

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1989 - 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)
W2	-13.11	6/28/89				0.95 29.4	35.4 496	0.38 5.3		18.4	7.73	26.36	14,593	4.47		
W2	-13.11	8/11/89	1020			1.16 35.9	22.3 312	0.31 4.3		18.5	7.70	27.26	15,090	4.19		
W2	-13.11	8/16/89	935			1.28 39.6	23.9 335	0.52 7.3		18.5	7.68	27.28	15,099	4.27		
W2	-13.11	8/23/89	917			1.34 41.5	25.7 360	0.52 7.3		17.9	7.70	27.65	15,304	4.39		
W2	-13.11	8/30/89	935			1.19 36.9	23.9 335	0.31 4.3		18.2	7.70	27.38	15,158	4.07		
W2	-13.11	8/30/89	935			1.19 36.9	23.9 335	0.31 4.3								
W2	-13.11	10/31/89	915			1.20 37.2	22.7 318	0.19 2.7	308 8650	18.2	7.73	27.59	15,270	4.20		
W2	-13.11	11/16/89	750			1.29 40.0	27.5 385	0.01 0.1	315 8847	18.7	7.90	26.95	14,916	5.02		
W2	-13.11	12/13/89	1016			1.16 35.9	26.5 371	0.04 0.6	286 8032	18.4	7.74	28.31	15,673	6.36		
W2	-13.11	1/11/90	802			0.93 28.8	23.9 335	0.06 0.8	300 8426	18.4	7.72	27.89	15,436	4.30		
W2	-13.11	2/14/90	940			1.24 38.4	25.6 359	0.03 0.4	270 7583	18.5	7.70	27.49	15,214	4.03		
W2	-13.11	3/6/90	1316			0.61 18.9	14.2 199	0.22 3.1	278 7808	18.5	7.84	28.23	15,628	3.90		
W2	-13.11	4/4/90	1100			1.18 36.5	24.7 346	0.01 0.1	326 9156	18.5	7.89	27.92	15,453	4.04		
W2	-13.11	5/17/90	1351			1.14 35.3	22.5 315	0.08 1.1	268 7527	18.8	7.83	28.72	15,899	4.03		
W2	-13.11	6/16/90	1305			1.26 39.0	23.2 325	0.08 1.1	277 7780	18.9	7.92	28.31	15,671	3.85		
W2	-13.11	7/17/90	1340			1.33 41.2	23.7 332	0.02 0.3	296 8313	18.9	7.90	27.74	15,355	3.93		
W2	-13.11	8/8/90	1327			0.97 30.0	24.7 346	0.20 2.8	283 7948	18.9	7.88	28.09	15,547	3.83		
W2	-13.11	9/5/90	1340			1.49 46.2	23.6 330	0.12 1.7		18.9	7.90	28.12	15,566	3.83		
W2	-13.11	10/4/90	1340			1.22 37.8	23.0 323	0.03 0.4	293 8229	18.9	7.89	27.83	15,402	3.85		
W2	-13.11	11/1/90	1355			1.09 33.8	25.2 354	0.09 1.3	288 8089	18.9	7.89	27.67	15,313	3.80		
W2	-13.11	12/10/90	1357			1.03 31.9	25.1 351	0.01 0.1	270 7580	19.0	7.89	28.55	15,801	3.69		
W2	-13.11	1/9/91	1000			1.01 31.3	27.0 378	0.01 0.1	285 8004	17.2	7.94	27.61	15,281	3.83		
W2	-13.11	2/6/91	957			0.77 23.8	23.8 333	0.01 0.1	255 7162	18.8	7.90	27.87	15,427	3.73		
W2	-13.11	3/6/91	1020			0.96 29.7	24.6 345	0.08 1.1	289 8117	18.6	7.91	27.60	15,275	3.78		
W2	-13.11	4/3/91	1005			0.88 27.3	29.1 408	0.01 0.1	263 7386	18.8	7.90	28.57	15,813	3.72		
W2	-13.11	5/22/91	1026			0.95 29.4	12.7 178	0.09 1.3	343 9633	18.7	7.90	27.16	15,032	3.83		
W2	-13.11	6/26/91	1031			0.78 24.2	23.2 325	0.32 4.5	290 8145	18.8	7.90	28.27	15,645	3.74		
W2	-13.11	7/24/91	1101			1.04 32.2	22.2 311	0.28 3.9	292 8201	18.7	7.90	27.94	15,464	3.78		
W2	-13.11	8/23/91	1024			0.88 27.3	21.2 297	0.46 6.4	307 8622	18.7	7.87	27.66	15,311	3.79		
W2	-13.11	9/24/91	957			0.84 26.0	20.8 291	0.80 11.2	273 7667	18.7	7.86	28.92	16,009	3.72		
W2	-13.11	10/23/91	1016			1.43 44.3	23.4 328	0.01 0.1	379 10644	18.7	7.98	28.23	15,624	3.71		
W2	-13.11	11/20/91	958			1.39 43.1	25.1 352	0.10 1.4	341 9577	18.7	7.87	27.18	15,042	3.89		
W2	-13.11	12/11/91	1100			1.25 38.7	25.9 363	0.01 0.1	311 8735	18.7	7.91	27.01	14,951	3.85		
W2	-13.11	1/29/92	1058			1.00 31.0	26.7 374	0.01 0.1	314 8819	18.6	7.91	26.47	14,651	3.94		
W2	-13.11	2/19/92	1119			0.94 29.1	31.4 440	0.01 0.1	277 7780	18.7	7.91	27.66	15,310	3.78		

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 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)
W2	-13.11	3/17/92	1033			0.93 28.8	25.8 361	0.01 0.1	111 3117	18.6	7.90	27.36	15,143	3.85		
W2	-13.11	4/8/92	1030			0.93 28.8	24.3 340	0.28 3.9	285 8004	18.8	7.89	27.83	15,402	3.83		
W2	-13.11	5/6/92	1105			0.91 28.2	23.7 332	0.25 3.5	313 8791	18.7	7.89	27.64	15,301	3.84		
W2	-13.11	6/23/92	1041			1.03 31.9	25.2 353	0.80 11.2	325 9128	18.8	7.89	27.18	15,044	3.94		
W2	-13.11	7/29/92	1037			0.93 28.8	24.5 343	0.01 0.1	303 8510	18.9	7.87	27.53	15,237	3.86		
W2	-13.11	8/25/92	1023			1.14 35.3	24.2 339	0.16 2.2	312 8763	18.8	7.86	27.97	15,482	3.79		
