NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m) (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	7/3/89				3.74	116	88.6	1241	0.19	2.7			20.9	7.89	7.200	3,985	7.89		
W1	-36.58	8/11/89	923			3.49	108	60.8	852	0.06	0.8			19.9	7.82	6.920	3,830	7.27		
W1	-36.58	8/16/89	1115			3.26	101	49.5	693	0.06	0.8			19.8	7.80	6.555	3,628	6.52		
W1	-36.58	8/23/89	1335			3.49	108	60.7	850	0.06	0.8			20.0	7.85	7.181	3,975	6.54		
W1	-36.58	8/30/89	1430			3.66	113	67.5	945	0.06	0.8			20.1	7.81	7.261	4,019	7.90		
W1	-36.58	8/30/89	1430			3.72	115	67.5	945	0.06	0.8							NA		
W1	-36.58	10/31/89	840			3.72	115	90.0	1261	0.06	0.8	740	20783	20.0	7.75	7.156	3,961	7.83		
W1	-36.58	11/16/89	705			3.71	115	87.3	1223	0.00	0.0	713	20025	20.1	7.70	7.862	4,352	7.70		
W1	-36.58	12/13/89	930			3.81	118	91.3	1279	0.05	0.7	735	20643	19.6	7.76	7.013	3,882	8.13		
W1	-36.58	1/10/90	1142			3.62	112	82.4	1154	0.01	0.1	756	21233	20.5	7.91	6.792	3,760	7.77		
W1	-36.58	2/14/90	850			3.73	116	79.9	1119	0.09	1.3	774	21738	19.9	7.82	7.008	3,879	7.96		
W1	-36.58	3/6/90	1110			3.42	106	91.5	1282	0.03	0.4	722	20278	20.0	7.93	6.412	3,549	7.86		
W1	-36.58	4/2/90	1315			3.45	107	88.1	1234	0.44	6.2	775	21766	20.8	8.03	6.041	3,344	7.67		
W1	-36.58	5/16/90	1446			3.51	109	86.3	1209	0.00	0.0	689	19351	19.5	7.92	6.476	3,585	7.64		
W1	-36.58	6/6/90	1447			3.66	113	79.3	1111	0.17	2.4	683	19182	20.0	7.96	7.462	4,130	7.54		
W1	-36.58	7/12/90	1412			3.98	123	83.0	1163	0.02	0.3	700	19660	20.3	7.95	6.680	3,698	7.52		
W1	-36.58	8/7/90	1351			3.20	99	83.9	1175	0.11	1.5	690	19379	20.4	7.95	7.026	3,889	7.58		
W1	-36.58	9/6/90	1157			3.04	94	84.7	1186	0.00	0.0			20.4	7.93	6.835	3,783	7.58		
W1	-36.58	10/3/90	1205			3.54	110	81.6	1143	0.00	0.0	690	19379	20.4	7.95	6.950	3,847	7.53		
W1	-36.58	10/31/90	1400			3.36	104	81.9	1147	0.19	2.7	673	18902	20.4	7.94	7.276	4,028	7.53		
W1	-36.58	12/7/90	1123			3.37	104	83.2	1165	0.08	1.1	682	19154	20.3	7.94	7.289	4,034	7.39		
W1	-36.58	1/10/91	1020			3.79	117	90.6	1269	0.28	3.9	697	19576	21.5	7.96	6.640	3,675	7.42		
W1	-36.58	2/6/91	712			3.48	108	76.2	1067	0.13	1.8	645	18115	19.9	7.96	6.242	3,455	7.54		
W1	-36.58	3/6/91	1050			3.47	107	94.1	1318	0.04	0.6	756	21233	20.4	7.96	6.222	3,444	8.02		
W1	-36.58	4/2/91	903			3.38	105	88.7	1242	0.35	4.9	683	19182	20.1	7.94	6.552	3,627	7.61		
W1	-36.58	5/21/91	1102			3.50	108	79.1	1108	0.00	0.0	719	20193	20.0	7.92	7.038	3,896	7.28		
W1	-36.58	6/25/91	1027			3.49	108	73.6	1031	0.00	0.0	714	20053	20.3	7.94	6.626	3,668	7.75		
W1	-36.58	7/23/91	1117			2.63	81	74.3	1041	0.00	0.0	689	19351	17.6	7.93	6.984	3,866	7.75		
W1	-36.58	8/22/91	1028			2.93	91	87.8	1230	0.00	0.0	700	19660	20.2	7.94	6.823	3,777	7.85		
W1	-36.58	9/23/91	1112			3.65	113	92.4	1294	0.15	2.1	662	18593	20.6	7.91	6.837	3,784	7.80		
W1	-36.58	10/22/91	919			3.21	99	82.9	1161	0.00	0.0	942	26457	20.0	7.91	7.148	3,957	7.63		
W1	-36.58	11/20/91	1118			4.03	125	79.3	1111	0.00	0.0	803	22553	20.2	7.91	7.021	3,886	7.76		
W1	-36.58	12/10/91	1109			3.34	103	85.2	1193	0.00	0.0	703	19744	20.3	7.92	7.268	4,023	7.69		
W1	-36.58	1/28/92	1055			3.45	107	84.6	1185	0.00	0.0	705	19800	20.5	7.94	7.148	3,957	7.81		
W1	-36.58	2/18/92	1038			3.20	99	85.8	1202	0.13	1.8	650	18256	20.4	7.92	6.859	3,797	7.78		
W1	-36.58	3/17/92	1107			3.39	105	83.7	1172	0.00	0.0	698	19604	20.1	7.94	6.990	3,869	7.85		

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m) (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	4/7/92	1103			3.31	103	85.1	1192	0.00	0.0	787	22103	20.2	7.93	7.087	3,923	8.24		
W1	-36.58	5/5/92	1101			3.55	110	86.3	1209	0.00	0.0	734	20615	20.1	7.92	7.002	3,876	7.79		
W1	-36.58	6/22/92	1037			3.20	99	82.2	1151	0.00	0.0	733	20587	20.0	7.89	7.793	4,314	7.64		
W1	-36.58	7/28/92	1013			3.54	110	87.6	1227	0.20	2.8	648	18199	20.4	7.90	7.055	3,905	7.84		
W1	-36.58	8/25/92	1057			3.52	109	74.2	1039	0.00	0.0	735	20643	20.3	7.91	7.538	4,172	7.63		
W1	-36.58	9/21/92	1015			3.23	100	83.0	1162	0.15	2.1	656	18435	20.3	7.92	7.936	4,393	7.53		
