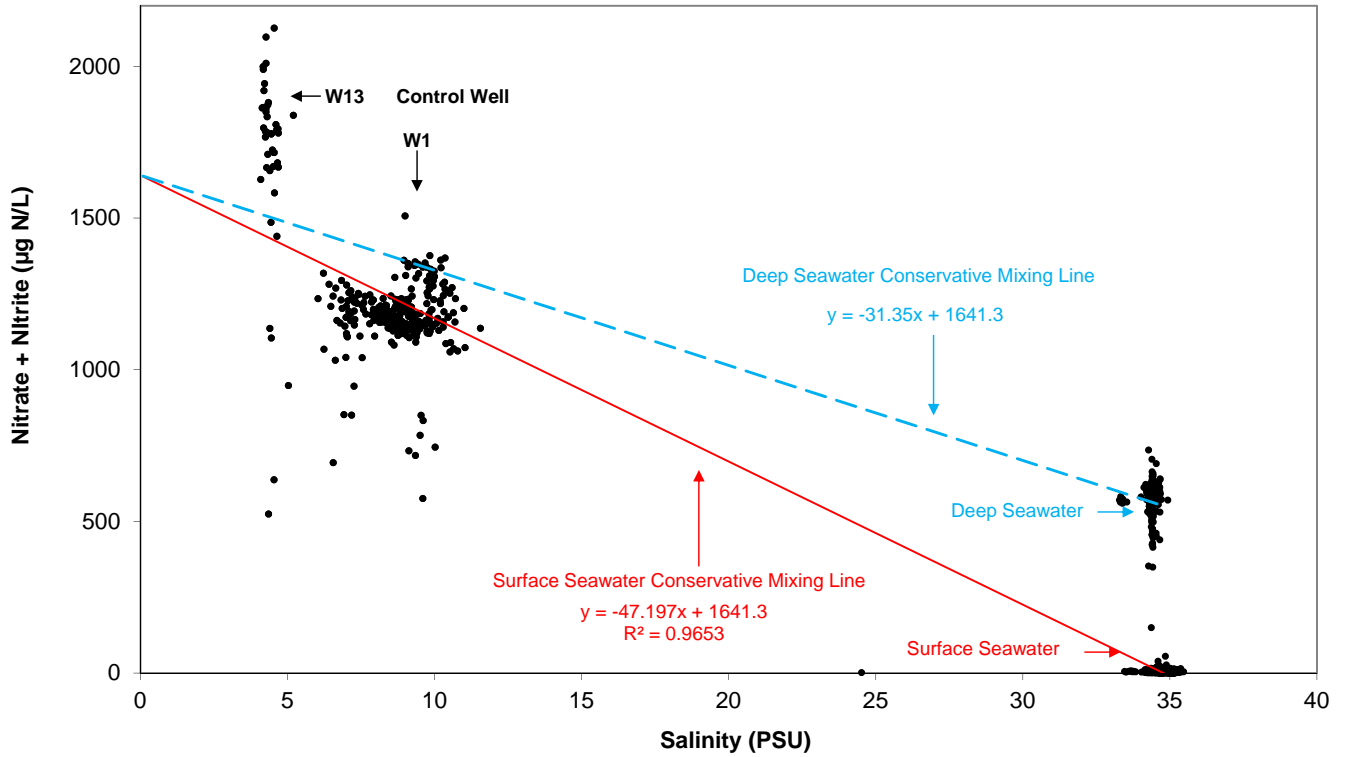


APPENDIX B - NELHA Groundwater Data Tables and Graphs

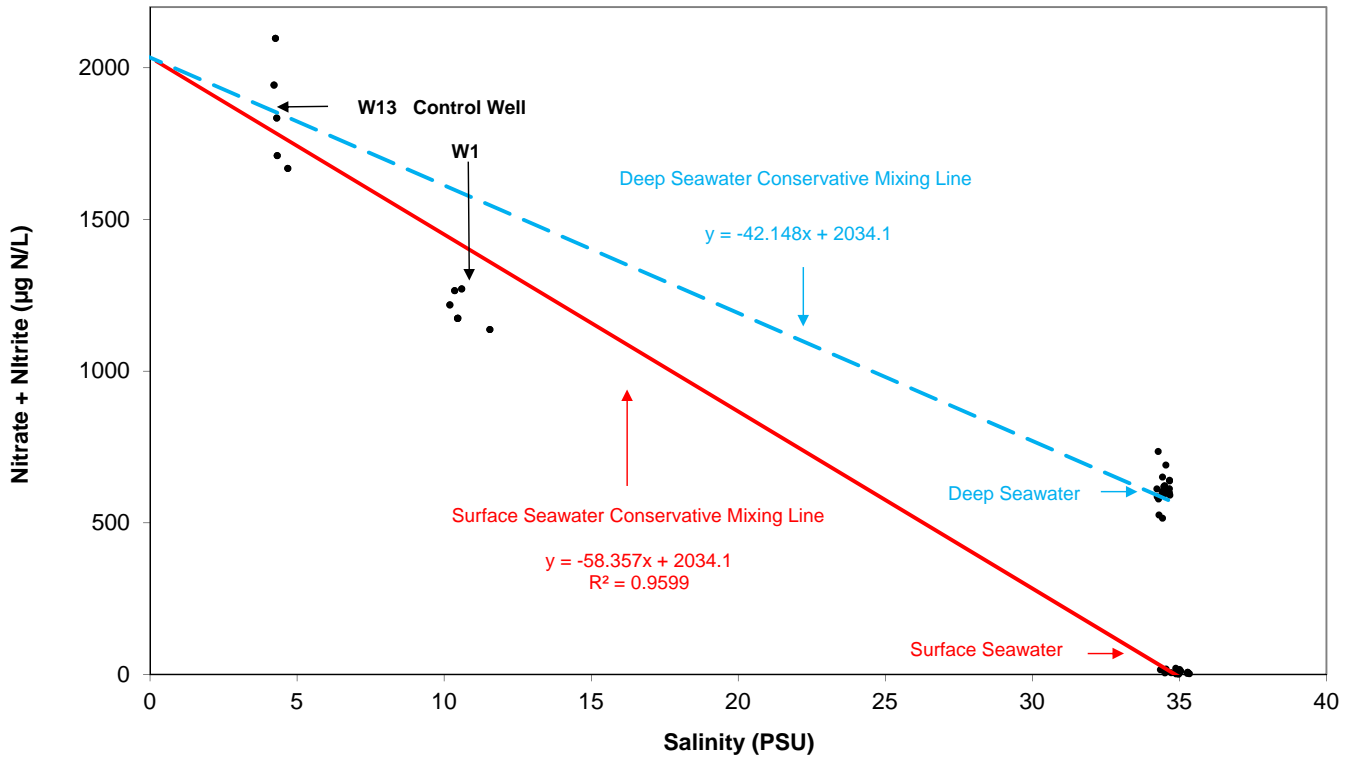
Conservative Mixing Model	Appendix B-MPM-1
Well 1	Appendix B-1-1
Well 2	Appendix B-2-1
Well 2A	Appendix B-2A-1
Well 2B	Appendix B-2B-1
Well 3	Appendix B-3-1
Well 3A	Appendix B-3A-1
Well 3B	Appendix B-3B-1
Well 4	Appendix B-4-1
Well 4A	Appendix B-4A-1
Well 5	Appendix B-5-1
Well 5A	Appendix B-5A-1
Well 5B	Appendix B-5B-7
Well 6	Appendix B-6-1
Well 6A	Appendix B-6A-1
Well 6B	Appendix B-6B-1
Well 7	Appendix B-7-1
Well 7A	Appendix B-7A-1
Well 7B	Appendix B-7B-1
Well 8	Appendix B-8-1
Well 8A	Appendix B-8A-1
Well 8B	Appendix B-8B-1
Well 9	Appendix B-9-1
Well 9A	Appendix B-9A-1
Well 9B	Appendix B-9B-7
Well 10	Appendix B-10-1
Well 10A	Appendix B-10A-1
Well 10B	Appendix B-10B-1
Well 11	Appendix B-11-1
Well 11A	Appendix B-11A-1
Well 11B	Appendix B-11B-1
Well 12	Appendix B-12-1
Well 12A	Appendix B-12A-1
Well 12B	Appendix B-12B-1
Well 13	Appendix B-13-1
Seawater Return Trench 4	Appendix B-SRT4-1
Seawater Return Trench 5	Appendix B-SRT5-1
Anchialine Pond A1	Appendix B-A1-1
Anchialine Pond A2	Appendix B-A2-1
Anchialine Pond A3.....	Appendix B-A3-1
Coastal Site C24	Appendix B-C24-1

Conservative Mixing Model
Control Well to Surface and Deep Seawater
Nitrate + Nitrite, Ortho-Phosphate, and Silicate

Nitrate + Nitrite
Conservative Mixing Model
1982-2015 n=1369

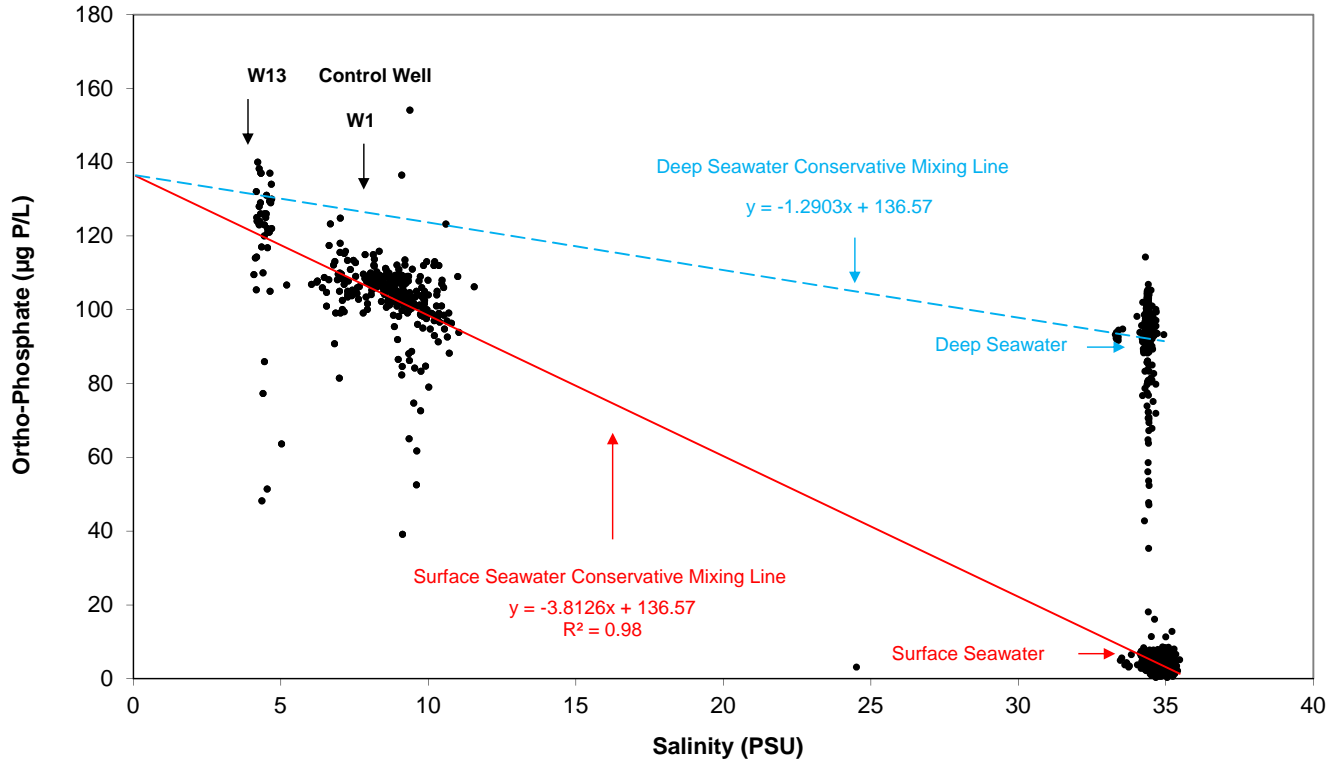


Nitrate + Nitrite
Conservative Mixing Model
2014-2015 n=32

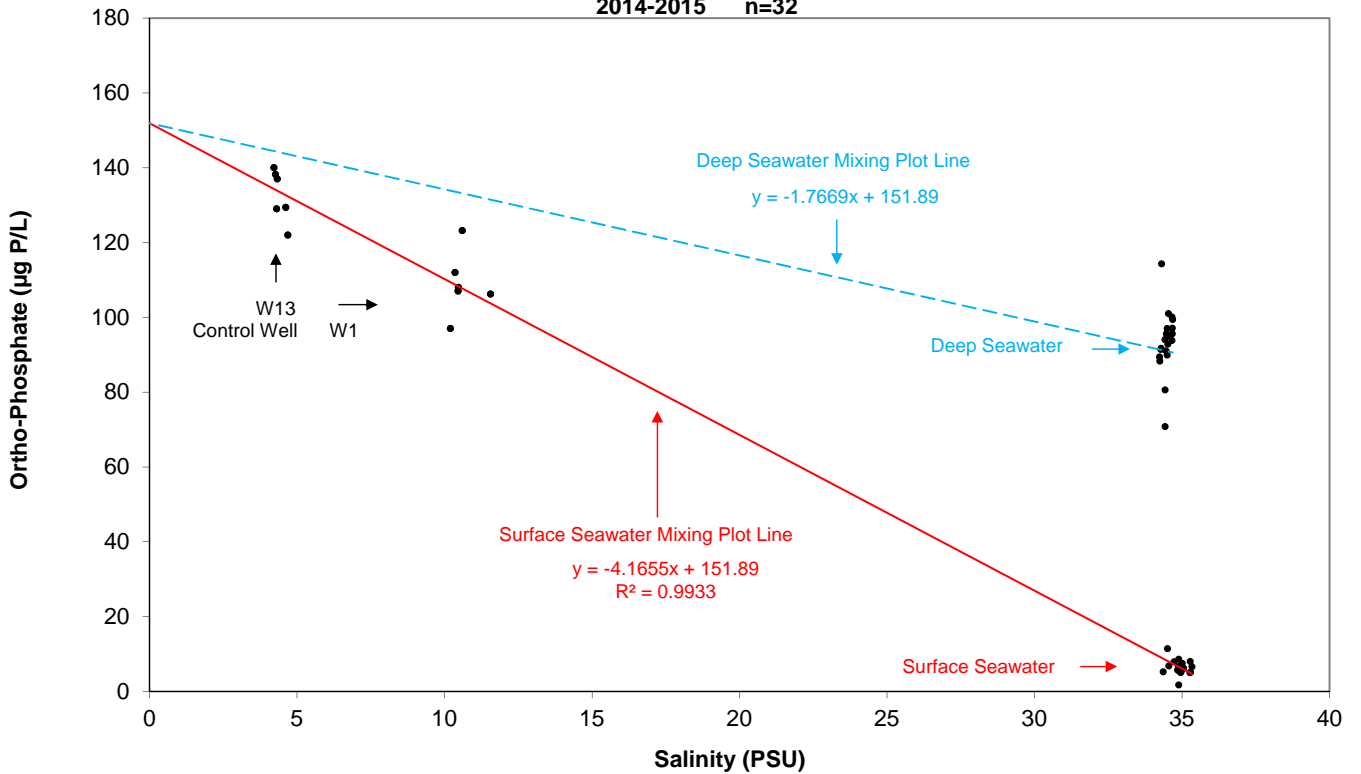


Conservative Mixing Model
Control Well to Surface and Deep Seawater
Nitrate + Nitrite, Ortho-Phosphate, and Silicate

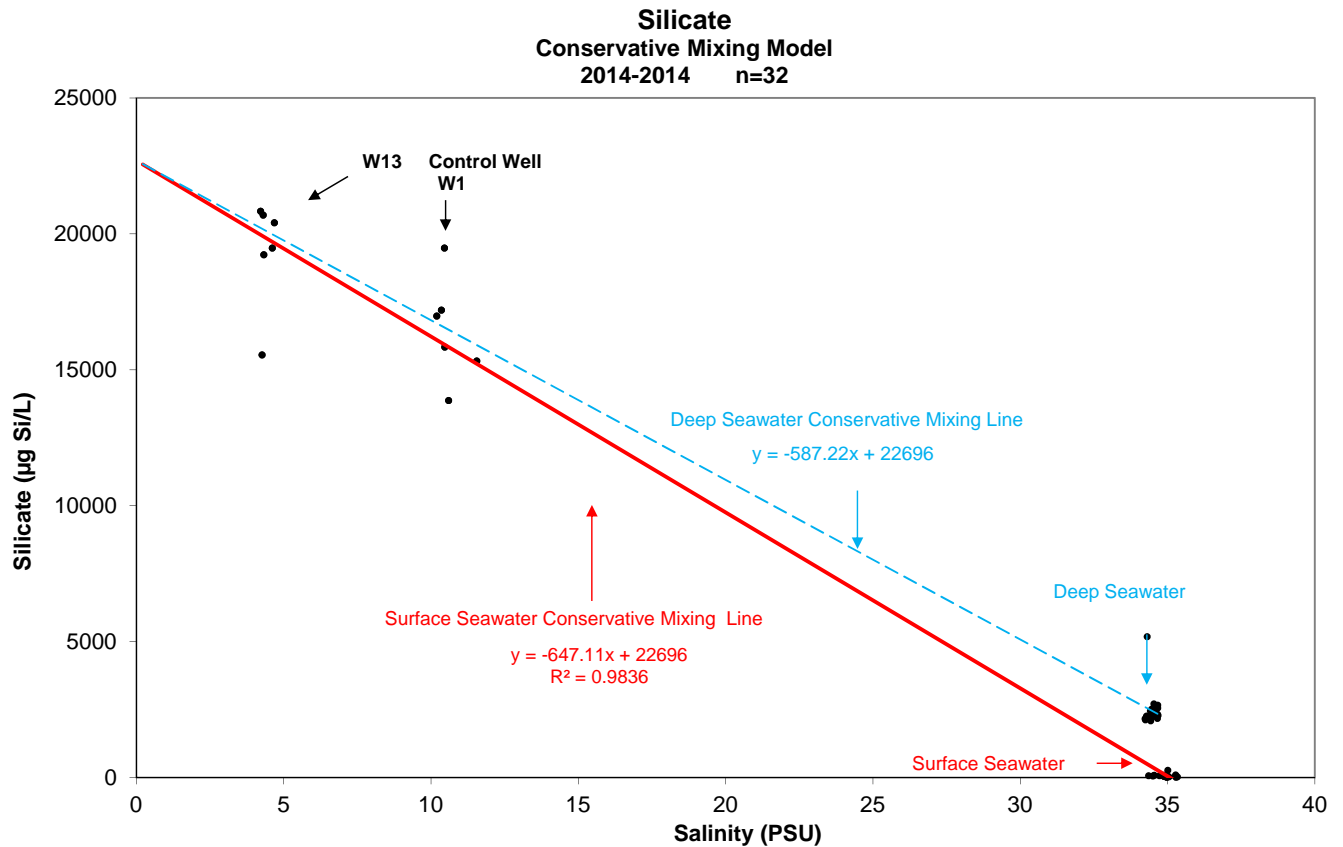
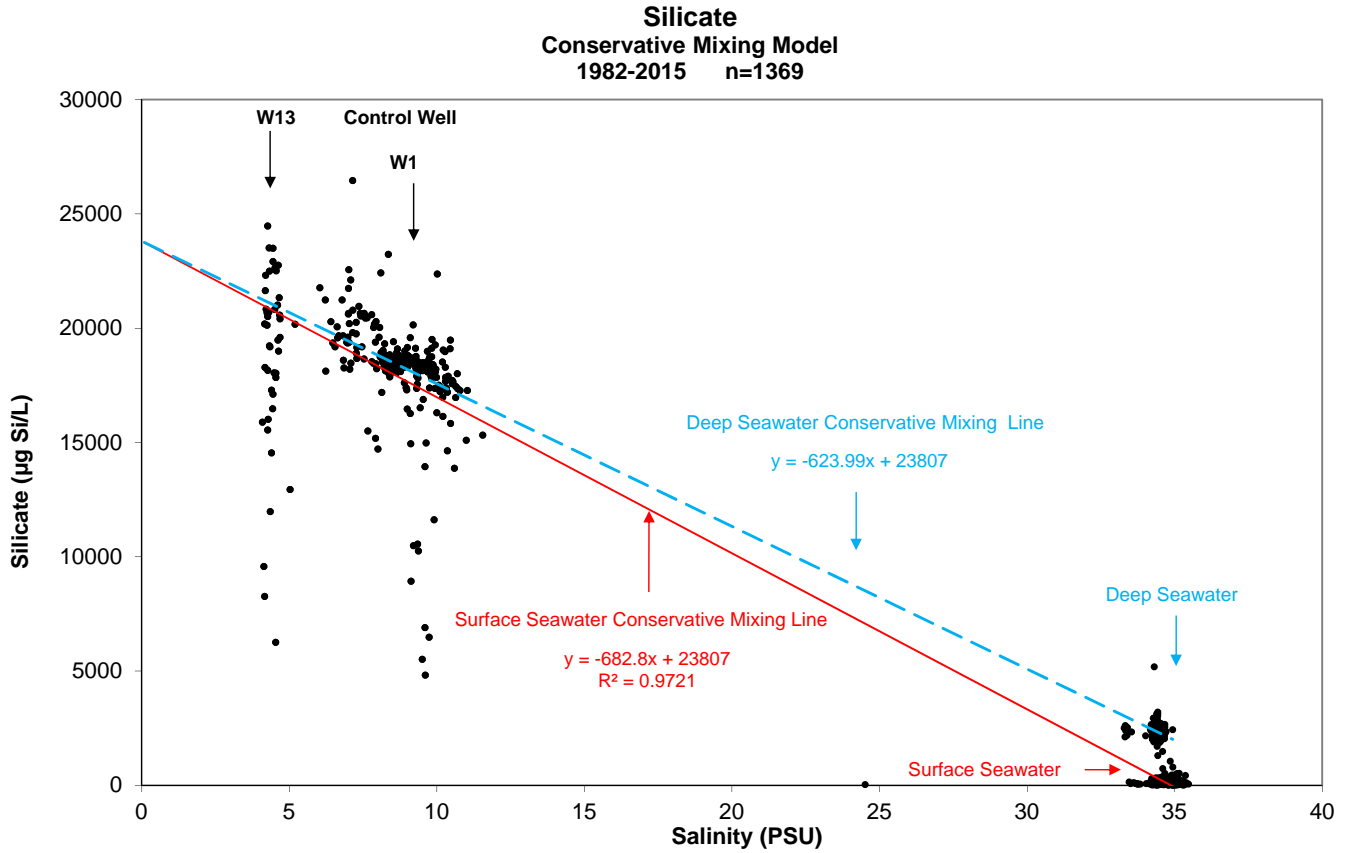
Ortho-Phosphorus
Conservative Mixing Model
1982-2015 n=1369



Ortho-Phosphorus
Conservative Mixing Model
2014-2015 n=32



Conservative Mixing Model
Control Well to Surface and Deep Seawater
Nitrate + Nitrite, Ortho-Phosphate, and Silicate



NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml						
W1	-36.58	8/30/93	1115			3.34	103	87.8	1230	0.00	0.0	718	20165	3.35	104	99.6	1395	0.65	20.5	7.90	7.890	7.66		<1	<1
W1	-36.58	10/25/93	1008			3.46	107	83.9	1175	0.10	1.4	674	18930	3.55	110	85.2	1194	0.58	20.1	7.92	8.115	7.52		<1	<1
W1	-36.58	3/1/94	929			3.56	110	88.1	1235	0.11	1.5	654	18368	3.56	110	109	1524	0.63	20.1	7.90	8.253	7.08		<1	<1
W1	-36.58	6/20/94	954			3.40	105	85.2	1193	0.08	1.1	667	18740	3.41	106	99.0	1387	0.62	20.1	7.90	8.085	7.48		<1	<1
W1	-36.58	8/22/94	805			3.50	108	86.1	1206	0.06	0.8	798	22412	3.56	110	96.5	1352	0.62	20.2	7.90	8.104	7.55		<1	<1
W1	-36.58	10/24/94	1041			3.38	105	81.1	1135	0.04	0.6	657	18438	3.39	105	82.7	1158	0.47	20.2	7.91	8.485	7.40		<1	<1
W1	-36.58	1/23/95	1116			3.38	105	82.8	1159	0.09	1.3	643	18070	3.45	107	86.1	1205	0.44	20.6	7.89	8.482	7.34		<1	<1
W1	-36.58	2/13/95	1101			3.49	108	84.9	1190	0.21	2.9	646	18129	3.49	108	91.5	1281	0.50	20.1	7.92	8.262	7.40		<1	<1
W1	-36.58	3/13/95	1145			3.53	109	84.0	1177	0.04	0.6	827	23227	3.57	111	86.1	1206	0.51	20.3	7.92	8.361	7.42		<1	<1
W1	-36.58	4/24/95	1033			3.49	108	84.1	1179	0.11	1.5	688	19312	3.50	108	86.6	1213	0.48	20.1	7.91	8.237	7.43		<1	<1
W1	-36.58	5/8/95	1132			3.49	108	83.6	1171	0.14	2.0	651	18292	3.50	108	90.3	1265	0.54	20.4	7.89	8.324	7.41		<1	<1
W1	-36.58	6/19/95	1112			3.53	109	85.1	1191	0.16	2.2	663	18621	3.53	109	88.4	1238	0.54	20.3	7.87	8.547	7.43		<1	<1
W1	-36.58	7/24/95	1039			3.44	107	85.4	1196	0.15	2.1	671	18851	3.55	110	87.9	1231	0.76	20.3	7.89	8.213	6.98		<1	<1
W1	-36.58	8/21/95	1126			3.42	106	82.6	1157	0.23	3.2	653	18326	3.45	107	86.4	1210	0.46	20.3	7.93	8.528	7.21		<1	<1
W1	-36.58	9/11/95	1002			3.42	106	84.6	1185	0.20	2.8	659	18506	3.47	107	88.3	1236	0.57	20.5	7.90	8.170	7.38		<1	<1
W1	-36.58	10/16/95	1034			3.37	104	79.5	1113	0.20	2.8	653	18348	3.46	107	81.1	1136	0.67	20.7	7.92	8.760	broken		<1	<1
W1	-36.58	11/6/95	1035			3.46	107	85.2	1193	0.18	2.5	677	19017	3.52	109	91.0	1274	0.61	20.3	7.94	8.178	7.27		<1	<1
W1	-36.58	12/4/95	1028			3.44	107	84.3	1181	0.01	0.1	665	18674	3.45	107	86.3	1209	0.68	20.1	7.91	8.259	7.27		1	3
W1	-36.58	1/29/96	1111			3.43	106	81.2	1138	0.13	1.8	663	18618	3.51	109	85.4	1196	0.85	21.0	7.91	8.420	7.43		<1	<1
W1	-36.58	2/26/96	1138			3.43	106	82.6	1156	0.13	1.8	648	18204	3.51	109	85.3	1194	0.60	21.8	7.89	8.514	7.33		<1	<1
W1	-36.58	3/5/96	1037			3.52	109	85.2	1193	0.14	2.0	664	18642	3.53	109	88.7	1242	0.66	20.5	7.90	8.164	7.49		1556	1248
W1	-36.58	4/1/96	1111			3.46	107	83.8	1174	0.22	3.1	652	18299	3.47	107	86.8	1216	0.70	20.8	7.87	8.212	7.50		<1	<1
W1	-36.58	5/8/96	1123			3.46	107	82.4	1154	0.05	0.7	652	18322	3.47	107	85.9	1204	0.53	20.8	7.86	8.360	7.32		3	19
W1	-36.58	6/17/96	1038			3.55	110	85.2	1194	0.33	4.6	698	19600	3.62	112	88.4	1238	0.51	20.4	7.89	8.045	7.43		<1	<1
W1	-36.58	7/16/96	1045			3.47	107	85.6	1199	0.13	1.8	690	19383	3.59	111	88.3	1237	0.57	20.5	7.90	7.919	7.40		<1	<1
W1	-36.58	8/5/96	1128			3.50	108	82.9	1162	0.19	2.7	644	18090	3.52	109	87.0	1218	0.50	21.0	7.88	8.689	7.27		1	<1
W1	-36.58	9/3/96	1049			3.41	106	81.8	1146	0.17	2.4	671	18839	3.52	109	85.5	1198	0.45	21.1	7.88	8.666	7.29		<1	<1
W1	-36.58	10/8/96	1209			3.50	108	83.6	1171	0.11	1.5	636	17866	3.65	113	88.9	1246	0.58	20.7	7.92	8.410	7.36		<1	136
W1	-36.58	11/4/96	1115			3.44	107	83.1	1164	0.18	2.5	670	18826	3.48	108	86.3	1209	0.56	21.0	7.86	8.642	7.34		<1	<1
W1	-36.58	12/16/96	1050			3.45	107	82.7	1159	0.20	2.8	654	18358	3.49	108	86.2	1207	0.59	20.4	7.89	8.874	7.24		<1	<1
W1	-36.58	1/13/97	1131			3.64	113	87	1212	0.02	0.3	664	18652	3.83	119	89.4	1252	0.62	20.9	7.91	7.533	7.73		<1	<1
W1	-36.58	2/11/97	1136			3.23	100	89	1253	0.21	2.9	658	18469	3.24	100	92.5	1296	0.59	21.1	7.91	7.088	7.86		<1	<1
W1	-36.58	3/11/97	1108			3.48	108	88	1235	0.04	0.6	665	18671	3.5*	0	90.3	1265	0.56	20.4	7.93	7.290	7.77		<1	<1
W1	-36.58	4/22/97	1118			3.43	106	85	1184	0.20	2.8	552	15495	3.46	107	94.8	1328	0.56	20.6	7.92	7.664	7.24		<1	<1
W1	-36.58	5/27/97	1023			3.52	109	88	1230	0.09	1.3	540	15175	3.61	112	95.3	1335	0.51	19.9	7.92	7.923	7.44		<1	<1
W1	-36.58	6/16/97	1042			3.45	107	84	1175	0.19	2.7	524	14708	3.49	108	93.7	1313	0.55	19.6	7.97	8.009	7.40		<1	<1
W1	-36.58	7/16/97	952			3.50	108	84	1181	0.30	4.2	657	18461	3.62	112	91.2	1277	0.52	19.8	7.92	7.854	7.45		<1	<1
W1	-36.58	8/25/97	1050			3.42	106	78	1091	0.07	1.0	691	19404	3.44	107	80.9	1133	0.53	19.1	7.98	8.535	7.14		<1	<1
W1	-36.58	9/22/97	1131			3.30	102	77	1081	0.07	1.0	657	18461	3.34	103	78.5	1100	0.51	20.3	8.03	8.625	7.12		<1	<1
W1	-36.58	10/15/97	1008			3.54	110	89	1247	0.07	1.0	660	18531	3.69	114	100	1402	0.51	20.0	8.03	7.801	7.32		<1	<1
W1	-36.58	11/3/97	953			3.45	107	86.5	1212	0.12	1.7	642	18034	3.56	110	96.2	1347	0.49	20.0	8.00	8.365	7.29		<1	<1
W1	-36.58	12/15/97	1110			3.48	108	79.3	1111	0.11	1.5	649	18219	3.68	114	84.0	1177	0.58	20.3	8.04	7.966	7.48		<1	<1
W1	-36.58	1/6/98	930			3.49	108	83.4	1168	0.01	0.1	658	18475	3.77	117	88.9	1245	0.62	19.8	8.04	8.321	7.45		<1	<1
W1	-36.58	2/2/98	1127			3.42	106	82.6	1157	0.04	0.6	658	18491	3.59	111	85.9	1203	0.59	20.1	8.02	8.231	7.41		<1	<1
W1	-36.58	3/9/98	1121			3.67	114	83.4	1168	0.33	4.6	660	18539	3.69	114	85.3	1195	0.60	20.1	7.89	8.174	7.40		<1	<1
W1	-36.58	4/13/98	955			3.62	112	84	1172	0.23	3.2	662	18604	3.68	114	86.6	1212	0.61	19.9	7.90	8.158	7.46		<1	<1
W1	-36.58	5/11/98	1048			3.71	115	83	1156	0.03	0.4	612	17188	3.86	120	84.8	1188	0.58	20.0	7.89	8.135	7.41		<1	<1
W1	-36.58	6/1/98	1038			3.55	110	86.2	1208	0.18	2.5	661	18569	3.61	112	89.8	1258	0.55	20.1	7.89	8.667	7.32		<1	<1

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W1	-36.58	7/15/02	11:12			3.48	108	84.5	1184	0.07	1.0	637	17902	3.55	110	85.5	1198	0.57	20.0	7.93	9.326	7.12	<1	<1
W1	-36.58	8/20/02	11:00			3.42	106	78.9	1105	0.09	1.3	658	18472	3.60	112	78.6	1101	0.49	20.1	7.89	9.141	7.31	<1	<1
W1	-36.58	9/23/02	11:37			3.38	105	87.5	1225	0.15	2.1	657	18455	3.58	111	75.7	1061	0.43	20.7	7.90	8.966	7.35	<1	<1
W1	-36.58	10/14/02	10:50			3.27	101	83.0	1163	0.08	1.1	651	18272	3.44	107	71.9	1006	0.42	20.3	7.94	9.711	7.12	<1	<1
W1	-36.58	11/4/02	10:58			3.49	108	87.9	1232	0.02	0.3	658	18491	3.58	111	78.9	1105	0.44	20.2	7.92	9.085	7.32	<1	<1
W1	-36.58	12/17/02	11:30			3.26	101	81.8	1146	0.16	2.2	659	18503	3.47	107	76.4	1071	0.42	21.0	7.92	9.176	7.18	<1	<1
W1	-36.58	1/29/03	10:37			3.38	105	86.7	1215	0.48	6.7	656	18424	3.45	107	93.5	1310	0.62	20.3	7.90	9.023	7.31	<1	<1
W1	-36.58	2/10/03	10:25			3.20	99	82.5	1156	0.13	1.8	668	18761	3.43	106	87.4	1224	0.51	20.1	7.90	9.295	7.12	<1	<1
W1	-36.58	3/19/03	11:10			3.46	107	79.5	1114	0.11	1.5	668	18770	3.69	114	87.5	1226	0.56	20.1	7.97	9.048	7.21	<1	<1
W1	-36.58	4/28/03	10:45			3.53	109	86.4	1210	0.17	2.4	659	18506	3.54	110	91.2	1277	0.45	20.6	7.97	9.105	7.28	<1	<1
W1	-36.58	5/12/03	10:26			3.50	108	85.3	1195	0.19	2.7	717	20137	3.57	111	92.0	1289	0.42	20.4	7.99	9.198	7.30	<1	<1
W1	-36.58	6/3/03	10:57			3.53	109	85.6	1199	0.51	7.1	656	18430	3.75	116	90.0	1260	0.41	20.3	7.86	8.995	7.26	<1	<1
W1	-36.58	7/29/03	11:14			3.41	106	87.9	1231	0.16	2.2	663	18607	3.55	110	97.7	1369		20.4	7.95	8.791	7.51	<1	1
W1	-36.58	8/26/03	11:00			3.32	103	86.1	1206	0.52	7.3	654	18362	3.44	107	95.7	1340		21.3	7.86	8.950	7.14	<1	<1
W1	-36.58	9/15/03	11:03			3.46	107	88.7	1242	0.30	4.2	658	18466	3.77	117	91.6	1283		20.9	7.85	9.235	7.31	<1	<1
W1	-36.58	10/6/03	10:59			3.62	112	80.8	1131	0.54	7.6	662	18593	3.70	115	86.6	1214		20.4	7.88	9.211	NA	<1	<1
W1	-36.58	10/28/03	11:41			3.38	105	86.2	1207	0.30	4.2	664	18635	3.54	110	99.6	1395		19.8	7.86	9.217	NA	<1	<1
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	3.42	106	81.9	1147		20.4	7.87	9.751	7.07	<1	<1
W1	-36.58	1/26/04	11:14			3.22	100	84.0	1177	0.20	2.8	661	18553	3.34	103	85.6	1199		20.1	7.94	9.340	7.02	<1	1
W1	-36.58	2/5/04	10:48			3.36	104	93.6	1310	0.17	2.4	669	18800	3.52	109	104	1450		20.6	7.88	9.017	7.20	<1	<1
W1	-36.58	3/2/04	10:20			3.46	107	86.6	1214	1.04	14.6	668	18772	3.54	110	92.1	1290		20.4	7.92	8.770	6.89	<1	<1
W1	-36.58	4/22/04	9:00			3.42	106	88.7	1243	0.13	1.8	661	18559	3.48	108	94.4	1322		20.5	7.91	8.521	7.44	<1	5
W1	-36.58	5/18/04	8:37			3.30	102	85.3	1195	0.14	2.0	670	18829	3.37	104	88.0	1233		20.6	7.91	8.41	8.73	<1	<1
W1	-36.58	6/8/04	8:40			3.40	105	85.7	1201	2.45	34.3	674	18924	3.47	107	92.0	1289		20.3	7.86	8.64	7.38	<1	TNTC
W1	-36.58	7/19/04	9:36			3.32	103	93.1	1304	0.16	2.2	643	18062	3.30	102	128	1790		20.3	7.85	8.65	7.34	<1	TNTC
W1	-36.58	8/25/04	8:54			3.18	98	84.1	1178	0.16	2.2	667	18725	3.35	104	90.5	1268		20.4	7.86	8.82	7.21	<1	<1
W1	-36.58	9/28/04	8:46			3.22	100	87.9	1232	0.18	2.5	660	18522	3.36	104	100	1406		20.4	7.86	9.11	9.38	<1	<1
W1	-36.58	10/5/04	9:07			3.22	100	80.5	1127	0.18	2.5	643	18059	3.42	106	84.5	1183		20.4	7.88	9.85	6.80	<1	<1
W1	-36.58	11/9/04	9:56			3.30	102	81.4	1141	0.09	1.3	648	18205	3.46	107	86.2	1208		20.6	7.87	9.30	7.13	<1	<1
W1	-36.58	12/6/04	10:30			3.18	98	80.0	1121	0.20	2.8	645	18124	3.28	102	84.4	1182		20.9	7.88	9.75	6.94	<1	<1
W1	-36.58	1/10/05	9:59			3.34	103	81.8	1146	0.10	1.4	658	18486	3.42	106	84.4	1182		20.8	7.91	9.556	7.01	<1	<1
W1	-36.58	2/9/05	9:59			3.32	103	87.8	1230	0.13	1.8	657	18449	3.41	106	107	1497		20.7	7.91	9.114	7.13	<1	<1
W1	-36.58	3/15/05	10:24			3.28	102	84.7	1186	0.23	3.2	659	18500	3.48	108	90.3	1265	0.37	20.9	7.91	9.148	7.19	<1	<1
W1	-36.58	4/19/05	9:38			3.32	103	81.0	1134	0.16	2.2	658	18477	3.36	104	85.7	1200		21.2	7.93	9.105	7.23	<1	<1
W1	-36.58	5/23/05	10:23			3.30	102	87.6	1227	0.10	1.4	662	18579	3.36	104	91.9	1287		20.6	7.89	9.098	8.10	<1	<1
W1	-36.58	6/15/05	9:27			3.28	102	84.6	1185	0.14	2.0	646	18135	3.58	111	94.1	1318		20.5	7.85	9.517	7.03	<1	<1
W1	-36.58	7/18/05	9:55			3.32	103	82.1	1150	0.18	2.5	665	18682	3.50	108	84.4	1182	0.56	20.6	7.86	9.184	7.10	1	3
W1	-36.58	8/9/05	10:06			3.24	100	81.8	1145	0.26	3.6	647	18157	3.36	104	84.8	1188	0.38	21.0	7.91	9.435	7.01	1	3
W1	-36.58	9/20/05	9:55			3.28	102	81.0	1134	0.14	2.0	656	18413	3.44	107	81.4	1140	0.59	20.8	7.88	9.499	7.11	<1	76
W1	-36.58	10/17/05	9:53			3.34	103	82.8	1160	0.20	2.8	656	18421	3.54	110	87.7	1228		20.7	7.88	9.461	7.12	169	<1
W1	-36.58	11/7/05	9:23			3.12	97	77.5	1086	0.02	0.3	637	17890	3.36	104	82.2	1152		20.2	7.87	10.387	6.83	3	<1
W1	-36.58	12/21/05	8:52			3.18	98	75.6	1058	0.16	2.2	625	17562	3.38	105	78.6	1101	0.57	20.4	7.89	10.528	6.78	<1	1
W1	-36.58	1/23/06	9:52			3.28	102	82.3	1153	0.08	1.1	655	18399	3.42	106	83.6	1170		20.9	7.87	9.869	6.98	<1	<1
W1	-36.58	2/14/06	9:48			3.31	103	85.4	1196	0.18	2.5	651	18275	3.34	103	87.7	1229	0.48	20.6	7.85	9.878	6.97	<1	<1
W1	-36.58	3/20/06	10:31			3.33	103	79.9	1119	0.11	1.5	654	18368	3.43	106	84.7	1186	1.09	20.4	7.92	9.821	6.98	<1	<1
W1	-36.58	4/25/06	10:54			3.22	100	83.6	1171	0.14	2.0	634	17806	3.33	103	76.2	1068	0.45	21.3	7.95	9.827	6.83	<1	<1
W1	-36.58	5/22/06	10:10			3.15	98	81.5	1142	0.58	8.1	618	17357	3.59	111	73.9	1034	0.42	20.5	7.91	9.939	6.81	<1	<1
W1	-36.58	6/26/06	10:19			3.06	95	82.3	1153	0.22	3.1	623	17497	3.31	103	77.3	1083	0.44	20.8	7.92	10.065	6.81	<1	<1

NELHA Water Quality Laboratory

Well 1 Data Table

7/3/1989 - 4/4/2016

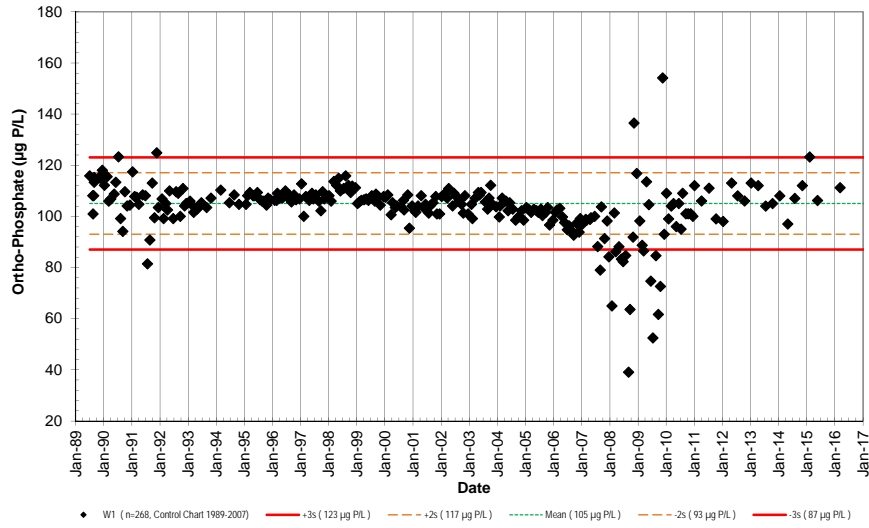
Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.			
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml			
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	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	6.66	0.19	
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	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	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	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	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	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	5.99	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	6.21	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	5.19	0.07	
W1	-36.58	4/1/16																				

NELHA Water Quality Laboratory

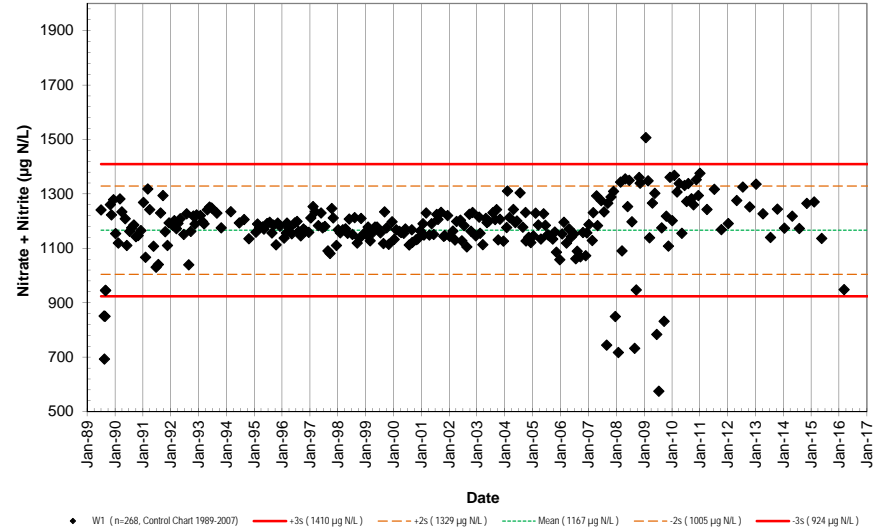
Well 1

7/3/1989 - 4/4/2016

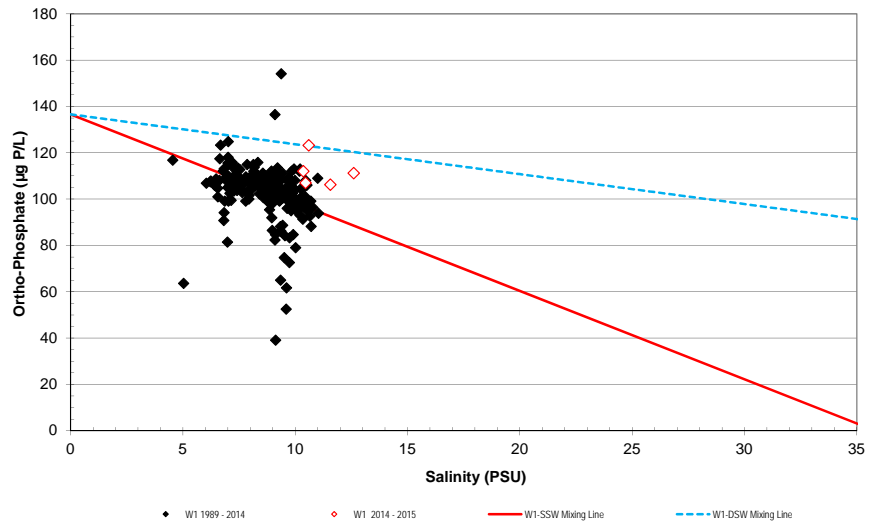
Well #1
Ortho-Phosphate ($\mu\text{g P/L}$)



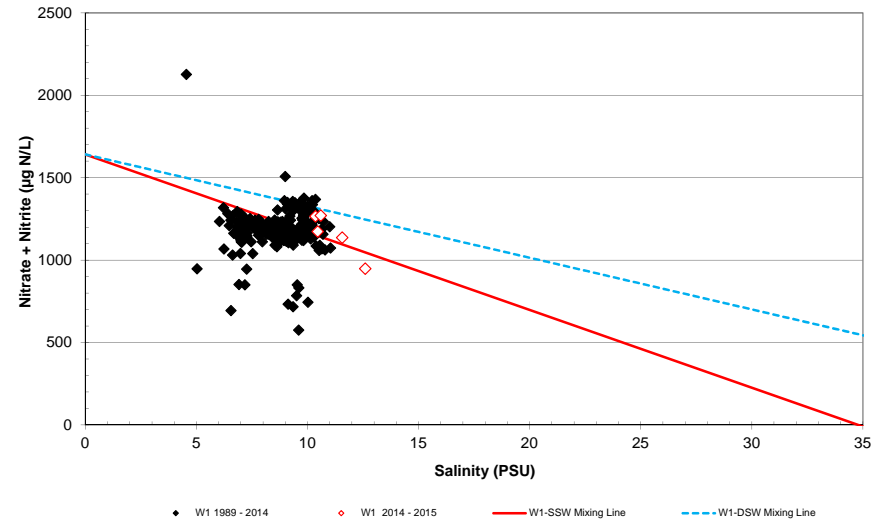
Well #1
Nitrate + Nitrite ($\mu\text{g N/L}$)



Well #1 Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)



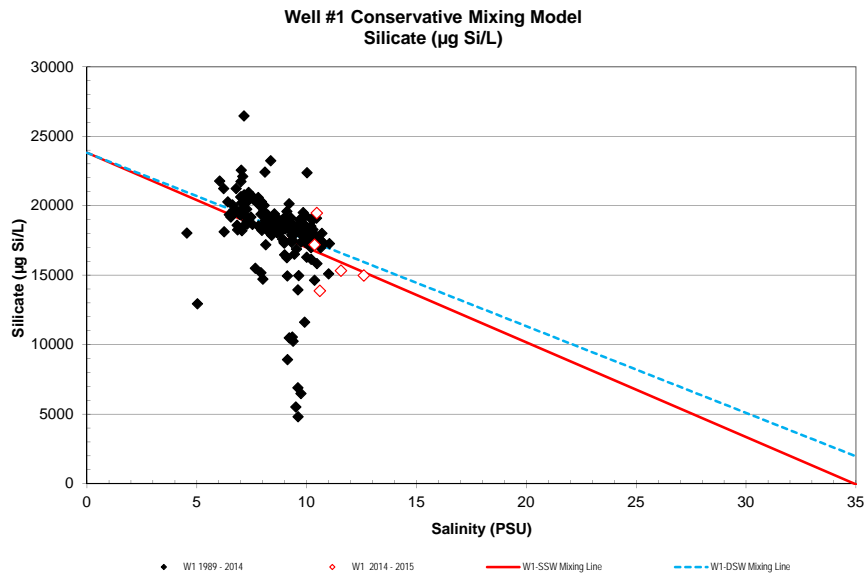
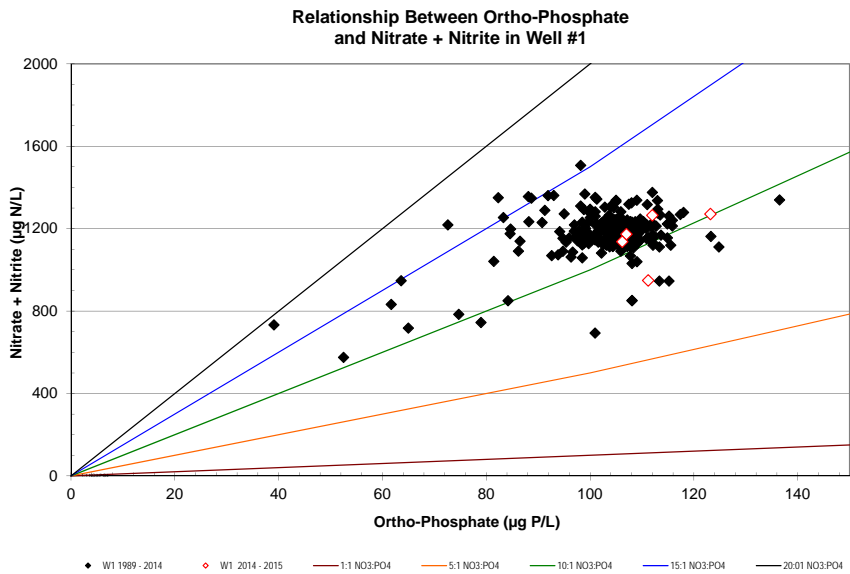
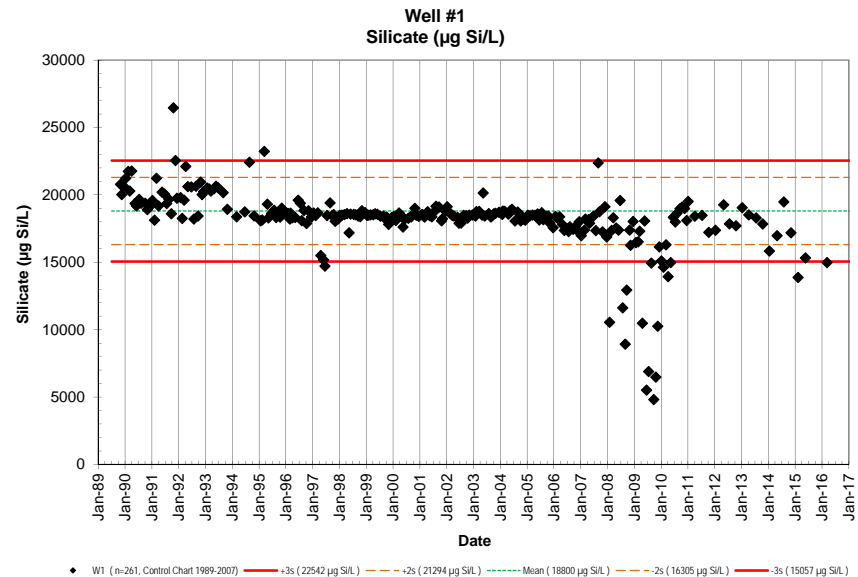
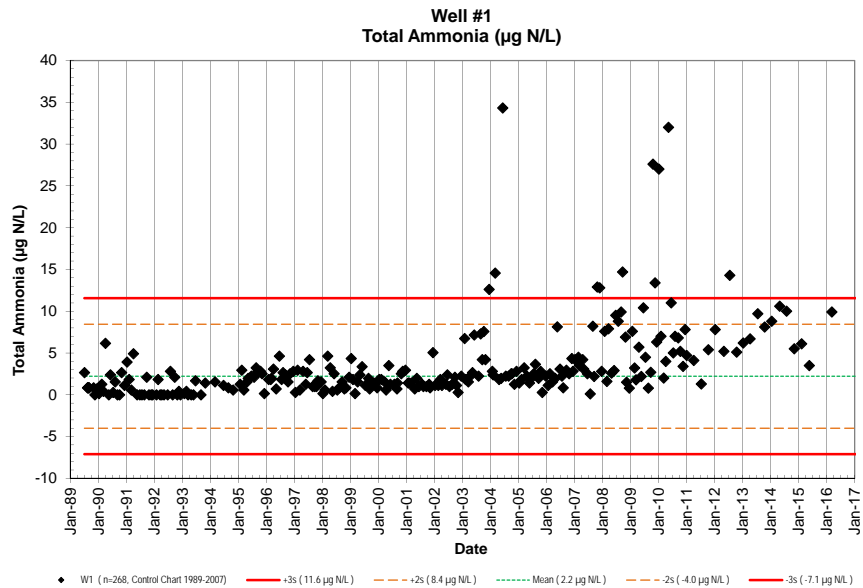
Well #1 Conservative Mixing Model
Nitrate + Nitrite ($\mu\text{g N/L}$)



NELHA Water Quality Laboratory

Well 1

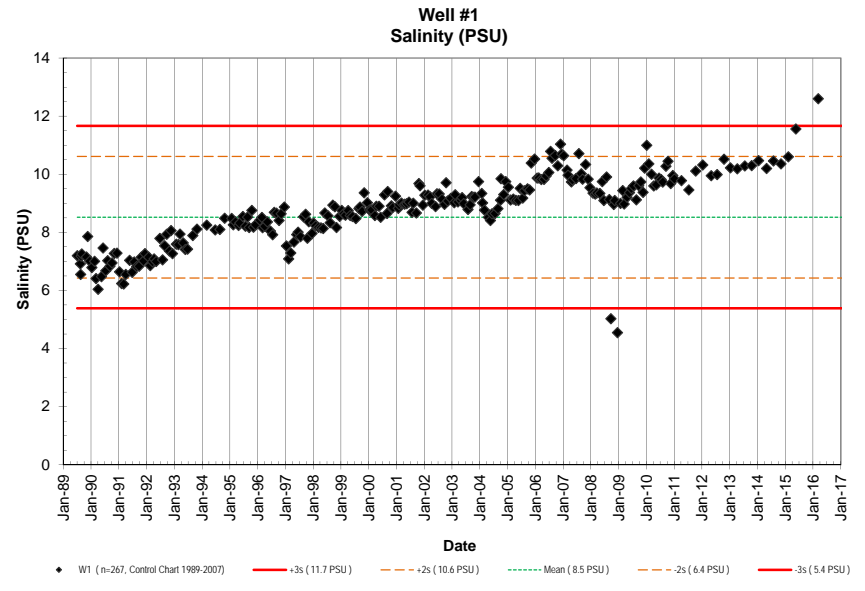
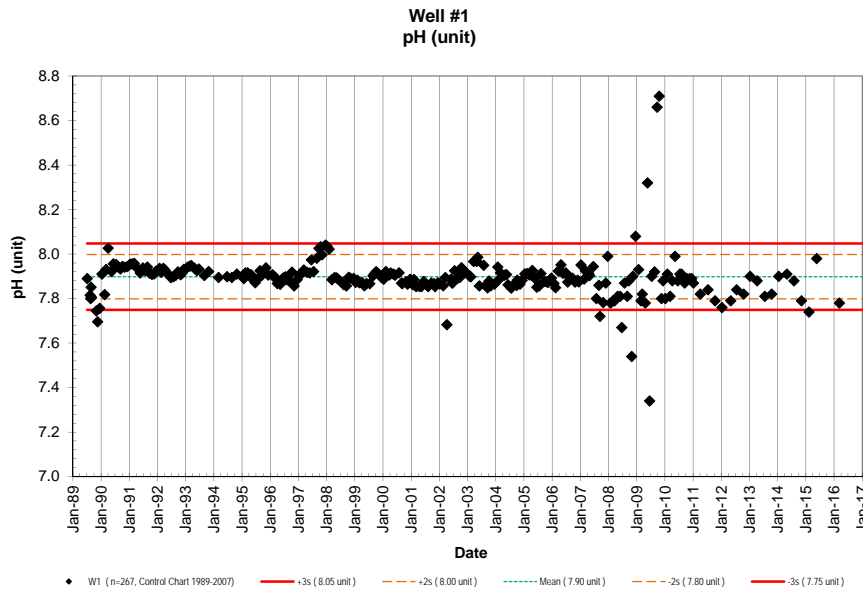
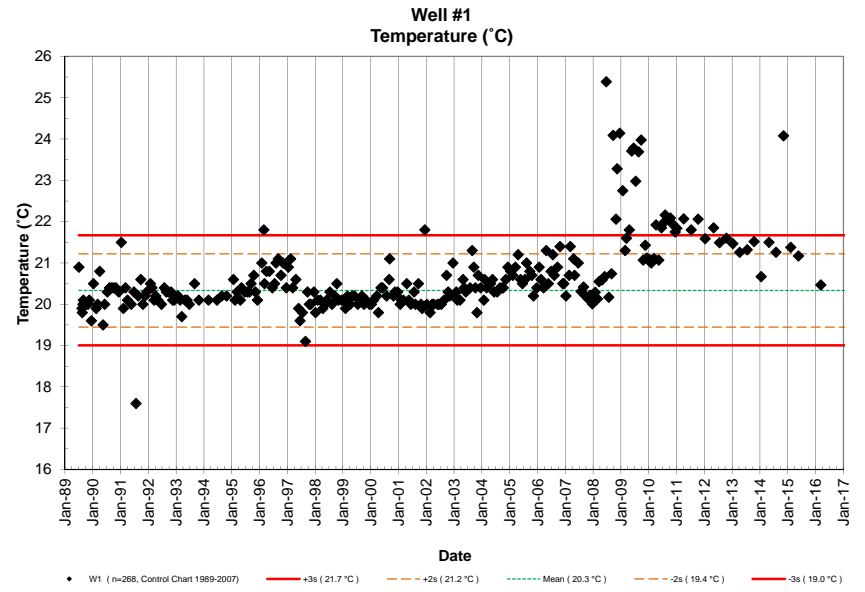
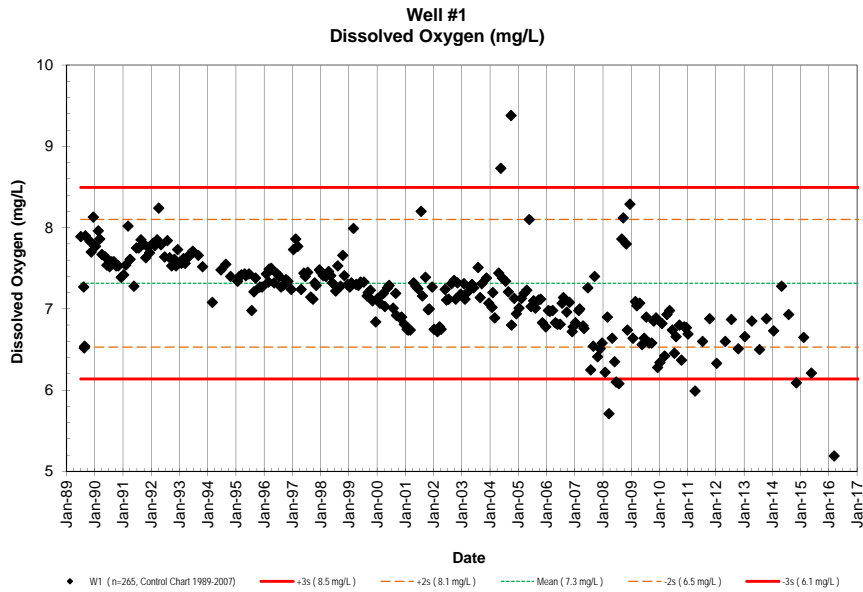
7/3/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 1

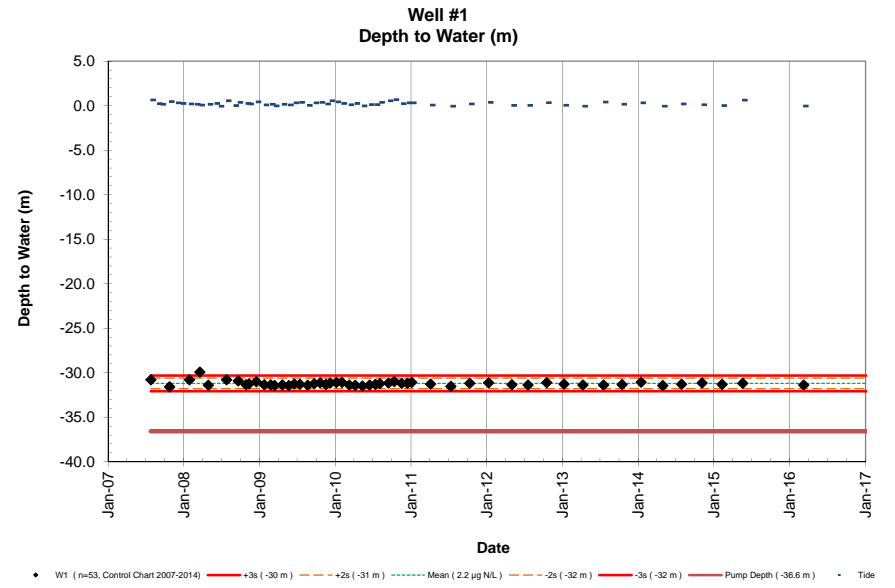
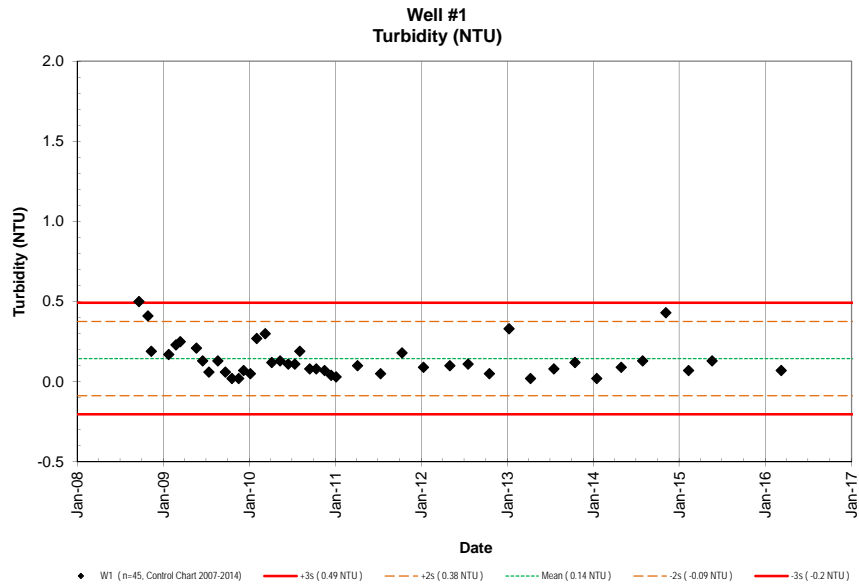
7/3/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 1

7/3/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1989 - 4/4/2016

Table with columns: Site, Pump, Date, Time, Depth to, Tide, PO4^3-, NO3^- & NO2^-, NH4^+ & NH3, Si, TDP, TDN, TOC, Temp., pH, Salinity, DO, Turbidity, Fecal Col., Entero. The table contains 80 rows of data for Well 2, spanning from 1989 to 1994. It lists various water quality parameters such as depth, nitrate, phosphate, and temperature.

