2.5	333 9339	20.8	7.633	24.528	13,577	4.23		
W5	-4.88	10/24/94	808			4.78 148	65.5 918	0.09 1.3	332 9319	21.5	7.678	23.668	13,101	3.81		
W5	-4.88	1/23/95	850			5.11 158	61.7 865	0.12 1.7	299 8389	21.2	7.630	24.922	13,795	3.89		
W5	-4.88	2/13/95	847			5.24 162	71.2 997	0.29 4.1	317 8897	20.9	7.671	24.311	13,457	4.45		
W5	-4.88	3/13/95	925			5.25 163	85.8 1202	0.17 2.4	375 10529	21.0	7.725	24.285	13,442	3.76		
W5	-4.88	4/24/95	830			5.15 160	86.5 1211	0.18 2.5	309 8690	21.0	7.704	24.443	13,530	4.36		
W5	-4.88	5/8/95	828			5.15 160	95.7 1341	0.45 6.3	302 8479	21.3	7.724	23.328	12,913	3.95		
W5	-4.88	6/19/95	905			5.08 157	86.1 1206	0.30 4.2	311 8746	21.1	7.683	23.584	13,054	4.04		
W5	-4.88	7/24/95	833			5.02 155	83.3 1167	0.29 4.1	335 9417	21.4	7.695	22.147	12,259	4.29		
W5	-4.88	8/21/95	924			4.94 153	71.2 997	0.38 5.3	334 9375	21.6	7.692	23.008	12,736	4.29		
W5	-4.88	9/11/95	746			4.82 149	69.3 970	0.26 3.6	333 9347	21.8	7.743	22.784	12,612	5.16		
W5	-4.88	10/16/95	811			4.83 150	67.6 947	0.36 5.0	326 9161	22.1	7.751	23.322	12,909	4.40		
W5	-4.88	11/6/95	751			4.92 152	71.7 1005	0.22 3.1	325 9125	21.9	7.764	23.264	12,877	4.18		
W5	-4.88	12/4/95	815			4.94 153	72.1 1010	0.14 2.0	329 9251	21.9	7.756	23.240	12,864	4.36		
W5	-4.88	1/29/96	918			5.33 165	76.6 1073	0.07 1.0	323 9080	21.8	7.759	23.558	13,040	5.36		

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	2/26/96	900			5.08 157	92.0 1288	0.30 4.2	332 9337	22.0	7.752	23.631	13,080	4.95		
W5	-4.88	3/5/96	825			5.26 163	100.0 1401	0.22 3.1	308 8652	21.7	7.748	23.735	13,138	4.93		
W5	-4.88	4/1/96	846			5.31 164	115.8 1623	0.41 5.7	323 9068	22.2	7.790	22.863	12,655	4.44		
W5	-4.88	5/8/96	845			5.85 181	144.3 2021	0.13 1.8	321 9001	22.3	7.827	22.329	12,360	4.14		
W5	-4.88	6/17/96	823			5.88 182	126.7 1775	0.34 4.8	329 9226	22.8	7.831	23.473	12,993	4.53		
W5	-4.88	7/16/96	832			6.18 191	253.5 3551	1370 19189	298 8366	23.4	8.251	23.525	13,022	3.82		
W5	-4.88	8/5/96	927			6.34 196	255.1 3573	86 1205	302 8487	22.9	7.735	23.653	13,093	2.10		
W5	-4.88	9/3/96	916			5.94 184	143.8 2014	0.57 8.0	342 9607	23.1	7.728	23.744	13,143	2.21		
W5	-4.88	10/8/96	907			5.85 181	112.3 1572	0.20 2.8	330 9270	22.7	7.725	24.750	13,700	4.20		
W5	-4.88	11/4/96	908			5.94 184	100.4 1406	0.27 3.8	293 8235	23.2	7.716	25.061	13,872	4.46		
W5	-4.88	12/16/96	851			5.95 184	102.4 1434	0.32 4.5	305 8565	22.8	7.831	25.008	13,843	4.78		
W5	-4.88	1/13/97	922			6.02 186	145 2031	0.05 0.7	280 7853	23.2	7.768	24.472	13,546	4.78		
W5	-4.88	2/10/97	829			6.40 198	216 3030	0.20 2.8	266 7462	22.7	7.838	25.241	13,972	3.81		
W5	-4.88	3/10/97	847			8.32 258	467 6537	0.03 0.4	285 8004	23.4	8.016	23.878	13,217	2.70		
W5	-4.88	4/22/97	927			8.02 248	644 9018	0.23 3.2	273 7679	23.8	8.128	23.214	12,850	1.17		
W5	-4.88	5/27/97	853			8.33 258	433 6062	0.14 2.0	270 7580	22.7	8.060	24.551	13,590	2.74		
W5	-4.88	6/16/97	900			8.99 278	290 4055	0.29 4.1	296 8310	22.8	8.067	24.231	13,412	3.14		
W5	-4.88	7/14/97	912			9.00 279	236 3303	0.34 4.8	266 7471	23.3	8.021	24.222	13,408	3.21		
W5	-4.88	8/25/97	857			8.56 265	195 2726	0.24 3.4	267 7504	23.7	8.033	25.335	14,024	2.44		
W5	-4.88	9/22/97	822			7.78 241	148 2073	0.12 1.7	276 7745	23.9	8.010	24.735	13,691	1.84		
W5	-4.88	10/14/97	859			7.54 234	143 2009	0.30 4.2	303 8507	24.1	7.984	23.579	13,052	2.03		
