

NELHA Water Quality Laboratory

Well 7B Data Table

5/20/1992 - 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)
W7B	-6.1	5/20/92	801			2.91 90	53.3 747	0.31 4.3	461 12947	19.5	7.591	21.101	11,680	5.30		
W7B	-6.1	6/24/92	806			2.99 93	50.3 705	0.47 6.6	446 12526	19.6	7.662	21.911	12,128	5.14		
W7B	-6.1	7/30/92	730			2.81 87	49.3 690	0.81 11.3	455 12779	20.5	7.543	21.081	11,669	5.15		
W7B	-6.1	8/26/92	933			3.10 96	58.5 820	0.04 0.6	502 14099	21.1	7.519	19.776	10,947	5.00		
W7B	-6.1	9/23/92	754			2.98 92	52.1 729	0.17 2.4	474 13313	21.8	7.638	21.440	11,868	4.89		
W7B	-6.1	10/28/92	827			3.21 99	51.4 719	0.14 2.0	399 11206	21.0	7.592	24.433		5.17		
W7B	-6.1	11/18/92	819			3.16 98	53.4 748	0.16 2.2	404 11347	20.1	7.730	23.377	12,940	5.64		
W7B	-6.1	12/9/92	812			3.15 98	56.5 792	0.09 1.3	442 12414	20.6	7.550	22.467	12,436	5.44		
W7B	-6.1	1/27/93	748			2.79 86	46.7 655	0.16 2.2	302 8485	20.9	7.812	26.470	14,652	5.45		
W7B	-6.1	2/24/93	736			2.89 90	50.4 706	0.32 4.5	355 9976	20.8	7.804	25.057	13,870	4.88		
W7B	-6.1	3/17/93	744			2.80 87	52.0 728	0.32 4.5	441 12372	20.2	7.775	21.213	11,742	5.09		
W7B	-6.1	4/28/93	734			2.94 91	50.1 702	0.23 3.2	434 12175	19.9	7.736	21.386	11,838	4.93		
W7B	-6.1	5/26/93	739			2.80 87	49.5 693	0.37 5.2	493 13832	20.2	7.720	21.039	11,646	4.95		
W7B	-6.1	6/29/93	752			2.66 82	54.6 765	0.12 1.7	475 13349	20.5	7.616	19.668	10,887	4.88		
W7B	-6.1	9/1/93	752			2.77 86	53.8 754	0.15 2.1	562 15778	21.6	7.490	16.516	9,142	5.48		
W7B	-6.1	10/27/93	744			2.88 89	82.3 1152	0.02 0.3	514 14436	21.8	7.561	16.879	9,343	4.90		
W7B	-6.1	3/1/94	1005			3.20 99	74.6 1045	0.36 5.0	404 11347	21.4	7.815	19.054	10,547	4.28		
W7B	-6.1	6/22/94	722			2.90 90	54.1 757	0.16 2.2	558 15667	21.9	7.625	17.769	9,836	4.97		
W7B	-6.1	8/24/94	746			2.81 87	47.1 660	0.08 1.1	389 10914	22.3	7.731	21.547	11,927	3.13		
W7B	-6.1	11/28/94	938			2.87 89	53.7 752	0.43 6.0	387 10878	22.9	7.740	20.071	11,110	3.72		
W7B	-6.1	1/25/95	817			2.94 91	52.5 735	0.00 0.0	339 9524	22.2	7.835	23.232	12,860	2.93		
W7B	-6.1	2/15/94	835			3.07 95	61.9 868	0.00 0.0	374 10507	22.4	7.845	21.411	11,852	3.65		
W7B	-6.1	3/29/95	815			2.88 89	61.8 866	0.25 3.5	432 12130	21.9	7.857	18.604	10,298	4.91		
W7B	-6.1	4/26/95	808			2.95 91	82.5 1156	0.11 1.5	461 12956	22.1	7.825	16.284	9,014	5.04		
W7B	-6.1	5/9/95	952			2.96 92	68.9 965	0.20 2.8	392 11007	22.1	7.887	19.885	11,007	4.06		
W7B	-6.1	6/28/95	807			3.12 97	71.2 997	0.44 6.2	462 12961	22.4	7.793	16.661	9,222	5.46		
W7B	-6.1	7/26/95	947			3.04 94	70.1 981	0.13 1.8	479 13447	22.8	7.785	15.944	8,825	4.97		
W7B	-6.1	8/23/95	900			3.02 94	58.0 812	0.47 6.6	421 11835	22.8	7.741	18.942	10,485	4.28		
W7B	-6.1	9/12/95	854			3.07 95	56.9 797	0.12 1.7	435 12206	23.3	7.768	18.648	10,322	3.95		
W7B	-6.1	10/17/95	1036			2.94 91	49.1 688	0.17 2.4	375 10531	23.1	7.812	21.261	11,769	3.45		
W7B	-6.1	11/7/95	1021			3.04 94	59.3 831	0.41 5.7	434 12181	20.1	7.811	18.369	10,168	4.54		
W7B	-6.1	12/6/95	1005			2.89 90	54.6 765	0.35 4.9	423 11891	22.9	7.779	19.435	10,758	4.01		
W7B	-6.1	1/30/96	1048			2.88 89	63.4 888	0.07 1.0	395 11097	22.8	7.916	19.571	10,833	4.23		
W7B	-6.1	2/27/96	1207			3.06 95	84.2 1180	0.16 2.2	360 10114	20.8	7.868	20.286	11,229	3.98		
W7B	-6.1	3/13/96	1122			3.33 103	83.1 1164	0.37 5.2	344 9653	22.6	7.861	20.738	11,479	3.74		

