

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1989 - 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)
W3	-17.37	6/27/89				1.54 48	24.8 347	0.51 7.1		21.0	7.773	25.220	13,960	4.27		
W3	-17.37	8/10/89	1305			1.51 47	27.6 387	0.58 8.1		20.5	7.618	25.104	13,896	5.42		
W3	-17.37	8/16/89	1400			1.57 49	27.6 387	0.67 9.4		20.5	7.631	25.107	13,897	5.42		
W3	-17.37	8/24/89	1045			1.55 48	27.6 387	0.58 8.1		20.0	7.756	25.159	13,926	4.47		
W3	-17.37	8/29/89	1005			1.58 49	28.1 394	0.58 8.1		20.6	7.704	24.889	13,777	4.70		
W3	-17.37	8/29/89	1005			1.57 49	28.1 394	0.70 9.8								
W3	-17.37	10/30/89	1016			1.51 47	29.1 408	0.01 0.1	380 10672	20.8	7.728	24.981	13,828	4.17		
W3	-17.37	11/16/89	941			1.61 50	29.9 419	0.06 0.8	370 10392	20.5	7.726	24.941	13,805	3.94		
W3	-17.37	12/12/89	950			1.44 45	31.1 436	0.46 6.4	404 11347	20.1	7.767	24.775	13,714	4.94		
W3	-17.37	1/11/90	1036			3.06 95	70.7 990	0.00 0.0	730 20502	21.7	7.726	24.763	13,707	4.43		
W3	-17.37	2/14/90	1340			1.55 48	28.1 394	0.27 3.8	375 10532	20.5	7.682	25.031	13,855	5.92		
W3	-17.37	3/7/90	1320			1.44 45	29.5 413	0.10 1.4	382	20.4	7.847	24.954	13,813	3.97		
W3	-17.37	4/2/90	1356			1.45 45	28.1 394	0.07 1.0	426 11964	20.9	7.904	25.177	13,936	4.04		
W3	-17.37	5/17/90	933			1.48 46	27.1 380	0.00 0.0	367 10307	20.6	7.841	25.331	14,021	4.73		
W3	-17.37	6/16/90	900			1.58 49	26.8 375	0.00 0.0	366 10279	20.9	7.904	25.513	14,122	3.81		
W3	-17.37	7/17/90	930			1.60 50	25.6 359	0.16 2.2	369 10364	20.8	7.899	25.882	14,326	3.73		
W3	-17.37	8/8/90	1020			1.29 40	26.7 374	0.21 2.9	363 10195	21.9	7.878	26.026	14,406	3.96		
W3	-17.37	9/5/90	939			1.63 50	25.7 360	0.14 2.0		20.7	7.878	26.018	14,402	3.96		
W3	-17.37	10/4/90	940			1.38 43	24.4 342	0.07 1.0	363 10195	20.8	7.877	26.048	14,418	3.58		
W3	-17.37	11/1/90	959			1.39 43	26.4 369	0.07 1.0	361 10125	20.8	7.867	26.273	14,543	3.76		
W3	-17.37	12/10/90	943			1.36 42	29.3 410	0.03 0.4	352 9886	20.8	7.880	25.721	14,237	3.74		
W3	-17.37	1/10/90	800			1.35 42	27.2 381	0.00 0.0	356 9998	20.7	7.874	26.065	14,428	3.84		
W3	-17.37	2/6/91	815			1.12 35	26.6 373	0.00 0.0	307 8622	20.8	7.870	25.446	14,085	3.65		
W3	-17.37	3/7/91	846			1.26 39	27.3 382	0.00 0.0	358 10055	20.5	7.881	25.492	14,110	3.77		
W3	-17.37	4/4/91	814			1.02 32	22.7 318	0.00 0.0	364 10223	20.5	7.883	25.600	14,170	3.79		
W3	-17.37	5/22/91	858			1.17 36	12.9 181	0.14 2.0	417 11712	21.6	7.883	25.680	14,215	3.67		
W3	-17.37	6/26/91	903			1.52 47	27.9 391	0.17 2.4	380 10672	20.6	7.880	25.421	14,071	3.78		
W3	-17.37	7/24/91	936			1.25 39	24.4 342	0.28 3.9	369 10364	18.0	7.879	25.715	14,234	3.71		
W3	-17.37	8/23/91	930			1.19 37	22.2 311	0.32 4.5	387 10869	20.5	7.823	25.758	14,258	3.64		
W3	-17.37	9/24/91	824			1.32 41	26.6 373	0.18 2.5	380 10672	20.5	7.840	25.423	14,072	3.77		
W3	-17.37	10/23/91	833			1.86 58	27.0 378	0.00 0.0	501 14071	20.5	7.864	25.664	14,206	3.73		
W3	-17.37	11/20/91	902			1.62 50	25.9 363	0.15 2.1	424 11908	20.5	7.862	25.441	14,082	3.76		
W3	-17.37	12/11/91	945			1.25 39	27.0 378	0.00 0.0	383 10757	20.5	7.873	25.369	14,042	3.74		
W3	-17.37	1/29/92	938			1.35 42	25.6 359	0.00 0.0	377 10588	20.6	7.882	25.174	13,934	3.83		