W1	-36.58	10/26/92	1028			3.58	111	87.0	1219	0.00	0.0	746	20952	20.3	7.91	7.361	4,075	7.61		
W1	-36.58	11/16/92	1047			3.36	104	84.9	1189	0.03	0.4	713	20025	20.1	7.92	8.064	4,464	7.53		
W1	-36.58	12/7/92	1033			3.39	105	87.3	1223	0.00	0.0	721	20250	20.1	7.93	7.271	4,025	7.73		
W1	-36.58	1/25/93	1031			3.42	106	87.2	1221	0.01	0.1	730	20508	20.2	7.94	7.595	4,204	7.56		
W1	-36.58	2/22/93	1003			3.37	104	85.6	1198	0.03	0.4	728	20441	20.1	7.95	7.581	4,196	7.62		
W1	-36.58	3/15/93	959			3.28	102	85.0	1190	0.00	0.0	722	20283	19.7	7.95	7.943	4,397	7.56		
W1	-36.58	4/26/93	1002			3.32	103	88.7	1242	0.00	0.0	728	20446	20.1	7.94	7.638	4,228	7.64		
W1	-36.58	5/24/93	1019			3.35	104	89.4	1252	0.00	0.0	735	20643	20.1	7.93	7.412	4,103	7.68		
W1	-36.58	6/21/93	1023			3.40	105	89.1	1248	0.12	1.7	731	20531	20.0	7.93	7.425	4,110	7.71		
W1	-36.58	8/30/93	1115			3.34	103	87.8	1230	0.00	0.0	718	20165	20.5	7.90	7.890	4,367	7.66		
W1	-36.58	10/25/93	1008			3.46	107	83.9	1175	0.10	1.4	674	18930	20.1	7.92	8.115	4,492	7.52		
W1	-36.58	3/1/94	929			3.56	110	88.1	1235	0.11	1.5	654	18368	20.1	7.90	8.253	4,568	7.08		
W1	-36.58	6/20/94	954			3.40	105	85.2	1193	0.08	1.1	667	18740	20.1	7.90	8.085	4,475	7.48		
W1	-36.58	8/22/94	805			3.50	108	86.1	1206	0.06	0.8	798	22412	20.2	7.90	8.104	4,486	7.55		
W1	-36.58	10/24/94	1041			3.38	105	81.1	1135	0.04	0.6	657	18438	20.2	7.91	8.485	4,697	7.40		
W1	-36.58	1/23/95	1116			3.38	105	82.8	1159	0.09	1.3	643	18070	20.6	7.89	8.482	4,695	7.34		
W1	-36.58	2/13/95	1101			3.49	108	84.9	1190	0.21	2.9	646	18129	20.1	7.92	8.262	4,573	7.40		
W1	-36.58	3/13/95	1145			3.53	109	84.0	1177	0.04	0.6	827	23227	20.3	7.92	8.361	4,628	7.42		
W1	-36.58	4/24/95	1033			3.49	108	84.1	1179	0.11	1.5	688	19312	20.1	7.91	8.237	4,559	7.43		
W1	-36.58	5/8/95	1132			3.49	108	83.6	1171	0.14	2.0	651	18292	20.4	7.89	8.324	4,608	7.41		
W1	-36.58	6/19/95	1112			3.53	109	85.1	1191	0.16	2.2	663	18621	20.3	7.87	8.547	4,731	7.43		
W1	-36.58	7/24/95	1039			3.44	107	85.4	1196	0.15	2.1	671	18851	20.3	7.89	8.213	4,546	6.98		
W1	-36.58	8/21/95	1126			3.42	106	82.6	1157	0.23	3.2	653	18326	20.3	7.93	8.528	4,720	7.21		
W1	-36.58	9/11/95	1002			3.42	106	84.6	1185	0.20	2.8	659	18506	20.5	7.90	8.170	4,522	7.38		
W1	-36.58	10/16/95	1034			3.37	104	79.5	1113	0.20	2.8	653	18348	20.7	7.92	8.760	4,849	broken		
W1	-36.58	11/6/95	1035			3.46	107	85.2	1193	0.18	2.5	677	19017	20.3	7.94	8.178	4,527	7.27		
W1	-36.58	12/4/95	1028			3.44	107	84.3	1181	0.01	0.1	665	18674	20.1	7.91	8.259	4,572	7.27		
W1	-36.58	1/29/96	1111			3.43	106	81.2	1138	0.13	1.8	663	18618	21.0	7.91	8.420	4,661	7.43		
W1	-36.58	2/26/96	1138			3.43	106	82.6	1156	0.13	1.8	648	18204	21.8	7.89	8.514	4,713	7.33		

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m) (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	3/5/96	1037			3.52	109	85.2	1193	0.14	2.0	664	18642	20.5	7.90	8.164	4,519	7.49		
W1	-36.58	4/1/96	1111			3.46	107	83.8	1174	0.22	3.1	652	18299	20.8	7.87	8.212	4,546	7.50		
W1	-36.58	5/8/96	1123			3.46	107	82.4	1154	0.05	0.7	652	18322	20.8	7.86	8.360	4,627	7.32		
W1	-36.58	6/17/96	1038			3.55	110	85.2	1194	0.33	4.6	698	19600	20.4	7.89	8.045	4,453	7.43		
W1	-36.58	7/16/96	1045			3.47	107	85.6	1199	0.13	1.8	690	19383	20.5	7.90	7.919	4,383	7.40		
W1	-36.58	8/5/96	1128			3.50	108	82.9	1162	0.19	2.7	644	18090	21.0	7.88	8.689	4,810	7.27		
W1	-36.58	9/3/96	1049			3.41	106	81.8	1146	0.17	2.4	671	18839	21.1	7.88	8.666	4,797	7.29		
W1	-36.58	10/8/96	1209			3.50	108	83.6	1171	0.11	1.5	636	17866	20.7	7.92	8.410	4,655	7.36		
W1	-36.58	11/4/96	1115			3.44	107	83.1	1164	0.18	2.5	670	18826	21.0	7.86	8.642	4,784	7.34		
W1	-36.58	12/16/96	1050			3.45	107	82.7	1159	0.20	2.8	654	18358	20.4	7.89	8.874	4,912	7.24		
W1	-36.58	1/13/97	1131			3.64	113	87	1212	0.02	0.3	664	18652	20.9	7.91	7.533	4,170	7.73		
W1	-36.58	2/11/97	1136			3.23	100	89	1253	0.21	2.9	658	18469	21.1	7.91	7.088	3,923	7.86		
W1	-36.58	3/11/97	1108			3.48	108	88	1235	0.04	0.6	665	18671	20.4	7.93	7.290	4,035	7.77		