W5	-4.88	11/3/97	831			7.02 217	144.8 2028	0.16 2.2	279 7841	24.0	7.976	25.150	13,921	2.39		
W5	-4.88	12/15/97	923			7.70 238	115.6 1619	0.09 1.3	284 7976	23.8	7.951	25.064	13,874	2.37		
W5	-4.88	1/5/98	1018			7.25 225	111.1 1557	0.05 0.7	256 7181	23.7	7.919	26.327	14,573	1.57		
W5	-4.88	2/2/98	916			7.01 217	100.2 1403	0.06 0.8	244 6856	22.6	7.902	27.027	14,960	2.04		
W5	-4.88	3/9/98	926			8.49 263	98.6 1381	0.12 1.7	263 7378	22.6	7.752	25.366	14,041	2.33		
W5	-4.88	4/13/98	835			8.33 258	91 1280	0.13 1.8	259 7260	22.1	7.763	26.507	14,672	3.05		
W5	-4.88	5/11/98	901			8.02 248	111 1556	0.27 3.8	262 7350	22.3	7.784	26.054	14,422	4.05		
W5	-4.88	6/1/98	858			7.86 243	107.6 1506	0.11 1.5	254 7145	22.2	7.762	25.931	14,353	4.50		
W5	-4.88	7/13/98	908			7.47 231	96 1342	0.05 0.7	269 7552	22.2	7.721	25.874	14,322	4.00		
W5	-4.88	8/10/98	930			7.26 225	107.0 1499	0.17 2.4	270 7583	22.5	7.705	26.539	14,690	4.27		
W5	-4.88	9/14/98	914			7.01 217	97.1 1360	0.12 1.7	250 7024	22.2	7.706	27.710	15,338	4.23		
W5	-4.88	10/12/98	831			7.00 217	115.8 1622	0.03 0.4	249 6996	22.4	7.690	27.672	15,317	4.43		
W5	-4.88	11/2/98	852			6.88 213	100.5 1408	0.04 0.6	259 7285	22.3	7.719	26.795	14,832	3.93		
W5	-4.88	12/15/98	850			6.53 202	84.1 1178	0.09 1.3	266 7465	22.8	7.696	26.545	14,693	3.51		

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1999 - 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)
W5	-4.88	1/11/99	908			6.08 188	91 1272	0.18 2.5	252 7080	22.9	7.646	27.593	15,273	2.57		
W5	-4.88	2/2/99	901			6.59 204	105 1474	0.25 3.5	261 7342	23.1	7.664	26.634	14,743	3.54		
W5	-4.88	3/1/99	903			6.58 204	102.6 1437	0.05 0.7	265 7451	23.1	7.665	26.208	14,507	3.24		
W5	-4.88	4/5/99	905			5.95 184	83.4 1168	0.06 0.8	254 7145	23.0	7.664	27.353	15,141	3.49		
W5	-4.88	5/3/99	903			6.04 187	111 1558	0.15 2.1	262 7367	23.1	7.670	27.089	14,994	4.05		
W5	-4.88	6/1/99	857			5.66 175	240 3362	140 1961	251 7049	22.9	7.572	27.727	15,348	0.49		
W5	-4.88	7/14/99	902			5.64 175	156 2185	0.02 0.3	269 7561	23.3	7.615	26.400	14,613	2.10		
W5	-4.88	8/23/99	925			6.02 186	99.3 1391	0.11 1.5	272 7639	23.7	7.711	25.906	14,340	3.31		
W5	-4.88	9/7/99	914			6.01 186	95.7 1340	0.07 1.0	256 7193	23.2	7.673	26.489	14,662	3.42		
W5	-4.88	10/5/99	908			5.16 160	187 2618	21.0 293.9	266 7457	23.5	7.577	26.459	14,646	0.77		
W5	-4.88	11/1/99	928			5.48 170	110 1542	0.08 1.1	254 7131	23.2	7.667	26.605	14,727	3.64		
W5	-4.88	12/14/99	919			5.68 176	94.6 1325	0.08 1.1	245 6873	23.7	7.575	27.936	15,463	1.83		
W5	-4.88	1/10/00	948			5.51 171	88.8 1244	0.22 3.1	250 7027	23.7	7.609	27.338	15,132	2.55		
W5	-4.88	2/7/00	946			5.59 173	165 2311	147 2059.0	246 6917	23.6	7.601	26.125	14,461	0.64		
W5	-4.88	3/21/00	948			5.61 174	94.0 1317	0.09 1.3	261 7333	23.1	7.638	25.816	14,290	2.51		
W5	-4.88	4/10/00	1012			5.70 177	86.6 1213	0.07 1.0	256 7179	23.0	7.644	25.977	14,379	2.00		
W5	-4.88	5/15/00	925			5.67 176	80.6 1129	0.21 2.9	279 7839	23.8	7.653	25.289	13,998	2.23		
W5	-4.88	6/5/00	926			5.36 166	69.6 975	0.04 0.6	278 7802	23.3	7.621	25.585	14,162	2.02		
W5	-4.88	7/26/00	955			5.47 169	76.4 1070	0.12 1.7	290 8148	23.9	7.622	25.187	13,942	2.12		
W5	-4.88	8/29/00	853			5.43 168	85.2 1193	0.11 1.5	301 8457	24.3	7.616	24.412	13,513	3.06		