W2	-13.11	9/22/92	1103			1.08 33.5	20.9 293	0.10 1.4	345 9689	18.8	7.89	27.07	14,982	3.85		
W2	-13.11	10/27/92	1049			1.19 36.9	28.8 403	0.21 2.9	352 9886	18.8	7.90	25.98	14,382	4.00		
W2	-13.11	11/17/92	1112			1.06 32.8	28.8 403	0.31 4.3	338 9479	18.6	7.91	26.07	14,432	3.99		
W2	-13.11	12/8/92	1013			0.97 30.0	25.8 361	0.35 4.9	325 9122	18.6	7.91	26.94	14,913	3.91		
W2	-13.11	1/26/93	1031			0.98 30.4	24.9 348	0.20 2.8	308 8639	18.7	7.92	27.85	15,415	3.82		
W2	-13.11	2/23/93	1018			0.98 30.4	25.3 355	0.15 2.1	328 9215	18.6	7.93	27.40	15,164	3.83		
W2	-13.11	3/16/93	1010			1.01 31.3	24.9 349	0.19 2.7	327 9173	18.6	7.92	27.67	15,316	3.88		
W2	-13.11	4/27/93	1007			0.97 30.0	25.1 352	0.33 4.6	349 9802	18.7	7.91	27.46	15,198	3.86		
W2	-13.11	5/25/93	1001			0.97 30.0	23.9 335	0.32 4.5	324 9100	18.7	7.90	27.88	15,434	3.83		
W2	-13.11	6/28/93	1027			0.96 29.7	25.8 361	0.16 2.2	339 9521	18.7	7.90	27.07	14,982	3.93		
W2	-13.11	8/31/93	929			1.07 33.1	24.4 341	0.06 0.8	333 9352	18.8	7.89	27.50	15,224	3.90		
W2	-13.11	10/26/93	916			1.01 31.3	25.3 354	0.27 3.8	318 8931	18.7	7.90	27.36	15,144	3.89		
W2	-13.11	3/1/94	857			1.12 34.7	23.7 333	0.21 2.9	272 7639	18.7	7.88	27.84	15,408	3.66		
W2	-13.11	6/21/94	953			1.07 33.1	23.5 329	0.09 1.3	265 7432	18.7	7.89	28.18	15,597	3.80		
W2	-13.11	8/23/94	1024			1.17 36.2	28.0 392	0.09 1.3	321 9015	18.9	7.89	26.20	14,502	4.03		
W2	-13.11	10/25/94	1043			1.11 34.4	24.6 344	0.74 10.4	274 7690	18.8	7.92	27.37	15,152	3.94		
W2	-13.11	1/24/95	1039			1.06 32.8	22.8 319	0.01 0.1	263 7378	18.6	7.91	28.08	15,544	3.79		
W2	-13.11	2/14/95	1016			1.04 32.2	24.0 336	0.15 2.1	272 7636	18.8	7.92	27.97	15,483	3.81		
W2	-13.11	3/14/95	1106			1.08 33.5	24.2 339	0.14 2.0	269 7541	18.8	7.90	27.38	15,158	3.88		
W2	-13.11	4/26/95	1056			1.09 33.8	24.6 344	0.15 2.1	275 7715	18.9	7.89	27.26	15,087	3.90		
W2	-13.11	5/8/95	1058			1.10 34.1	23.2 324	0.30 4.2	273 7679	18.9	7.86	27.62	15,291	3.85		
W2	-13.11	6/27/95	1035			1.06 32.8	23.8 333	0.42 5.9	278 7797	18.9	7.91	27.54	15,244	3.91		
W2	-13.11	7/25/95	1047			1.00 31.0	23.7 332	0.06 0.8	270 7569	18.9	7.89	27.74	15,356	3.76		
W2	-13.11	8/22/95	1140			1.07 33.1	23.7 332	0.18 2.5	277 7780	19.1	7.88	27.55	15,247	3.80		
W2	-13.11	9/11/95	1108			0.99 30.7	23.1 323	0.26 3.6	269 7563	18.8	7.91	27.69	15,324	3.83		
W2	-13.11	10/16/95	1126			1.00 31.0	22.1 309	0.37 5.2	264 7420	18.9	7.93	28.39	15,716	3.69		
W2	-13.11	11/6/95	1133			1.09 33.8	23.1 324	0.23 3.2	281 7878	18.9	7.93	27.81	15,393	3.76		
W2	-13.11	12/4/95	1118			1.03 31.9	23.3 326	0.15 2.1	267 7502	18.9	7.90	27.85	15,415	3.71		
W2	-13.11	1/29/96	1138			1.04 32.2	23.0 323	0.01 0.1	269 7561	19.1	7.90	27.85	15,416	3.80		

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 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)
W2	-13.11	2/26/96	1229			1.03 31.9	23.0 322	0.26 3.6	293 8221	19.5	7.89	27.86	15,420	3.86		
W2	-13.11	3/5/96	1125			1.05 32.5	32.5 456	0.25 3.5	272 7644	19.0	7.88	27.67	15,314	3.88		
W2	-13.11	4/1/96	1157			1.08 33.5	23.3 327	0.59 8.3	292 8187	19.7	7.88	27.75	15,363	3.85		
W2	-13.11	5/8/96	1208			1.08 33.5	22.4 314	0.15 2.1	266 7484	19.4	7.86	28.18	15,598	3.80		
W2	-13.11	6/17/96	1123			1.10 34.1	24.8 348	0.19 2.7	304 8530	19.3	7.89	26.95	14,915	3.82		
W2	-13.11	7/16/96	1133			1.07 33.1	25.4 355	0.34 4.8	291 8166	19.3	7.89	26.79	14,830	3.85		
W2	-13.11	8/5/96	1212			1.12 34.7	26.0 364	0.43 6.0	291 8184	19.5	7.90	26.57	14,704	3.92		
W2	-13.11	9/3/96	1136			1.08 33.5	25.1 351	0.45 6.3	311 8747	19.5	7.89	26.93	14,905	3.86		
W2	-13.11	10/8/96	1143			1.09 33.8	24.7 346	0.21 2.9	302 8475	19.2	7.88	27.05	14,970	3.89		
W2	-13.11	11/4/96	1201			1.03 31.9	24.3 340	0.27 3.8	283 7944	19.4	7.87	27.29	15,104	3.94		
W2	-13.11	12/16/96	1136			1.11 34.4	23.9 334	0.34 4.8	320 8978	19.3	7.90	27.22	15,065	3.90		
W2	-13.11	1/13/97	1216			1.11 34.4	18 257	0.14 2.0	255 7170	19.8	7.97	28.77	15,924	4.78		
W2	-13.11	2/11/97	1224			1.03 31.9	25 346	0.18 2.5	290 8153	19.6	7.92	26.93	14,908	3.97		