NELHA Water Quality Laboratory

Well 2 Data Table

6/28/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W2	-13.11	7/26/07	1339	-1.68	0.61 Flood	3.46	107	70.2	983	1.91	26.7	237	6649	3.55	110	69	972			
W2	-13.11	8/28/07	1140	-1.95	0.08 Flood	3.30	102	62.5	876	0.01	0.1	191	5371	3.19	98.80	63	888			
W2	-13.11	9/13/07	1108	-1.88	0.15 Low	3.36	104	59.0	827	0.01	0.2	208	5845	3.56	110.30	64	901			
W2	-13.11	10/24/07	1439	-1.88	0.46 High	3.16	98	61.2	857	0.16	2.3	208	5849	3.16	97.94	60	838			
W2	-13.11	11/26/07	1139	-2.03	0.15 Ebb	2.55	79	68.2	955	0.01	0.1	210	5910	2.96	91.75	74	1030			
W2	-13.11	12/20/07	1232	-1.88	0.23 High	2.63	82	46.5	651	0.61	8.6	176	4939							
W2	-13.11	1/28/08	1314	-1.83	0.06 Ebb	2.21	68	26.1	365	0.25	3.5	167	4676							
W2	-13.11	2/27/08	1107	-1.80	0.09 Ebb	3.25	101	62.0	869	0.60	8.4	198	5564							
W2	-13.11	3/20/08	1131	-2.03	0.00 Low	2.91	90	59.4	832	0.06	0.8	131	3673							
W2	-13.11	4/28/08	1125	-1.98	0.18 High	2.73	85	57.5	805	0.19	2.6	198	5568							
W2	-13.11	5/30/08	1225	-1.55	0.49 Flood	2.69	83	51.2	718	0.21	2.9	203	5714							
W2	-13.11	6/26/08	1032	-1.62	0.43 High	2.78	86	54.4	762	0.29	4.0	239	6721							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							
W2	-13.11	8/30/08	953		0.03 Low	2.52	78	52.5	735	0.13	1.8	205	5753							
W2	-13.11	9/19/08	926	-1.63	0.58 Ebb	2.46	76	46.0	644	0.33	4.6	143	4008							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							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							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							
W2	-13.11	1/23/09	1339	-2.04	0.15 High	3.42	106	65.2	913	0.00	0.0	184	5160							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							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							0.05
W2	-13.11	4/20/09	1209	-2.11	0.30 Flood	3.83	119	56.5	791	1.26	17.6	157	4422							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							0.13
W2	-13.11	6/16/09	1113	-1.90	0.40 Flood	2.23	69	38.0	533	0.77	10.8	154	4322							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							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							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							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							0.04
W2	-13.11	11/16/09	1357	-2.26	0.18 Flood	3.27	101	51.8	726	0.90	12.6	194	5439							0.04
W2	-13.11	12/7/09	1313	-2.20	0.18 Ebb	3.33	103	59.9	839	1.10	15.4	195	5469							0.08
W2	-13.11	1/5/10	1038	-1.94	0.30 Ebb	2.94	91	52.5	736	1.50	21.0	206	5792							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							0.24
W2	-13.11	3/9/10	1057	-2.23	0.12 Flood	3.23	100	60.6	849	0.36	5	215	6033							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							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							0.24
W2	-13.11	6/15/10	1127	-2.35	0.06 Low	2.91	90	51.4	720	0.36	5	225	6318							0.13
W2	-13.11	7/13/10	1043	-2.32	0.00 Low	2.49	77	60.5	848	0.21	3	212	5945							0.12
W2	-13.11	8/3/10	1037	-1.86	0.52 Flood	2.84	88	64.3	900	0.21	3	226	6351							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							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							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							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							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							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							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							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							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							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							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							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							0.10
W2	-13.11	1/8/13	1111	-2.12	0.15 Flood	3.49	108	76.8	1076	0.21	3	239	6710							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							0.15

NELHA Water Quality Laboratory

Well 2 Data Table

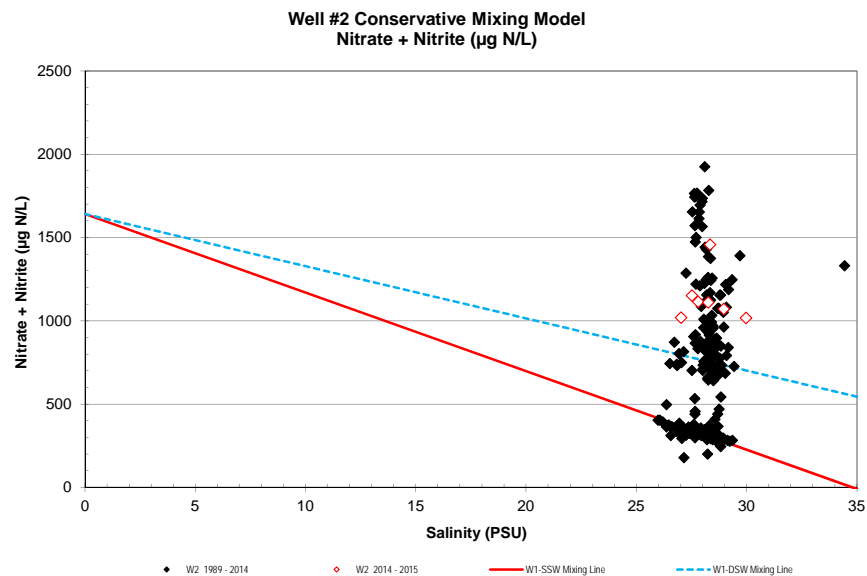
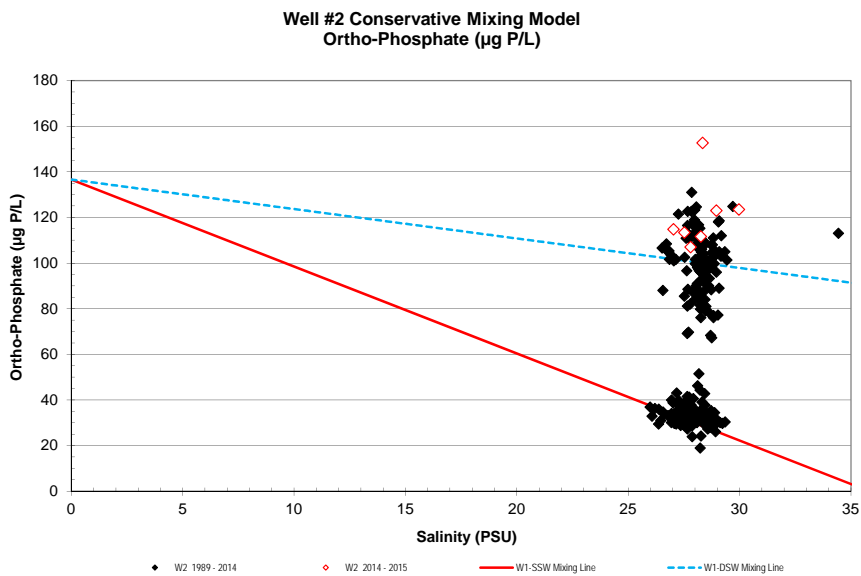
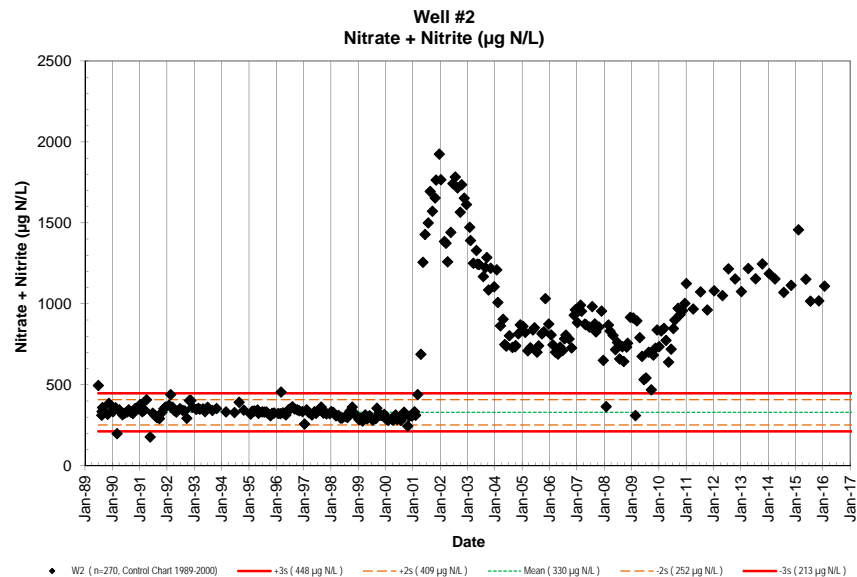
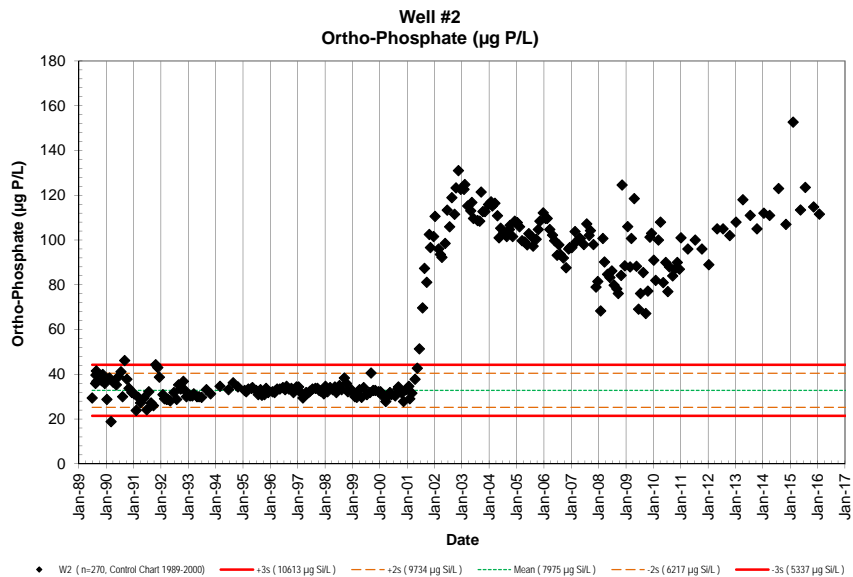
6/28/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.				
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
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	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	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	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	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	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	208	5840			17.4	7.74	27.80	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	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	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	6.08	0.02		
W2	-13.11	11/9/15	1015	-2.08	0.20	Flood	3.71	115	72.7	1019	0.00	0	202	5678			17.4	7.78	27.03	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	6.69	0.15		
W2	-13.11	4/1/16																					

NELHA Water Quality Laboratory

Well 2

6/28/1989 - 4/4/2016

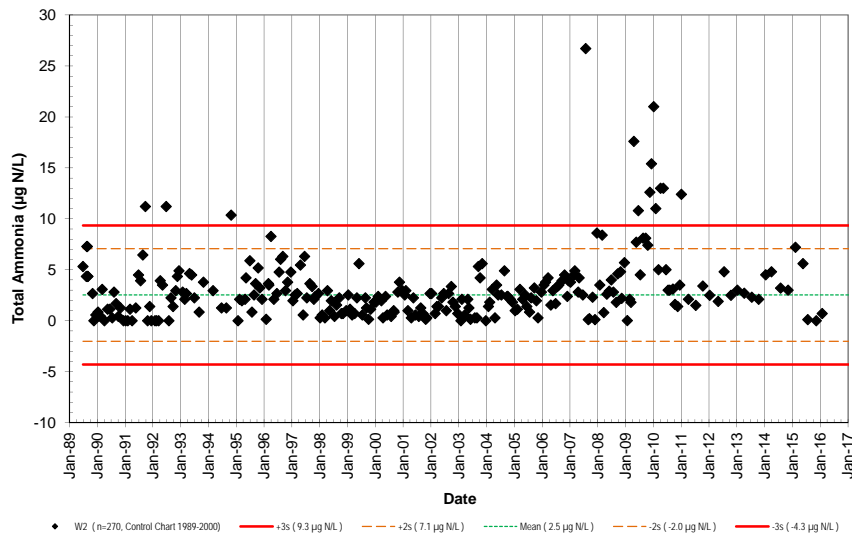


NELHA Water Quality Laboratory

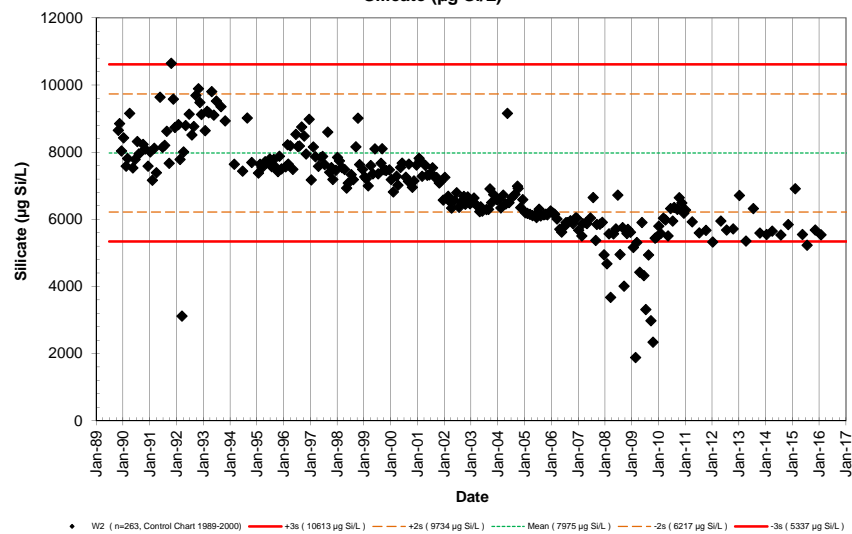
Well 2

6/28/1989 - 4/4/2016

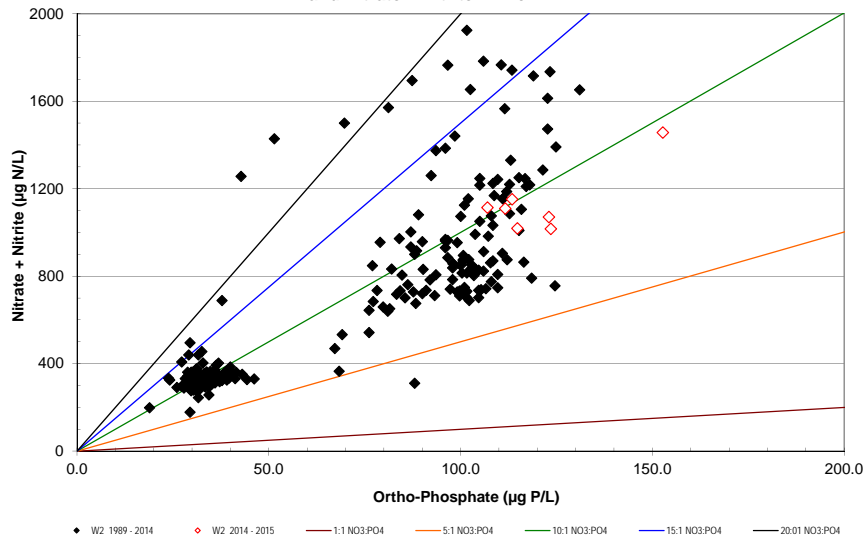
Well #2
Total Ammonia (µg N/L)



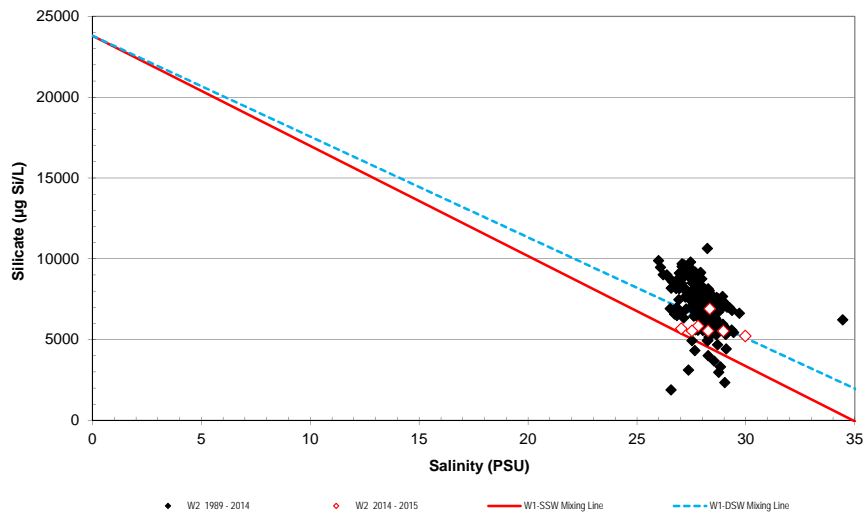
Well #2
Silicate (µg Si/L)



Relationship Between Ortho-Phosphate
and Nitrate + Nitrite in Well #2



Well #2 Conservative Mixing Model
Silicate (µg Si/L)

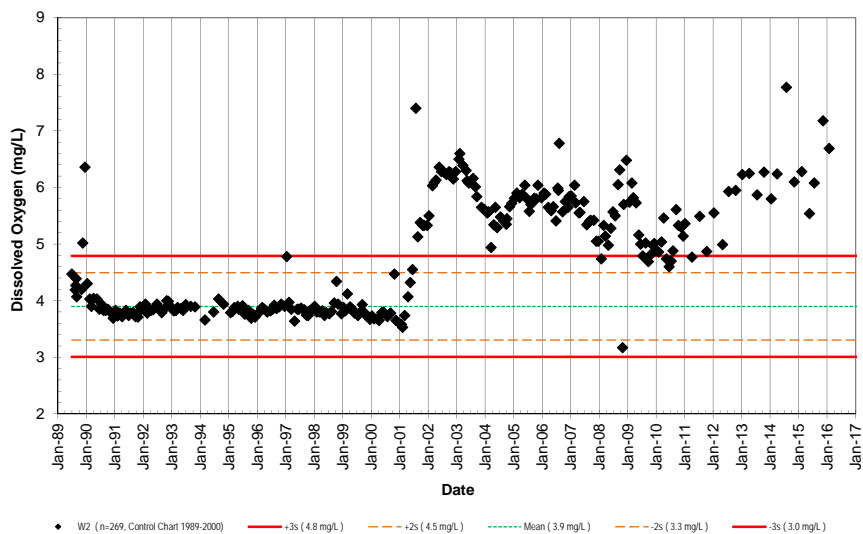


NELHA Water Quality Laboratory

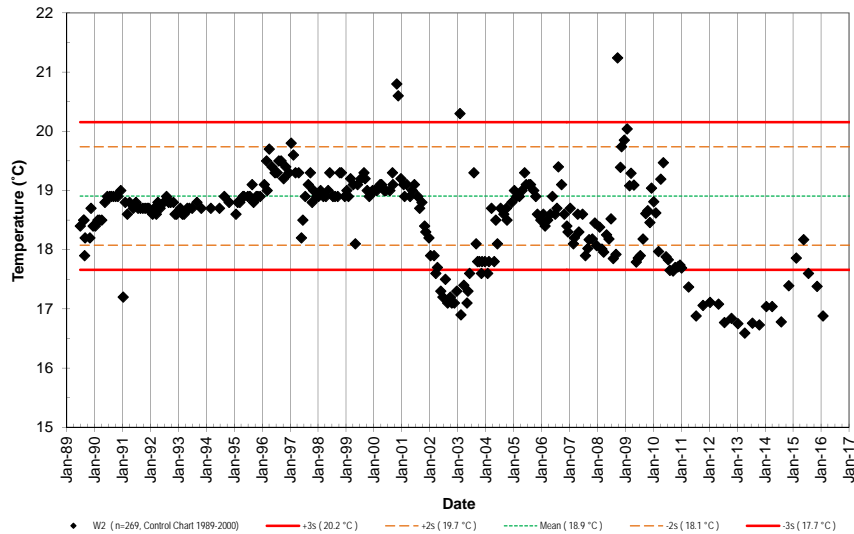
Well 2

6/28/1989 - 4/4/2016

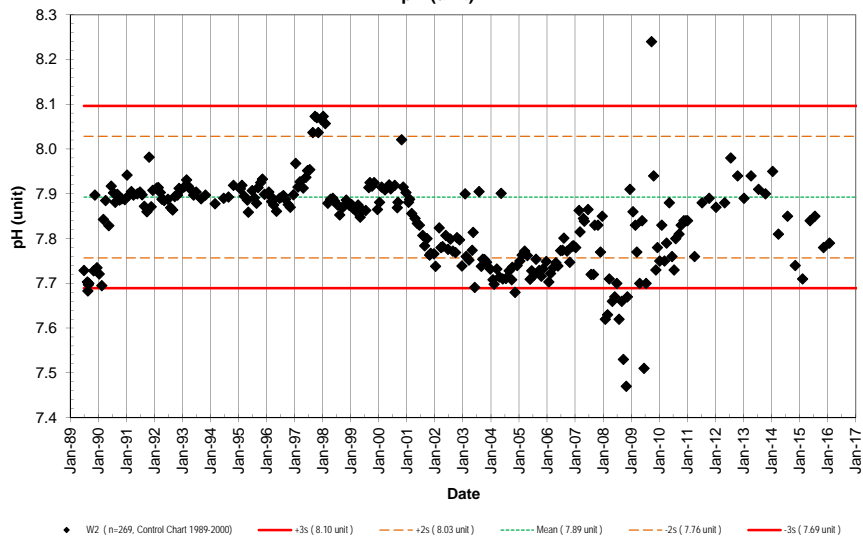
Well #2
Dissolved Oxygen (mg/L)



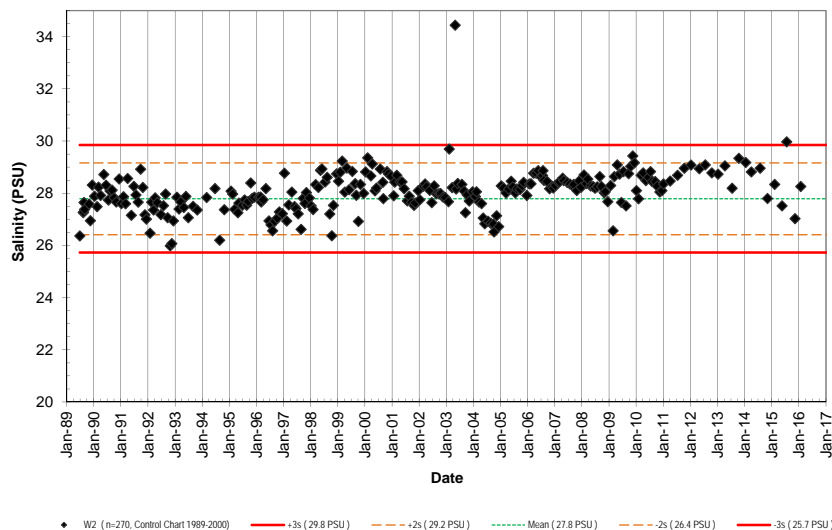
Well #2
Temperature (°C)



Well #2
pH (unit)



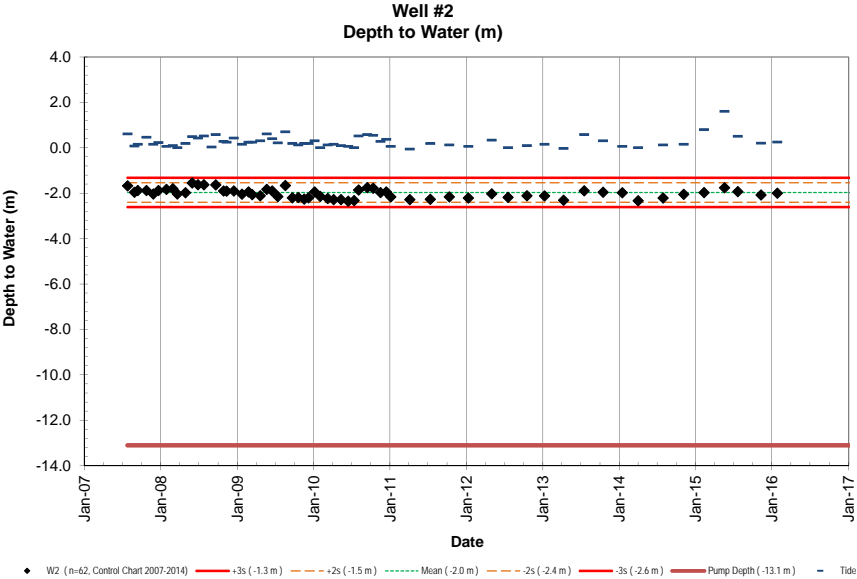
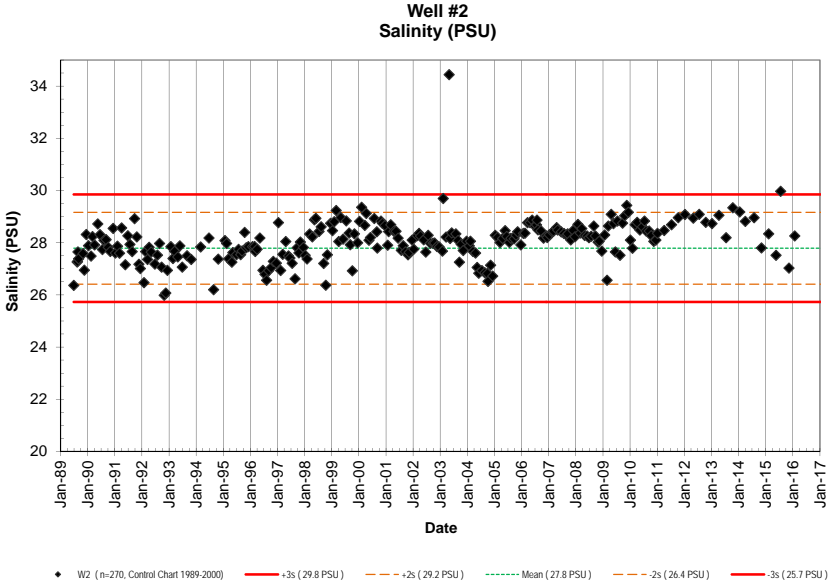
Well #2
Salinity (PSU)



NELHA Water Quality Laboratory

Well 2

6/28/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 2A Data Table

6/28/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM)	(µg P/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml						
W2A	-6.71	7/30/03	1044			3.12	97	82.7	1158	0.44	6.2	513	14411	3.20	99.1	86.7	1214			<1	2				
W2A	-6.71	8/28/03	1017			3.04	94	77.8	1089	0.42	5.9	489	13739	3.14	97.3	101	1413			<1	<1				
W2A	-6.71	9/16/03	1056			3.14	97	66.9	937	0.46	6.4	477	13405	2.92	90.4	72.4	1014			<1	<1				
W2A	-6.71	10/8/03	1056			2.72	84	63.4	888	0.95	13.3	475	13332	2.80	86.7	76.4	1070			<1	<1				
W2A	-6.71	11/5/03	1057			2.68	83	62.0	868	0.50	7.0	471	13234	2.80	86.7	68.3	957			<1	<1				
W2A	-6.71	11/14/03	1447																						
W2A	-6.71	12/22/03	947			3.09	96	72.9	1021	1.00	14.0	497	13970	3.20	99.1	76.0	1064			<1	188				
W2A	-6.71	1/26/04	1038			2.74	85	73.9	1035	0.40	5.6	480	13475	2.90	89.8	82.3	1153			<1	260				
W2A	-6.71	2/11/04	1025			2.78	86	64.9	909	0.67	9.4	470	13211	2.96	91.7	69.6	975	0.69		<1	22				
W2A	-6.71	3/16/04	1241			2.92	90	65.2	913	0.20	2.8	474	13318	3.42	105.9	72.6	1017			<1	1				
W2A	-6.71	4/20/04	1059			2.44	76	51.4	721	0.04	0.6	479	13442	2.56	79.3	54.7	766			<1	<1				
W2A	-6.71	5/11/04	1005			2.82	87	54.8	768	0.20	2.8	459	12891	3.08	95.4	60.8	852			<1	<1				
W2A	-6.71	6/2/04	1059			2.86	89	59.9	839	0.17	2.4	462	12973	2.94	91.1	61.9	867			<1	<1				
W2A	-6.71	7/14/04	1108			3.02	94	65.3	915	0.17	2.4	468	13136	3.18	98.5	69.5	974			<1	1				
W2A	-6.71	8/23/04	1052			3.06	95	59.2	829	0.25	3.5	450	12624	3.22	99.7	66.9	937			<1	<1				
W2A	-6.71	9/27/04	933			3.28	102	70.1	982	0.16	2.2	504	14166	3.40	105.3	94.0	1317			<1	<1				
W2A	-6.71	10/5/04	935			3.20	99	63.5	890	0.23	3.2	449	12613	3.36	104.1	69.8	977			<1	<1				
W2A	-6.71	11/9/04	1022			3.24	100	63.0	883	0.18	2.5	473	13276	3.40	105.3	65.5	917			3	208				
W2A	-6.71	12/6/04	1100			3.10	96	64.0	897	0.22	3.1	460	12917	3.22	99.7	64.2	899			<1	85				
W2A	-6.71	1/10/05	1027			3.28	102	82.8	1159	0.08	1.1	506	14214	3.30	102.2	89.5	1253			1	<1				
W2A	-6.71	2/9/05	1024			3.30	102	95.9	1343	0.18	2.5	479	13442	3.43	106.2	120	1679			<1	6				
W2A	-6.71	3/15/05	1050			3.04	94	71.5	1001	0.14	2.0	477	13400	3.22	99.7	79.1	1108	0.41		<1	<1				
W2A	-6.71	4/19/05	1002			2.98	92	65.6	918	0.16	2.2	469	13183	3.10	96.0	70.5	987			6	14				
W2A	-6.71	5/23/05	1048			2.98	92	70.0	980	0.21	2.9	477	13388	3.14	97.3	70.7	990			<1	<1				
W2A	-6.71	6/13/05	910			3.08	95	68.5	959	0.22	3.1	457	12821	3.16	97.9	72.3	1013			<1	<1				
W2A	-6.71	7/18/05	1020			3.20	99	70.2	983	0.16	2.2	461	12950	3.38	104.7	70.8	992	0.55		<1	<1				
W2A	-6.71	8/9/05	1030			3.24	100	72.6	1016	0.20	2.8	462	12961	3.36	104.1	75.7	1060	0.49		<1	<1				
W2A	-6.71	9/20/05	1018			3.40	105	80.5	1128	0.21	2.9	493	13838	3.56	110.3	82.7	1158	0.63		<1	<1				
W2A	-6.71	10/17/05	1018			3.60	112	82.4	1154	0.12	1.7	494	13885	3.68	114.0	85.8	1202			<1	<1				
W2A	-6.71	11/7/05	947			3.28	102	69.4	973	0.07	1.0	420	11782	3.46	107.2	71.3	998			<1	<1				
W2A	-6.71	12/21/05	916			3.14	97	64.4	902	0.21	2.9	415	11661	3.28	101.6	65.3	914	0.53		<1	<1				
W2A	-6.71	1/23/06	1018			3.10	96	69.9	979	0.20	2.8	456	12807	3.20	99.1	75.9	1063			<1	<1				
W2A	-6.71	2/14/06	1033			3.24	100	72.8	1020	0.19	2.7	489	13745	3.42	105.9	73.3	1026	0.46		<1	<1				
W2A	-6.71	3/20/06	936			3.09	96	70.7	990	0.20	2.8	472	13256	3.17	98.2	72.3	1013	0.43		<1	<1				
W2A	-6.71	4/25/06	1005			2.90	90	69.7	976	0.08	1.1	458	12863	3.06	94.8	62.4	874	0.47		<1	<1				
W2A	-6.71	5/22/06	1035			2.72	84	64.1	898	0.18	2.5	428	12021	3.06	94.8	56.5	791	0.42		<1	<1				
W2A	-6.71	6/26/06	1048			2.94	91	76.8	1076	0.12	1.7	477	13397	3.16	97.9	72.6	1016	0.49		<1	<1				
W2A	-6.71	7/20/06	1053			2.50	77	58.0	812	0.21	2.9	419	11768	2.77	85.8	53.7	752	0.39		<1	<1				
W2A	-6.71	8/7/06	1110			2.65	82	68.0	952	0.20	2.8	440	12358	2.98	92.3	59.7	836	0.40		<1	<1				
W2A	-6.71	9/18/06	1033			2.62	81	66.1	926	0.21	2.9	437	12273	3.03	93.9	61.0	854	0.48		<1	<1				
W2A	-6.71	10/23/06	1010			3.01	93	83.1	1164	0.26	3.6	469	13172	3.15	97.6	77.8	1090	0.55		1	<1				
W2A	-6.71	11/27/06	1021			2.69	83	66.4	930	0.20	2.8	423	11880	2.83	87.7	57.3	802	0.49		<1	<1				
W2A	-6.71	12/11/06	1049			2.79	86	67.7	948	0.14	2.0	429	12049	3.05	94.5	60.4	846	0.47		<1	<1				
W2A	-6.71	1/8/07	1141			2.91	90	74.3	1041	0.28	3.9	442	12414	3.20	99.1	68.9	965	0.41		<1	<1				
W2A	-6.71	2/20/07	1110			3.21	99	87.2	1221	0.37	5.2	475	13341	3.36	104.1	93.1	1305	0.54		<1	<1				
W2A	-6.71	3/5/07	1108			3.16	98	87.5	1226	0.28	3.9	486	13650	3.46	107.2	91.6	1283	0.53		<1	<1				
W2A	-6.71	4/18/07	1107			2.97	92	76.4	1070	0.28	3.9	481	13509	3.06	94.8	67.6	946	0.44		<1	<1				
W2A	-6.71	5/1/07	1056			2.85	88	68.3	957	0.31	4.3	449	12610	2.99	92.6	65.4	915	0.49		<1	<1				
W2A	-6.71	6/18/07	1050			3.07	79	71.9	1006	0.26	23.4	471	11465	3.48		71.9		0.38		19.5	7.983	17.617	7.16	<1	<1

NELHA Water Quality Laboratory

Well 2A Data Table

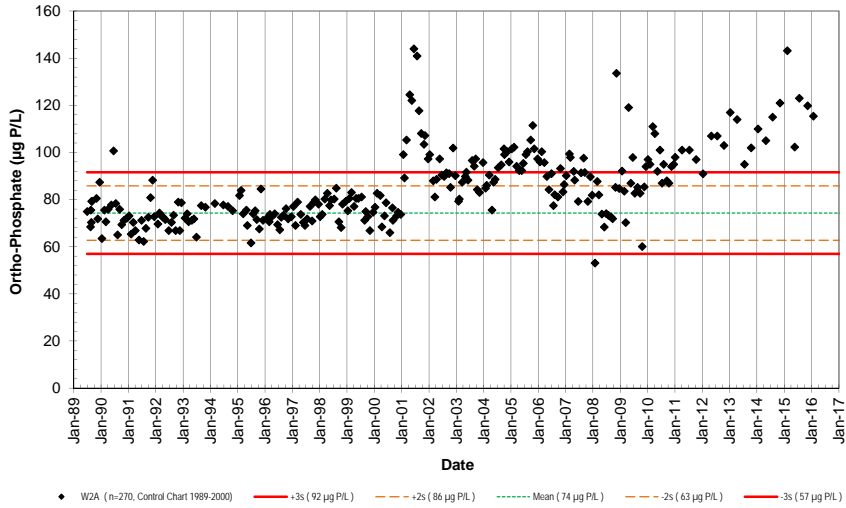
6/28/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.							
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W2A	-6.71	7/17/13	1131	-1.94	0.58	Flood	3.07	95	80.0	1121	0.42	5.9	433	12159						19.2	7.90	18.97	6.66	0.05		
W2A	-6.71	10/15/13	1026	-2.07	0.30	Flood	3.29	102	85.2	1193	0.37	5.2	447	12556						19.3	7.89	18.86	7.29	0.08		
W2A	-6.71	1/15/14	1007	-2.23	0.06	Ebb	3.55	110	87.5	1225	0.47	6.6	458	12873						19.4	7.93	17.05	7.00	0.34		
W2A	-6.71	4/29/14	1124	-2.41	0.00	Flood	3.39	105	93.5	1309	0.70	9.8	462	12974						19.4	7.86	16.43	7.69	2.42		
W2A	-6.71	7/29/14	1054	-2.26	0.12	Low	3.71	115	106.7	1495	0.79	11	481	13513						19.7	7.84	16.86	7.10	0.97		
W2A	-6.71	11/5/14	1101	-2.11	0.15	Flood	3.91	121	90.2	1263	0.64	9	449	12617						19.7	7.82	17.75	7.44	1.01		
W2A	-6.71	2/10/15	1052	-2.06	0.8	High	4.62	143.2	130.5	1828	0.80	11.2	598	16804						20.0	7.94	17.18	7.18	2.64		
W2A	-6.71	5/19/15	1523	-1.96	1.6	Flood	3.30	102.3	80.5	1127	0.31	4.3	389	10938						19.4	7.88	19.81	7.00	0.24		
W2A	-6.71	7/21/15	1155	-2.16	0.5	Low	3.97	123	101.8	1425	0.21	3	455	12790						20.2	7.90	17.08	7.15	0.28		
W2A	-6.71	11/9/15	1001	-2.07	0.20	Flood	3.87	119.8	86.9	1217	0.01	0.1	492	13827						19.9	7.85	16.48	7.78	0.07		
W2A	-6.71	1/26/16	1447	-2.25	0.25	Flood	3.73	115.4	98.1	1375	0.01	0.1	452	12691						19.3	7.85	17.02	7.09	0.25		
W2A	-6.71	4/1/16																								

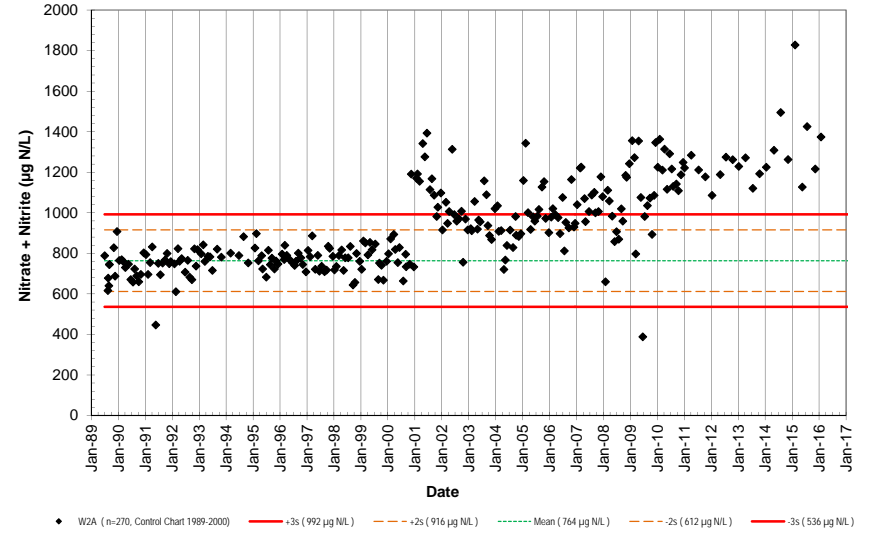
NELHA Water Quality Laboratory

Well 2A
6/28/1989 - 4/4/2016

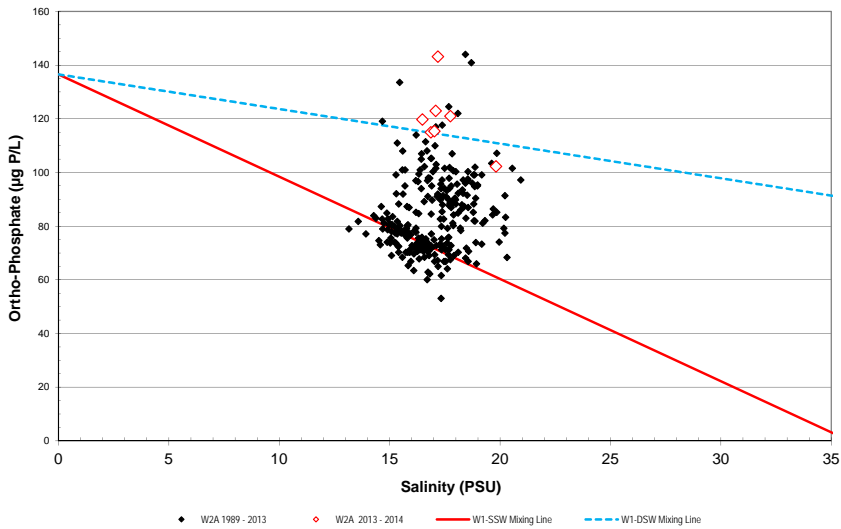
Well #2A
Ortho-Phosphate ($\mu\text{g P/L}$)



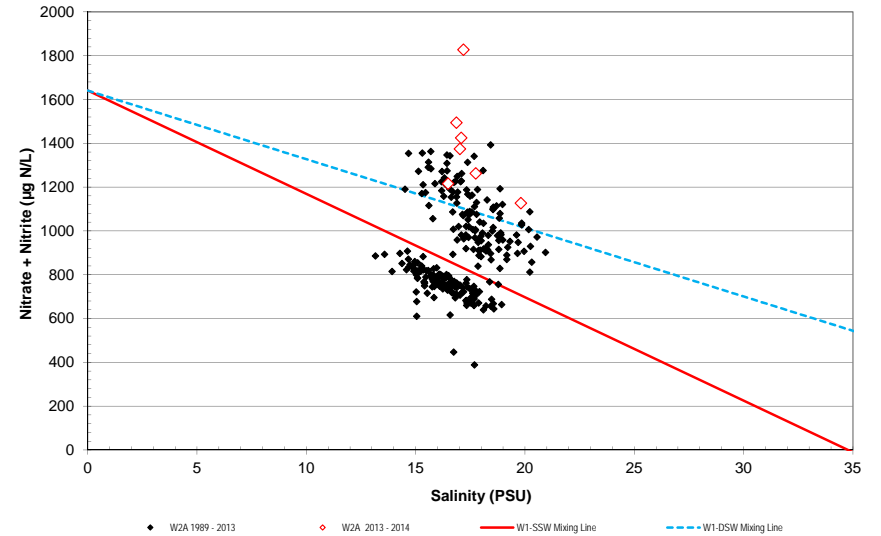
Well #2A
Nitrate + Nitrite ($\mu\text{g N/L}$)



Well #2A Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)

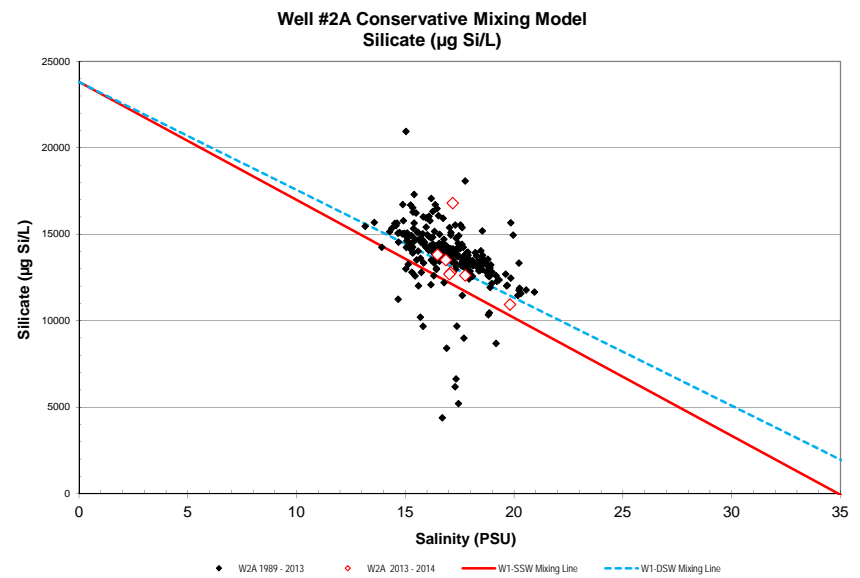
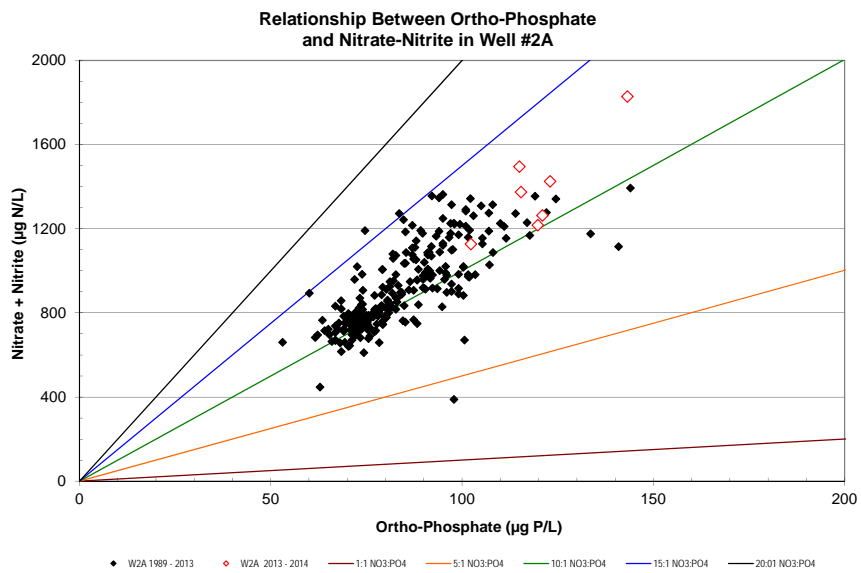
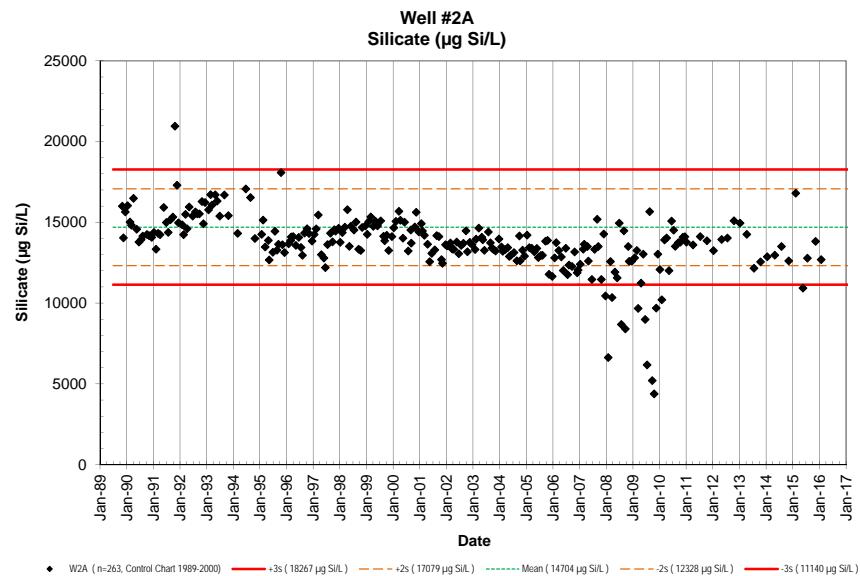
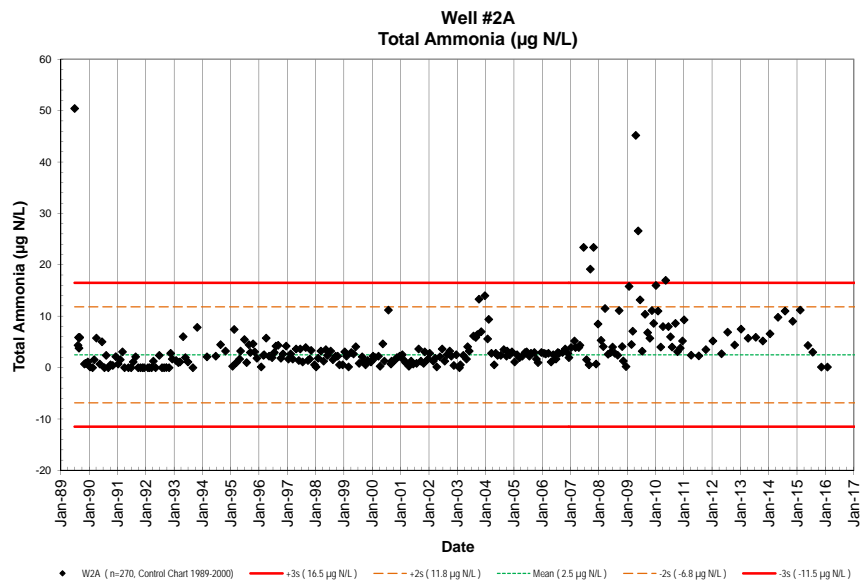


Well #2A Conservative Mixing Model
Nitrate + Nitrite ($\mu\text{g N/L}$)



NELHA Water Quality Laboratory

Well 2A
6/28/1989 - 4/4/2016

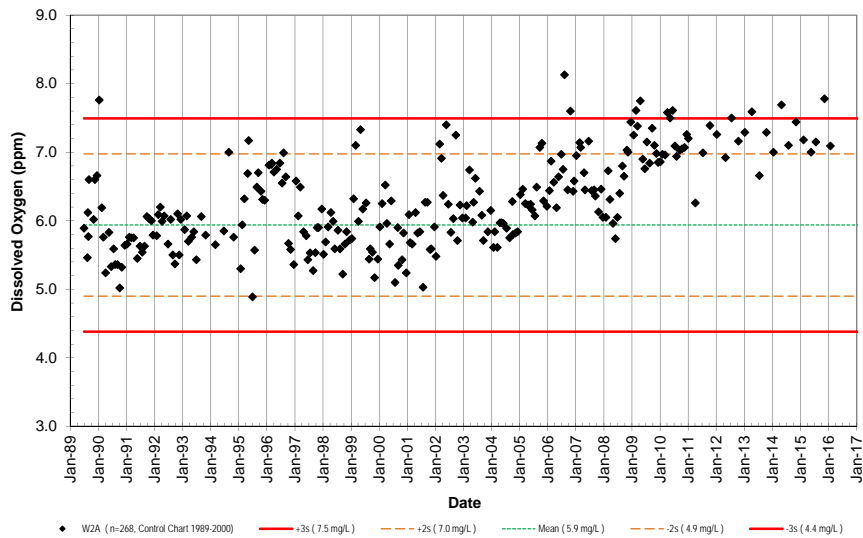


NELHA Water Quality Laboratory

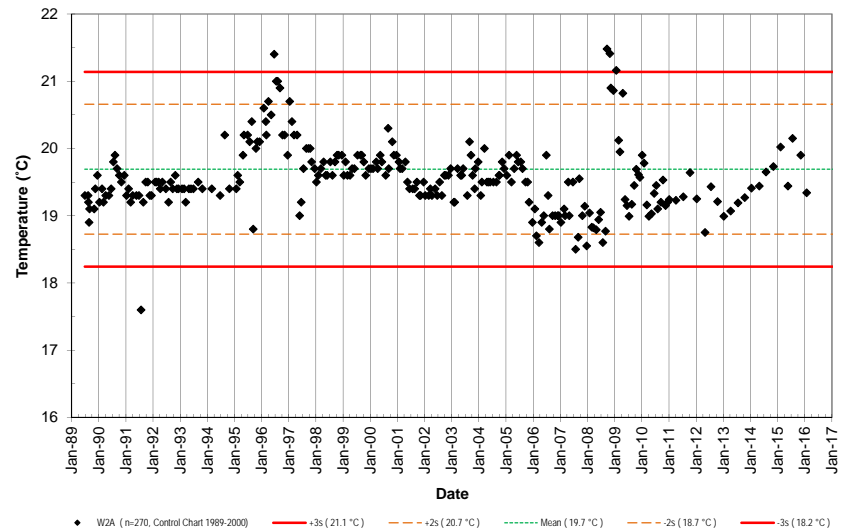
Well 2A

6/28/1989 - 4/4/2016

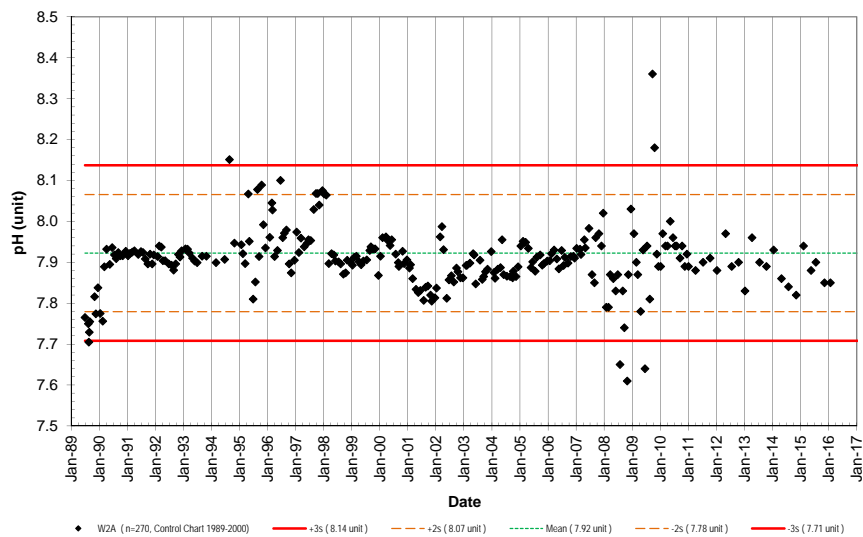
Well #2A
Dissolved Oxygen (ppm)



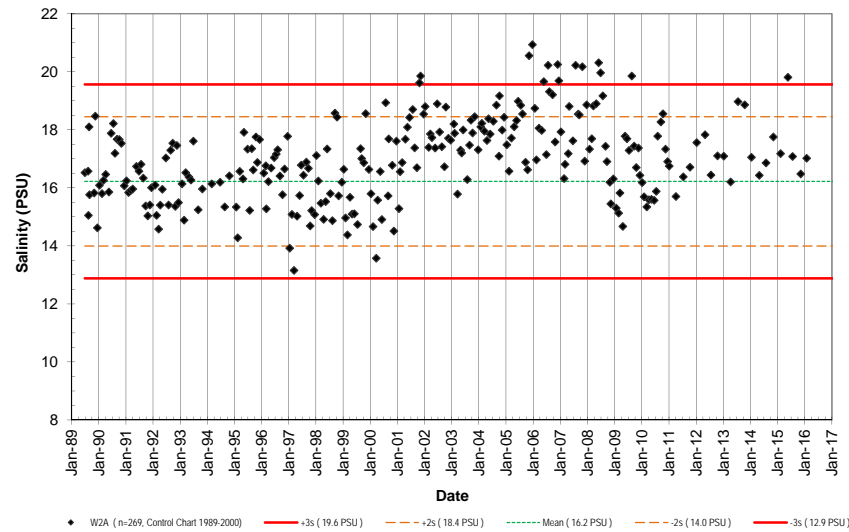
Well #2A
Temperature (°C)



Well #2A
pH (unit)

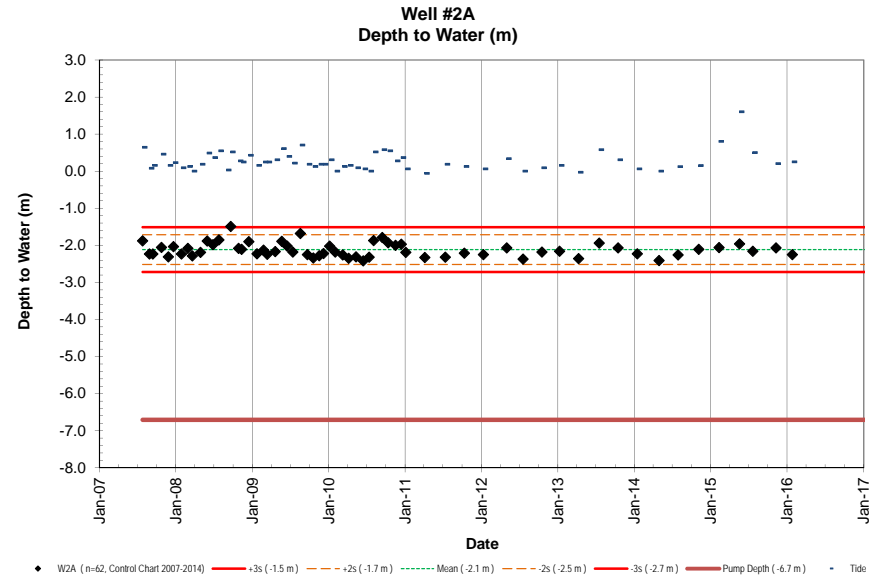
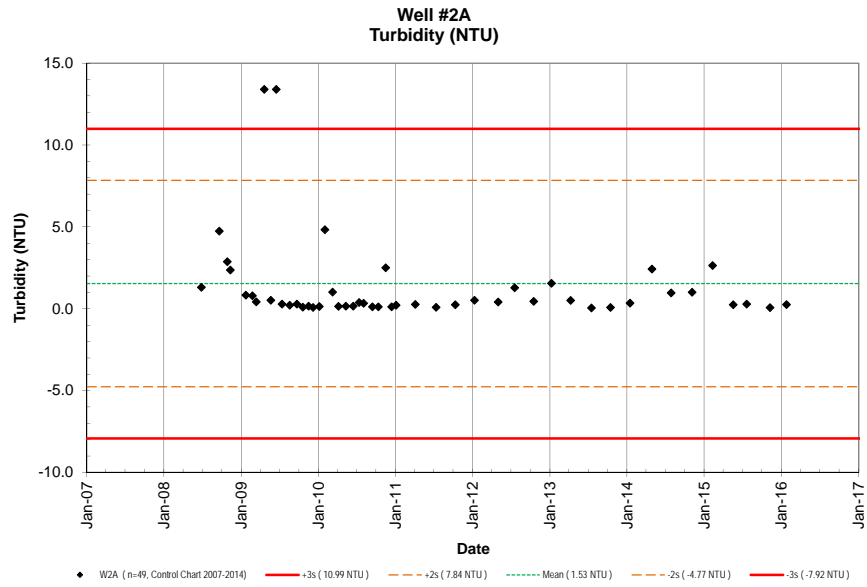


Well #2A
Salinity (PSU)



NELHA Water Quality Laboratory

Well 2A
6/28/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 2B Data Table

6/28/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W2B	-3.96	7/26/07	1312	-1.98	0.64	Flood	2.74	85	76.4	1070	0.0	0.1	580	16297	0.0	75.8	1062			
W2B	-3.96	8/28/07	1115	-2.44	0.08	Flood	3.29	102	99.1	1388	3.6	50.7	629	17678	3.0	94	101.7	1424		
W2B	-3.96	9/13/07	1128	-2.23	0.15	Low	3.47	108	98.8	1383	1.0	13.8	631	17726	3.3	103	97.8	1371		
W2B	-3.96	10/24/07	1358	-1.96	0.46	Flood	3.25	101	107.4	1505	0.1	1.4	533	14959	3.6	111	101.8	1426		
W2B	-3.96	11/26/07	1115	-2.31	0.15	Ebb	3.26	101	97.0	1359	0.3	3.8	562	15793	3.3	101	103.2	1446		
W2B	-3.96	12/20/07	1210	-2.08	0.23	High	3.09	96	114.5	1604	0.3	4.1	493	13840						
W2B	-3.96	1/28/08	1220	-2.29	0.09	Ebb	1.89	59	36.1	506	0.2	3.1	310	8721						
W2B	-3.96	2/27/08	1025	-2.13	0.12	Ebb	3.30	102	103.2	1446	0.2	2.6	538	15110						
W2B	-3.96	3/20/08	1057	-2.41	0.00	Low	3.09	96	97.6	1367	0.2	2.5	429	12059						
W2B	-3.96	4/28/08	1054	-2.06	0.18	High	2.93	91	99.5	1394	0.2	2.6	541	15201						
W2B	-3.96	5/15/08	1154	-2.03	0.49	Flood	2.85	88	94.5	1324	0.2	2.9	538	15117						
W2B	-3.96	6/26/08	929	-1.98	0.37	High	2.91	90	101.5	1421	0.3	4	702	19717						
W2B	-3.96	7/25/08	1137	-1.88	0.55	High	2.88	89	95.2	1334	0.2	2.8	385	10816						
W2B	-3.96	8/30/08	933		0.03	Low	2.68	83	96.8	1356	0.3	4	529	14866						
W2B	-3.96	9/19/08	953	-1.88	0.52	Ebb	2.05	64	54.6	765	1.0	14.1	379	10635						
W2B	-3.96	10/27/08	1255	-2.07	0.27	Flood	3.07	95	101.9	1427	0.3	4.7	548	15386						
W2B	-3.96	11/10/08	1010	-2.12	0.24	Flood	4.49	139	99.1	1389	0.3	4.7	496	13940						
W2B	-3.96	12/15/08	930	-1.90	0.43	Ebb	3.13	97	103.6	1452	0.0	0.0	486	13639						
W2B	-3.96	1/23/09	1316	-2.26	0.15	High	3.12	97	111.6	1563	1.3	18.1	507	14238						
W2B	-3.96	2/23/09	1417	-2.15	0.24	Flood	2.74	85	105.3	1475	0.9	13.0	537	15071						
W2B	-3.96	3/13/09	1426	-2.27	0.24	Flood	3.27	101	95.7	1340	0.1	1.9	466	13090						
W2B	-3.96	4/20/09	1236	-2.18	0.30	Flood	3.95	122	108.0	1513	1.7	24.3	410	11513						
W2B	-3.96	5/21/09	1414	-1.86	0.61	High	3.56	110	101.1	1416	0.5	7.5	558	15669						
W2B	-3.96	6/16/09	1050	-2.01	0.40	Flood	3.57	111	97.4	1364	0.5	6.6	348	9766						
W2B	-3.96	7/13/09	1453	-2.18	0.21	Flood	2.51	78	68.4	958	0.2	2.6	278	7805						
W2B	-3.96	8/18/09	1350	-1.71	0.70	Flood	2.77	86	77.6	1087	0.1	1.4	442	12415						
W2B	-3.96	9/21/09	1344	-2.24	0.18	Flood	1.75	54	44.6	624	0.2	2.2	249	6988						
W2B	-3.96	10/19/09	1055	-2.28	0.12	Low	3.26	101	102.5	1436	0.7	9.5	272	7635						
W2B	-3.96	11/16/09	1326	-2.29	0.18	Flood	3.31	103	105.5	1478	0.8	11	449	12603						
W2B	-3.96	12/7/09	1300	-2.23	0.18	Ebb	3.42	106	112.7	1579	0.5	7.2	512	14379						
W2B	-3.96	1/5/10	1042	-2.06	0.30	Ebb	3.10	96	103.0	1443	0.5	7.0	517	14524						
W2B	-3.96	2/1/10	1100	-2.20	0.00	Ebb	3.23	100	108.2	1515	0.6	9.0	459	12884						
W2B	-3.96	3/9/10	1116	-2.28	0.12	Flood	3.55	110	99.4	1392	0.2	3.0	532	14948						
W2B	-3.96	4/6/10	1005	-2.31	0.15	Flood	3.65	113	107.1	1500	0.1	2.0	532	14931						
W2B	-3.96	5/11/10	1029	-2.39	0.09	Flood	3.33	103	96.0	1344	1.8	25	576	16173						
W2B	-3.96	6/15/10	1108	-2.39	0.06	Low	3.03	94	92.7	1298	0.3	4.0	509	14283						
W2B	-3.96	7/13/10	1026	-2.39	0.00	Low	3.10	96	100.6	1409	0.4	6.0	562	15791						
W2B	-3.96	8/3/10	1020	-1.89	0.52	Flood	3.49	108	103.9	1455	0.3	4.0	567	15921						
W2B	-3.96	9/14/10	1020	-1.81	0.58	Ebb	3.29	102	98.6	1381	0.5	6.9	581	16305						
W2B	-3.96	10/12/10	1051	-1.83	0.55	Ebb	3.16	98	99.2	1390	0.3	4.7	567	15933						
W2B	-3.96	11/16/10	1008	-2.03	0.27	Flood	3.39	105	105.9	1484	0.2	3.4	575	16154						
W2B	-3.96	12/14/10	1049	-1.99	0.37	High	3.33	103	108.7	1522	0.5	6.6	566	15899						
W2B	-3.96	1/4/11	1037	-2.23	0.06	Ebb	3.42	106	104.2	1459	0.5	6.9	552	15509						
W2B	-3.96	4/5/11	1053	-2.34	-0.06	Low	3.36	104	103.5	1450	0.2	3.2	574	16121						
W2B	-3.96	7/12/11	1017	-2.13	0.18	Flood	3.36	104	97.7	1369	0.6	8.2	546	15336						
W2B	-3.96	10/11/11	1038	-2.22	0.12	Low	3.26	101	92.9	1301	0.3	3.9	547	15373						
W2B	-3.96	1/10/12	1032	-2.24	0.06	Ebb	3.07	95	86.6	1213	0.3	3.6	523	14676						
W2B	-3.96	5/1/12	1100	-2.07	0.30	Flood	3.71	115	98.2	1376	0.2	2.3	579	16248						
W2B	-3.96	7/18/12	951	-2.39	0.03	Flood	3.49	108	100.0	1400	0.6	7.8	544	15287						
W2B	-3.96	10/16/12	1034	-2.24	0.09	Ebb	3.29	102	97.3	1363	0.3	4.4	538	15102						
W2B	-3.96	1/8/13	1058	-2.20	0.15	Flood	3.75	116	99.1	1388	0.6	7.9	585	16426						
W2B	-3.96	4/9/13	1035	-2.38	-0.03	Flood	3.62	112	96.8	1356	0.5	6.7	555	15584						
W2B	-3.96	7/17/13	1120	-1.95	0.58	Flood	3.23	100	93.0	1302	0.4	5.4	517	14517						
W2B	-3.96	10/15/13	1020	-2.09	0.30	Flood	3.16	98	97.1	1360	0.6	8.9	511	14343						
W2B	-3.96	1/15/14	1000	-2.24	0.06	Ebb	3.78	117	102.2	1431	0.3	4.8	505	14185						
W2B	-3.96	4/29/14	1114	-2.42	0.00	Flood	3.55	110	105.3	1475	0.6	8.2	508	14260						

NELHA Water Quality Laboratory

Well 2B Data Table

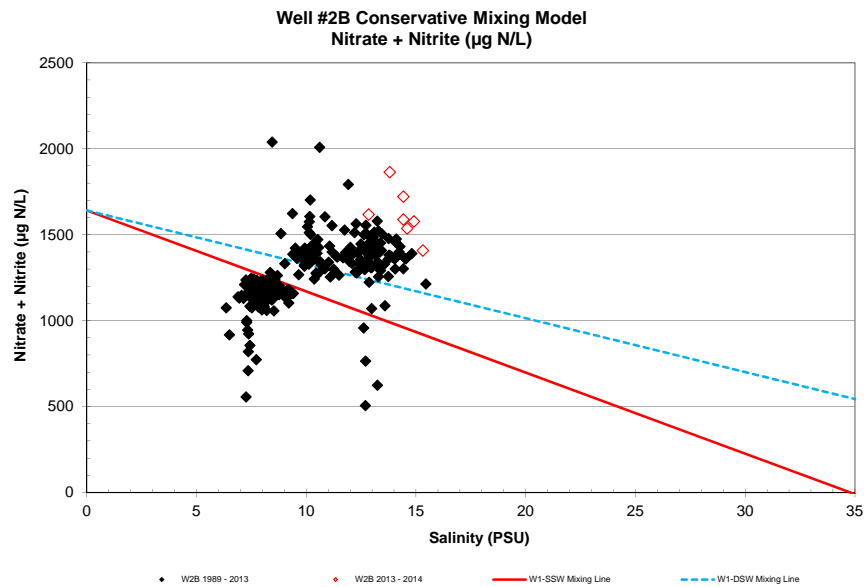
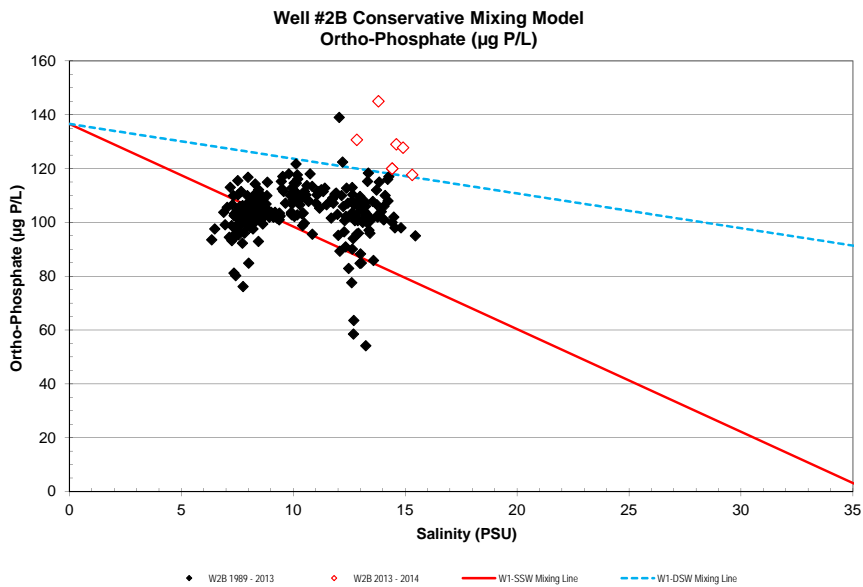
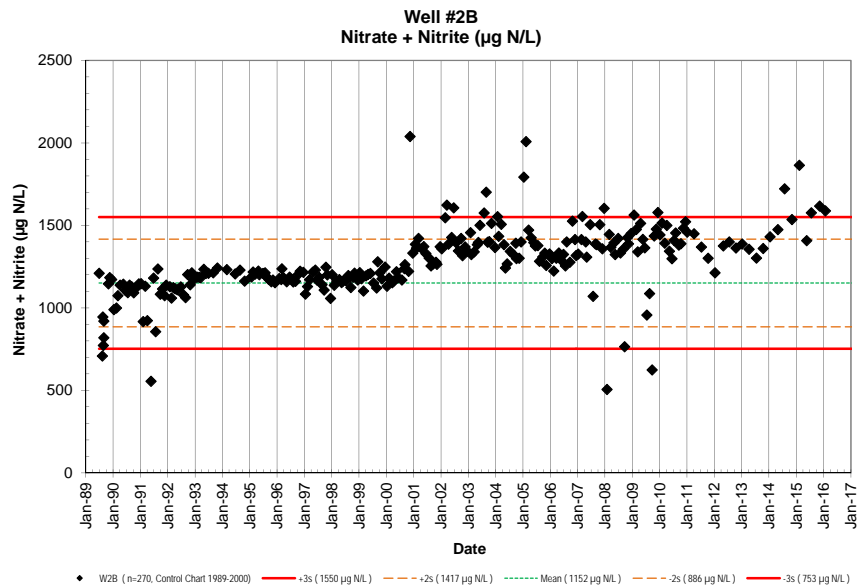
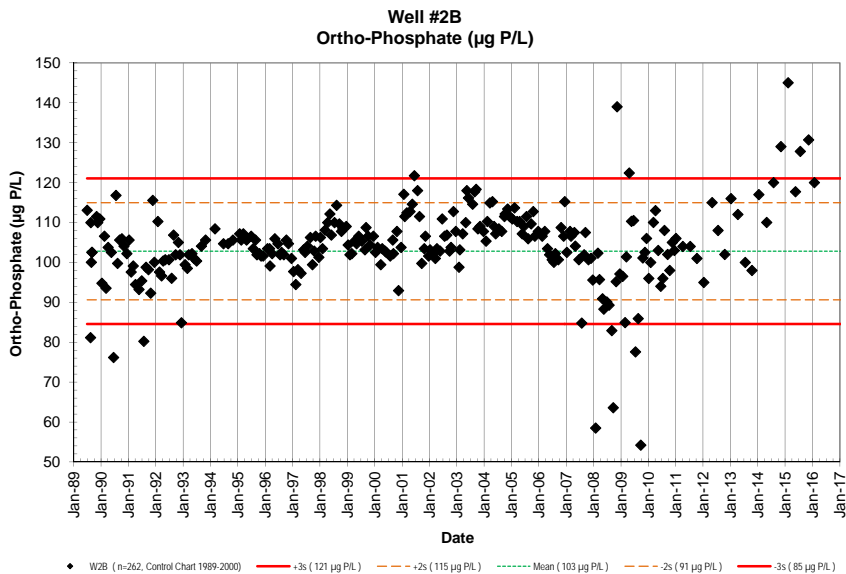
6/28/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W2B	-3.96	7/29/14	1049	-2.26	0.12	Low	3.87	120	122.9	1722	0.5	7.0	523	14679					20.43	7.89	14.42	7.73	0.19		
W2B	-3.96	11/5/14	1052	-2.13	0.15	Flood	4.16	129	109.7	1536	0.4	5.9	499	14004					20.75	7.94	14.60	8.02	0.06		
W2B	-3.96	2/10/15	1040	-1.98	0.80	High	4.68	145	133.1	1865	0.9	13.3	476	13361					20.80	7.91	13.80	6.37	0.05		
W2B	-3.96	5/19/15	1507	-1.98	1.60	Flood	3.80	118	100.5	1408	0.3	4.4	456	12814					19.92	7.94	15.31	7.78	0.04		
W2B	-3.96	7/21/15	1141	-2.19	0.50	Low	4.13	128	112.6	1577	0.0	0.0	489	13742					20.6	7.90	14.90	7.38	0.02		
W2B	-3.96	11/9/15	954	-2.08	0.20	Flood	4.22	131	115.5	1618	0.1	1.5	595	16720					20.9	7.93	12.84	8.50	0.05		
W2B	-3.96	1/26/16	1438	-2.25	0.25	Flood	3.87	120	113.4	1588	0.1	1.8	497	13953					20.0	7.96	14.42	7.62	0.06		
W2B	-3.96	4/1/16																							