W5	-4.88	9/5/00	924			5.60 173	86.0 1205	0.08 1.1	282 7923	24.0	7.621	25.765	14,262	1.96		
W5	-4.88	10/24/00	928			5.52 171	91.2 1277	0.19 2.7	318 8940	24.2	7.589	24.808	13,732	2.06		
W5	-4.88	11/13/00	903			4.87 151	163 2279	0.27 3.8	328 9223	24.3	7.595	22.769	12,603	2.45		
W5	-4.88	12/18/00	912			5.39 167	120 1678	0.16 2.2	285 8007	24.2	7.551	25.776	14,268	1.16		
W5	-4.88	1/22/01	906			4.94 153	93.4 1308	0.04 0.6	254 7134	24.1	7.544	27.913	15,451	1.14		
W5	-4.88	2/5/01	931			4.90 152	90.6 1269	0.10 1.4	260 7288	24.0	7.556	27.332	15,129	0.99		
W5	-4.88	3/5/01	923			4.82 149	91.2 1277	0.02 0.3	254 7120	24.0	7.523	26.889	14,884	1.28		
W5	-4.88	4/17/01	915			5.04 156	103 1440	0.07 1.0	260 7308	23.7	7.546	25.642	14,194	2.19		
W5	-4.88	5/15/01	846			5.18 160	101 1413	0.14 2.0	285 8010	24.0	7.601	24.688	13,665	2.68		
W5	-4.88	6/12/01	859			5.24 162	96.6 1352	0.02 0.3	285 8002	23.4	7.594	24.878	13,771	2.55		
W5	-4.88	7/23/01	904			4.97 154	90.0 1261	0.03 0.4	278 7816	23.5	7.566	25.725	14,239	2.54		
W5	-4.88	8/8/01	858			5.01 155	86.6 1213	0.03 0.4	303 8496	23.2	7.600	25.136	13,913	2.31		
W5	-4.88	9/19/01	911			5.34 165	96.7 1354	0.05 0.7	320 8996	23.9	7.583	25.306	14,008	2.16		
W5	-4.88	10/24/01	844			5.06 157	93.2 1305	0.06 0.8	288 8089	24.4	7.608	25.717	14,235	2.18		
W5	-4.88	11/7/01	901			5.32 165	100 1403	0.03 0.4	270 7580	23.9	7.576	26.307	14,562	2.46		

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	12/19/01	920			5.16 160	112 1574	0.16 2.2	267 7496	24.1	7.577	26.103	14,449	2.33		
W5	-4.88	1/9/02	914			5.21 161	104 1458	0.20 2.8	248 6965	22.9	7.600	27.819	15,399	1.75		
W5	-4.88	2/19/02	1030			5.40 167	102 1427	0.05 0.7	264 7401	23.5	7.649	25.159	13,926	2.14		
W5	-4.88	3/20/02	928			5.32 165	99.7 1397	0.18 2.5	275 7712	22.9	7.765	25.654	14,200	2.43		
W5	-4.88	4/8/02	1018			5.38 167	102 1424	0.07 1.0	252 7066	23.1	7.638	26.302	14,559	2.65		
W5	-4.88	5/29/02	1006			6.34 196	109 1532	0.11 1.5	276 7757	23.4	7.774	24.305	13,453	2.85		
W5	-4.88	6/17/02	939			6.90 214	91.9 1288	0.01 0.1	259 7269	23.0	7.790	25.298	14,003	2.07		
W5	-4.88	7/15/02	935			7.06 219	87.2 1222	0.09 1.3	275 7735	24.1	7.716	24.938	13,804	2.67		
W5	-4.88	8/20/02	934			6.68 207	70.1 982	0.28 3.9	301 8454	24.3	7.740	24.551	13,590	2.83		
W5	-4.88	9/23/02	951			6.26 194	68.4 959	0.21 2.9	287 8055	24.5	7.747	25.346	14,030	2.37		
W5	-4.88	10/14/02	914			5.86 182	88.5 1240	0.01 0.1	296 8308	24.8	7.728	24.265	13,431	5.46		
W5	-4.88	11/4/02	924			5.62 174	99.1 1388	0.03 0.4	282 7920	25.0	7.733	24.688	13,665	2.28		
W5	-4.88	12/17/02	945			5.89 182	75.9 1063	0.10 1.4	228 6415	24.3	7.867	28.210	15,615	3.33		
W5	-4.88	1/21/03	1015			5.10 158	83.7 1172	0.05 0.7	194 5449	24.1	7.733	30.049	16,633	3.39		
W5	-4.88	2/12/03	940			6.02 186	91.5 1282	0.03 0.4	207 5808	23.9	7.737	28.922	16,009	1.90		
W5	-4.88	3/19/03	943			6.99 217	127 1775	0.06 0.8	227 6370	23.6	7.731	27.047	14,971	2.54		
W5	-4.88	4/28/03	925			6.71 208	126 1761	0.04 0.6	245 6884	23.7	7.786	26.153	14,476	3.69		
W5	-4.88	5/12/03	903			6.71 208	111 1559	0.05 0.7	248 6962	23.7	7.808	26.489	14,662	3.87		
W5	-4.88	6/3/03	918			6.71 208	105 1471	0.43 6.0	249 6982	23.7	7.812	25.955	14,367	3.97		
W5	-4.88	7/29/03	935			7.46 231	80.4 1126	0.55 7.7	256 7198	24.6	7.768	25.494	14,112	3.83		