W2	-13.11	3/11/97	1155			0.95 29.4	24 329	0.19 2.7	280 7861	19.3	7.93	27.55	15,252	3.85		
W2	-13.11	4/22/97	1206			1.03 31.9	22 314	0.39 5.5	270 7577	19.3	7.91	28.05	15,525	3.64		
W2	-13.11	5/27/97	1058			1.03 31.9	24 334	0.04 0.6	279 7839	18.2	7.94	27.49	15,218	3.85		
W2	-13.11	6/16/97	1110			1.05 32.5	23 324	0.45 6.3	280 7870	18.5	7.95	27.42	15,175	3.85		
W2	-13.11	7/16/97	1022			1.08 33.5	25 343	0.16 2.2	272 7628	18.9	7.95	27.21	15,063	3.87		
W2	-13.11	8/25/97	1118			1.09 33.8	26 363	0.26 3.6	306 8597	19.1	8.04	26.62	14,734	3.84		
W2	-13.11	9/22/97	1057			1.09 33.8	23 325	0.24 3.4	263 7398	19.3	8.07	27.81	15,392	3.74		
W2	-13.11	10/15/97	1034			1.06 32.8	24 332	0.15 2.1	268 7538	18.8	8.07	27.61	15,284	3.74		
W2	-13.11	11/3/97	1022			1.05 32.5	22.9 321	0.17 2.4	256 7187	19.0	8.04	28.03	15,514	3.82		
W2	-13.11	12/15/97	1039			1.01 31.3	23.0 322	0.19 2.7	266 7457	18.9	8.07	27.82	15,399	3.87		
W2	-13.11	1/6/98	957			1.12 34.7	23.9 335	0.02 0.3	279 7844	18.9	8.07	27.52	15,232	3.90		
W2	-13.11	2/2/98	1055			1.04 32.2	23.5 329	0.04 0.6	276 7738	19.0	8.06	27.38	15,153	3.80		
W2	-13.11	3/9/98	1052			1.10 34.1	22.1 310	0.02 0.3	268 7538	18.9	7.88	28.34	15,684	3.80		
W2	-13.11	4/13/98	1022			1.07 33.1	22 311	0.21 2.9	266 7479	18.9	7.89	28.22	15,622	3.82		
W2	-13.11	5/11/98	1119			1.11 34.4	21 295	0.07 1.0	247 6929	19.0	7.89	28.88	15,984	3.74		
W2	-13.11	6/1/98	1107			1.03 31.9	21.1 296	0.14 2.0	252 7076	19.3	7.88	28.93	16,015	3.79		
W2	-13.11	7/13/98	1107			1.13 35.0	22 304	0.03 0.4	261 7328	18.9	7.88	28.44	15,740	3.77		
W2	-13.11	8/10/98	1122			1.07 33.1	21.3 298	0.11 1.5	256 7179	18.9	7.85	28.61	15,836	3.81		
W2	-13.11	9/14/98	1128			1.24 38.4	24.2 338	0.16 2.2	291 8159	18.9	7.87	27.21	15,059	3.96		
W2	-13.11	10/12/98	1016			1.16 35.9	25.9 363	0.05 0.7	321 9013	19.3	7.88	26.37	14,596	4.34		
W2	-13.11	11/2/98	1042			1.04 32.2	23.5 329	0.05 0.7	272 7628	19.3	7.89	27.54	15,242	3.94		
W2	-13.11	12/15/98	1026			1.07 33.1	21.8 305	0.07 1.0	267 7485	18.9	7.87	28.75	15,912	3.77		

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 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)
W2	-13.11	1/11/99	1051			1.03 31.9	20 286	0.18 2.5	259 7260	19.0	7.88	28.47	15,756	3.88		
W2	-13.11	2/2/99	1055			0.97 30.0	21 292	0.08 1.1	257 7207	18.9	7.87	28.80	15,944	3.82		
W2	-13.11	3/1/99	1107			0.96 29.7	19.7 276	0.04 0.6	249 6993	19.2	7.86	29.23	16,181	4.12		
W2	-13.11	4/5/99	1052			1.07 33.1	22.4 314	0.05 0.7	271 7600	19.1	7.88	28.05	15,525	3.89		
W2	-13.11	5/3/99	1117			0.96 29.7	20.8 291	0.16 2.2	262 7353	18.1	7.85	28.96	16,032	3.85		
W2	-13.11	6/1/99	1046			1.10 34.1	22.1 310	0.40 5.6	288 8097	19.1	7.86	28.14	15,575	3.78		
W2	-13.11	7/14/99	1105			1.00 31.0	20.1 282	0.04 0.6	262 7353	19.2	7.86	28.84	15,963	3.74		
W2	-13.11	8/23/99	1114			1.03 31.9	20.8 291	0.16 2.2	273 7667	19.3	7.91	28.37	15,703	3.81		
W2	-13.11	9/7/99	1115			1.31 40.6	25.4 356	0.09 1.3	288 8100	19.2	7.93	27.93	15,458	3.93		
W2	-13.11	10/5/99	1052			1.06 32.8	23.2 325	0.01 0.1	266 7471	19.0	7.92	26.92	14,902	3.79		
W2	-13.11	11/1/99	1124			1.06 32.8	22.2 311	0.08 1.1	265 7451	18.9	7.93	28.34	15,687	3.73		
W2	-13.11	12/14/99	1117			1.04 32.2	22.7 318	0.13 1.8	266 7474	19.0	7.87	28.00	15,498	3.67		
W2	-13.11	1/10/00	1135			1.04 32.2	20.5 287	0.13 1.8	256 7181	19.0	7.88	28.82	15,952	3.73		
W2	-13.11	2/7/00	1134			0.98 30.4	20.1 282	0.17 2.4	243 6814	19.0	7.92	29.36	16,249	3.68		
W2	-13.11	3/21/00	1134			0.90 27.9	20.6 289	0.14 2.0	259 7283	19.1	7.91	28.67	15,867	3.68		
W2	-13.11	4/10/00	1215			0.97 30.0	20.1 282	0.02 0.3	250 7013	19.1	7.91	29.13	16,123	3.65		
W2	-13.11	5/15/00	1116			1.03 31.9	22.4 314	0.17 2.4	269 7541	19.0	7.92	28.10	15,552	3.79		
W2	-13.11	6/5/00	1119			1.00 31.0	20.4 286	0.04 0.6	273 7670	19.0	7.91	28.20	15,611	3.80		
W2	-13.11	7/26/00	1145			0.98 30.4	20.0 280	0.03 0.4	258 7254	19.0	7.92	28.93	16,014	3.72		