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 12/31/2005

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)
W3	-17.37	2/19/92	1008			1.41 44	28.8 403	0.02 0.3	357 10027	20.7	7.887	24.856	13,758	3.89		
W3	-17.37	3/17/92	919			1.34 42	29.0 406	0.00 0.0	380 10672	20.6	7.880	24.860	13,761	3.93		
W3	-17.37	4/8/92	909			1.37 42	28.9 405	0.31 4.3	378 10616	20.7	7.874	24.870	13,766	3.94		
W3	-17.37	5/6/92	922			1.33 41	28.2 395	0.21 2.9	400 11234	20.6	7.865	24.859	13,760	3.94		
W3	-17.37	6/23/92	921			1.35 42	28.2 395	0.33 4.6	405 11375	20.7	7.863	25.068	13,876	3.93		
W3	-17.37	7/29/92	906			1.29 40	28.3 396	ND 0.0	398 11178	20.7	7.843	24.839	13,749	3.91		
W3	-17.37	8/26/92	854			1.47 46	32.9 460	0.16 2.2	418 11740	20.7	7.851	24.681	13,662	3.90		
W3	-17.37	9/22/92	850			1.34 42	22.1 309	0.08 1.1	420 11796	20.7	7.863	24.918	13,793	3.85		
W3	-17.37	10/27/92	915			1.51 47	29.0 406	0.12 1.7	416 11684	20.2	7.861	24.931	13,800	3.89		
W3	-17.37	11/17/92	928			1.30 40	16.9 236	0.23 3.2	407 11431	20.2	7.874	24.961	13,817	3.91		
W3	-17.37	12/8/92	911			1.76 55	29.0 406	0.29 4.1	413 11599	20.1	7.870	24.748	13,699	3.92		
W3	-17.37	1/26/93	926			1.34 42	28.6 401	0.34 4.8	408 11462	20.6	7.891	24.617	13,626	3.94		
W3	-17.37	2/23/93	857			1.30 40	29.9 419	0.20 2.8	418 11740	20.5	7.897	24.769	13,710	3.92		
W3	-17.37	3/16/93	858			1.33 41	28.8 403	0.08 1.1	418 11751	20.5	7.887	24.848	13,754	3.94		
W3	-17.37	4/27/93	902			1.36 42	28.4 398	0.26 3.6	431 12113	20.6	7.879	24.953	13,812	3.92		
W3	-17.37	5/25/93	855			1.35 42	28.1 394	0.26 3.6	429 12046	20.6	7.871	24.943	13,807	3.88		
W3	-17.37	6/28/93	931			1.28 40	27.9 391	0.13 1.8	419 11768	20.7	7.864	25.089	13,887	3.92		
W3	-17.37	8/9/93	800			1.38 43	28.4 398	0.05 0.7	378 10602	20.9	7.850	24.854	13,757	4.02		
W3	-17.37	WELL SET RELOCATED														
W3	-17.37	6/21/94	853			0.89 28	19.3 271	2.26 31.7	305 8576	20.5	7.980	25.374	14,045	1.87		
W3	-17.37	8/23/94	919			1.05 33	19.3 270	0.36 5.0	376 10563	20.8	7.960	25.062	13,872	2.37		
W3	-17.37	10/25/94	940			1.14 35	22.1 309	0.55 7.7	333 9352	20.6	7.912	24.884	13,774	3.18		
W3	-17.37	11/28/94	1253			1.22 38	21.6 303	0.48 6.7	326 9142	20.8		24.966	13,819			
W3	-17.37	12/13/94	955			1.24 38	23.2 325	0.64 9.0	359 10086	20.7		25.125	13,907			
W3	-17.37	1/24/95	935			1.36 42	23.3 327	0.18 2.5	335 9414	20.4	7.891	25.080	13,882	3.42		
W3	-17.37	2/14/95	919			1.29 40	23.3 327	0.14 2.0	341 9583	20.6	7.894	25.208	13,953	3.37		
W3	-17.37	3/14/95	1007			1.27 39	23.4 328	0.18 2.5	342 9605	20.6	7.863	25.204	13,951	3.58		
W3	-17.37	4/25/95	1035			1.39 43	24.2 339	0.28 3.9	334 9389	20.4	7.881	24.898	13,782	3.67		
W3	-17.37	5/9/95	925			1.37 42	25.1 351	0.27 3.8	363 10206	20.6	7.854	24.902	13,784	3.51		
W3	-17.37	6/27/95	937			1.25 39	24.5 344	0.49 6.9	348 9777	20.7	7.868	24.993	13,834	3.61		
W3	-17.37	7/25/95	952			1.23 38	24.8 348	0.09 1.3	351 9852	20.6	7.857	25.077	13,881	3.53		
W3	-17.37	8/22/95	1043			1.27 39	23.1 324	0.34 4.8	355 9965	20.8	7.848	24.911	13,789	3.46		
W3	-17.37	9/12/95	812			1.30 40	25.5 357	0.23 3.2	358 10041	22.7	7.894	25.077	13,881	3.54		
W3	-17.37	10/17/95	956			1.35 42	25.3 355	0.24 3.4	364 10223	20.6	7.880	24.888	13,776	3.59		

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1996 - 12/31/2005

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)
W3	-17.37	11/7/95	917			1.40 43	24.5 343	0.43 6.0	347 9757	20.3	7.901	25.095	13,891	3.40		
W3	-17.37	12/6/95	927			1.35 42	25.4 356	0.36 5.0	354 9954	20.5	7.936	24.933	13,801	3.61		
W3	-17.37	1/30/96	1002			1.32 41	27.2 381	0.12 1.7	356 10010	20.4	7.934	24.953	13,812	3.67		
W3	-17.37	2/27/96	1014			1.38 43	25.6 359	0.17 2.4	354 9954	20.7	7.882	24.986	13,830	3.71		
W3	-17.37	3/13/96	1044			1.39 43	25.6 359	0.38 5.3	358 10052	20.8	7.853	24.860	13,761	3.76		
W3	-17.37	4/2/96	857			1.31 41	24.3 340	0.15 2.1	375 10540	20.8	7.864	25.056	13,869	3.72		
W3	-17.37	5/15/96	1011			1.38 43	25.2 353	0.12 1.7	371 10406	21.3	7.838	25.120	13,905	3.69		
W3	-17.37	6/18/96	923			1.40 43	25.1 351	0.10 1.4	362 10172	21.0	7.865	25.009	13,843	3.65		
W3	-17.37	7/17/96	956			1.38 43	25.5 357	0.12 1.7	357 10035	21.0	7.862	24.808	13,732	3.61		
W3	-17.37	8/6/96	1006			1.29 40	27.1 379	0.31 4.3	366 10291	21.2	7.852	24.585	13,608	3.82		
W3	-17.37	9/4/96	952			1.35 42	28.3 396	0.38 5.3	361 10132	21.0	7.864	24.540	13,584	3.83		
W3	-17.37	10/9/96	1005			1.31 41	27 376	0.27 3.8	373 10481	21.1	7.864	24.546	13,587	4.60		
W3	-17.37	11/6/96	952			1.36 42	27 381	0.25 3.5	366 10281	21.0	8.011	24.562	13,596	3.87		
W3	-17.37	12/17/96	949			1.35 42	27 373	0.27 3.8	353 9909	21.0	7.938	24.615	13,625	3.85		
W3	-17.37	1/14/97	1006			1.30 40	27 372	0.10 1.4	368 10330	21.1	7.879	24.519	13,572	3.90		
W3	-17.37	2/10/97	1135			1.50 46	27 373	0.25 3.5	369 10369	21.4	7.872	24.660	13,650	3.88		
W3	-17.37	3/10/97	1130			1.24 38	26 365	0.06 0.8	378 10616	21.3	7.877	24.834	13,746	4.27		
W3	-17.37	4/23/97	952			1.44 45	26 361	0.27 3.8	356 9990	20.8	7.887	24.920	13,794	3.60		
W3	-17.37	5/28/97	851			1.31 41	27 373	0.06 0.8	348 9760	20.7	7.900	24.927	13,798	3.78		
W3	-17.37	6/17/97	950			1.37 42	26 357	0.19 2.7	360 10119	20.4	7.913	24.940	13,805	3.84		
W3	-17.37	7/15/97	941			1.46 45	27 378	0.10 1.4	349 9802	20.3	7.921	24.775	13,714	3.77		
W3	-17.37	8/26/97	955			1.36 42	26.2 366	0.28 3.9	355 9976	20.7	7.987	24.784	13,719	3.73		
W3	-17.37	9/23/97	1159			1.39 43	26.6 373	0.25 3.5	347 9751	21.7	8.024	24.822	13,740	3.91		
W3	-17.37	10/15/97	918			1.40 43	26.6 373	0.24 3.4	363 10187	21.0	8.040	24.929	13,799	3.72		
W3	-17.37	11/4/97	1035			1.33 41	26.9 376	0.04 0.6	342 9600	20.7	8.050	24.997	13,836	3.89		
W3	-17.37	12/16/97	953			1.45 45	24.5 343	0.02 0.3	362 10170	20.3	8.027	25.211	13,955	3.77		
W3	-17.37	1/5/98	1231			1.40 43	26 360	0.08 1.1	351 9851	20.9	8.028	25.171	13,933	3.83		
W3	-17.37	2/3/98	1048			1.38 43	26 367	0.05 0.7	366 10279	20.8	8.015	25.128	13,909	3.84		
W3	-17.37	3/10/98	1106			1.46 45	25.2 353	0.10 1.4	356 9984	20.9	7.842	25.304	14,006	3.83		
W3	-17.37	4/14/98	932			1.48 46	25 354	0.03 0.4	357 10029	20.8	7.852	25.378	14,047	3.82		
W3	-17.37	5/12/98	1055			1.46 45	25.0 350	0.11 1.5	354 9928	21.1	7.862	25.565	14,151	3.82		
W3	-17.37	6/2/98	1048			1.38 43	25.2 353	0.05 0.7	356 9984	20.8	7.858	25.520	14,126	3.84		
W3	-17.37	7/14/98	1058			1.48 46	23.9 335	0.13 1.8	359 10069	21.1	7.837	25.670	14,209	3.71		
W3	-17.37	8/11/98	1117			1.42 44	24.7 346	0.13 1.8	354 9951	20.8	7.823	25.667	14,207	3.86		