W5	-4.88	8/26/03	937			9.00 279	91.2 1277	0.21 2.9	261 7336	25.2	7.861	24.938	13,804	3.26		
W5	-4.88	9/15/03	921			8.83 273	87.2 1221	0.07 1.0	243 6830	24.4	7.782	26.019	14,402	2.70		
W5	-4.88	10/6/03	903			8.48 263	81.0 1134	0.46 6.4	252 7083	23.9	7.768	25.964	14,372	NA		
W5	-4.88	10/28/03	947			7.90 245	80.0 1121	0.10 1.4	250 7021	24.2	7.762	26.220	14,513			
W5	-4.88	11/14/03	1301							25.2				3.66		
W5	-4.88	12/15/03	909			7.78 241	94.6 1324	0.46 6.4	231 6482	23.9	7.737	27.229	15,072	2.86		
W5	-4.88	1/26/04	914			7.02 217	116 1628	0.10 1.4	208 5845	23.0	7.733	27.723	15,345	3.00		
W5	-4.88	2/5/04	913			7.44 230	127 1780	0.22 3.1	229 6418	23.6	7.764	26.524	14,682	3.65		
W5	-4.88	3/2/04	918			7.18 222	148 2072	0.41 5.7	223 6274	23.2	7.803	25.035	13,858	4.07		
W5	-4.88	4/20/04	912			8.22 255	146 2046	0.18 2.5	228 6403	22.7	7.771	25.061	13,872	2.85		
W5	-4.88	5/11/04	828			8.80 273	138 1939	0.32 4.5	240 6741	23.6	7.767	23.99	13,279	2.87		
W5	-4.88	6/2/04	847			8.70 269	133 1860	0.23 3.2	253 7092	24.1	7.735	22.88	12,665	2.44		
W5	-4.88	7/14/04	919			8.60 266	127 1782	0.23 3.2	268 7513	23.7	7.720	23.72	13,130	2.75		
W5	-4.88	8/23/04	911			8.50 263	125 1745	0.27 3.8	259 7280	24.3	7.666	24.31	13,456	1.87		
W5	-4.88	9/2/04	922			8.42 261	114 1590	0.15 2.1	267 7490	24.3	7.715	24.08	13,329	2.36		

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	10/4/04	850			8.68 269	111 1551	0.17 2.4	264 7415	25.1	7.660	24.53	13,578	2.14		
W5	-4.88	11/23/04	845			8.62 267	92.9 1301	0.09 1.3	277 7788	24.3	7.664	24.05	13,312	1.69		
W5	-4.88	12/8/04	845			8.56 265	94.6 1325	0.08 1.1	278 7799	24.2	7.644	24.03	13,301	1.38		
W5	-4.88	1/18/05	858			7.94 246	84.1 1178	0.09 1.3	237 6656	23.7	7.616	27.212	15,063	0.89		
W5	-4.88	2/10/05	845			8.18 253	102 1424	0.25 3.5	243 6814	23.6	7.689	26.065	14,428	1.20		
W5	-4.88	3/22/05	852			10.1 312	124 1730	0.18 2.5	239 6707	23.5	7.783	26.164	14,482	0.92		
W5	-4.88	4/20/05	843			9.36 290	94.5 1324	0.15 2.1	230 6454	23.4	7.863	25.702	14,227	2.06		
W5	-4.88	5/25/05	905			8.44 261	86.8 1216	0.15 2.1	244 6847	21.9	7.866	24.832	13,745	3.44		
W5	-4.88	6/14/05	903			7.56 234	74.4 1042	1.57 22.0	234 6578	23.6	7.842	25.733	14,244	3.73		
W5	-4.88	7/19/05	858			6.86 212	83.8 1174	0.12 1.7	239 6698	24.3	7.844	24.148	13,367	3.71		
W5	-4.88	8/3/05	928			6.90 214	85.2 1193	0.10 1.4	240 6732	24.6	7.870	24.811	13,734	3.81		
W5	-4.88	9/22/05	851			6.28 195	64.1 897	0.12 1.7	216 6052	25.8	7.823	28.080	15,543	3.31		
W5	-4.88	10/19/05	905			6.40 198	76.9 1077	0.14 2.0	213 5991	26.2	7.738	28.205	15,612	2.79		
W5	-4.88	11/8/05	850			6.70 208	75.1 1052	0.07 1.0	213 5974	25.9	7.658	28.261	15,643	1.78		
W5	-4.88	12/22/05	824			5.58 173	72.1 1010	0.33 4.6	168 4704	25.2	7.575	30.395	16,824	1.45		
W5	-4.88	1/31/06	849			5.68 176	70.0 980	0.19 2.7	179 5036	24.6	7.603	29.854	16,525	2.10		
W5	-4.88	2/16/06	844			5.66 175	67.4 944	0.22 3.1	171 4797	24.7	7.577	30.050	16,633	1.93		
W5	-4.88	3/22/06	835			5.52 171	72.3 1013	0.27 3.8	185 5196	23.9	7.615	29.625	16,398	3.14		
W5	-4.88	4/27/06	915			5.47 169	74.3 1041	0.08 1.1	184 5168	24.1	7.649	28.803	15,943	4.00		
W5	-4.88	5/24/06	937			5.11 158	67.8 950	0.06 0.8	181 5083	24.3	7.613	29.200	16,163	3.13		
W5	-4.88	6/28/06	922			5.27 163	61.9 867	0.18 2.5	189 5308	24.2	7.664	29.044	16,077	2.21		