W2	-13.11	8/29/00	1055			1.08 33.5	22.0 308	0.07 1.0	254 7128	19.3	7.87	28.42	15,730	3.77		
W2	-13.11	9/5/00	1109			1.11 34.4	23.6 331	0.06 0.8	272 7645	19.1	7.88	27.79	15,384	3.78		
W2	-13.11	10/24/00	1122			1.02 31.6	17.5 245	0.20 2.8	248 6954	20.8	8.02	28.83	15,958	4.47		
W2	-13.11	11/13/00	1102			0.90 27.9	21.8 305	0.27 3.8	254 7142	20.6	7.92	28.75	15,911	3.65		
W2	-13.11	12/18/00	1054			1.07 33.1	21.9 307	0.21 2.9	271 7617	19.2	7.90	28.66	15,862	3.61		
W2	-13.11	1/22/01	1118			1.12 34.7	23.8 333	0.18 2.5	278 7813	19.1	7.88	27.91	15,447	3.58		
W2	-13.11	2/5/01	1123			0.94 29.1	22.3 312	0.21 2.9	276 7746	18.9	7.89	28.42	15,733	3.53		
W2	-13.11	3/5/01	1115			1.02 31.6	31.4 440	0.07 1.0	259 7280	19.1	7.86	28.69	15,879	3.74		
W2	-13.11	4/17/01	1105			1.22 37.8	49.2 689	0.02 0.3	271 7606	18.9	7.85	28.44	15,743	4.07		
W2	-13.11	5/15/01	1045			1.38 42.7	89.7 1256	0.16 2.2	260 7311	19.0	7.83	28.44	15,740	4.32		
W2	-13.11	6/12/01	1134			1.66 51.4	102 1429	0.04 0.6	261 7325	19.1	7.83	28.18	15,596	4.55		
W2	-13.11	7/25/01	916			2.25 69.7	107 1500	0.03 0.4	268 7535	18.9	7.81	27.71	15,338	7.40		
W2	-13.11	8/20/01	906			2.82 87.3	121 1695	0.09 1.3	259 7269	18.7	7.78	27.89	15,436	5.13		
W2	-13.11	9/19/01	1028			2.62 81.2	112 1572	0.05 0.7	258 7240	18.8	7.80	27.66	15,308	5.38		
W2	-13.11	10/24/01	1020			3.31 102.5	118 1654	0.01 0.1	252 7080	18.4	7.76	27.54	15,244	5.33		
W2	-13.11	11/7/01	1055			3.12 96.6	126 1765	0.02 0.3	253 7117	18.3	7.77	27.63	15,292	5.33		

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 - 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)
W2	-13.11	12/19/01	1036			3.28 101.6	137 1925	0.19 2.7	234 6572	18.2	7.77	28.10	15,554	5.33		
W2	-13.11	1/9/02	1026			3.57 110.6	126 1766	0.19 2.7	258 7249	17.9	7.74	27.75	15,361	5.50		
W2	-13.11	2/25/02	1105			3.10 96.0	98.9 1385	0.05 0.7	238 6687	17.9	7.82	28.27	15,648	6.03		
W2	-13.11	3/20/02	1044			3.02 93.5	98.1 1374	0.10 1.4	232 6521	17.6	7.78	28.36	15,699	6.09		
W2	-13.11	4/10/02	1117			2.98 92.3	90.0 1260	0.10 1.4	226 6333	17.7	7.78	28.25	15,639	6.13		
W2	-13.11	5/22/02	933			3.18 98.5	103 1441	0.16 2.2	233 6555	17.3	7.81	28.12	15,562	6.36		
W2	-13.11	6/19/02	953			3.66 113.4	124 1742	0.19 2.7	242 6791	17.2	7.78	27.64	15,299	6.28		
W2	-13.11	7/22/02	942			3.42 105.9	127 1783	0.07 1.0	226 6359	17.5	7.80	28.29	15,656	6.27		
W2	-13.11	8/21/02	953			3.84 118.9	123 1716	0.19 2.7	232 6519	17.1	7.77	27.98	15,485	6.23		
W2	-13.11	9/25/02	1138			3.60 111.5	112 1566	0.24 3.4	238 6679	17.2	7.77	27.98	15,489	6.28		
W2	-13.11	10/15/02	924			3.98 123.3	124 1735	0.13 1.8	230 6446	17.1	7.80	27.99	15,494	6.26		
W2	-13.11	11/17/02	1118			4.23 131.0	118 1653	0.10 1.4	237 6667	17.1	7.80	27.86	15,418	6.15		
W2	-13.11	12/18/02	1146			3.96 122.7	115 1614	0.05 0.7	230 6462	17.3	7.74	27.84	15,409	6.28		
W2	-13.11	1/29/03	1037			3.96 122.7	105 1474	0.10 1.4	232 6516	20.3	7.90	27.68	15,319	6.50		
W2	-13.11	2/10/03	1058			4.03 124.8	99.3 1391	0.15 2.1	236 6634	16.9	7.76	29.70	16,438	6.60		
W2	-13.11	3/20/03	1020			3.72 115.2	89.3 1251	0.04 0.6	228 6415	17.4	7.75	28.22	15,619	6.39		
W2	-13.11	4/30/03	1117			3.65 113.1	95.0 1330	0.15 2.1	222 6229	17.1	7.77	34.44	19,063	6.30		
W2	-13.11	5/14/03	1027			3.77 116.8	89.0 1246	0.09 1.3	227 6373	17.3	7.81	28.16	15,589	6.12		
W2	-13.11	6/4/03	1115			3.54 109.6	88.7 1242	0.01 0.1	222 6241	17.6	7.69	28.38	15,709	6.08		
W2	-13.11	7/30/03	1044			3.51 108.7	83.4 1169	0.02 0.3	224 6291	19.3	7.91	28.34	15,688	6.16		
W2	-13.11	8/28/03	1025			3.50 108.4	87.4 1224	0.02 0.3	224 6297	18.1	7.74	28.09	15,547	6.01		
W2	-13.11	9/16/03	1101			3.92 121.4	91.8 1286	0.38 5.3	246 6903	17.8	7.75	27.25	15,086	5.84		
W2	-13.11	10/8/03	1101			3.64 112.7	77.5 1086	0.30 4.2	231 6496	17.8	7.75	27.94	15,465	NA		
W2	-13.11	11/5/03	1102			3.64 112.7	87.1 1220	0.40 5.6	240 6732	17.6	7.75	27.70	15,333			
W2	-13.11	11/14/03	1452							17.8				5.65		
W2	-13.11	12/22/03	1003			3.74 115.8	79.0 1106	0.10 1.4	235 6586	17.8	7.73	28.06	15,530	5.61		