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1999 - 12/31/2005

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)
W3	-17.37	9/15/98	1151			1.43 44	25.8 361	0.03 0.4	361 10147	20.7	7.821	25.359	14,037	3.85		
W3	-17.37	10/13/98	1025			1.42 44	25 350	0.05 0.7	393 11035	21.0	7.838	25.384	14,051	4.10		
W3	-17.37	11/4/98	1058			1.36 42	26 357	0.05 0.7	369 10369	21.0	7.852	25.409	14,065	3.81		
W3	-17.37	12/16/98	1038			1.31 41	24.7 346	0.07 1.0	352 9886	22.0	7.846	25.358	14,036	3.86		
W3	-17.37	1/12/99	1113			1.33 41	24.5 343	0.16 2.2	353 9917	20.9	7.847	25.516	14,124	3.88		
W3	-17.37	2/3/99	1101			1.34 42	25.2 353	0.09 1.3	352 9875	20.9	7.855	25.719	14,236	3.86		
W3	-17.37	3/2/99	1109			1.35 42	24.0 336	0.06 0.8	350 9833	20.7	7.837	25.859	14,314	4.28		
W3	-17.37	4/6/99	1059			1.34 42	23.8 333	0.06 0.8	362 10161	20.8	7.834	25.770	14,264	3.76		
W3	-17.37	5/4/99	1104			1.32 41	24.1 338	0.05 0.7	351 9850	20.7	7.831	25.791	14,276	3.85		
W3	-17.37	6/2/99	1048			1.39 43	23.7 332	0.12 1.7	347 9746	20.9	7.833	25.799	14,280	3.81		
W3	-17.37	7/7/99	1121			1.37 42	24.1 338	0.04 0.6	356 9984	21.0	7.832	25.705	14,228	3.90		
W3	-17.37	8/25/99	1054			1.29 40	24.7 346	0.04 0.6	355 9970	20.7	7.879	25.759	14,258	3.80		
W3	-17.37	9/8/99	1057			1.31 41	25.2 353	0.04 0.6	364 10232	20.7	7.890	25.695	14,223	3.72		
W3	-17.37	10/6/99	1102			1.45 45	25.3 354	0.06 0.8	344 9647	20.9	7.887	25.650	14,198	3.76		
W3	-17.37	11/3/99	1116			1.39 43	25.4 356	0.07 1.0	352 9883	20.8	7.900	25.454	14,089	3.79		
W3	-17.37	12/15/99	1133			1.40 43	24.8 347	0.09 1.3	355 9965	21.1	7.840	25.699	14,225	3.59		
W3	-17.37	1/11/00	1108			1.31 41	25.9 363	0.18 2.5	349 9810	20.8	7.853	25.616	14,179	3.84		
W3	-17.37	2/14/00	1125			1.40 43	24.3 340	0.17 2.4	343 9619	20.7	7.878	25.882	14,326	3.80		
W3	-17.37	3/22/00	1135			1.35 42	24.7 346	0.12 1.7	350 9838	20.8	7.892	26.045	14,417	3.67		
W3	-17.37	4/12/00	1118			1.37 42	24.6 345	0.11 1.5	354 9937	20.9	7.880	25.933	14,355	3.69		
W3	-17.37	5/17/00	1055			1.36 42	24.2 339	0.02 0.3	347 9746	20.8	7.880	25.975	14,378	3.72		
W3	-17.37	6/6/00	1133			1.34 42	23.7 332	0.03 0.4	347 9757	21.8	7.871	25.905	14,339	3.66		
W3	-17.37	7/31/00	1122			1.38 43	24.0 336	0.06 0.8	344 9673	20.8	7.886	26.017	14,401	3.75		
W3	-17.37	8/30/00	1127			1.37 42	24.8 347	0.03 0.4	344 9659	20.9	7.847	26.061	14,425	3.61		
W3	-17.37	9/6/00	1106			1.36 42	23.8 333	0.04 0.6	350 9838	21.1	7.840	26.092	14,443	3.67		
W3	-17.37	10/25/00	1043			1.37 42	23.0 322	0.16 2.2	358 10046	22.1	7.862	26.056	14,423	4.25		
W3	-17.37	11/14/00	1057			1.24 38	23.4 328	0.31 4.3	347 9740	22.2	7.860	25.943	14,360	3.73		
W3	-17.37	12/19/00	1048			1.32 41	25.1 352	0.18 2.5	362 10164	21.6	7.873	25.892	14,332	3.72		
W3	-17.37	1/24/01	1042			1.38 43	24.1 337	0.12 1.7	357 10035	21.4	7.929	26.081	14,437	3.52		
W3	-17.37	2/7/01	1111			1.30 40	24.5 343	0.05 0.7	353 9903	21.7	7.884	26.160	14,480	3.70		
W3	-17.37	3/12/01	1056			1.29 40	23.1 324	0.03 0.4	356 9996	22.8	7.837	26.166	14,484	3.95		
W3	-17.37	4/18/01	1048			1.38 43	24.7 346	0.04 0.6	360 10111	22.1	7.822	25.975	14,378	3.82		
W3	-17.37	5/14/01	924			2.20 68	24.2 339	0.17 2.4	359 10086	21.9	7.836	26.003	14,393	4.06		
W3	-17.37	6/13/01	1117			1.54 48	24.9 349	0.04 0.6	363 10192	22.4	7.845	25.889	14,330	4.39		