W5	-4.88	7/19/06	900			5.17 160	61.4 860	0.25 3.5	188 5280	24.5	7.603	29.373	16,259	3.15		
W5	-4.88	8/9/06	922			5.20 161	56.8 796	0.12 1.7	197 5533	24.6	7.64	28.993	16,048	2.33		
W5	-4.88	9/20/06	933			5.16 160	59.9 839	0.33 4.6	190 5336	25.4	7.66	29.446	16,299	1.21		
W5	-4.88	10/25/06	928			5.43 168	51.2 717	0.34 4.8	184 5168	25.4	7.593	29.720	16,451	1.24		
W5	-4.88	11/29/06	925			5.43 168	53.3 747	0.23 3.2	173 4859	25.5	7.546	30.574	16,924	0.64		
W5	-4.88	12/13/06	929			5.30 164	56.7 794	0.24 3.4	168 4718	25.5	7.548	30.708	16,998	1.00		
W5	-4.88	1/10/07	915			5.21 161	61.0 854	0.32 4.5	151 4241	25.1	7.653	31.159	17,247	1.29		
W5	-4.88	2/21/07	955			4.87 151	72.1 1010	0.43 6.0	150 4213	24.3	7.555	30.244	16,741	2.58		
W5	-4.88	3/7/07	946			4.87 151	75.8 1062	0.34 4.8	156 4381	24.3	7.628	30.155	16,692	2.24		
W5	-4.88	4/19/07	925			5.12 159	77.0 1079	0.19 2.7	168 4718	24.3	7.632	29.543	16,353	2.63		
W5	-4.88	5/2/07	932			5.19 161	75.4 1056	0.28 3.9	174 4887	23.4	7.585	29.395	16,271	2.79		
W5	-4.88	6/20/07	936			5.20 161	76.9 1077	0.18 2.5	182 5112	24.2	7.651	28.923	16,010	3.28		
W5	-4.88	7/23/07	1102	-2.74	0.52 Flood	3.52 109	41.8 585	0.04 0.5	148 4156	22.6	7.52	31.68	17,536	2.60		
W5	-4.88	8/27/07	1340	-3.22	0.52 Flood	5.62 174	76.4 1071	0.07 1.0	152 4268	24.8	7.55	29.51	16,335	3.35		

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	9/18/07	1536	-3.30	0.24 Ebb	5.44 169	75.3 1055	0.50 7.0	176 4951	25.0	7.50	29.34	16,240	2.33		
W5	-4.88	10/23/07	1352	-3.12	0.52 High	5.82 180	80.1 1121	0.02 0.3	173 4866	24.4	7.47	27.85	15,416	0.72		
W5	-4.88	11/20/07	1432	-3.35	0.38 Ebb	6.16 191	85.0 1191	0.23 3.2	214 6002	23.5	7.58	26.81	14,840	0.84		
W5	-4.88	12/19/07	1238	-3.35	0.30 High	4.24 131	70.1 981	0.75 11	206 5775	23.0	7.42	24.22	13,406	1.27		
W5	-4.88	1/25/08	958	-3.12	0.24 Ebb	4.98 154	57.5 806	0.28 3.9	146 4111	22.7	7.15	26.58	14,713	1.38		
W5	-4.88	2/26/08	1145	-3.58	0.03 Ebb	7.43 230	104.3 1461	0.74 10.4	210 5894	22.4	7.37	26.60	14,724	1.17		
W5	-4.88	3/17/08	1315	-3.35	0.21 Flood	7.53 233	97.3 1363	0.06 0.8	160 4500	22.5	7.45	26.51	14,674	1.41		
W5	-4.88	4/29/08	916	-3.53	0.09 Flood	7.17 222	90.2 1263	0.09 1.2	215 6042	21.6	7.31	26.35	14,585	1.35		
W5	-4.88	5/28/08	916	-3.40	0.18 Flood	6.55 203	97.6 1367	0.29 4.1	246 6921	22.2	7.40	25.44	14,082	2.10		
W5	-4.88	6/17/08	1024	-3.66	0.00 Flood	7.22 224	102.8 1440	0.81 11.4	228 6396	22.1	7.31	24.80	13,727	n/a	2.32	
W5	-4.88	7/22/08	918	-3.25	0.30 Ebb	6.17 191	86.5 1212	0.92 12.9	238 6682	22.1	7.35	25.42	14,071	1.35		
W5	-4.88	7/31/08	9.11	-3.81	-0.09 Low	6.35 197	81.1 1136	0.81 11.4	232 6507	24.8	7.34	24.89	13,777	3.13		
W5	-4.88	9/16/08	1012	-3.49	0.12 Ebb	7.01 217	98.9 1385	0.67 9.4	244 6854	23.0	7.26	25.16	13,927	1.85		
W5	-4.88	10/31/08	951	-3.37	0.30 Ebb	6.66 206	90.2 1264	0.39 5.4	244 6864	25.1	7.30	26.32	14,569	1.26		
W5	-4.88	11/14/08	1114	-3.54	0.12 Ebb	6.89 213	101.7 1425	0.16 2.3	219 6158	24.1	7.68	26.60	14,724	1.37	1.02	
W5	-4.88	12/16/08	937	-3.56	0.61 Ebb	6.58 204	117.3 1643	0.01 0.2	230 6458	23.8	7.51	27.11	15,006	1.49		
W5	-4.88	1/23/09	1411	-3.49	0.15 High	7.52 233	135.7 1901	0.94 13.1	186 5213	23.9	7.51	28.70	15,886	1.60	1.89	
W5	-4.88	2/24/09	1526	-3.32	0.30 Flood	7.26 225	90.0 1261	0.54 7.5	219 6144	23.7	7.42	27.84	15,410	2.60	4.80	