W2	-13.11	1/26/04	1043			3.78 117.1	86.4 1210	0.10 1.4	234 6575	17.6	7.71	27.88	15,432	5.55		
W2	-13.11	2/11/04	1030			3.72 115.2	72.0 1009	0.13 1.8	226 6336	17.8	7.70	28.06	15,531	5.57		
W2	-13.11	3/16/04	1302			3.76 116.5	61.7 865	0.22 3.1	239 6718	18.7	7.73	27.67	15,314	4.94		
W2	-13.11	4/20/04	1104			3.58 110.9	64.6 905	0.02 0.3	230 6457	17.8	7.71	27.60	15,279	5.34		
W2	-13.11	5/11/04	1010			3.26 101.0	53.5 749	0.25 3.5	326 9156	18.5	7.90	27.05	14,973	5.65		
W2	-13.11	6/2/04	1104			3.40 105.3	52.7 739	0.18 2.5	231 6496	18.1	7.71	26.83	14,851	5.29		
W2	-13.11	7/14/04	1113			3.34 103.5	57.3 803	0.18 2.5	237 6651	18.7	7.71	26.93	14,906	5.48		
W2	-13.11	8/23/04	1108			3.28 101.6	52.2 731	0.35 4.9	240 6741	18.6	7.73	26.85	14,862	5.41		
W2	-13.11	9/27/04	950			3.38 104.7	52.5 735	0.17 2.4	249 6988	18.7	7.71	26.82	14,846	5.35		

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 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)
W2	-13.11	10/5/04	951			3.44 106.5	53.1 743	0.17 2.4	246 6920	18.5	7.74	26.52	14,680	5.45		
W2	-13.11	11/9/04	1032			3.28 101.6	58.2 815	0.15 2.1	226 6345	NA	7.68	27.14	15,023	5.66		
W2	-13.11	12/6/04	1105			3.50 108.4	62.2 871	0.13 1.8	235 6586	18.8	7.74	26.72	14,790	5.72		
W2	-13.11	1/10/05	1032			3.48 107.8	61.5 862	0.07 1.0	221 6196	19.0	7.75	28.28	15,655	5.81		
W2	-13.11	2/9/05	1029			3.42 105.9	58.8 824	0.08 1.1	220 6176	18.9	7.76	28.21	15,613	5.90		
W2	-13.11	3/15/05	1055			3.22 99.7	50.7 710	0.22 3.1	219 6148	18.9	7.77	28.01	15,504	5.82		
W2	-13.11	4/19/05	1007			3.20 99.1	52.0 729	0.15 2.1	218 6109	19.0	7.76	28.17	15,590	5.88		
W2	-13.11	5/23/05	1053			3.16 97.9	59.9 838	0.18 2.5	218 6123	19.3	7.71	28.47	15,756	6.04		
W2	-13.11	6/13/05	915			3.32 102.8	60.8 852	0.10 1.4	216 6052	19.1	7.73	28.24	15,632	5.81		
W2	-13.11	7/18/05	1025			3.28 101.6	50.1 702	0.06 0.8	224 6300	19.1	7.72	28.02	15,508	5.58		
W2	-13.11	8/9/05	1035			3.14 97.3	52.9 741	0.16 2.2	217 6097	19.1	7.75	28.17	15,591	5.70		
W2	-13.11	9/20/05	1023			3.24 100.4	58.2 815	0.23 3.2	218 6131	19.0	7.73	28.15	15,582	5.81		
W2	-13.11	10/17/05	1023			3.38 104.7	59.1 828	0.14 2.0	219 6151	18.9	7.72	28.29	15,658	5.80		
W2	-13.11	11/7/05	952			3.50 108.4	73.7 1033	0.02 0.3	218 6134	18.6	7.73	28.42	15,732	6.04		
W2	-13.11	12/21/05	921			3.62 112.1	62.5 875	0.2 2.8	223 6249	18.5	7.75	27.92	15,454	5.82		
W2	-13.11	1/23/06	1023			3.54 109.6	57.7 808	0.25 3.5	220 6179	18.6	7.70	28.36	15,696	5.9		
W2	-13.11	2/14/06	1038			3.54 109.6	53.3 747	0.27 3.8	219 6151	18.4	7.72	28.36	15,700	5.88		
W2	-13.11	3/20/06	941			3.38 104.7	50.1 702	0.30 4.2	214 6010	18.5	7.74	28.77	15,924	5.65		
W2	-13.11	4/25/06	1010			3.30 102.2	49.2 689	0.11 1.5	203 5701	18.6	7.75	28.77	15,924	5.59		
W2	-13.11	5/22/06	1040			3.22 99.7	52.3 733	0.21 2.9	200 5617	18.9	7.74	28.87	15,979	5.66		
W2	-13.11	6/26/06	1053			3.01 93.2	50.8 712	0.12 1.7	206 5786	18.6	7.77	28.64	15,854	5.41		
W2	-13.11	7/20/06	1058			3.16 97.9	56.0 784	0.24 3.4	210 5898	18.7	7.77	28.68	15,877	5.99		
W2	-13.11	7/27/06										28.87		5.95		
W2	-13.11	8/7/06	1115			3.02 93.5	57.6 807	0.25 3.5	210 5898	19.4	7.80	28.49	15,772	6.78		
W2	-13.11	9/18/06	1038			2.97 92.0	55.9 783	0.28 3.9	212 5954	19.1	7.77	28.45	15,750	5.57		
W2	-13.11	10/23/06	1015			2.83 87.7	52.0 728	0.32 4.5	209 5870	18.6	7.75	28.18	15,596	5.75		
W2	-13.11	11/27/06	1034			3.10 96.0	66.4 930	0.17 2.4	215 6038	18.4	7.78	28.26	15,643	5.65		
W2	-13.11	12/11/06	1056			3.12 96.6	68.8 964	0.28 3.9	215 6038	18.3	7.78	28.20	15,609	5.84		
W2	-13.11	1/8/07	1146			3.12 96.6	63.2 885	0.27 3.8	202 5673	18.7	7.78	28.304	15,667	5.85		
W2	-13.11	2/20/07	1115			3.35 103.8	70.8 992	0.32 4.5	196 5505	18.1	7.86	28.408	15,725	6.04		
W2	-13.11	3/5/07	1113			3.20 99.1	68.1 954	0.35 4.9	209 5870	18.2	7.82	28.445	15,745	5.73		
W2	-13.11	4/18/07	1112			3.25 100.7	62.5 875	0.20 2.8	210 5898	18.6	7.85	28.582	15,821	5.55		