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 12/31/2005

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)
W3	-17.37	7/25/01	1025			1.44 45	24.8 347	0.05 0.7	361 10144	22.1	7.839	25.926	14,351	4.14		
W3	-17.37	8/20/01	1019			1.28 40	24.1 337	0.07 1.0	355 9956	22.1	7.850	25.860	14,314	4.18		
W3	-17.37	9/18/01	1057			1.28 40	24.8 348	0.12 1.7	352 9897	22.7	7.832	25.806	14,284	4.72		
W3	-17.37	10/9/01	1048			1.50 46	26.9 377	0.02 0.3	359 10069	22.6	7.833	25.324	14,017	4.39		
W3	-17.37	11/6/01	1015			1.36 42	27.9 390	0.06 0.8	360 10097	22.7	7.844	25.392	14,055	4.42		
W3	-17.37	12/18/01	1010			1.02 32	25.7 359	0.11 1.5	367 10302	21.8	7.842	25.456	14,091	4.29		
W3	-17.37	1/8/02	1024			1.38 43	25.8 361	0.29 4.1	358 10049	22.0	7.842	25.613	14,177	4.60		
W3	-17.37	2/27/02	1023			1.42 44	25.0 351	0.04 0.6	350 9824	22.0	7.847	25.995	14,389	4.65		
W3	-17.37	3/19/02	1030			1.32 41	25.1 352	0.14 2.0	355 9962	22.2	7.859	25.968	14,374	4.13		
W3	-17.37	4/9/02	1022			1.30 40	25.0 350	0.10 1.4	356 10004	22.3	7.826	25.984	14,383	4.04		
W3	-17.37	5/21/02	1025			1.24 38	23.8 333	0.04 0.6	350 9830	22.6	7.854	26.018	14,402	4.33		
W3	-17.37	6/18/02	1038			1.30 40	25.7 360	0.04 0.6	360 10111	22.6	7.844	25.787	14,274	4.43		
W3	-17.37	7/17/02	1016			1.38 43	26.0 364	0.02 0.3	358 10043	22.8	7.860	25.795	14,278	4.65		
W3	-17.37	8/22/02	1055			1.38 43	24.1 337	0.13 1.8	354 9942	23.4	7.841	25.972	14,376	4.26		
W3	-17.37	9/24/02	1036			1.34 42	25.6 358	0.17 2.4	362 10178	22.3	7.871	25.947	14,362	4.81		
W3	-17.37	10/16/02	1049			1.37 42	27.1 379	0.25 3.5	364 10212	22.7	7.859	25.614	14,178	4.26		
W3	-17.37	11/6/02	1034			1.41 44	28.5 399	0.19 2.7	359 10088	21.9	7.854	25.758	14,258	4.17		
W3	-17.37	12/19/02	1122			1.17 36	25.8 361	0.04 0.6	358 10043	22.0	7.861	25.738	14,247	4.15		
W3	-17.37	1/22/03	1112			1.50 46	23.9 335	0.03 0.4	360 10097	21.7	7.881	25.813	14,288	4.03		
W3	-17.37	2/20/03	1027			1.36 42	26.2 366	0.02 0.3	262 7358	21.5	7.892	25.771	14,265	4.47		
W3	-17.37	3/18/03	1013			1.40 43	22.0 308	0.02 0.3	370 10389	22.3	7.861	25.942	14,360	4.72		
W3	-17.37	4/29/03	1020			1.47 46	24.4 342	0.04 0.6	361 10139	22.8	7.899	25.914	14,344	4.99		
W3	-17.37	5/13/03	1047			1.51 47	23.6 330	0.05 0.7	364 10234	21.9	7.898	25.926	14,351	3.69		
W3	-17.37	6/5/03	1015			1.48 46	23.0 322	0.10 1.4	352 9878	22.3	7.884	25.953	14,366	3.87		
W3	-17.37	7/31/03	1035			1.39 43	24.6 344	0.31 4.3	357 10012	22.1	7.861	25.944	14,361	4.97		
W3	-17.37	8/27/03	1053			1.40 43	24.9 348	0.08 1.1	349 9813	22.1	7.854	25.827	14,296	4.95		
W3	-17.37	9/17/03	1020			1.52 47	25.4 355	0.03 0.4	362 10173	22.9	7.845	25.721	14,237	3.91		
W3	-17.37	10/7/03	1021			1.42 44	25.3 355	0.34 4.8	361 10125	22.6	7.849	25.761	14,259	NA		
W3	-17.37	11/4/03	1002			1.42 44	23.0 323	0.34 4.8	360 10105	22.7	7.866	25.641	14,193			
W3	-17.37	11/14/03	1138							22.8				3.90		
W3	-17.37	12/16/03	959			1.43 44	25.8 361	0.40 5.6	363 10181	22.8	7.854	25.541	14,138	3.98		
W3	-17.37	1/27/04	1020			1.39 43	26.2 367	0.61 8.5	358 10060	22.4	7.898	25.681	14,215	4.42		
W3	-17.37	2/10/04	1017			1.36 42	25.6 359	0.15 2.1	341 9563	22.3	7.850	25.789	14,275	4.03		
W3	-17.37	3/15/04	1021			1.52 47	26.3 368	0.04 0.6	363 10181	22.8	7.877	25.650	14,198	3.56		