W5	-4.88	3/16/09	1520	-3.58	0.03 Low	6.36 197	167.3 2344	0.17 2.4	181 5078	23.7	7.43	27.65	15,305	3.03	2.30	
W5	-4.88	4/30/09	1450	-3.64	0.06 Flood	9.75 302	139.4 1952	0.68 9.5	130 3647	24.1	7.93	26.83	14,851	3.44		
W5	-4.88	5/29/09	924	-3.43	0.21 High	9.00 279	127.1 1780	0.10 1.4	229 6425	22.1	8.26	27.26	15,089	3.69	0.47	
W5	-4.88	6/18/09	1342	-3.05	0.61 High	8.41 261	120.5 1688	0.57 8.0	188 5279	22.3	7.53	27.64	15,299	4.23	0.78	
W5	-4.88	7/31/09	1048	-3.12	0.52 Flood	9.30 288	121.1 1696	0.23 3.2	142 3984	22.2	7.17	28.10	15,554	3.59	0.95	
W5	-4.88	8/19/09	1040	-3.47	0.09 Flood	5.42 168	84.2 1180	0.71 9.9	123 3460	22.6	7.56	27.94	15,466	3.56	0.26	
W5	-4.88	9/24/09	907	-3.15	0.61 High	6.77 210	107.1 1500	0.57 8	148 4168	22.4	8.40	27.34	15,133	2.79	0.26	
W5	-4.88	10/23/09	1330	-3.54	0.21 Ebb	6.35 197	94.2 1319	0.64 9	104 2921	22.8	7.51	26.92	14,901	2.84	0.29	
W5	-4.88	11/17/09	1002	-3.63	0.21 Ebb	6.42 199	88.8 1244	0.85 12	203 5699	22.7	7.45	27.19	15,050	2.56	0.14	
W5	-4.88	12/8/09	1004	-3.19	0.52 Ebb	6.07 188	91.4 1280	1.00 14	230 6462	22.6	7.48	27.94	15,466	1.49	0.15	
W5	-4.88	1/6/10	948	-3.27	0.40 Ebb	5.97 185	92.1 1290	1.93 27	197 5539	22.9	7.57	28.35	15,692	1.92	14.20	
W5	-4.88	2/2/10	915	-3.22	0.24 Ebb	6.23 193	116.7 1634	0.79 11	179 5033	22.4	7.59	28.83	15,958	2.09	0.53	
W5	-4.88	3/10/10	853	-3.69	0.09 Low	7.17 222	116.7 1634	0.29 4	217 6086	22.1	7.53	28.00	15,499	2.81	0.24	
W5	-4.88	4/6/10	1457	-3.55	0.09 Ebb	6.94 215	107.4 1504	0.64 9	220 6169	21.7	7.56	27.42	15,178	3.08	3.55	
W5	-4.88	5/12/10	834	-3.71	-0.06 Low	6.65 206	99.3 1391	1.07 15	196 5501	21.6	7.82	26.97	14,929	3.25	0.48	
W5	-4.88	6/16/10	1052	-3.58	0.09 Ebb	7.30 226	115.7 1621	0.36 5	242 6807	21.8	7.58	26.83	14,851	3.97	0.39	
W5	-4.88	7/14/10	857	-3.40	0.18 Ebb	5.81 180	115.5 1618	0.29 4	235 6607	21.6	7.55	27.05	14,973	4.18	0.08	

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
W5	-4.88	8/3/10	1714	-3.30	0.12 Ebb	6.36 197	109.1 1528	0.29 4	231 6492	21.7	7.65	27.24	15,078	3.28	0.86	
W5	-4.88	9/13/10	1447	-3.39	0.24 Ebb	6.78 210	108.6 1521	0.19 2.6	251 7051	22.0	7.52	26.99	14,940	3.83	0.24	
W5	-4.88	10/11/10	1010	-3.06	0.46 Ebb	6.62 205	106.9 1497	0.03 0.4	245 6878	22.0	7.63	27.34	15,133	3.93	0.41	
W5	-4.88	11/15/10	1122	-3.14	0.43 High	6.91 214	101.0 1415	0.11 1.5	239 6711	22.2	7.53	28.13	15,571	2.67	0.18	
W5	-4.88	12/13/10	917	-3.02	0.40 High	6.94 215	103.7 1453	0.09 1.3	240 6736	21.9	7.51	28.32	15,676	2.59	0.39	
W5	-4.88	1/3/11	1520	-3.43	0.21 High	7.04 218	120.1 1682	0.28 3.9	234 6567	22.0	7.56	28.07	15,537	2.91	0.12	
W5	-4.88	4/4/11	1413	-3.25	0.30 Flood	6.68 207	133.3 1867	0.09 1.2	194 5446	21.8	7.68	27.72	15,344	3.61	0.16	
W5	-4.88	7/11/11	1255	-3.12	0.67 Flood	6.65 206	135.3 1895	0.11 1.5	213 5974	22.8	7.59	27.63	15,294	5.12	3.22	
W5	-4.88	10/10/11	1211	-3.36	0.24 Flood	6.68 207	119.2 1670	0.24 3.4	217 6106	22.2	7.63	27.72	15,344	4.54	0.47	
W5	-4.88	1/9/12	1234	-3.63	0.03 Low	7.17 222	109.6 1535	0.16 2.3	213 5981	22.0	7.66	27.31	15,117	3.11	0.15	
W5	-4.88	4/30/12	1349	-3.26	0.30 High	7.46 231	116.1 1626	0.06 0.8	216 6067	21.5	7.54	27.79	15,382	3.58	0.06	
W5	-4.88	7/17/12	1557	-2.91	0.73 High	7.39 229	110.7 1550	0.21 3	213 5980	21.8	7.57	28.31	15,670	4.68	0.55	