W2	-13.11	5/1/07	1101			3.25 100.7	62.2 871	0.30 4.2	209 5870	18.3	7.84	28.485	15,767	5.56		
W2	-13.11	6/18/07	1055			3.23 98.0	61.2 857	0.18 2.5	215 6038	18.6	7.87	28.413	15,727	5.75		
W2	-13.11	7/26/07	1339	-1.68	0.61 Flood	3.46 107	70.2 983	1.91 26.7	237 6649	17.9	7.72	28.35	15,692	5.34		

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 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)
W2	-13.11	8/28/07	1140	-1.95	0.08 Flood	3.30 102	62.5 876	0.01 0.1	191 5371	18.0	7.72	28.29	15,659	5.40		
W2	-13.11	9/13/07	1108	-1.88	0.15 Low	3.36 104	59.0 827	0.01 0.2	208 5845	18.2	7.83	28.34	15,687	5.42		
W2	-13.11	10/24/07	1439	-1.88	0.46 High	3.16 98	61.2 857	0.16 2.3	208 5849	18.2	7.83	28.11	15,560	5.42		
W2	-13.11	11/26/07	1139	-2.03	0.15 Ebb	2.55 79	68.2 955	0.01 0.1	210 5910	18.5	7.77	28.47	15,759	5.05		
W2	-13.11	12/20/07	1232	-1.88	0.23 High	2.63 82	46.5 651	0.61 8.6	176 4939	18.1	7.85	28.23	15,626	5.05		
W2	-13.11	1/28/08	1314	-1.83	0.06 Ebb	2.21 68	26.1 365	0.25 3.5	167 4676	18.4	7.62	28.70	15,886	4.74		
W2	-13.11	2/27/08	1107	-1.80	0.09 Ebb	3.25 101	62.0 869	0.60 8.4	198 5564	18.0	7.63	28.37	15,704	5.33		
W2	-13.11	3/20/08	1131	-2.03	0.00 Low	2.91 90	59.4 832	0.06 0.8	131 3673	18.0	7.71	28.54	15,798	5.14		
W2	-13.11	4/28/08	1125	-1.98	0.18 High	2.73 85	57.5 805	0.19 2.6	198 5568	18.3	7.66	28.28	15,654	4.98		
W2	-13.11	5/30/08	1225	-1.55	0.49 Flood	2.69 83	51.2 718	0.21 2.9	203 5714	18.2	7.67	28.26	15,643	5.28		
W2	-13.11	6/26/08	1032	-1.62	0.43 High	2.78 86	54.4 762	0.29 4.0	239 6721	18.5	7.70	28.19	15,604	5.57	0.40	
W2	-13.11	7/25/08	1212	-1.62	0.52 Ebb	2.58 80	47.1 660	0.20 2.8	176 4951	17.9	7.62	28.25	15,637	5.50		
W2	-13.11	8/30/08	953		0.03 Low	2.52 78	52.5 735	0.13 1.8	205 5753	17.9	7.66	28.64	15,853	6.05		
W2	-13.11	9/19/08	926	-1.63	0.58 Ebb	2.46 76	46.0 644	0.33 4.6	143 4008	21.2	7.53	28.26	15,643	6.31	0.10	
W2	-13.11	10/27/08	1220	-1.90	0.27 Flood	2.72 84	52.4 734	0.34 4.8	199 5576	19.4	7.47	28.02	15,510	3.17	0.21	
W2	-13.11	11/10/08	1034	-1.91	0.24 Flood	4.02 125	54.0 757	0.16 2.2	203 5697	19.7	7.67	28.06	15,532	5.70	0.49	
W2	-13.11	12/15/08	1002	-1.90	0.43 Ebb	2.86 89	65.4 917	0.41 5.7	200 5612	19.9	7.91	27.68	15,322	6.48		
W2	-13.11	1/23/09	1339	-2.04	0.15 High	3.42 106	65.2 913	0.01 0.1	184 5160	20.0	7.86	28.30	15,665	5.74	0.55	
W2	-13.11	2/23/09	1444	-1.94	0.24 Flood	2.84 88	22.2 310	0.15 2.1	67 1883	19.1	7.83	26.56	14,702	6.08	0.09	
W2	-13.11	3/13/09	1455	-2.06	0.24 Flood	3.25 101	63.9 896	0.13 1.8	189 5310	19.3	7.77	28.64	15,853	5.82	0.05	
W2	-13.11	4/20/09	1209	-2.11	0.30 Flood	3.83 119	56.5 791	1.26 18	157 4422	19.1	7.70	29.09	16,102	5.73	0.63	
W2	-13.11	5/21/09	1442	-1.83	0.61 High	2.85 88	48.2 676	0.55 7.7	210 5905	17.8	7.84	28.73	15,903	5.16	0.13	
W2	-13.11	6/16/09	1113	-1.90	0.40 Flood	2.23 69	38.0 533	0.77 11	154 4322	17.9	7.51	27.65	15,305	5.00	0.04	
W2	-13.11	7/13/09	1519	-2.15	0.21 Flood	2.46 76	38.7 543	0.32 4.5	118 3311	17.9	7.70	28.83	15,958	4.79	0.06	
W2	-13.11	8/18/09	1419	-1.66	0.70 Flood	2.76 86	50.1 702	0.58 8.1	176 4936	18.2	7.20	27.52	15,233	5.02	0.06	
W2	-13.11	9/21/09	1418	-2.20	0.18 Flood	2.17 67	33.5 470	0.58 8.1	106 2976	18.6	8.24	28.75	15,914	4.69	0.07	
W2	-13.11	10/19/09	1209	-2.19	0.12 Low	2.49 77	48.8 684	0.53 7.4	83 2339	18.7	7.94	29.03	16,069	4.81	0.04	
W2	-13.11	11/16/09	1357	-2.26	0.18 Flood	3.27 101	51.8 726	0.90 13	194 5439	18.5	7.73	29.43	16,290	4.98	0.04	
W2	-13.11	12/7/09	1313	-2.20	0.18 Ebb	3.33 103	59.9 839	1.10 15	195 5469	19.0	7.78	29.17	16,146	5.01	0.08	
W2	-13.11	1/5/10	1038	-1.94	0.30 Ebb	2.94 91	52.5 736	1.50 21	206 5792	18.8	7.75	28.10	15,554	4.88	0.10	
W2	-13.11	2/1/10	1107	-2.14	0.00 Ebb	2.65 82	59.5 833	0.79 11	199 5577	18.6	7.83	27.79	15,382	4.86	0.24	
W2	-13.11	3/9/10	1057	-2.23	0.12 Flood	3.23 100	60.6 849	0.36 5.0	215 6033	18.0	7.75	28.69	15,881	5.04	0.19	
W2	-13.11	4/6/10	953	-2.28	0.15 Flood	3.49 108	55.3 775	0.93 13	213 5980	19.2	7.79	28.78	15,930	5.46	0.04	