NELHA Water Quality Laboratory

Well 7B Data Table

5/29/1992 - 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)
W7B	-6.1	4/2/96	1006			3.78 117	101.7 1424	0.19 2.7	415 11649	22.5	7.804	18.642	10,319	4.44		
W7B	-6.1	5/15/96	1136			4.32 134	105.0 1470	0.05 0.7	393 11036	23.0	7.756	20.735	11,477	3.05		
W7B	-6.1	6/18/96	1123			3.64 113	75.9 1063	0.12 1.7	433 12149	23.0	7.756	19.186	10,620	6.36		
W7B	-6.1	7/17/96	1130			4.23 131	108.9 1525	27 373	446 12531	23.1	7.676	18.528	10,256	3.22		
W7B	-6.1	8/6/96	1146			3.84 119	97.9 1371	0.46 6.4	366 10280	23.1	7.753	22.145	12,258	1.89		
W7B	-6.1	9/4/96	1133			3.84 119	75.7 1061	0.38 5.3	400 11226	23.8	7.739	21.550	11,928	2.69		
W7B	-6.1	10/9/96	1227			3.70 115	57.5 806	0.31 4.3	345 9679	23.7	7.782	24.590	13,611	2.81		
W7B	-6.1	11/6/96	1131			3.48 108	57.1 800	0.27 3.8	348 9763	23.8	7.751	23.119	12,797	3.32		
W7B	-6.1	12/17/96	1147			3.19 99	63.4 888	0.18 2.5	255 7163	24.2	7.821	25.843	14,305	2.24		
W7B	-6.1	1/14/97	1144			3.18 98	93.9 1315	0.08 1.1	278 7813	23.3	7.862	24.544	13,586	3.09		
W7B	-6.1	2/11/97	1008			2.96 92	98.4 1378	0.10 1.4	214 6010	22.7	7.902	27.342	15,135	3.47		
W7B	-6.1	3/11/97	855			3.92 121	134.2 1880	0.17 2.4	381 10696	22.4	7.837	20.612	11,409	3.64		
W7B	-6.1	4/23/97	1132			3.75 116	130.3 1825	0.26 3.6	385 10802	22.9	7.832	21.704	12,014	2.85		
W7B	-6.1	5/28/97	1029			3.24 100	108.8 1524	0.06 0.8	357 10015	22.0	7.848	22.582	12,500	3.19		
W7B	-6.1	6/17/97	1110			3.67 114	88.3 1237	0.22 3.1	344 9661	21.9	7.829	21.979	12,166	4.70		
W7B	-6.1	7/15/97	1105			4.18 129	96.5 1352	0.14 2.0	341 9577	22.2	7.838	26.629	14,740	2.17		
W7B	-6.1	8/26/97	1137			4.80 149	100.6 1409	0.23 3.2	316 8881	23.7	7.883	24.584	13,608	0.41		
W7B	-6.1	9/23/97	945			4.89 151	80.8 1132	0.40 5.6	337 9470	23.9	7.884	23.139	12,808	1.10		
W7B	-6.1	10/14/97	1040			4.68 145	66.2 927	0.17 2.4	356 9996	23.8	7.877	22.428	12,414	1.87		
W7B	-6.1	11/4/97	909			4.42 137	71.5 1001	0.19 2.7	333 9338	23.9	7.877	23.683	13,109	1.65		
W7B	-6.1	12/16/97	1110			4.34 134	74.3 1041	0.10 1.4	380 10667	23.4	7.893	21.688	12,005	3.65		
W7B	-6.1	1/5/98	932			4.55 141	73.5 1029	0.02 0.3	277 7793	22.7	7.890	25.829	14,297	1.62		
W7B	-6.1	2/3/98	901			4.09 127	67.9 950	0.01 0.1	237 6651	23.2	7.959	27.470	15,205	2.45		
W7B	-6.1	3/10/98	929			4.53 140	66.6 932	0.23 3.2	339 9515	22.9	7.752	23.127	12,801	3.76		
W7B	-6.1	4/14/98	1055			4.39 136	79.3 1111	0.05 0.7	326 9145	22.9	7.760	23.986	13,277	4.39		
W7B	-6.1	5/12/98	932			4.15 129	76.6 1073	0.05 0.7	364 10223	22.8	7.752	22.171	12,272	4.48		
W7B	-6.1	6/2/98	933			3.96 123	80.7 1131	0.08 1.1	346 9730	22.9	7.823	22.707	12,569	4.20		
W7B	-6.1	7/14/98	925			4.06 126	94.3 1321	0.12 1.7	316 8867	23.2	7.720	24.842	13,751	2.95		
W7B	-6.1	8/11/98	947			3.98 123	84.7 1186	0.18 2.5	339 9521	23.2	7.663	24.589	13,611	2.70		
W7B	-6.1	9/15/98	940			3.91 121	79.8 1118	0.06 0.8	318 8928	23.4	7.670	25.357	14,036	1.80		
W7B	-6.1	10/13/98	839			4.07 126	82.0 1149	0.04 0.6	310 8712	23.6	7.709	25.822	14,293	1.29		
W7B	-6.1	11/4/98	932			4.31 133	89.9 1259	0.09 1.3	386 10835	23.8	7.713	22.578	12,498	2.05		
W7B	-6.1	12/16/98	922			4.70 146	82.7 1158	0.12 1.7	383 10768	24.0	7.772	21.999	12,177	3.12		
W7B	-6.1	1/12/99	953			4.20 130	76.4 1070	0.07 1.0	302 8493	23.8	7.771	25.346	14,030	2.83		
W7B	-6.1	2/3/99	945			4.02 125	76.7 1074	0.16 2.2	346 9715	23.7	7.744	23.220	12,853	3.84		