NELHA Water Quality Laboratory

Well 2B

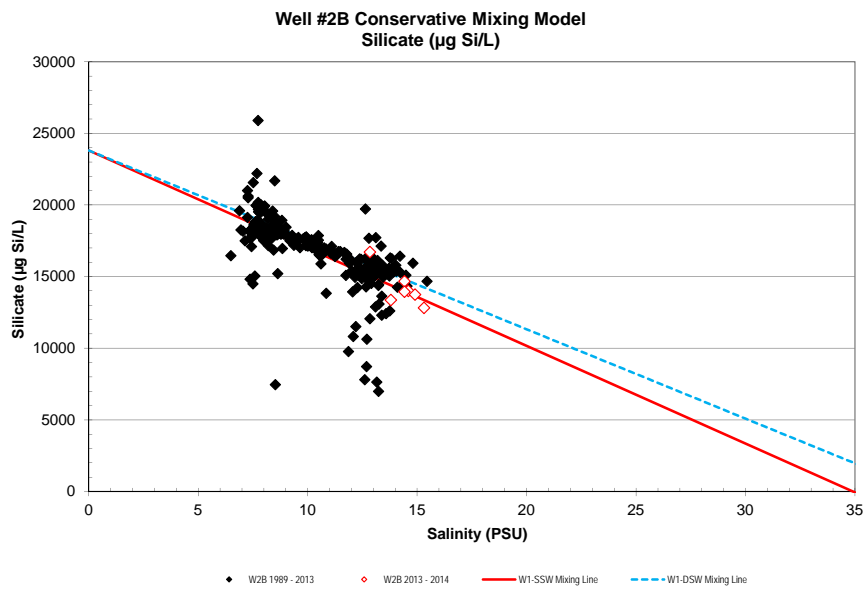
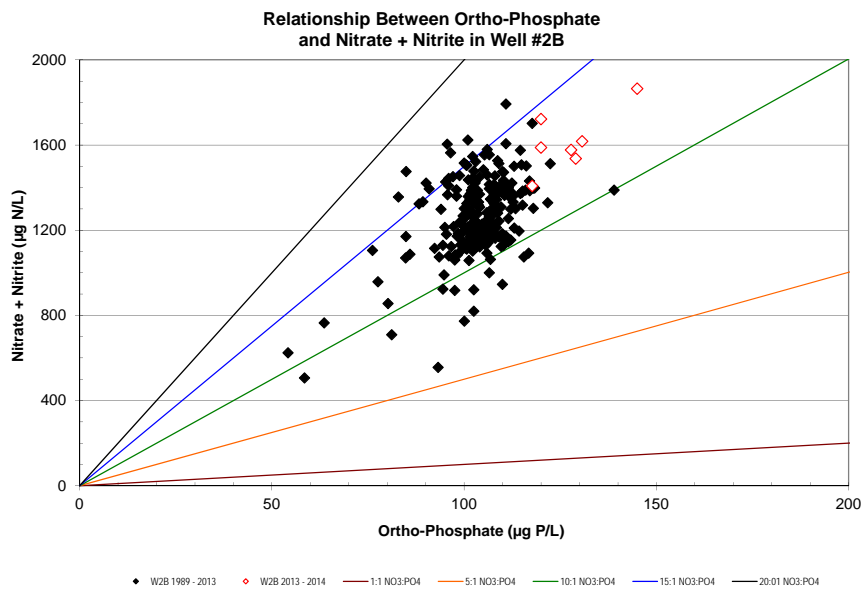
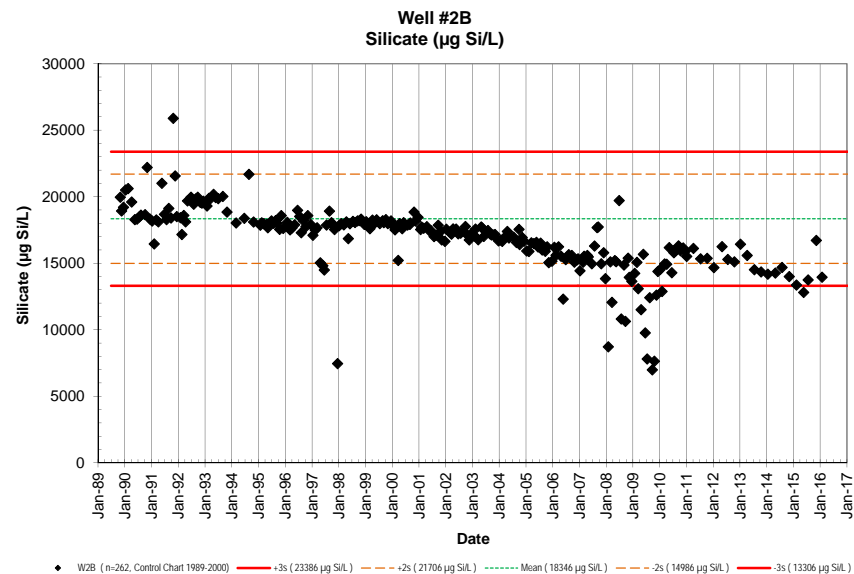
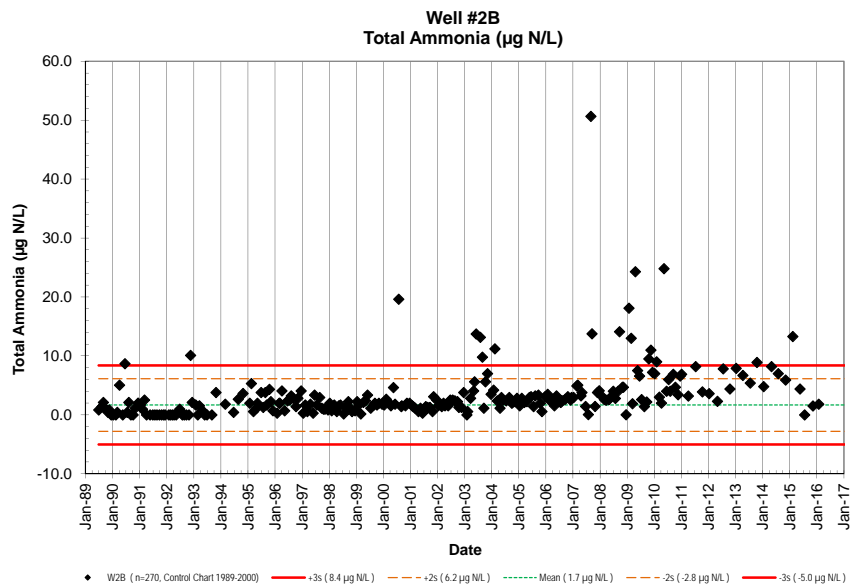
6/28/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 2B

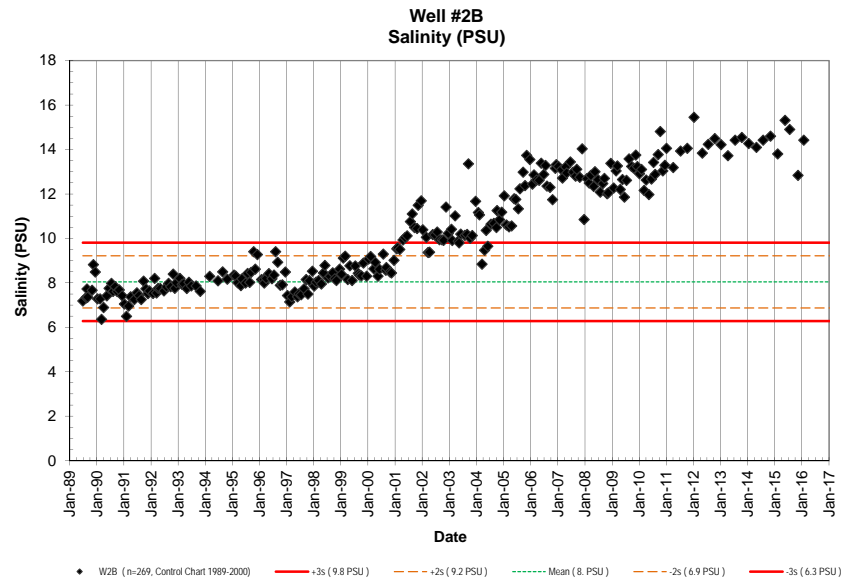
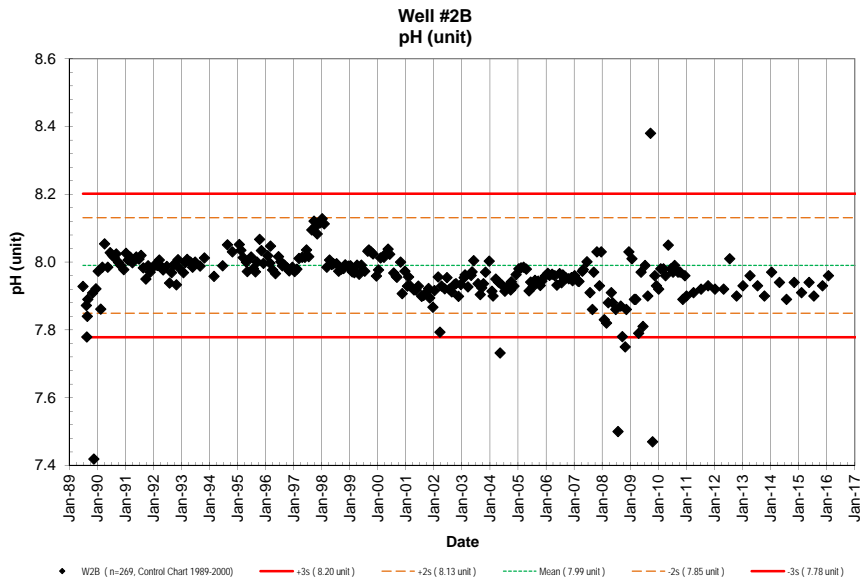
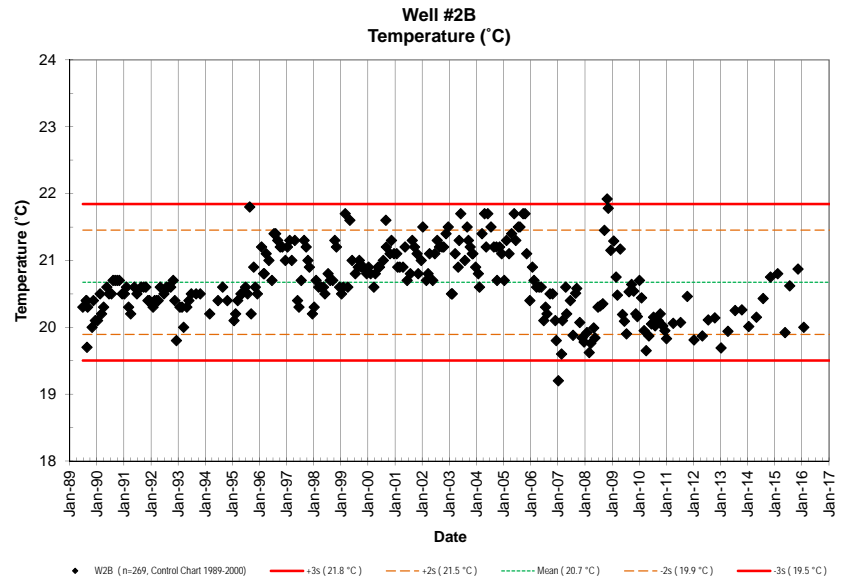
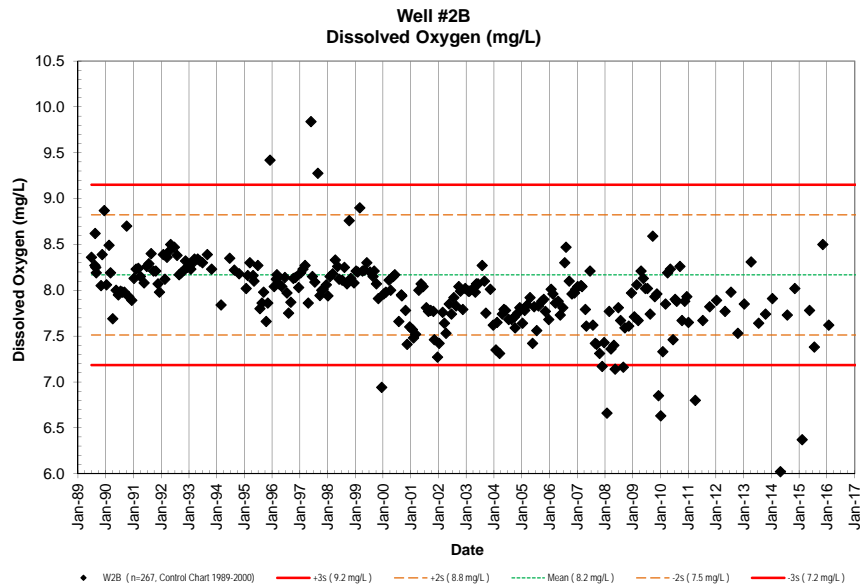
6/28/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 2B

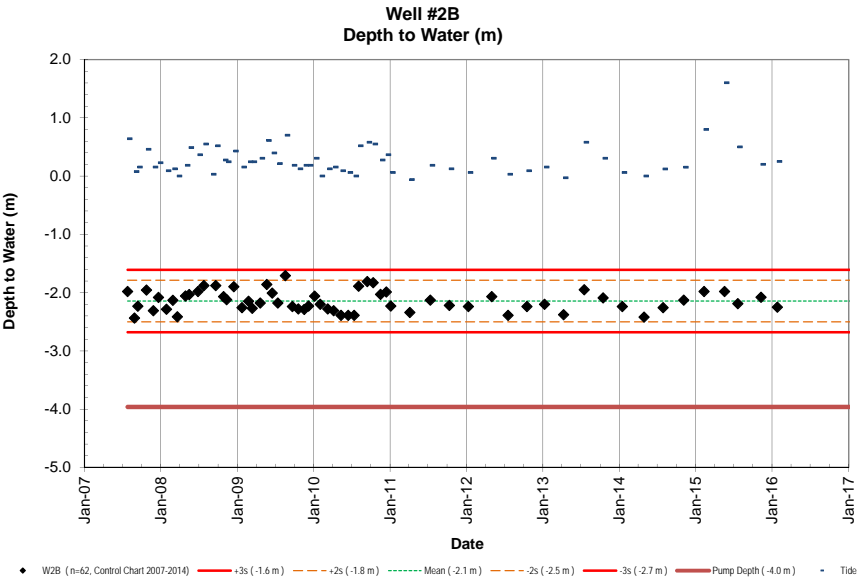
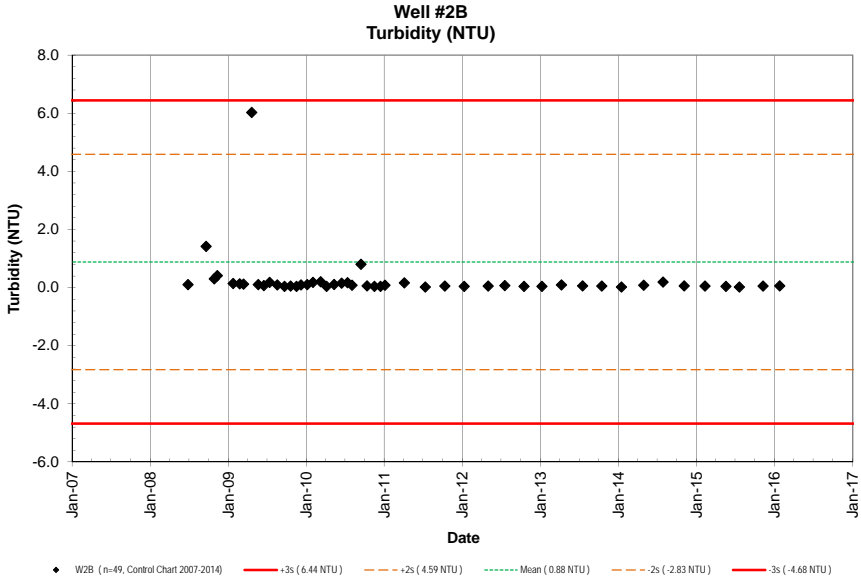
6/28/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 2B

6/28/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 3 Data Table

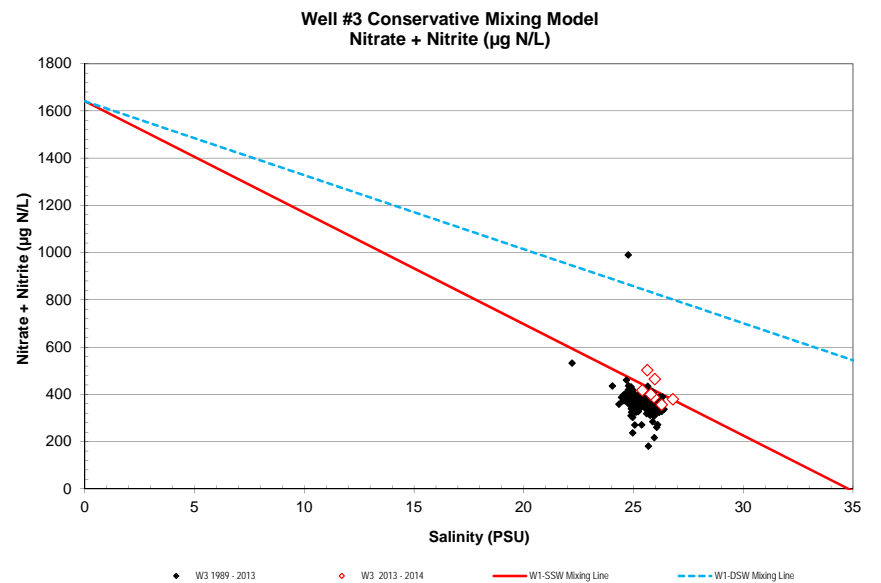
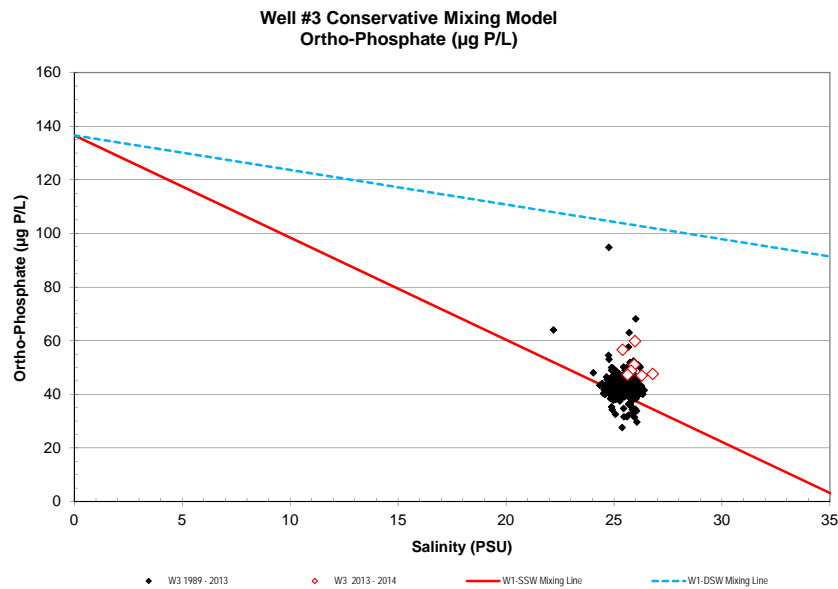
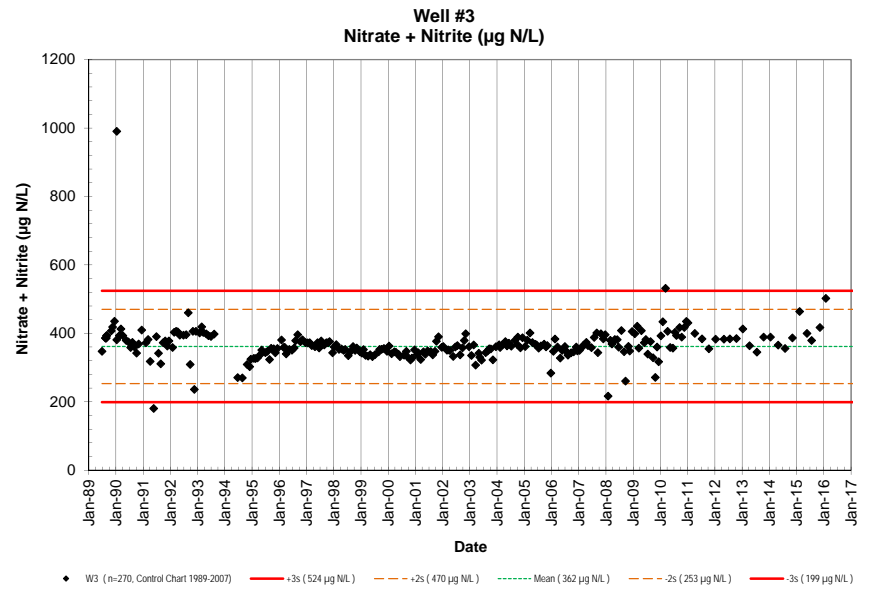
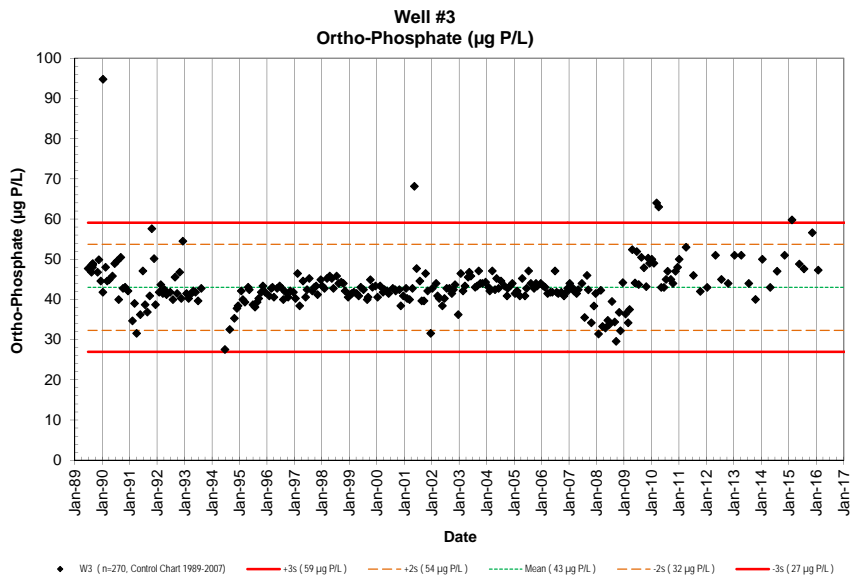
6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W3	-17.3736	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	3.99	0.18		
W3	-17.3736	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	3.91	0.24		
W3	-17.3736	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	3.69	0.35		
W3	-17.3736	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	3.76	1.36		
W3	-17.3736	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	3.78	0.09		
W3	-17.3736	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	4.06	0.04		
W3	-17.3736	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	3.72	0.11		
W3	-17.3736	4/1/16																							

NELHA Water Quality Laboratory

Well 3

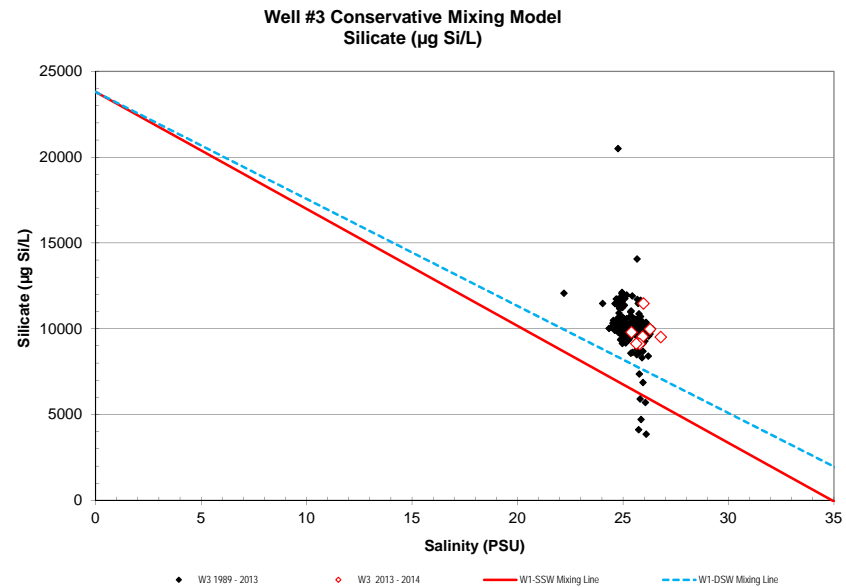
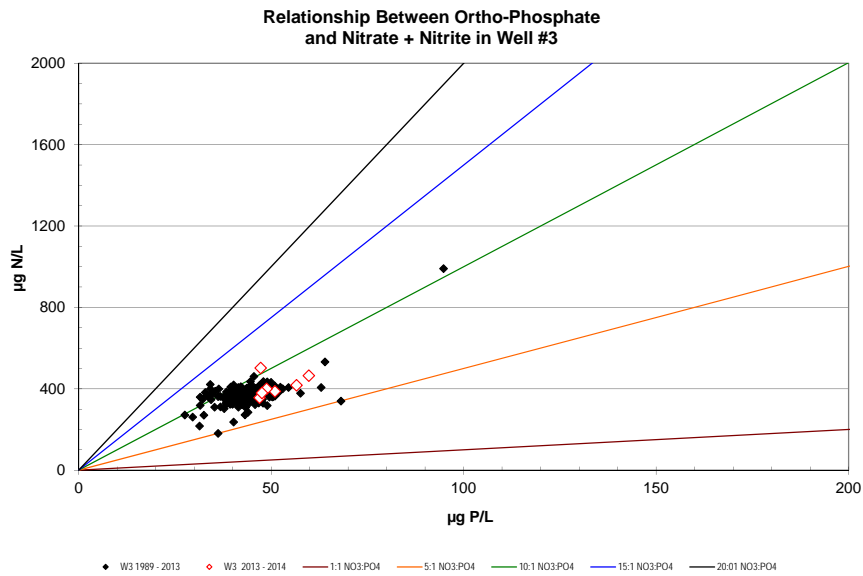
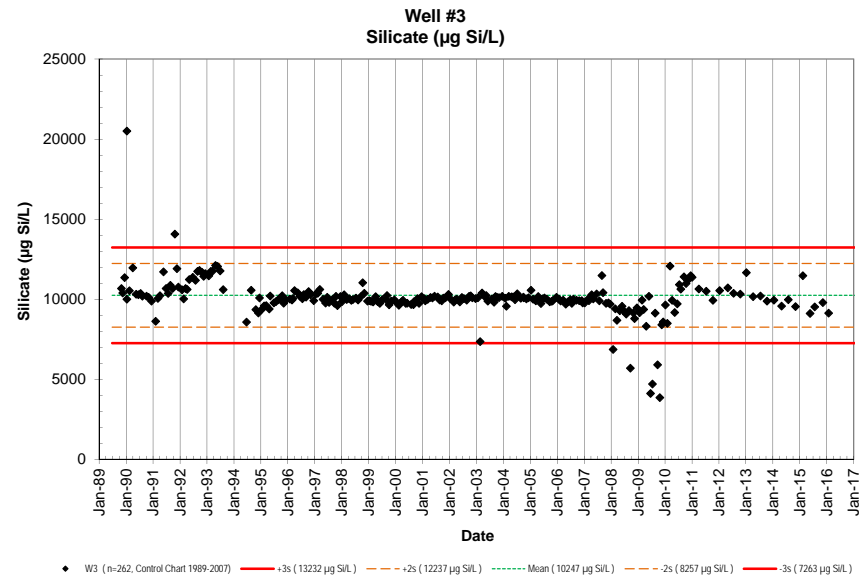
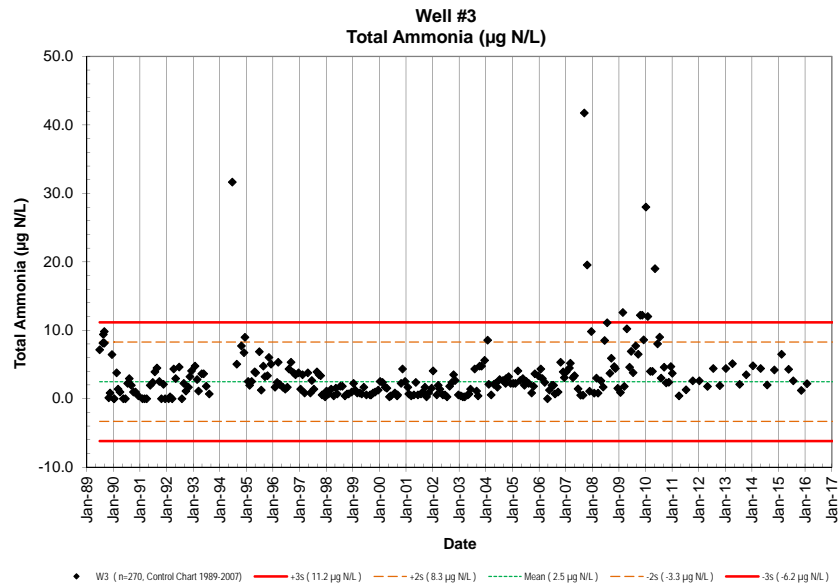
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Well 3

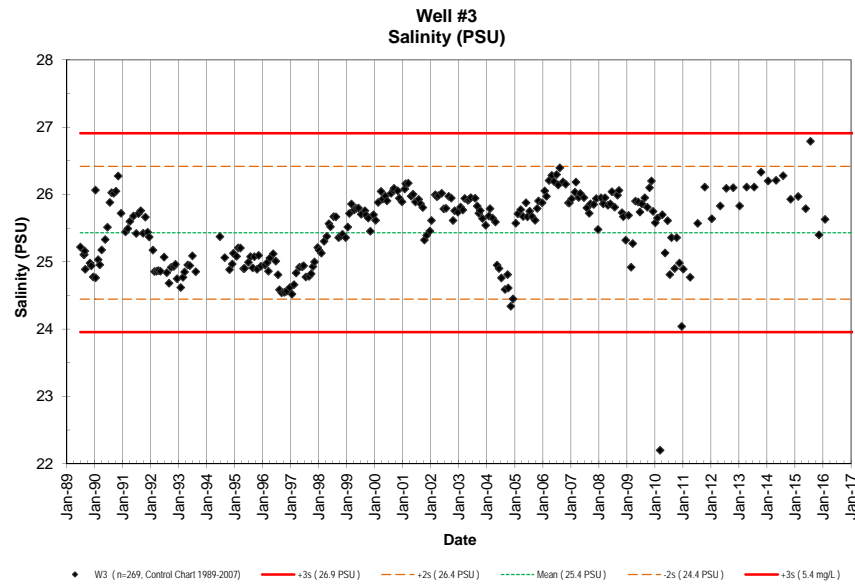
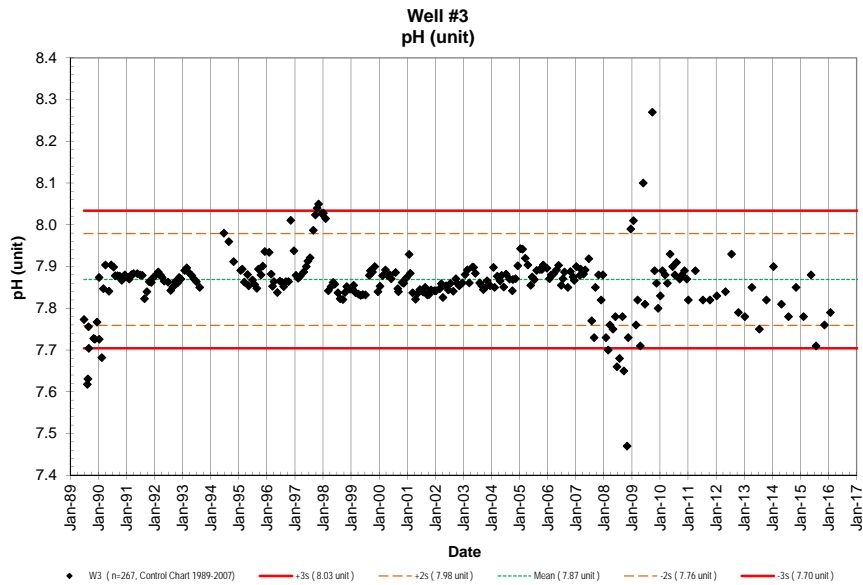
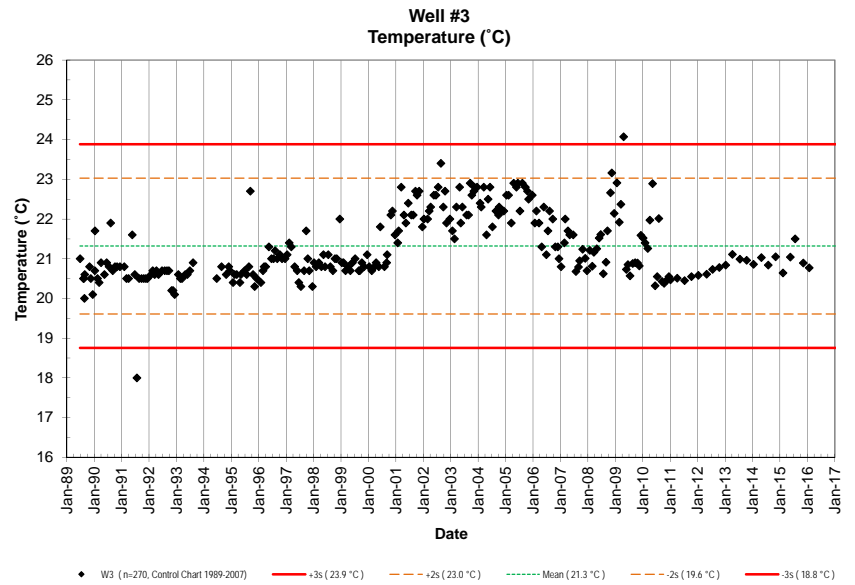
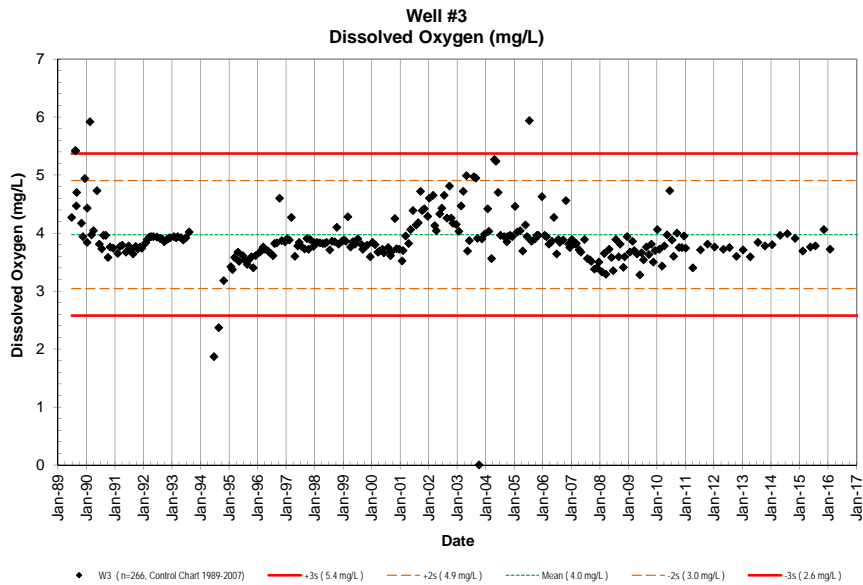
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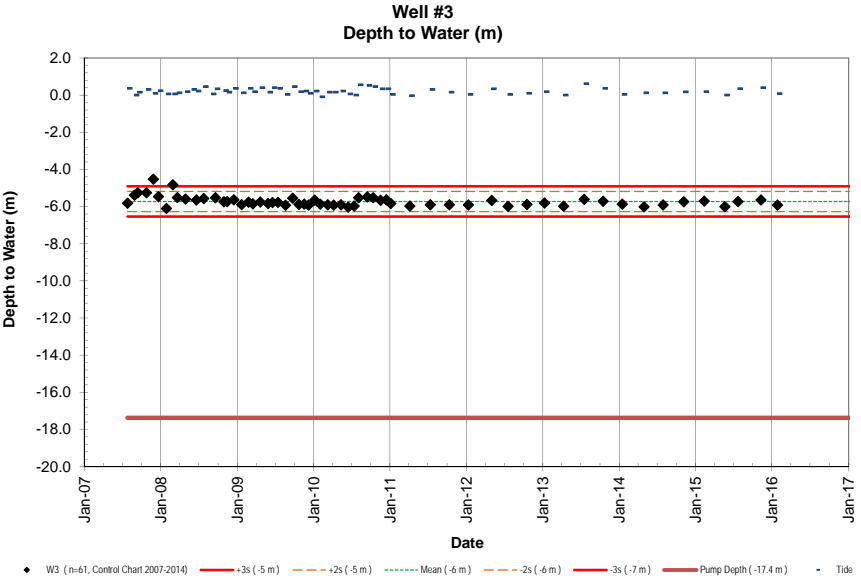
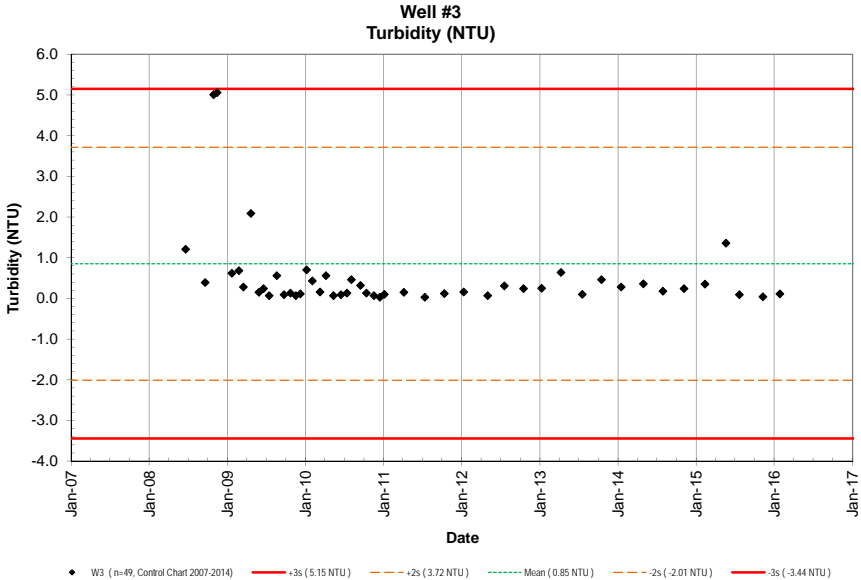
Well 3

6/27/1989 - 4/4/2016



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Well 3
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NELHA Water Quality Laboratory

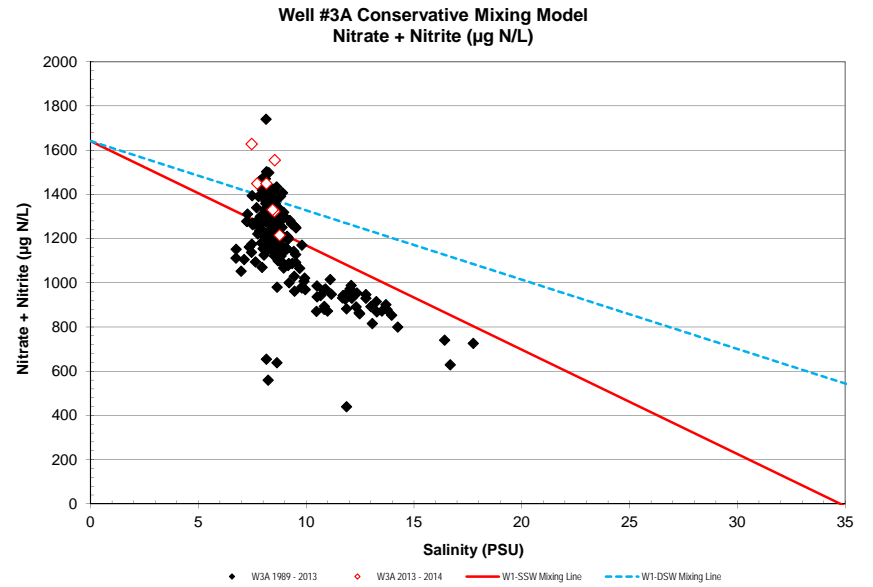
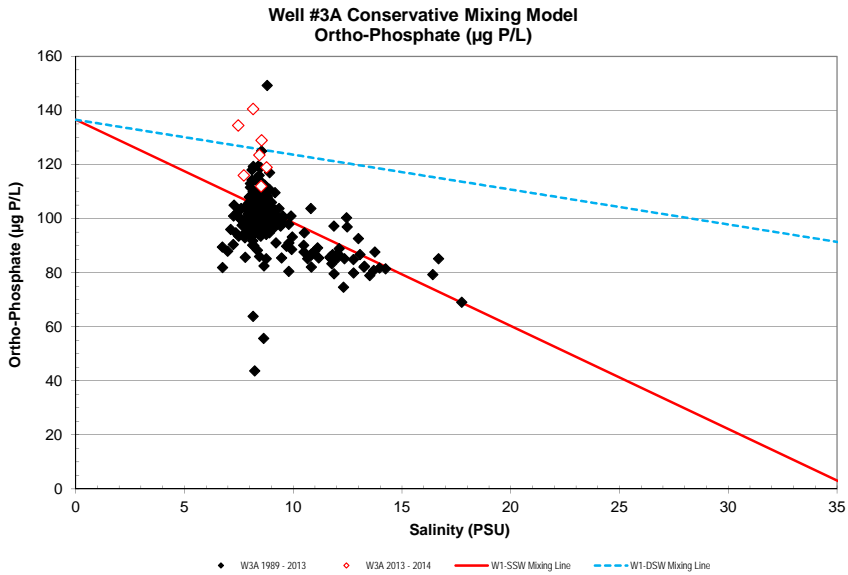
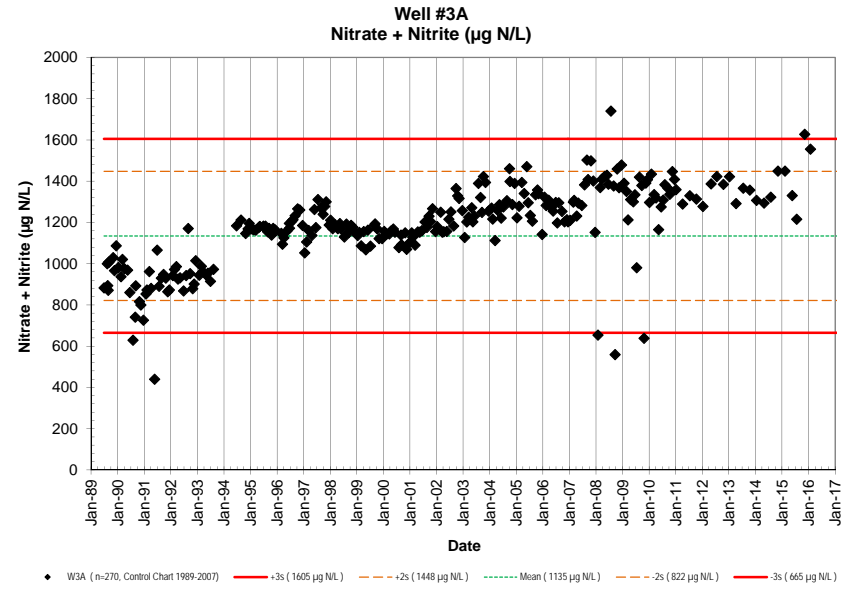
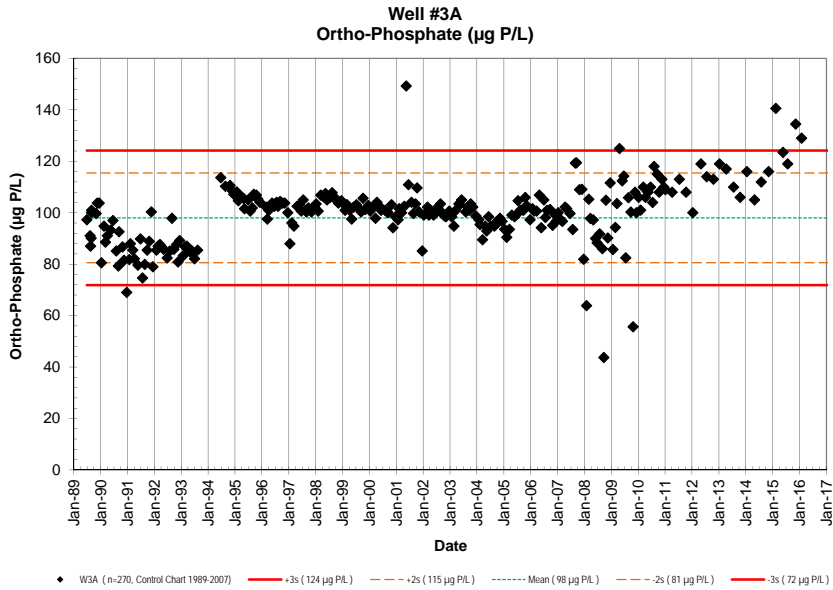
Well 3A Data Table

6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.				
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W3A	-8.53	7/29/14	1150	-5.95	0.12	Low	3.62	112	94.5	1323	0.43	6.0	663	18610			23.2	7.90	8.52	7.76	9.48		
W3A	-8.53	11/5/14	1143	-5.77	0.17	Flood	3.75	116	103.5	1449	0.49	6.9	655	18398			23.6	8.03	7.73	8.20	0.15		
W3A	-8.53	2/11/15	1052	-5.74	0.18	Ebb	4.54	141	103.5	1449	1.33	18.6	739	20760			23.3	8.02	8.15	7.78	0.09		
W3A	-8.53	5/20/15	1218	-6.01	0.00	Flood	3.99	124	95.0	1330	0.41	5.7	594	16681			23.3	8.08	8.44	7.7	0.20		
W3A	-8.53	7/22/15	959	-5.77	0.34	Ebb	3.84	119	86.8	1216	0.16	2.2	614	17250			23.6	7.96	8.77	7.7	0.15		
W3A	-8.53	11/9/15	1509	-5.58	0.40	Ebb	4.34	135	116.2	1628	0.07	1.0	993	27893			23.7	8.03	7.47	8.32	0.40		
W3A	-8.53	1/27/16	1311	-5.98	0.08	Low	4.16	129	111.0	1555	0.21	3.0	630	17704			23.6	8.03	8.54	7.45	0.31		
W3A	-8.53	4/1/16																					

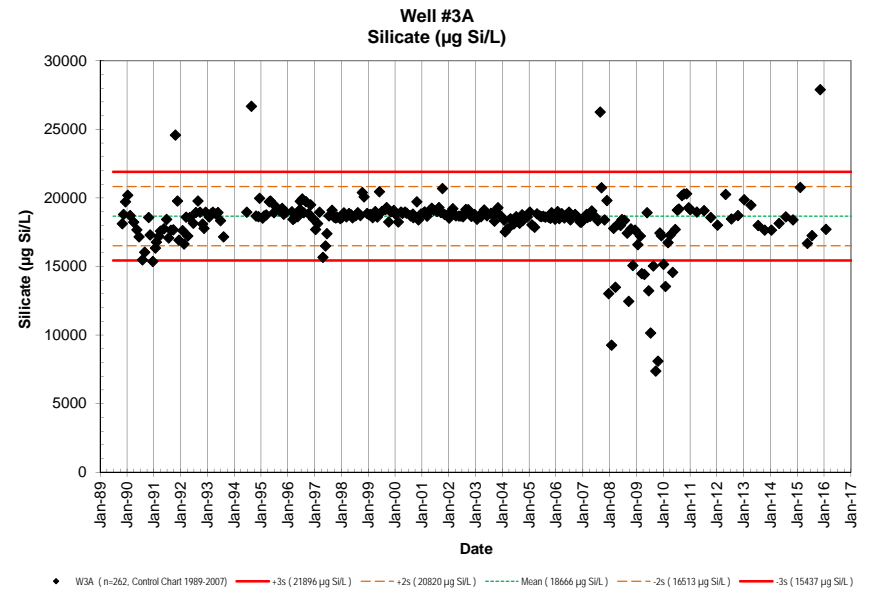
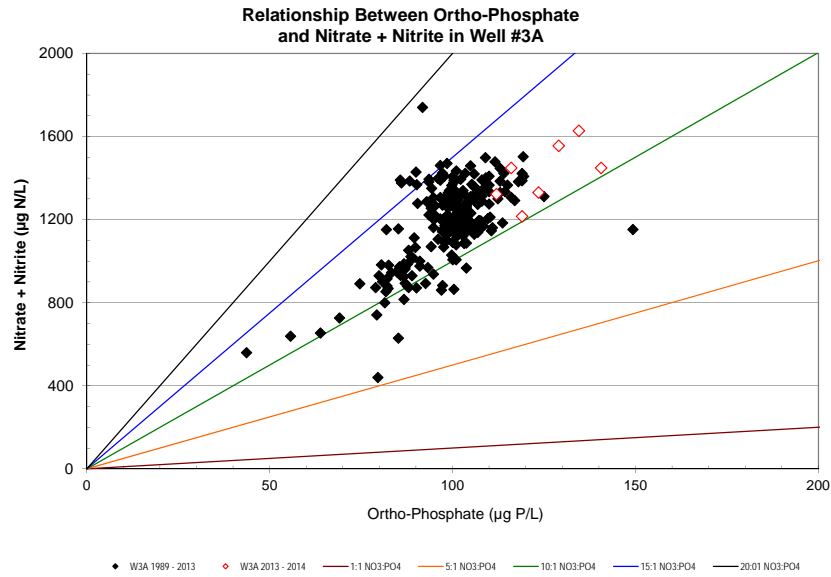
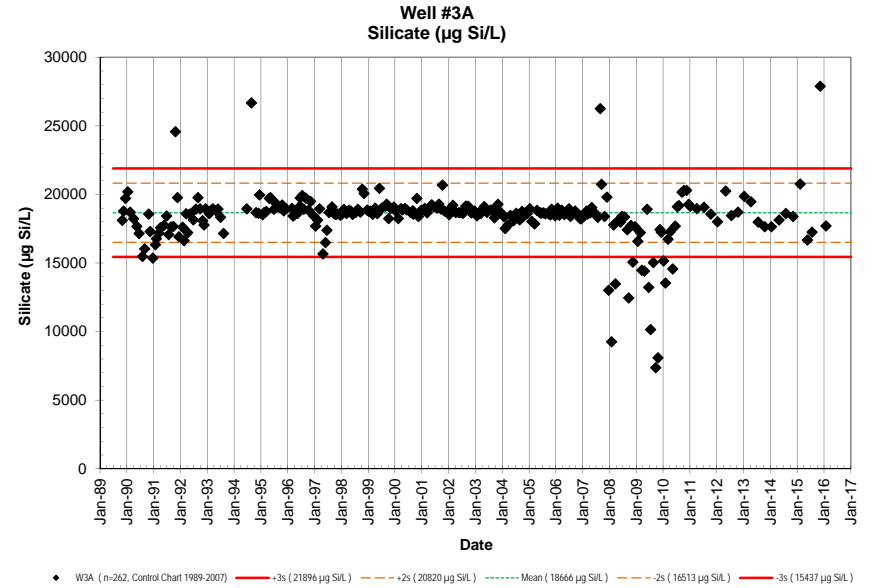
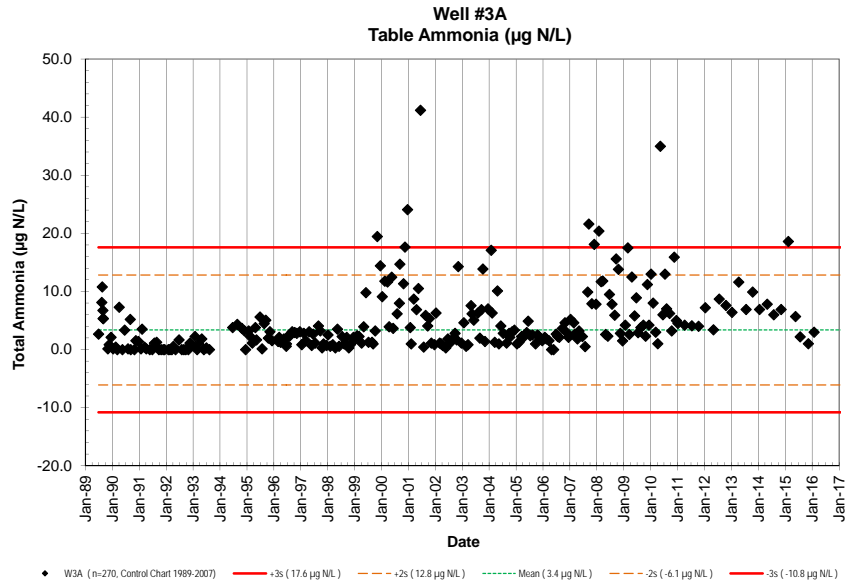
NELHA Water Quality Laboratory

Well 3A
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NELHA Water Quality Laboratory

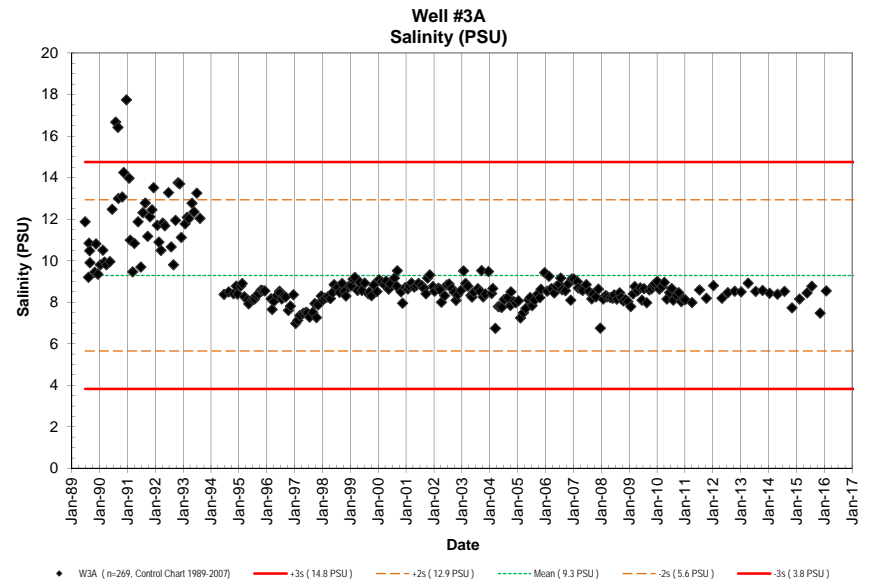
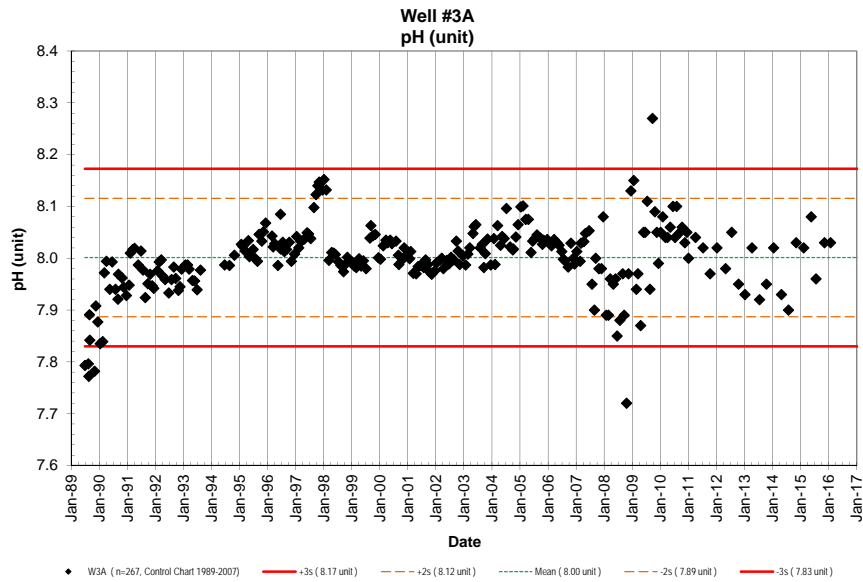
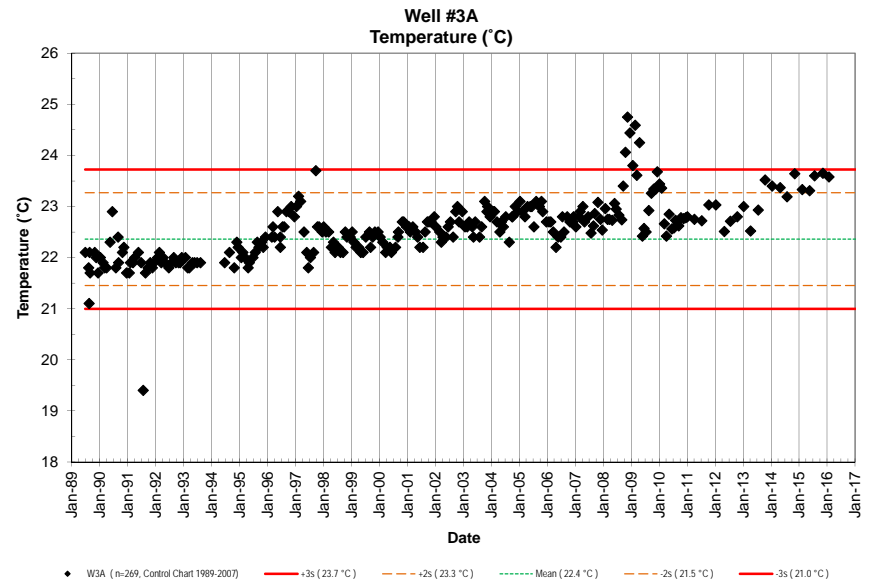
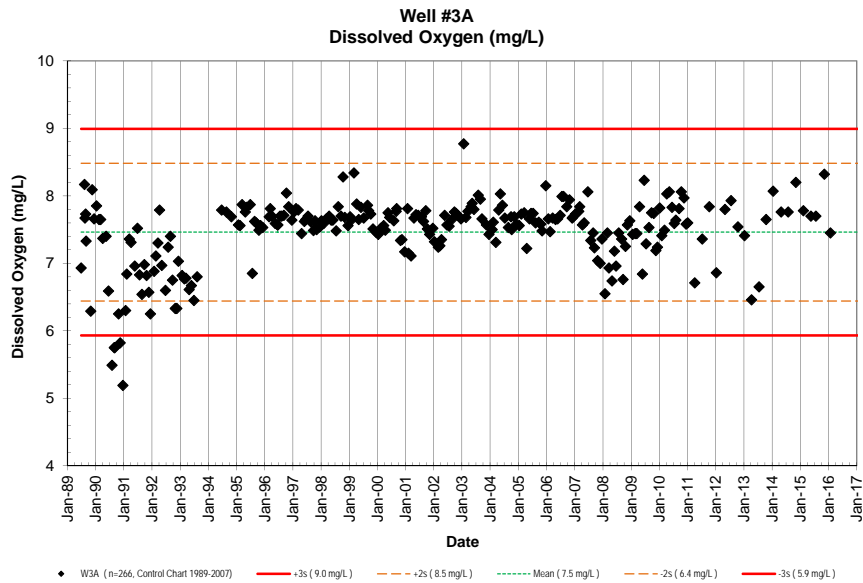
Well 3A
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NELHA Water Quality Laboratory

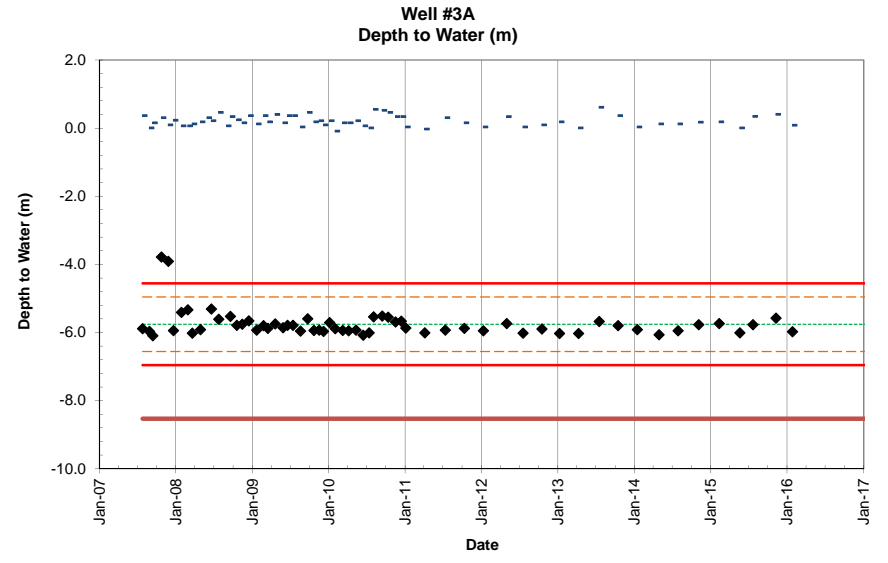
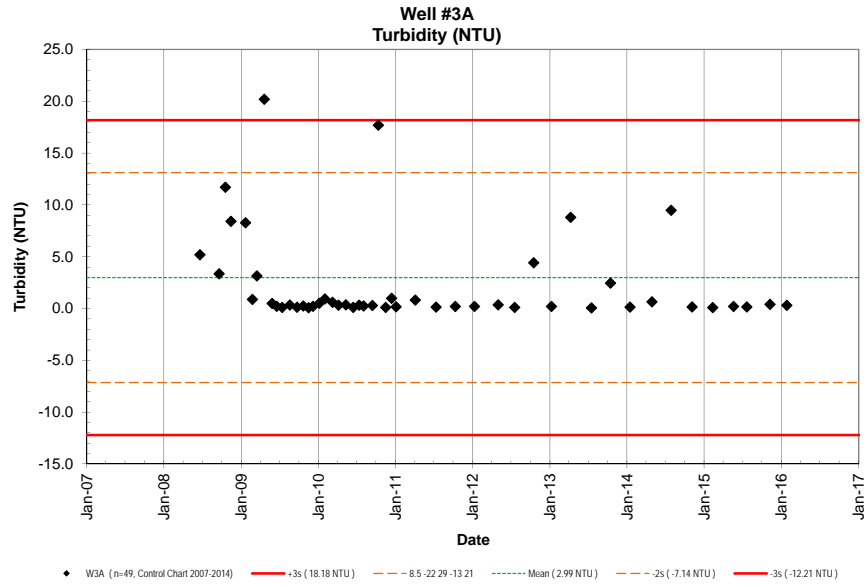
Well 3A

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NELHA Water Quality Laboratory

Well 3A
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NELHA Water Quality Laboratory

Well 3B Data Table

6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W3B	-7.32	7/31/03	1025			3.27	101	94.4	1322	0.27	3.8	674	18927	3.34	103.45	98.3	1377			
W3B	-7.32	8/27/03	1043			3.38	105	95.6	1339	0.70	9.8	680	19101	3.92	121.42	115	1614			<1
W3B	-7.32	9/17/03	1010			3.46	107	96.6	1352	0.35	4.9	690	19368	4.12	127.61	102	1433			<1
W3B	-7.32	10/7/03	1011			3.38	105	96.7	1355	1.11	15.5	687	19286	3.50	108.41	110	1541			<1
W3B	-7.32	11/4/03	952			3.32	103	90.3	1265	0.44	6.2	688	19314	3.32	102.83	104	1450			<1
W3B	-7.32	11/14/03	1127																	<1
W3B	-7.32	12/16/03	949			3.28	102	94.5	1324	0.40	5.6	701	19677	3.39	105.00	99.2	1389			<1
W3B	-7.32	1/27/04	1010			3.10	96	89.3	1251	0.12	1.7	660	18525	3.19	98.81	91.0	1275			<1
W3B	-7.32	2/10/04	1007			3.14	97	88.6	1241	0.15	2.1	630	17697	3.08	95.40	89.2	1249			<1
W3B	-7.32	3/15/04	1011			2.88	89	78.9	1106	0.07	1.0	617	17320	3.05	94.47	80.9	1133			<1
W3B	-7.32	4/21/04	922			3.14	97	91.6	1283	0.02	0.3	663	18623	3.09	95.71	94.4	1323			<1
W3B	-7.32	5/12/04	917			3.14	97	94.3	1321	0.09	1.3	663	18626	3.08	95.40	97.0	1359			<1
W3B	-7.32	6/7/04	952			3.20	99	95.5	1338	0.18	2.5	653	18337	3.30	102.21	97.5	1365			<1
W3B	-7.32	7/8/04	1022			3.16	98	90.5	1267	0.08	1.1	676	18977	3.22	99.74	99.0	1387	0.39		<1
W3B	-7.32	8/24/04	950			3.14	97	94.7	1327	0.10	1.4	653	18351	3.08	95.40	101	1420			<1
W3B	-7.32	9/28/04	1005			3.42	106	106	1483	0.20	2.8	719	20179	3.30	102.21	115	1607			<1
W3B	-7.32	10/5/04	1055			3.16	98	101	1419	0.13	1.8	676	18972	3.28	101.59	116	1625			<1
W3B	-7.32	11/8/04	946			3.34	103	94.5	1323	0.19	2.7	679	19064	3.42	105.93	104	1452			<1
W3B	-7.32	12/7/04	957			3.20	99	101	1420	0.16	2.2	673	18899	3.24	100.35	118	1646			<1
W3B	-7.32	1/11/05	945			2.94	91	86.4	1210	0.08	1.1	662	18579	3.00	92.92	88.2	1236			<1
W3B	-7.32	2/8/05	945			2.78	86	83.7	1172	0.20	2.8	626	17582	2.86	88.58	93.3	1307			<1
W3B	-7.32	3/16/05	1028			3.01	93	99.4	1392	0.20	2.8	640	17974	3.17	98.19	110	1537	0.42		<1
W3B	-7.32	4/18/05	1036			3.26	101	91.3	1279	0.11	1.5	675	18963	3.32	102.83	98.1	1373			<1
W3B	-7.32	5/24/05	953			3.18	98	99.5	1394	0.18	2.5	672	18876	3.22	99.74	110	1534			<1
W3B	-7.32	6/13/05	1014			3.26	101	95.9	1344	0.18	2.5	677	19020	3.24	100.35	100	1405			<1
W3B	-7.32	7/11/05	1015			3.47	107	91.4	1280	0.16	2.2	673	18890	3.58	110.89	98.0	1372			<1
W3B	-7.32	8/10/05	930			3.32	103	89.0	1246	0.16	2.2	670	18809	3.46	107.17	89.6	1255			<1
W3B	-7.32	9/21/05	923			3.30	102	96.1	1347	0.12	1.7	665	18668	3.44	106.55	111	1549	0.43		<1
W3B	-7.32	10/18/05	948			3.36	104	94.0	1316	0.14	2.0	668	18770	3.50	108.41	102	1424			<1
W3B	-7.32	11/3/05	908			3.38	105	97.7	1369	0.18	2.5	685	19241	3.58	110.89	99.8	1398			<1
W3B	-7.32	12/21/05	1020			3.34	103	91.4	1281	0.14	2.0	674	18938	3.44	106.55	99.6	1396	0.50		<1
W3B	-7.32	1/24/06	927			3.42	106	94.2	1319	0.14	2.0	679	19076	3.58	110.89	97.9	1371			<1
W3B	-7.32	2/15/06	925			3.37	104	93.0	1302	0.16	2.2	667	18741	3.42	105.93	97.0	1358	0.34		<1
W3B	-7.32	3/21/06	918			3.26	101	94.0	1317	0.10	1.4	674	18930	3.29	101.90	94.7	1326	0.39		<1
W3B	-7.32	4/26/06	933			3.30	102	91.2	1278	<0.05	0.0	663	18621	3.42	105.93	80.0	1121	0.42		<1
W3B	-7.32	5/23/06	1003			2.99	93	90.0	1261	<0.05	0.0	660	18536	3.16	97.88	77.8	1090	0.54		<1
W3B	-7.32	6/27/06	1000			3.33	103	94.1	1318	0.21	2.9	670	18817	3.53	109.34	64.2	899	0.38		<1
W3B	-7.32	7/18/06	959			3.25	101	87.1	1220	0.11	1.5	661	18565	3.33	103.14	69.4	971	0.49		<1
W3B	-7.32	8/8/06	939			3.16	98	93.0	1303	<0.05	0.0	671	18845	3.30	102.21	75.9	1063	0.40		<1
W3B	-7.32	9/19/06	1036			3.25	101	90.5	1268	0.07	1.0	668	18761	3.42	105.93	83.8	1174	0.41		<1
W3B	-7.32	10/24/06	1015			3.12	97	84.3	1181	0.23	3.2	639	17947	3.26	100.97	81.1	1136	0.42		<1
W3B	-7.32	11/28/06	954			3.40	105	87.3	1223	0.27	3.8	651	18284	3.45	106.86	82.8	1160	0.46		<1
W3B	-7.32	12/12/06	946			3.15	98	86.4	1210	0.16	2.2	648	18199	3.32	102.83	80.6	1129	0.54		<1
W3B	-7.32	1/9/07	1014			3.22	100	88.1	1234	0.26	3.6	651	18284	3.29	101.90	91.8	1286	0.43		<1
W3B	-7.32	2/22/07	1000			3.15	98	91.6	1283	0.19	2.7	657	18452	3.24	100.35	93.4	1308	0.42		<1
W3B	-7.32	3/6/07	1025			3.18	98	93.4	1308	0.21	2.9	666	18705	3.33	103.14	95.2	1334	0.49		<1
W3B	-7.32	4/11/07	1147			3.23	100	87.3	1223	0.19	2.7	671	18845	3.37	104.38	82.2	1152	0.41		<1
W3B	-7.32	5/3/07	1000			3.35	104	93.7	1312	0.24	3.4	686	19267	3.53	109.34	87.7	1229	0.50		<1
W3B	-7.32	6/19/07	935			3.13	97	90.8	1272	0.17	2.4	649	18227	3.24	100.35	76.6	1073	0.35		<1