W1	-36.58	4/22/97	1118			3.43	106	85	1184	0.20	2.8	552	15495	20.6	7.92	7.664	4,242	7.24		
W1	-36.58	5/27/97	1023			3.52	109	88	1230	0.09	1.3	540	15175	19.9	7.92	7.923	4,386	7.44		
W1	-36.58	6/16/97	1042			3.45	107	84	1175	0.19	2.7	524	14708	19.6	7.97	8.009	4,433	7.40		
W1	-36.58	7/16/97	952			3.50	108	84	1181	0.30	4.2	657	18461	19.8	7.92	7.854	4,347	7.45		
W1	-36.58	8/25/97	1050			3.42	106	78	1091	0.07	1.0	691	19404	19.1	7.98	8.535	4,724	7.14		
W1	-36.58	9/22/97	1131			3.30	102	77	1081	0.07	1.0	657	18461	20.3	8.03	8.625	4,774	7.12		
W1	-36.58	10/15/97	1008			3.54	110	89	1247	0.07	1.0	660	18531	20.0	8.03	7.801	4,318	7.32		
W1	-36.58	11/3/97	953			3.45	107	86.5	1212	0.12	1.7	642	18034	20.0	8.00	8.365	4,630	7.29		
W1	-36.58	12/15/97	1110			3.48	108	79.3	1111	0.11	1.5	649	18219	20.3	8.04	7.966	4,409	7.48		
W1	-36.58	1/6/98	930			3.49	108	83.4	1168	0.01	0.1	658	18475	19.8	8.04	8.321	4,606	7.45		
W1	-36.58	2/2/98	1127			3.42	106	82.6	1157	0.04	0.6	658	18491	20.1	8.02	8.231	4,556	7.41		
W1	-36.58	3/9/98	1121			3.67	114	83.4	1168	0.33	4.6	660	18539	20.1	7.89	8.174	4,525	7.40		
W1	-36.58	4/13/98	955			3.62	112	84	1172	0.23	3.2	662	18604	19.9	7.90	8.158	4,516	7.46		
W1	-36.58	5/11/98	1048			3.71	115	83	1156	0.03	0.4	612	17188	20.0	7.89	8.135	4,503	7.41		
W1	-36.58	6/1/98	1038			3.55	110	86.2	1208	0.18	2.5	661	18569	20.1	7.89	8.667	4,797	7.32		
W1	-36.58	7/13/98	1039			3.58	111	82	1151	0.04	0.6	660	18545	20.3	7.87	8.571	4,744	7.22		
W1	-36.58	8/10/98	1055			3.74	116	86.6	1213	0.06	0.8	660	18522	20.0	7.86	8.335	4,614	7.53		
W1	-36.58	9/14/98	1052			3.62	112	79.9	1119	0.11	1.5	656	18435	20.2	7.86	8.941	4,949	7.28		
W1	-36.58	10/12/98	950			3.53	109	81.2	1137	0.05	0.7	654	18379	20.5	7.90	8.885	4,918	7.66		
W1	-36.58	11/2/98	1017			3.61	112	86.4	1210	0.06	0.8	670	18823	20.1	7.89	8.167	4,521	7.41		
W1	-36.58	12/15/98	1056			3.59	111	82.5	1156	0.15	2.1	665	18677	20.1	7.89	8.556	4,736	7.30		
W1	-36.58	1/11/99	1025			3.39	105	82	1151	0.31	4.3	658	18477	20.1	7.87	8.758	4,848	7.27		

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m) (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	2/2/99	1028			3.41	106	84	1178	0.13	1.8	658	18489	19.9	7.88	8.643	4,784	7.32		
W1	-36.58	3/1/99	1033			3.43	106	80.5	1128	0.01	0.1	659	18517	20.2	7.87	8.592	4,756	7.99		
W1	-36.58	4/5/99	1025			3.44	107	82.7	1158	0.11	1.5	660	18525	20.0	7.87	8.752	4,844	7.30		
W1	-36.58	5/3/99	1049			3.45	107	84.1	1178	0.17	2.4	662	18590	20.2	7.86	8.581	4,750	7.29		
W1	-36.58	6/1/99	1020			3.43	106	84.1	1178	0.24	3.4	661	18556	20.2	7.87	8.550	4,733	7.33		
W1	-36.58	7/14/99	1038			3.49	108	82.6	1157	0.08	1.1	656	18418	20.0	7.87	8.478	4,693	7.33		
W1	-36.58	8/23/99	1048			3.42	106	79.8	1118	0.14	2.0	656	18416	20.1	7.90	8.825	4,885	7.16		
W1	-36.58	9/7/99	1042			3.51	109	88.1	1234	0.05	0.7	651	18272	20.2	7.91	8.872	4,911	7.20		
W1	-36.58	10/5/99	1024			3.48	108	83.9	1175	0.09	1.3	654	18362	20.0	7.92	8.726	4,830	7.23		
W1	-36.58	11/1/99	1056			3.37	104	79.6	1115	0.10	1.4	634	17817	20.1	7.91	9.363	5,183	7.10		
W1	-36.58	12/14/99	1047			3.48	108	85.5	1198	0.06	0.8	653	18326	20.0	7.89	9.021	4,993	6.84		
W1	-36.58	1/10/00	1106			3.47	107	80.9	1133	0.13	1.8	655	18382	20.0	7.89	8.776	4,858	7.13		
W1	-36.58	2/7/00	1107			3.50	108	83.4	1168	0.13	1.8	644	18095	20.1	7.92	8.773	4,856	7.07		
W1	-36.58	3/21/00	1106			3.25	101	83.0	1163	0.11	1.5	664	18660	20.2	7.91	8.581	4,750	7.19		
W1	-36.58	4/10/00	1140			3.40	105	82.7	1158	0.04	0.6	660	18522	19.8	7.92	8.903	4,928	7.03		
W1	-36.58	5/15/00	1049			3.34	103	82.5	1156	0.25	3.5	627	17607	20.4	7.91	8.901	4,927	7.26		
W1	-36.58	6/5/00	1052			3.36	104	83.6	1171	0.09	1.3	647	18183	20.4	7.91	8.523	4,718	7.29		
W1	-36.58	7/26/00	1115			3.35	104	79.4	1112	0.09	1.3	650	18267	20.2	7.92	9.293	5,144	7.01		
W1	-36.58	8/29/00	1025			3.43	106	83.4	1168	0.05	0.7	655	18382	20.6	7.87	8.655	4,791	7.19		
W1	-36.58	9/5/00	1041			3.31	103	80.1	1122	0.10	1.4	654	18365	21.1	7.87	9.407	5,207	6.92		
W1	-36.58	10/24/00	1055			3.50	108	80.8	1132	0.18	2.5	676	18997	20.2	7.88	8.918	4,936	6.89		