NELHA Water Quality Laboratory

Well 7B Data Table

5/29/1992 - 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)
W7B	-6.1	3/2/99	942			4.03 125	78.9 1105	0.02 0.3	351 9850	23.8	7.752	22.694	12,562	4.51		
W7B	-6.1	4/6/99	929			4.10 127	74.9 1049	0.09 1.3	322 9046	23.6	7.726	24.888	13,776	2.72		
W7B	-6.1	5/4/99	938			3.85 119	78.0 1093	0.04 0.6	350 9841	23.4	7.739	22.700	12,565	3.43		
W7B	-6.1	6/2/99	928			3.64 113	70.0 980	0.12 1.7	370 10392	23.0	7.722	23.686	13,111	3.35		
W7B	-6.1	7/7/99	1006			4.02 125	71.8 1006	0.14 2.0	321 9004	22.9	7.754	24.188	13,389	2.38		
W7B	-6.1	8/25/99	930			4.19 130	75.6 1059	0.11 1.5	341 9588	23.3	7.798	23.105	12,789	3.17		
W7B	-6.1	9/8/99	941			4.15 129	75.3 1054	0.02 0.3	341 9580	23.3	7.801	23.637	13,084	3.27		
W7B	-6.1	10/6/99	947			4.00 124	67.8 950	0.04 0.6	315 8844	23.7	7.775	24.448	13,533	2.99		
W7B	-6.1	11/3/99	1002			3.62 112	67.8 950	0.15 2.1	315 8850	23.7	7.801	24.448	13,533	3.13		
W7B	-6.1	12/15/99	1021			3.83 119	69.8 978	0.03 0.4	271 7611	23.6	7.737	27.126	15,015	2.86		
W7B	-6.1	1/11/00	957			3.93 122	80.9 1133	0.15 2.1	293 8232	23.5	7.748	24.900	13,783	3.35		
W7B	-6.1	2/14/00	956			4.14 128	81.5 1142	0.03 0.4	280 7850	23.1	7.792	25.188	13,942	2.09		
W7B	-6.1	3/22/00	1013			3.93 122	81.4 1140	0.08 1.1	375 10524	23.3	7.808	21.397	11,844	3.76		
W7B	-6.1	4/12/00			well plugged - unable to collect											
W7B	-6.1	5/17/00	947			3.84 119	76.7 1074	0.04 0.6	396 11113	23.3	7.739	21.054	11,654	3.72		
W7B	-6.1	6/6/00	1011			3.85 119	77.7 1088	0.02 0.3	407 11428	23.5	7.707	22.363	12,379	3.33		
W7B	-6.1	7/31/00	949			3.78 117	78.5 1100	0.23 3.2	417 11703	23.7	7.687	19.512	10,800	4.33		
W7B	-6.1	8/30/00	950			3.65 113	76.6 1073	0.05 0.7	430 12077	24.1	7.564	19.730	10,921	3.69		
W7B	-6.1	9/6/00	932			4.08 126	78.1 1094	0.08 1.1	316 8861	24.0	7.646	24.804	13,730	1.79		
W7B	-6.1	10/25/00	1119			4.18 129	83.8 1174	0.15 2.1	340 9560	24.3	7.641	24.654	13,647	2.17		
W7B	-6.1	11/14/00	954			3.92 121	100 1400	0.21 2.9	382 10734	24.4	7.622	21.812	12,074	2.97		
W7B	-6.1	12/19/00	930			4.36 135	122 1709	0.09 1.3	313 8796	24.4	7.660	25.164	13,929	1.92		
W7B	-6.1	1/24/01	917			3.94 122	86.6 1212	0.11 1.5	327 9176	24.2	7.674	24.632	13,634	2.75		
W7B	-6.1	2/7/01	957			3.82 118	79.7 1116	0.08 1.1	357 10032	24.1	7.719	22.900	12,676	2.81		
W7B	-6.1	3/12/01	923			3.91 121	77.2 1081	0.01 0.1	293 8229	23.7	7.647	25.534	14,134	2.47		
W7B	-6.1	4/18/01	911			4.14 128	79.5 1114	0.05 0.7	387 10875	23.4	7.631	21.183	11,725	3.74		
W7B	-6.1	5/14/01	1038			5.00 155	78.7 1102	0.13 1.8	296 8313	23.3	7.632	22.278	12,331	3.41		
W7B	-6.1	6/13/01	937			4.60 142	76.2 1068	0.06 0.8	351 9864	23.2	7.639	23.367	12,934	3.06		
W7B	-6.1	7/24/01	948			4.10 127	75.1 1052	0.07 1.0	346 9704	23.3	7.629	23.688	13,112	3.49		
W7B	-6.1	8/22/01	948			4.12 128	86.0 1205	0.04 0.6	368 10333	23.5	7.581	21.975	12,164	3.35		
W7B	-6.1	9/17/01	1030			4.12 128	81.1 1136	0.05 0.7	384 10788	23.9	7.622	21.911	12,128	3.51		
W7B	-6.1	10/22/01	1018			4.08 126	71.2 998	0.08 1.1	306 8586	24.3	7.641	21.602	11,957	2.04		
W7B	-6.1	11/5/01	1050			3.86 120	73.5 1029	0.06 0.8	363 10181	24.3	7.614	23.039	12,753	3.27		
W7B	-6.1	12/12/01	1034			3.76 116	82.3 1153	0.15 2.1	377 10577	24.1	7.668	21.540	11,923	3.64		
W7B	-6.1	1/7/02	1033			3.20 99	63.2 886	0.21 2.9	245 6889	23.9	7.756	27.481	15,211	4.00		