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 12/31/2005

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)
W3	-17.37	4/21/04	932			1.37 42	26.9 376	0.15 2.1	362 10153	21.6	7.866	25.591	14,165	5.27		
W3	-17.37	5/12/04	927			1.46 45	26.0 364	0.16 2.2	361 10144	22.5	7.879	24.95	13,810	5.24		
W3	-17.37	6/7/04	1002			1.38 43	26.5 371	0.12 1.7	355 9973	22.8	7.851	24.90	13,783	4.70		
W3	-17.37	7/8/04	1032			1.44 45	25.9 362	0.20 2.8	368 10338	21.8	7.882	24.76	13,705	3.96		
W3	-17.37	8/24/04	1005			1.40 43	27.1 379	0.19 2.7	358 10063	22.2	7.870	24.59	13,611	3.94		
W3	-17.37	9/28/04	1015			1.32 41	26.2 367	0.16 2.2	361 10128	22.1	7.842	24.81	13,733	3.85		
W3	-17.37	10/5/04	1105			1.38 43	27.8 389	0.21 2.9	359 10094	22.3	7.869	24.61	13,622	3.94		
W3	-17.37	11/8/04	1006			1.40 43	25.6 358	0.23 3.2	357 10018	22.2	7.871	24.34	13,473	3.96		
W3	-17.37	12/7/04	1007			1.42 44	27.6 387	0.16 2.2	360 10097	22.2	7.902	24.45	13,534	3.94		
W3	-17.37	1/11/05	950			1.34 42	25.8 361	0.16 2.2	376 10557	22.6	7.943	25.572	14,155	4.46		
W3	-17.37	2/8/05	955			1.36 42	27.2 380	0.16 2.2	356 10001	22.6	7.942	25.714	14,233	4.02		
W3	-17.37	3/16/05	1043			1.32 41	28.7 401	0.29 4.1	353 9900	21.9	7.920	25.775	14,267	4.04		
W3	-17.37	4/18/05	1046			1.46 45	26.6 373	0.19 2.7	362 10175	22.9	7.904	25.672	14,210	3.69		
W3	-17.37	5/24/05	1003			1.32 41	26.3 368	0.21 2.9	347 9734	22.8	7.855	25.878	14,324	4.14		
W3	-17.37	6/13/05	1024			1.38 43	26.2 366	0.14 2.0	357 10018	22.9	7.875	25.669	14,208	3.94		
W3	-17.37	7/11/05	1025			1.52 47	25.5 357	0.18 2.5	359 10080	22.2	7.869	25.751	14,254	5.94		
W3	-17.37	8/10/05	940			1.42 44	25.9 363	0.16 2.2	356 10010	22.9	7.891	25.674	14,211	3.86		
W3	-17.37	9/21/05	933			1.38 43	26.3 369	0.06 0.8	350 9838	22.8	7.893	25.615	14,179	3.90		
W3	-17.37	10/18/05	958			1.42 44	25.7 361	0.13 1.8	351 9869	22.7	7.893	25.791	14,276	3.96		
W3	-17.37	11/3/05	943			1.40 43	26.0 364	0.26 3.6	353 9920	22.5	7.904	25.903	14,338	3.96		
W3	-17.37	12/21/05	1030			1.42 44	20.3 284	0.24 3.4	361 10125	22.6	7.896	25.876	14,323	4.63		
W3	-17.37	1/24/06	937			1.40 43	24.8 348	0.31 4.3	356 10001	21.9	7.871	26.053	14,421	3.96		
W3	-17.37	2/15/06	935			1.39 43	27.4 384	0.21 2.9	352 9892	22.2	7.880	25.972	14,376	3.94		
W3	-17.37	3/21/06	928			1.34 42	25.7 360	0.17 2.4	354 9942	21.9	7.883	26.208	14,507	3.81		
W3	-17.37	4/26/06	943			1.35 42	23.4 328	0.05 0.7	345 9689	21.3	7.892	26.284	14,549	3.86		
W3	-17.37	5/23/06	1013			1.35 42	25 350	0.09 1.3	350 9830	22.3	7.903	26.195	14,500	4.27		
W3	-17.37	6/27/06	1011			1.52 47	25.8 361	0.14 2.0	355 9970	21.1	7.855	26.296	14,556	3.64		
W3	-17.37	7/18/06	1009			1.35 42	24.8 347	0.14 2.0	347 9746	21.7	7.871	26.141	14,470	3.89		
W3	-17.37	8/8/06	949			1.34 42	24.0 336	0.05 0.7	356 9998	22.2	7.887	26.396	14,611	3.84		
W3	-17.37	9/19/06	1046			1.35 42	24.5 343	0.07 1.0	354 9942	22.0	7.850	26.186	14,495	3.88		
W3	-17.37	10/24/06	1025			1.32 41	24.7 346	0.38 5.3	353 9914	21.3	7.888	26.154	14,477	4.56		
W3	-17.37	11/28/06	1004			1.35 42	25.7 360	0.28 3.9	353 9914	21.3	7.875	25.875	14,322	3.81		
W3	-17.37	12/12/06	956			1.38 43	24.9 349	0.22 3.1	348 9774	21.0	7.867	25.875	14,322	3.75		
W3	-17.37	1/9/07	1024			1.42 44	25.0 350	0.28 3.9	348 9774	20.8	7.900	25.935	14,356	3.89		