W1	-36.58	11/13/00	1036			3.08	95	81.0	1134	0.20	2.8	658	18483	20.3	7.87	8.854	4,901	6.90		
W1	-36.58	12/18/00	1028			3.36	104	83.1	1164	0.21	2.9	656	18410	20.3	7.89	9.248	5,119	6.81		
W1	-36.58	1/22/01	1044			3.30	102	85.0	1191	0.10	1.4	660	18525	20.0	7.86	8.827	4,886	6.75		
W1	-36.58	2/5/01	1056			3.28	102	82.0	1149	0.10	1.4	660	18548	20.1	7.89	8.950	4,954	6.74		
W1	-36.58	3/5/01	1050			3.36	104	87.8	1230	0.10	1.4	653	18351	20.1	7.85	9.012	4,988	6.74		
W1	-36.58	4/17/01	1037			3.49	108	82.0	1149	0.05	0.7	668	18747	20.5	7.85	8.974	4,967	7.32		
W1	-36.58	5/15/01	1019			3.34	103	85.0	1191	0.14	2.0	657	18455	20.1	7.86	8.986	4,974	7.28		
W1	-36.58	6/12/01	1057			3.38	105	82.2	1151	0.07	1.0	654	18374	20.0	7.88	9.045	5,007	7.25		
W1	-36.58	7/23/01	1033			3.27	101	87.4	1225	0.09	1.3	669	18800	20.3	7.86	8.692	4,811	8.20		
W1	-36.58	8/8/01	1022			3.36	104	86.1	1206	0.07	1.0	682	19154	20.0	7.85	9.003	4,983	7.16		
W1	-36.58	9/17/01	924			3.40	105	88.0	1232	0.07	1.0	680	19093	20.5	7.87	8.668	4,798	7.39		
W1	-36.58	10/22/01	930			3.48	108	81.7	1144	0.09	1.3	644	18079	20.0	7.87	9.685	5,361	6.99		
W1	-36.58	11/5/01	948			3.26	101	81.9	1147	0.06	0.8	649	18222	19.9	7.85	9.607	5,318	7.00		
W1	-36.58	12/12/01	930			3.26	101	87.1	1220	0.36	5.0	669	18800	21.8	7.87	8.940	4,949	7.27		

NELHA Water Quality Laboratory

Well 1 Data Table

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Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m) (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	1/7/02	914			3.48	108	81.7	1144	0.08	1.1	681	19121	20.0	7.87	9.280	5,137	6.75		
W1	-36.58	2/19/02	940			3.52	109	83.1	1163	0.08	1.1	663	18621	19.8	7.86	9.287	5,141	6.72		
W1	-36.58	3/18/02	921			3.46	107	80.7	1130	0.13	1.8	658	18477	20.0	7.89	9.226	5,107	6.78		
W1	-36.58	4/8/02	953			3.58	111	85.6	1199	0.08	1.1	656	18433	20.0	7.68	9.002	4,983	6.75		
W1	-36.58	5/29/02	935			3.36	104	85.9	1204	0.09	1.3	653	18326	20.0	7.89	8.888	4,920	7.24		
W1	-36.58	6/17/02	1110			3.52	109	80.5	1128	0.17	2.4	637	17890	20.0	7.87	9.332	5,166	7.11		
W1	-36.58	7/15/02	11:12			3.48	108	84.5	1184	0.07	1.0	637	17902	20.0	7.93	9.326	5,162	7.12		
W1	-36.58	8/20/02	11:00			3.42	106	78.9	1105	0.09	1.3	658	18472	20.1	7.89	9.141	5,060	7.31		
W1	-36.58	9/23/02	11:37			3.38	105	87.5	1225	0.15	2.1	657	18455	20.7	7.90	8.966	4,963	7.35		
W1	-36.58	10/14/02	10:50			3.27	101	83.0	1163	0.08	1.1	651	18272	20.3	7.94	9.711	5,375	7.12		
W1	-36.58	11/4/02	10:58			3.49	108	87.9	1232	0.02	0.3	658	18491	20.2	7.92	9.085	5,029	7.32		
W1	-36.58	12/17/02	11:30			3.26	101	81.8	1146	0.16	2.2	659	18503	21.0	7.92	9.176	5,079	7.18		
W1	-36.58	1/29/03	10:37			3.38	105	86.7	1215	0.48	6.7	656	18424	20.3	7.90	9.023	4,994	7.31		
W1	-36.58	2/10/03	10:25			3.20	99	82.5	1156	0.13	1.8	668	18761	20.1	7.90	9.295	5,145	7.12		
W1	-36.58	3/19/03	11:10			3.46	107	79.5	1114	0.11	1.5	668	18770	20.1	7.97	9.048	5,008	7.21		
W1	-36.58	4/28/03	10:45			3.53	109	86.4	1210	0.17	2.4	659	18506	20.6	7.97	9.105	5,040	7.28		
W1	-36.58	5/12/03	10:26			3.50	108	85.3	1195	0.19	2.7	717	20137	20.4	7.99	9.198	5,091	7.30		
W1	-36.58	6/3/03	10:57			3.53	109	85.6	1199	0.51	7.1	656	18430	20.3	7.86	8.995	4,979	7.26		
W1	-36.58	7/29/03	11:14			3.41	106	87.9	1231	0.16	2.2	663	18607	20.4	7.95	8.791	4,866	7.51		
W1	-36.58	8/26/03	11:00			3.32	103	86.1	1206	0.52	7.3	654	18362	21.3	7.86	8.950	4,954	7.14		
W1	-36.58	9/15/03	11:03			3.46	107	88.7	1242	0.30	4.2	658	18466	20.9	7.85	9.235	5,112	7.31		
W1	-36.58	10/6/03	10:59			3.62	112	80.8	1131	0.54	7.6	662	18593	20.4	7.88	9.211	5,099	NA		
W1	-36.58	10/28/03	11:41			3.38	105	86.2	1207	0.30	4.2	664	18635	19.8	7.86	9.217	5,102	NA		
W1	-36.58	11/14/03	14:33											20.7				7.38		
W1	-36.58	12/15/03	10:43			3.35	104	80.4	1127	0.90	12.6	666	18708	20.4	7.87	9.751	5,397	7.07		
W1	-36.58	1/26/04	11:14			3.22	100	84.0	1177	0.20	2.8	661	18553	20.1	7.94	9.340	5,170	7.02		
W1	-36.58	2/5/04	10:48			3.36	104	93.6	1310	0.17	2.4	669	18800	20.6	7.88	9.017	4,991	7.20		