NELHA Water Quality Laboratory

Well 7B Data Table

5/29/1992 - 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)
W7B	-6.1	2/25/02	953			4.24 131	86.8 1216	0.05 0.7	325 9131	23.6	7.707	24.101	13,341	3.02		
W7B	-6.1	3/18/02	1018			4.28 133	101 1419	0.25 3.5	375 10532	23.1	7.727	21.569	11,939	3.30		
W7B	-6.1	4/10/02	1024			4.96 154	115 1609	0.02 0.3	83.6 2348	23.3	7.769	23.840	13,196	1.43		
W7B	-6.1	5/22/02	1032			6.12 190	104 1456	0.16 2.2	312 8765	23.3	7.853	23.995	13,282	0.96		
W7B	-6.1	6/19/02	1117			6.58 204	75.4 1057	0.10 1.4	299 8384	23.4	7.848	24.648	13,643	0.71		
W7B	-6.1	7/22/02	1100			6.52 202	64.5 903	0.06 0.8	338 9501	23.9	7.813	23.058	12,763	1.44		
W7B	-6.1	8/21/02	1122			5.53 171	65.5 918	0.16 2.2	386 10847	23.0	7.710	21.886	12,114	2.34		
W7B	-6.1	9/25/02	1047			4.94 153	73.5 1029	0.22 3.1	434 12189	24.4	7.638	20.161	11,160	3.10		
W7B	-6.1	10/15/02	1045			5.95 184	75.5 1058	0.45 6.3	358 10063	24.3	7.730	23.621	13,075	1.40		
W7B	-6.1	11/17/02	1013			6.51 202	87.2 1221	0.05 0.7	391 10973	24.6	7.647	22.130	12,250	1.47		
W7B	-6.1	12/18/02	1037			6.23 193	81.0 1134	0.06 0.8	312 8765	24.6	7.752	24.753	13,701	1.23		
W7B	-6.1	1/23/03	1034			4.10 127	61.2 857	<0.02 0.0	193 5421	24.6	7.834	30.322	16,784	2.04		
W7B	-6.1	2/11/03	1052			6.76 209	104 1459	0.21 2.9	281 7878	24.2	7.790	25.636	14,190	1.25		
W7B	-6.1	3/20/03	1131			7.24 224	172 2406	0.02 0.3	350 9830	23.7	7.821	22.310	12,349	2.82		
W7B	-6.1	4/30/03	1008			6.81 211	136 1899	0.26 3.6	389 10931	23.5	7.827	20.387	11,285	3.14		
W7B	-6.1	5/14/03	913			6.69 207	112 1567	0.31 4.3	318 8931	23.5	7.810	20.551	11,376	3.06		
W7B	-6.1	6/4/03	956			7.60 235	85.5 1198	0.36 5.0	330 9265	23.7	7.805	23.216	12,851	1.54		
W7B	-6.1	7/30/03	941			10.14 314	97.3 1363	5.72 80.1	405 11361	23.7	7.817	19.712	10,911	2.09		
W7B	-6.1	8/28/03	933			9.54 295	85.3 1195	4.72 66.1	365 10260	24.2	7.817	21.395	11,843	1.44		
W7B	-6.1	9/16/03	941			9.84 305	58.2 815	3.33 46.6	313 8802	24.5	7.864	24.320	13,462	1.13		
W7B	-6.1	10/8/03	928			9.22 286	65.5 917	0.67 9.4	310 8695	24.2	7.858	24.221	13,407	NA		
W7B	-6.1	11/5/03	941			8.42 261	66.6 933	0.82 11.5	308 8645	24.2	7.842	24.384	13,497			
W7B	-6.1	11/14/03	1527							24.3				0.69		
W7B	-6.1	12/17/03	1122			7.60 235	82.8 1160	<0.10 0.0	261 7330	24.9	7.779	26.065	14,428	0.28		
W7B	-6.1	1/28/04	1015			6.64 206	92.2 1291	0.73 10.2	231 6496	24.4	7.773	26.919	14,900	0.56		
W7B	-6.1	2/11/04	928			7.34 227	135 1891	0.27 3.8	261 7339	24.2	7.751	25.512	14,122	0.43		
W7B	-6.1	3/16/04	1035			7.30 226	125 1751	0.17 2.4	251 7052	27.9	7.813	25.968	14,374			
W7B	-6.1	3/30/04	931							25.1				0.71		
W7B	-6.1	4/22/04	1001			7.60 235	150 2095	0.35 4.9	282 7920	24.0	7.824	24.765	13,708	0.59		
W7B	-6.1	5/18/04	956			7.40 229	128 1794	0.19 2.7	318 8917	24.3	7.801	22.87	12,659	1.12		
W7B	-6.1	6/8/04	1033			7.20 223	105 1474	0.14 2.0	288 8083	24.2	7.745	24.47	13,545	0.91		
W7B	-6.1	7/15/04	946			7.60 235	97.4 1364	0.15 2.1	309 8687	24.2	7.738	23.11	12,792	0.99		
W7B	-6.1	8/25/04	1022			7.26 225	90.1 1263	0.16 2.2	287 8046	24.5	7.702	24.75	13,700	0.88		
W7B	-6.1	9/27/04	1134			7.38 229	89.2 1249	0.24 3.4	320 8982	24.9	7.681	24.18	13,384	0.91		
W7B	-6.1	10/4/04	1053			7.46 231	83.8 1173	0.19 2.7	285 8004	24.6	7.691	24.98	13,827	0.70		