NELHA Water Quality Laboratory

Well 3B Data Table

6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.	
	Depth (m)	MD/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W3B	-7.32	7/26/07	1040	-6.00	0.37	Flood	3.09	96	99.6	1395	0.04	0.5	661	18576	3.30	102.3	95.9	1343.1		
W3B	-7.32	8/28/07	1023	-6.02	0.00	Low	3.45	107	102.0	1429	0.51	7.2	929	26085	3.45	106.8	101.7	1424.2		
W3B	-7.32	9/13/07	1215	-5.94	0.15	Low	3.51	109	103.0	1443	0.74	10.4	751	21104	3.51	108.7	97.5	1366.0		
W3B	-7.32	10/24/07	1126	-5.94	0.30	Flood	3.37	105	108.3	1517	0.01	0.2	658	18466	3.33	103.2	103.2	1445.9		
W3B	-7.32	11/26/07	1437	-5.26	0.09	Flood	3.58	111	101.0	1414	0.60	8.5	739	20751	3.32	102.7	107.1	1500.7		
W3B	-7.32	12/20/07	1114	-5.82	0.23	High	2.72	84	81.8	1146	0.55	7.7	525	14748						
W3B	-7.32	1/28/08	1419	-6.02	0.06	Low	2.96	92	79.6	1115	0.31	4.3	398	11178						
W3B	-7.32	2/27/08	1153	-5.79	0.06	Low	3.32	103	98.1	1374	0.63	8.8	630	17693						
W3B	-7.32	3/20/08	1211	-6.04	0.12	Flood	3.24	100	108.7	1522	0.07	1	618	17363						
W3B	-7.32	4/28/08	1155	-6.00	0.18	High	3.08	95	102.2	1432	0.19	2.6	643	18057						
W3B	-7.32	5/29/08	1007		0.30	Flood	2.96	92	102.7	1438	0.12	1.7	640	17969						
W3B	-7.32	6/19/08	1049	-6.22	0.21	Ebb	2.87	89	99.0	1387	0.18	2.5	641	18014						
W3B	-7.32	7/24/08	1009	-5.74	0.46	Ebb	2.99	93	125.3	1756	0.72	10.1	650	18246						
W3B	-7.32	8/30/08	1033		0.06	Flood	2.68	83	96.8	1356	0.29	4.0	529	14866						
W3B	-7.32	9/18/08	920	-5.58	0.34	Ebb	1.12	35	37.0	519	1.29	18.0	345	9698						
W3B	-7.32	10/28/08	922	-5.83	0.24	Ebb	3.32	103	102.3	1433	0.47	6.6	623	17510						
W3B	-7.32	11/13/08	942	-5.80	0.15	Ebb	2.99	93	98.0	1372	0.06	0.9	537	15082						
W3B	-7.32	12/15/08	1025	-5.67	0.37	Ebb	3.28	102	106.9	1497	0.33	4.6	596	16735						
W3B	-7.32	1/21/09	934	-5.99	0.12	Low	2.56	79	100.0	1400	0.14	1.9	574	16135						
W3B	-7.32	2/23/09	1515	-5.83	0.37	High	3.02	93	104.6	1466	1.04	14.6	637	17898						
W3B	-7.32	3/16/09	809	-5.94	0.18	High	3.17	98	81.6	1143	0.54	7.6	540	15162						
W3B	-7.32	4/20/09	1512	-5.81	0.43	High	3.94	122	92.0	1289	0.46	6.4	418	11753						
W3B	-7.32	5/27/09	755	-5.91	0.15	Ebb	3.66	114	92.0	1288	0.21	3.0	669	18798						
W3B	-7.32	6/18/09	1016	-5.80	0.34	Flood	2.84	88	65.5	917	0.49	6.8	269	7546						
W3B	-7.32	7/14/09	825	-5.82	0.37	Flood	2.31	72	48.3	677	0.23	3.2	366	10281						
W3B	-7.32	8/19/09	848	-6.01	0.03	Low	3.55	110	103.4	1449	0.51	7.2	491	13782						
W3B	-7.32	9/22/09	859	-5.63	0.46	Ebb	1.89	58	44.4	622	0.12	1.7	254	7144						
W3B	-7.32	10/22/09	1324	-5.95	0.18	Ebb	3.13	97	89.9	1259	0.27	3.8	254	7140						
W3B	-7.32	11/16/09	1429	-5.98	0.21	High	3.50	108	96.7	1355	0.81	11.3	632	17762						
W3B	-7.32	12/7/09	1404	-6.02	0.09	Ebb	3.39	105	100.9	1413	0.29	4.0	543	15240						
W3B	-7.32	1/5/10	1138	-5.78	0.21	Ebb	3.00	93	93.0	1302	0.64	9.0	584	16396						
W3B	-7.32	2/1/10	1159	-5.92	-0.09	Low	3.49	108	103.5	1450	1.36	19.0	596	16748						
W3B	-7.32	3/9/10	1202	-5.98	0.15	High	3.58	111	93.6	1311	0.14	2.0	587	16483						
W3B	-7.32	4/6/10	1048	-6.00	0.15	High	3.58	111	93.8	1314	0.36	5.0	642	18025						
W3B	-7.32	5/11/10	1110	-5.98	0.21	Flood	3.52	109	83.8	1174	2.21	31.0	564	15834						
W3B	-7.32	6/15/10	1158	-6.15	0.06	Low	3.10	96	80.7	1130	0.36	5.0	546	15327						
W3B	-7.32	7/13/10	1110	-6.05	0.00	Low	3.45	107	95.2	1333	1.14	16.0	687	19308						
W3B	-7.32	8/3/10	1116	-5.58	0.55	High	3.78	117	99.0	1387	0.40	5.6	687	19293						
W3B	-7.32	9/14/10	1127	-5.54	0.52	Ebb	3.71	115	97.5	1365	0.49	6.9	712	20001						
W3B	-7.32	10/12/10	1139	-5.59	0.46	Ebb	3.55	110	99.0	1386	0.25	3.5	735	20649						
W3B	-7.32	11/16/10	1054	-5.73	0.34	Flood	3.65	113	103.0	1443	0.36	5.1	723	20298						
W3B	-7.32	12/14/10	1132	-5.69	0.34	Ebb	3.52	109	100.6	1409	0.33	4.6	685	19235						
W3B	-7.32	1/4/11	1119	-5.92	0.03	Low	3.52	109	96.5	1352	0.33	4.6	675	18965						
W3B	-7.32	4/5/11	1143	-6.05	-0.03	Low	3.26	101	87.6	1227	0.43	6.0	676	18975						
W3B	-7.32	7/12/11	1104	-5.98	0.30	Flood	3.65	113	94.6	1325	0.23	3.2	678	19047						
W3B	-7.32	10/11/11	1137	-5.92	0.15	Flood	3.49	108	93.2	1305	0.11	1.6	659	18516						
W3B	-7.32	1/10/12	1134	-6.00	0.03	Ebb	3.33	103	91.5	1282	0.53	7.4	650	18252						
W3B	-7.32	5/1/12	1149	-5.78	0.34	Flood	3.71	115	96.0	1345	0.30	4.2	689	19359						
W3B	-7.32	7/18/12	1043	-6.07	0.09	Flood	3.68	114	100.7	1410	0.62	8.7	657	18463						
W3B	-7.32	10/16/12	1131	-5.96	0.09	Low	3.68	114	99.9	1399	0.44	6.1	669	18793						
W3B	-7.32	1/8/13	1150	-5.98	0.18	Flood	3.94	122	103.7	1452	0.44	6.2	722	20272						
W3B	-7.32	4/9/13	1152	-6.07	0.00	Flood	3.81	118	92.5	1296	0.49	6.8	705	19805						
W3B	-7.32	7/17/13	1246	-5.70	0.61	High	3.55	110	94.5	1324	0.69	9.7	684	19203						
W3B	-7.32	10/15/13	1110	-5.76	0.37	Flood	3.52	109	98.3	1377	0.86	12.0	673	18915						
W3B	-7.32	1/15/14	1116	-5.96	0.03	Low	3.78	117	93.9	1315	0.56	7.8	642	18026						
W3B	-7.32	4/29/14	1217	-6.11	0.12	Flood	3.33	103	89.9	1259	0.57	8.0	616	17297						

NELHA Water Quality Laboratory

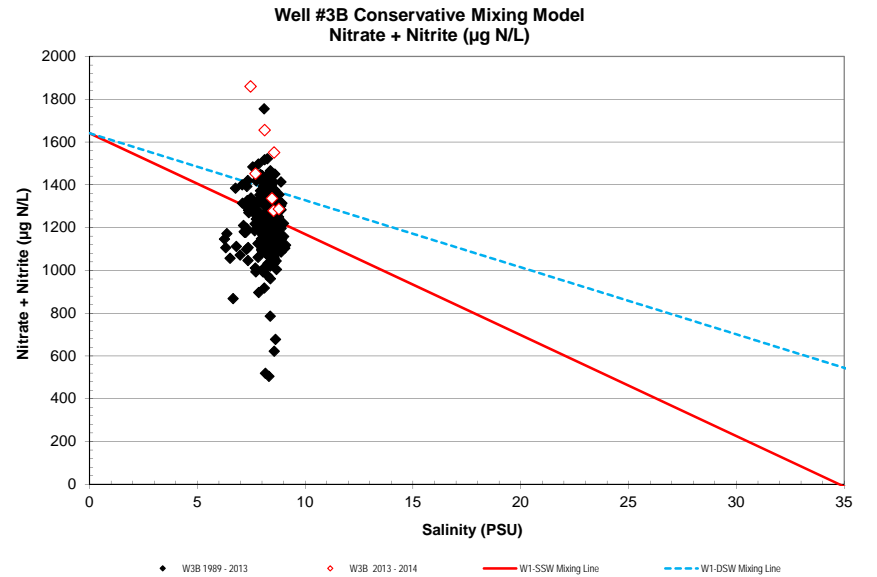
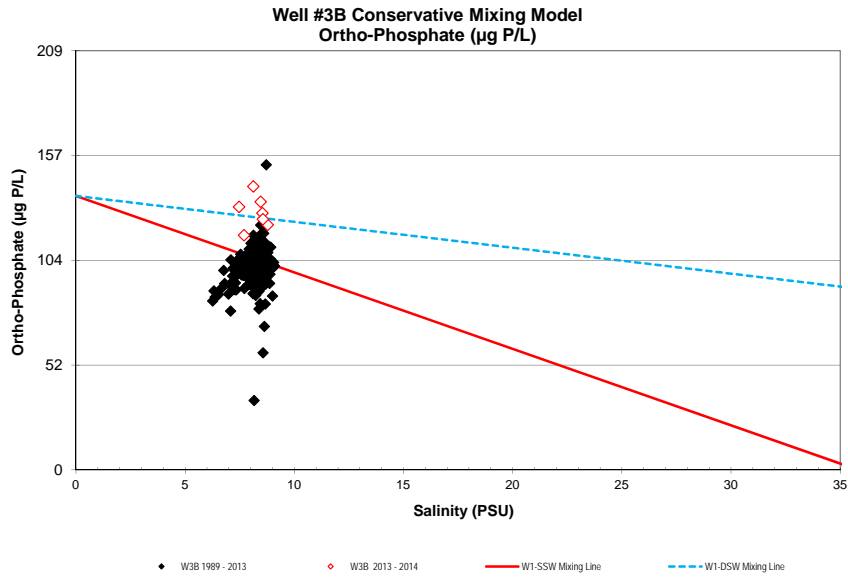
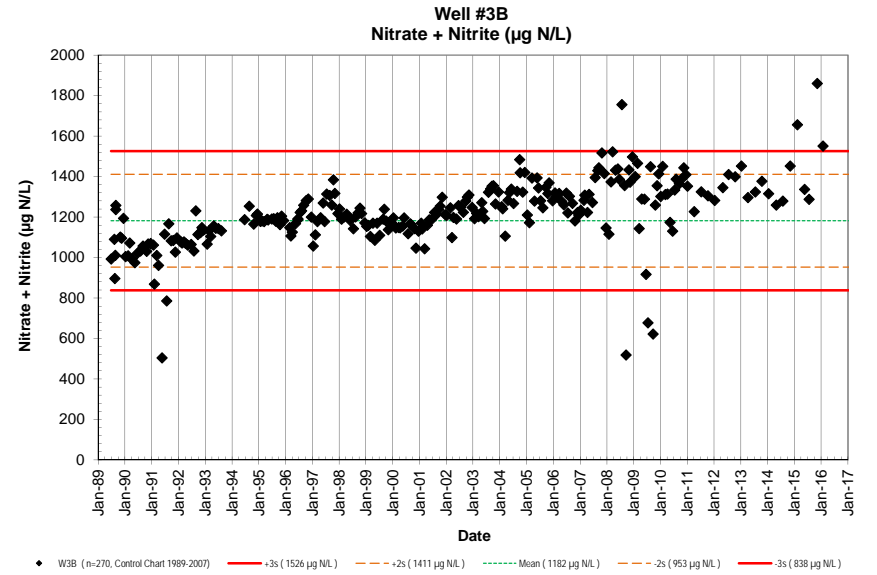
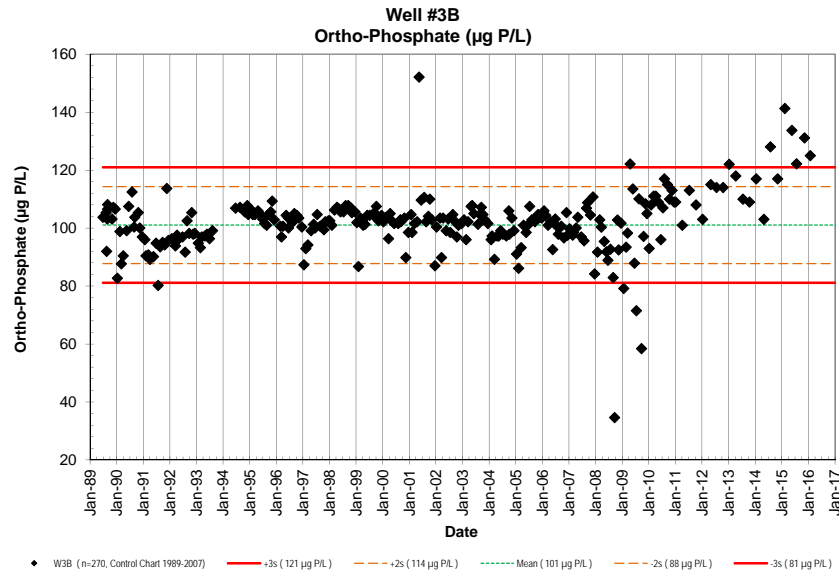
Well 3B Data Table

6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W3B	-7.32	7/29/14	1156	-5.99	0.12	Low	4.13	128	91.3	1279	1.07	15.0	640	17985				23.4	7.97	8.54	7.32	0.28		
W3B	-7.32	11/5/14	1149	-5.82	0.17	Flood	3.78	117	103.7	1452	0.54	7.5	651	18296				24.0	8.01	7.70	8.22	0.14		
W3B	-7.32	2/11/15	1042	-5.76	0.18	Ebb	4.56	141	118.2	1656	1.03	14.4	595	16700				23.4	7.93	8.12	7.79	0.14		
W3B	-7.32	5/20/15	1210	-6.06	0.00	Flood	4.32	134	95.4	1336	1.17	16.4	598	16789				23.2	8.07	8.46	7.53	0.03		
W3B	-7.32	7/22/15	952	-5.82	0.34	Ebb	3.95	122	91.9	1287	0.11	1.5	614	17248				23.5	7.95	8.78	7.81	0.02		
W3B	-7.32	11/9/15	1500	-5.56	0.40	Ebb	4.23	131	132.8	1860	0.06	0.8	961	26992				23.9	8.01	7.47	8.36	0.05		
W3B	-7.32	1/27/16	1302	-6.03	0.08	Low	4.04	125	110.7	1551	0.21	3.0	624	17537				23.6	7.94	8.56	7.45	0.11		
W3B	-7.32	4/1/16																						

NELHA Water Quality Laboratory

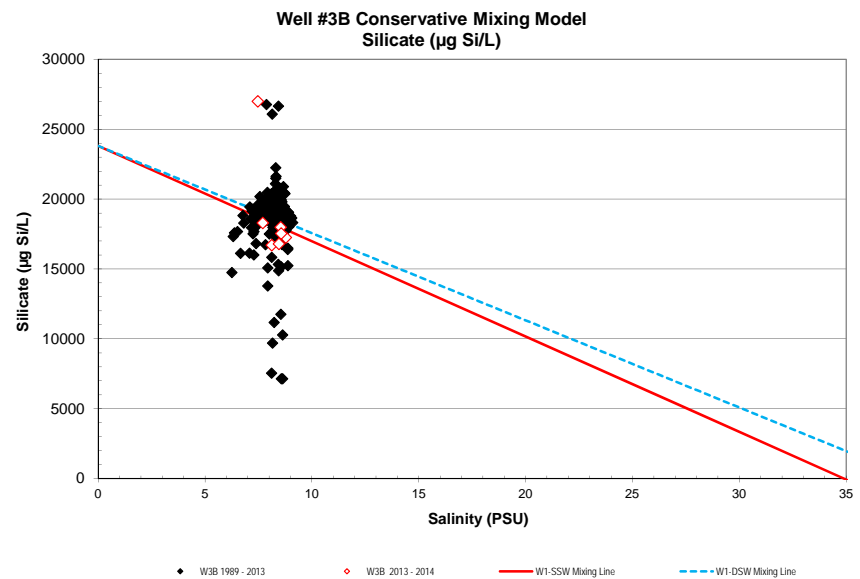
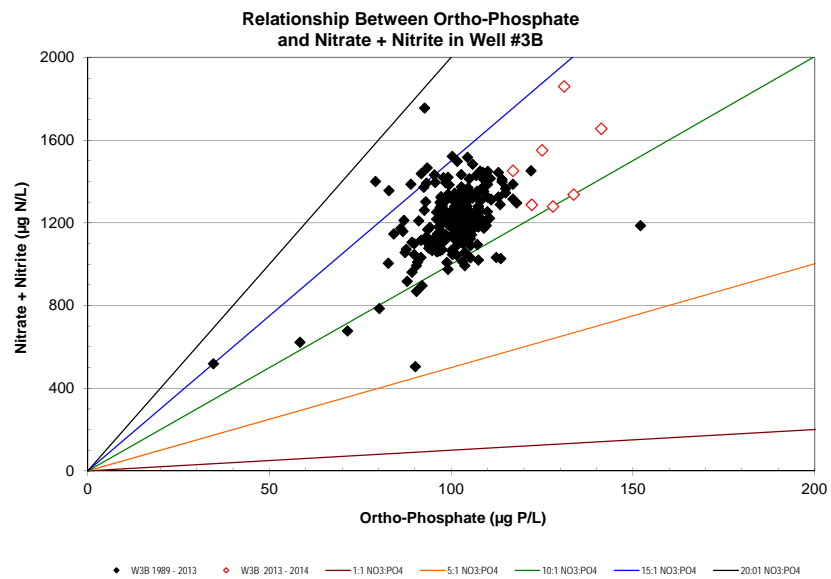
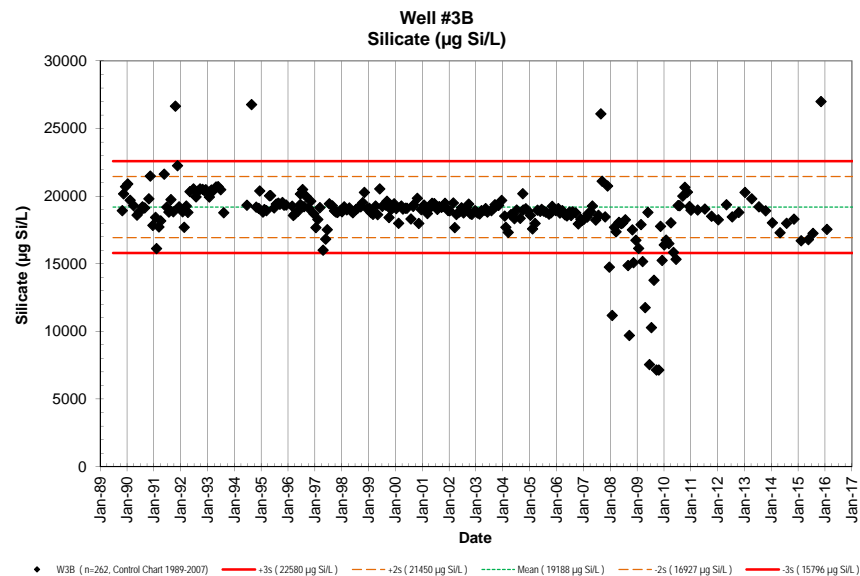
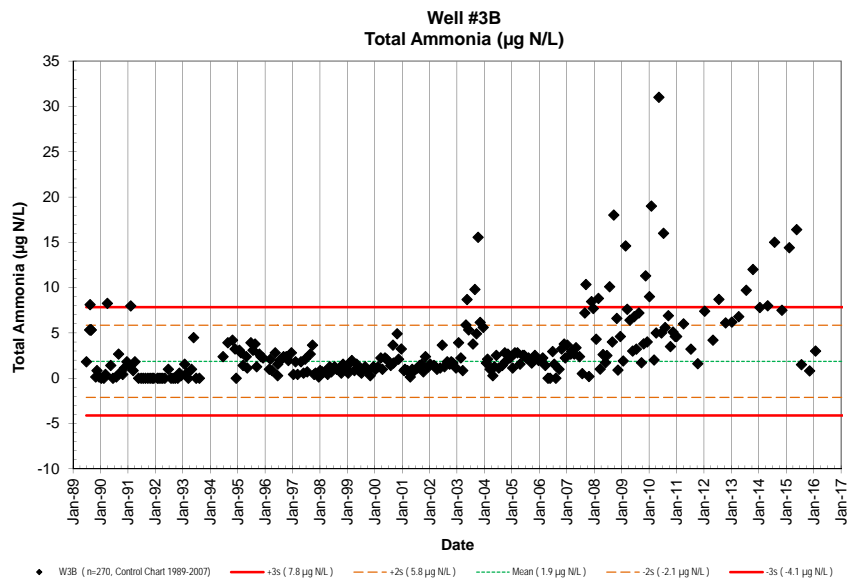
Well 3B
6/27/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 3B

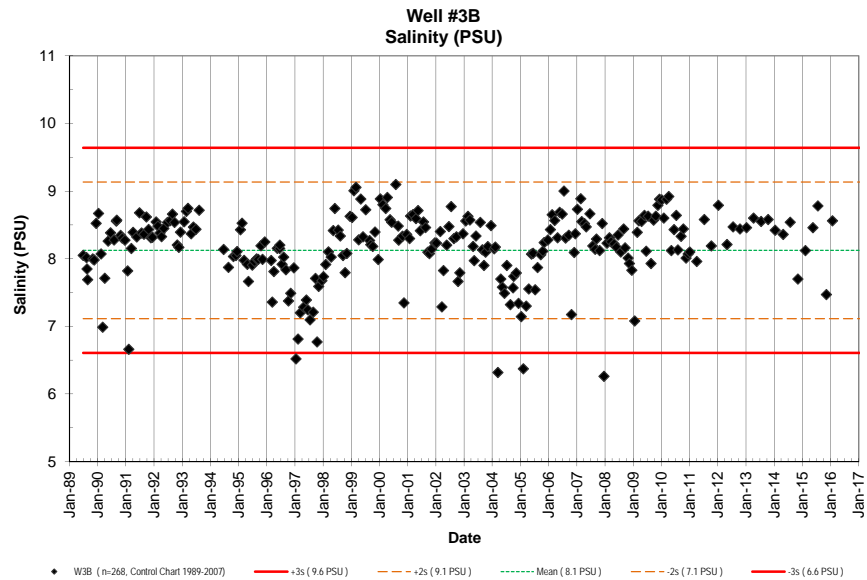
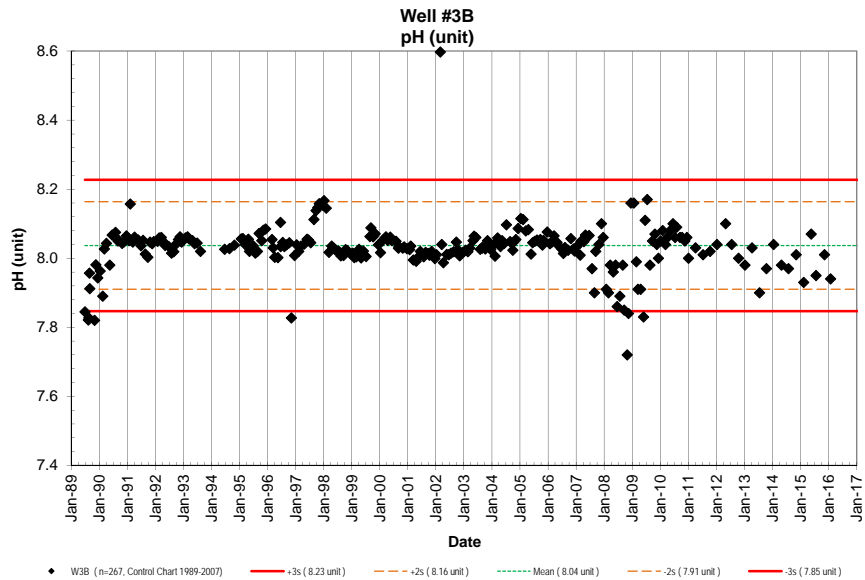
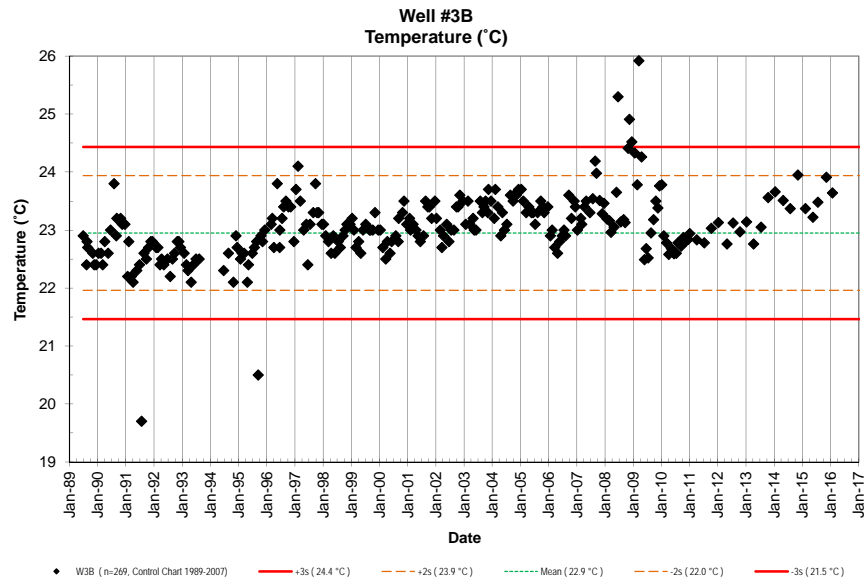
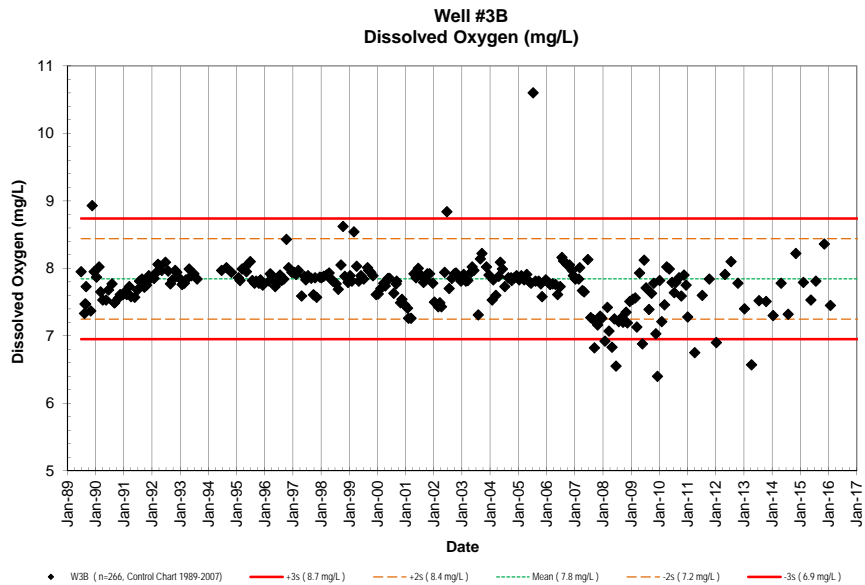
6/27/1989 - 4/4/2016



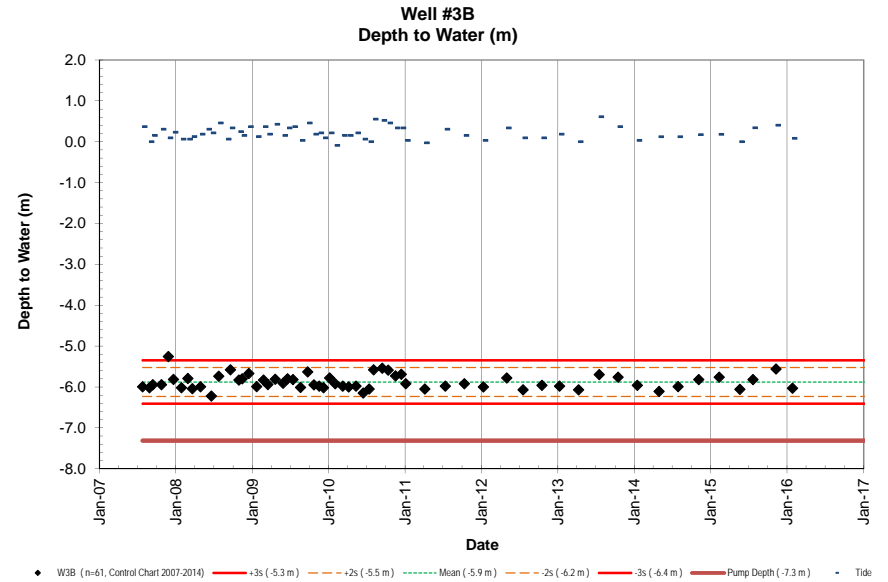
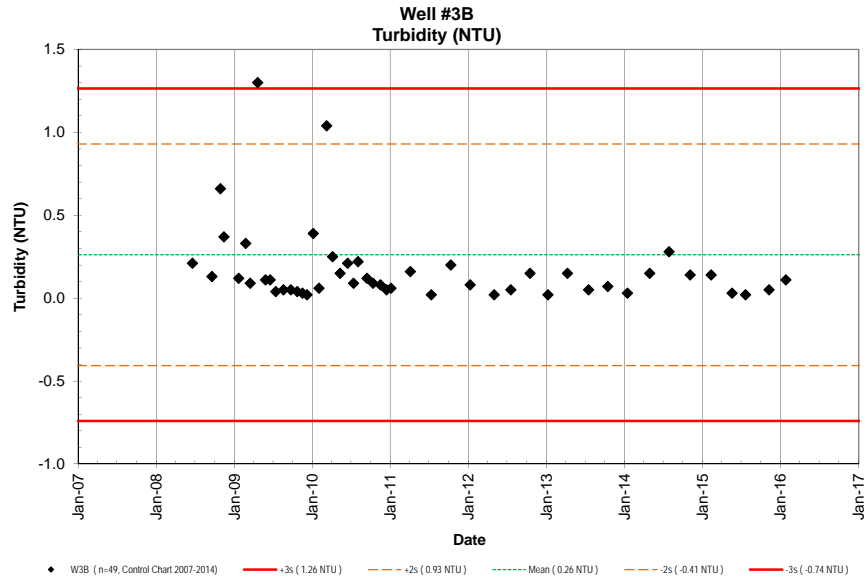
NELHA Water Quality Laboratory

Well 3B

6/27/1989 - 4/4/2016



NELHA Water Quality Laboratory
 Well 3B
 6/27/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 4 Data Table

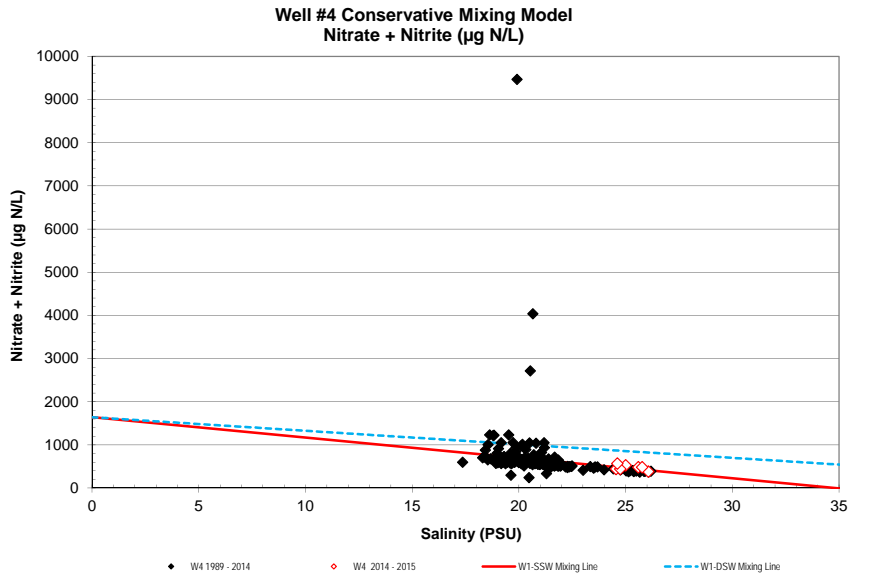
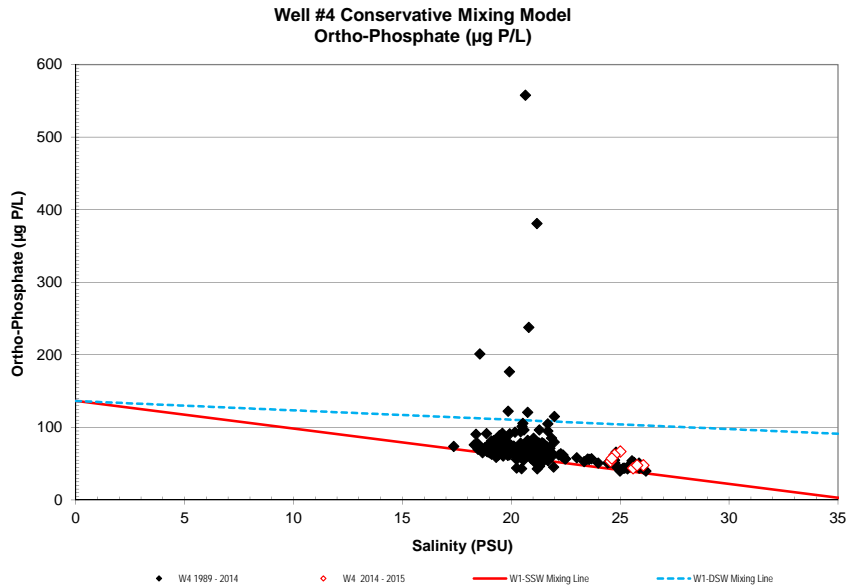
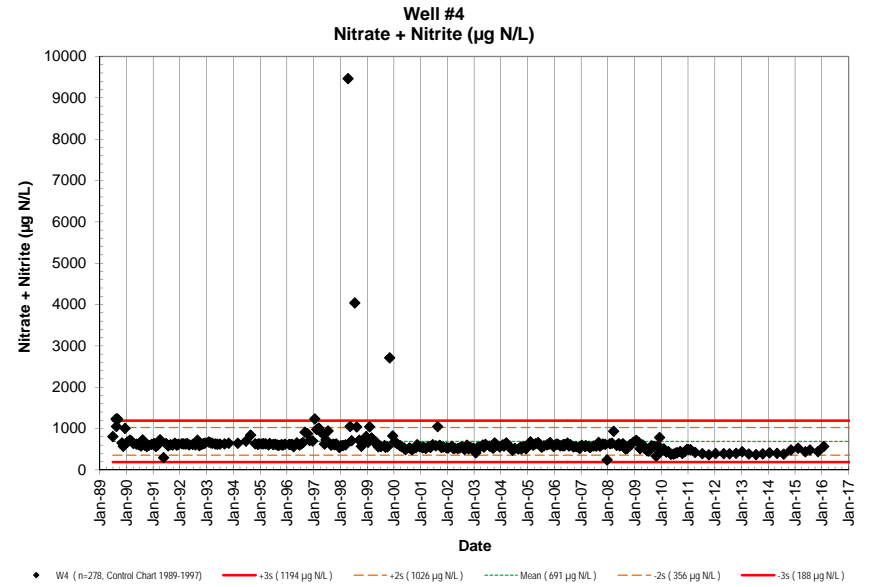
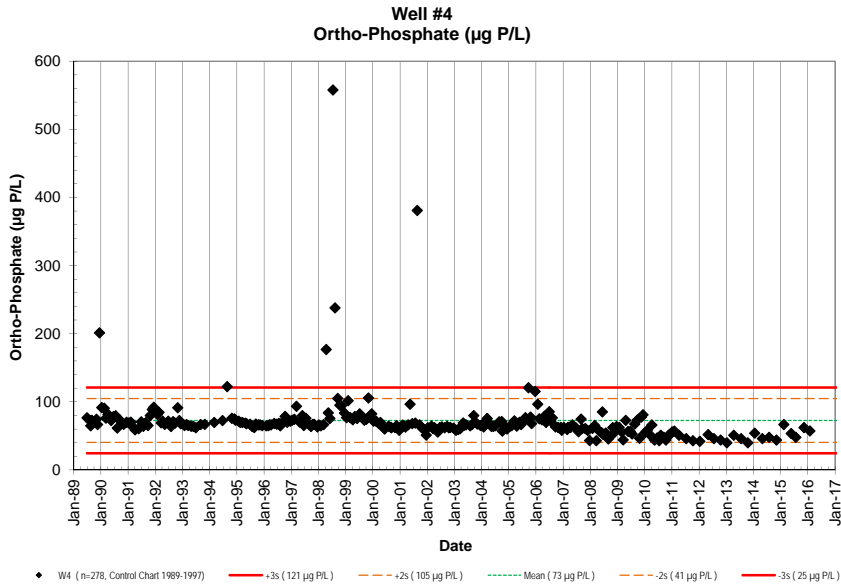
6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(μM)	(μM)	(μM)	(μM)	(μM)	(μM)	(mgC/L)	(°C)		(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W4	-15.24	7/29/14	1430	-7.09	0.30	Flood	1.55	48	27.3	382	0.43	6.0	363	10207						
W4	-15.24	11/5/14	1417	-6.91	0.38	Flood	1.42	44	34.6	485	0.41	5.8	345	9700						
W4	-15.24	2/11/15	1023	-7.01	0.24	Ebb	2.16	67	37.6	526	0.89	12.4	529	14868						
W4	-15.24	5/20/15	1150	-7.22	0.00	Flood	1.73	54	31.5	442	0.59	8.3	347	9751						
W4	-15.24	7/22/15	924	-7.29	0.30	Ebb	1.55	48	34.5	484	0.05	0.7	356	10008						
W4	-15.24	11/9/15	1445	-6.86	0.48	High	2.01	62	31.7	444	0.21	3.0	366	10268						
W4	-15.24	1/27/16	1239	-7.20	0.08	Low	1.85	57	40.6	569	0.16	2.2	370	10382						
W4	-15.24	4/1/16																		

NELHA Water Quality Laboratory

Well 4

6/27/1989 - 4/4/2016

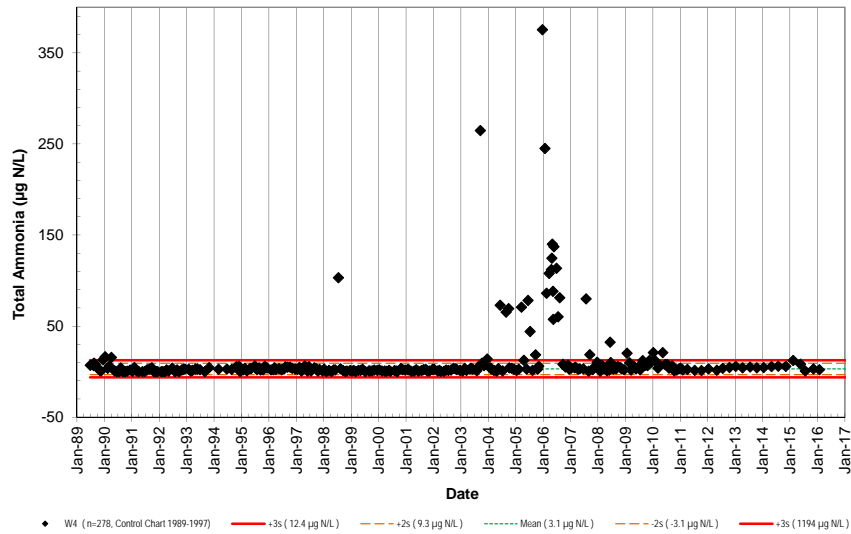


NELHA Water Quality Laboratory

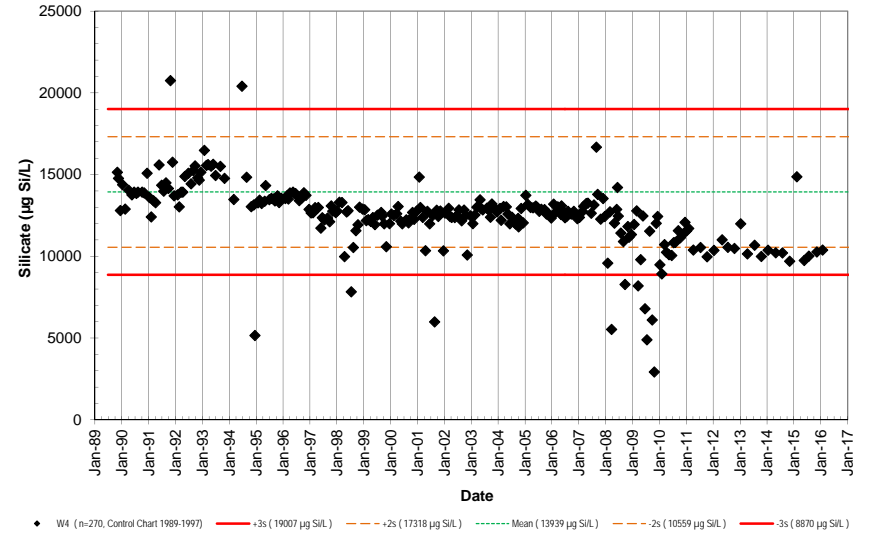
Well 4

6/27/1989 - 4/4/2016

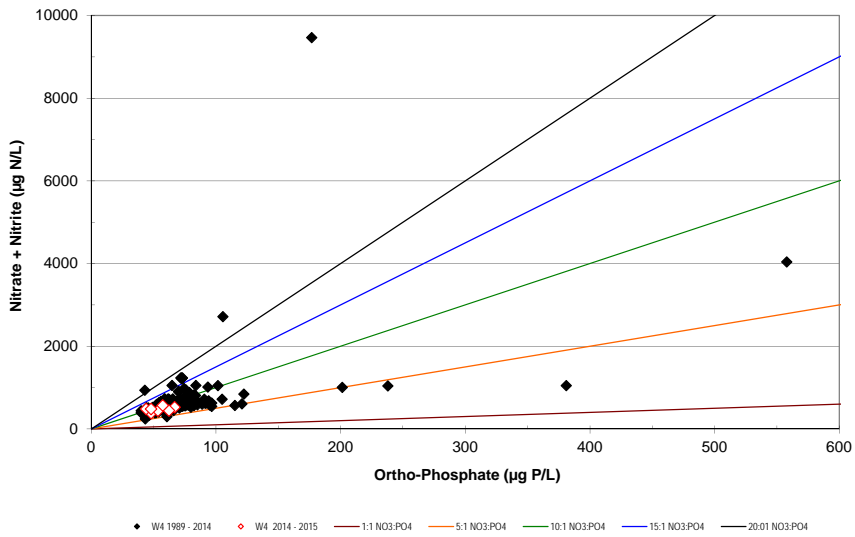
Well #4
Total Ammonia (µg N/L)



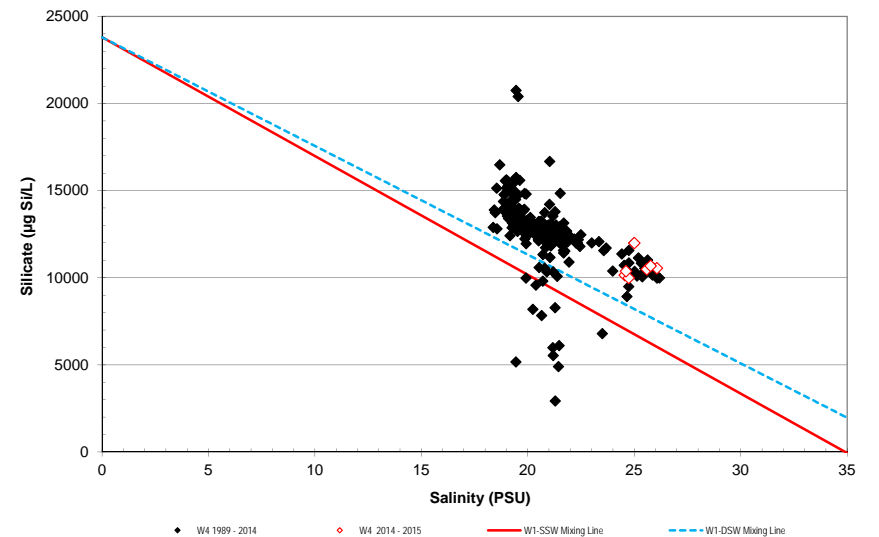
Well #4
Silicate (µg Si/L)



Relationship Between Ortho-Phosphate
and Nitrate + Nitrite in Well #4



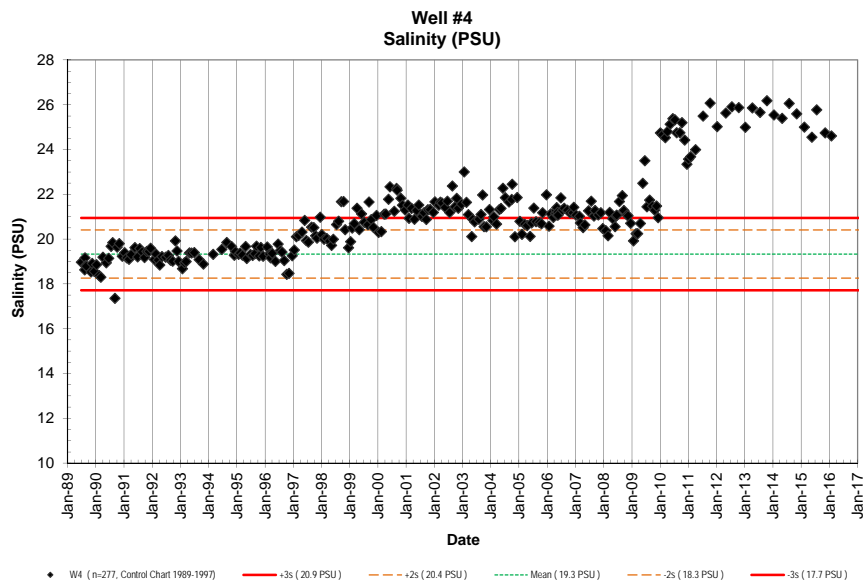
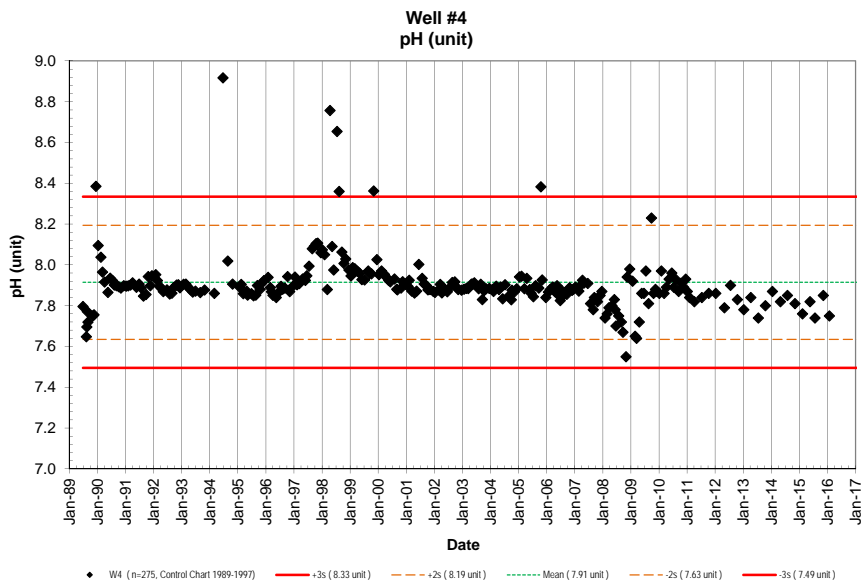
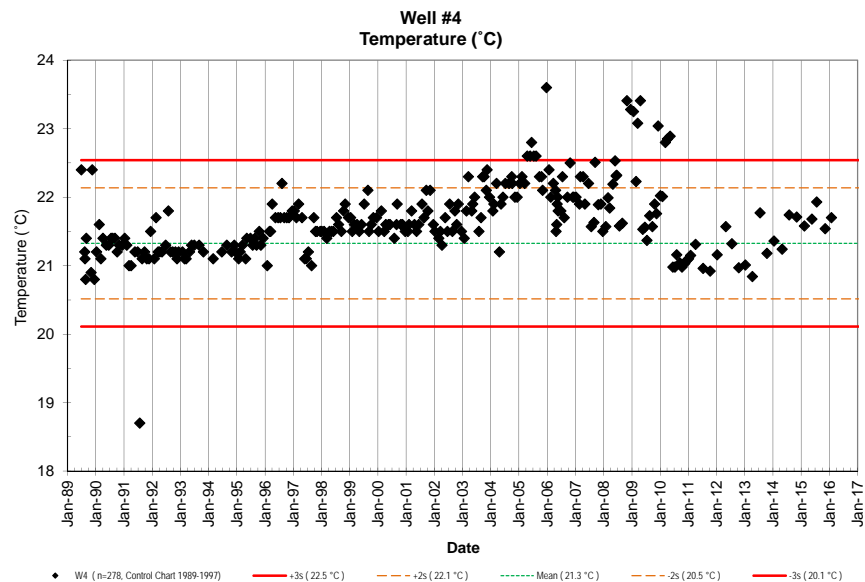
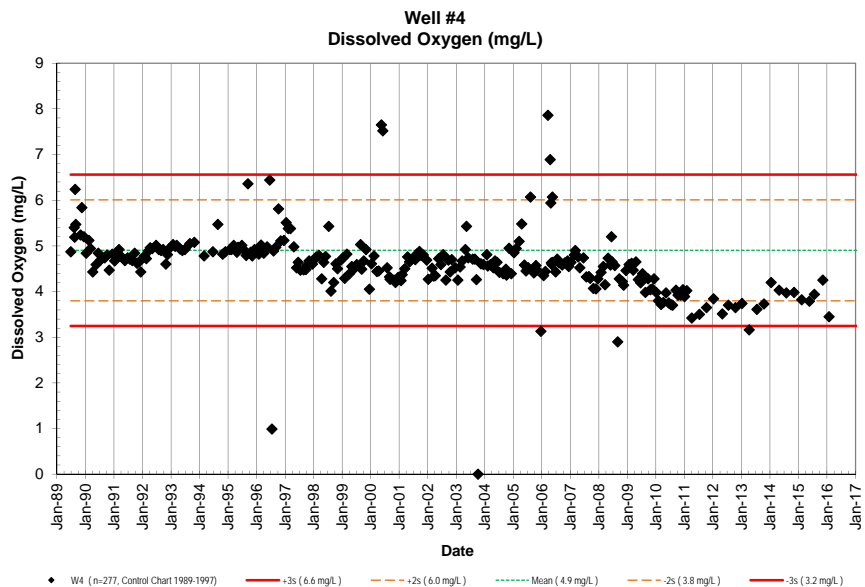
Well #4 Conservative Mixing Model
Silicate (µg Si/L)



NELHA Water Quality Laboratory

Well 4

6/27/1989 - 4/4/2016

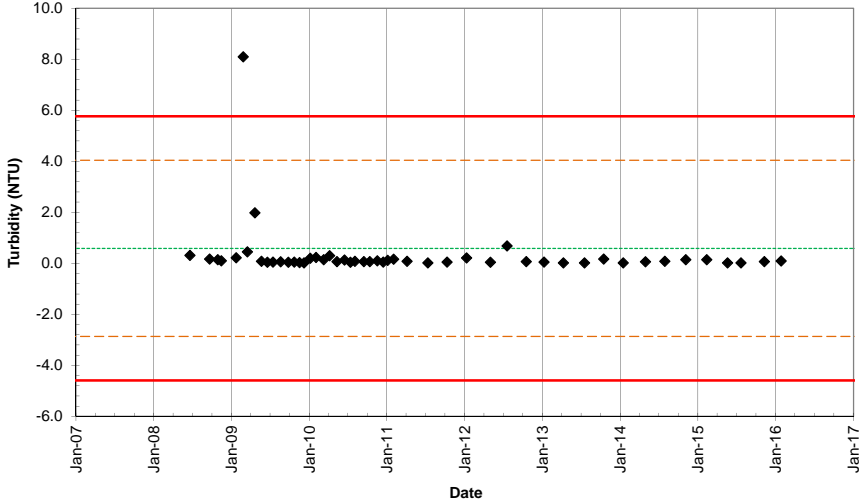


NELHA Water Quality Laboratory

Well 4

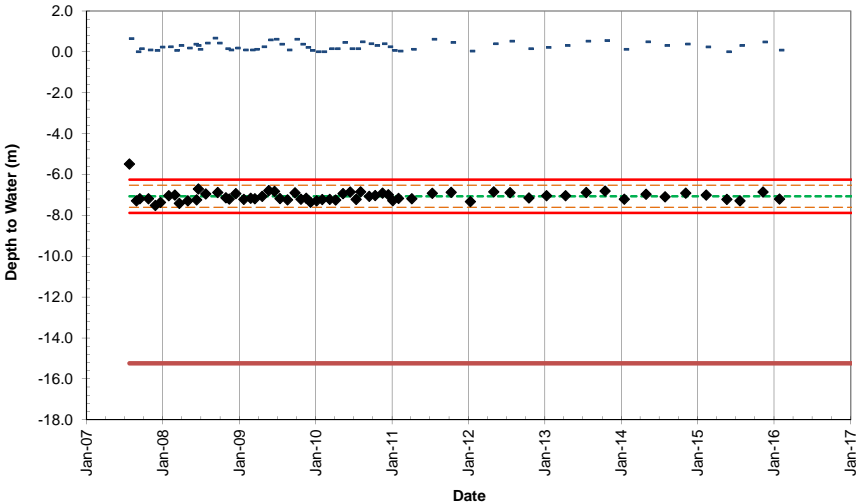
6/27/1989 - 4/4/2016

**Well #4
Turbidity (NTU)**



◆ W4 (n=50, Control Chart 2007-2014) — +3s (5.77 NTU) - - - +2s (4.04 NTU) - · - · - Mean (0.59 NTU) - - - -2s (-2.87 NTU) — -3s (-4.59 NTU)

**Well #4
Depth to Water (m)**



◆ W4 (n=63, Control Chart 2007-2014) — +3s (-6.3 m) - - - +2s (-6.5 m) - · - · - Mean (-7.1 m) - - - -2s (-7.6 m) — -3s (-7.9 m) — Pump Depth (-15.2 m) - - - Tide

NELHA Water Quality Laboratory
Well 4A Data Table
6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(μM)	(μM)	(μM)	(μM)	(μM)	(μM)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W4A	-10.67	7/25/07	1423	-6.91	0.64	High	7.64	237	59	824	0.44	6.2	342	9614	7.62	236	58.9	824.3		
W4A	-10.67	8/28/07	930	-7.32	0.00	Low	7.06	219	70	983	0.55	7.7	404	11354	6.82	211	72.7	1018.7		
W4A	-10.67	9/13/07	1220	-7.01	0.15	Flood	7.88	244	64	894	0.71	9.9	372	10449	8.24	255	66.2	926.6		
W4A	-10.67	10/24/07	948	-7.01	0.09	Low	6.21	192	78	1088	5.14	72.0	413	11599	6.41	198	82.3	1153.3		
W4A	-10.67	11/26/07	1319	-6.99	0.06	Low	6.85	212	87	1213	1.45	20.4	470	13190	6.44	200	93.5	1310.1		
W4A	-10.67	12/20/07	1009	-7.16	0.23	Low	6.31	195	90	1257	0.98	13.7	386	10833						
W4A	-10.67	1/29/08	936	-7.06	0.24	Ebb	5.47	169	83	1167	0.59	8.2	364	10213						
W4A	-10.67	2/27/08	1357	-6.71	0.06	Low	5.51	171	87	1216	1.04	14.6	483	13565						
W4A	-10.67	3/20/08	1423	-7.29	0.30	Flood	5.82	180	67	936	0.28	3.9	349	9795						
W4A	-10.67	4/29/08	1038	-7.29	0.18	Flood	6.07	188	77	1082	0.09	1.2	412	11575						
W4A	-10.67	5/29/08	1120		0.37	Flood	6.84	212	523	7319	0.22	3.1	427	11982						
W4A	-10.67	6/10/08	1023	-7.21	0.30	Flood	6.81	211	283	3969	0.35	4.9	709	19913						
W4A	-10.67	6/19/08	1023	-6.71	0.12	Flood	5.86	181	245	3432	3.90	55	573	16106						
W4A	-10.67	7/24/08	1121	-6.91	0.43	Ebb	5.41	168	94	1311	0.20	2.8	339	9515						
W4A	-10.67	8/29/08	1657		0.67	Ebb	5.25	163	74	1030	0.92	13	343	9646						
W4A	-10.67	9/19/08	1119	-6.87	0.43	Ebb	1.59	49	37	523	0.41	5.8	295	8281					10.1	
W4A	-10.67	10/28/08	1016	-7.08	0.15	Ebb	18.89	585	555	7779	1.49	21	414	11632					3.8	
W4A	-10.67	11/13/08	1030	-7.03	0.09	Ebb	6.28	195	199	2788	0.57	8.0	472	13245					2.7	
W4A	-10.67	12/15/08	1115	-6.94	0.18	Ebb	4.96	154	156	2189	0.10	1.4	494	13888						
W4A	-10.67	1/22/09	931	-7.14	0.09	Low	5.41	168	105	1466	0.96	13.4	355	9982					4.9	
W4A	-10.67	2/24/09	902	-7.06	0.09	Ebb	5.31	165	50	699	0.49	6.9	384	10798					0.18	
W4A	-10.67	3/16/09	921	-7.11	0.12	Ebb	4.14	128	53	738	0.13	1.8	304	8550					7.0	
W4A	-10.67	4/20/09	1649	-6.97	0.24	Ebb	6.29	195	75	1054	0.81	11.4	370	10403					15.7	
W4A	-10.67	5/21/09	1522	-6.73	0.58	Ebb	5.07	157	56	782	0.26	3.6	400	11227					3.7	
W4A	-10.67	6/18/09	1244	-6.86	0.61	High	5.58	173	47	657	0.31	4.3	225	6321					1.84	
W4A	-10.67	7/14/09	744	-7.08	0.37	Flood	1.70	53	33	458	0.16	2.2	174	4895					4.36	
W4A	-10.67	8/19/09	958	-7.19	0.09	Flood	4.09	127	50	695	3.93	55.0	356	10005					3.97	
W4A	-10.67	9/24/09	820	-6.84	0.61	High	4.03	125	52	731	0.54	7.5	230	6455					0.55	
W4A	-10.67	10/22/09	1431	-7.13	0.37	Ebb	2.94	91	31	435	0.43	6.0	146	4106					0.70	
W4A	-10.67	11/16/09	1558	-7.12	0.21	High	4.18	129	49	681	0.86	12.1	448	12576					0.36	
W4A	-10.67	12/7/09	1532	-7.23	0.06	Low	6.30	195	377	5280	0.67	9.4	441	12386					0.82	
W4A	-10.67	1/5/10	1405	-7.21	0.00	Ebb	11.36	352	595	8340	36.41	510	277	7780					10.90	
W4A	-10.67	2/1/10	1348	-7.17	0.00	Ebb	10.43	323	419	5864	13.21	185	267	7491					3.21	
W4A	-10.67	3/9/10	1423	-7.20	0.15	High	10.94	339	147	2053	2.37	33	368	10339					3.70	
W4A	-10.67	4/6/10	1317	-7.14	0.15	High	8.90	276	134	1874	0.71	10	327	9195					1.61	
W4A	-10.67	5/11/10	1324	-6.88	0.46	Flood	5.88	182	77	1072	1.64	23.0	396	11117					0.24	
W4A	-10.67	6/15/10	1419	-6.97	0.15	Flood	7.30	226	116	1621	0.36	5.0	242	6807					1.17	
W4A	-10.67	7/13/10	1331	-7.16	0.15	Flood	4.62	143	63	883	0.79	11.0	390	10951					0.30	
W4A	-10.67	8/3/10	1328	-6.76	0.49	Ebb	4.75	147	51	717	0.36	5.0	405	11369					0.26	
W4A	-10.67	9/14/10	1337	-6.86	0.40	Ebb	5.36	166	56	785	0.43	6.0	406	11403					3.42	
W4A	-10.67	10/12/10	1416	-6.98	0.30	Ebb	4.65	144	51	715	0.49	6.9	419	11757					1.72	
W4A	-10.67	11/16/10	1305	-6.86	0.40	High	4.58	142	56	778	0.46	6.5	420	11794					1.48	
W4A	-10.67	12/14/10	1335	-6.95	0.24	Ebb	4.78	148	63	882	0.26	3.7	426	11971					3.57	
W4A	-10.67	1/4/11	1317	-7.12	0.06	Flood	6.55	203	171	2396	0.22	3.1	360	10118					2.11	
W4A	-10.67	2/1/11	1038	-7.10	0.03	Low	6.26	194	120	1679	0.30	4.2	439	12320					2.30	
W4A	-10.67	4/5/11	1344	-7.11	0.12	Flood	5.49	170	88	1226	0.96	13.4	385	10802					4.23	
W4A	-10.67	7/12/11	1337	-6.84	0.61	Flood	5.13	159	66	920	0.24	3.3	425	11949					3.63	
W4A	-10.67	10/11/11	1513	-6.82	0.46	High	5.23	162	59	830	0.42	5.9	443	12439					0.67	
W4A	-10.67	1/10/12	1410	-7.19	0.03	Flood	4.97	154	79	1100	0.39	5.5	470	13210					6.34	
W4A	-10.67	5/1/12	1415	-6.80	0.40	Ebb	5.62	174	62	870	0.25	3.5	499	14020					0.49	
W4A	-10.67	7/18/12	1340	-6.88	0.52	Flood	5.10	158	72	1012	0.55	7.7	521	14646					1.16	
W4A	-10.67	10/16/12	1312	-7.10	0.15	Flood	4.84	150	70	983	0.35	4.9	493	13853					0.48	
W4A	-10.67	1/8/13	1422	-6.97	0.21	High	4.26	132	86	1206	0.54	7.5	590	16559					0.64	
W4A	-10.67	4/9/13	1355	-6.98	0.30	Flood	4.81	149	77	1084	0.47	6.6	547	15353					0.98	
W4A	-10.67	7/17/13	1516	-6.77	0.52	Ebb	4.52	140	61	859	0.51	7.2	471	13220					0.45	
W4A	-10.67	10/15/13	1356	-6.74	0.55	High	4.65	144	78	1099	0.82	11.5	514	14449					1.12	
W4A	-10.67	1/15/14	1343	-7.13	0.12	Flood	4.81	149	78	1091	0.69	9.6	485	13635					1.87	
W4A	-10.67	4/29/14	1453	-6.88	0.488	Flood	3.81	118	55	768	0.71	10.0	447	12543					0.49	