W5	-4.88	10/15/12	1229	-3.48	0.12 Flood	6.55 203	107.4 1505	0.28 3.9	221 6197	21.4	7.58	28.20	15,609	3.90	0.11	
W5	-4.88	1/7/13	1315	-3.34	0.24 Ebb	5.91 183	139.6 1956	0.52 7.3	250 7014	21.1	7.56	28.55	15,803	3.88	0.16	
W5	-4.88	4/9/13	1125	-3.56	0.09 Flood	6.49 201	155.4 2177	0.30 4.2	202 5679	20.6	7.66	27.72	15,344	4.86	0.41	
W5	-4.88	7/16/13	1504	-3.31	0.37 Ebb	7.07 219	159.1 2228	0.24 3.4	238 6673	21.3	7.58	26.51	14,674	4.67	0.35	
W5	-4.88	10/14/13	1515	-3.21	0.43 Ebb	6.10 189	138.4 1938	0.26 3.6	232 6516	23.0	7.69	26.96	14,923	5.53	2.52	
W5	-4.88	1/14/14	1407	-3.40	0.21 Flood	6.39 198	160.4 2247	0.31 4.4	215 6026	22.5	7.77	27.55	15,250	3.89	0.08	
W5	-4.88	4/28/14	1625	-3.03	0.55 High	7.20 223	187.9 2632	0.33 4.6	202 5676	22.2	7.82	25.75	14,253	3.22	0.28	
W5	-4.88	7/28/14	1415	-3.24	0.38 Flood	7.17 222	179.8 2518	0.93 13	203 5703	22.6	7.77	26.7	14,779	4.56	0.26	
W5	-4.88	11/3/14	1050	-3.20	0.38 Flood	7.10 220	140.5 1968	0.15 2.1	200 5613	23.2	7.62	26.49	14,663	3.65	0.59	
W5	-4.88	2/9/15	1616	-3.38	0.10 Low	8.31 257	152.7 2139	0.61 8.5	225 6321	22.6	7.68	27.64	15,299	3.15	0.38	
W5	-4.88	5/19/15	1608	-2.97	0.61 Flood	6.10 189	139.1 1948	0.36 5.0	185 5185	22.5	7.76	27.08	14,989	3.72	0.02	
W5	-4.88	7/22/15	1058	-3.40	0.24 Ebb	6.93 215	131.5 1842	0.01 0.2	201 5639	23.2	7.73	26.92	14,901	4.60	0.38	
W5	-4.88	11/13/15	1035	-3.34	0.15 Low	8.47 262	204.7 2867	0.26 3.7	216 6057	24.3	7.74	26.98	14,934	3.37	0.26	
W5	-4.88	1/26/16	1615	-3.38	0.33 Flood	5.96 185	132.4 1854	0.06 0.9	174 4884	24.1	7.61	28.94	16,019	2.25	0.41	
W5	-4.88	4/21/16	1536	-3.02	0.50 Ebb	5.93 184	95.9 1343	0.36 5.1	170 4768	23.5	7.56	28.13	15,571	3.14	0.08	
W5	-4.88	7/26/16	1534	-3.39	0.40 Ebb	5.90 183	121.5 1702	0.12 1.7	186 5216	24.5	7.85	26.56	14,702	4.10	0.42	
W5	-4.88	11/15/16	1013	-3.45	0.10 Low	5.54 172	101.3 1419	1.51 21.2	171 4811	24.7	7.62	28.16	15,587	4.51	0.10	
W5	-4.88	3/22/17	1359	-3.24	0.20 Ebb	5.90 183	133.5 1870	0.29 4.1	179 5018	24.1	7.85	29.14	16,130	2.34	0.13	
W5	-4.88	4/19/17	1336	-3.33	0.12 Ebb	6.19 192	131.1 1837	0.31 4.4	184 5162	24.3	7.75	27.84	15,410	2.41	0.05	
W5	-4.88	8/9/17	1542	-2.99	0.50 Flood	6.11 189	94.9 1329	0.02 0.3	194 5449	24.4	7.74	28.14	15,576	3.26	0.10	
W5	-4.88	10/19/17	1405	-3.15	0.50 Flood	6.05 188	114.9 1610	0.40 5.6	196 5492	24.9	7.7	27.54	15,244	3.48	0.16	
W5	-4.88	1/18/18	1339	-3.51	0.20 Flood	5.32 165	93.9 1315	0.21 2.9	175 4913	24.3	7.54	29.27	16,202	2.50	0.12	
W5	-4.88	5/11/18	1014	-3.45	0.15 Flood	7.39 229	109.0 1527	0.09 1.2	176 4948	23.7	7.89	27.4	15,167	2.15	0.21	

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1980 - 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)
W5	-4.88	9/4/18	1317	-2.88	0.67 Flood	9.36 290	93.3 1307	0.34 4.7	162 4548	25.2	7.88	26.85	14,862	2.48	0.17	
W5	-4.88	10/25/18	1456	-3.19	0.49 High	7.93 246	84.9 1189	0.33 4.6	175 4925	23.7	7.77	27.16	15,034	2.23	0.11	
W5	-4.88	2/8/19	1322	-3.68	0.06 Low	7.64 237	107.0 1499	0.02 0.3	179 5020	23.1	7.50	28.5	15,775	2.10	0.10	
W5	-4.88	5/16/19	922	-3.64	-0.07 Low	7.74 240	90.5 1268	0.09 1.3	189 5320	23.2	7.66	27.47	15,205	4.18	0.09	
W5	-4.88	8/28/19	1128	-3.25	0.35 Flood	5.90 183	89.5 1254	0.27 3.8	179 5034	23.7	7.71	27.73	15,349	2.82	0.13	
W5	-4.88	10/11/19	1453	-2.97	0.57 High	6.03 187	86.7 1214	0.36 5	176 4951	24.3	7.72	27.56	15,255	3.85	0.13	