NELHA Water Quality Laboratory

Well 7B Data Table

5/20/1992 - 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)
W7B	-6.1	11/23/04	927			7.38 229	78.5 1099	0.13 1.8	290 8136	24.1	7.692	25.09	13,888	0.73		
W7B	-6.1	12/8/04	927			7.26 225	78.9 1105	0.13 1.8	298 8378	25.4	7.700	24.93	13,799	0.70		
W7B	-6.1	1/18/05	950			5.42 168	60.4 846	0.06 0.8	199 5595	24.7	7.769	29.005	16,055	2.99		
W7B	-6.1	2/10/05	920			6.56 203	96.5 1351	0.28 3.9	240 6735	24.6	7.768	26.655	14,754	0.74		
W7B	-6.1	3/22/05	945			8.98 278	105 1464	0.12 1.7	249 6999	24.9	7.924	26.100	14,447	0.49		
W7B	-6.1	4/20/05	930			8.70 269	89.4 1252	0.09 1.3	256 7201	25.0	7.962	25.595	14,167	0.79		
W7B	-6.1	5/25/05	954			8.28 256	92.7 1299	0.24 3.4	291 8176	24.3	7.943	23.600	13,063	2.24		
W7B	-6.1	6/14/05	952			8.12 252	81.2 1137	0.16 2.2	266 7465	25.7	7.929	25.198	13,948	1.59		
W7B	-6.1	7/19/05	941			7.58 235	90.8 1272	0.15 2.1	291 8176	24.9	7.936	23.665	13,099	1.84		
W7B	-6.1	8/3/05	1013			7.58 235	87.0 1218	0.13 1.8	294 8260	25.2	7.978	23.995	13,282	2.05		
W7B	-6.1	9/22/05	935			7.08 219	67.2 941	0.17 2.4	256 7193	26.2	7.935	26.326	14,572	2.05		
W7B	-6.1	10/19/05	948			6.44 199	77.1 1080	0.14 2.0	265 7445	26.4	7.938	26.019	14,402	2.39		
W7B	-6.1	11/8/05	932			6.10 189	74.5 1043	0.08 1.1	236 6614	26.0	7.944	26.897	14,888	1.78		
W7B	-6.1	12/22/05	906			4.88 151	55.6 778	0.32 4.5	183 5126	25.8	7.782	30.232	16,734	2.13		
W7B	-6.1	1/31/06	931			5.44 168	67.5 945	0.29 4.1	224 6288	25.1	7.732	28.208	15,614	0.99		
W7B	-6.1	2/16/06	931			5.16 160	70.7 990	0.24 3.4	211 5932	24.8	7.731	28.837	15,962	1.18		
W7B	-6.1	3/22/06	927			5.24 162	79.1 1108	0.29 4.1	239 6712	24.0	7.697	27.211	15,062	0.82		
W7B	-6.1	4/27/06	1004			5.32 165	79.9 1119	0.16 2.2	263 7386	24.1	7.712	26.195	14,500	1.49		
W7B	-6.1	5/24/06	1024			5.22 162	74.1 1038	<0.05 0.0	261 7330	24.1	7.696	26.330	14,574	1.13		
W7B	-6.1	6/28/06	1007			5.02 155	68.6 961	0.30 4.2	258 7246	24.5	7.693	26.699	14,779	1.70		
W7B	-6.1	7/19/06	934			4.69 145	62.8 880	0.27 3.8	228 6403	25.1	7.684	27.543	15,246	1.56		
W7B	-6.1	8/9/06	1032			4.91 152	65.8 922	0.18 2.5	268 7527	24.8	7.682	26.584	14,715	1.75		
W7B	-6.1	9/20/06	1102			4.87 151	61.6 863	0.18 2.5	257 7218	24.6	7.696	27.123	15,013	1.20		
W7B	-6.1	10/25/06	1012			4.77 148	57.3 803	0.33 4.6	242 6797	25.6	7.658	27.770	15,371	1.31		
W7B	-6.1	11/29/06	1042			4.55 141	57.3 803	0.24 3.4	233 6544	24.6	7.625	28.169	15,592	0.93		
W7B	-6.1	12/13/06	1032			4.74 147	56.3 789	0.25 3.5	236 6628	25.0	7.642	28.235	15,629	0.84		
W7B	-6.1	1/10/07	1048			4.74 147	55.4 776	0.23 3.2	228 6403	24.4	7.642	28.472	15,760	1.14		
W7B	-6.1	2/21/07	1100			3.87 120	50.9 713	0.46 6.4	211 5926	24.4	7.671	27.963	15,478	1.87		
W7B	-6.1	3/7/07	1054			4.40 136	55.6 779	0.33 4.6	229 6432	25.8	7.761	27.817	15,397	1.91		
W7B	-6.1	4/19/07	1047			4.57 142	68.0 952	0.25 3.5	257 7218	25.6	7.705	26.363	14,593	2.02		
W7B	-6.1	5/2/07	1050			4.59 142	62.4 874	0.26 3.6	262 7358	24.0	7.693	26.395	14,610	1.79		
W7B	-6.1	6/20/07	1050			4.46 138	54.3 761	0.28 3.9	249 6993	24.7	7.687	27.289	15,105	1.47		
W7B	-6.1	7/25/07	1234		1.80 Flood	4.59 142	55.8 782	0.10 1.4	255 7166	24.8	7.51	27.45	15,194	2.04		
W7B	-6.1	8/27/07	1152		0.80 Flood	5.66 175	64.7 906	0.21 2.9	275 7728	25.0	7.57	27.20	15,056	1.53		
W7B	-6.1	9/13/07	1608		1.30 Flood	4.61 143	54.7 766	0.29 4.0	266 7480	24.8	7.55	27.12	15,012	1.30		