W1	-36.58	3/2/04	10:20			3.46	107	86.6	1214	**1.04**	14.6	668	18772	20.4	7.92	8.770	4,854	6.89		
W1	-36.58	4/22/04	9:00			3.42	106	88.7	1243	0.13	1.8	661	18559	20.5	7.91	8.521	4,717	7.44		
W1	-36.58	5/18/04	8:37			3.30	102	85.3	1195	0.14	2.0	670	18829	20.6	7.91	8.41	4,655	8.73		
W1	-36.58	6/8/04	8:40			3.40	105	85.7	1201	**2.45**	34.3	674	18924	20.3	7.86	8.64	4,782	7.38		
W1	-36.58	7/19/04	9:36			3.32	103	93.1	1304	0.16	2.2	643	18062	20.3	7.85	8.65	4,788	7.34		
W1	-36.58	8/25/04	8:54			3.18	98	84.1	1178	0.16	2.2	667	18725	20.4	7.86	8.82	4,882	7.21		
W1	-36.58	9/28/04	8:46			3.22	100	87.9	1232	0.18	2.5	660	18522	20.4	7.86	9.11	5,043	9.38		
W1	-36.58	10/5/04	9:07			3.22	100	80.5	1127	0.18	2.5	643	18059	20.4	7.88	9.85	5,452	6.80		

NELHA Water Quality Laboratory

Well 1 Data Table

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Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	11/9/04	9:56				3.30	102	81.4	1141	0.09	1.3	648	18205	20.6	7.87	9.30	5,148	7.13		
W1	-36.58	12/6/04	10:30				3.18	98	80.0	1121	0.20	2.8	645	18124	20.9	7.88	9.75	5,397	6.94		
W1	-36.58	1/10/05	9:59				3.34	103	81.8	1146	0.10	1.4	658	18486	20.8	7.91	9.556	5,289	7.01		
W1	-36.58	2/9/05	9:59				3.32	103	87.8	1230	0.13	1.8	657	18449	20.7	7.91	9.114	5,045	7.13		
W1	-36.58	3/15/05	10:24				3.28	102	84.7	1186	0.23	3.2	659	18500	20.9	7.91	9.148	5,064	7.19		
W1	-36.58	4/19/05	9:38				3.32	103	81.0	1134	0.16	2.2	658	18477	21.2	7.93	9.105	5,040	7.23		
W1	-36.58	5/23/05	10:23				3.30	102	87.6	1227	0.10	1.4	662	18579	20.6	7.89	9.098	5,036	8.10		
W1	-36.58	6/15/05	9:27				3.28	102	84.6	1185	0.14	2.0	646	18135	20.5	7.85	9.517	5,268	7.03		
W1	-36.58	7/18/05	9:55				3.32	103	82.1	1150	0.18	2.5	665	18682	20.6	7.86	9.184	5,084	7.10		
W1	-36.58	8/9/05	10:06				3.24	100	81.8	1145	0.26	3.6	647	18157	21.0	7.91	9.435	5,223	7.01		
W1	-36.58	9/20/05	9:55				3.28	102	81.0	1134	0.14	2.0	656	18413	20.8	7.88	9.499	5,258	7.11		
W1	-36.58	10/17/05	9:53				3.34	103	82.8	1160	0.20	2.8	656	18421	20.7	7.88	9.461	5,237	7.12		
W1	-36.58	11/7/05	9:23				3.12	97	77.5	1086	0.02	0.3	637	17890	20.2	7.87	10.387	5,749	6.83		
W1	-36.58	12/21/05	8:52				3.18	98	75.6	1058	0.16	2.2	625	17562	20.4	7.89	10.528	5,828	6.78		
W1	-36.58	1/23/06	9:52				3.28	102	82.3	1153	0.08	1.1	655	18399	20.9	7.87	9.869	5,463	6.98		
W1	-36.58	2/14/06	9:48				3.31	103	85.4	1196	0.18	2.5	651	18275	20.6	7.85	9.878	5,468	6.97		
W1	-36.58	3/20/06	10:31				3.33	103	79.9	1119	0.11	1.5	654	18368	20.4	7.92	9.821	5,436	6.98		
W1	-36.58	4/25/06	10:54				3.22	100	83.6	1171	0.14	2.0	634	17806	21.3	7.95	9.827	5,439	6.83		
W1	-36.58	5/22/06	10:10				3.15	98	81.5	1142	0.58	8.1	618	17357	20.5	7.91	9.939	5,501	6.81		
W1	-36.58	6/26/06	10:19				3.06	95	82.3	1153	0.22	3.1	623	17497	20.8	7.92	10.065	5,571	6.81		
W1	-36.58	7/20/06	10:29				3.11	96	75.8	1062	0.16	2.2	615	17273	21.2	7.87	10.789	5,972	7.07		
W1	-36.58	8/7/06	10:45				3.06	95	77.8	1090	0.06	0.8	628	17638	20.7	7.90	10.551	5,840	7.14		
W1	-36.58	9/18/06	10:10				2.99	93	76.3	1069	0.21	2.9	621	17441	20.9	7.89	10.649	5,894	6.96		
W1	-36.58	10/23/06	10:50				3.14	97	82.7	1158	0.18	2.5	629	17666	21.4	7.87	10.294	5,698	7.08		
W1	-36.58	11/27/06	9:55				3.03	94	76.6	1073	0.31	4.3	615	17273	20.5	7.88	11.038	6,110	6.72		
W1	-36.58	12/11/06	11:29				3.20	99	82.6	1157	0.20	2.8	641	18003	20.5	7.88	10.695	5,920	6.78		
W1	-36.58	1/8/07	10:17				3.13	97	84.8	1188	0.30	4.2	604	16964	20.2	7.95	10.639	5,889	6.83		
W1	-36.58	2/20/07	10:42				3.19	99	80.6	1129	0.32	4.5	619	17385	20.7	7.89	10.146	5,616	6.98		
W1	-36.58	3/5/07	10:20				3.18	98	87.9	1231	0.25	3.5	648	18199	21.4	7.93	9.971	5,519	7.00		
W1	-36.58	4/18/07	10:45				3.19	99	92.3	1293	0.3	4.2	647	18171	21.1	7.91	9.737	5,390	6.79		
W1	-36.58	5/1/07	10:33				3.21	99	84.5	1184	0.22	3.1	637	17890	20.7	7.90	9.808	5,429	6.76		
W1	-36.58	6/18/07	10:24				3.23	100	91.0	1275	0.18	2.5	655	18396	21.0	7.94	9.854	5,454	7.26		
W1	-36.58	7/26/07	14:42	-30.78	0.64	High	2.85	88	88.1	1234	0.01	0.1	618	17348	20.3	7.80	10.71	5,928	6.25		