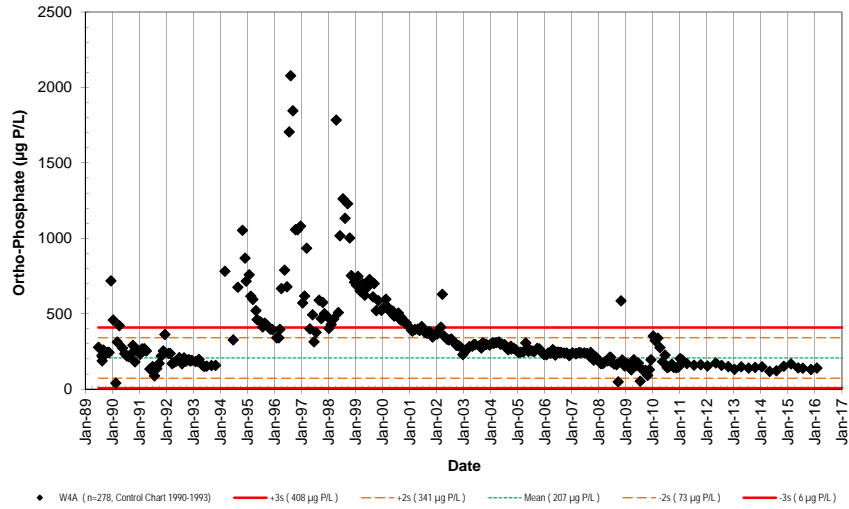
NELHA Water Quality Laboratory

Well 4A Data Table

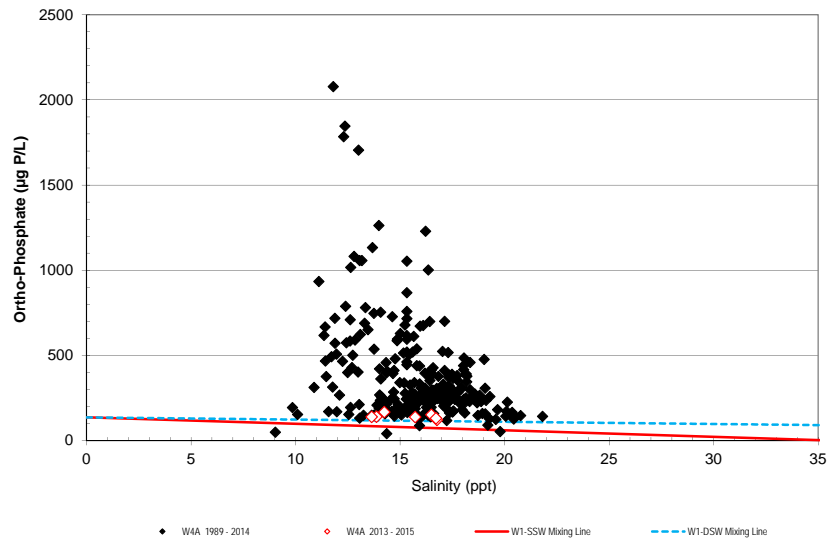
6/27/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W4A	-10.67	7/29/14	1421	-7.01	0.30	Flood	3.94	122	63	888	1.50	21.0	507	14245					22.8	7.88	16.76	4.73	0.12	
W4A	-10.67	11/5/14	1409	-6.84	0.38	Flood	4.91	152	67	940	0.46	6.4	460	12907					22.8	7.97	16.49	4.72	0.72	
W4A	-10.67	2/11/15	1015	-6.95	0.24	Ebb	5.41	168	91	1279	0.73	10.2	674	18930					22.6	7.94	14.24	5.22	0.69	
W4A	-10.67	5/20/15	1138	-7.36	0.00	Flood	4.54	141	79	1107	1.46	20.5	474	13309					23.0	8.05	13.87	5.57	1.46	
W4A	-10.67	7/22/15	917	-6.93	0.30	Ebb	4.48	139	58	813	0.05	0.7	448	12581					22.9	7.93	15.72	5.49	0.48	
W4A	-10.67	11/9/15	1434	-6.77	0.48	High	4.23	131	67	937	0.22	3.1	518	14539					22.9	8.02	16.71	4.56	0.99	
W4A	-10.67	1/27/16	1224	-7.15	0.08	Low	4.51	140	93	1305	0.10	1.4	505	14184					23.0	7.92	13.64	5.28	0.93	
W4A	-10.67	4/1/16																						

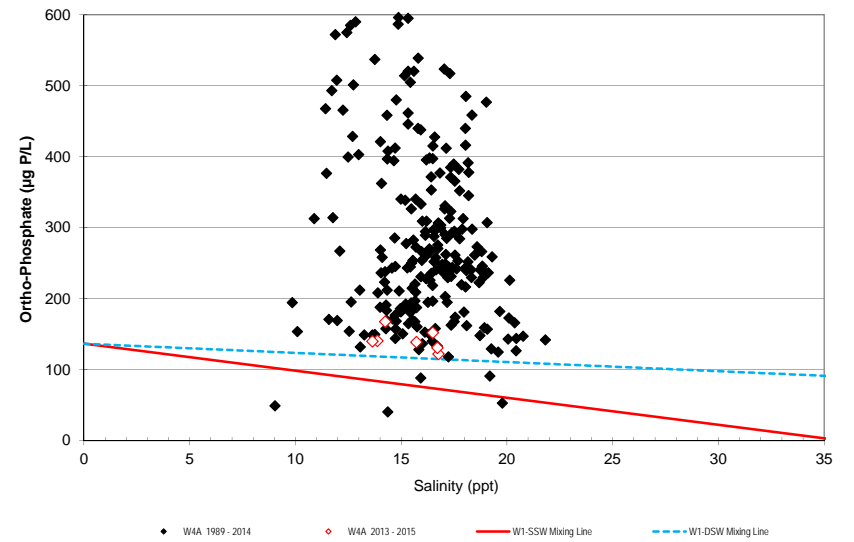
Well #4A
Ortho-Phosphate ($\mu\text{g P/L}$)



Well #4A Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)



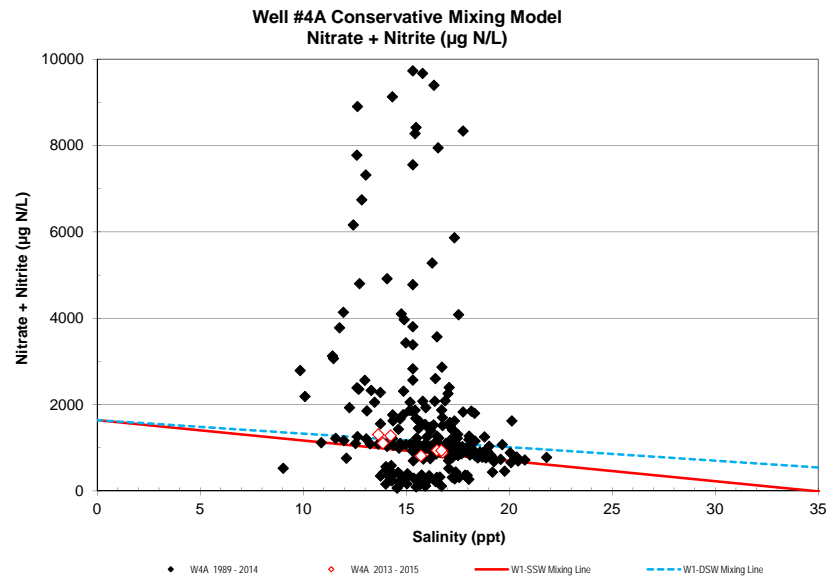
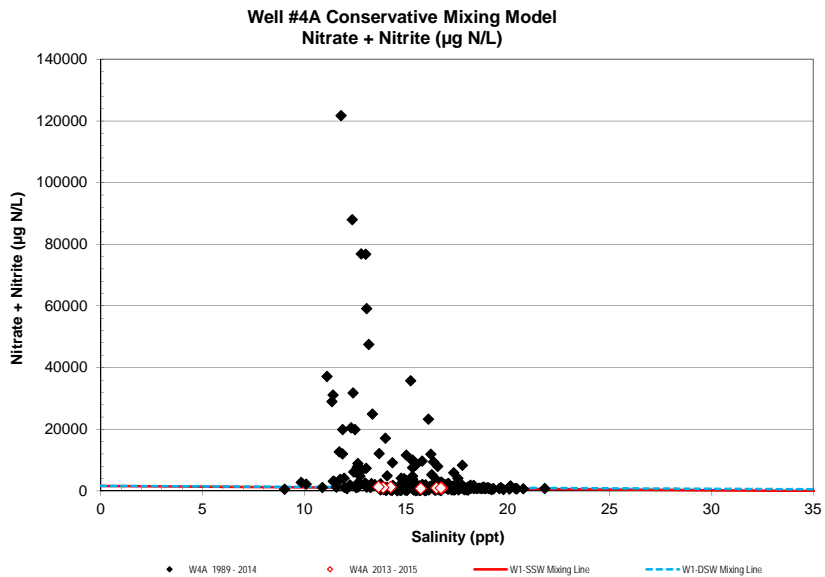
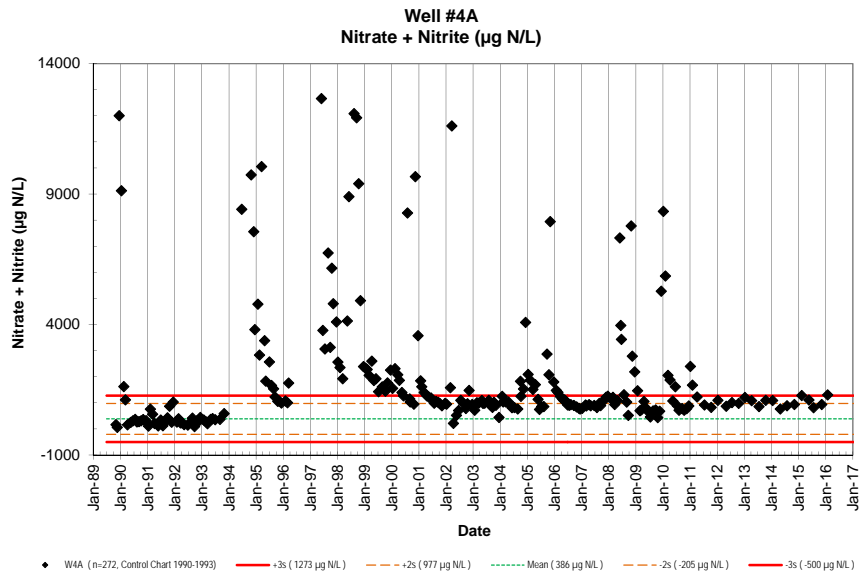
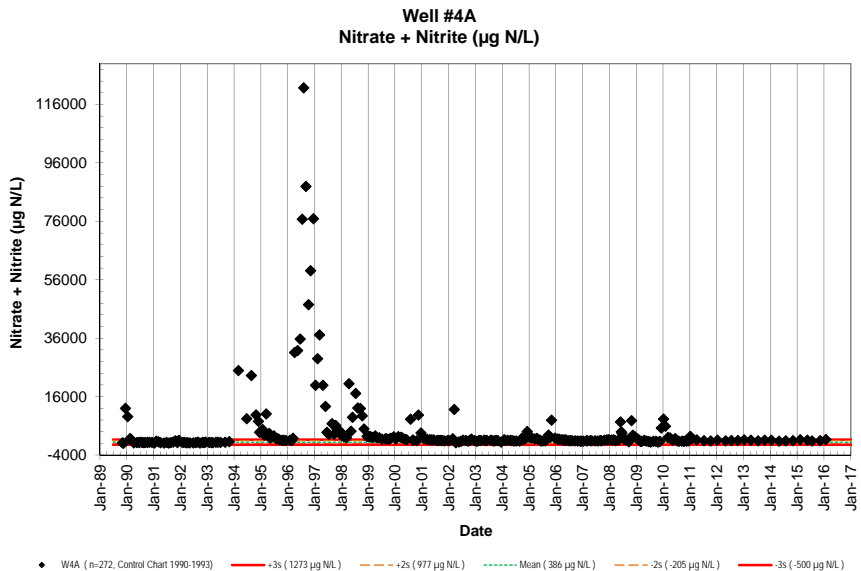
Well #4A Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)



NELHA Water Quality Laboratory

Well 4A

6/27/1989 - 4/4/2016

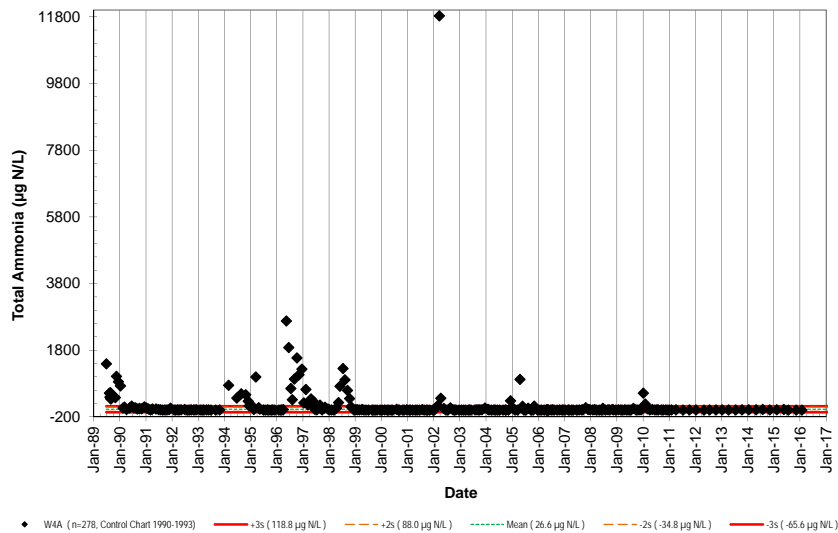


NELHA Water Quality Laboratory

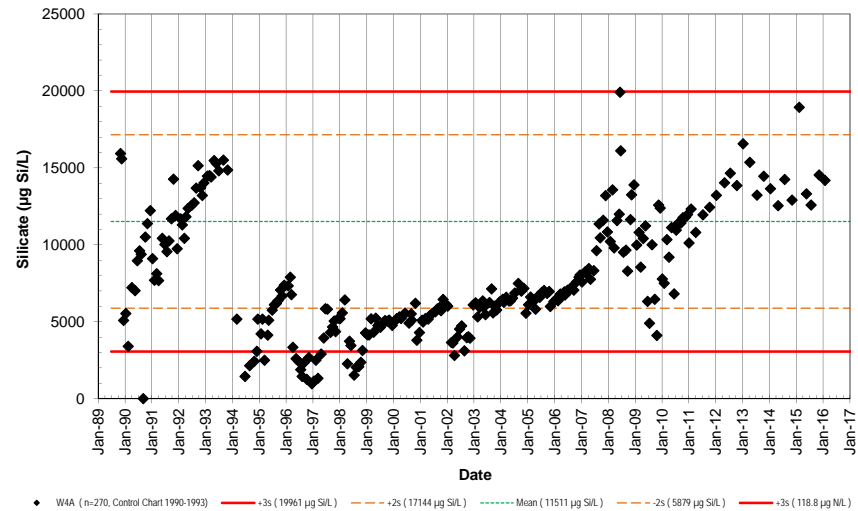
Well 4A

6/27/1989 - 4/4/2016

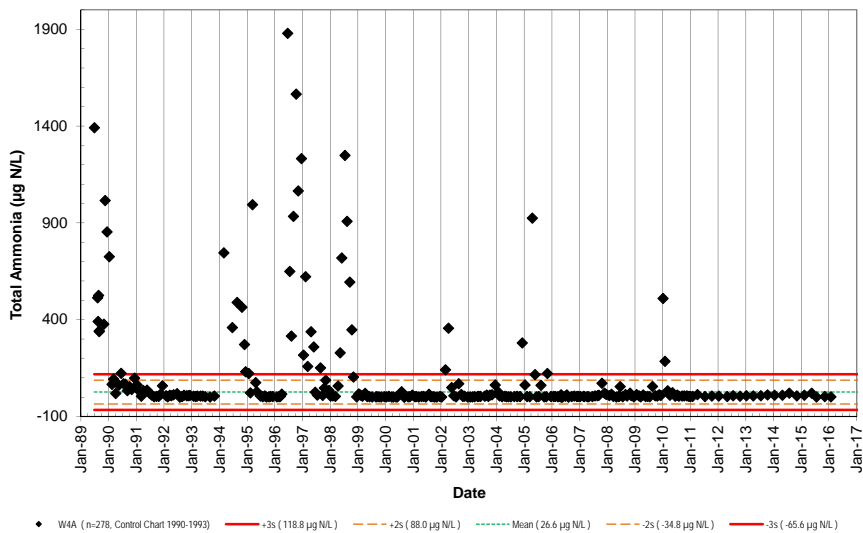
Well #4A
Total Ammonia ($\mu\text{g N/L}$)



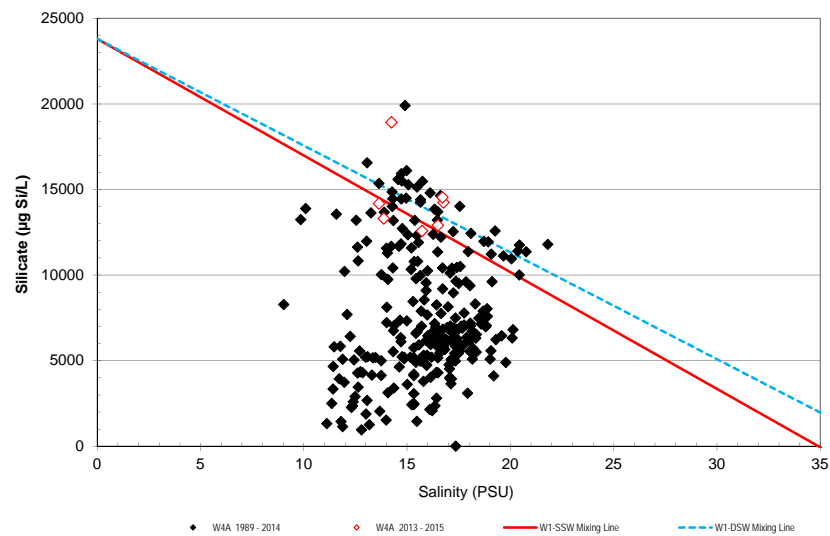
Well #4A
Silicate ($\mu\text{g Si/L}$)



Well #4A
Total Ammonia ($\mu\text{g N/L}$)



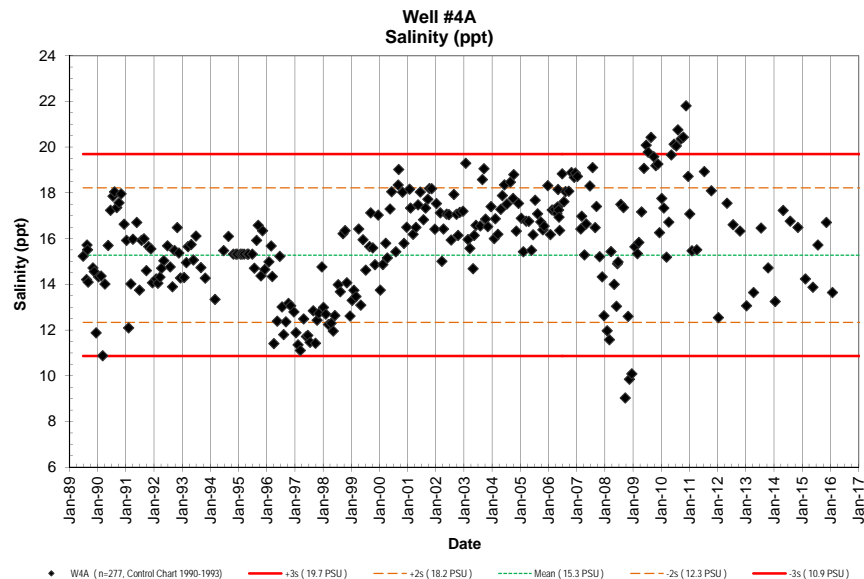
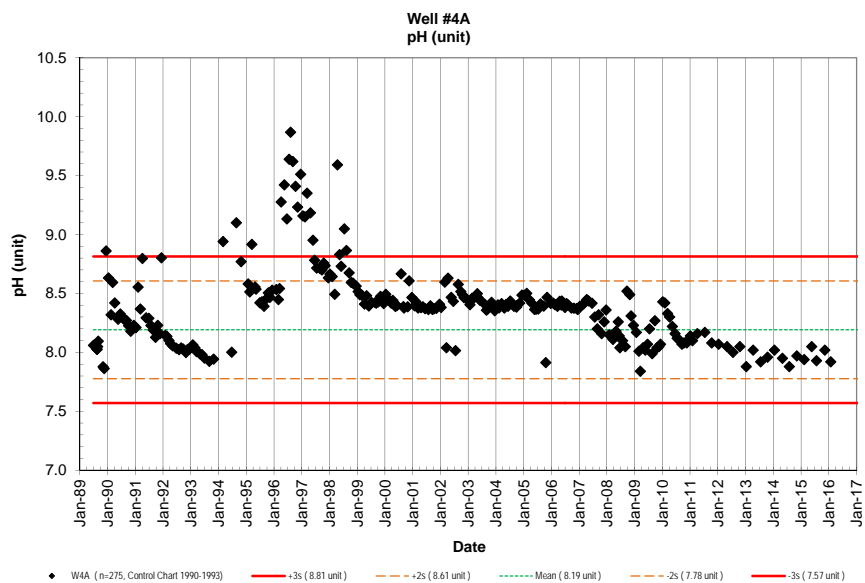
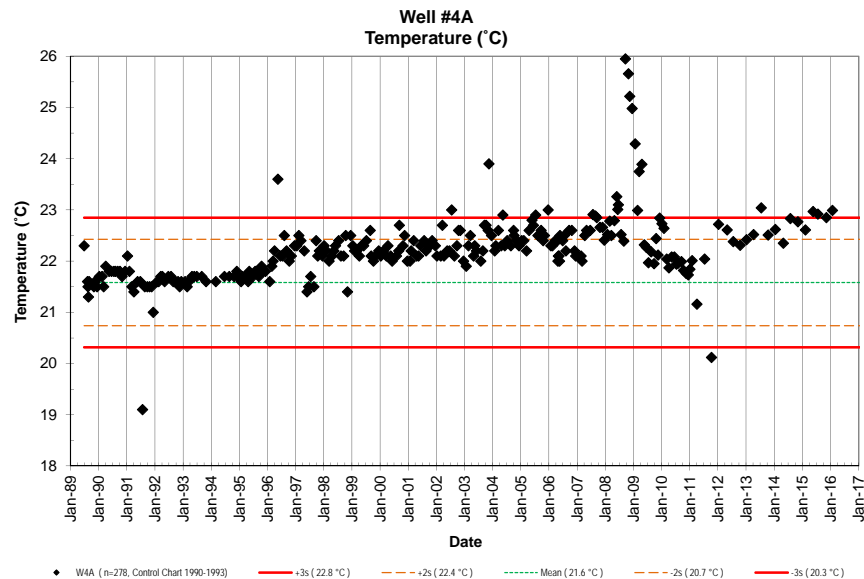
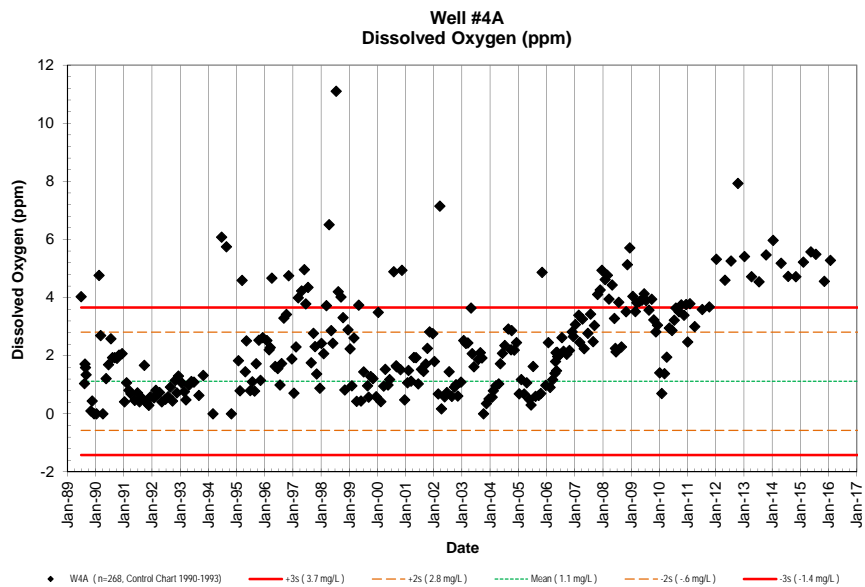
Well #4A Conservative Mixing Model
Silicate ($\mu\text{g Si/L}$)



NELHA Water Quality Laboratory

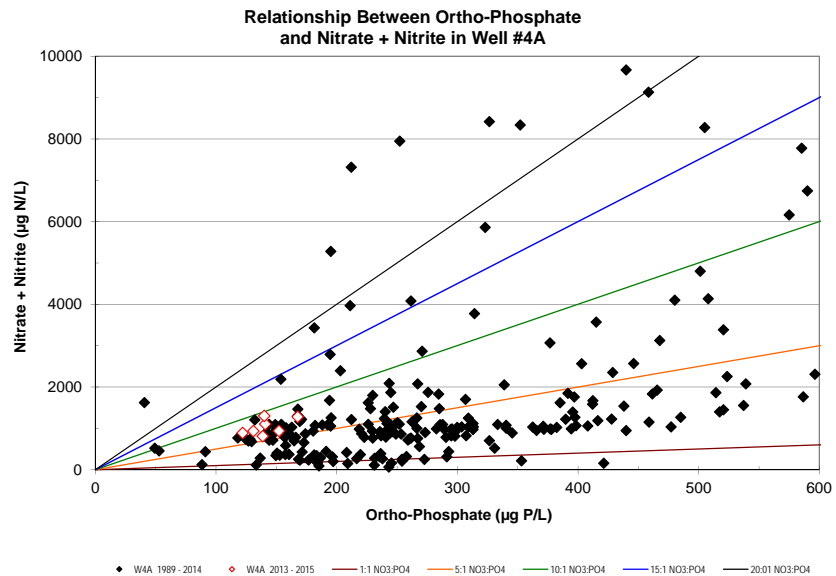
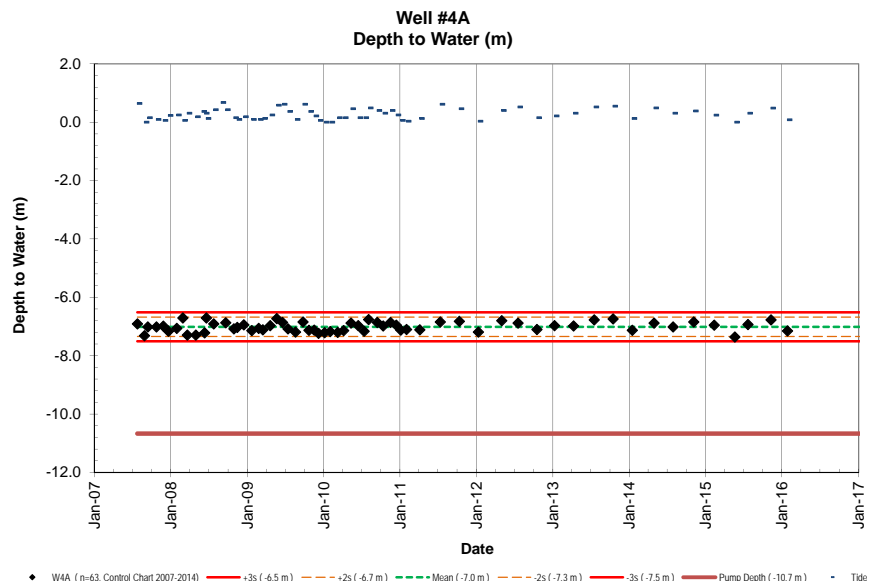
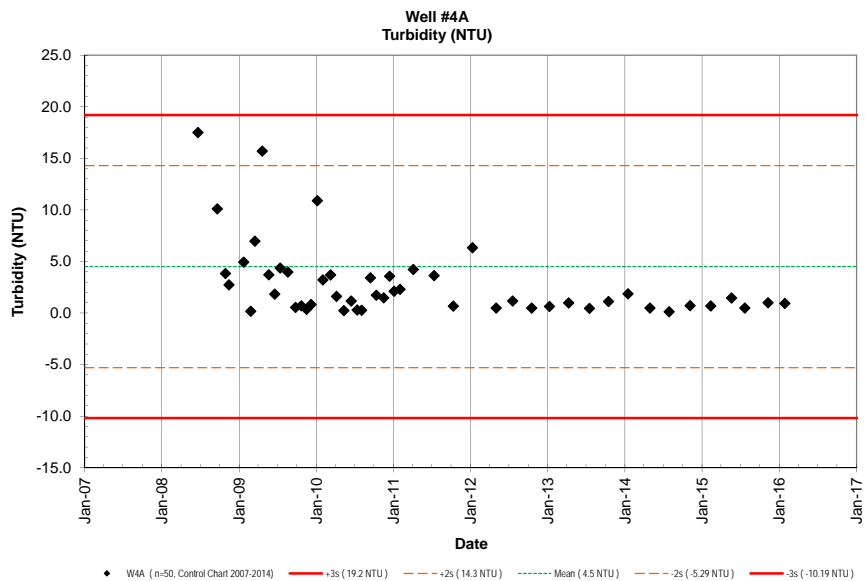
Well 4A

6/27/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 4A
6/27/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.						
	Depth (m)	MD/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml						
W5	-4.88	7/29/03	935			7.46	231	80.4	1126	0.55	7.7	256	7198	7.70	238.50	94.1	1318			<1	TNTC				
W5	-4.88	8/26/03	937			9.00	279	91.2	1277	0.21	2.9	261	7336	9.39	290.84	105	1465			<1	42				
W5	-4.88	9/15/03	921			8.83	273	87.2	1221	0.07	1.0	243	6830	9.54	295.49	97.2	1361			<1	<1				
W5	-4.88	10/6/03	903			8.48	263	81.0	1134	0.46	6.4	252	7083	8.96	277.52	89.3	1250			<1	5				
W5	-4.88	10/28/03	947			7.90	245	80.0	1121	0.10	1.4	250	7021	8.56	265.14	89.3	1251			<1	153				
W5	-4.88	11/14/03	1301											25.2							3.66				
W5	-4.88	12/15/03	909			7.78	241	94.6	1324	0.46	6.4	231	6482	8.06	249.65	97.3	1363			<1	6				
W5	-4.88	1/26/04	914			7.02	217	116	1628	0.10	1.4	208	5845	7.42	229.83	118	1656			<1	15				
W5	-4.88	2/5/04	913			7.44	230	127	1780	0.22	3.1	229	6418	7.56	234.16	141	1968			<1	184				
W5	-4.88	3/2/04	918			7.18	222	148	2072	0.41	5.7	223	6274	7.10	219.91	159	2224			<1	1				
W5	-4.88	4/20/04	912			8.22	255	146	2046	0.18	2.5	228	6403	8.32	257.70	148	2079			<1	1				
W5	-4.88	5/11/04	828			8.80	273	138	1939	0.32	4.5	240	6741	10.1	314.07	151	2116			<1	<1				
W5	-4.88	6/2/04	847			8.70	269	133	1860	0.23	3.2	253	7092	8.94	276.91	140	1962			<1	<1				
W5	-4.88	7/14/04	919			8.60	266	127	1782	0.23	3.2	268	7513	8.56	265.14	146	2041			<1	<1				
W5	-4.88	8/23/04	911			8.50	263	125	1745	0.27	3.8	259	7280	8.44	261.42	130	1818			<1	<1				
W5	-4.88	9/2/04	922			8.42	261	114	1590	0.15	2.1	267	7490	8.50	263.28	118	1658			<1	<1				
W5	-4.88	10/4/04	850			8.68	269	111	1551	0.17	2.4	264	7415	9.16	283.72	117	1636			<1	<1				
W5	-4.88	11/23/04	845			8.62	267	92.9	1301	0.09	1.3	277	7788	9.06	280.62	120	1681			<1	<1				
W5	-4.88	12/8/04	845			8.56	265	94.6	1325	0.08	1.1	278	7799	8.84	273.81	125	1747			<1	<1				
W5	-4.88	1/18/05	858			7.94	246	84.1	1178	0.09	1.3	237	6656	8.16	252.75	88.3	1236			<1	<1				
W5	-4.88	2/10/05	845			8.18	253	102	1424	0.25	3.5	243	6814	8.50	263.28	138	1932			<1	1				
W5	-4.88	3/22/05	852			10.1	312	124	1730	0.18	2.5	239	6707	10.38	321.51	142	1992	1.59		<1	260				
W5	-4.88	4/20/05	843			9.36	290	94.5	1324	0.15	2.1	230	6454	9.56	296.11	96.2	1347			<1	<1				
W5	-4.88	5/25/05	905			8.44	261	86.8	1216	0.15	2.1	244	6847	8.74	270.71	95.8	1342			<1	<1				
W5	-4.88	6/14/05	903			7.56	234	74.4	1042	1.57	22.0	234	6578	7.84	242.83	84.8	1188			6	TNTC>5,000				
W5	-4.88	7/19/05	858			6.86	212	83.8	1174	0.12	1.7	239	6698	7.18	222.39	88.0	1233	0.67		<1	2				
W5	-4.88	8/3/05	928			6.90	214	85.2	1193	0.10	1.4	240	6732	7.30	226.11	89.2	1249	0.69		<1	2				
W5	-4.88	9/22/05	851			6.28	195	64.1	897	0.12	1.7	216	6052	6.60	204.43	69.8	978	0.62		<1	<1				
W5	-4.88	10/19/05	905			6.40	198	76.9	1077	0.14	2.0	213	5991	6.60	204.43	85.1	1192			<1	<1				
W5	-4.88	11/8/05	850			6.70	208	75.1	1052	0.07	1.0	213	5974	6.94	214.96	84.0	1177			<1	2512				
W5	-4.88	12/22/05	824			5.58	173	72.1	1010	0.33	4.6	168	4704	5.82	180.27	75.4	1056			53	2184				
W5	-4.88	1/31/06	849			5.68	176	70.0	980	0.19	2.7	179	5036	5.92	183.36	74.8	1047			<1	<1				
W5	-4.88	2/16/06	844			5.66	175	67.4	944	0.22	3.1	171	4797	6.26	193.90	70.5	987	0.61		<1	<1				
W5	-4.88	3/22/06	835			5.52	171	72.3	1013	0.27	3.8	185	5196	5.72	177.17	76.6	1073	0.59		<1	<1				
W5	-4.88	4/27/06	915			5.47	169	74.3	1041	0.08	1.1	184	5168	5.66	175.31	72.3	1012	0.57		<1	<1				
W5	-4.88	5/24/06	937			5.11	158	67.8	950	0.06	0.8	181	5083	5.29	163.85	65.1	911	0.75		<1	<1				
W5	-4.88	6/28/06	922			5.27	163	61.9	867	0.18	2.5	189	5308	5.59	173.14	60.1	841	0.55		<1	<1				
W5	-4.88	7/19/06	900			5.17	160	61.4	860	0.25	3.5	188	5280	5.39	166.95	52.2	731	0.60		<1	2				
W5	-4.88	8/9/06	922			5.20	161	56.8	796	0.12	1.7	197	5533	5.39	166.95	52.1	729	0.68		<1	<1				
W5	-4.88	9/20/06	933			5.16	160	59.9	839	0.33	4.6	190	5336	5.42	167.88	56.0	784	0.65		<1	3				
W5	-4.88	10/25/06	928			5.43	168	51.2	717	0.34	4.8	184	5168	5.59	173.14	48.7	682	0.72		1	38				
W5	-4.88	11/29/06	925			5.43	168	53.3	747	0.23	3.2	173	4859	5.74	177.79	48.3	676	0.64		<1	<1				
W5	-4.88	12/13/06	929			5.30	164	56.7	794	0.24	3.4	168	4718	5.49	170.05	53.1	744	0.65		<1	28				
W5	-4.88	1/10/07	915			5.21	161	61.0	854	0.32	4.5	151	4241	5.45	168.81	63.4	888	0.60		<1	7				
W5	-4.88	2/21/07	955			4.87	151	72.1	1010	0.43	6.0	150	4213	5.15	159.51	78.9	1105	0.67		<1	<1				
W5	-4.88	3/7/07	946			4.87	151	75.8	1062	0.34	4.8	156	4381	5.05	156.42	78.9	1106	0.68		<1	1				
W5	-4.88	4/19/07	925			5.12	159	77.0	1079	0.19	2.7	168	4718	5.22	161.68	72.4	1013	0.54		2	55				
W5	-4.88	5/2/07	932			5.19	161	75.4	1056	0.28	3.9	174	4887	5.46	169.12	72.5	1015	0.54		1	1				
W5	-4.88	6/20/07	936			5.20	161	76.9	1077	0.18	2.5	182	5112	5.57	172.52	0				24.2	7.651	28.923	3.28	<1	37

NELHA Water Quality Laboratory

Well 5 Data Table

6/23/1989 - 4/4/2016

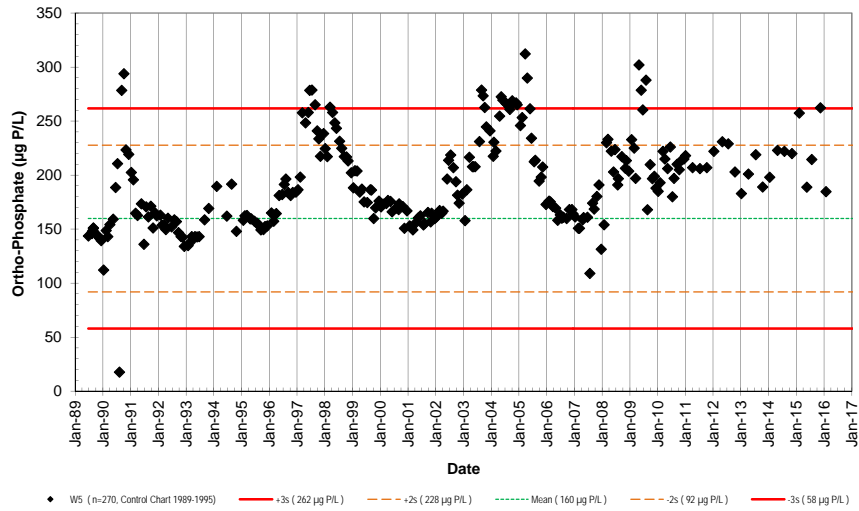
Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W5	-4.88	7/28/14	1415	-3.24	0.38	Flood	7.17	222	179.8	2518	0.93	13	203	5703					22.6	7.77	26.7	4.56	0.26		
W5	-4.88	11/3/14	1050	-3.20	0.38	Flood	7.10	220	140.5	1968	0.15	2.1	200	5613					23.2	7.62	26.49	3.65	0.59		
W5	-4.88	2/9/15	1616	-3.38	0.10	Low	8.31	257	152.7	2139	0.61	8.5	225	6321					22.6	7.68	27.64	3.15	0.38		
W5	-4.88	5/19/15	1608	-2.97	0.61	Flood	6.10	189	139.1	1948	0.36	5.0	185	5185					22.5	7.76	27.08	3.72	0.02		
W5	-4.88	7/22/15	1058	-3.40	0.24	Ebb	6.93	215	131.5	1842	0.01	0.2	201	5639					23.2	7.73	26.92	4.60	0.38		
W5	-4.88	11/13/15	1035	-3.34	0.15	Low	8.47	262	204.7	2867	0.26	3.7	216	6057					24.3	7.74	26.98	3.37	0.26		
W5	-4.88	1/26/16	1615	-3.38	0.33	Flood	5.96	185	132.4	1854	0.06	0.9	174	4884					24.1	7.61	28.94	2.25	0.41		
W5	-4.88	4/1/16																							

NELHA Water Quality Laboratory

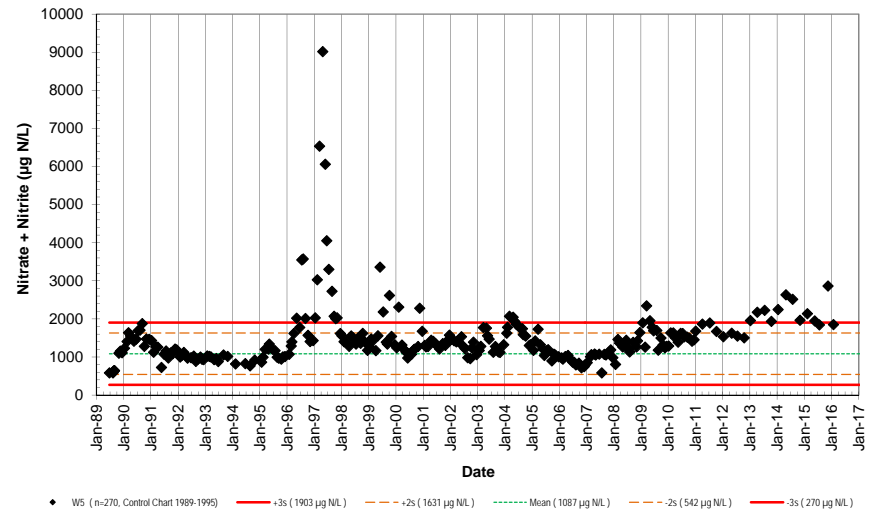
Well 5

6/23/1989 - 4/4/2016

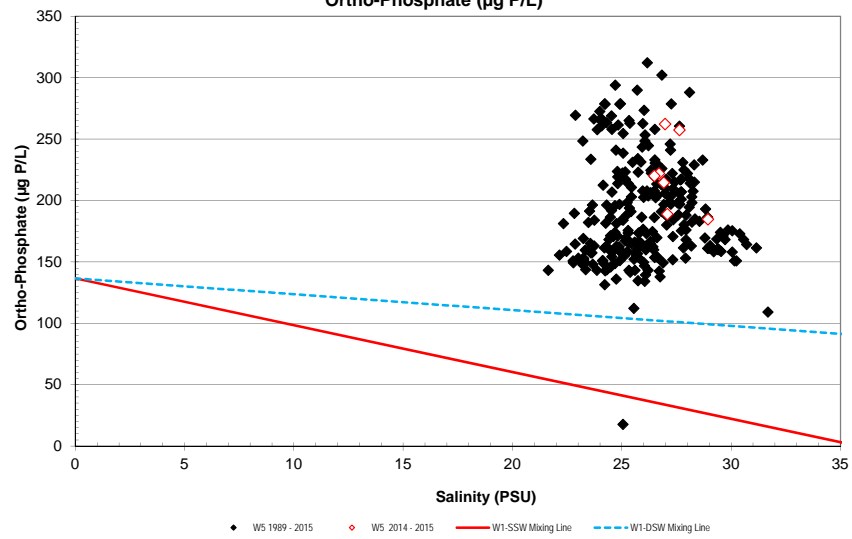
Well #5
Ortho-Phosphate ($\mu\text{g P/L}$)



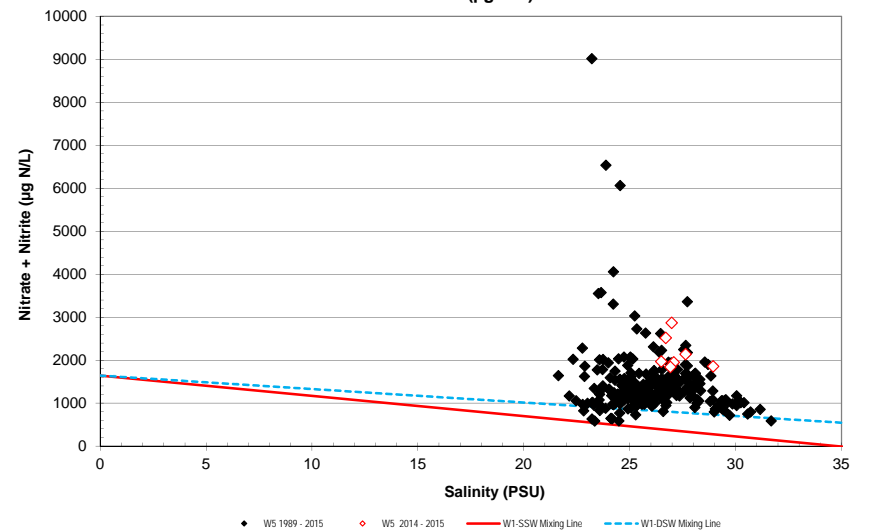
Well #5
Nitrate + Nitrite ($\mu\text{g N/L}$)



Well #5 Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)



Well #5 Conservative Mixing Model
Nitrate + Nitrite ($\mu\text{g N/L}$)

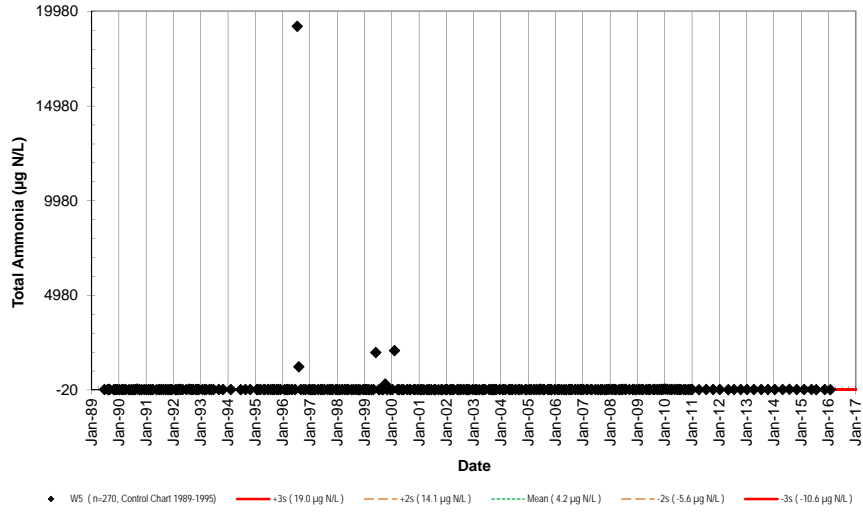


NELHA Water Quality Laboratory

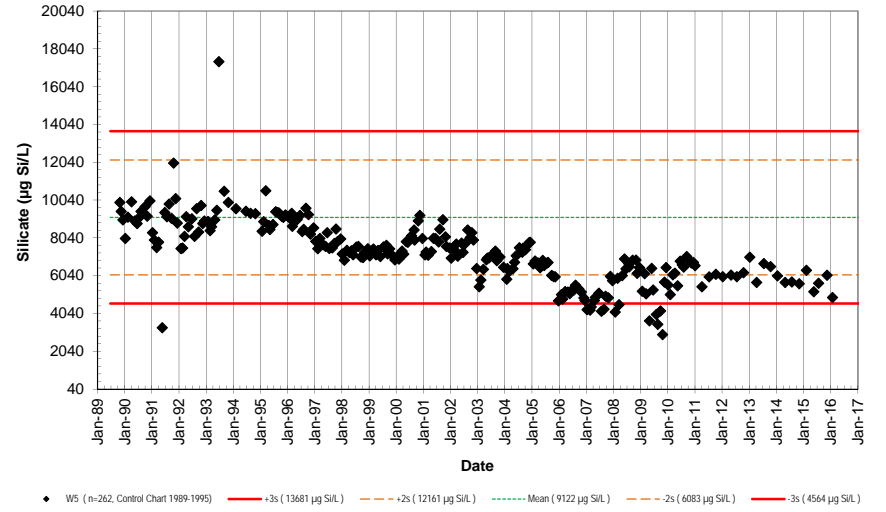
Well 5

6/23/1989 - 4/4/2016

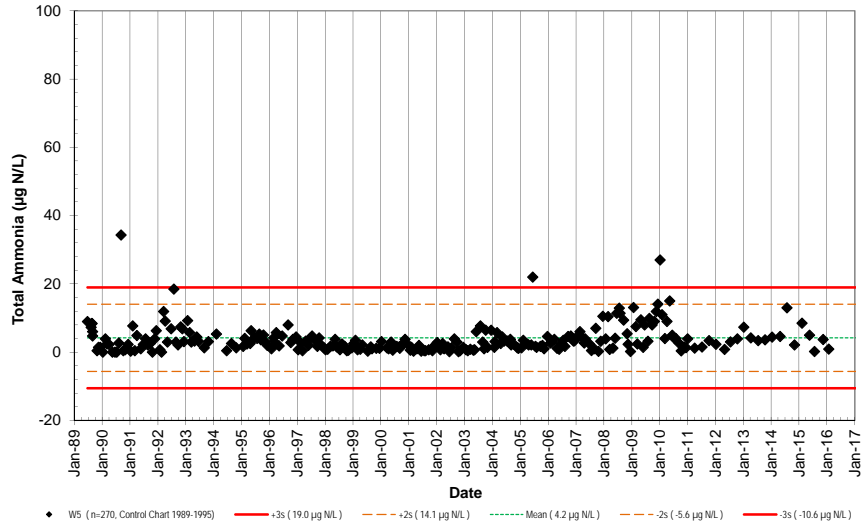
Well #5
Total Ammonia (µg N/L)



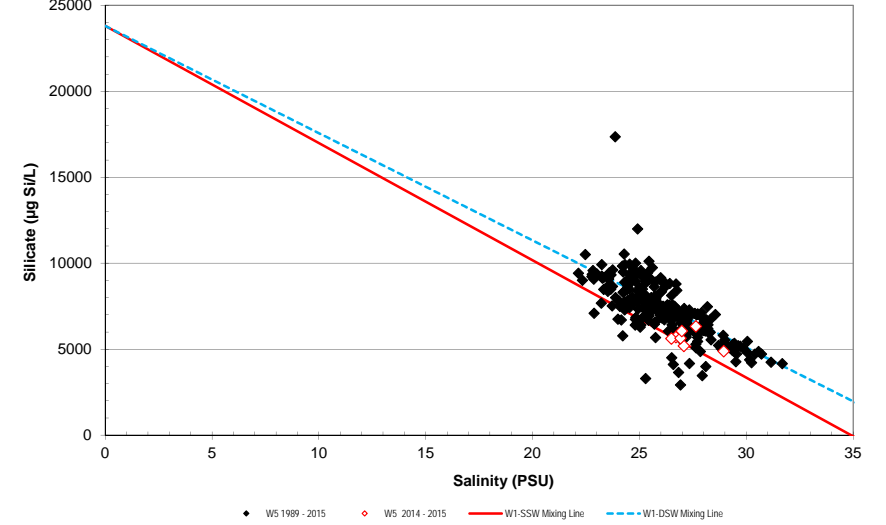
Well #5
Silicate (µg Si/L)



Well #5
Total Ammonia (µg N/L)



Well #5 Conservative Mixing Model
Silicate (µg Si/L)

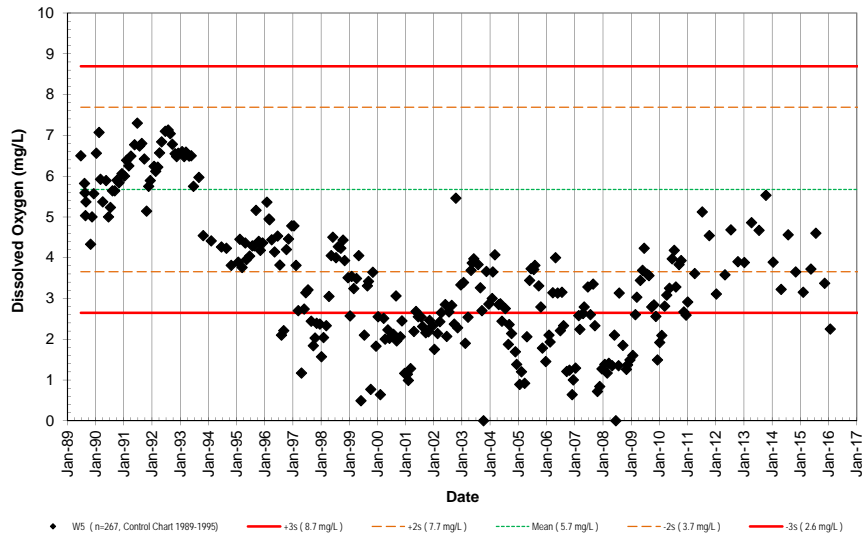


NELHA Water Quality Laboratory

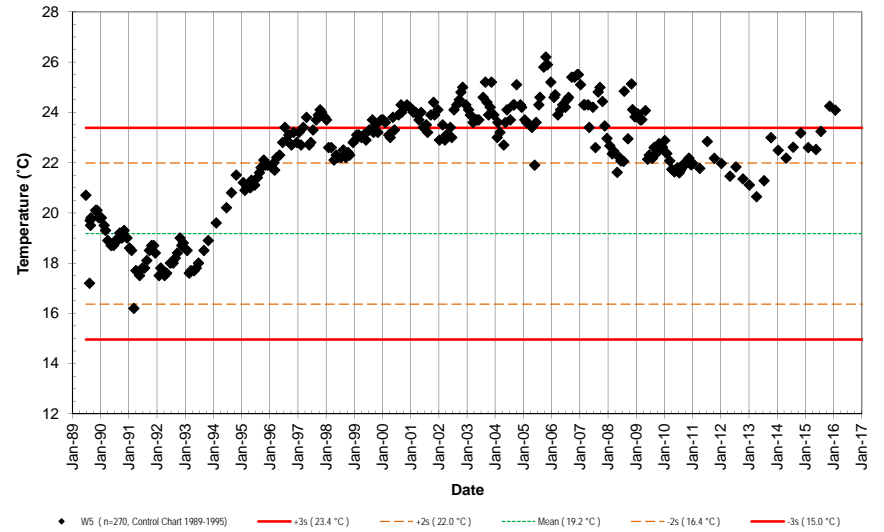
Well 5

6/23/1989 - 4/4/2016

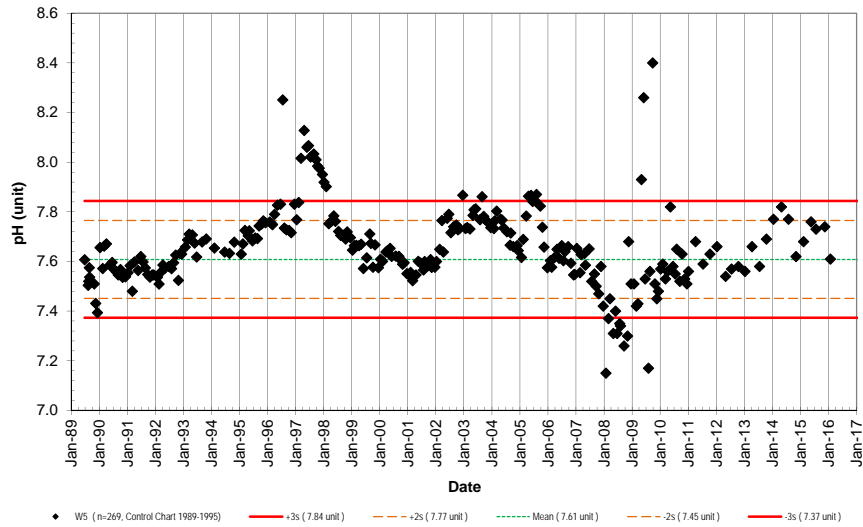
Well #5
Dissolved Oxygen (mg/L)



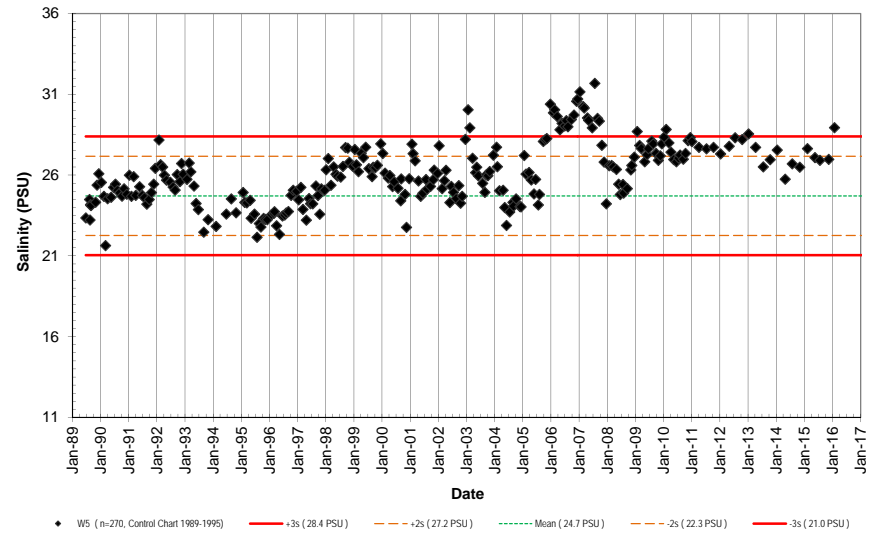
Well #5
Temperature (°C)



Well #5
pH (unit)



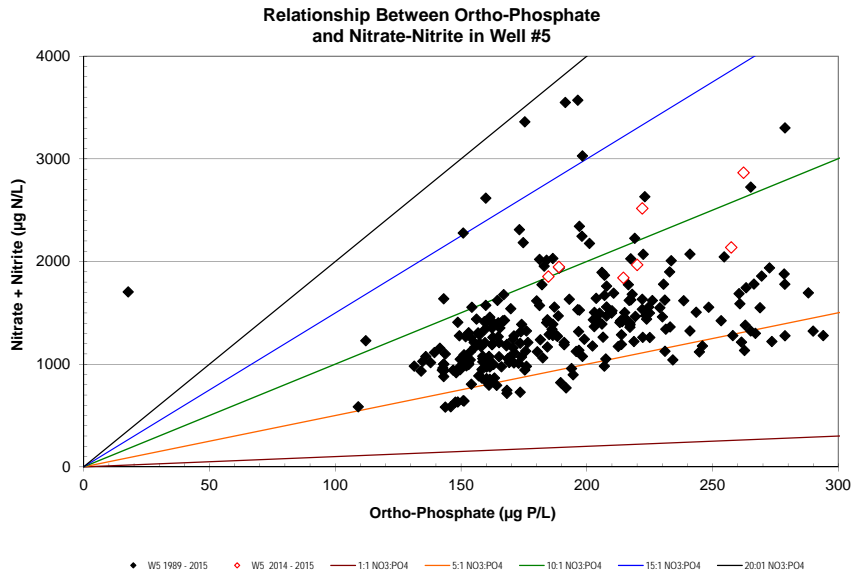
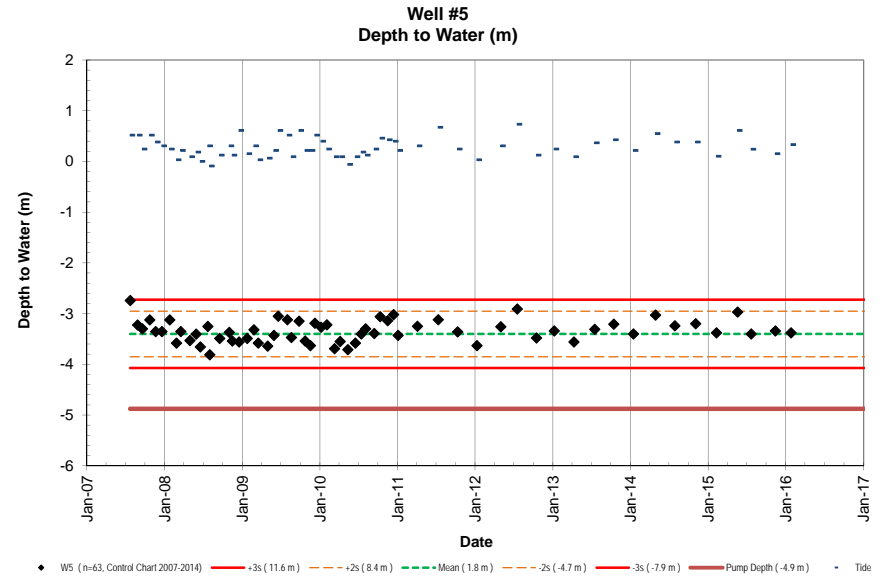
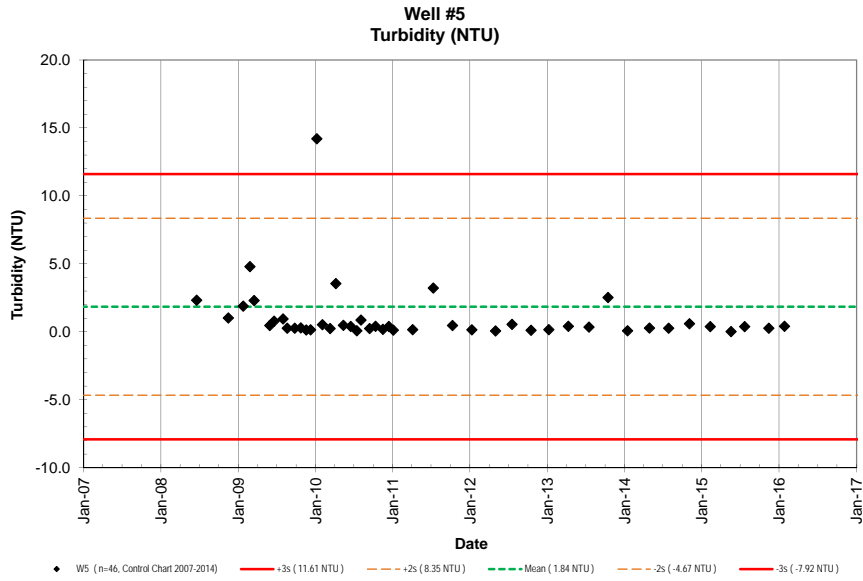
Well #5
Salinity (PSU)



NELHA Water Quality Laboratory

Well 5

6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 5A Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W5A	-8.2296	7/29/03	940			5.40	167	68.8	963	0.06	0.8	144	4036	5.53	171.3	77.7	1088						<1	11
W5A	-8.2296	8/26/03	945			6.41	199	76.1	1065	0.11	1.5	163	4575	6.49	201.0	84.6	1184						<1	10
W5A	-8.2296	9/15/03	926			6.00	186	73.2	1025	0.04	0.6	150	4199	6.22	192.7	96.6	1353						<1	1
W5A	-8.2296	10/6/03	908			6.10	189	69.1	968	0.10	1.4	158	4435	6.26	193.9	76.5	1071						<1	<1
W5A	-8.2296	10/28/03	952			5.94	184	69.0	966	<0.10	0.0	152	4266	4.80	148.7	74.0	1036						<1	<1
W5A	-8.2296	11/14/03	1318																					
W5A	-8.2296	12/15/03	914			6.03	187	76.2	1068	0.20	2.8	160	4482	6.19	191.7	82.1	1151						<1	<1
W5A	-8.2296	1/26/04	919			5.97	185	83.6	1171	0.10	1.4	144	4030	6.18	191.4	90.6	1269						<1	<1
W5A	-8.2296	2/5/04	918			6.06	188	88.0	1232	0.21	2.9	146	4103	6.18	191.4	96.5	1352						<1	<1
W5A	-8.2296	3/2/04	923			6.18	191	94.8	1327	0.47	6.6	148	4151	6.18	191.4	104	1461						<1	<1
W5A	-8.2296	4/20/04	917			6.74	209	100	1402	0.01	0.1	159	4452	6.76	209.4	105	1471						<1	3
W5A	-8.2296	5/11/04	833			7.04	218	94.0	1317	0.30	4.2	162	4555	6.96	215.6	98.9	1385						<1	26
W5A	-8.2296	6/2/04	852			6.66	206	83.2	1165	0.14	2.0	152	4266	6.80	210.6	88.0	1233						<1	<1
W5A	-8.2296	7/14/04	924			5.92	183	89.2	1249	0.26	3.6	144	4039	5.88	182.1	105	1475						<1	<1
W5A	-8.2296	8/23/04	916			6.70	208	97.3	1362	0.29	4.1	161	4530	6.64	205.7	102	1429						<1	<1
W5A	-8.2296	9/2/04	927			6.43	199	94.3	1321	0.09	1.3	161	4519	6.50	201.3	98.8	1384						<1	<1
W5A	-8.2296	10/4/04	855			5.84	181	86.4	1209	0.16	2.2	145	4081	6.10	188.9	92.2	1291						<1	<1
W5A	-8.2296	11/23/04	850			6.04	187	72.0	1008	0.05	0.7	156	4379	6.24	193.3	104	1455						<1	<1
W5A	-8.2296	12/8/04	850			5.72	177	76.1	1066	0.09	1.3	150	4204	5.88	182.1	98.0	1372						<1	<1
W5A	-8.2296	1/18/05	903			5.98	185	68.2	955	0.06	0.8	152	4263	6.16	190.8	74.3	1041						<1	1
W5A	-8.2296	2/10/05	850			6.18	191	74.9	1049	0.25	3.5	155	4339	6.36	197.0	97.7	1369						<1	<1
W5A	-8.2296	3/22/05	857			7.18	222	97.8	1370	0.15	2.1	144	4030	7.40	229.2	104	1454	0.98					<1	2
W5A	-8.2296	4/20/05	848			6.30	195	87.4	1224	0.11	1.5	134	3752	6.40	198.2	89.4	1253						<1	11
W5A	-8.2296	5/25/05	910			6.02	186	75.7	1060	0.24	3.4	137	3853	6.46	200.1	89.0	1247						<1	6
W5A	-8.2296	6/14/05	908			5.76	178	66.5	931	0.63	8.8	138	3879	5.94	184.0	74.1	1038						2520	1244
W5A	-8.2296	7/19/05	903			5.42	168	71.2	997	0.07	1.0	145	4070	5.68	175.9	73.9	1035	0.72					<1	1
W5A	-8.2296	8/3/05	933			5.48	170	70.2	983	0.03	0.4	147	4117	5.66	175.3	71.7	1005	0.62					<1	1
W5A	-8.2296	9/22/05	856			5.10	158	56.9	797	0.07	1.0	145	4061	5.32	164.8	61.3	859	0.57					<1	920
W5A	-8.2296	10/19/05	910			4.80	149	72.0	1009	0.12	1.7	130	3654	4.98	154.2	78.5	1100						<1	<1
W5A	-8.2296	11/8/05	855			4.62	143	68.9	965	0.09	1.3	117	3297	4.84	149.9	75.6	1059						<1	<1
W5A	-8.2296	12/22/05	829			4.66	144	73.7	1032	0.32	4.5	133	3733	4.90	151.8	74.7	1046						<1	<1
W5A	-8.2296	1/31/06	854			4.72	146	67.8	950	0.19	2.7	136	3806	4.92	152.4	71.5	1001						<1	<1
W5A	-8.2296	2/16/06	849			4.82	149	66.4	930	0.22	3.1	136	3825	5.08	157.3	69.8	977	0.58					<1	<1
W5A	-8.2296	3/22/06	840			4.55	141	63.5	889	0.23	3.2	130	3651	4.69	145.3	68.6	961	0.63					<1	29
W5A	-8.2296	4/27/06	920			4.51	140	67.3	943	0.35	4.9	124	3483	4.73	146.5	63.3	886	0.67					<1	341
W5A	-8.2296	5/24/06	942			4.25	132	61.0	854	0.06	0.8	121	3398	4.52	140.0	59.0	826	0.77					<1	>5,000
W5A	-8.2296	6/28/06	927			4.18	129	57.6	807	0.29	4.1	123	3455	4.36	135.0	54.0	756	0.59					<1	9
W5A	-8.2296	7/19/06	905			4.42	137	55.6	779	0.32	4.5	128	3595	4.59	142.2	47.6	666	0.65					<1	1
W5A	-8.2296	8/9/06	927			4.12	128	53.8	754	0.20	2.8	122	3426	4.35	134.7	49.7	696	0.63					<1	<1
W5A	-8.2296	9/20/06	938			4.46	138	47.6	667	0.70	9.8	121	3398	4.78	148.1	46.8	655	0.71					1	>5000
W5A	-8.2296	10/25/06	933			4.74	147	44.3	620	0.31	4.3	130	3651	4.95	153.3	43.1	603	0.74					<1	499
W5A	-8.2296	11/29/06	930			5.00	155	48.9	685	0.26	3.6	130	3651	5.17	160.1	45.4	635	0.66					<1	5
W5A	-8.2296	12/13/06	934			4.84	150	54.3	761	0.24	3.4	122	3426	5.11	158.3	52.0	728	0.62					<1	1
W5A	-8.2296	1/10/07	920			4.67	145	55.5	777	0.29	4.1	121	3398	4.80	148.7	57.6	807	0.58					<1	14
W5A	-8.2296	2/21/07	1000			4.29	133	63.0	882	0.58	8.1	107	3005	4.61	142.8	69.9	979	0.67					<1	<1
W5A	-8.2296	3/7/07	951			4.39	136	70.0	980	0.32	4.5	118	3314	4.51	139.7	70.7	990	0.64					<1	<1
W5A	-8.2296	4/19/07	930			4.61	143	68.7	962	0.45	6.3	119	3342	4.89	151.5	61.4	859	0.55					<1	1
W5A	-8.2296	5/2/07	937			4.60	142	61.8	866	0.33	4.6	123	3455	4.87	150.8	61.0	854	0.57					<1	<1
W5A	-8.2296	6/20/07	941			4.61	143	62.6	876	0.23	3.2	127	3567	4.99	154.6								<1	1