NELHA Water Quality Laboratory

Well 7B Data Table

5/29/1992 - 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)
W7B	-6.1	10/23/07	1103		1.25 Flood	2.44 75	69.6 975	0.19 2.6	112 3146	24.5	7.54	26.22	14,513	1.56		
W7B	-6.1	11/20/07	1141		1.40 Flood	4.84 150	58.0 812	0.00 0.1	265 7443	25.2	7.57	26.49	14,663	1.68		
W7B	-6.1	12/19/07	1132		1.00 High	4.62 143	59.9 839	0.78 10.9	252 7079	24.1	7.56	25.56	14,148	1.89		
W7B	-6.1	1/25/08	826		1.40 Ebb	4.28 133	40.9 573	0.14 1.9	228 6400	23.4	7.50	26.74	14,801	1.21		
W7B	-6.1	2/26/08	1017		0.30 Ebb	5.48 170	74.6 1045	0.84 11.8	273 7665	23.2	7.53	25.39	14,054	1.61		
W7B	-6.1	3/17/08	1224		0.60 Flood	4.95 153	61.6 864	0.39 5.4	291 8169	23.3	7.64	24.77	13,711	3.32		
W7B	-6.1	4/30/08	1143		0.90 Flood	4.98 154	81.3 1139	0.09 1.2	240 6741	23.9	7.47	26.16	14,480	1.78		
W7B	-6.1	5/27/08	1129		0.80 High	4.58 142	79.0 1106	0.09 1.2	290 8140	22.7	7.59	25.44	14,082	1.90		
W7B	-6.1	6/16/08	1157		1.00 Flood	4.73 146	77.1 1080	0.11 1.5	264 7404	23.4	7.66	25.85	14,309	2.15		
W7B	-6.1	7/21/08	1126		0.30 Low	4.61 143	78.3 1097	0.20 2.8	311 8722	24.4	7.60	23.23	12,858	4.51	0.12	
W7B	-6.1	8/30/08	1424		1.90 Flood	3.90 121	66.2 927	0.24 3.3	221 6209	22.7	7.58	25.84	14,303	1.43	0.32	
W7B	-6.1	9/15/08	1145		0.40 Flood	5.61 174	85.7 1200	0.10 1.4	282 7929	26.3	7.58	24.99	13,833	2.27		
W7B	-6.1	10/30/08	1057		0.50 Low	5.73 177	100.9 1413	0.24 3.4	280 7877	23.9	7.37	25.82	14,292	1.22	0.09	
W7B	-6.1	11/25/08	1030		0.50 Low	5.32 165	108.0 1512	0.19 2.7	294 8244	23.3	7.65	25.23	13,965	1.73	0.15	
W7B	-6.1	12/16/08	1023		1.30 Ebb	6.42 199	110.5 1547	0.11 1.5	225 6315	23.6	7.65	27.60	15,277	1.58		
W7B	-6.1	1/26/09	1401		0.50 Flood	5.07 157	111.1 1556	0.76 10.7	231 6499	24.1	7.73	27.97	15,482	2.39	0.22	
W7B	-6.1	2/26/09	1040		0.10 Low	5.19 161	113.7 1592	0.89 12.4	262 7359	23.8	7.55	27.09	14,995	2.51	0.27	
W7B	-6.1	3/23/09	1004		0.20 Flood	4.83 150	92.7 1299	0.13 1.8	267 7486	23.3	7.44	26.09	14,441	1.88	0.54	
W7B	-6.1	4/27/09	1010		-0.20 Ebb	6.50 201	95.3 1335	0.42 5.9	242 6811	24.0	7.62	25.59	14,165	1.89	0.16	
W7B	-6.1	5/27/09	1352		0.50 Flood	5.32 165	87.3 1222	0.22 3.1	368 10344	24.0	7.72	26.18	14,491	3.35	0.14	
W7B	-6.1	6/19/09	1014		0.90 Flood	3.73 116	61.3 859	0.31 4.3	211 5912	24.8	7.71	25.92	14,347	1.88	0.10	
W7B	-6.1	7/31/09	950		1.50 Flood	4.66 144	80.2 1124	0.40 5.6	180 5047	23.9	7.62	27.46	15,200	2.28	0.21	
W7B	-6.1	8/20/09	1103		0.30 Flood	4.60 143	79.2 1110	0.78 10.9	245 6880	26.4	7.62	26.62	14,735	1.31	0.37	
W7B	-6.1	9/24/09	1003		1.70 Ebb	4.94 153	80.8 1132	0.51 7.2	232 6503	24.9	8.27	25.97	14,375	1.79	0.12	
W7B	-6.1	10/30/09	1117		0.70 Flood	4.55 141	59.6 835	0.42 5.9	104 2916	26.2	7.55	25.41	14,065	0.32	0.12	
W7B	-6.1	11/17/09	1103		0.40 Low	4.98 154	79.1 1108	0.96 13.4	292 8192	23.8	7.60	23.99	13,279	2.70	0.10	
W7B	-6.1	12/8/09	1530		0.30 Ebb	5.13 159	90.2 1263	1.08 15.1	256 7200	24.9	7.78	27.35	15,139	2.12	0.10	
W7B	-6.1	1/4/10	1530		-0.10 Low	4.97 154	79.4 1112	1.36 19.0	271 7623	23.5	7.57	26.28	14,547	3.50	0.07	
W7B	-6.1	2/2/10	1550		-0.20 Low	4.81 149	108.0 1513	3.07 43.0	226 6354	24.9	7.67	27.55	15,250	2.22	0.43	
W7B	-6.1	3/10/10	1419		0.70 High	5.88 182	105.1 1472	0.36 5.0	271 7610	24.4	7.68	26.50	14,668	2.88	0.22	
W7B	-6.1	4/7/10	1210		0.70 High	5.94 184	97.5 1366	0.71 10.0	276 7741	24.0	7.71	26.18	14,491	4.31	0.93	
W7B	-6.1	5/12/10	1330		1.50 Flood	5.23 162	81.9 1147	1.07 15.0	307 8609	23.8	7.66	26.61	14,729	3.40	0.11	
W7B	-6.1	6/16/10	1145		0.30 Low	5.59 173	91.0 1274	0.43 6.0	321 9007	24.2	7.67	25.90	14,336	2.90	0.24	
W7B	-6.1	7/14/10	929		0.50 Ebb	5.39 167	89.1 1248	0.50 7.0	312 8776	24.1	7.65	25.92	14,347	7.12	0.17	
W7B	-6.1	8/4/10	1008		1.60 Flood	6.07 188	92.1 1290	0.76 10.6	274 7690	24.0	7.71	26.93	14,906	2.68	0.18	