W1	-36.58	8/28/07	12:22		0.21	Flood	2.55	79	53.1	744	0.59	8.2	796	22365	20.4	7.86	10.02	5,546	6.54		
W1	-36.58	9/13/07	10:16		0.15	Ebb	3.35	104	90.4	1266	0.16	2.2	667	18745	20.2	7.72	9.83	5,441	7.40		

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	10/24/07	15:24	-31.58	0.46	Ebb	2.95	91	92.0	1289	0.92	12.9	614	17249	20.1	7.78	10.34	5,723	6.41		
W1	-36.58	11/26/07	10:46		0.30	Ebb	3.17	98	93.5	1309	0.91	12.8	681	19118	20.2	7.87	9.83	5,441	6.51		
W1	-36.58	12/20/07	13:11		0.24	Ebb	2.72	84	60.7	850	0.20	2.8	601	16878	20.0	7.99	9.54	5,281	6.58		
W1	-36.58	1/28/08	11:25	-30.78	0.18	Ebb	2.10	65	51.2	717	0.54	7.6	376	10548	20.3	7.78	9.35	5,175	6.22		
W1	-36.58	2/27/08	9:37		0.15	Ebb	3.27	101	95.9	1343	0.11	1.6	618	17358	20.1	7.79	9.32	5,159	6.90		
W1	-36.58	3/18/08	11:27	-29.93	0.06	Flood	2.78	86	77.9	1091	0.56	7.9	651	18295	20.6	7.79	9.36	5,181	5.71		
W1	-36.58	4/28/08	10:27	-31.39	0.15	Flood	2.84	88	96.8	1355	0.19	2.6	625	17541	20.6	7.81	9.34	5,170	6.64		
W1	-36.58	5/30/08	11:24		0.24	Flood	2.69	83	89.5	1254	0.21	2.9	619	17384	20.7	7.81	9.75	5,397	6.35		
W1	-36.58	6/20/08	10:04		-0.06	Low	2.66	82	96.4	1350	0.68	9.5	697	19579	25.4	7.67	9.10	5,037	6.10		
W1	-36.58	7/25/08	10:53	-30.78	0.55	High	2.73	85	85.5	1198	0.63	8.8	414	11616	20.2	7.87	9.91	5,485	6.08		
W1	-36.58	8/30/08	9:00		0.00	Low	1.26	39	52.3	733	0.71	9.9	318	8922	20.7	7.81	9.13	5,054	7.86		
W1	-36.58	9/19/08	1022	-30.92	0.37	Ebb	2.05	64	67.6	947	1.05	14.7	461	12937	24.1	7.88	5.03	2,784	8.12	0.50	
W1	-36.58	10/27/08	1136	-31.35	0.24	Flood	2.97	92	97.1	1361	0.49	6.9	619	17390	22.1	7.54	8.96	4,960	7.80	0.41	
W1	-36.58	11/10/08	946	-31.26	0.18	Flood	4.41	137	95.6	1339	0.11	1.5	579	16260	23.3	7.90	9.10	5,037	6.74	0.19	
W1	-36.58	12/15/08	908	-31.01	0.43	Ebb	3.77	117	151.8	2126	0.06	0.8	642	18025	24.1	8.08	4.55	2,519	8.29		
W1	-36.58	1/23/09	1025	-31.35	0.08	Low	3.17	98	107.6	1507	0.54	7.6	586	16456	22.8	7.93	9.00	4,982	6.64	0.17	
W1	-36.58	2/23/09	1254	-31.36	0.15	Flood	2.86	89	96.3	1348	0.23	3.2	588	16513	21.3	7.79	9.44	5,225	7.09	0.23	
W1	-36.58	3/13/09	1118	-31.43	-0.03	Ebb	2.79	87	81.3	1139	0.13	1.8	616	17301	21.6	7.82	8.98	4,971	7.04	0.25	
W1	-36.58	4/20/09	1021	-31.36	0.15	Flood	3.66	114	90.4	1266	0.41	5.7	373	10480	21.8	7.78	9.21	5,098	7.07		
W1	-36.58	5/21/09	955	-31.44	0.08	Flood	3.38	105	93.0	1302	0.16	2.2	643	18057	23.7	8.32	9.37	5,187	6.56	0.21	
W1	-36.58	6/16/09	934	-31.26	0.30	Flood	2.41	75	56.0	784	0.74	10.4	196	5510	23.8	7.34	9.51	5,264	6.64	0.13	
W1	-36.58	7/13/09	1106	-31.29	0.37	Ebb	1.69	53	41.1	575	0.32	4.5	246	6897	23.0	7.9	9.6	5,314	6.90	0.06	
W1	-36.58	8/20/09	1020	-31.40	0.03	Low	2.73	85	83.9	1176	0.06	0.8	532	14936	23.7	7.92	9.12	5,048	6.58	0.13	
W1	-36.58	9/21/09	1019	-31.22	0.30	Ebb	1.99	62	59.4	832	0.19	2.7	171	4812	24.0	8.66	9.61	5,319	6.58	0.06	
W1	-36.58	10/19/09	958	-31.12	0.37	Ebb	2.34	73	87.0	1218	1.97	27.6	231	6476	21.1	8.71	9.74	5,391	6.85	0.02	
W1	-36.58	11/16/09	935	-31.31	0.18	Ebb	4.98	154	79.1	1108	0.96	13.4	365	10247	21.4	7.80	9.38	5,192	6.89	0.02	
W1	-36.58	12/7/09	947	-31.14	0.55	Ebb	3.00	93	97.2	1361	0.45	6.3	574	16134	21.1	7.88	10.21	5,652	6.28	0.07	
W1	-36.58	1/5/10	924	-31.10	0.43	Ebb	3.52	109	85.8	1202	1.93	27.0	537	15090	21.1	7.80	11.00	6,089	6.34	0.05	
W1	-36.58	2/1/10	909	-31.07	0.24	Ebb	3.20	99	97.7	1368	0.50	7.0	521	14630	21.0	7.91	10.36	5,735	6.82	0.27	
W1	-36.58	3/9/10	830	-31.38	0.09	Low	3.36	104	93.3	1307	0.14	2.0	580	16294	21.1	7.81	10.00	5,535	6.42	0.30	
W1	-36.58	4/6/10	802	-31.42	0.24	Low	3.39	105	95.5	1338	0.29	4.0	496	13936	21.9	7.88	9.60	5,314	6.93	0.12	
W1	-36.58	5/11/10	818	-31.49	-0.03	Low	3.10	96	82.5	1155	2.28	32.0	533	14970	21.1	7.99	9.64	5,336	6.98	0.13	
W1	-36.58	6/15/10	859	-31.38	0.12	Ebb	3.39	105	95.0	1331	0.79	11.0	653	18337	21.9	7.88	9.87	5,463	6.74	0.11	
W1	-36.58	7/13/10	832	-31.30	0.12	Ebb	3.07	95	90.8	1272	0.36	5.0	641	17994	22.0	7.91	9.82	5,436	6.46	0.11	
W1	-36.58	8/3/10	829	-31.22	0.37	Flood	3.52	109	95.5	1338	0.50	7.0	663	18614	22.2	7.91	9.73	5,386	6.66	0.19	