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 12/31/2005

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)
W3	-17.37	2/22/07	1010			1.38 43	25.8 361	0.32 4.5	356 9998	21.4	7.879	26.033	14,410	3.81		
W3	-17.37	3/6/07	1035			1.36 42	26.1 366	0.37 5.2	353 9914	22.0	7.894	26.183	14,493	3.82		
W3	-17.37	4/11/07	1157			1.34 42	26.7 374	0.22 3.1	366 10279	21.7	7.882	25.955	14,367	3.71		
W3	-17.37	5/3/07	1010			1.37 42	26.0 364	0.24 3.4	357 10027	21.6	7.892	26.015	14,400	3.67		
W3	-17.37	6/19/07	945			1.42 44	25.6 358	0.28 1.4	368 10335	21.6	7.919	25.953	14,366	3.89		
W3	-17.37	7/26/07	1115	-5.82	0.37 Flood	1.15 36	27.7 388	0.04 0.5	352 9899	20.7	7.77	25.80	14,281	3.56		
W3	-17.37	8/28/07	1038	-5.39	0.00 Low	1.49 46	28.7 401	0.04 0.5	409 11479	20.8	7.73	25.72	14,237	3.54		
W3	-17.37	9/13/07	1248	-5.26	0.15 Low	1.37 42	24.6 344	2.98 41.8	371 10412	21.0	7.85	25.86	14,314	3.51		
W3	-17.37	10/24/07	1215	-5.26	0.30 Flood	1.10 34	28.5 399	1.40 19.5	347 9745	21.2	7.88	25.85	14,309	3.38		
W3	-17.37	11/26/07	1504	-4.52	0.09 Flood	1.24 38	27.4 384	0.08 1.1	348 9767	21.0	7.82	25.94	14,358	3.40		
W3	-17.37	12/20/07	1141	-5.46	0.23 High	1.34 42	28.3 396	0.70 9.8	345 9694	20.7	7.88	25.48	14,104	3.50		
W3	-17.37	1/28/08	1517	-6.10	0.06 Low	1.01 31	15.5 217	0.06 0.8	244 6862	21.2	7.73	25.95	14,364	3.33		
W3	-17.37	2/27/08	1256	-4.83	0.06 Low	1.37 42	27.1 380	0.21 3.0	335 9406	20.8	7.70	25.86	14,314	3.65		
W3	-17.37	3/20/08	1238	-5.51	0.12 Flood	1.08 33	26.3 369	0.06 0.8	309 8686	21.2	7.76	25.95	14,364	3.29		
W3	-17.37	4/28/08	1211	-5.59	0.18 High	1.06 33	27.3 382	0.19 2.6	331 9287	21.3	7.75	25.84	14,303	3.72		
W3	-17.37	5/29/08	1036		0.30 Flood	1.12 35	27.2 382	0.12 1.7	341 9564	21.5	7.78	25.86	14,314	3.58		
W3	-17.37	6/19/08	1115	-5.64	0.21 Ebb	1.09 34	25.7 360	0.61 8.5	331 9286	21.6	7.66	26.04	14,414	3.35	1.21	
W3	-17.37	7/24/08	1035	-5.56	0.46 Ebb	1.28 40	29.2 408	0.79 11.1	323 9071	20.6	7.68	25.81	14,287	3.89		
W3	-17.37	8/30/08	1105		0.06 Flood	1.11 34	24.7 346	0.26 3.7	331 9290	20.9	7.78	25.99	14,386	3.59		
W3	-17.37	9/18/08	958	-5.52	0.34 Ebb	0.96 30	18.6 261	0.42 5.9	203 5700	21.7	7.65	26.06	14,425	3.81	0.39	
W3	-17.37	10/28/08	849	-5.74	0.24 Ebb	1.19 37	25.8 362	0.34 4.7	325 9140	22.7	7.47	25.73	14,242	3.41	5.01	
W3	-17.37	11/13/08	1003	-5.73	0.15 Ebb	1.04 32	24.9 348	0.31 4.4	313 8794	23.2	7.73	25.67	14,209	3.59	5.06	
W3	-17.37	12/15/08	1050	-5.63	0.37 Ebb	1.43 44	29.0 406	0.11 1.5	337 9458	22.1	7.99	25.32	14,015	3.94		
W3	-17.37	1/21/09	1000	-5.89	0.12 Low	1.18 36	28.5 399	0.06 0.9	326 9160	22.9	8.01	25.69	14,220	3.67	0.62	
W3	-17.37	2/23/09	1539	-5.76	0.37 High	1.10 34	30.1 421	0.90 12.6	354 9946	21.9	7.76	24.92	13,794	3.86	0.68	
W3	-17.37	3/16/09	843	-5.85	0.18 High	1.21 38	25.5 357	0.13 1.8	333 9360	22.4	7.82	25.27	13,988	3.70	0.28	
W3	-17.37	4/20/09	1423	-5.75	0.40 High	1.69 52	29.1 408	0.73 10.2	296 8310	24.1	7.71	25.90	14,336	3.64	2.09	
W3	-17.37	5/27/09	734	-5.83	0.15 High	1.42 44	26.6 373	0.33 4.6	362 10177	20.7	8.10	25.89	14,331	3.28	0.15	
W3	-17.37	6/18/09	1043	-5.78	0.40 Flood	1.68 52	27.3 382	0.49 6.9	147 4116	20.9	7.81	25.74	14,248	3.66	0.24	
W3	-17.37	7/14/09	850	-5.77	0.37 Flood	1.41 44	24.2 340	0.27 3.8	168 4708	20.6	7.21	25.86	14,314	3.54	0.07	
W3	-17.37	8/19/09	910	-5.93	0.03 Low	1.63 51	26.8 376	0.55 7.7	325 9133	20.9	7.19	25.95	14,364	3.76	0.56	
W3	-17.37	9/22/09	932	-5.55	0.46 Ebb	1.55 48	23.5 329	0.46 6.5	210 5903	20.9	8.27	25.81	14,287	3.63	0.09	
W3	-17.37	10/22/09	1410	-5.88	0.18 Ebb	1.39 43	19.4 271	0.87 12.2	137 3859	20.9	7.89	26.10	14,447	3.81	0.13	
W3	-17.37	11/16/09	1503	-5.87	0.21 High	1.62 50	25.7 360	0.87 12.2	299 8406	20.8	7.86	26.20	14,502	3.50	0.07	