W5	-4.88	2/5/20	1502	-3.43	0.20 Ebb	6.27 194	103.5 1450	-0.25 -3.5	189 5303	23.4	7.44	29.26	16,196	1.82	0.06	
W5	-4.88	6/3/20	1404	-2.76	0.60 Flood	4.49 139	83.9 1176	0.30 4.2	193 5417	23.5	7.61	27.88	15,432	2.92	0.15	
W5	-4.88	8/19/20	1324	-3.15	0.40 Flood	4.21 130	95.8 1341	0.29 4	221 6197	23.5	7.66	26.95	14,918	3.72	0.24	
W5	-4.88	12/9/20	1606	-3.35	0.10 Ebb	5.54 172	85.7 1200	0.24 3.3	196 5492	23.3	7.43	28.91	16,002	2.74	0.28	
W5	-4.88	2/18/21	1335	-3.49	0.05 Low	5.66 175	97.5 1366	0.13 1.8	181 5083	22.8	7.42	29.00	16,052	3.05	0.10	
W5	-4.88	4/15/21	1032	-3.60	-0.03 Low	6.29 195	127.7 1789	0.16 2.3	214 6008	23.0	7.31	26.01	14,397	2.44	0.13	
W5	-4.88	7/7/21	1329	-3.09	0.50 Flood	6.91 214	110.9 1554	0.04 0.6	202 5681	23.5	7.23	26.86	14,868	2.34	0.20	
W5	-4.88	11/8/21	1334	-3.50	0.18 Low	6.90 214	85.8 1202	0.14 2	214 5998	23.4	7.29	26.06	14,425	2.31	0.09	
W5	-4.88	2/8/22	1207	-3.41	0.15 Ebb	7.97 247	134.1 1879	0.11 1.6	240 6750	22.4	7.35	26.57	14,707	2.39	0.23	
W5	-4.88	4/21/22	1032	-3.64	0.02 Low	6.88 213	114.3 1601	0.00 -0.04	241 6760	22.3	7.35	25.47	14,098	4.10	0.12	
W5	-4.88	7/13/22	1301	-3.33	0.40 Flood	6.73 208	102.7 1438	-0.33 -4.6	224 6292	22.3	7.35	27.12	15,012	4.97	0.18	
W5	-4.88	11/22/22	1200	-3.41	0.35 Flood	7.03 218	115.1 1613	-0.01 -0.2	222 6225	23.0	7.45	26.59	14,718	3.76	0.77	
W5	-4.88	1/26/23	1052	-3.36	0.20 Ebb	6.82 211	120.3 1685	0.19 2.6	197 5527	22.2	7.48	27.28	15,100	3.81	0.13	
W5	-4.88	4/26/23	1347	-3.55	0.08 Flood	7.66 237	119.4 1672	0.06 0.9	204 5741	21.8	7.41	25.24	13,971	4.36	0.11	
W5	-4.88	8/15/23	1325	-3.15	0.50 Flood	7.21 223	119.0 1667	0.54 7.5	211 5926	22.3	7.41	25.76	14,259	4.82	0.66	
W5	-4.88	11/16/23	1115	-3.28	0.20 Low	6.56 203	113.5 1590	0.13 1.8	201 5640	22.6	7.50	25.89	14,331	5.25	0.13	157.5
W5	-4.88	1/23/24	1536	-3.31	0.60 Ebb	5.35 166	87.1 1220	0.14 2	173 4851	22.2	7.44	28.58	15,820	2.55	0.38	156.3
W5	-4.88	5/7/24	1341	-3.05	0.45 Flood	6.41 198	110.2 1543	0.00 0	191 5366	22.7	7.47	26.06	14,425	3.92	0.34	207.6
W5	-4.88	7/31/24	1447	-2.83	0.67 High	7.30 226	128.0 1792	0.28 3.9	223 6271	23.0	7.58	26.40	14,613	4.89	0.82	142.4
W5	-4.88	12/11/24	1121	-3.22	0.40 High	6.68 207	141.4 1980	0.26 3.6	189 5302	22.4	7.60	26.50	14,668	5.05	0.65	211.3
W5	-4.88	1/10/25	1337	-3.32	0.15 Ebb	5.86 182	109.6 1536	0.16 2.3	171 4814	22.0	7.56	28.63	15,847	4.24	0.49	190.2
W5	-4.88	5/13/25	1559	-2.89	0.62 High	6.26 194	116.9 1638	0.10 1.4	184 5160	22.8	7.60	26.89	14,884	4.42	0.27	152.3
W5	-4.88	7/30/25	1156	-3.13	0.20 Low	6.62 205	122.7 1718	0.11 1.6	197 5536	23.2	7.57	26.52	14,680	5.38	0.40	212.1
W5	-4.88	12/18/25	1036	-3.40	0.20 Low	6.61 205	124.7 1746	0.00 0	456 12815	23.4	7.57	27.63	15,294	3.88	0.50	170.7

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1990 - 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)
Mean				-3.32	0.29	6.23 193	105.36 1476	5.96 83.5	251 7053	22.4	7.64	26.23	14,523	3.53	0.68	177.8
Std. Dev.				0.22	0.20	1.30 40	54.06 757	78.85 1104.5	62 1725	2.1	0.16	1.84	1,021	1.58	1.69	27.8
Maximum				-2.74	0.73	10.08 312	644 9018	1370 19189	618 17357	26.2	8.40	31.68	17,536	7.30	14.20	212.1
Minimum				-3.81	-0.09	0.57 18	42 583	-0.33 -4.6	104 2921	16.2	7.15	21.63	11,974	0.49	0.02	142.4
n				102	102	309 309	309 309	309 309	302 301	309	308	309	308	306	85	9