NELHA Water Quality Laboratory

Well 7B Data Table

5/29/1992 - 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)
W7B	-6.1	9/13/10	1542		0.70 Low	5.88 182	87.1 1220	0.39 5.4	302 8472	23.6	7.64	26.62	14,735	1.89	0.21	
W7B	-6.1	10/11/10	1053		1.40 Ebb	6.13 190	87.0 1218	0.33 4.6	292 8208	24.0	7.74	26.60	14,724	1.53	0.18	
W7B	-6.1	11/15/10	1211		1.30 High	6.17 191	91.0 1274	0.52 7.3	273 7657	24.3	7.68	27.41	15,172	1.68	0.25	
W7B	-6.1	12/13/10	948		1.30 High	6.10 189	88.2 1235	0.09 1.3	284 7967	22.7	7.62	27.19	15,050	1.31	0.16	
W7B	-6.1	1/3/11	1404		0.50 Flood	6.10 189	88.1 1234	0.07 1.0	275 7726	23.7	7.62	26.64	14,746	1.67	0.16	
W7B	-6.1	4/4/11	1450		1.10 Flood	5.17 160	92.5 1295	0.09 1.2	216 6064	22.7	7.63	27.02	14,956	1.93	0.19	
W7B	-6.1	7/11/11	1405		2.40 High	5.75 178	91.9 1287	0.24 3.3	266 7484	26.4	7.61	26.73	14,796	1.54	0.12	
W7B	-6.1	10/10/11	1301		1.10 Flood	5.49 170	76.6 1073	0.14 2.0	272 7634	24.5	7.59	26.95	14,918	1.73	0.12	
W7B	-6.1	1/9/12	1331		0.20 Flood	5.65 175	85.0 1190	0.16 2.3	262 7351	24.8	7.63	26.77	14,818	2.41	0.17	
W7B	-6.1	5/8/12	1426		0.80 Flood	5.55 172	73.2 1025	0.37 5.2	276 7742	23.9	7.60	27.54	15,244	3.60	0.26	
W7B	-6.1	7/17/12	1333		1.90 Flood	5.81 180	94.0 1316	0.32 4.5	251 7056	23.8	7.57	27.76	15,366	1.79	0.18	
W7B	-6.1	10/15/12	1134		0.20 Flood	5.81 180	83.5 1169	0.11 1.5	279 7848	23.8	7.55	26.74	14,801	1.57	0.11	
W7B	-6.1	1/7/13	1233		0.80 High	6.07 188	111.2 1558	0.23 3.2	290 8143	23.6	7.58	28.23	15,626	4.62	0.14	
W7B	-6.1	4/8/13	1209		0.50 Flood	5.94 184	93.9 1315	0.29 4.1	253 7096	22.9	7.64	27.62	15,288	2.80	0.18	
W7B	-6.1	7/16/13	1426		1.20 Ebb	5.52 171	88.2 1236	0.22 3.1	276 7738	23.8	7.62	26.63	14,740	4.93	0.28	
W7B	-6.1	10/1/13	1552		1.00 Ebb	5.46 169	111.7 1565	0.44 6.2	264 7407	23.8	7.61	27.46	15,200	4.44	0.14	
W7B	-6.1	1/14/14	1450		0.70 High	5.81 180	98.1 1374	0.31 4.3	244 6853	24.1	7.67	27.77	15,371	6.05	0.38	
W7B	-6.1	4/28/14	1728		0.58 High	5.49 170	97.2 1361	0.26 3.6	250 7020	22.6	7.70	27.07	14,984	2.96	0.03	
W7B	-6.1	7/28/14	1448		0.49 Flood	5.26 163	98.7 1383	0.21 3.0	249 7004	24.2	7.57	27.22	15,067	1.98	0.18	
W7B	-6.1	11/13/14	1138		0.37 Flood	5.91 183	86.3 1209	0.07 1.0	244 6845	25.1	7.61	27.21	15,061	3.10	0.37	
W7B	-6.1	2/9/15	1542		0.30 Low	8.11 251	122.5 1716	0.26 3.7	202 5686	23.7	7.58	28.67	15,870	2.32	0.14	
W7B	-6.1	4/1/15			No sample											
W7B	-6.1	8/14/15	1059		0.09 Flood	5.90 183	96.0 1344	0.83 11.6	255 7175	24.9	7.62	30.75	17,021	4.77	0.33	
W7B	-6.1	11/13/15	942		0.15 Low	7.24 224	114.0 1597	0.14 1.9	266 7473	24.6	7.64	27.07	14,984	2.65	0.31	
W7B	-6.1	1/27/16	1649		0.3 Flood	5.71 177	99.8 1398	0.06 0.9	185 5195	23.2	7.68	29.68	16,429	5.91	0.48	
W7B	-6.1	4/26/16	1551		0.3 Flood	5.87 182	77.8 1090	0.74 10.3	202 5662	24.9	7.58	28.35	15,692	6.06	0.82	
W7B	-6.1	7/27/16	1250		0.5 Flood	5.56 172	87.3 1223	0.41 5.8	225 6319	25.7	7.71	26.81	14,840	3.14	0.72	
W7B	-6.1	10/1/16			No sample											
W7B	-6.1	3/22/16			No sample - well clogged											
W7B	-6.1	4/19/17			No sample - well clogged											
W7B	-6.1	9/19/17			No sample - well clogged											
W7B	-6.1	10/19/17			No sample - well clogged											
W7B	-6.1	3/23/18			No sample - well clogged											
W7B	-6.1	5/11/18			No sample - well clogged											
W7B	-6.1	9/4/18	1239		0.67 High	7.37 228	79.4 1113	1.82 25.5	221 6221	25.5	7.67	27.27	15,095	1.54	1.20	