NELHA Water Quality Laboratory

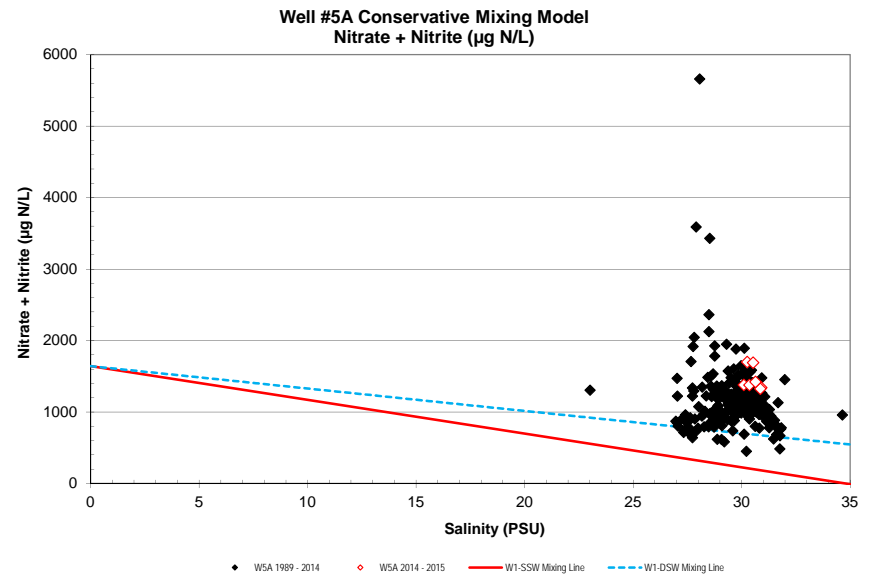
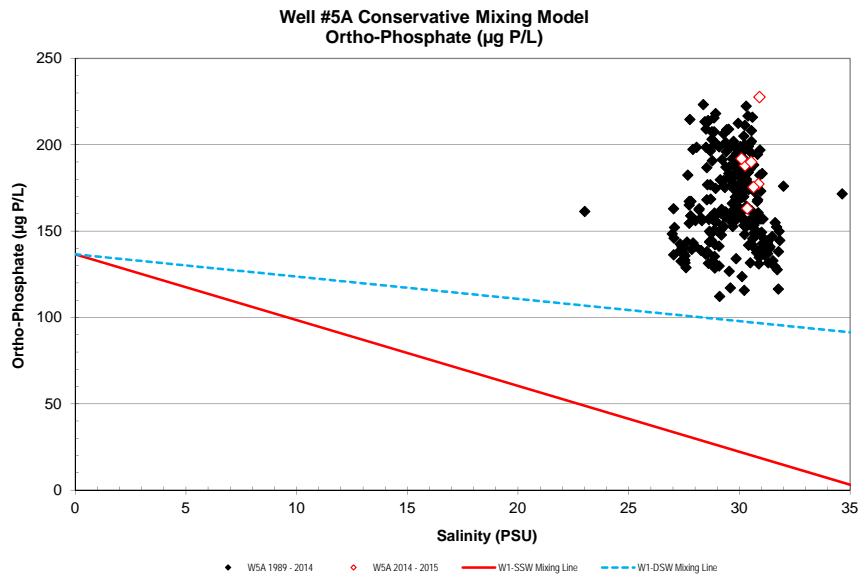
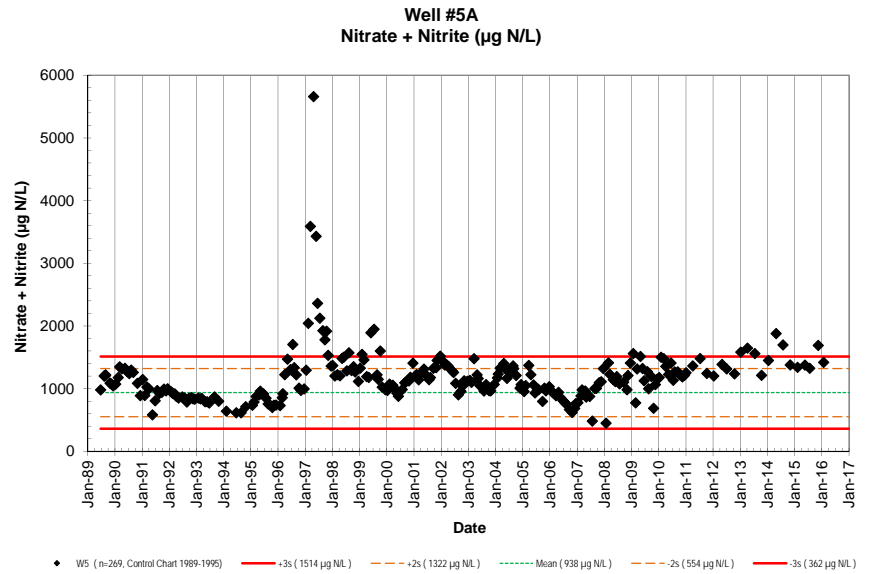
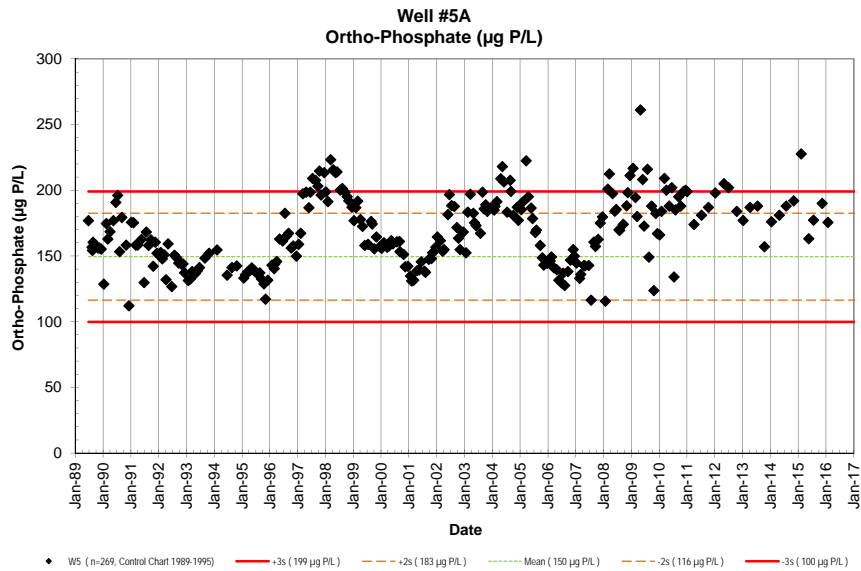
Well 5A Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W5A	-8.2296	7/28/14	1422	-3.39	0.38	Flood	6.07	188	121.2	1698	2.07	29.0	148	4166					21.4	7.61	30.26	2.76	0.09		
W5A	-8.2296	11/3/14	1059	-3.22	0.38	Flood	6.20	192	98.4	1378	0.07	1.0	146	4109					22.2	7.60	30.10	1.93	0.07		
W5A	-8.2296	2/9/15	1625	-3.43	0.10	Low	7.35	228	95.7	1341	0.42	5.9	163	4581					21.7	7.51	30.91	1.69	0.28		
W5A	-8.2296	5/19/15	1620	-2.99	0.61	Flood	5.27	163	98.3	1377	0.44	6.1	134	3758					21.4	7.67	30.36	2.50	0.03		
W5A	-8.2296	7/22/15	1104	-3.42	0.24	Ebb	5.72	177	94.6	1325	0.02	0.3	140	3922					22.9	7.55	30.86	1.96	0.02		
W5A	-8.2296	11/13/15	1026	-3.32	0.15	Low	6.13	190	120.7	1690	0.06	0.9	142	3995					24.0	7.62	30.53	1.92	0.15		
W5A	-8.2296	1/26/16	1625	-3.31	0.33	Flood	5.67	176	101.4	1420	0.13	1.8	138	3871					22.8	7.44	30.64	1.24	0.10		
W5A	-8.2296	4/1/16																							

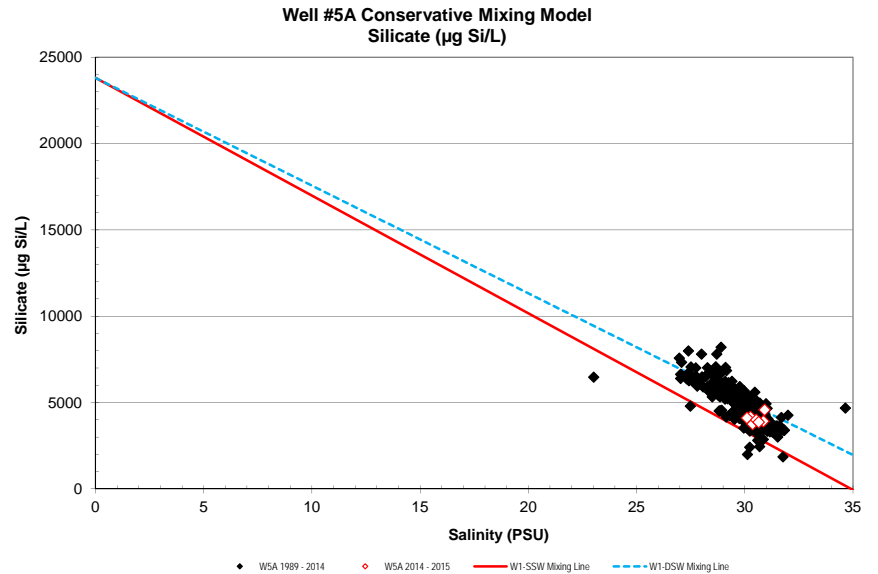
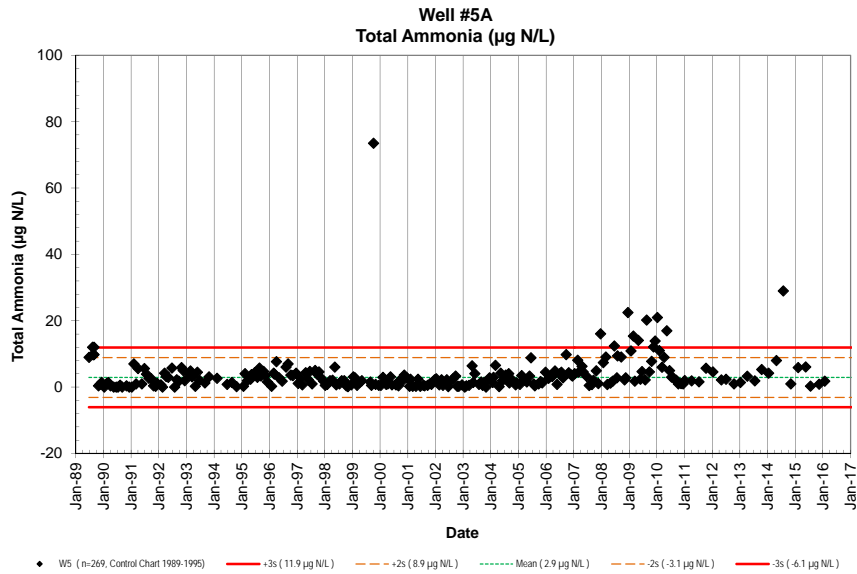
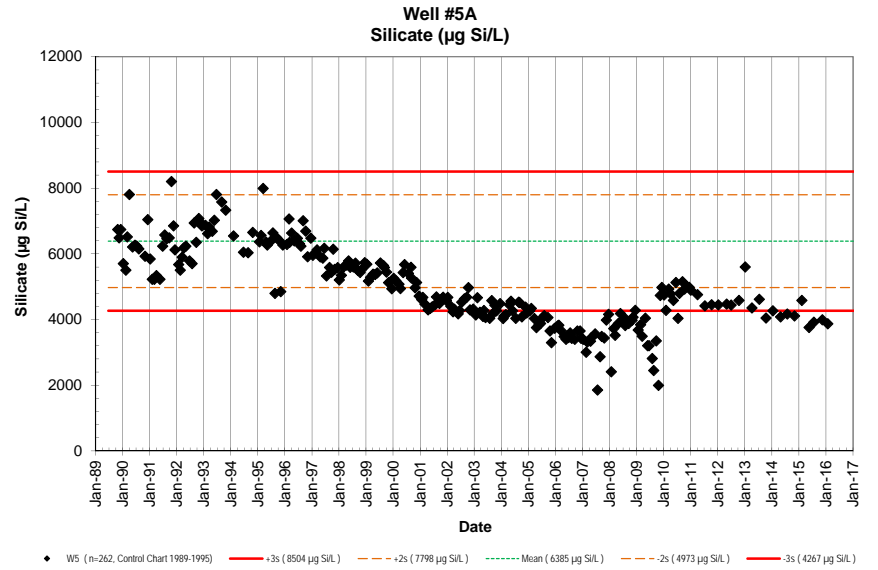
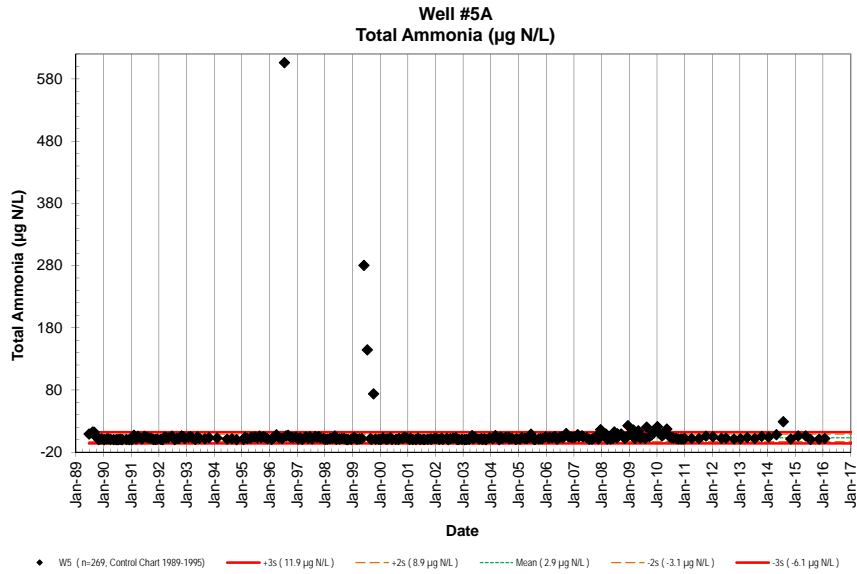
NELHA Water Quality Laboratory

Well 5A
6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

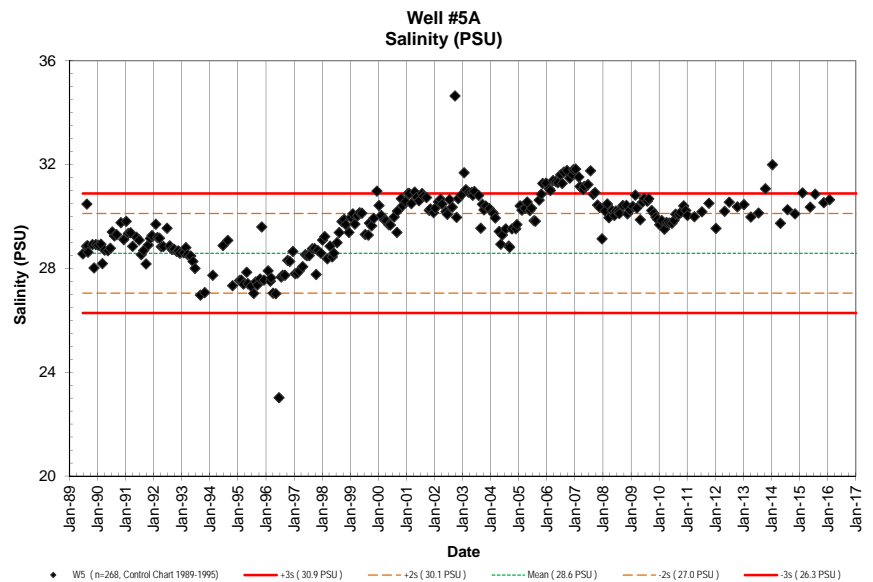
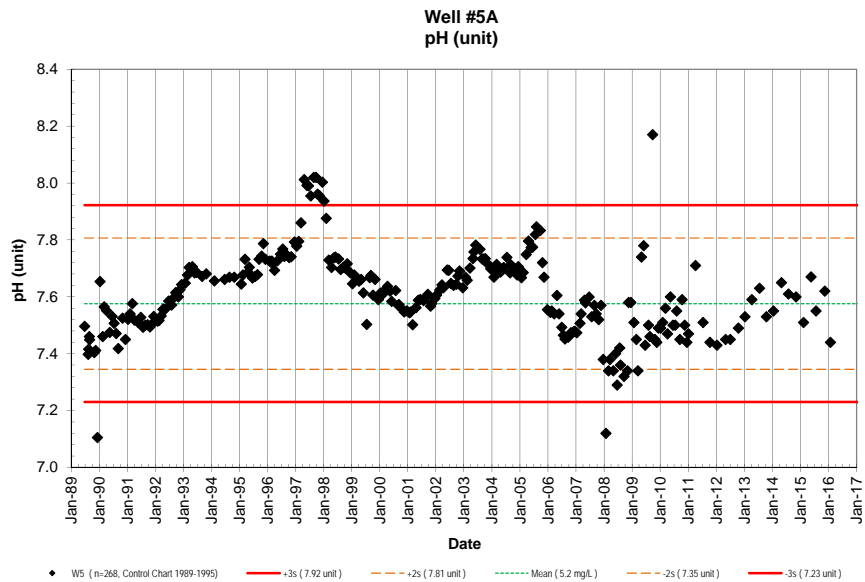
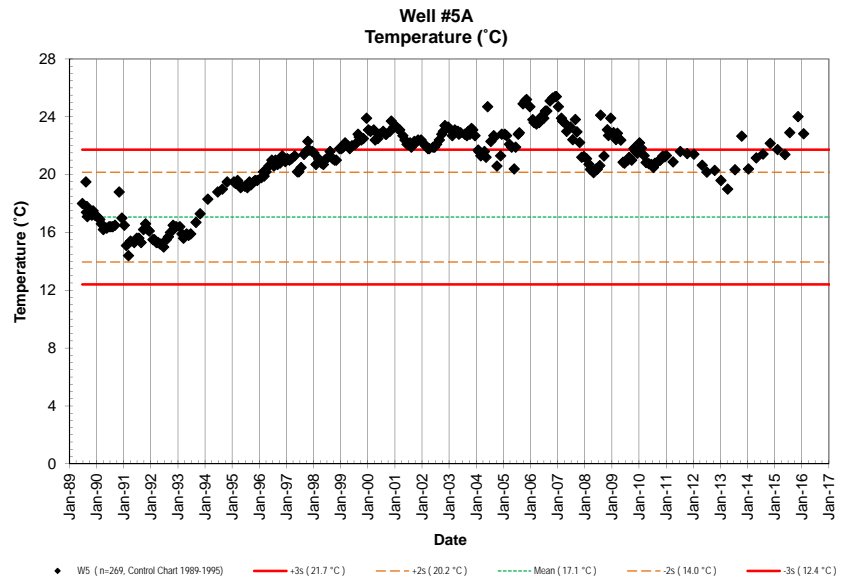
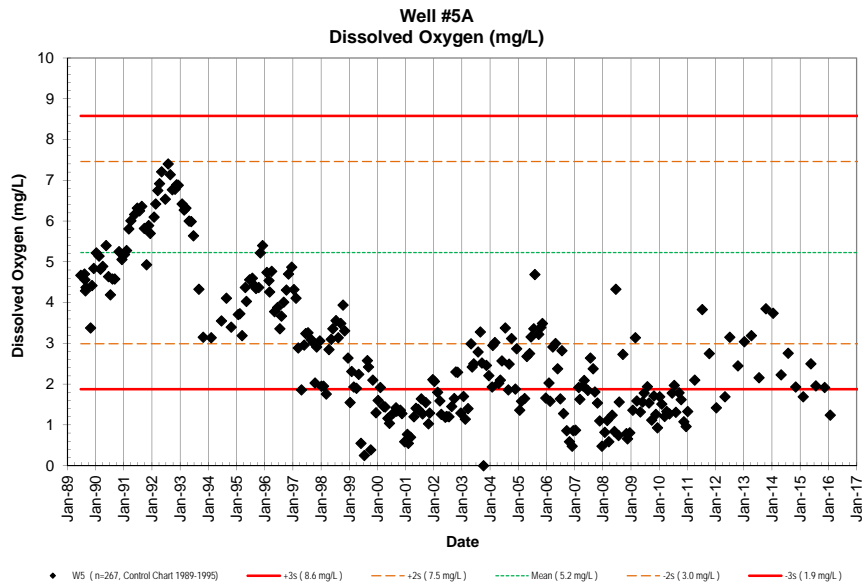
Well 5A
6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 5A

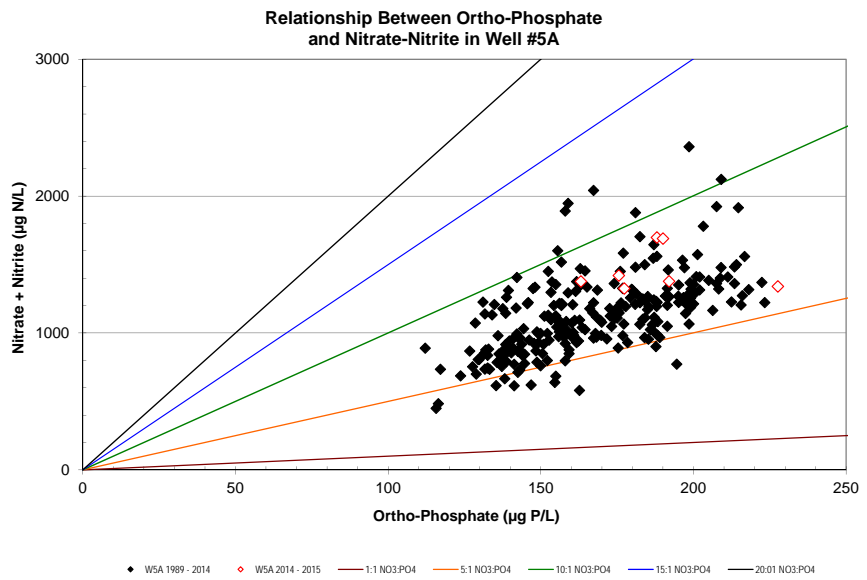
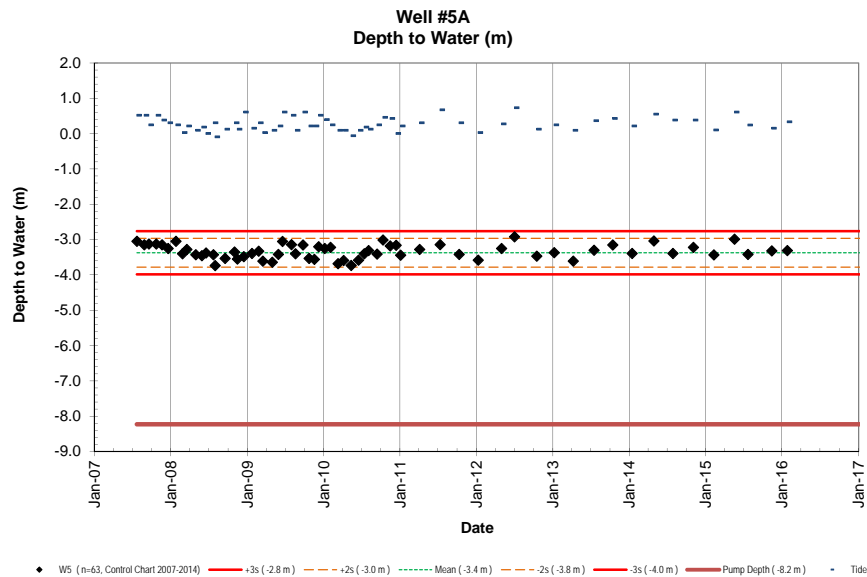
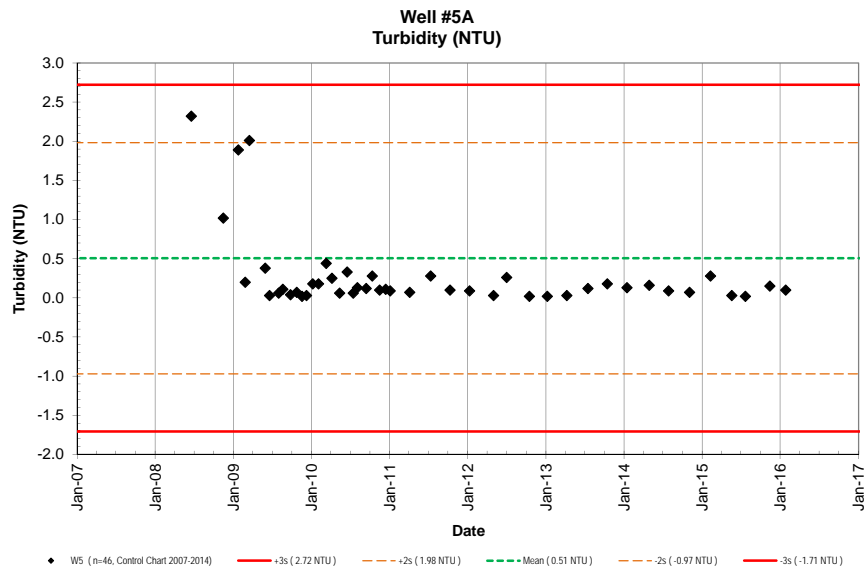
6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 5A

6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 5B Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml		
W5B	-15.5	7/14/99	912			4.57	142	63.7	892	0.02	0.3	178	4996	4.69	145.3	71.6	1003	0.79	22.7	7.66	32.69	1.81	<1	<1
W5B	-15.5	8/23/99	935			4.43	137	63.0	882	0.22	3.1	160	4494	4.53	140.3	66.2	927	0.76	22.2	7.75	31.99	3.66	<1	<1
W5B	-15.5	9/7/99	924			4.44	138	64.1	898	0.09	1.3	152	4269	4.68	145.0	73.3	1027	0.76	21.8	7.76	31.93	3.51	<1	13
W5B	-15.5	10/5/99	918			4.30	133	67.8	949	0.06	0.8	151	4235	4.44	137.5	70.4	986	0.66	21.9	7.73	32.07	3.30	<1	<1
W5B	-15.5	11/1/99	938			4.31	133	62.6	877	0.04	0.6	156	4376	4.34	134.4	66.4	930	0.64	22.5	7.73	32.23	2.93	<1	<1
W5B	-15.5	12/14/99	929			4.20	130	62.5	875	0.03	0.4	157	4409	4.37	135.4	66.1	926	0.86	22.2	7.68	32.26	3.37	<1	<1
W5B	-15.5	1/10/00	958			4.15	129	58.6	821	0.16	2.2	163	4570	4.20	130.1	62.8	880	0.85	22.7	7.67	32.83	2.40	<1	<1
W5B	-15.5	2/7/00	956			4.23	131	56.0	784	0.17	2.4	174	4878	4.32	133.8	60.3	845	0.86	23.4	7.69	33.22	2.02	<1	<1
W5B	-15.5	3/21/00	958			4.05	125	56.1	786	0.06	0.8	168	4716	4.01	124.2	57.7	808	0.79	23.1	7.68	33.12	1.96	<1	<1
W5B	-15.5	4/10/00	1027			3.98	123	53.8	754	0.11	1.5	166	4662	3.90	120.8	58.1	814	0.78	23.2	7.69	33.15	2.30	<1	<1
W5B	-15.5	5/15/00	935			4.21	130	52.7	738	0.08	1.1	186	5230	4.31	133.5	56.6	793	0.77	24.0	7.68	33.51	2.27	<1	<1
W5B	-15.5	6/5/00	936			4.10	127	51.1	716	0.05	0.7	187	5249	4.16	128.9	54.2	759	0.79	24.0	7.66	33.48	2.14	<1	<1
W5B	-15.5	7/26/00	1005			4.31	133	52.8	740	0.02	0.3	192	5381	4.41	136.6	55.2	773	0.72	23.8	7.68	33.25	2.81	<1	<1
W5B	-15.5	8/29/00	903			4.12	128	60.9	853	0.03	0.4	164	4600	4.24	131.3	62.8	880	0.70	21.8	7.67	32.17	3.63	<1	<1
W5B	-15.5	9/5/00	934			4.09	127	67.7	948	0.08	1.1	163	4578	4.23	131.0	70.0	980	0.82	21.6	7.66	31.95	3.62	<1	<1
W5B	-15.5	10/24/00	935			3.95	122	67.0	938	0.21	2.9	150	4210	4.20	130.1	69.5	973	0.75	22.2	7.67	32.18	3.51	<1	<1
W5B	-15.5	11/13/00	913			3.69	114	75.5	1058	0.29	4.1	156	4384	3.90	120.8	79.6	1115	0.77	22.3	7.65	32.11	2.99	<1	<1
W5B	-15.5	12/18/00	922			3.95	122	96.3	1349	0.20	2.8	150	4204	4.02	124.5	98.0	1373	0.85	22.1	7.67	31.99	2.54	<1	<1
W5B	-15.5	1/22/01	916			3.85	119	85.9	1203	0.01	0.1	143	4019	3.93	121.7	86.9	1218	0.76	21.8	7.63	32.13	2.16	<1	<1
W5B	-15.5	2/5/01	941			3.68	114	84.2	1179	0.10	1.4	144	4047	3.83	118.6	91.8	1286	0.75	22.5	7.64	32.58	1.93	<1	<1
W5B	-15.5	3/5/01	933			3.81	118	78.9	1105	0.04	0.6	143	4022	3.92	121.4	79.9	1119	0.83	22.6	7.62	32.55	2.15	<1	<1
W5B	-15.5	4/17/01	920			3.80	118	74.7	1047	0.01	0.1	139	3898	3.98	123.3	81.2	1138	0.75	22.1	7.65	32.61	2.67	<1	<1
W5B	-15.5	5/15/01	905			3.83	119	77.5	1086	0.13	1.8	141	3957	3.85	119.2	80.1	1122	0.71	21.4	7.67	32.29	3.17	<1	<1
W5B	-15.5	6/12/01	918			3.86	120	73.4	1028	0.02	0.3	144	4039	3.73	115.5	75.9	1063	0.72	21.4	7.68	32.26	3.25	<1	<1
W5B	-15.5	7/23/01	923			3.79	117	74.4	1042	0.04	0.6	137	3851	3.78	117.1	79.1	1108	0.80	20.9	7.67	32.03	3.40	<1	<1
W5B	-15.5	8/8/01	908			3.84	119	74.1	1038	0.02	0.3	140	3938	3.86	119.6	77.2	1082	0.80	20.9	7.67	32.22	3.69	<1	<1
W5B	-15.5	9/19/01	921			4.06	126	83.0	1163	0.06	0.8	134	3755	4.20	130.1	87.8	1230	0.82	20.9	7.69	31.71	3.58	<1	<1
W5B	-15.5	10/24/01	854			4.06	126	82.5	1155	0.03	0.4	130	3643	4.35	134.7	88.5	1240	0.69	20.7	7.68	31.62	3.01	<1	<1
W5B	-15.5	11/7/01	911			4.24	131	91.6	1283	0.01	0.1	133	3727	4.28	132.6	104	1455	0.73	20.6	7.67	31.51	3.48	<1	<1
W5B	-15.5	12/19/01	930			4.26	132	96.5	1352	0.03	0.4	145	4070	4.24	131.3	126	1762	0.77	20.5	7.69	31.32	4.11	<1	<1
W5B	-15.5	1/9/02	924			4.23	131	92.0	1289	0.17	2.4	136	3831	4.40	136.3	96.4	1350	1.14	20.1	7.67	31.31	3.94	<1	<1
W5B	-15.5	2/19/02	1040			4.42	137	81.4	1140	0.05	0.7	144	4036	4.58	141.9	85.0	1191	0.73	20.8	7.69	31.91	3.77	<1	<1
W5B	-15.5	3/20/02	938			4.36	135	80.1	1122	0.22	3.1	138	3873	4.50	139.4	83.7	1172	0.72	21.0	7.72	31.87	3.63	<1	<1
W5B	-15.5	4/8/02	1028			4.38	136	82.6	1157	0.04	0.6	129	3615	4.60	142.5	84.3	1181	0.64	20.7	7.70	31.66	3.45	<1	<1
W5B	-15.5	5/29/02	1016			4.44	138	82.3	1152	0.16	2.2	135	3803	4.58	141.9	84.7	1186	0.76	20.9	7.71	31.47	4.83	<1	<1
W5B	-15.5	6/17/02	949			4.81	149	71.6	1003	0.08	1.1	126	3544	4.95	153.3	74.2	1040	0.64	21.0	7.71	31.68	3.82	<1	<1
W5B	-15.5	7/15/02	945			4.66	144	61.2	857	0.10	1.4	135	3786	4.82	149.3	65.8	922	0.69	21.8	7.72	32.05	4.10	<1	<1
W5B	-15.5	8/20/02	944			4.52	140	60.5	847	0.23	3.2	132	3719	4.66	144.3	59.4	832	0.65	21.7	7.72	31.87	4.16	<1	<1
W5B	-15.5	9/23/02	1008			4.36	135	57.8	810	0.24	3.4	130	3651	4.38	135.7	56.6	793	0.61	22.3	7.73	32.38	3.82	<1	<1
W5B	-15.5	10/14/02	924			4.33	134	70.5	987	0.04	0.6	133	3735	4.45	137.8	70.2	983	0.71	22.7	7.74	32.26	3.11	<1	<1
W5B	-15.5	11/4/02	934			4.29	133	76.6	1072	0.02	0.3	141	3949	4.48	138.8	74.2	1039	0.89	22.5	7.74	31.88	3.27	<1	<1
W5B	-15.5	12/17/02	955			4.33	134	70.6	988	0.03	0.4	129	3612	4.45	137.8	67.3	942	0.71	23.3	7.72	32.33	2.95	<1	<1
W5B	-15.5	1/21/03	1040			4.02	125	74.1	1038	0.02	0.3	135	3786	4.29	132.9	83.5	1170	1.25	22.2	7.74	32.20	3.63	<1	<1
W5B	-15.5	2/12/03	950			4.42	137	65.3	915	0.03	0.4	137	3851	4.64	143.7	76.4	1070	0.64	23.1	7.74	32.85	2.84	<1	<1
W5B	-15.5	3/19/03	953			4.68	145	75.9	1063	0.04	0.6	129	3623	4.76	147.4	100	1401	0.59	23.0	7.77	32.30	3.22	<1	<1
W5B	-15.5	4/28/03	935			4.70	146	72.9	1021	0.32	4.5	122	3421	4.88	151.2	83.0	1163	0.60	22.5	7.81	32.07	3.67	<1	<1
W5B	-15.5	5/12/03	913			4.58	142	71.8	1006	0.10	1.4	126	3536	4.75	147.1	77.6	1087	0.58	22.3	7.82	32.08	3.76	<1	<1
W5B	-15.5	6/3/03	928			4.67	145	72.3	1013	0.02	0.3	120	3362	4.80	148.7	81.1	1135	0.59	22.4	7.75	32.08	3.36	19	483

NELHA Water Quality Laboratory

Well 5B Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.			
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM)	(µg P/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml			
W5B	-15.5	7/29/03	954			4.11	127	59.9	838	0.06	0.8	142	3977	4.33	134.1	65.7	921			na	na	
W5B	-15.5	8/26/03	949			4.52	140	66.6	933	0.06	0.8	129	3620	4.68	145.0	76.4	1070			<1	<1	
W5B	-15.5	9/15/03	931			4.43	137	63.8	894	0.02	0.3	125	3516	4.54	140.6	75.0	1050			<1	<1	
W5B	-15.5	10/6/03	913			4.66	144	67.1	940	0.07	1.0	126	3533	4.78	148.1	73.5	1030			<1	4	
W5B	-15.5	10/28/03	1007			4.70	146	63.1	884	0.10	1.4	126	3530	4.80	148.7	70.8	992			<1	<1	
W5B	-15.5	11/14/03	1316																		3.71	
W5B	-15.5	12/15/03	919			4.86	151	59.5	834	0.06	0.8	124	3469	5.03	155.8	63.2	886			<1	<1	
W5B	-15.5	1/26/04	924			4.80	149	63.1	884	0.10	1.4	130	3640	5.00	154.9	65.5	917			<1	<1	
W5B	-15.5	2/5/04	923			4.84	150	69.1	968	0.20	2.8	132	3716	5.02	155.5	73.2	1026			<1	<1	
W5B	-15.5	3/2/04	928			4.82	149	63.7	892	0.30	4.2	125	3516	5.04	156.1	76.3	1069			<1	<1	
W5B	-15.5	4/20/04	923			4.78	148	82.4	1155	0.05	0.7	120	3376	4.80	148.7	90.5	1268			<1	1	
W5B	-15.5	5/11/04	838			4.70	146	74.9	1049	0.30	4.2	120	3381	4.70	145.6	79.6	1115			1	3	
W5B	-15.5	5/12/04	1005																		4.36	na
W5B	-15.5	6/2/04	857			4.74	147	72.5	1015	0.18	2.5	121	3407	4.82	149.3	74.3	1040			<1	2	
W5B	-15.5	7/14/04	929			4.38	136	80.5	1127	0.20	2.8	123	3466	4.40	136.3	89.0	1246			<1	<1	
W5B	-15.5	8/23/04	940			4.46	138	81.9	1147	0.39	5.5	123	3460	4.50	139.4	86.0	1205			<1	1792	
W5B	-15.5	9/2/04	946			4.44	138	80.7	1131	0.13	1.8	124	3494	4.46	138.1	84.1	1179			<1	2640	
W5B	-15.5	10/4/04	900			4.42	137	79.4	1112	0.19	2.7	118	3314	4.70	145.6	83.3	1167			<1	232	
W5B	-15.5	11/23/04	908			4.50	139	70.7	990	0.06	0.8	129	3620	4.72	146.2	105	1474			<1	342	
W5B	-15.5	12/8/04	855			4.48	139	71.9	1008	0.10	1.4	127	3553	4.58	141.9	89.0	1246			<1	47	
W5B	-15.5	1/18/05	908			4.42	137	71.0	994	0.08	1.1	136	3820	4.6	142.5	76.1	1066			<1	127	
W5B	-15.5	2/10/05	855			4.44	138	72.4	1014	0.27	3.8	131	3682	4.58	141.9	101	1410			<1	95	
W5B	-15.5	3/22/05	902			4.68	145	84.3	1181	0.14	2.0	131	3665	4.94	153.0	92.4	1294	0.72		<1	<1	
W5B	-15.5	4/20/05	853			4.38	136	75.8	1061	0.11	1.5	128	3589	4.54	140.6	80.8	1132			<1	13	
W5B	-15.5	5/25/05	915			4.22	131	79.6	1115	0.15	2.1	131	3682	4.64	143.7	91.5	1282			<1	343	
W5B	-15.5	6/14/05	913			4.36	135	77.1	1080	0.12	1.7	128	3603	4.42	136.9	82.9	1161			<1	460	
W5B	-15.5	7/19/05	908			4.36	135	77.1	1080	0.10	1.4	124	3488	4.52	140.0	78.9	1105	0.55		<1	3	
W5B	-15.5	8/3/05	938			4.48	139	73.1	1024	0.03	0.4	126	3528	4.64	143.7	76.0	1065	0.58		<1	1428	
W5B	-15.5	9/22/05	901			4.34	134	64.4	902	0.13	1.8	124	3469	4.5	139.4	73.1	1023	0.53		<1	218	
W5B	-15.5	10/19/05	915			4.22	131	74.1	1038	0.14	2.0	120	3356	4.42	136.9	79.3	1111			<1	1	
W5B	-15.5	11/8/05	900			4.08	126	75.3	1055	0.08	1.1	108	3030	4.28	132.6	82.7	1158			<1	2	
W5B	-15.5	12/22/05	834			3.80	118	70.3	985	0.29	4.1	123	3457	3.96	122.7	75.3	1055			<1	<1	
W5B	-15.5	1/31/06	859			3.72	115	67.9	951	0.19	2.7	124	3483	3.84	118.9	71.9	1007			<1	1	
W5B	-15.5	2/16/06	854			3.84	119	69.6	975	0.20	2.8	124	3477	4.12	127.6	67.2	941	0.60		<1	1	
W5B	-15.5	3/22/06	845			3.63	112	63.7	892	0.27	3.8	120	3370	3.85	119.2	69.8	978	0.61		<1	<1	
W5B	-15.5	4/27/06	925			3.61	112	69.7	976	0.10	1.4	108	3033	3.71	114.9	66.6	932	0.62		<1	<1	
W5B	-15.5	5/24/06	948			3.27	101	63.2	885	<0.05	0.0	112	3146	3.56	110.3	61.9	867	0.64		<1	<1	
W5B	-15.5	6/28/06	932			3.30	102	64.0	896	0.35	4.9	110	3089	3.41	105.6	61.8	865	0.59		<1	2	
W5B	-15.5	7/19/06	910			3.25	101	67.1	940	0.25	3.5	101	2837	3.35	103.8	56.0	784	0.61		1	17	
W5B	-15.5	8/9/06	932			3.15	98	64.2	899	0.14	2.0	109	3061	3.38	104.7	59.6	835	0.62		<1	1	
W5B	-15.5	9/20/06	943			3.23	100	57.5	805	0.24	3.4	107	3005	3.50	108.4	54.2	759	0.63		<1	>5,000	
W5B	-15.5	10/25/06	938			3.36	104	49.3	691	0.34	4.8	108	3033	3.55	110.0	46.4	650	0.74		<1	688	
W5B	-15.5	11/29/06	935			3.58	111	54.4	762	0.29	4.1	104	2921	3.73	115.5	50.1	701	0.70		<1	3	
W5B	-15.5	12/13/06	939			3.52	109	59.2	829	0.24	3.4	103	2893	3.71	114.9	52.7	738	0.60		<1	1	
W5B	-15.5	1/10/07	925			3.87	120	59.6	835	0.26	3.6	106	2977	3.95	122.3	63.1	883	0.63		<1	<1	
W5B	-15.5	2/21/07	1005			3.62	112	61.1	856	0.43	6.0	107	3005	3.82	118.3	65.4	916	0.60		<1	<1	
W5B	-15.5	3/7/07	956			3.64	113	63.2	885	0.25	3.5	110	3089	3.77	116.8	65.6	918	0.64		<1	<1	
W5B	-15.5	4/19/07	935			3.88	120	69.2	969	0.24	3.4	110	3089	4.06	125.8	59.8	837	0.52		<1	<1	
W5B	-15.5	5/2/07	942			3.89	120	63.3	887	0.27	3.8	110	3089	4.17	129.2	61.2	857	0.54		<1	1	
W5B	-15.5	6/20/07	946			3.90	121	60.5	848	0.19	2.7	107	3005	4.07	126.1	n/a	n/a			<1	15	

NELHA Water Quality Laboratory

Well 5B Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM)	(µg P/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg C/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W5B	-15.5	7/23/07	1143	-3.22	0.52	Flood	2.80	87	31.9	447	0.04	0.5	59	1663	3.09	95.7	33.6	471.0		
W5B	-15.5	8/27/07	1417	-2.82	0.52	Flood	5.27	163	80.2	1123	0.15	2.1	113	3164	4.79	148.5	79.6	1114.8		
W5B	-15.5	9/18/07	1552	-3.07	0.24	Ebb	4.54	141	73.2	1026	1.26	18	118	3313	4.69	145.3	75.2	1052.9		
W5B	-15.5	10/23/07	1430	-2.87	0.52	High	4.61	143	77.5	1086	0.29	4.1	115	3233	4.58	141.7	71.8	1006.0		
W5B	-15.5	11/20/07	1430	-3.10	0.38	Ebb	4.73	146	77.3	1082	0.06	0.8	121	3390	4.33	134.1	82.4	1154.2		
W5B	-15.5	12/19/07	1300	-3.22	0.30	High	4.44	137	87.7	1228	0.90	13	104	2924						
W5B	-15.5	1/25/08	1051	-3.05	0.24	Ebb	3.34	103	46.8	656	0.46	6.5	86	2423						
W5B	-15.5	2/26/08	1215	-3.43	0.03	Ebb	4.98	154	90.3	1265	2.27	32	117	3291						
W5B	-15.5	3/17/08	1343	-2.95	0.21	Flood	4.77	148	71.9	1007	0.06	0.8	98	2759						
W5B	-15.5	4/29/08	937	-3.35	0.09	Flood	4.85	150	79.5	1113	0.09	1.2	118	3312						
W5B	-15.5	5/28/08	1008	-3.10	0.18	Flood	4.48	139	74.0	1037	0.13	1.8	136	3833						
W5B	-15.5	6/17/08	1057	-3.28	0.00	Flood	4.73	146	76.9	1077	0.39	5.4	117	3273						
W5B	-15.5	7/22/08	1126	-3.25	0.30	Ebb	4.06	126	83.9	1175	0.42	5.9	118	3307						
W5B	-15.5	7/31/08	950	-3.58	-0.09	Low	4.15	129	81.4	1140	0.26	3.6	117	3286						
W5B	-15.5	9/16/08	1037	-2.94	0.12	Ebb	4.48	139	77.6	1087	1.08	15	120	3363						
W5B	-15.5	10/31/08	924	-3.22	0.30	Ebb	5.64	175	86.0	1205	0.25	3.5	119	3348						
W5B	-15.5	11/14/08	1149	-3.47	0.12	Ebb	4.55	141	88.4	1238	0.24	3.4	116	3254					0.35	
W5B	-15.5	12/16/08	1000	-3.15	0.61	Ebb	5.19	161	95.2	1334	0.11	1.5	127	3558						
W5B	-15.5	1/23/09	1438	-3.41	0.15	High	4.67	145	99.0	1386	0.82	12	109	3050						0.10
W5B	-15.5	2/24/09	1554	-3.25	0.30	Flood	4.49	139	47.6	667	0.30	4.2	114	3197						0.08
W5B	-15.5	3/16/09	1542	-3.52	0.03	Low	3.30	102	82.0	1148	0.13	1.8	94	2632						0.19
W5B	-15.5	4/30/09	1540	-3.57	0.09	Flood	7.01	217	97.4	1364	0.58	8.1	121	3392						
W5B	-15.5	5/29/09	955	-3.33	0.21	High	3.96	123	95.8	1341	0.17	2.4	94	2638						0.04
W5B	-15.5	6/18/09	1412	-2.99	0.61	High	5.77	179	77.1	1080	0.28	3.9	97	2737						0.03
W5B	-15.5	7/31/09	1113	-3.07	0.52	Flood	4.19	130	94	1314	0.14	2.0	93	2601						0.07
W5B	-15.5	8/19/09	1111	-3.49	0.09	Flood	3.64	113	80	1118	1.21	17.0	71	1997						0.08
W5B	-15.5	9/24/09	941	-3.09	0.61	High	4.48	139	87	1215	0.23	3.2	109	3063						0.07
W5B	-15.5	10/23/09	1411	-3.45	0.21	Ebb	4.15	128	63	884	0.88	12.3	93	2615						0.06
W5B	-15.5	11/17/09	1026	-3.64	0.21	Ebb	4.81	149	76	1065	0.87	12.2	132	3711						0.03
W5B	-15.5	12/8/09	1014	-3.13	0.52	Ebb	4.58	142	84	1173	1.12	15.7	147	4127						0.04
W5B	-15.5	1/6/10	942	-3.13	0.40	Ebb	4.16	129	77	1082	1.14	16	138	3869						0.13
W5B	-15.5	2/2/10	924	-3.47	0.24	Ebb	4.68	145	99	1382	0.71	10	126	3531						0.08
W5B	-15.5	3/10/10	903	-3.60	0.09	Low	5.59	173	93	1303	0.43	6	146	4089						0.03
W5B	-15.5	4/6/10	1515	-3.51	0.09	Ebb	5.13	159	86	1198	0.93	13	144	4048						0.10
W5B	-15.5	5/12/10	844	-3.64	-0.06	Low	5.00	155	76	1060	1.00	14.0	130	3644						0.04
W5B	-15.5	6/16/10	1109	-3.54	0.09	Ebb	5.42	168	88	1237	0.79	11.0	150	4225						0.49
W5B	-15.5	7/14/10	842	-3.33	0.18	Ebb	5.10	158	95	1334	0.07	1.0	170	4762						0.10
W5B	-15.5	8/3/10	1732	-3.24	0.12	Ebb	5.00	155	81	1131	0.51	7.1	144	4032						0.27
W5B	-15.5	9/13/10	1519	-3.33	0.24	Ebb	5.07	157	77	1074	0.25	3.5	147	4129						0.12
W5B	-15.5	10/11/10	1023	-3.11	0.46	Ebb	4.84	150	74	1034	0.06	0.9	146	4100						0.23
W5B	-15.5	11/15/10	1145	-3.11	0.43	High	5.10	158	73	1021	0.12	1.7	143	4003						0.12
W5B	-15.5	12/13/10	859	-3.10	0.40	High	5.10	158	78	1093	0.14	1.9	145	4071						0.12
W5B	-15.5	1/3/11	1538	-3.45	0.21	High	5.07	157	80	1121	0.15	2.1	142	3994						0.09
W5B	-15.5	4/4/11	1429	-3.20	0.30	Flood	5.00	155	91	1281	0.11	1.6	129	3636						0.06
W5B	-15.5	7/11/11	1317	-3.02	0.67	Flood	4.71	146	79	1111	0.19	2.6	129	3616						0.05
W5B	-15.5	10/10/11	1228	-3.35	0.30	Flood	4.68	145	60	842	0.05	0.7	125	3502						0.09
W5B	-15.5	1/9/12	1303	-3.49	0.03	Low	4.62	143	76	1068	0.04	0.5	123	3453						0.07
W5B	-15.5	4/30/12	1421	-3.17	0.27	Ebb	4.58	142	67	937	0.06	0.8	130	3645						0.02
W5B	-15.5	7/17/12	1611	-2.87	0.73	High	4.20	130	69	965	0.16	2.3	134	3770						0.05
W5B	-15.5	10/15/12	1243	-3.40	0.12	Flood	4.29	133	67	940	0.17	2.4	128	3601						0.05
W5B	-15.5	1/1/13	1331	-3.29	0.24	Ebb	4.13	128	79	1106	0.23	3.2	170	4787						0.02
W5B	-15.5	4/8/13	1140	-3.53	0.09	Flood	4.42	137	89	1245	0.24	3.4	129	3614						0.02
W5B	-15.5	7/16/13	1525	-3.24	0.37	Ebb	4.10	127	71	993	0.14	1.9	130	3638						0.12
W5B	-15.5	10/14/13	1532	-3.21	0.43	Ebb	3.97	123	61	855	0.44	6.2	124	3489						0.02
W5B	-15.5	1/14/14	1422	-3.19	0.21	Flood	4.16	129	80.2	1123	0.18	2.5	127	3565						0.02
W5B	-15.5	4/28/14	1640	-2.98	0.549	High	4.36	135	114	1594	0.50	7.0	119	3348						0.03

NELHA Water Quality Laboratory

Well 5B Data Table

6/23/1989 - 4/4/2016

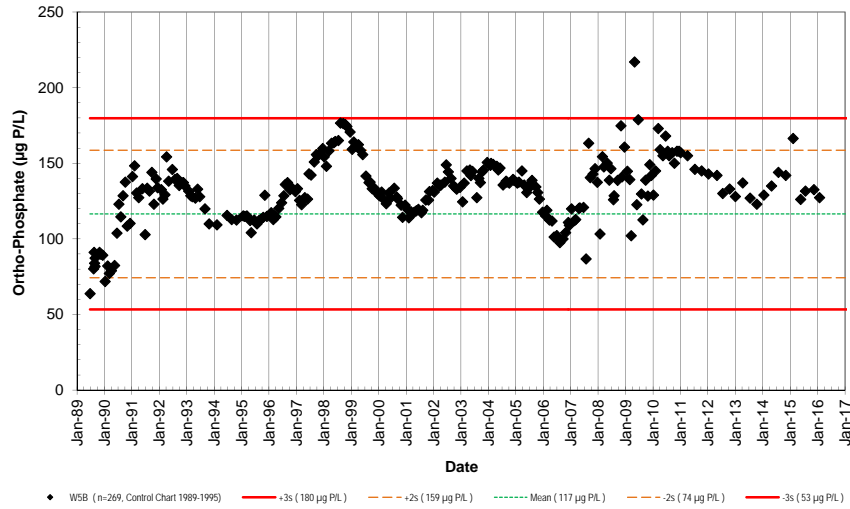
Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.						
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W5B	-15.5	7/28/14	1429	-3.32	0.381	Flood	4.65	144	93	1298	0.36	5.0	121	3389					19.8	7.66	31.49	4.09	0.06		
W5B	-15.5	11/3/14	1109	-3.15	0.38	Flood	4.58	142	74	1041	0.07	1.0	116	3261					21.0	7.69	31.60	3.19	0.08		
W5B	-15.5	2/9/15	1631	-3.23	0.10	Low	5.37	166	95	1336	0.44	6.2	140	3921					20.1	7.68	31.59	3.39	0.13		
W5B	-15.5	5/19/15	1633	-2.9	0.61	Flood	4.07	126	81	1134	0.17	2.4	114	3210					19.7	7.72	31.27	3.61	0.03		
W5B	-15.5	7/22/15	1112	-3.32	0.24	Ebb	4.25	132	69	968	0.20	2.8	119	3340					21.6	7.61	32.92	2.82	0.02		
W5B	-15.5	11/13/15	1017	-3.23	0.15	Low	4.28	133	91	1278	0.09	1.3	119	3346					23.3	7.71	31.45	3.15	0.15		
W5B	-15.5	1/26/16	1634	-3.28	0.33	Flood	4.11	127	93	1304	0.03	0.4	120	3380					22.1	7.64	31.53	3.26	0.07		
W5B	-15.5	4/1/16																							

NELHA Water Quality Laboratory

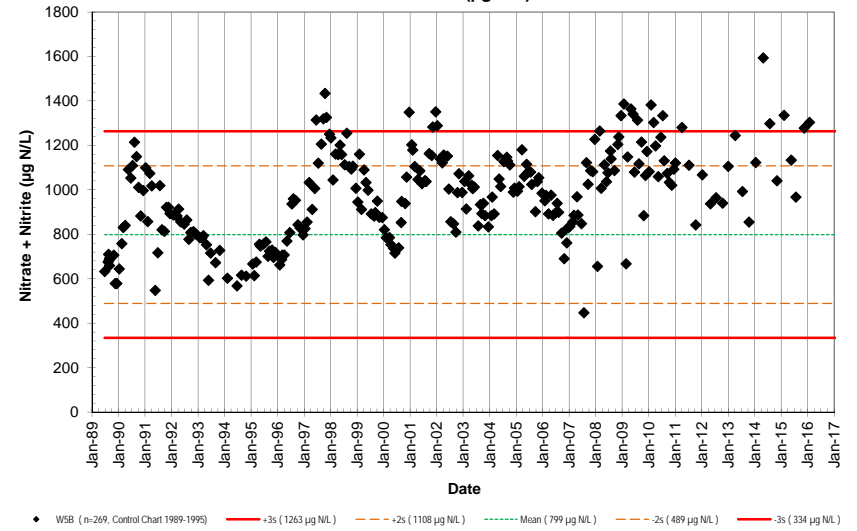
Well 5B

6/23/1989 - 4/4/2016

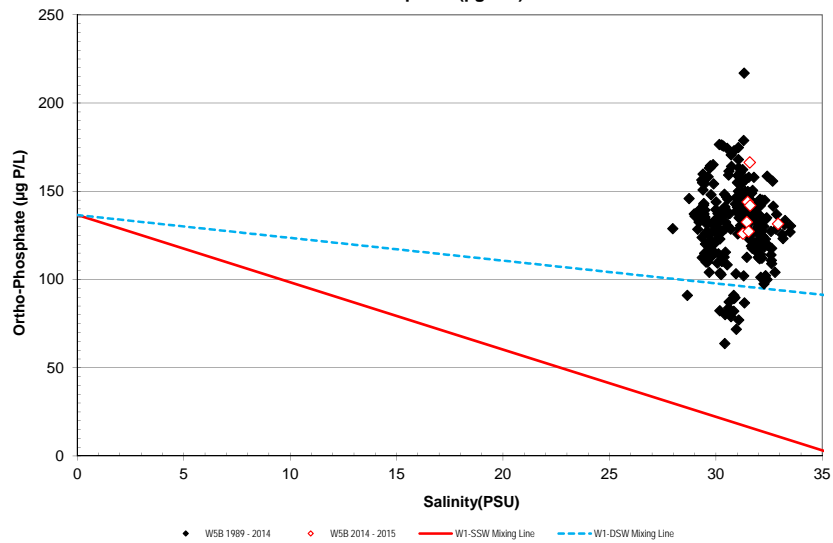
Well #5B
Ortho-Phosphate ($\mu\text{g P/L}$)



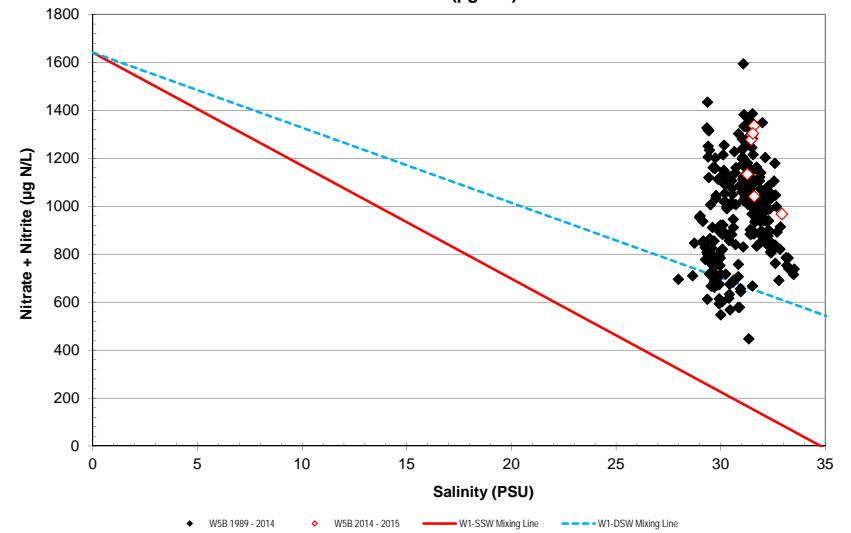
Well #5B
Nitrate + Nitrite ($\mu\text{g N/L}$)



Well #5B Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)



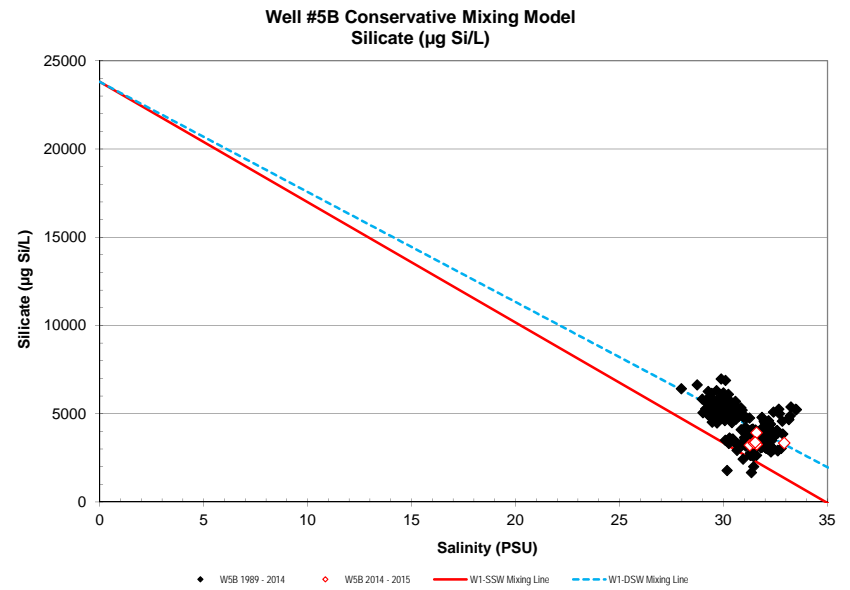
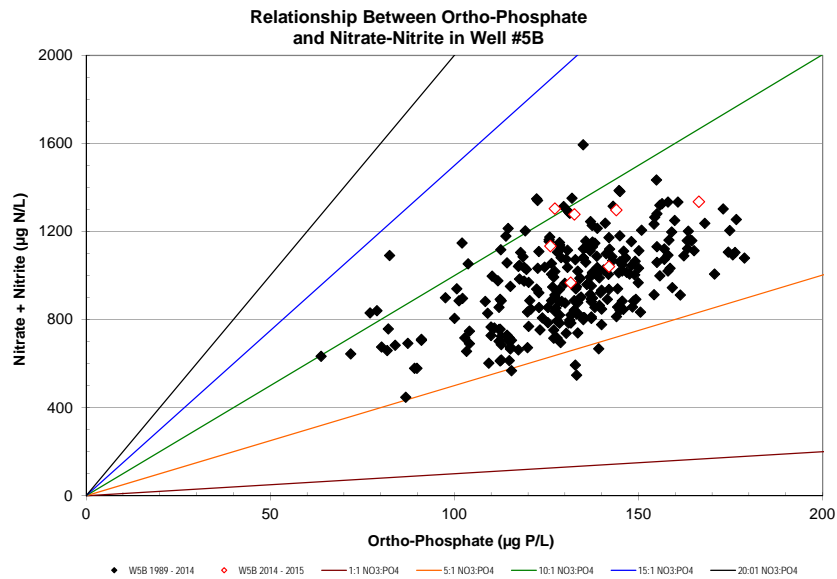
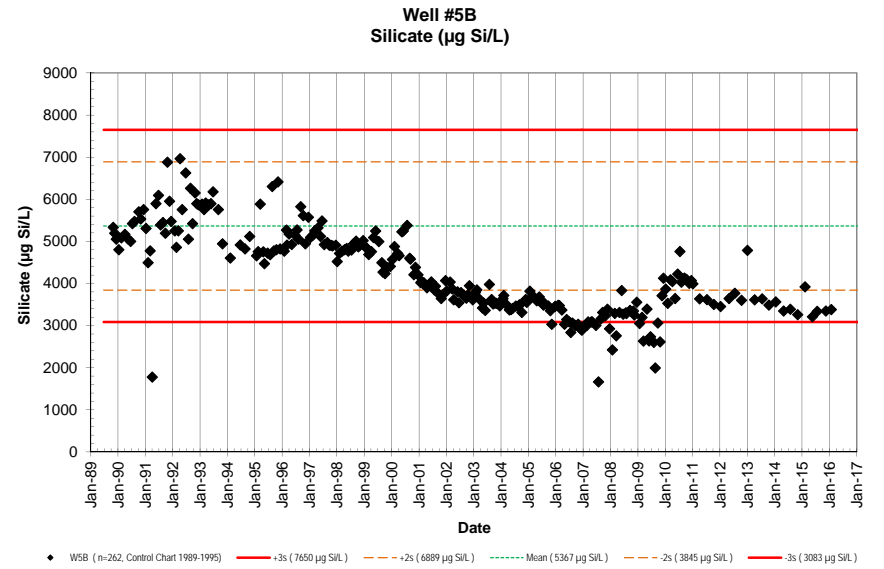
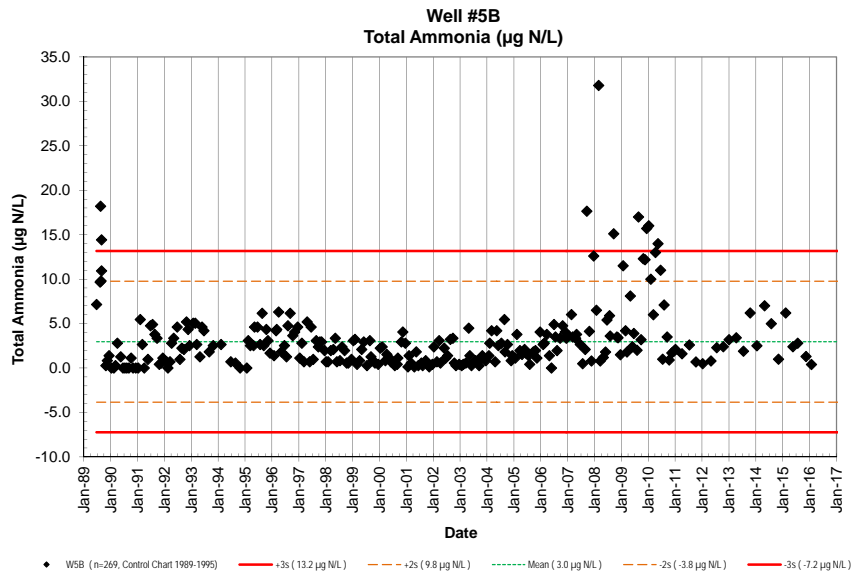
Well #5B Conservative Mixing Model
Nitrate + Nitrite ($\mu\text{g N/L}$)



NELHA Water Quality Laboratory

Well 5B

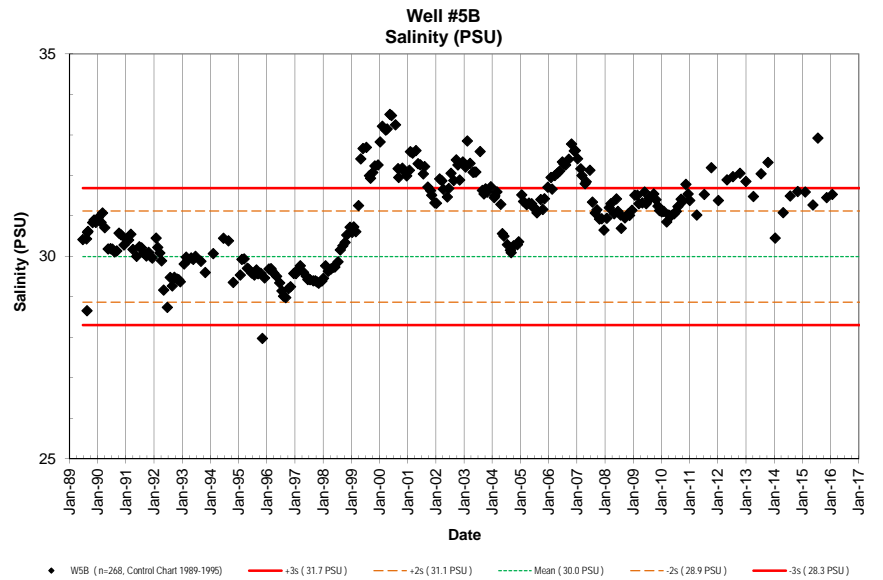
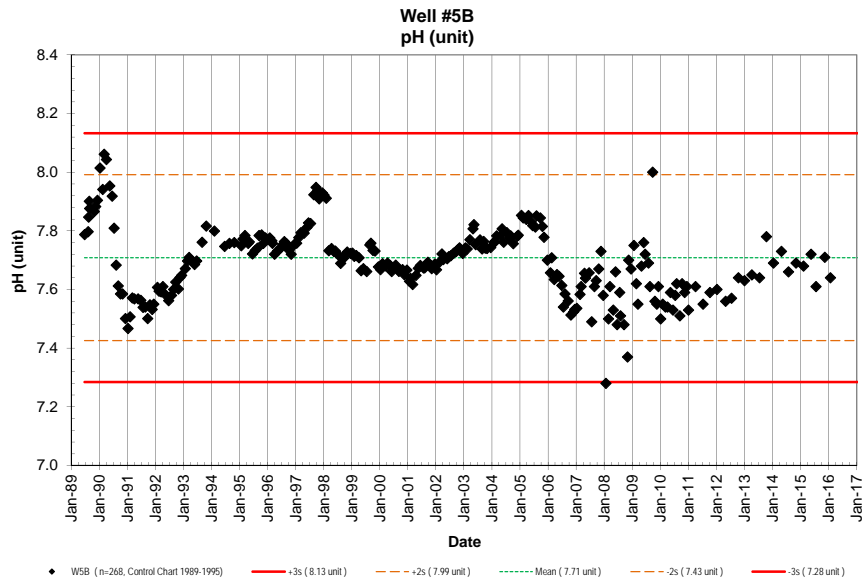
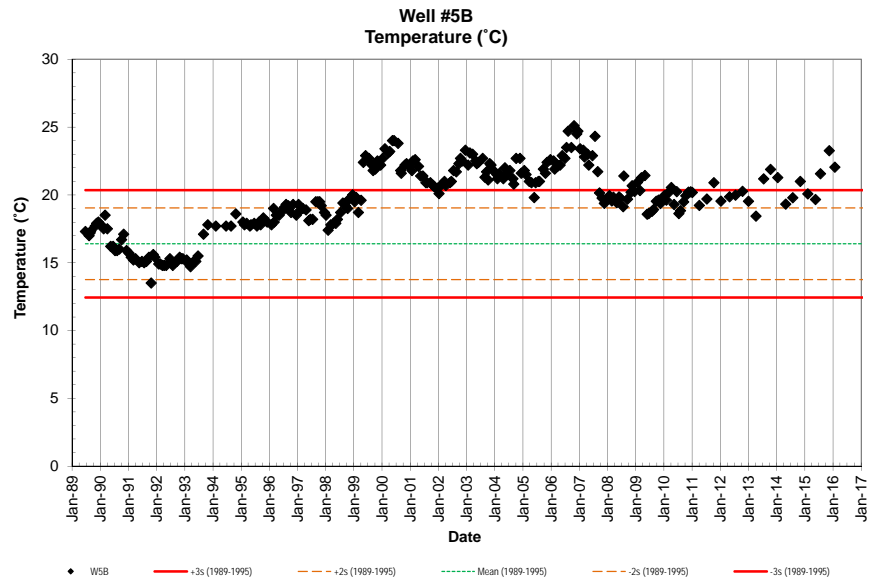
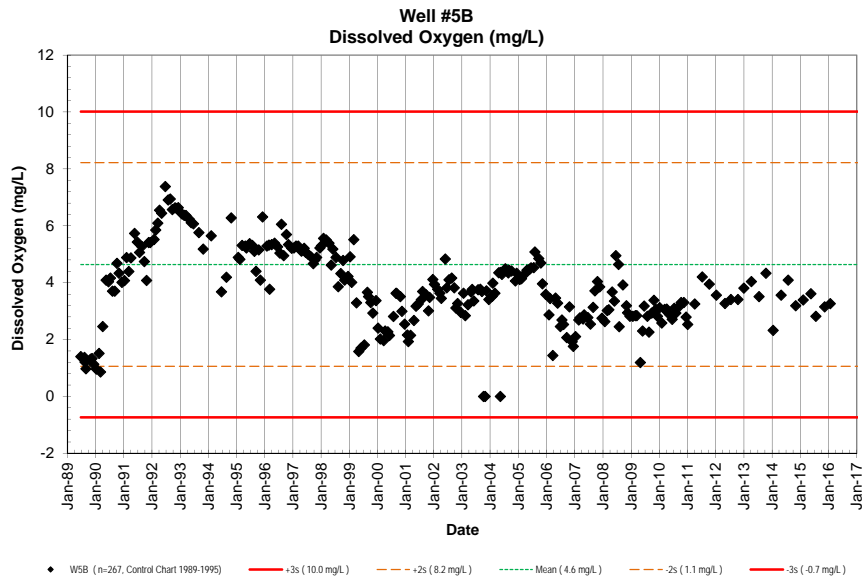
6/23/1989 - 4/4/2016