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3^- & NO_2^- (µM)	NO_3^- & NO_2^- (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	9/14/10	826	-31.14	0.55	Flood	3.26	101	91.5	1282	0.49	6.8	676	18972	22.1	7.87	10.28	5,690	6.80	0.08	
W1	-36.58	10/12/10	817	-30.99	0.67	High	3.26	101	90.0	1260	0.37	5.2	680	19099	22.1	7.89	10.45	5,784	6.37	0.08	
W1	-36.58	11/16/10	808	-31.19	0.21	Low	3.26	101	96.5	1352	0.24	3.4	676	18986	21.9	7.89	9.68	5,358	6.78	0.07	
W1	-36.58	12/14/10	828	-31.18	0.30	Flood	3.23	100	92.4	1294	0.56	7.8	645	18102	21.8	7.89	9.96	5,513	6.77	0.04	
W1	-36.58	1/4/11	830	-31.07	0.30	Ebb	3.62	112	98.2	1376	0.34	4.7	694	19504	21.8	7.87	9.84	5,447	6.69	0.03	
W1	-36.58	4/5/11	822	-31.28	0.06	Ebb	3.42	106	88.7	1243	0.29	4.1	656	18420	22.1	7.82	9.78	5,413	5.99	0.10	
W1	-36.58	7/12/11	824	-31.53	-0.06	Flood	3.58	111	94.0	1317	0.09	1.3	658	18477	21.8	7.84	9.46	5,236	6.60	0.05	
W1	-36.58	10/11/11	842	-31.18	0.18	Ebb	3.20	99	83.5	1169	0.39	5.4	613	17218	22.1	7.79	10.11	5,596	6.88	0.18	
W1	-36.58	1/10/12	843	-31.13	0.37	Ebb	3.16	98	85.0	1191	0.56	7.8	619	17376	21.6	7.76	10.32	5,712	6.33	0.09	
W1	-36.58	5/1/12	839	-31.35	0.03	Flood	3.65	113	91.1	1276	0.37	5.2	686	19266	21.9	7.79	9.95	5,508	6.60	0.10	
W1	-36.58	7/18/12	823	-31.38	0.03	Ebb	3.49	108	94.6	1325	1.02	14.3	635	17842	21.5	7.84	9.99	5,530	6.87	0.11	
W1	-36.58	10/16/12	853	-31.11	0.34	Ebb	3.42	106	89.4	1252	0.36	5.1	631	17710	21.6	7.82	10.52	5,823	6.51	0.05	
W1	-36.58	1/8/13	912	-31.27	0.05	Low	3.65	113	95.4	1336	0.44	6.2	678	19043	21.5	7.90	10.22	5,657	6.66	0.33	
W1	-36.58	4/9/13	843	-31.38	-0.06	Low	3.62	112	87.6	1227	0.48	6.7	659	18517	21.3	7.88	10.19	5,640	6.85	0.02	
W1	-36.58	7/17/13	912	-31.38	0.40	Flood	3.36	104	81.4	1140	0.69	9.7	651	18284	21.3	7.81	10.29	5,696	6.50	0.08	
W1	-36.58	10/15/13	844	-31.33	0.15	Flood	3.39	105	88.8	1244	0.58	8.1	635	17840	21.5	7.82	10.30	5,701	6.88	0.12	
W1	-36.58	1/15/14	823	-31.06	0.30	Ebb	3.49	108	83.8	1174	0.63	8.8	564	15829	20.7	7.90	10.47	5,795	6.73	0.02	
W1	-36.58	4/29/14	940	-31.43	-0.06	Low	3.13	97	87.0	1218	0.76	10.6	604	16974	21.5	7.91	10.20	5,646	7.28	0.09	
W1	-36.58	7/29/14	912	-31.29	0.18	Ebb	3.45	107	83.7	1173	0.71	10.0	693	19472	21.3	7.88	10.46	5,790	6.93	0.13	
W1	-36.58	11/5/14	913	-31.15	0.09	Low	3.62	112	90.3	1265	0.39	5.5	612	17189	24.1	7.79	10.36	5,735	6.09	0.43	
W1	-36.58	2/9/15	1444	-31.31	0.01	Low	3.98	123	90.7	1271	0.44	6.1	494	13866	21.4	7.74	10.60	5,867	6.65	0.07	
W1	-36.58	5/20/15	1637	-31.18	0.61	High	3.43	106	81.2	1137	0.25	3.5	545	15317	21.2	7.98	11.56	6,399	6.21	0.13	
W1	-36.58	7/1/15	No Sample - equipment malfunction																		
W1	-36.58	10/1/15	No Sample - equipment malfunction																		
W1	-36.58	3/9/16	1040	-31.38	-0.05	Low	3.59	111	67.7	948	0.71	9.9	533	14973	20.5	7.78	12.60	6,974	5.19	0.07	
W1	-36.58	4/22/16	1426	-31.26	0.50	Flood	3.49	108	77.4	1085	0.65	9.1	548	15385	20.5	7.78	11.67	6,460	6.50	0.05	
W1	-36.58	7/27/16	1626	-31.21	0.40	Ebb	3.25	101	81.0	1135	0.48	6.7	505	14195	20.5	7.83	11.61	6,426	6.07	0.05	
W1	-36.58	11/7/16	1432	-31.10	0.25	Ebb	3.52	109	80.3	1124	1.15	16.1	459	12902	20.5	7.82	11.69	6,471	6.82	0.07	
W1	-36.58	3/22/17	1609	-31.22	0.10	Ebb	3.42	106	81.9	1147	0.55	7.7	595	16706	20.7	7.79	11.62	6,432	6.30	0.10	
W1	-36.58	4/19/17	1549	-31.24	0.09	Low	3.34	103	81.7	1145	0.41	5.7	607	17034	20.7	7.73	11.60	6,421	5.08	0.07	
W1	-36.58	9/19/17	1417	-31.08	0.60	Flood	2.77	86	79.2	1110	0.04	0.6	627	17613	20.6	7.94	11.75	6,504	6.03	0.02	
W1	-36.58	10/19/17	1645	-31.07	0.45	Ebb	3.42	106	82.2	1151	0.34	4.7	570	16005	20.7	7.86	11.61	6,426	5.88	0.02	
W1	-36.58	3/16/18	1429	-31.28	0.45	High	3.40	105	87.1	1221	0.12	1.7	623	17503	20.4	7.81	11.75	6,504	8.48	0.08	
W1	-36.58	6/20/18	1119	-31.19	0.34	High	3.54	110	77.7	1089	0.34	4.7	598	16789	20.4	7.68	12.08	6,687	5.37	0.05	
W1	-36.58	8/29/18	1255	-31.24	0.18	Low	3.58	111	82.8	1160	0.62	8.7	610	17122	20.8	7.77	11.43	6,327	5.91	0.06	

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 12/31/2025