NELHA Water Quality Laboratory

Well 7B Data Table

5/29/1992 - 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)
W7B	-6.1	11/1/18	1118		0.61 High	8.17 253	72.1 1010	0.20 2.8	224 6279	25.6	7.71	26.63	14,740	2.42	0.74	
W7B	-6.1	2/8/19	1431		0.10 Flood	7.42 230	84.3 1181	0.12 1.7	228 6412	24.4	7.65	26.57	14,707	2.58	1.07	
W7B	-6.1	5/16/19	1059		0.08 Flood	5.27 163	89.4 1252	0.33 4.6	232 6514	33.1	7.84	27.83	15,405	4.15	9.12	
W7B	-6.1	8/28/19	1616		0.65 High	4.99 155	98.9 1385	0.43 6.0	237 6663	30.3	7.71	27.51	15,227	3.65	9.44	
W7B	-6.1	10/16/19	1201		0.16 Low	4.88 151	70.5 988	0.11 1.6	221 6217	29.3	7.78	27.26	15,089	3.53	18.50	
W7B	-6.1	2/5/20	1601		0.15 Ebb	4.96 154	86.0 1204	-0.16 -2.3	207 5806	25.9	7.73	28.60	15,831	4.78	9.41	
W7B	-6.1	6/3/20	1512		0.67 High	3.99 124	79.5 1114	0.54 7.5	219 6142	26.5	7.68	27.45	15,194	2.72	2.57	
W7B	-6.1	8/19/20	1358		0.6 Flood	3.87 120	100.1 1402	0.01 0.1	245 6889	22.1	7.74	25.10	13,894	1.33	0.76	
W7B	-6.1	12/10/20	1025		0.45 High	3.86 120	103.8 1454	0.40 5.6	149 4198	20.7	7.50	32.06	17,746	1.16	0.20	
W7B	-6.1	2/18/21	1410		0.05 Low	3.67 114	49.6 694	0.16 2.3	122 3429	21.5	7.55	32.22	17,835	4.59	0.07	
W7B	-6.1	4/15/21	1123		0.00 Low	4.02 125	64.6 906	0.13 1.8	123 3468	19.7	7.52	30.96	17,137	6.10	0.23	
W7B	-6.1	7/1/21	44384		0.6 High	3.95 122	93.6 1312	0.31 4.3	131 3682	22.4	7.40	31.17	17,253	3.28	0.17	
W7B	-6.1	10/1/21	44509		0.2 Low	4.07 126	92.4 1295	1.80 25.2	137 3839	21.8	7.38	31.32	17,336	0.40	0.28	
W7B	-6.1	2/8/22	1445		0.05 Low	5.18 160	77.4 1084	0.18 2.5	161 4508	22.2	7.47	31.67	17,530	2.85	0.37	
W7B	-6.1	4/21/22	1106		-0.01 Low	3.07 95	95.2 1334	0.61 8.5	131 3678	21.0	7.45	31.19	17,264	0.77	0.21	
W7B	-6.1	7/13/22	1342		0.65 Flood	3.31 102	104.2 1460	0.07 1.0	145 4061	21.7	7.38	31.25	17,298	1.79	0.17	
W7B	-6.1	11/25/22	1058		0.15 Low	3.93 122	74.4 1042	0.08 1.1	127 3566	21.5	7.44	31.24	17,292	2.12	1.17	
W7B	-6.1	1/26/23	1134		0.1 Low	3.95 122	56.4 791	0.21 2.9	123 3450	21.7	7.60	31.81	17,608	4.40	0.58	
W7B	-6.1	4/26/23	1423		0.13 Flood	4.17 129	105.3 1476	0.06 0.9	127 3573	21.7	7.51	31.32	17,336	2.37	0.12	
W7B	-6.1	8/15/23	1403		0.5 Flood	3.41 106	109.7 1537	-0.03 -0.4	130 3640	21.0	7.50	31.09	17,209	2.37	2.14	
W7B	-6.1	11/16/23	1254		0.19 Low	3.29 102	105.5 1478	0.25 3.5	125 3504	21.2	7.49	30.87	17,087	1.91	0.23	130.8
W7B	-6.1	1/24/24	1143		0.50 Ebb	2.85 88	30.0 420	0.12 1.7	117 3291	24.1	7.61	32.76	18,134	5.17	0.44	172.2
W7B	-6.1	5/7/24	1419		0.69 High	3.01 93	92.8 1300	0.12 1.7	108 3046	21.8	7.65	31.22	17,281	1.74	0.15	154.8
W7B	-6.1	8/2/24	1101		0.3 Flood	3.04 94	86.4 1211	0.19 2.7	120 3358	21.8	7.52	31.21	17,276	2.48	0.13	152.0
W7B	-6.1	12/11/24	1156		0.43 High	5.63 174	35.8 502	0.26 3.7	145 4080	24.1	7.49	33.14	18,344	4.17	0.14	185.2
W7B	-6.1	1/10/25	1414		0.15 Ebb	3.12 97	28.7 402	2.36 33.1	96 2707	23.2	7.80	33.09	18,316	5.34	0.09	144.6
W7B	-6.1	5/14/25	1517		0.5 High	6.20 192	22.8 319	0.08 1.1	116 3263	24.2	7.91	33.13	18,338	4.99	0.20	143.2
Mean					0.64	4.85 150	80.04 1121	0.42 5.8	298 8372	23.7	7.71	24.96	13,818	2.76	0.92	154.7
Std. Dev.					0.53	1.54 48	20.74 291	1.74 24.2	89 2509	1.6	0.12	3.41	1,892	1.43	2.69	18.5
Maximum					2.40	10.14 314	171.80 2406	26.65 373.3	562 15778	33.1	8.27	33.14	18,344	7.12	18.50	185.2
Minimum					-0.20	2.44 75	22.80 319	-0.16 -2.3	84 2348	19.5	7.37	15.94	8,825	0.28	0.03	130.8
n					92	260 260	260 260	257 260	260 260	262	260	260	259	259	78	7