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 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)
W3	-17.37	12/7/09	1355	-5.92	0.09 Ebb	1.58 49	22.6 317	0.61 8.6	306 8582	21.6	7.80	25.75	14,253	3.70	0.11	
W3	-17.37	1/5/10	1123	-5.65	0.21 Ebb	1.61 50	28.1 393	2.00 28.0	343 9647	21.5	7.83	25.58	14,159	4.06	0.70	
W3	-17.37	2/1/10	1151	-5.87	-0.09 Low	1.58 49	31.0 434	0.86 12.0	302 8493	21.4	7.89	25.65	14,198	3.72	0.43	
W3	-17.37	3/9/10	1146	-5.90	0.15 High	2.07 64	38.0 532	0.29 4.0	430 12073	21.3	7.88	22.20	12,288	3.43	0.16	
W3	-17.37	4/6/10	1100	-5.92	0.15 High	2.03 63	29.0 406	0.29 4.0	353 9928	22.0	7.86	25.70	14,226	3.78	0.56	
W3	-17.37	5/11/10	1127	-5.90	0.21 Flood	1.39 43	25.6 359	1.36 19.0	327 9171	22.9	7.93	25.13	13,910	3.97	0.07	
W3	-17.37	6/15/10	1216	-6.03	0.06 Low	1.39 43	25.5 357	0.57 8.0	346 9715	20.3	7.90	25.61	14,176	4.73	0.09	
W3	-17.37	7/13/10	1128	-5.97	0.00 Low	1.45 45	28.8 403	0.64 9.0	389 10913	20.6	7.88	24.81	13,733	3.88	0.13	
W3	-17.37	8/3/10	1110	-5.52	0.55 High	1.52 47	28.1 394	0.21 3.0	379 10635	22.0	7.91	25.36	14,037	3.60	0.46	
W3	-17.37	9/14/10	1110	-5.48	0.52 Ebb	1.45 45	29.8 417	0.33 4.6	406 11398	20.4	7.87	24.90	13,783	4.00	0.32	
W3	-17.37	10/12/10	1120	-5.52	0.46 Ebb	1.42 44	27.8 389	0.16 2.3	391 10977	20.4	7.88	25.36	14,037	3.75	0.13	
W3	-17.37	11/16/10	1035	-5.66	0.34 Flood	1.52 47	29.8 417	0.17 2.4	400 11244	20.5	7.89	24.98	13,827	3.75	0.07	
W3	-17.37	12/14/10	1116	-5.63	0.34 Ebb	1.55 48	31.1 435	0.34 4.7	409 11474	20.6	7.87	24.04	13,307	3.95	0.03	
W3	-17.37	1/4/11	1105	-5.83	0.03 Low	1.61 50	30.8 431	0.26 3.7	405 11372	20.5	7.82	24.89	13,777	3.74	0.10	
W3	-17.37	4/5/11	1132	-5.97	-0.03 Low	1.71 53	28.6 400	0.03 0.4	379 10640	20.5	7.89	24.77	13,711	3.40	0.15	
W3	-17.37	7/12/11	1118	-5.90	0.30 Flood	1.49 46	27.4 384	0.09 1.3	374 10500	20.5	7.82	25.57	14,154	3.71	0.03	
W3	-17.37	10/11/11	1119	-5.90	0.15 Flood	1.36 42	25.3 355	0.19 2.6	354 9929	20.6	7.82	26.11	14,453	3.81	0.12	
W3	-17.37	1/10/12	1118	-5.91	0.03 Ebb	1.39 43	27.3 383	0.19 2.6	375 10540	20.6	7.83	25.64	14,192	3.76	0.16	
W3	-17.37	5/1/12	1136	-5.67	0.34 Flood	1.65 51	27.3 383	0.13 1.8	381 10707	20.6	7.84	25.83	14,298	3.72	0.07	
W3	-17.37	7/18/12	1030	-5.99	0.03 Flood	1.45 45	27.4 384	0.31 4.4	369 10372	20.7	7.93	26.09	14,441	3.75	0.31	
W3	-17.37	10/16/12	1116	-5.88	0.09 Low	1.42 44	27.5 385	0.14 1.9	367 10321	20.8	7.79	26.10	14,447	3.60	0.24	
W3	-17.37	1/8/13	1139	-5.81	0.18 Flood	1.65 51	29.5 413	0.31 4.4	415 11661	20.8	7.78	25.83	14,298	3.71	0.25	
W3	-17.37	4/9/13	1123	-5.98	0.00 Flood	1.65 51	26.0 364	0.36 5.1	362 10158	21.1	7.85	26.11	14,453	3.59	0.64	
W3	-17.37	7/17/13	1237	-5.61	0.61 High	1.42 44	24.6 345	0.15 2.1	363 10202	21.0	7.75	26.11	14,453	3.84	0.10	
W3	-17.37	10/15/13	1100	-5.71	0.37 Flood	1.29 40	27.8 389	0.25 3.5	352 9882	21.0	7.82	26.33	14,574	3.78	0.46	
W3	-17.37	1/15/14	1102	-5.87	0.03 Low	1.61 50	27.8 389	0.34 4.8	354 9941	20.9	7.90	26.20	14,502	3.80	0.28	
W3	-17.37	4/29/14	1201	-6.01	0.12 Flood	1.39 43	26.1 366	0.31 4.4	341 9571	21.0	7.81	26.21	14,508	3.96	0.36	
W3	-17.37	7/29/14	1141	-5.91	0.12 Low	1.52 47	25.4 356	0.14 2.0	355 9973	20.8	7.78	26.28	14,547	3.99	0.18	
W3	-17.37	11/5/14	1135	-5.74	0.17 Flood	1.65 51	27.6 387	0.30 4.2	340 9547	21.1	7.85	25.93	14,353	3.91	0.24	
W3	-17.37	2/11/15	1101	-5.70	0.18 Ebb	1.93 59.8	33.1 464	0.46 6.5	408 11470	20.6	7.78	25.97	14,375	3.69	0.35	
W3	-17.37	5/20/15	1226	-6.00	0.00 Flood	1.58 48.8	28.5 400	0.31 4.3	324 9111	21.0	7.88	25.79	14,275	3.76	1.36	
W3	-17.37	7/22/15	1008	-5.73	0.34 Ebb	1.54 47.6	27.1 379	0.19 2.6	339 9518	21.5	7.71	26.79	14,829	3.78	0.09	
W3	-17.37	11/9/15	1520	-5.64	0.40 Ebb	1.83 56.6	29.8 417	0.09 1.2	349 9794	20.9	7.76	25.40	14,060	4.06	0.04	
W3	-17.37	1/27/16	1321	-5.92	0.08 Low	1.53 47.3	35.9 502	0.16 2.2	325 9133	20.8	7.79	25.63	14,187	3.72	0.11	