W2	-13.11	5/11/10	1033	-2.28	0.09 Flood	2.62 81	45.7 640	0.93 13	196 5503	19.5	7.88	28.49	15,770	4.74	0.24	
W2	-13.11	6/15/10	1127	-2.35	0.06 Low	2.91 90	51.4 720	0.36 5.0	225 6318	17.9	7.76	28.61	15,836	4.60	0.13	

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 - 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)
W2	-13.11	7/13/10	1043	-2.32	0.00 Low	2.49 77	60.5 848	0.21 3.0	212 5945	17.8	7.73	28.83	15,958	4.70	0.12	
W2	-13.11	8/3/10	1037	-1.86	0.52 Flood	2.84 88	64.3 900	0.21 3.0	226 6351	17.7	7.80	28.45	15,748	4.88	0.07	
W2	-13.11	9/14/10	1039	-1.75	0.58 Ebb	2.71 84	69.4 972	0.22 3.1	224 6295	17.6	7.81	28.45	15,748	5.61	0.08	
W2	-13.11	10/12/10	1034	-1.78	0.55 Ebb	2.81 87	66.7 934	0.11 1.6	236 6640	17.7	7.83	28.27	15,648	5.33	0.11	
W2	-13.11	11/16/10	949	-1.97	0.27 Flood	2.91 90	68.4 958	0.10 1.4	231 6483	17.7	7.84	28.05	15,526	5.30	0.10	
W2	-13.11	12/14/10	1030	-1.94	0.37 High	2.81 87	71.6 1003	0.25 3.5	220 6181	17.7	7.84	28.10	15,554	5.14	0.05	
W2	-13.11	1/4/11	1019	-2.16	0.06 Ebb	3.26 101	80.3 1125	0.89 12.4	223 6274	17.7	7.84	28.36	15,698	5.36	0.04	
W2	-13.11	4/5/11	1108	-2.28	-0.06 Low	3.10 96	69.1 968	0.15 2.1	211 5921	17.4	7.76	28.47	15,759	4.77	0.13	
W2	-13.11	7/12/11	1036	-2.27	0.18 Flood	3.23 100	76.7 1074	0.11 1.5	199 5595	16.9	7.88	28.69	15,881	5.49	0.02	
W2	-13.11	10/11/11	1051	-2.16	0.12 Low	3.10 96	68.7 962	0.24 3.4	202 5671	17.1	7.89	28.96	16,030	4.87	0.11	
W2	-13.11	1/10/12	1048	-2.21	0.06 Ebb	2.87 89	77.2 1081	0.18 2.5	189 5320	17.1	7.87	29.08	16,097	5.55	0.05	
W2	-13.11	5/1/12	1046	-2.03	0.34 Flood	3.39 105	75.0 1051	0.14 1.9	212 5947	17.1	7.88	28.94	16,019	4.99	0.06	
W2	-13.11	7/18/12	1006	-2.18	0.00 Flood	3.39 105	86.8 1216	0.34 4.8	202 5680	16.8	7.98	29.09	16,102	5.93	0.05	
W2	-13.11	10/16/12	1047	-2.11	0.09 Ebb	3.29 102	82.4 1154	0.18 2.5	203 5712	16.8	7.94	28.78	15,930	5.95	0.10	
W2	-13.11	1/8/13	1111	-2.12	0.15 Flood	3.49 108	76.8 1076	0.21 3.0	239 6710	16.8	7.89	28.73	15,903	6.23	0.04	
W2	-13.11	4/9/13	1054	-2.31	-0.03 Flood	3.81 118	87.0 1218	0.19 2.7	191 5351	16.6	7.94	29.05	16,080	6.25	0.15	
W2	-13.11	7/17/13	1143	-1.89	0.58 Flood	3.58 111	82.5 1155	0.16 2.3	225 6316	16.8	7.91	28.19	15,604	5.87	0.02	
W2	-13.11	10/15/13	1035	-1.96	0.30 Flood	3.39 105	89.0 1247	0.15 2.1	199 5591	16.7	7.90	29.34	16,240	6.27	0.05	
W2	-13.11	1/15/14	1032	-1.98	0.06 Ebb	3.62 112	84.7 1187	0.32 4.5	197 5546	17.0	7.95	29.18	16,152	5.80	0.07	
W2	-13.11	4/1/14	1132	-2.33	0.00 Flood	3.58 111	82.4 1154	0.34 4.8	201 5646	17.0	7.81	28.82	15,953	6.24	0.15	
W2	-13.11	7/29/14	1111	-2.21	0.12 Low	3.97 123	76.5 1071	0.23 3.2	197 5534	16.8	7.85	28.96	16,030	7.77	0.15	
W2	-13.11	11/5/14	1108	-2.05	0.15 Flood	3.45 107	79.5 1114	0.21 3.0	208 5840	17.4	7.74	27.80	15,388	6.10	0.22	
W2	-13.11	2/10/15	1104	-1.97	0.80 High	4.93 153	104.0 1457	0.51 7.2	246 6909	17.9	7.71	28.34	15,687	6.28	0.09	
W2	-13.11	5/19/15	1533	-1.76	1.60 Flood	3.66 113	82.2 1152	0.40 5.6	197 5544	18.2	7.84	27.52	15,233	5.54	0.02	
W2	-13.11	7/21/15	1210	-1.93	0.50 Low	3.99 124	72.6 1017	0.01 0.1	186 5226	17.6	7.85	29.97	16,589	6.08	0.02	
W2	-13.11	11/9/15	1015	-2.08	0.20 Flood	3.71 115	72.7 1019	0.01 0.1	202 5678	17.4	7.78	27.03	14,962	7.18	0.05	
W2	-13.11	1/26/16	1456	-2.00	0.25 Flood	3.60 112	79.2 1110	0.05 0.7	197 5539	16.9	7.79	28.26	15,643	6.69	0.15	
W2	-13.11	4/21/16	1108	-2.05	-0.05 Low	3.37 104	71.2 997	0.36 5.0	201 5654	17.1	7.68	27.82	15,399	6.57	0.04	
W2	-13.11	7/20/16	1532	-1.85	0.45 Flood	3.27 101	60.5 848	0.31 4.3	180 5050	16.9	7.68	27.88	15,432	5.90	0.05	
W2	-13.11	11/7/16	1156	-1.76	0.45 Ebb	3.14 97	63.8 894	0.03 0.4	185 5196	16.9	7.68	27.63	15,294	7.48	0.02	
W2	-13.11	3/21/17	1441	-1.84	0.13 Ebb	3.07 95	56.2 788	0.34 4.8	223 6272	17.2	7.78	28.07	15,537	6.93	0.04	
W2	-13.11	4/13/17	1052	-2.20	0.07 Low	2.93 91	53.8 753	0.24 3.4	205 5760	17.1	7.80	28.45	15,748	5.65	0.03	
W2	-13.11	8/4/17	1043	-1.99	0.25 Flood	2.59 80	50.4 705	0.04 0.5	223 6260	16.9	7.80	27.94	15,466	6.96	0.08	