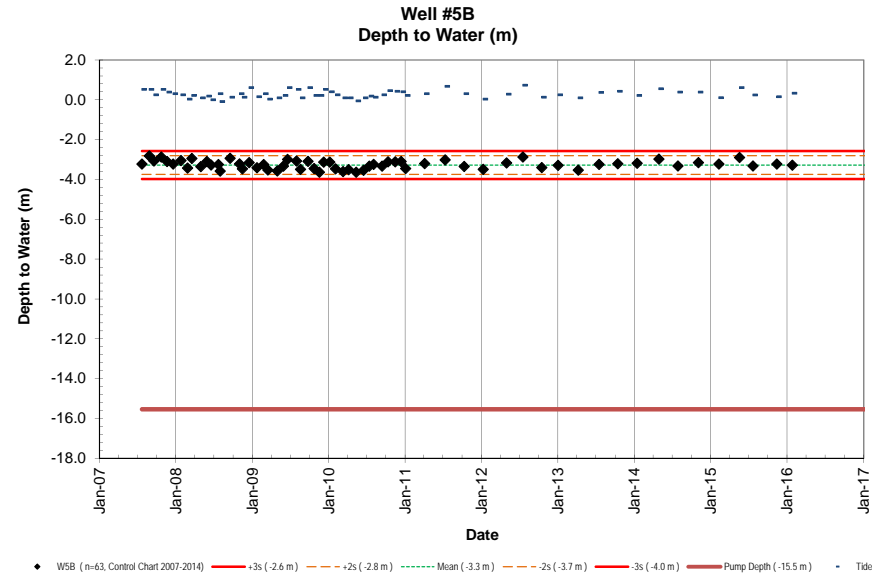
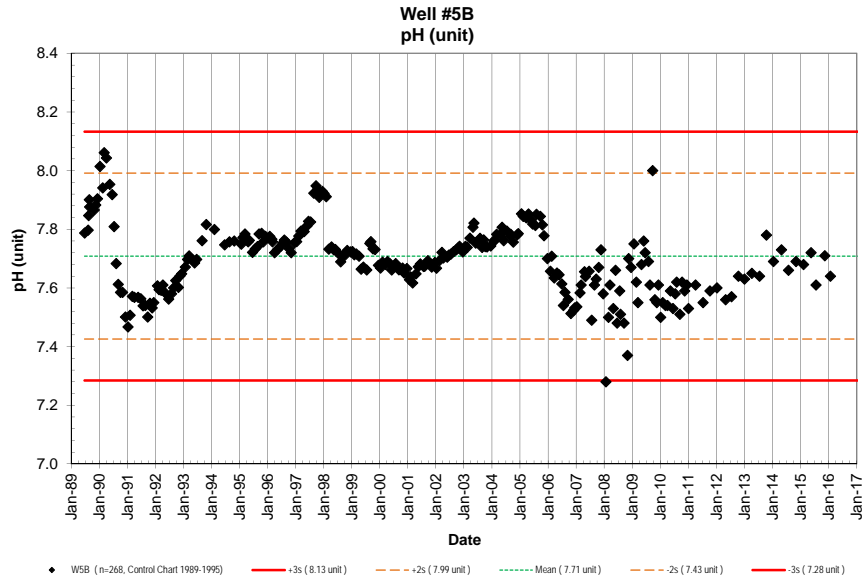
NELHA Water Quality Laboratory

Well 5B

6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory
 Well 5B
 6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 6 Data Table

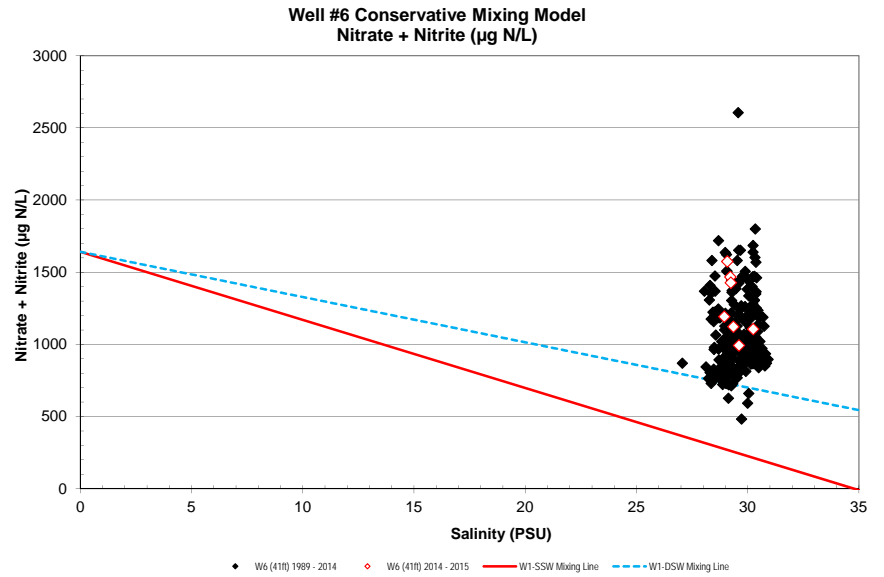
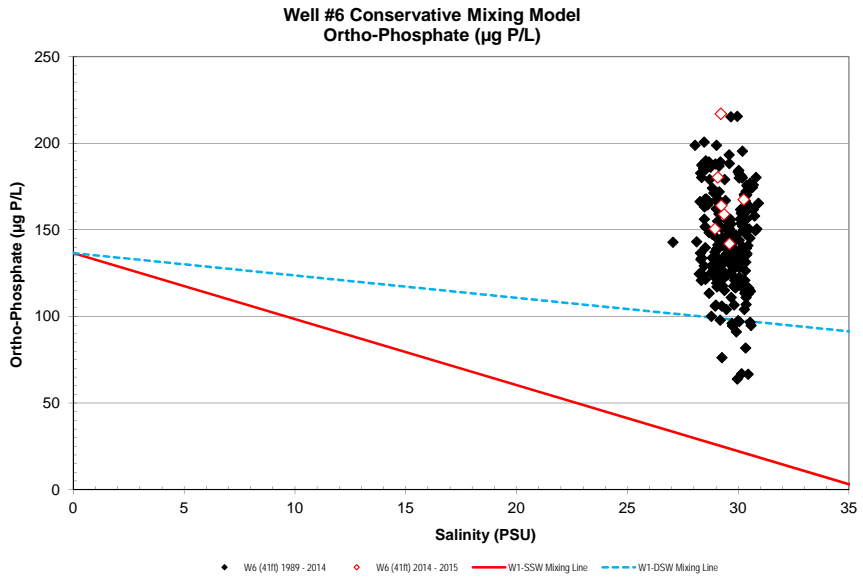
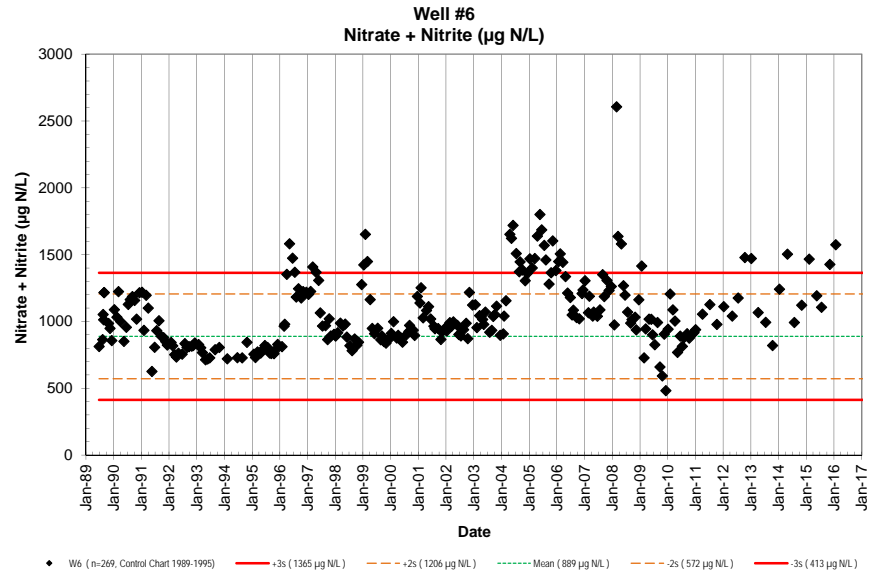
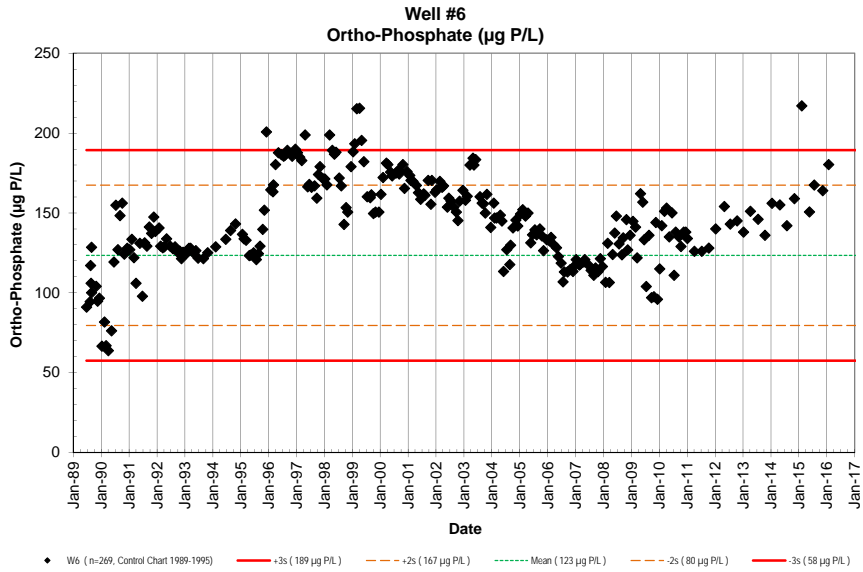
6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L) (mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W6	-12.5	7/28/14	1541	-2.07	0.49 Flood	4.58 142	70.8 992	0.14 2	192 5402				16.0	7.51	29.61	4.91	0.06		
W6	-12.5	11/3/14	1307	-2.01	0.46 High	5.13 159	80.1 1122	0.12 1.7	187 5244				17.0	7.60	29.36	4.80	0.10		
W6	-12.5	2/9/15	1648	-2.33	0.18 Low	7.01 217	104.7 1467	0.33 4.6	217 6083				15.3	7.64	29.22	6.91	0.38		
W6	-12.5	5/19/15	1045	-2.71	-0.06 Low	4.86 151	85.1 1192	0.24 3.4	186 5220				15.4	7.62	28.95	5.70	0.02		
W6	-12.5	7/21/15	1335	-2.48	0.18 Low	5.41 168	78.9 1106	0.06 0.8	185 5197				16.6	7.50	30.25	4.12	0.02		
W6	-12.5	11/9/15	1104	-2.27	0.25 Flood	5.29 164	101.9 1427	0.11 1.6	179 5021				18.2	7.46	29.24	3.38	0.14		
W6	-12.5	1/26/16	1100	-2.45	0.07 Low	5.82 180	112.4 1574	0.03 0.4	192 5379				17.5	7.48	29.08	4.86	0.05		
W6	-12.5	4/1/16					0.0	0.00	0										

NELHA Water Quality Laboratory

Well 6

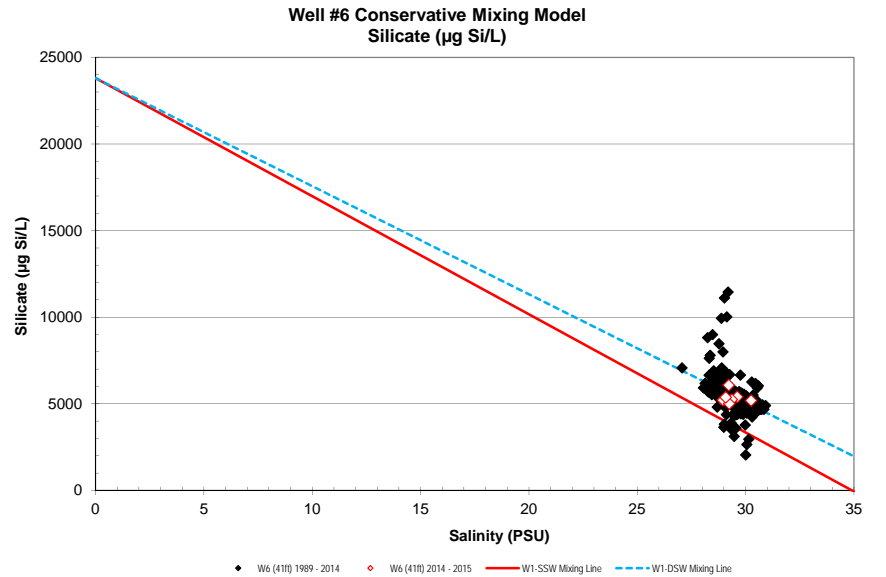
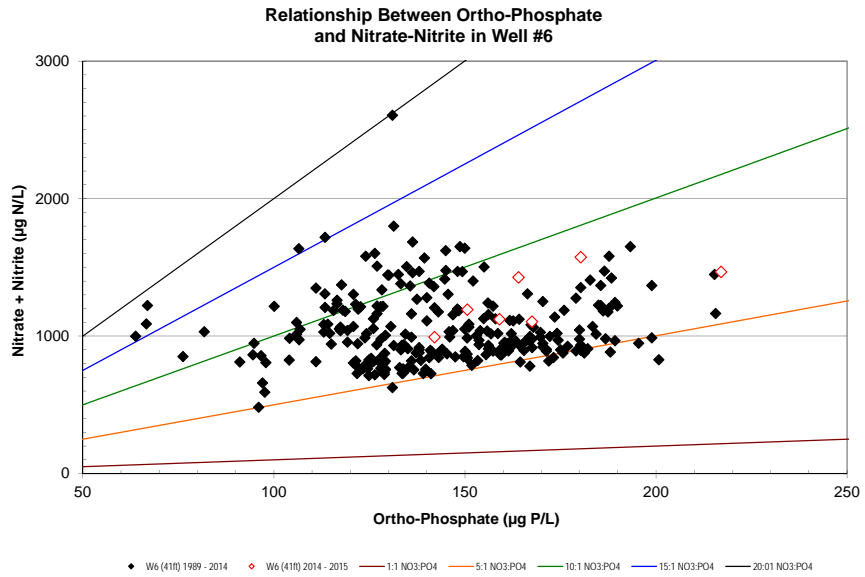
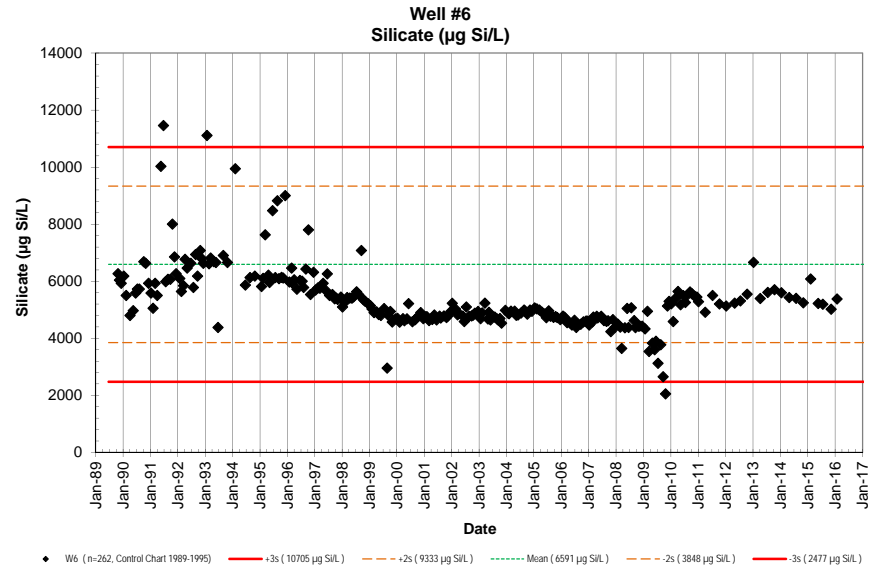
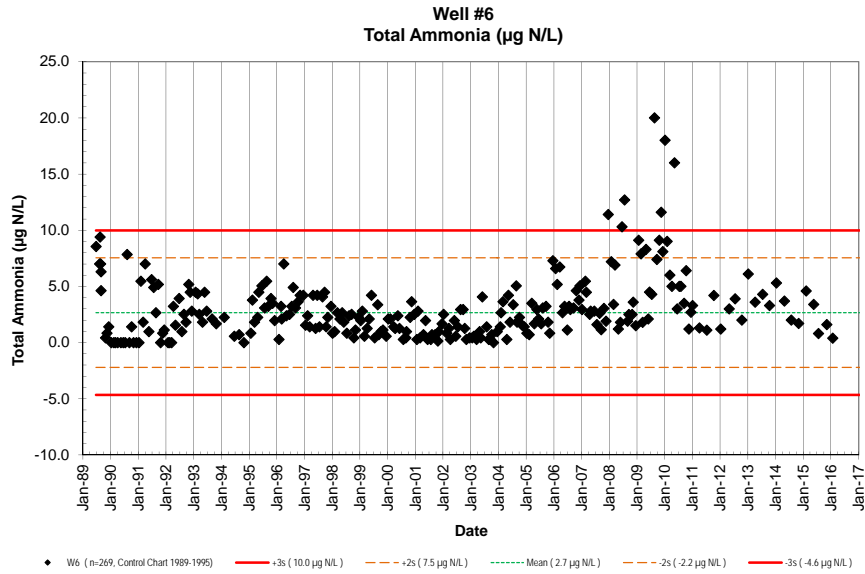
6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 6

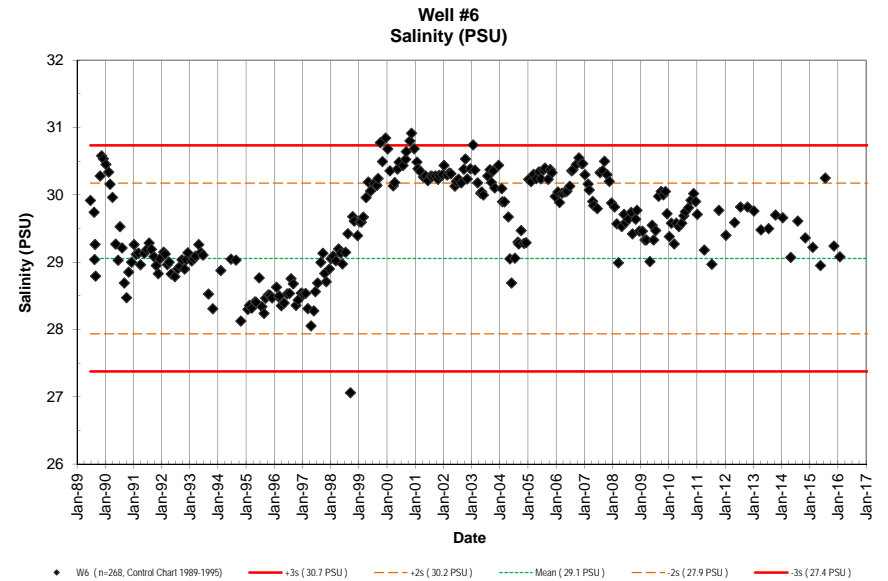
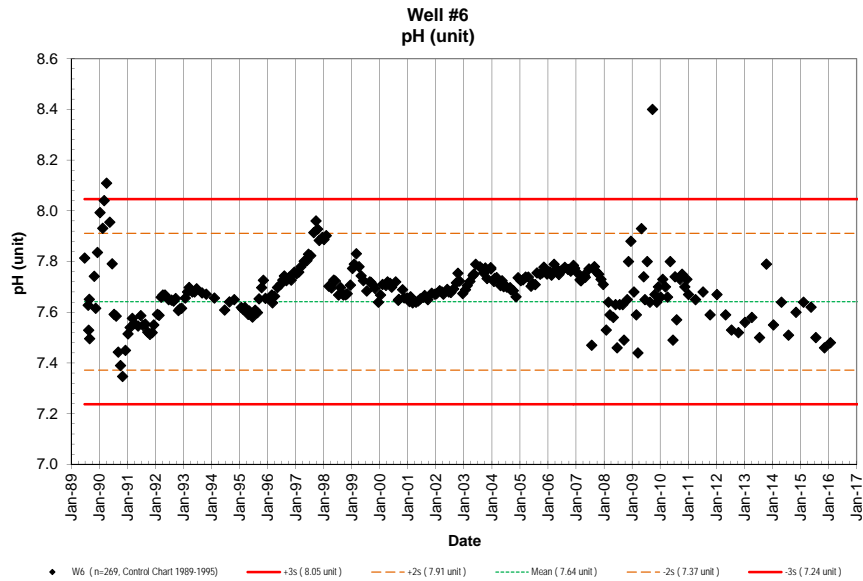
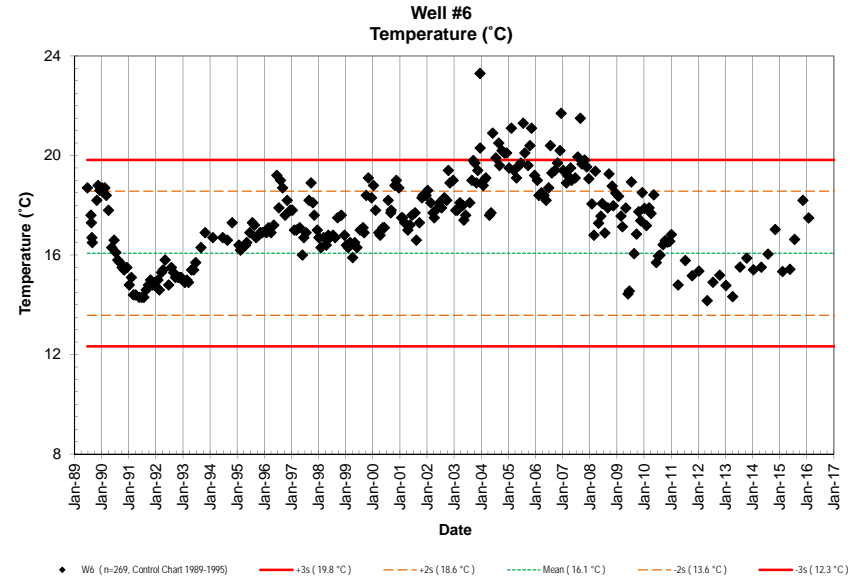
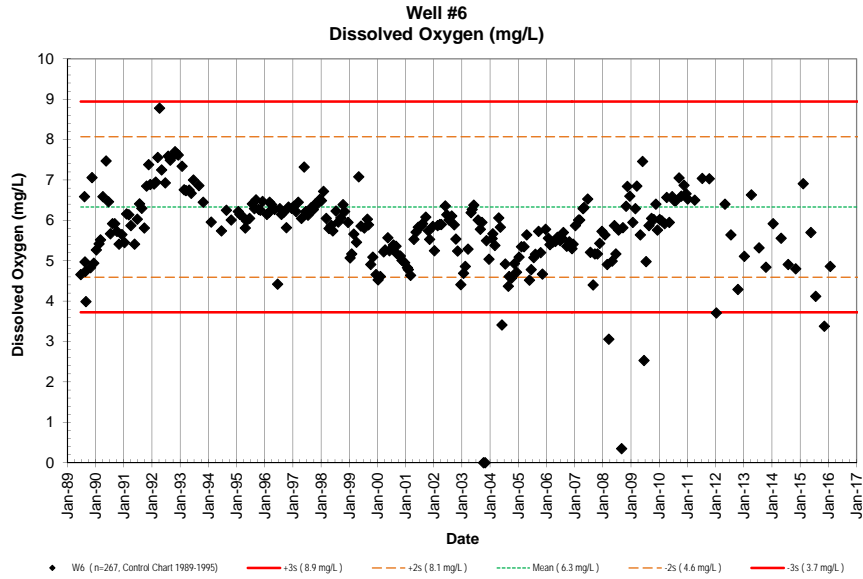
6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 6

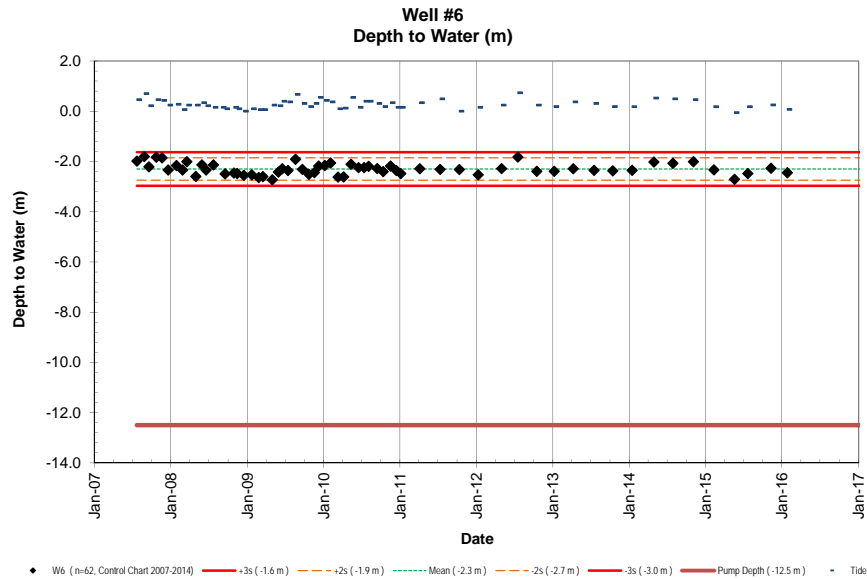
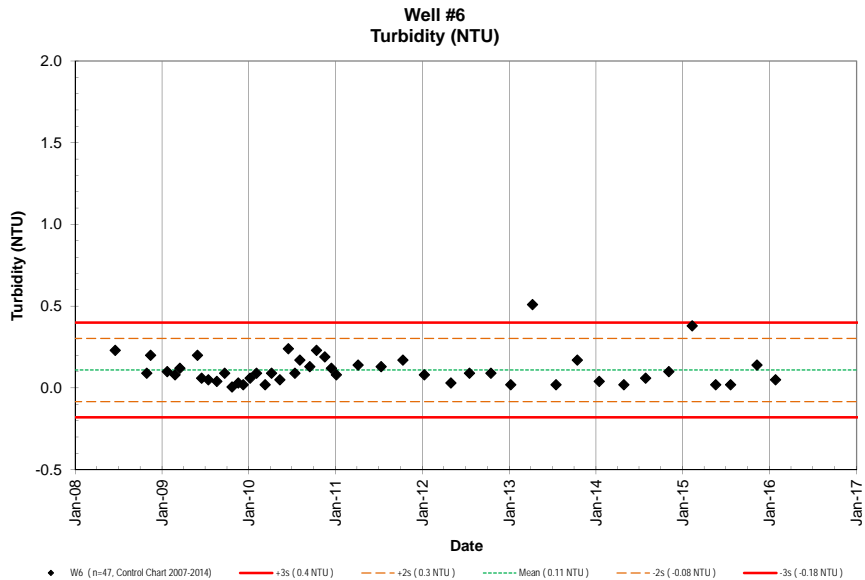
6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 6

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NELHA Water Quality Laboratory

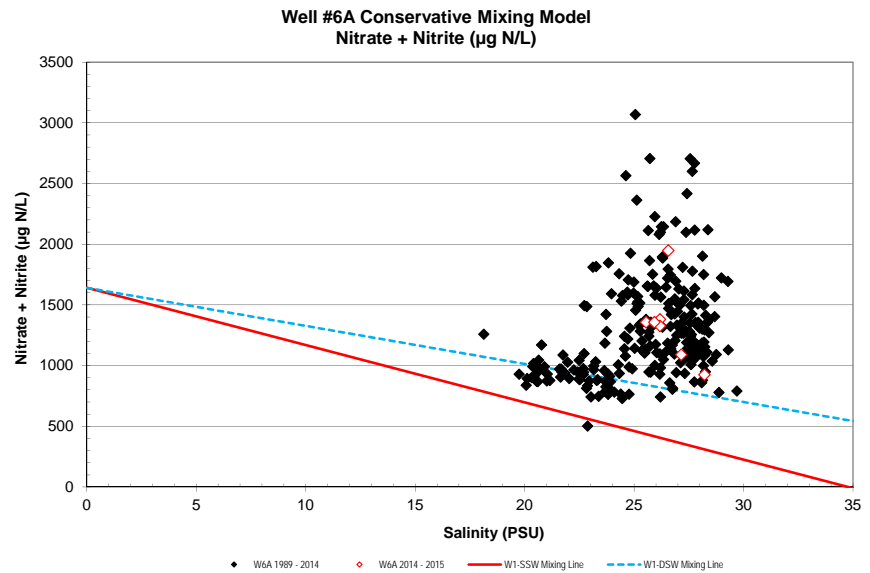
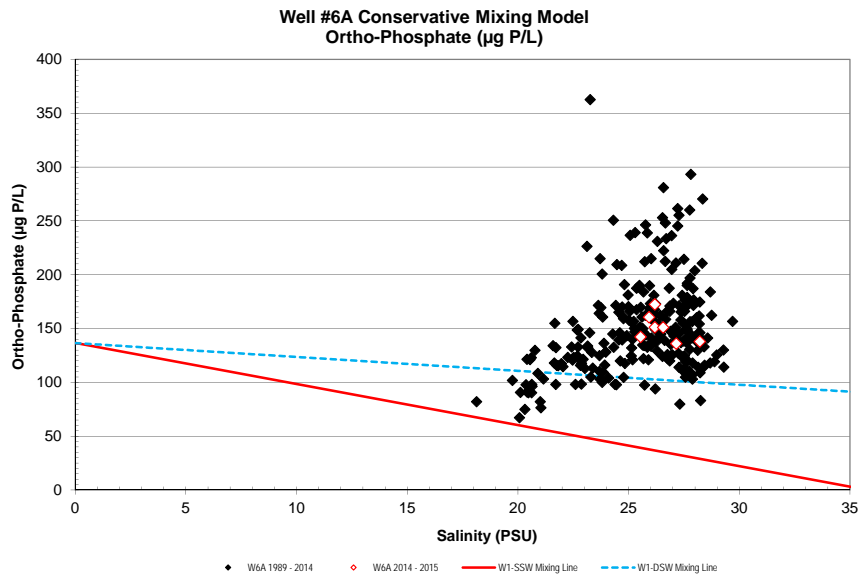
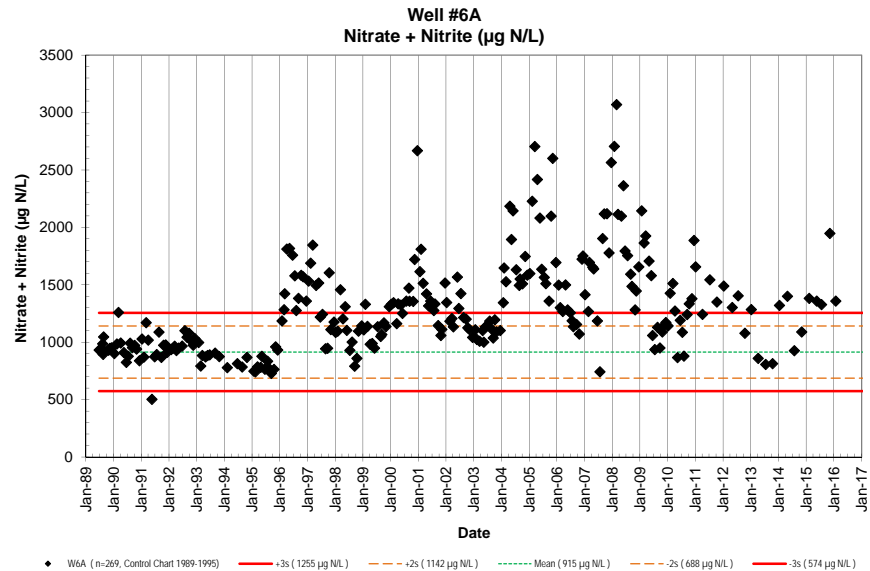
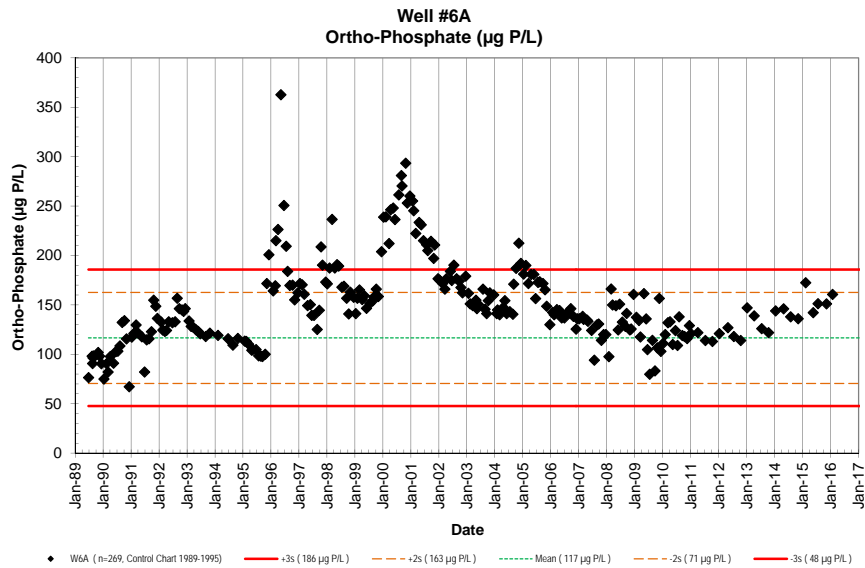
Well 6A Data Table

6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(μM) (μg P/L)	(μM) (μg N/L)	(μM) (μg N/L)	(μM) (μg Si/L)	(μM) (μg P/L)	(μM) (μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W6A	-5.18	7/28/14	1554	-2.05	0.49	Flood	4.46	138	66.1	926	0.29	4	239	6701						
W6A	-5.18	11/3/14	1322	-2.01	0.46	High	4.39	136	77.8	1090	0.11	1.5	243	6821						
W6A	-5.18	2/9/15	1700	-2.35	0.18	Low	5.57	172	98.7	1382	0.69	9.6	275	7730						
W6A	-5.18	5/19/15	1024	-2.62	-0.06	Low	4.59	142	97.0	1358	1.01	14.2	271	7598						
W6A	-5.18	7/21/15	1319	-2.46	0.18	Low	4.88	151	94.8	1327	0.02	0.3	275	7720						
W6A	-5.18	11/9/15	1041	-2.30	0.25	Flood	4.88	151	139.1	1948	0.09	1.2	243	6831						
W6A	-5.18	1/26/16	1032	-2.48	0.07	Low	5.19	161	97.0	1358	0.11	1.5	272	7643						
W6A	-5.18	4/1/16																		

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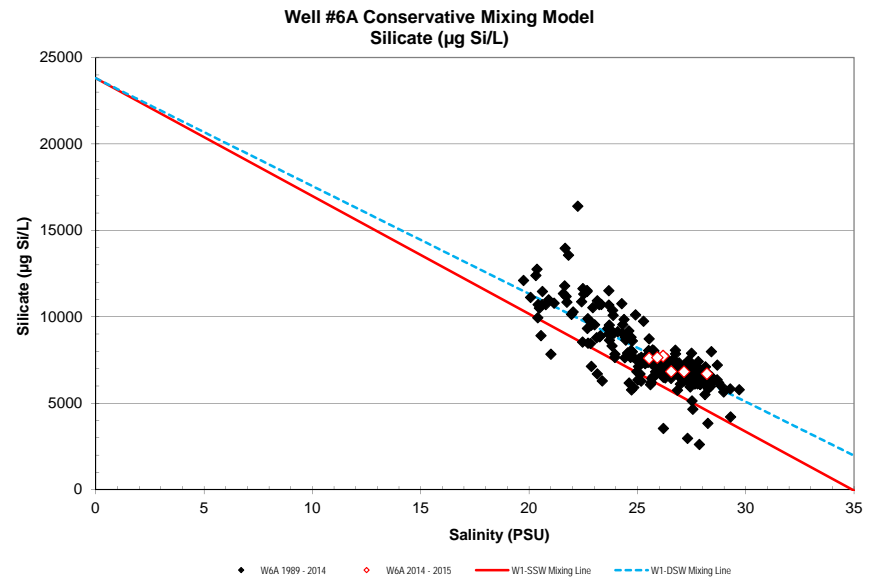
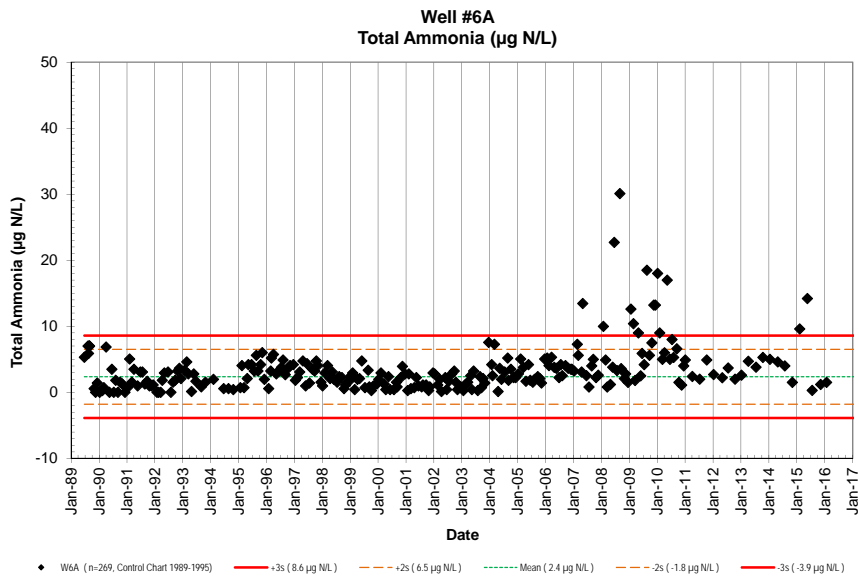
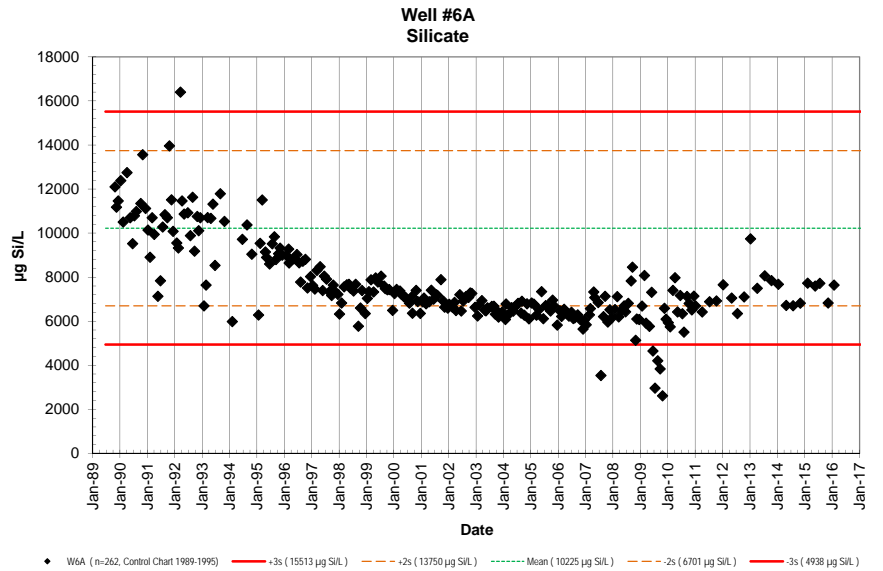
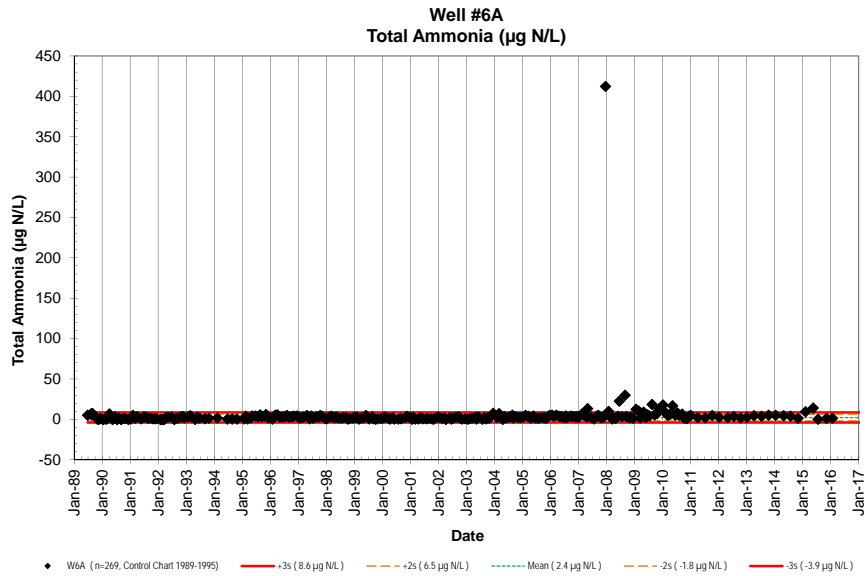
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Well 6A

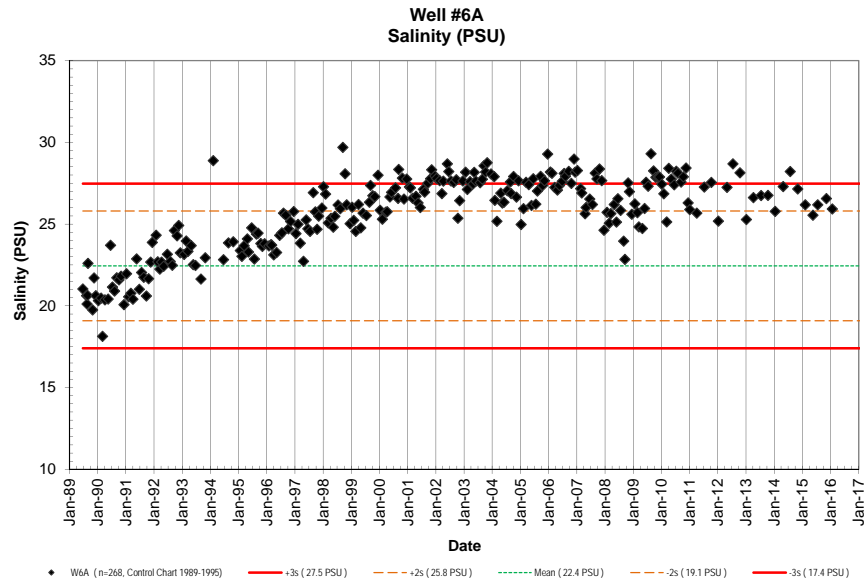
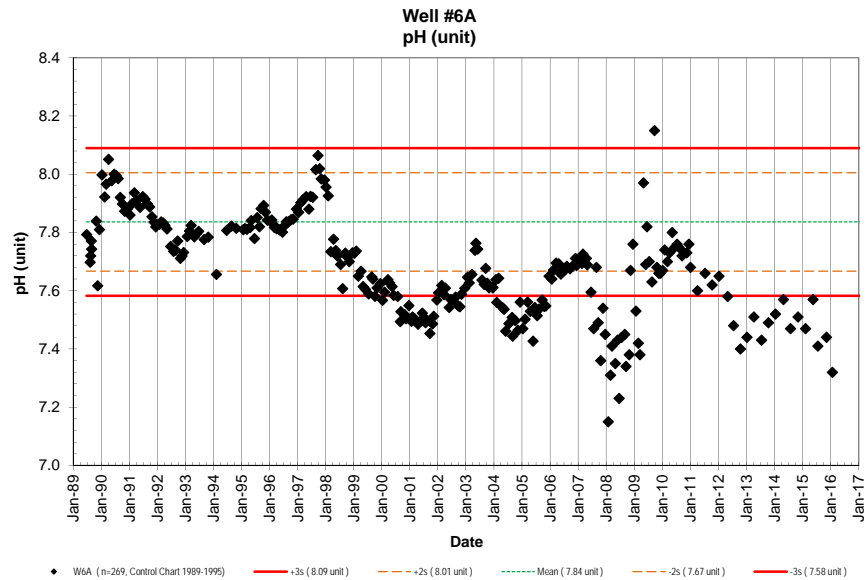
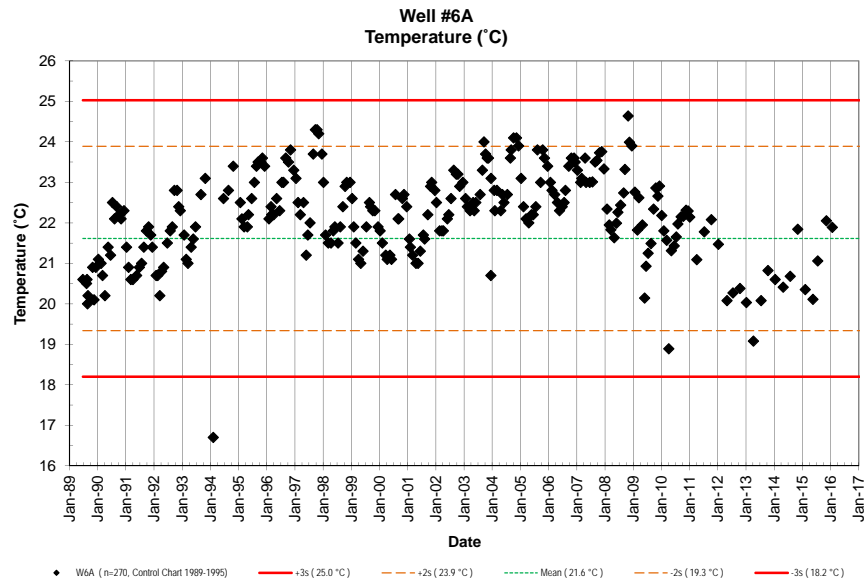
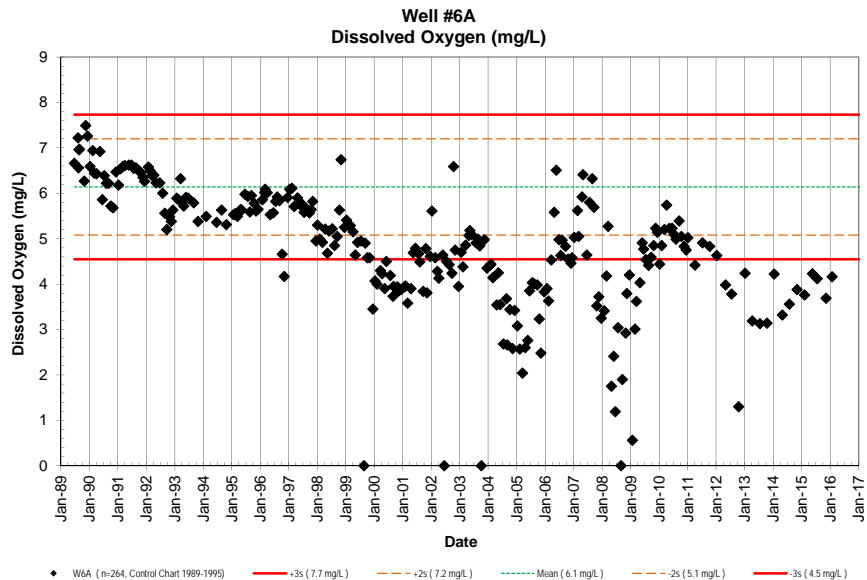
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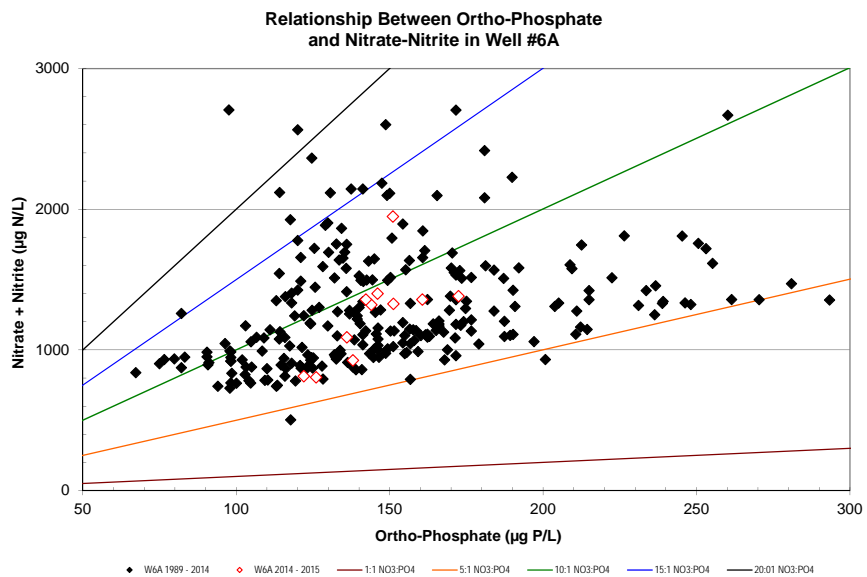
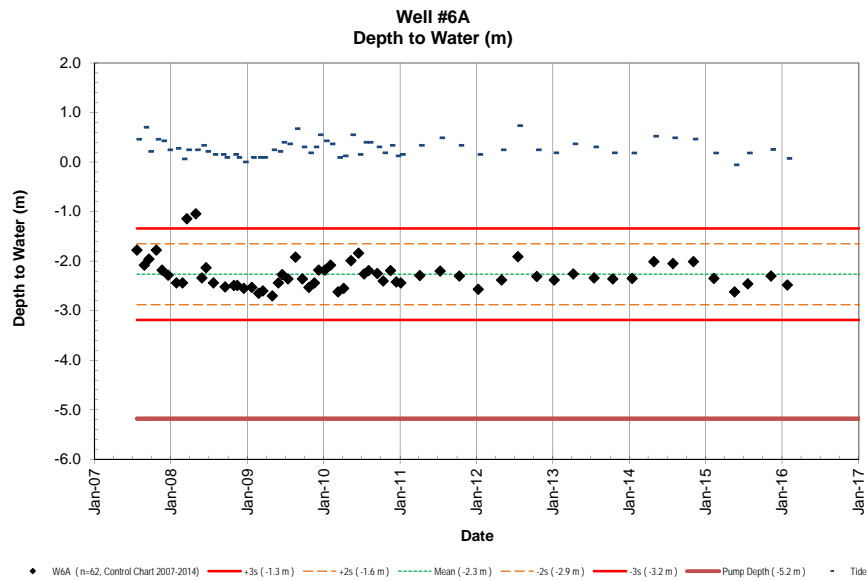
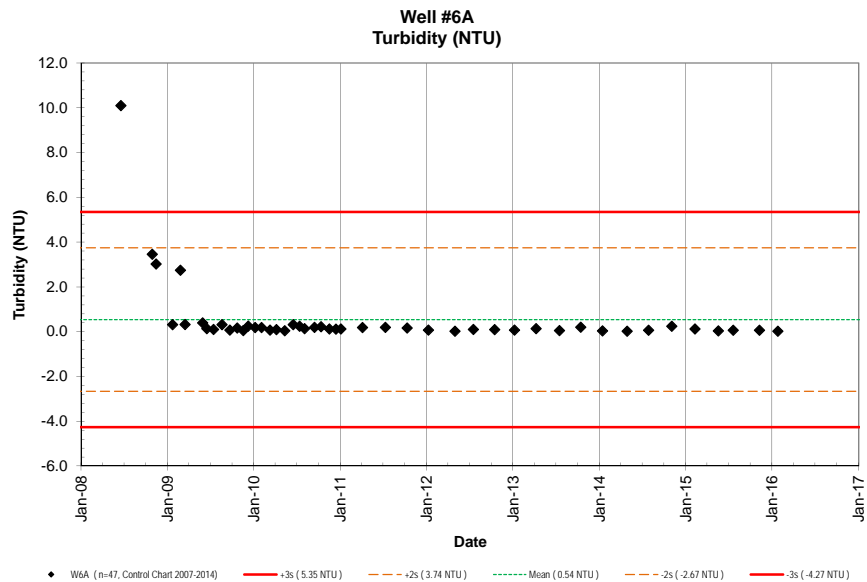
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Well 6B Data Table

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Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W6B	-8.53	6/23/89				3.11	96	63.0	882	0.44	6.2								NA	NA
W6B	-8.53	8/9/89	1353			3.66	113	75.1	1052	0.50	7.0								<1	NA
W6B	-8.53	8/15/89	1213			3.72	115	72.8	1019	0.50	7.0								<1	NA
W6B	-8.53	8/22/89	1148			3.78	117	75.8	1062	0.50	7.0								<1	NA
W6B	-8.53	8/28/89	1433			4.09	127	82.7	1158	0.50	7.0								<1	NA
W6B	-8.53	8/28/89	1433			4.09	127	82.7	1158	0.50	7.0								NA	NA
W6B	-8.53	10/27/89	1141			3.86	120	82.0	1149	0.03	0.4								<1	NA
W6B	-8.53	11/15/89	932			3.76	116	74.7	1046	0.14	1.9								<1	NA
W6B	-8.53	12/8/89	1151			3.92	121	81.6	1143	0.10	1.4								<1	NA
W6B	-8.53	1/10/90	1058			3.03	94	71.8	1006	0.00	0.0								<1	NA
W6B	-8.53	2/13/90	1157			3.61	112	76.0	1065	0.08	1.1								<1	NA
W6B	-8.53	3/5/90	1419			3.64	113	96.7	1354	0.35	4.9								<1	NA
W6B	-8.53	4/4/90	1035			4.55	141	98.8	1384	0.10	1.4								<1	NA
W6B	-8.53	5/16/90	1254			3.94	122	70.8	992	0.00	0.0								<1	NA
W6B	-8.53	6/17/90	1420			4.83	150	75.2	1053	0.00	0.0								<1	NA
W6B	-8.53	7/12/90	1302			4.10	127	63.6	891	0.17	2.4								<1	NA
W6B	-8.53	8/7/90	1230			3.66	113	68.2	955	0.00	0.0								<1	NA
W6B	-8.53	9/5/90	1422			4.70	146	78.9	1105	0.00	0.0								<1	NA
W6B	-8.53	10/4/90	1440			5.07	157	75.3	1055	0.00	0.0								<1	NA
W6B	-8.53	10/31/90	1144			3.83	119	58.9	826	0.07	1.0								<1	NA
W6B	-8.53	12/7/90	1403			3.46	107	52.7	738	0.00	0.0								<1	NA
W6B	-8.53	1/9/91	905			3.96	123	58.0	813	0.06	0.8								<1	NA
W6B	-8.53	2/5/91	1000			4.16	129	57.6	807	0.36	5.0								<1	NA
W6B	-8.53	3/6/91	957			4.80	149	83.6	1171	0.14	2.0								<1	NA
W6B	-8.53	4/2/91	1023			4.28	133	64.0	896	0.35	4.9								<1	NA
W6B	-8.53	5/21/91	935			4.26	132	36.1	506	0.09	1.3								<1	NA
W6B	-8.53	6/25/91	923			2.90	90	53.1	744	0.28	3.9								<1	<1
W6B	-8.53	7/23/91	1025			3.96	123	57.9	811	0.28	3.9								<1	<1
W6B	-8.53	8/22/91	918			3.80	118	63.4	888	0.23	3.2								<1	<1
W6B	-8.53	9/23/91	956			3.65	113	54.1	758	0.18	2.5								<1	<1
W6B	-8.53	10/22/91	1030			4.57	142	59.9	839	0.00	0.0								<1	<1
W6B	-8.53	11/19/91	1055			4.30	133	59.9	839	0.02	0.3								<1	<1
W6B	-8.53	12/10/91	1010			4.12	128	58.6	821	0.08	1.1								<1	<1
W6B	-8.53	1/28/92	948			4.15	129	60.2	843	0.00	0.0								<1	<1
W6B	-8.53	2/18/92	919			3.94	122	59.9	839	0.00	0.0								<1	<1
W6B	-8.53	3/16/92	1020			3.88	120	57.6	807	0.00	0.0								<1	<1
W6B	-8.53	4/7/92	948			3.79	117	56.5	791	0.18	2.5								<1	<1
W6B	-8.53	5/5/92	951			4.12	128	57.1	800	0.21	2.9								<1	<1
W6B	-8.53	6/22/92	939			4.18	129	60.4	846	0.28	3.9								<1	<1
W6B	-8.53	7/28/92	917			4.27	132	64.2	899	ND	0.0								<1	<1
W6B	-8.53	8/25/92	854			4.40	136	60.3	844	0.11	1.5								<1	1
W6B	-8.53	9/21/92	917			4.19	130	62.5	876	0.13	1.8								1	5
W6B	-8.53	10/26/92	932			4.21	130	61.3	859	0.31	4.3								<1	<1
W6B	-8.53	11/16/92	949			4.15	129	60.6	849	0.30	4.2								<1	<1
W6B	-8.53	12/7/92	940			4.18	129	61.5	862	0.23	3.2								<1	<1
W6B	-8.53	1/25/93	937			4.25	132	60.2	843	0.33	4.6								<1	<1
W6B	-8.53	2/22/93	907			4.17	129	63.5	889	0.33	4.6								<1	<1
W6B	-8.53	3/15/93	904			4.03	125	54.0	756	0.22	3.1								<1	<1
W6B	-8.53	4/26/93	909			4.03	125	52.2	731	0.08	1.1								<1	<1
W6B	-8.53	5/24/93	925			4.06	126	51.6	723	0.33	4.6								<1	<1
W6B	-8.53	6/21/93	926			3.98	123	57.3	803	0.18	2.5								<1	<1

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Well 6B Data Table

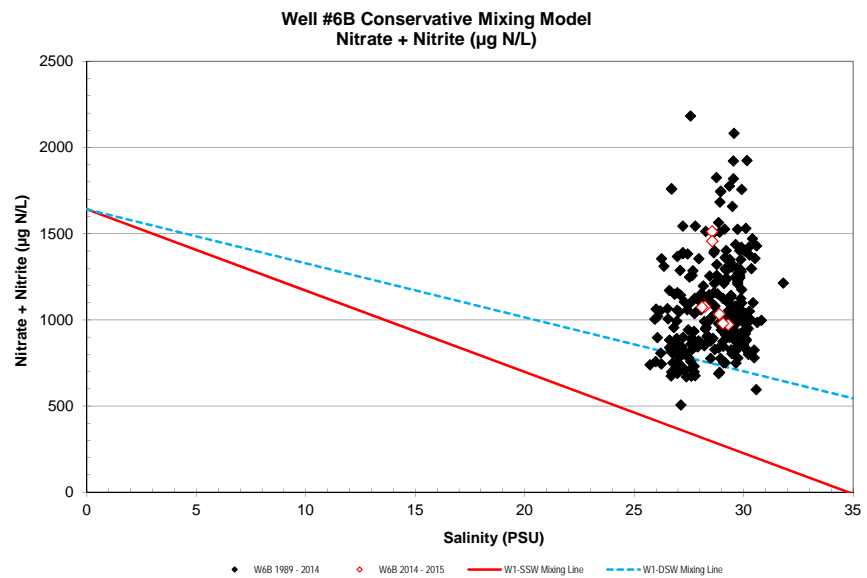
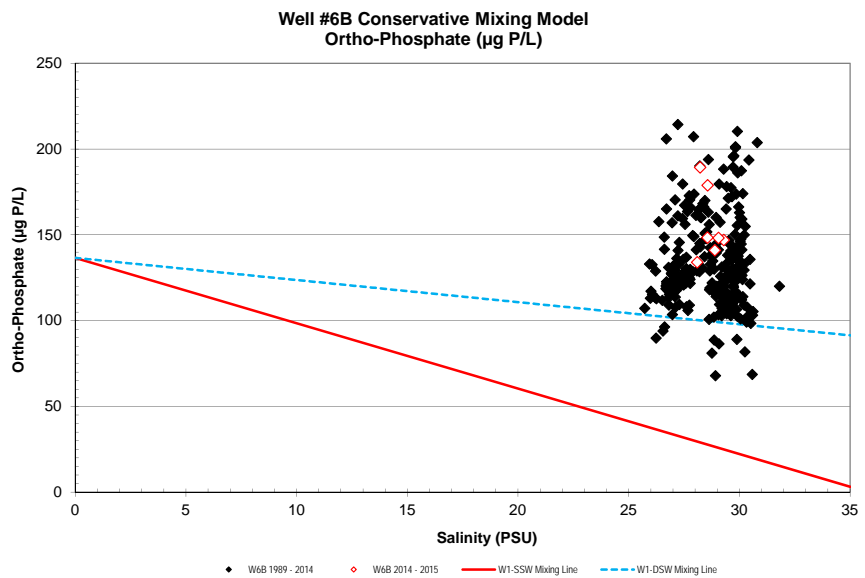
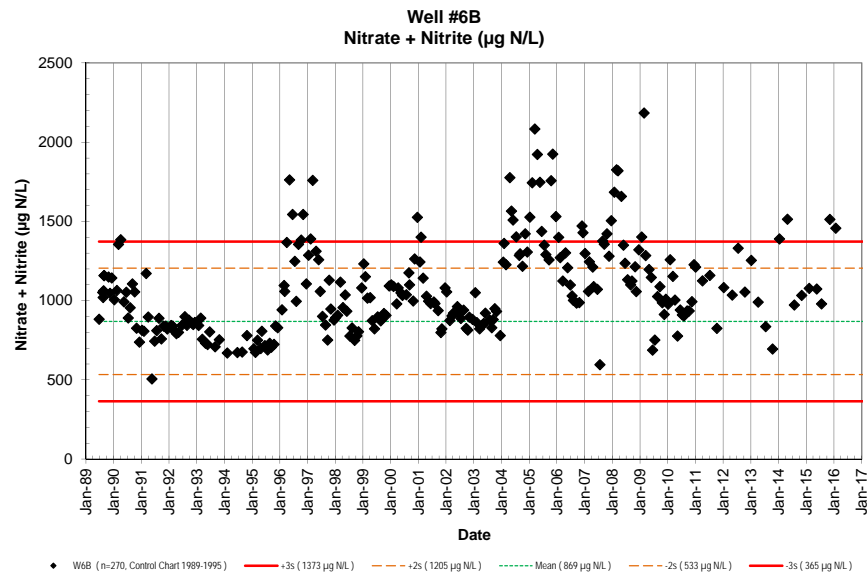
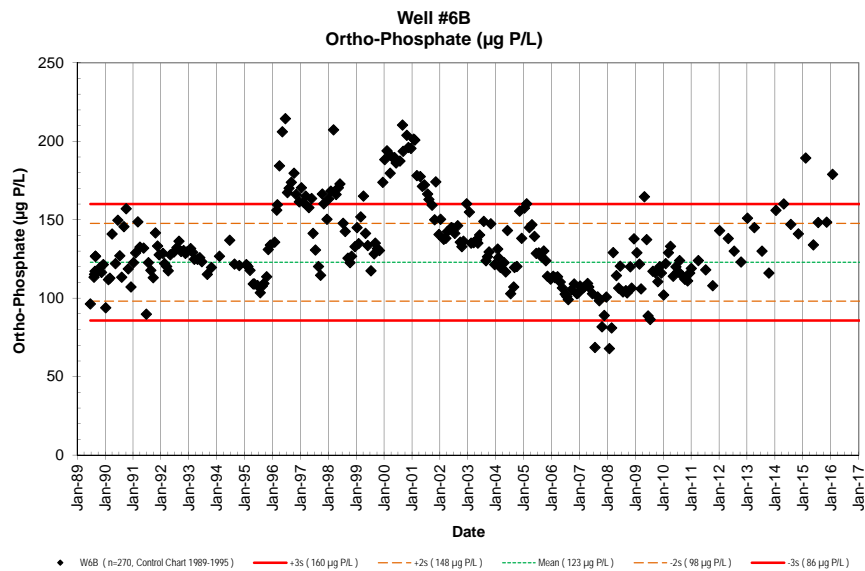
6/23/1989 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.			
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml			
W6B	-8.53	7/13/10	1458	-2.27	0.40	Flood	3.78	117	65.0	910	0.64	9	220	6192			19.4	7.76	29.19	5.44	0.36	
W6B	-8.53	8/3/10	1459	-2.19	0.40	Ebb	4.00	124	64.5	904	0.28	3.9	206	5780			19.5	7.78	29.39	5.62	0.30	
W6B	-8.53	9/14/10	1510	-2.34	0.30	Ebb	3.68	114	66.8	935	0.29	4.1	207	5821			19.9	7.75	29.42	5.42	0.66	
W6B	-8.53	10/12/10	1533	-2.41	0.18	Low	3.62	112	66.8	935	0.68	9.5	201	5637			19.9	7.75	29.35	5.21	0.19	
W6B	-8.53	11/16/10	1423	-2.18	0.34	Ebb	3.58	111	70.9	993	0.16	2.3	199	5597			19.9	7.75	29.74	5.42	0.28	
W6B	-8.53	12/14/10	1450	-2.45	0.12	Ebb	3.75	116	87.6	1227	0.09	1.2	175	4902			19.7	7.77	29.17	5.45	0.16	
W6B	-8.53	1/4/11	1433	-2.45	0.15	Flood	3.84	119	86.5	1211	0.48	6.7	192	5396			19.3	7.71	28.67	5.65	0.37	
W6B	-8.53	4/5/11	1452	-2.31	0.34	Flood	4.00	124	80.3	1125	0.13	1.8	192	5396			17.0	7.72	27.77	5.57	0.20	
W6B	-8.53	7/11/11	1152	-2.22	0.49	Flood	3.81	118	82.7	1159	0.14	2.0	214	5997			18.6	7.70	28.65	5.69	0.27	
W6B	-8.53	10/11/11	1336	-2.32	0.34	Flood	3.49	108	58.9	825	0.28	3.9	201	5653			19.5	7.67	29.43	4.03	0.29	
W6B	-8.53	1/9/12	1445	-2.67	0.15	Flood	4.62	143	77.2	1082	0.11	1.5	198	5569			18.9	7.70	28.24	3.32	0.11	
W6B	-8.53	4/30/12	1503	-2.36	0.24	ebb	4.46	138	73.9	1035	0.06	0.9	214	6023			17.0	7.60	28.70	4.95	0.21	
W6B	-8.53	7/17/12	1522	-1.92	0.73	Flood	4.20	130	95.0	1331	0.22	3.1	210	5890			17.6	7.47	29.40	3.58	0.51	
W6B	-8.53	10/15/12	1332	-2.37	0.24	Flood	3.97	123	75.2	1054	0.07	1.0	219	6153			17.8	7.44	29.31	2.16	0.24	
W6B	-8.53	1/7/13	1418	-2.39	0.18	Ebb	4.88	151	89.5	1254	0.44	6.2	264	7426			17.6	7.49	28.45	4.75	0.08	
W6B	-8.53	4/8/13	1339	-2.25	0.37	Flood	4.68	145	70.7	990	0.31	4.3	221	6210			16.5	7.51	28.21	4.22	0.18	
W6B	-8.53	7/16/13	1622	-2.37	0.30	Ebb	4.20	130	59.7	836	0.18	2.5	230	6449			17.7	7.44	28.86	2.84	0.30	
W6B	-8.53	10/14/13	1701	-2.37	0.18	Ebb	3.75	116	49.6	695	0.32	4.5	219	6144			18.4	7.50	28.90	3.28	0.18	
W6B	-8.53	1/14/14	1554	-2.31	0.18	Ebb	5.04	156	99.2	1389	0.39	5.4	220	6170			18.0	7.56	28.64	4.38	0.93	
W6B	-8.53	4/28/14	1551	-2.01	0.52	Flood	5.17	160	108.0	1513	0.37	5.2	206	5782			18.3	7.68	28.27	3.55	0.10	
W6B	-8.53	7/28/14	15.49	-2.07	0.49	Flood	4.75	147	69.4	972	0.14	2	207	5827			18.3	7.53	29.30	3.95	0.12	
W6B	-8.53	11/3/14	13.15	-2.04	0.46	High	4.55	141	73.8	1033	0.09	1.3	196	5512			18.9	7.55	28.89	4.57	0.21	
W6B	-8.53	2/9/15	1713	-2.35	0.18	Low	6.11	189	76.9	1077	0.45	6.3	183	5152			17.6	7.54	28.23	5.17	0.13	
W6B	-8.53	5/19/15	1034	-2.33	-0.06	Low	4.33	134	76.6	1073	0.74	10.3	210	5898			18.0	7.57	28.10	4.25	0.02	
W6B	-8.53	7/21/15	1328	-2.51	0.18	Low	4.78	148	69.9	979	0.02	0.3	210	5906			18.7	7.41	29.06	3.02	0.07	
W6B	-8.53	11/9/15	1053	-2.28	0.25	Flood	4.79	148	108.0	1513	0.26	3.6	193	5430			20.3	7.44	28.56	3.81	0.18	
W6B	-8.53	1/26/16	1048	-2.49	0.07	Low	5.78	179	104.0	1457	0.02	0.3	202	5660			20.3	7.44	28.57	3.45	0.07	
W6B	-8.53	4/1/16																				