Site	Pump Depth (m)	Date (M/D/Y)	Time -2400	Depth to H_2O (m)	Tide (m)	Tide (cycle)	PO_4^{3-} (µM)	PO_4^{3-} (µg P/L)	NO_3 & NO_2 (µM)	NO_3 & NO_2 (µg N/L)	NH_4^+ & NH_3 (µM)	NH_4^+ & NH_3 (µg N/L)	Si (µM)	Si (µg Si/L)	Temp. (˚C)	pH (unit)	Salinity (PSU)	Chloride (mg/L)	DO (ppm)	Turbidity (NTU)	ORP (mV)
W1	-36.58	10/24/18	1157	-31.25	0.25	Flood	3.27	101	87.5	1226	0.06	0.8	575	16139	20.8	7.72	11.30	6,255	5.19	0.07	
W1	-36.58	2/8/19	1518	-31.36	0.25	Flood	3.54	110	118.8	1664	0.06	0.9	593	16647	20.8	7.71	10.82	5,989	6.91	0.08	
W1	-36.58	5/10/19	1453	-31.36	0.05	Flood	3.81	118	97.4	1365	0.03	0.4	599	16809	21.2	7.62	10.44	5,779	6.92	0.02	
W1	-36.58	8/29/19	1155	-31.29	0.30	Flood	3.99	124	88.4	1238	0.26	3.6	603	16935	21.5	7.83	11.00	6,089	6.85	0.12	
W1	-36.58	10/16/19	940	-31.02	0.28	Ebb	3.64	113	77.5	1086	0.22	3.1	572	16065	20.8	7.85	11.68	6,465	7.57	0.10	
W1	-36.58	1/31/20	930	-31.15	0.35	Ebb	3.96	123	97.4	1364	-0.66	-9.3	598	16783	20.7	7.77	12.17	6,736	6.41	0.06	
W1	-36.58	6/5/20	No Sample - equipment malfunction																		
W1	-36.58	8/18/20	No Sample - equipment malfunction																		
W1	-36.58	12/22/20	No Sample - new equipment not working; need to purchase better quality, dedicated pump.																		
W1	-36.58	2/17/21	No Sample - new equipment not working; need to purchase better quality, dedicated pump.																		
W1	-36.58	4/14/21	No Sample - new equipment not working; need to purchase better quality, dedicated pump.																		
W1	-36.58	7/6/21	No Sample - new equipment not working; need to purchase better quality, dedicated pump.																		
W1	-36.58	11/5/21	935	-31.22	0.15	Low	3.02	93	86.4	1210	0.16	2.3	568	15950	20.6	7.65	11.30	6,255	6.54	0.20	
W1	-36.58	2/8/22	1341	-31.33	0.07	Low	3.22	100	108.8	1524	0.09	1.3	650	18254	20.5	7.74	10.92	6,045	6.58	0.25	
W1	-36.58	4/21/22	1329	-31.45	0.00	Flood	2.87	89	92.5	1296	0.24	3.3	643	18045	20.4	7.68	10.89	6,028	6.59	0.45	
W1	-36.58	7/13/22	1109	-31.56	0.20	Flood	3.28	102	99.5	1394	-0.36	-5.1	643	18066	20.4	7.68	10.65	5,895	6.66	1.32	
W1	-36.58	11/25/22	946	-31.16	0.30	Ebb	2.88	89	94.1	1318	0.02	0.3	588	16510	20.4	7.69	10.91	6,039	6.53	0.48	
W1	-36.58	1/25/23	946	-31.12	0.30	ebb	3.18	99	92.7	1299	0.06	0.9	582	16345	20.4	7.67	10.95	6,061	6.52	1.87	
W1	-36.58	4/26/23	1147	-31.45	0.06	Low	3.27	101	97.6	1367	0.09	1.2	588	16521	20.3	7.72	10.61	5,873	6.62	1.36	
W1	-36.58	8/16/23	1351	-31.25	0.19	Low	3.61	112	89.2	1250	0.14	2.0	621	17440	20.4	7.63	10.84	6,000	6.58	1.17	
W1	-36.58	11/16/23	1020	-31.06	0.40	Ebb	3.10	96	93.2	1306	1.16	16.2	583	16369	20.4	7.71	10.93	6,050	6.54	1.94	82.6
W1	-36.58	1/24/24	1047	-31.23	0.36	Low	3.12	97	96.9	1357	0.11	1.6	598	16793	20.4	7.73	10.38	5,746	6.69	1.29	133.9
W1	-36.58	5/8/24	1257	-31.35	0.20	Flood	2.83	88	88.9	1245	0.14	1.9	573	16100	20.4	7.67	11.07	6,128	6.50	0.91	224.9
W1	-36.58	7/31/24	1538	-30.99	0.67	Flood	2.87	89	85.8	1202	0.42	5.9	569	15979	20.4	7.85	11.57	6,404	6.36	0.81	107.1
W1	-36.58	10/11/24	1443	-31.01	0.45	Ebb	2.99	93	89.2	1250	0.21	2.9	576	16187	20.3	7.88	11.45	6,338	6.36	0.39	159.4
W1	-36.58	1/10/25	1044	-31.23	0.20	High	3.07	95	96.5	1352	0.28	3.9	547	15364	20.4	7.78	10.80	5,978	6.58	0.25	209.1
W1	-36.58	5/14/25	1411	-32.73	0.40	Ebb	2.99	93	97.3	1362	0.15	2.1	573	16096	20.4	7.82	10.95	6,061	6.50	0.28	193.5
W1	-36.58	7/30/25	1100	-31.07	0.25	Ebb	2.88	89	88.6	1242	0.10	1.4	543	15258	20.4	7.82	11.06	6,122	6.49	0.50	236.2
W1	-36.58	12/18/25	931	-31.17	0.16	Low	3.65	113	91.8	1286	0.00	0.0	1415	39751	20.3	7.72	10.79	5,973	6.62	0.70	187.7
Mean				-31.24	0.24		3.34	103	85	1187	0.24	3.3	643	18048	20.6	7.88	9.04	5,002	7.11	0.27	170.5
Std. Dev.				0.27	0.18		0.34	10	9	128	0.32	4.5	95	2658	0.8	0.11	1.35	750	0.55	0.40	53.4
Maximum				-29.93	0.67		4.98	154	152	2126	2.45	34.3	1415	39751	25.4	8.71	12.60	6,974	9.38	1.94	236.2
Minimum				-32.73	-0.06		1.26	39	41	575	-0.66	-9.3	171	4812	17.6	7.34	4.55	2,519	5.08	0.02	82.6
n				86	94	0	301	301	301	301	301	301	294	294	301	300	300	300	298	78	9