W2	-13.11	10/18/17	1638	-1.70	0.50 Ebb	2.82 88	54.9 769	0.26 3.6	211 5918	16.7	7.00	27.86	15,421	6.49	0.04	
W2	-13.11	1/17/18	1144	-2.14	0.11 Low	2.79 86	59.0 827	0.24 3.4	218 6118	16.6	7.81	28.05	15,526	5.75	0.04	

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1999 - 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)
W2	-13.11	5/9/18	1034	-2.09	0.25 Flood	2.75 85	59.7 837	0.07 1.0	207 5814	16.9	7.74	28.19	15,604	6.30	0.03	
W2	-13.11	8/20/18	1006	-1.96	0.37 Flood	3.27 101	61.7 864	0.34 4.7	211 5935	17.7	7.78	27.98	15,488	6.07	0.04	
W2	-13.11	10/24/18	953	-2.06	0.10 Low	2.37 73	61.7 864	0.01 0.1	212 5952	17.6	7.74	27.85	15,416	4.89	0.05	
W2	-13.11	2/7/19	947	-2.01	0.30 Ebb	2.96 92	73.3 1027	0.11 1.5	209 5874	17.8	7.59	29.43	16,290	6.66	0.07	
W2	-13.11	5/15/19	1149	-2.12	0.40 Flood	2.92 90	60.5 848	0.04 0.5	209 5876	17.0	7.60	28.65	15,859	6.26	0.05	
W2	-13.11	8/28/19	940	-2.17	0.05 Flood	2.70 84	57.8 809	0.32 4.5	208 5833	16.6	7.80	28.13	15,571	6.38	0.05	
W2	-13.11	10/10/19	1527	-1.67	0.55 High	2.72 84	49.9 699	0.10 1.4	215 6051	16.9	7.90	27.94	15,466	7.10	0.08	
W2	-13.11	1/31/20	1443	-2.06	0.07 Low	2.90 90	56.9 797	0.53 7.4	213 5976	16.9	7.83	31.21	17,276	6.82	0.02	
W2	-13.11	6/2/20	1427	-1.55	0.59 High	2.43 75	50.9 713	0.24 3.3	222 6248	18.0	7.97	28.81	15,947	6.39	0.07	
W2	-13.11	8/18/20	1015	-2.12	-0.02 Low	2.55 79	56.0 784	-0.03 -0.4	216 6053	18.2	7.79	25.90	14,336	6.36	0.10	
W2	-13.11	12/9/20	1203	-1.70	0.52 High	2.76 86	57.4 804	0.00 0	220 6166	17.9	7.77	28.58	15,820	6.14	0.13	
W2	-13.11	2/17/21	1437	-2.13	0.04 Low	2.60 81	57.0 798	0.35 4.9	203 5705	17.6	7.77	28.94	16,019	6.28	0.05	
W2	-13.11	4/14/21	1005	-2.23	-0.05 Low	2.66 82	54.5 763	0.14 2	189 5314	17.7	7.72	29.57	16,368	6.39	0.02	
W2	-13.11	7/6/21	1205	-1.99	0.42 Flood	2.79 86	56.1 786	0.09 1.3	194 5455	17.7	7.72	29.09	16,102	6.37	0.09	
W2	-13.11	11/5/21	1322	-2.16	0.30 Flood	2.77 86	50.2 703	0.21 3	196 5499	18.1	7.64	29.04	16,074	6.45	0.07	
W2	-13.11	2/4/22	1113	-2.05	0.04 Low	3.41 106	67.4 944	0.06 0.8	217 6097	17.3	7.78	28.21	15,615	6.45	0.08	
W2	-13.11	4/20/22	1009	-2.28	-0.05 Low	2.64 82	56.9 798	0.08 1.1	184 5173	16.8	7.81	28.88	15,986	6.57	0.07	
W2	-13.11	7/12/22	1015	-2.36	0.00 Flood	2.93 91	63.2 885	-0.33 -4.6	194 5460	16.8	7.85	24.24	13,417	6.40	0.07	
W2	-13.11	11/21/22	1425	-1.92	0.40 High	2.97 92	59.2 829	0.01 0.2	188 5282	17.0	7.82	27.83	15,405	6.53	0.19	
W2	-13.11	1/25/23	1213	-2.16	0.03 Low	3.01 93	65.3 915	0.14 2	197 5526	17.1	7.77	28.07	15,537	6.70	0.07	
W2	-13.11	4/25/23	1200	-2.31	0.02 Low	3.29 102	60.1 842	0.04 0.5	183 5146	16.7	7.82	28.24	15,632	6.71	0.04	
W2	-13.11	8/14/23	1217	-1.98	0.38 Flood	3.06 95	60.3 845	-0.03 -0.4	195 5482	16.8	7.83	27.60	15,277	6.65	0.42	
W2	-13.11	11/15/23	1046	-1.88	0.20 Low	3.08 95	65.6 920	0.00 0	180 5044	16.8	7.89	27.43	15,183	6.81	0.07	156.2
W2	-13.11	1/23/24	1210	-2.02	0.60 Flood	2.97 92	68.0 952	0.06 0.8	199 5578	16.8	7.87	27.55	15,250	6.92	0.33	132.1
W2	-13.11	5/3/24	1044	-2.05	0.25 Flood	2.86 89	61.1 856	-0.04 -0.5	190 5346	16.7	7.86	28.16	15,587	7.34	0.58	158.1
W2	-13.11	7/30/24	957	-1.88	0.40 Flood	2.58 80	60.0 841	0.20 2.8	188 5288	17.1	7.88	27.22	15,067	7.03	0.36	34.9
W2	-13.11	10/11/24	1411	-1.81	0.50 Ebb	3.03 94	87.8 1230	0.64 8.9	445 12511	16.6	7.91	27.53	15,239	7.35	0.58	145.5
W2	-13.11	1/9/25	959	-1.93	0.25 Flood	2.85 88	66.8 935	0.39 5.5	213 5979	15.8	7.78	26.99	14,940	7.47	0.06	210.6
W2	-13.11	5/13/25	1102	-2.14	0.00 Flood	2.68 83	60.1 842	0.09 1.2	196 5496	15.1	7.84	27.17	15,039	7.33	0.10	184.6
Mean				-2.01	0.26	2.25 70	50 695	0.21 3.0	242 6804	18.4	7.82	28.05	15,524	5.00	0.12	146.0
Std. Dev.				0.20	0.25	1.10 34	28 389	0.23 3.2	48 1355	0.9	0.11	0.82	454	1.12	0.14	55.5
Maximum				-1.55	1.60	4.93 153	137 1925	1.91 26.7	445 12511	21.2	8.24	34.44	19,063	7.77	0.63	210.6
Minimum				-2.36	-0.06	0.61 19	13 178	-0.33 -4.6	67 1883	15.1	7.00	24.24	13,417	3.17	0.02	34.9
n				99	100	306 306	306 306	306 306	300 300	305	305	306	306	305	86	7