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 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)
W3	-17.37	4/22/16	1033	-5.81	-0.05 Low	1.87 57.9	38.9 545	0.30 4.2	335 9395	20.8	7.75	25.97	14,375	3.96	0.13	
W3	-17.37	7/27/16	938	-5.66	0.20 Flood	1.42 43.9	30.9 432	0.06 0.9	319 8958	20.7	7.75	25.65	14,198	3.69	0.02	
W3	-17.37	11/10/16	1040	-5.71	0.50 Flood	1.59 49.4	26.5 372	0.51 7.2	302 8480	21.2	7.65	25.67	14,209	3.73	0.08	
W3	-17.37	3/22/17	1335	-5.67	0.25 High	1.62 50.2	27.6 387	0.19 2.7	369 10368	20.9	7.89	25.81	14,287	3.70	0.13	
W3	-17.37	4/19/17	1227	-5.72	0.17 Ebb	1.47 45.6	26.6 372	0.23 3.2	360 10125	21.3	7.79	26.00	14,392	2.87	0.12	
W3	-17.37	8/8/17	1047	-5.88	-0.04 Low	1.39 42.9	23.1 324	0.06 0.9	358 10041	21.0	7.80	26.44	14,635	3.20	0.08	
W3	-17.37	10/18/17	1301	-5.71	0.50 Flood	1.56 48.2	27.8 389	0.27 3.8	344 9660	21.0	7.78	25.71	14,231	3.73	0.08	
W3	-17.37	1/18/18	1020	-5.64	0.15 Ebb	1.38 42.6	27.0 378	0.19 2.6	336 9449	20.8	7.75	25.87	14,320	3.52	0.05	
W3	-17.37	5/10/18	1035	-5.85	0.25 Flood	1.56 48.2	27.1 380	0.12 1.7	352 9888	19.7	7.78	30.11	16,667	3.92	0.11	
W3	-17.37	8/13/18	1610	-5.68	0.46 Flood	1.58 48.8	25.1 351	0.20 2.8	354 9941	22.2	7.77	25.81	14,287	3.67	0.15	
W3	-17.37	10/25/18	1101	-5.74	0.12 Low	1.32 40.8	26.5 371	0.01 0.2	338 9487	21.9	7.78	25.97	14,375	3.90	0.09	
W3	-17.37	2/8/19	956	-5.67	0.20 Ebb	1.64 50.8	34.0 476	0.02 0.3	352 9894	21.0	7.64	26.04	14,414	4.11	0.08	
W3	-17.37	5/15/19	1442	-5.60	0.52 High	1.75 54.1	27.8 389	0.09 1.3	344 9663	20.8	7.68	26.39	14,608	3.73	0.02	
W3	-17.37	8/28/19	1413	-5.43	0.70 High	1.79 55.3	27.7 388	0.21 2.9	341 9590	21.0	7.81	25.80	14,281	3.94	0.08	
W3	-17.37	10/11/19	1010	-5.76	0.15 Flood	1.66 51.5	22.1 310	0.50 7.0	300 8412	20.9	7.93	25.98	14,381	3.94	0.13	
W3	-17.37	2/4/20	1108	-5.78	0.25 High	1.83 56.8	29.6 414	-0.61 -8.5	335 9414	20.7	7.90	26.21	14,508	3.76	0.08	
W3	-17.37	6/3/20	1141	-5.70	0.35 Flood	1.77 54.9	28.5 400	0.24 3.3	356 10009	21.2	7.68	26.52	14,680	3.68	0.54	
W3	-17.37	8/18/20	1431	-5.45	0.60 Flood	1.82 56.4	30.8 431	0.12 1.7	359 10092	20.9	7.80	22.98	12,720	3.65	0.02	
W3	-17.37	12/10/20	953	-5.63	0.40 Flood	1.74 53.8	30.3 425	0.05 0.7	329 9253	21.0	7.75	26.38	14,602	3.85	0.18	
W3	-17.37	2/18/21	1002	-5.63	0.25 Ebb	1.37 42.5	27.7 387	0.13 1.8	316 8872	20.9	7.74	26.37	14,596	3.90	0.05	
W3	-17.37	4/15/21	1007	-5.83	-0.02 Low	1.38 42.8	29.1 408	0.13 1.8	352 9882	21.0	7.67	26.70	14,779	3.84	0.08	
W3	-17.37	7/6/21	1019	-5.93	0.20 Flood	1.55 48	29.0 407	0.09 1.2	325 9115	21.1	7.69	26.36	14,591	3.87	0.07	
W3	-17.37	11/8/21	1049	-5.54	0.35 Ebb	1.52 47.2	29.1 407	0.36 5.0	347 9758	21.4	7.65	26.10	14,447	3.91	0.12	
W3	-17.37	2/8/22	1012	-5.70	0.25 Ebb	2.84 87.9	33.1 464	0.04 0.6	385 10808	20.8	7.70	25.80	14,281	3.99	0.03	
W3	-17.37	4/21/22	1011	-5.92	0.08 Ebb	1.12 34.6	27.7 387	0.06 0.9	354 9934	20.8	7.68	26.05	14,419	3.94	0.07	
W3	-17.37	7/12/22	1138	-6.00	0.30 Flood	1.49 46.3	30.5 428	-0.35 -4.9	342 9599	20.8	7.71	25.79	14,275	3.95	0.09	
W3	-17.37	11/21/22	1211	-5.74	0.40 High	1.41 43.8	29.8 417	0.03 0.4	311 8721	20.9	7.78	25.58	14,159	4.00	0.42	
W3	-17.37	1/25/23	1429	-5.93	0.10 Flood	1.42 43.9	30.5 428	0.09 1.2	336 9439	20.7	7.71	25.76	14,259	3.99	0.20	
W3	-17.37	4/25/23	1028	-5.94	0.03 Low	1.74 53.8	30.9 433	0.04 0.5	334 9376	20.8	7.74	25.97	14,375	3.97	0.12	
W3	-17.37	8/14/23	1057	-5.84	0.20 Flood	3.59 111.1	99.0 1387	-0.07 -1.0	634 17809	20.8	7.72	25.60	14,170	4.02	1.17	
W3	-17.37	11/16/23	956	-5.40	0.40 Low	1.39 43.1	30.9 432	-0.03 -0.4	316 8888	20.8	7.77	25.27	13,988	4.07	0.22	144.9
W3	-17.37	1/23/24	1515	-5.71	0.80 High	1.40 43.5	30.5 427	-0.01 -0.2	326 9156	20.6	7.77	25.35	14,032	4.04	0.40	136.9
W3	-17.37	5/3/24	1218	-5.70	0.37 High	1.17 36.2	30.2 423	-0.05 -0.7	320 8981	20.7	7.77	25.49	14,109	4.03	1.13	150.1
W3	-17.37	7/31/24	1031	-5.73	0.35 Flood	1.40 43.3	32.2 451	0.19 2.6	327 9170	20.8	7.77	25.34	14,026	4.09	0.08	120.6

NELHA Water Quality Laboratory

Well 3 Data Table

6/27/1990 - 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)
W3	-17.37	12/10/24	1352	-5.58	0.30 Ebb	1.38 42.6	30.8 431	0.20 2.8	314 8822	20.8	7.79	25.44	14,082	4.12	0.08	173.5
W3	-17.37	1/9/25	1218	-5.65	0.30 High	1.47 45.4	33.9 475	0.26 3.6	324 9108	20.7	7.79	25.44	14,082	4.15	0.10	153.2
W3	-17.37	5/13/25	1515	-5.54	0.60 High	1.37 42.5	32.7 458	0.09 1.3	323 9070	20.7	7.79	25.43	14,076	4.17	0.27	149.6
W3	-17.37	7/29/25	1154	-5.61	0.14 Low	1.44 44.5	31.9 446	0.01 0.2	328 9206	20.9	7.75	25.54	14,137	4.17	0.16	149.1
W3	-17.37	12/17/25	1208	-5.69	0.30 High	1.61 49.72	29.8 417	0.00 0.0	853 23957	20.8	7.77	25.38	14,048	4.19	0.42	188.8
Mean				-5.72	0.24	1.43 44	27 375	0.22 3.1	358 10058	21.2	7.84	25.55	14,141	3.90	0.37	151.9
Std. Dev.				0.23	0.18	0.24 8	6 79	0.30 4.2	53 1494	0.8	0.10	0.61	337	0.41	0.79	19.7
Maximum				-4.52	0.80	3.59 111	99 1387	2.98 41.8	853 23957	24.1	8.27	30.11	16,667	5.94	5.06	188.8
Minimum				-6.10	-0.09	0.89 28	13 181	-0.61 -8.5	137 3859	18.0	7.19	22.20	12,288	1.87	0.02	120.6
n				100	102	309 309	309 309	308 309	302 301	309	306	308	308	305	88	9