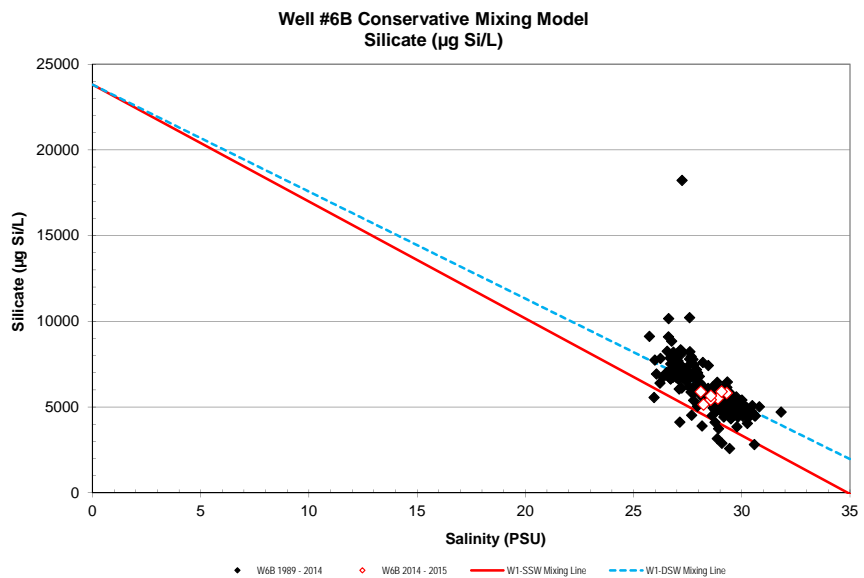
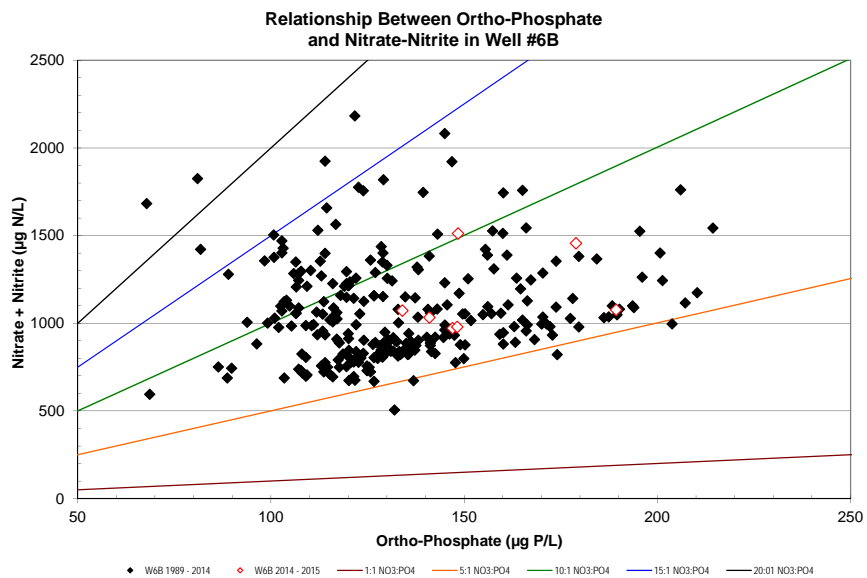
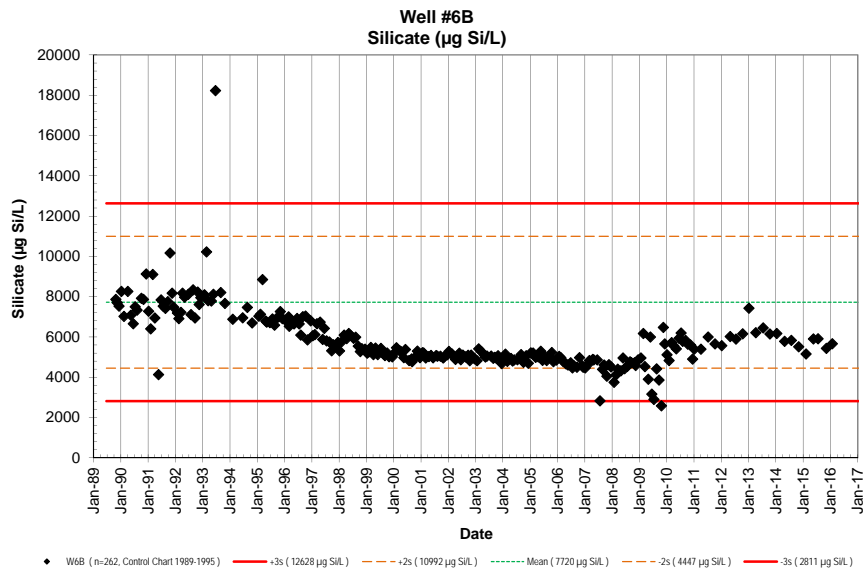
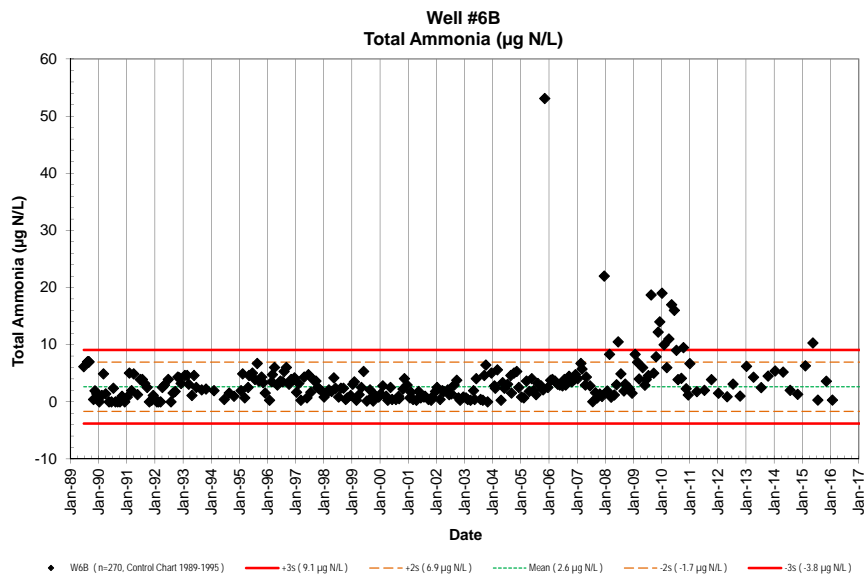
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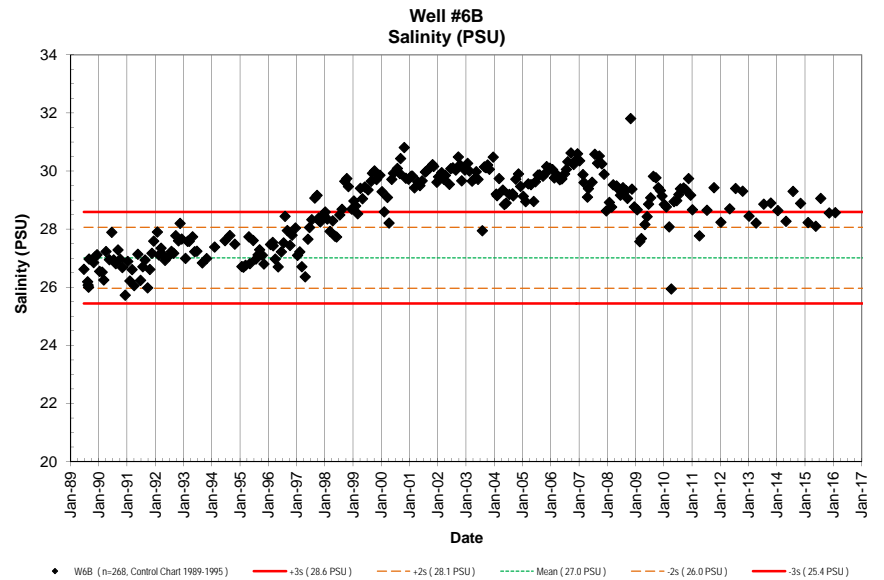
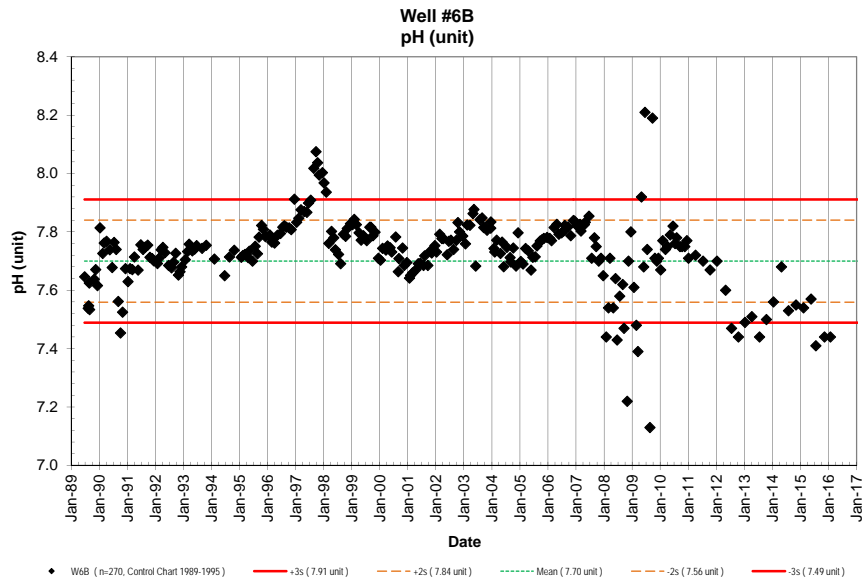
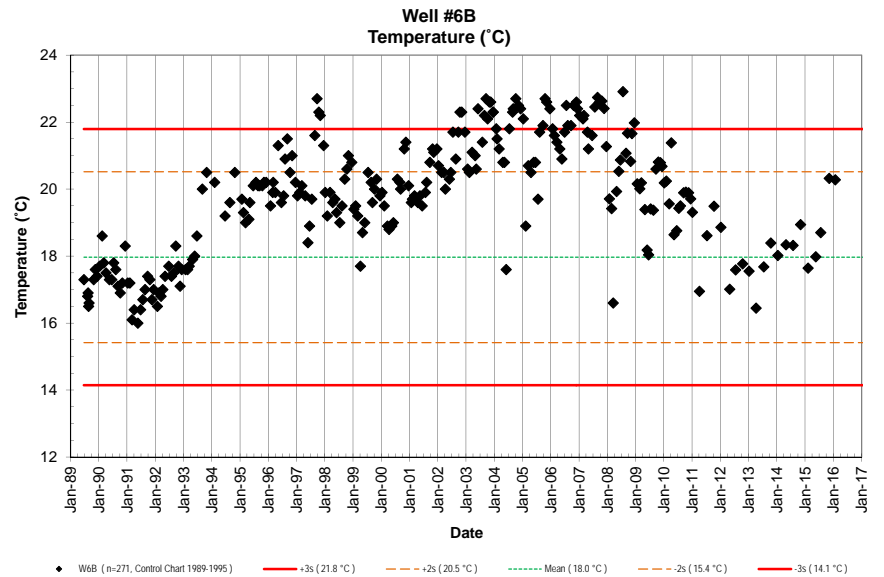
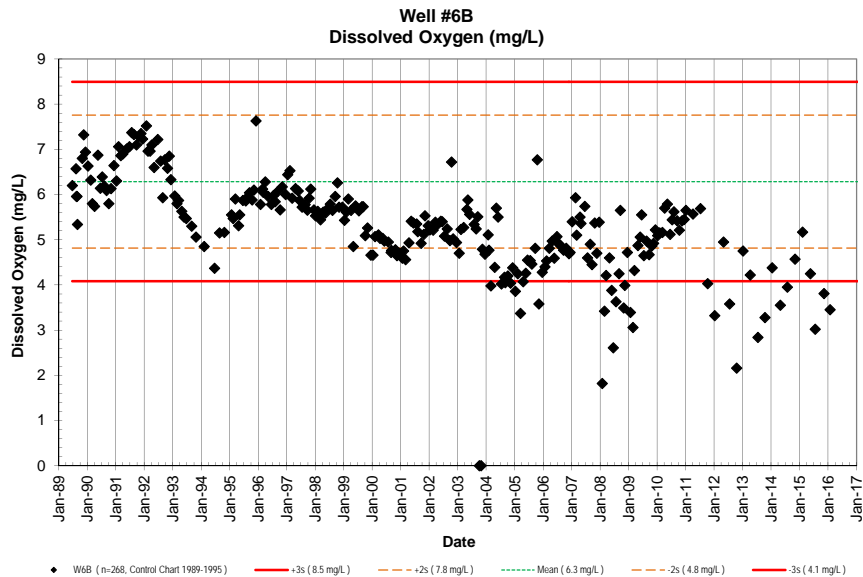
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 Well 6B
 6/23/1989 - 4/4/2016



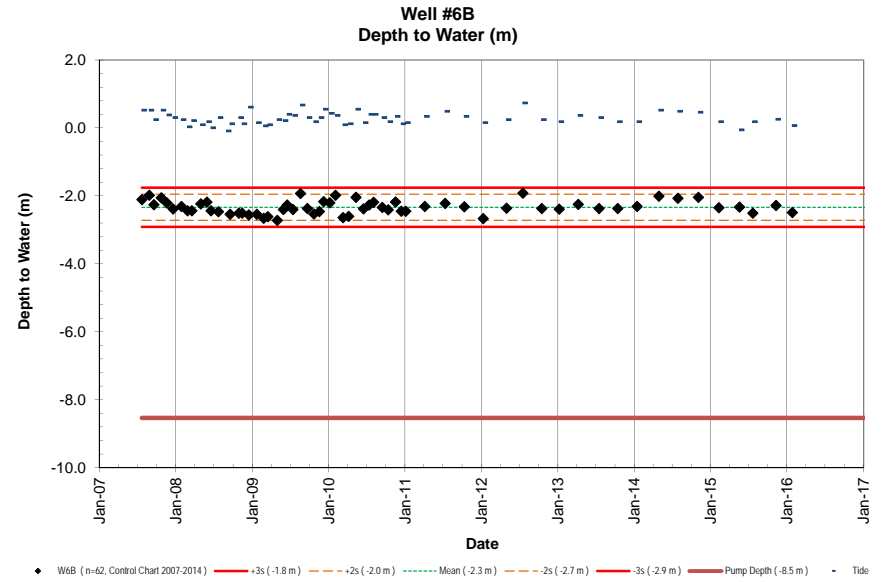
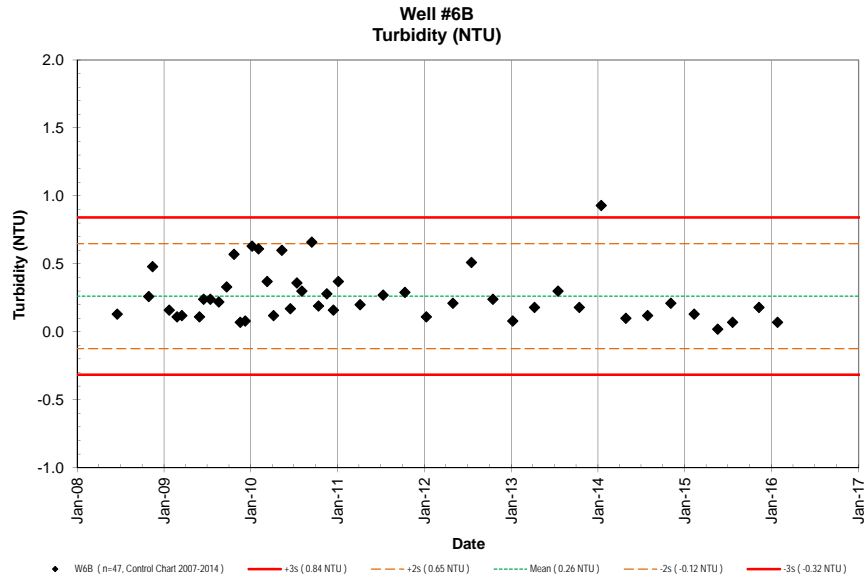
NELHA Water Quality Laboratory

Well 6B

6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory
 Well 6B
 6/23/1989 - 4/4/2016



NELHA Water Quality Laboratory

Well 7 Data Table

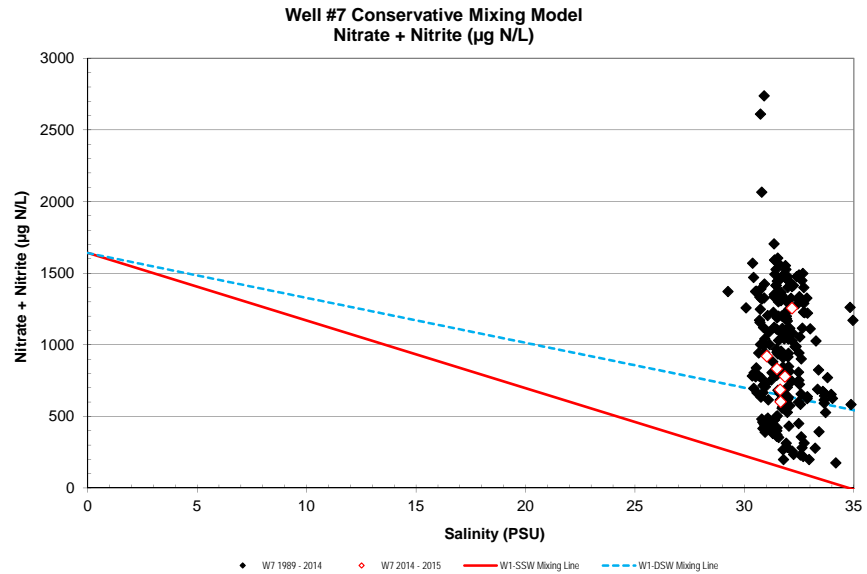
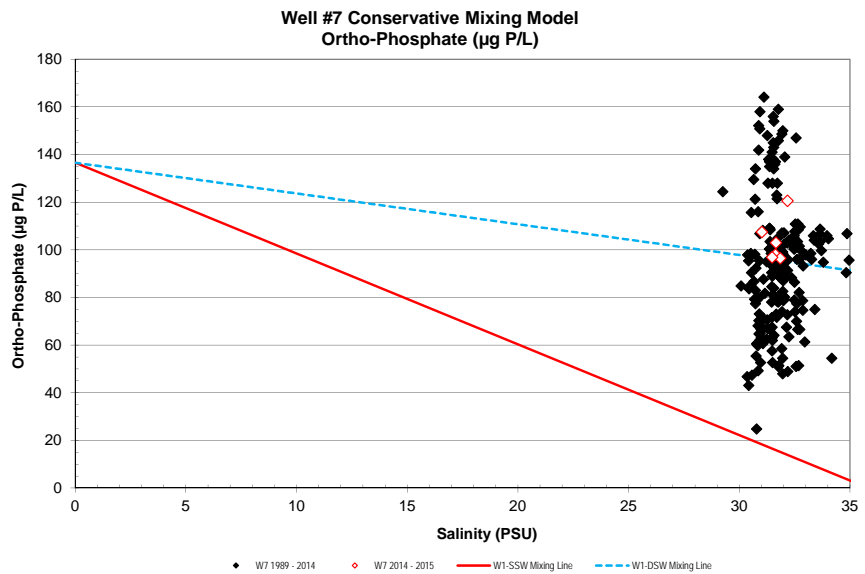
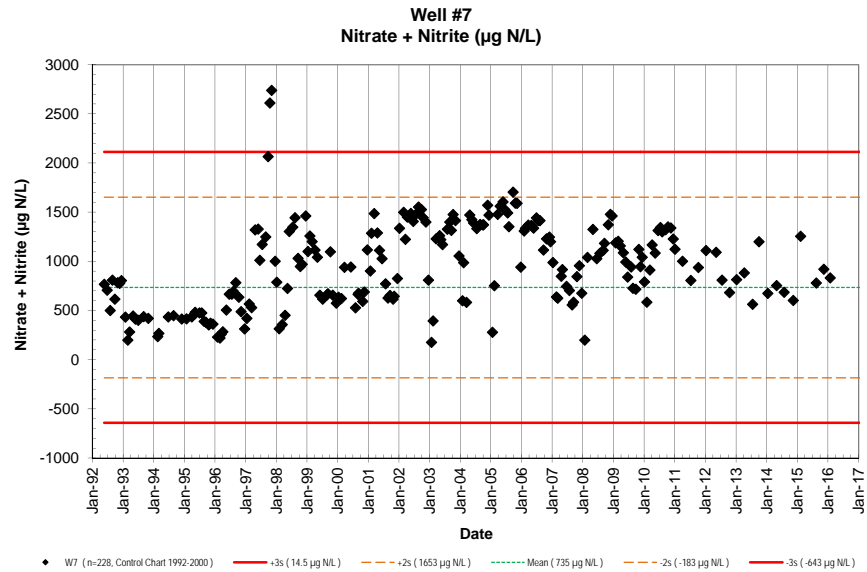
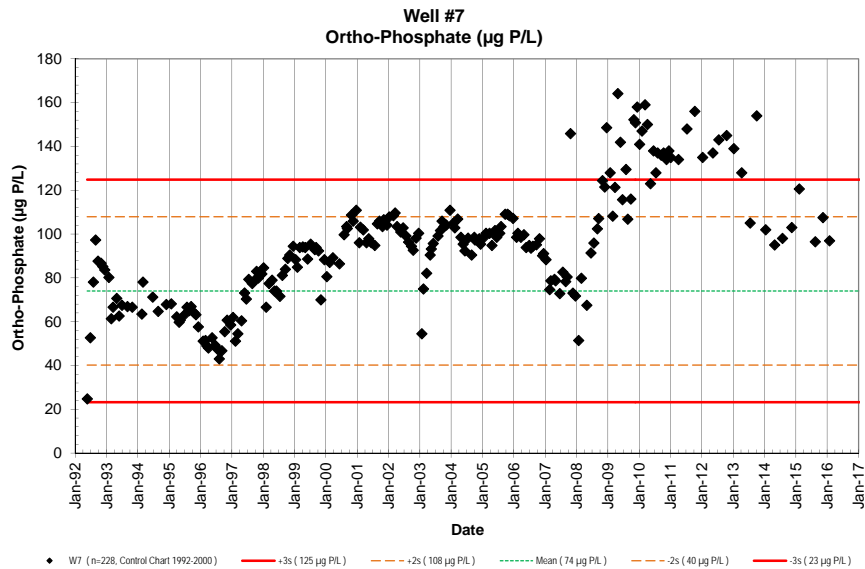
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml
W7	-17.68	8/14/15	1053		0.09	Flood	3.12	97	55.6	779	0.72	10.1	114	3204						20.1	7.57	31.85	4.13	0.02		
W7	-17.68	11/13/15	1003		0.15	Low	3.47	108	65.7	921	0.07	1.0	123	3447						21.3	7.79	31.02	3.62	0.08		
W7	-17.68	1/27/16	1628		0.30	Flood	3.13	97	59.4	832	0.02	0.3	121	3405						20.7	7.82	31.48	4.60	0.13		
W7	-17.68	4/1/16																								

NELHA Water Quality Laboratory

Well 7

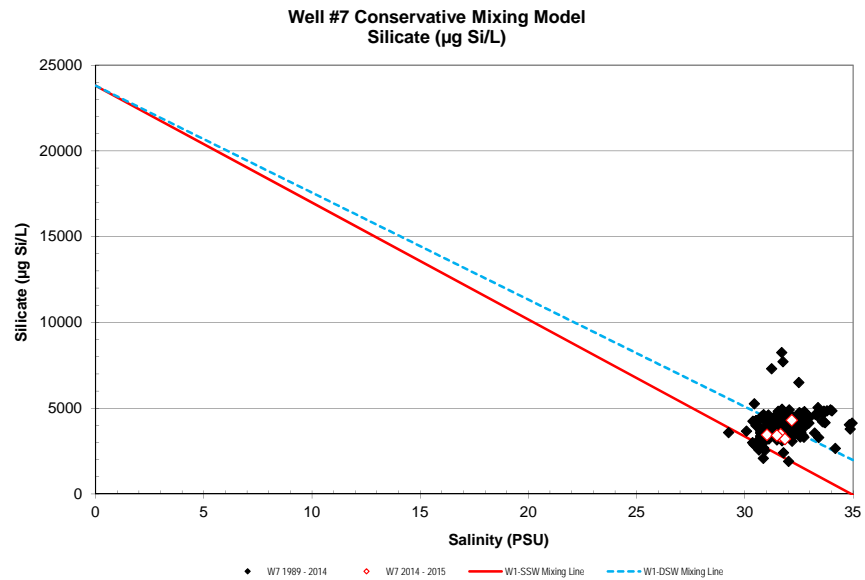
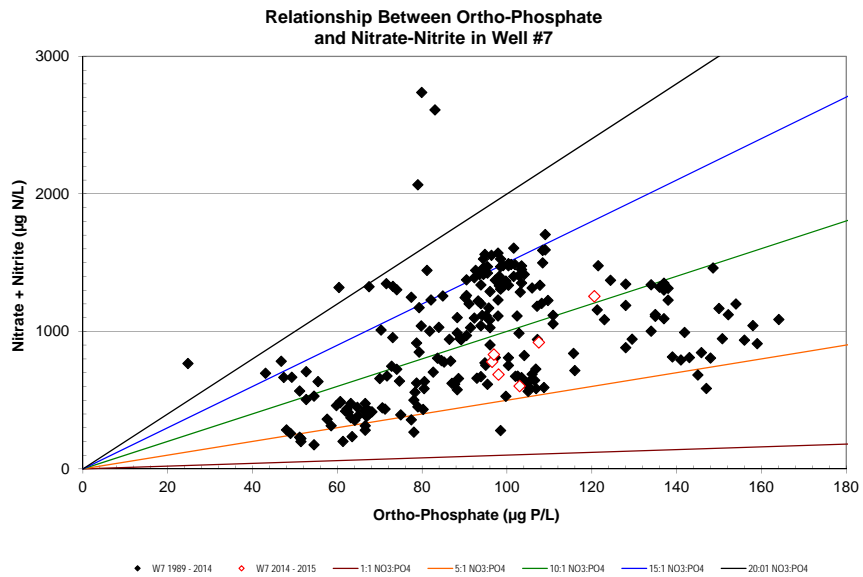
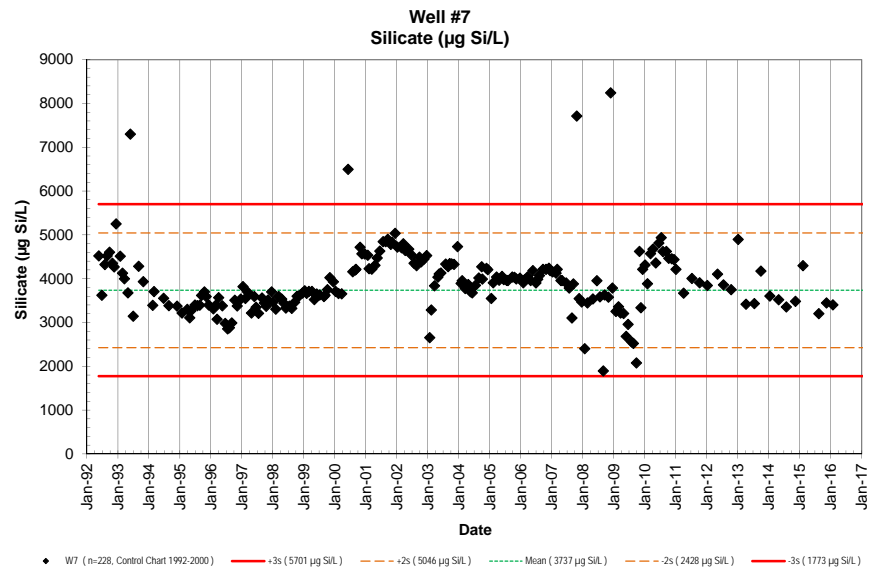
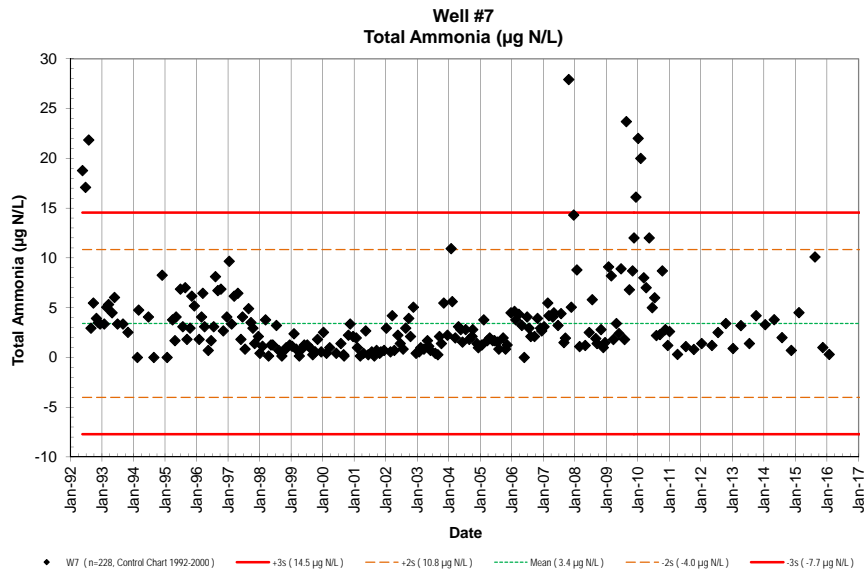
5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 7

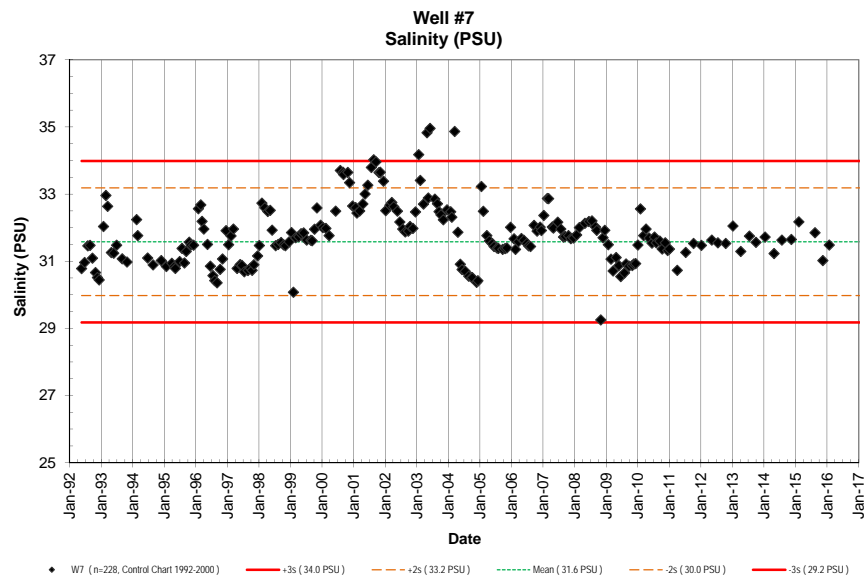
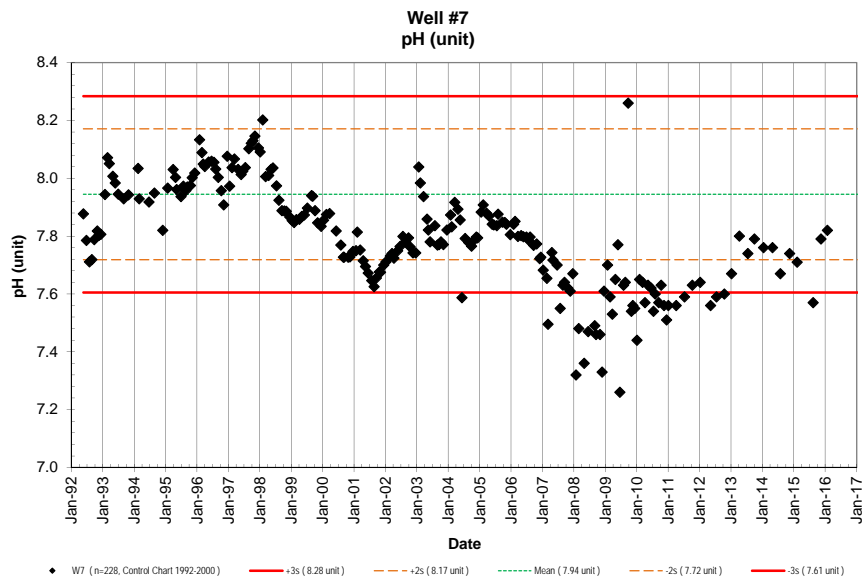
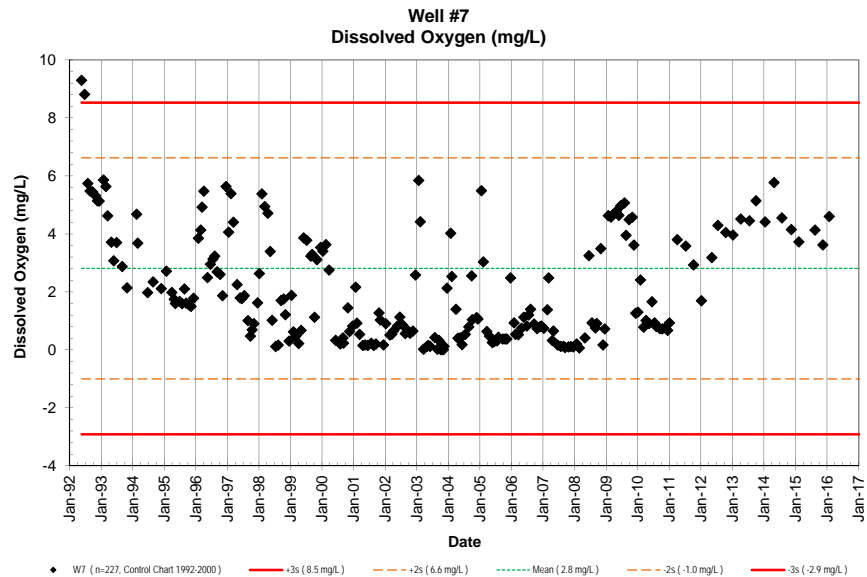
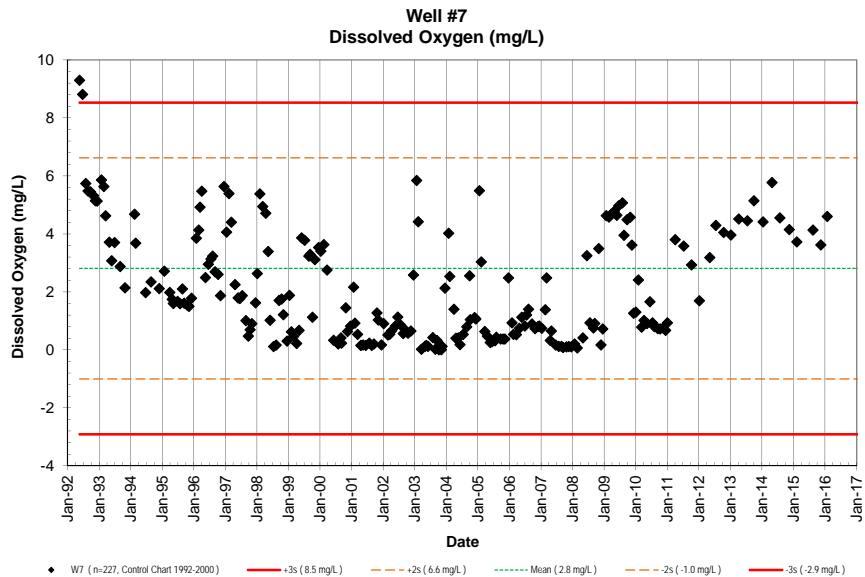
5/20/1992 - 4/4/2016

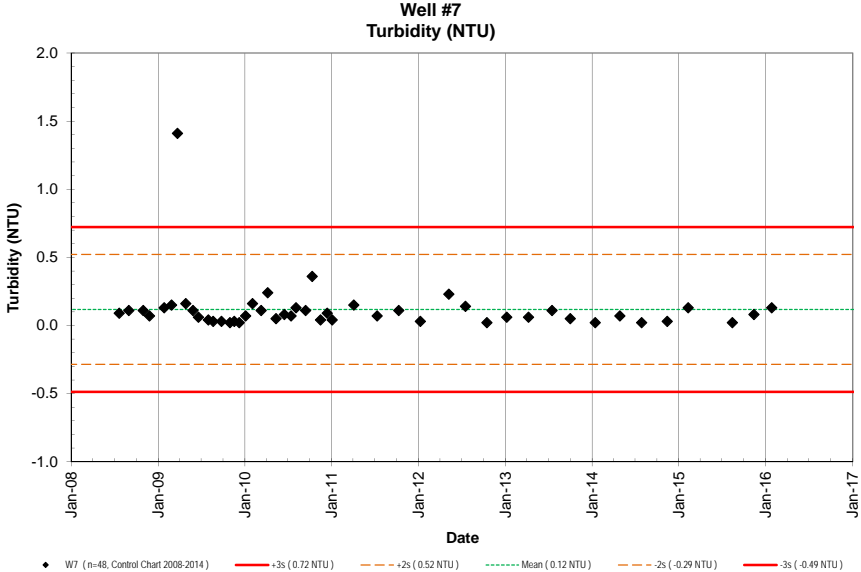


NELHA Water Quality Laboratory

Well 7

5/20/1992 - 4/4/2016





NELHA Water Quality Laboratory

Well 7A Data Table

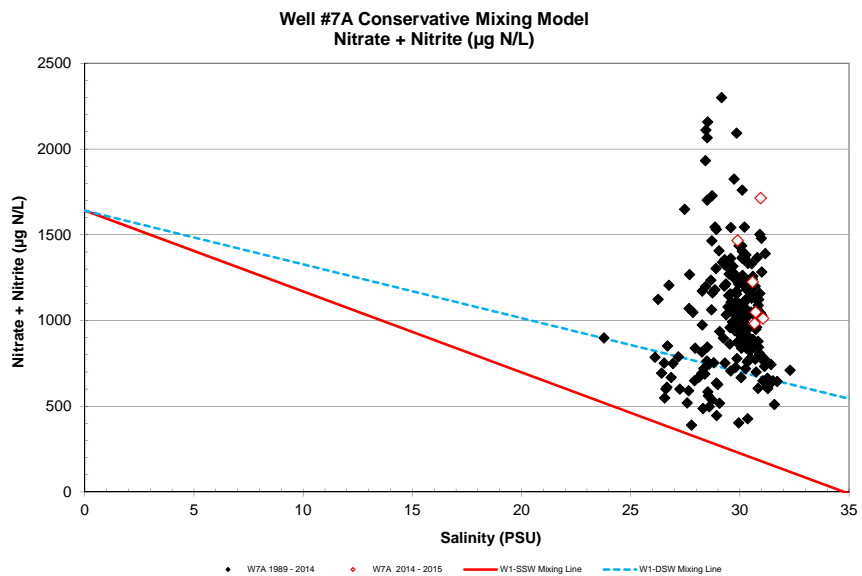
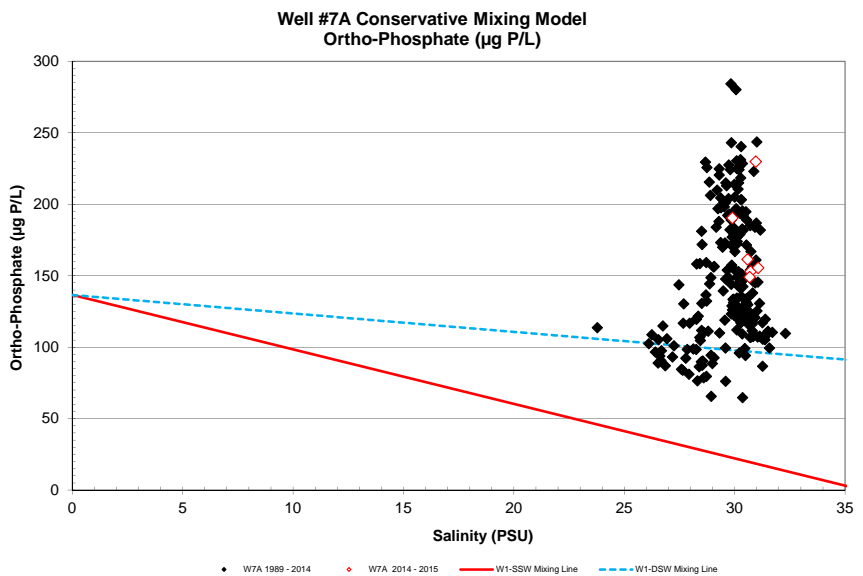
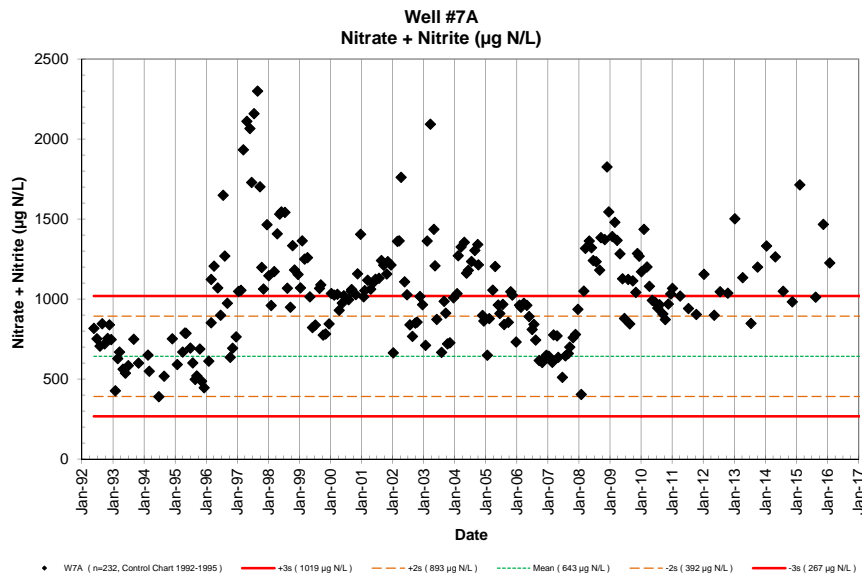
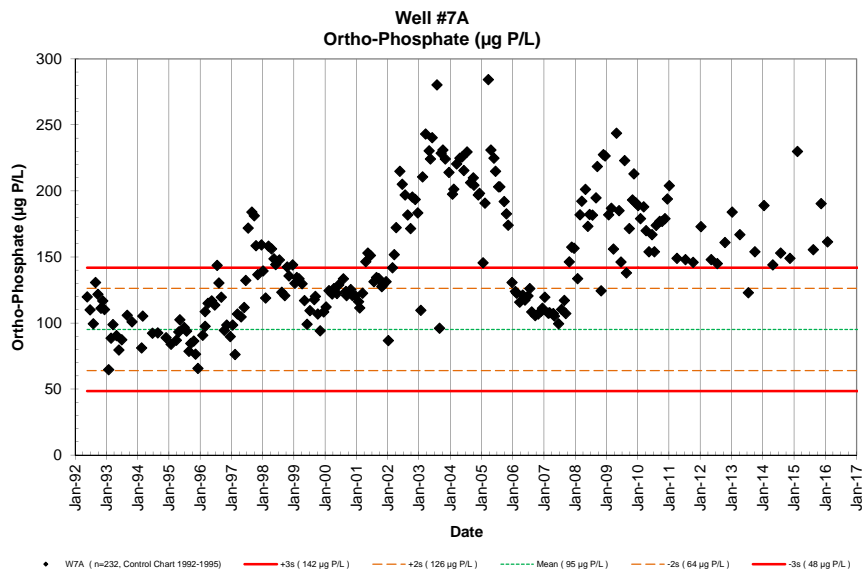
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W7A	-10.36	8/14/15	1047		0.09	Flood	5.02	156	72.3	1012	0.49	6.9	133	3735						20.7	7.53	31.06	4.65	0.05		
W7A	-10.36	11/13/15	952		0.15	Low	6.15	191	104.7	1467	0.18	2.5	146	4114						21.8	7.61	29.89	2.07	0.07		
W7A	-10.36	1/27/16	1610		0.3	Flood	5.21	162	87.5	1226	0.14	1.9	140	3932						20.5	7.67	30.58	3.52	0.03		
W7A	-10.36	4/1/16																								

NELHA Water Quality Laboratory

Well 7A

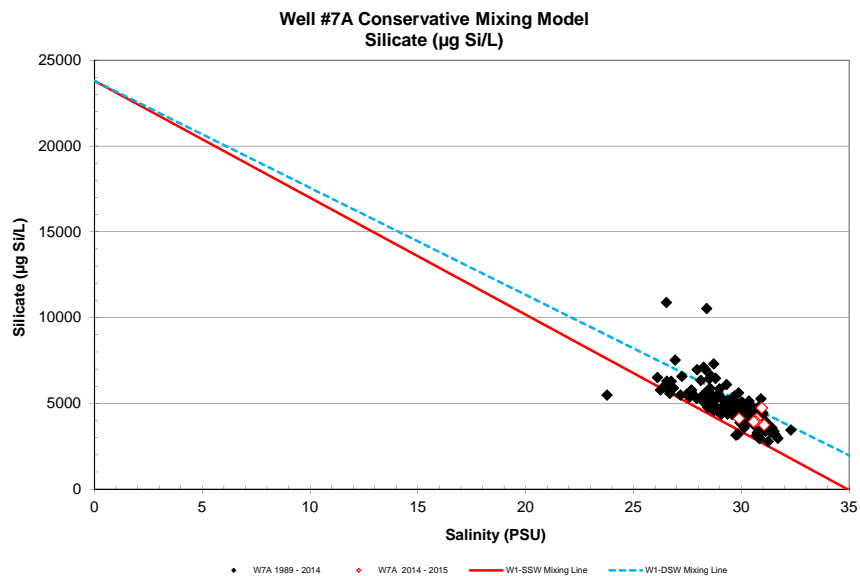
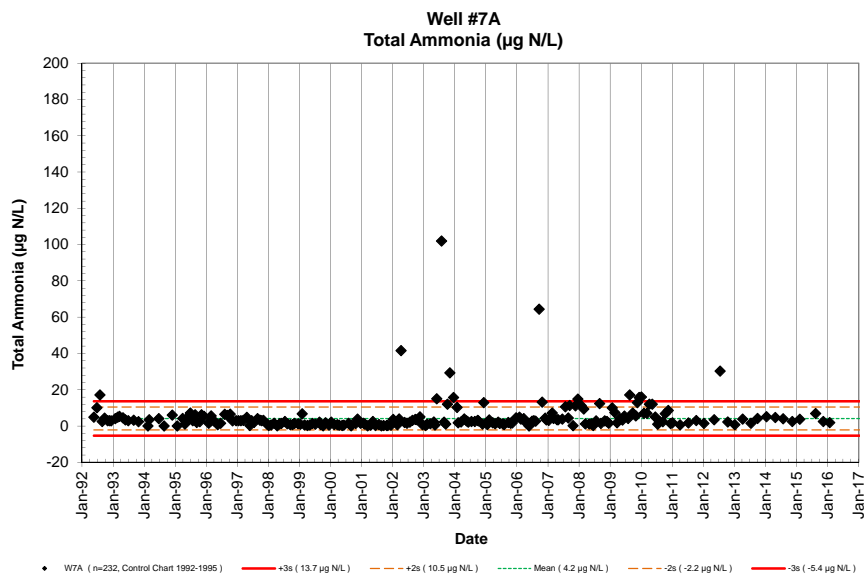
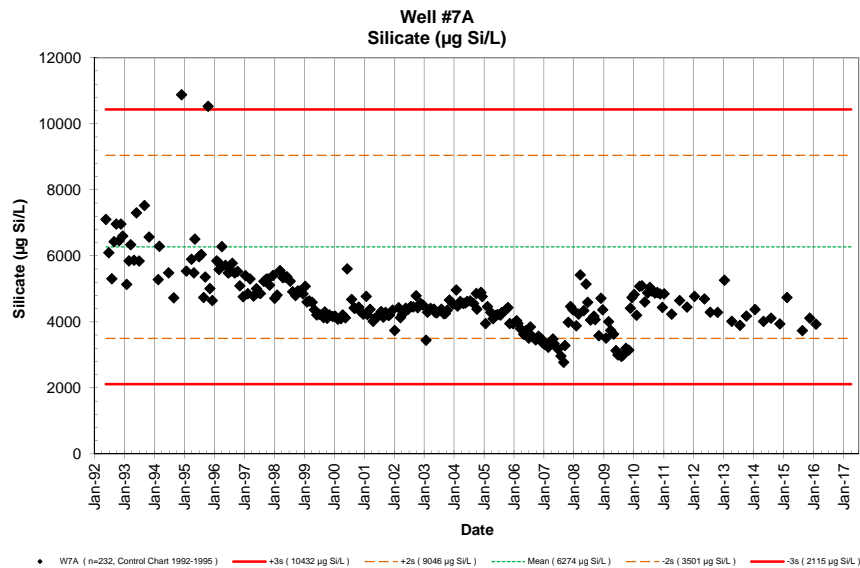
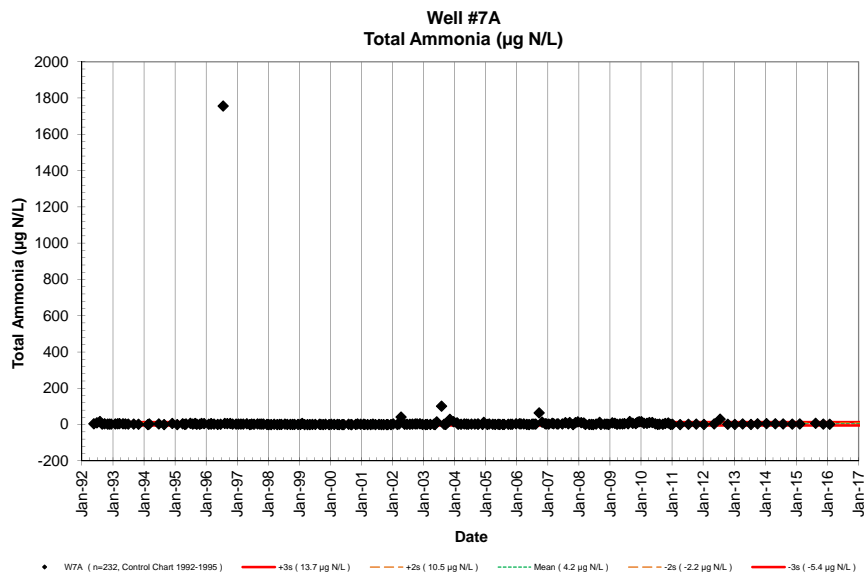
5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 7A

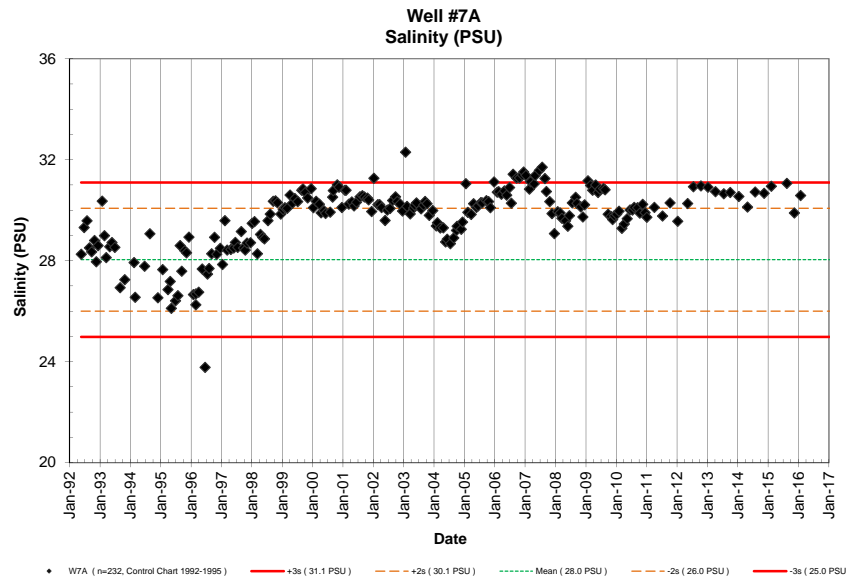
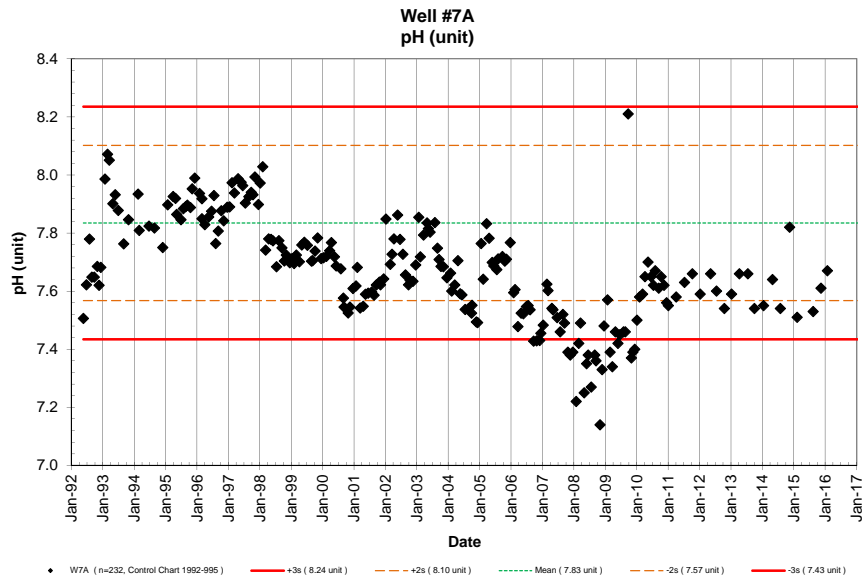
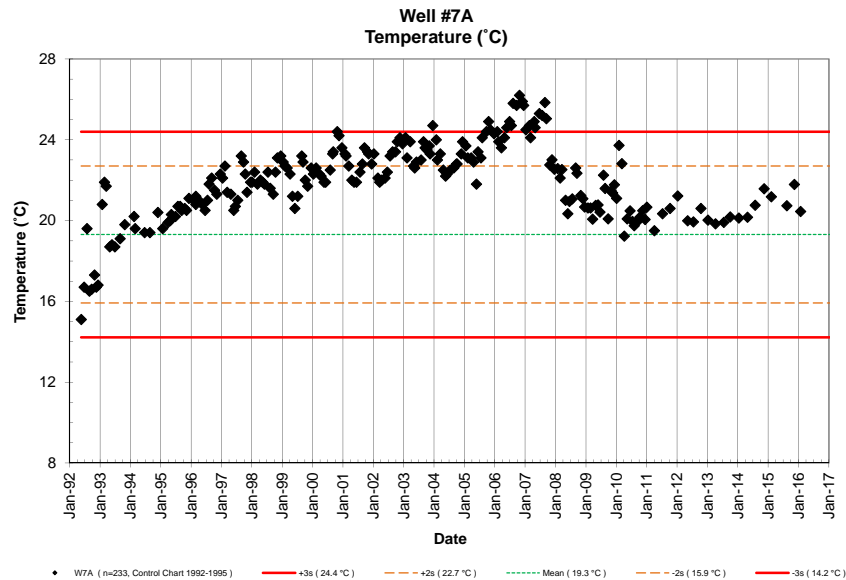
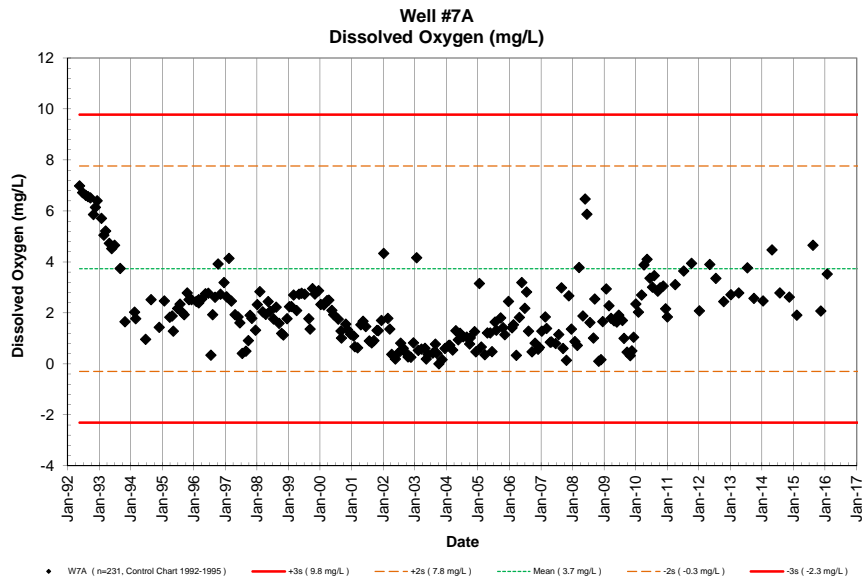
5/20/1992 - 4/4/2016



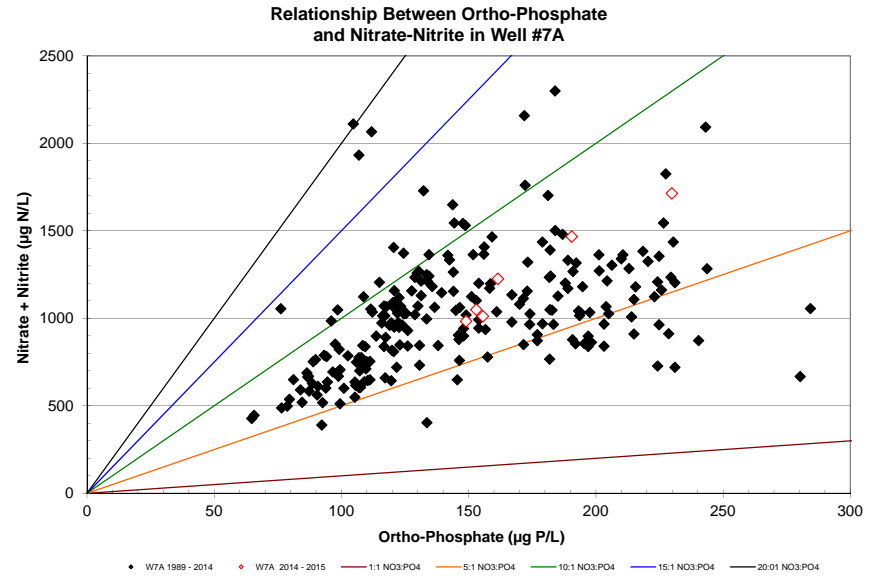
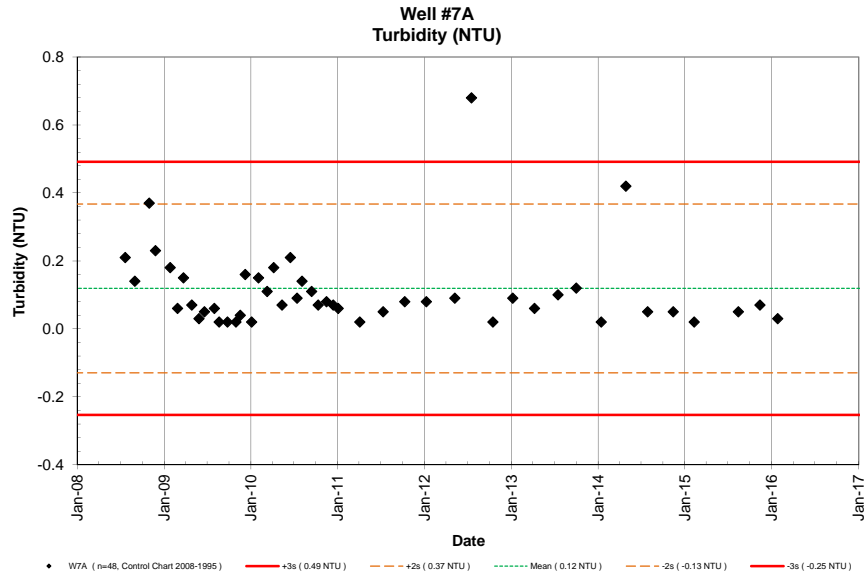
NELHA Water Quality Laboratory

Well 7A

5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory
 Well 7A
 5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 7B Data Table

5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L) (mgC/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml	
W7B	-6.1	7/25/07	1234		1.80 Flood	4.59	142	55.8	782	0.10	1.4	255	7166	4.57	141.5	55.8	782.1			
W7B	-6.1	8/27/07	1152		0.80 Flood	5.66	175	64.7	906	0.21	2.9	275	7728	5.35	165.6	67.3	942.3			
W7B	-6.1	9/13/07	1608		1.30 Flood	4.61	143	54.7	766	0.29	4.0	266	7480	4.92	152.3	61.7	863.9			
W7B	-6.1	10/23/07	1103		1.25 Flood	2.44	75	69.6	975	0.19	2.6	112	3146	2.47	76.5	65.7	920.1			
W7B	-6.1	11/20/07	1141		1.40 Flood	4.84	150	58.0	812	0.00	0.1	265	7443	4.48	138.7	64.0	896.2			
W7B	-6.1	12/19/07	1132		1.00 High	4.62	143	59.9	839	0.78	10.9	252	7079							
W7B	-6.1	1/25/08	826		1.40 Ebb	4.28	133	40.9	573	0.14	1.9	228	6400							
W7B	-6.1	2/26/08	1017		0.30 Ebb	5.48	170	74.6	1045	0.84	11.8	273	7665							
W7B	-6.1	3/17/08	1224		0.60 Flood	4.95	153	61.6	864	0.39	5.4	291	8169							
W7B	-6.1	4/30/08	1143		0.90 Flood	4.98	154	81.3	1139	0.09	1.2	240	6741							
W7B	-6.1	5/27/08	1129		0.80 High	4.58	142	79.0	1106	0.09	1.2	290	8140							
W7B	-6.1	6/16/08	1157		1.00 Flood	4.73	146	77.1	1080	0.11	1.5	264	7404							
W7B	-6.1	7/21/08	1126		0.30 Low	4.61	143	78.3	1097	0.20	2.8	311	8722							
W7B	-6.1	8/30/08	1424		1.90 Flood	3.90	121	66.2	927	0.24	3.3	221	6209							
W7B	-6.1	9/15/08	1145		0.40 Flood	5.61	174	85.7	1200	0.10	1.4	282	7929							
W7B	-6.1	10/30/08	1057		0.50 Low	5.73	177	100.9	1413	0.24	3.4	280	7877							
W7B	-6.1	11/25/08	1030		0.50 Low	5.32	165	108.0	1512	0.19	2.7	294	8244							
W7B	-6.1	12/16/08	1023		1.30 Ebb	6.42	199	110.5	1547	0.11	1.5	225	6315							
W7B	-6.1	1/26/09	1401		0.50 Flood	5.07	157	111.1	1556	0.76	10.7	231	6499							
W7B	-6.1	2/26/09	1040		0.10 Low	5.19	161	113.7	1592	0.89	12.4	262	7359							
W7B	-6.1	3/23/09	1004		0.20 Flood	4.83	150	92.7	1299	0.13	1.8	267	7486							
W7B	-6.1	4/27/09	1010		-0.20 Ebb	6.50	201	95.3	1335	0.42	5.9	242	6811							
W7B	-6.1	5/27/09	1352		0.50 Flood	5.32	165	87.3	1222	0.22	3.1	368	10344							
W7B	-6.1	6/19/09	1014		0.90 Flood	3.73	116	61.3	859	0.31	4.3	211	5912							
W7B	-6.1	7/31/09	950		1.50 Flood	4.66	144	80.2	1124	0.40	5.6	180	5047							
W7B	-6.1	8/20/09	1103		0.30 Flood	4.60	143	79.2	1110	0.78	10.9	245	6880							
W7B	-6.1	9/24/09	1003		1.70 Ebb	4.94	153	80.8	1132	0.51	7.2	232	6503							
W7B	-6.1	10/30/09	1117		0.70 Flood	4.55	141	59.6	835	0.42	5.9	104	2916							
W7B	-6.1	11/17/09	1103		0.40 Low	4.98	154	79.1	1108	0.96	13.4	292	8192							
W7B	-6.1	12/8/09	1530		0.30 Ebb	5.13	159	90.2	1263	1.08	15.1	256	7200							
W7B	-6.1	1/4/10	1530		-0.10 Low	4.97	154	79.4	1112	1.36	19.0	271	7623							
W7B	-6.1	2/2/10	1550		-0.20 Low	4.81	149	108.0	1513	3.07	43.0	226	6354							
W7B	-6.1	3/10/10	1419		0.70 High	5.88	182	105.1	1472	0.36	5.0	271	7610							
W7B	-6.1	4/7/10	1210		0.70 High	5.94	184	97.5	1366	0.71	10.0	276	7741							
W7B	-6.1	5/12/10	1330		1.50 Flood	5.23	162	81.9	1147	1.07	15.0	307	8609							
W7B	-6.1	6/16/10	1145		0.30 Low	5.59	173	91.0	1274	0.43	6.0	321	9007							
W7B	-6.1	7/14/10	929		0.50 Ebb	5.39	167	89.1	1248	0.50	7.0	312	8776							
W7B	-6.1	8/4/10	1008		1.60 Flood	6.07	188	92.1	1290	0.76	10.6	274	7690							
W7B	-6.1	9/13/10	1542		0.70 Low	5.88	182	87.1	1220	0.39	5.4	302	8472							
W7B	-6.1	10/11/10	1053		1.40 Ebb	6.13	190	87.0	1218	0.33	4.6	292	8208							
W7B	-6.1	11/15/10	1211		1.30 High	6.17	191	91.0	1274	0.52	7.3	273	7657							
W7B	-6.1	12/13/10	948		1.30 High	6.10	189	88.2	1235	0.09	1.3	284	7967							
W7B	-6.1	1/3/11	1404		0.50 Flood	6.10	189	88.1	1234	0.07	1.0	275	7726							
W7B	-6.1	4/4/11	1450		1.10 Flood	5.17	160	92.5	1295	0.09	1.2	216	6064							
W7B	-6.1	7/11/11	1405		2.40 High	5.75	178	91.9	1287	0.24	3.3	266	7484							
W7B	-6.1	10/10/11	1301		1.10 Flood	5.49	170	76.6	1073	0.14	2.0	272	7634							
W7B	-6.1	1/9/12	1331		0.20 Flood	5.65	175	85.0	1190	0.16	2.3	262	7351							
W7B	-6.1	5/8/12	1426		0.80 Flood	5.55	172	73.2	1025	0.37	5.2	276	7742							
W7B	-6.1	7/17/12	1333		1.90 Flood	5.81	180	94.0	1316	0.32	4.5	251	7056							
W7B	-6.1	10/15/12	1134		0.20 Flood	5.81	180	83.5	1169	0.11	1.5	279	7848							
W7B	-6.1	1/7/13	1233		0.80 High	6.07	188	111.2	1558	0.23	3.2	290	8143							
W7B	-6.1	4/8/13	1209		0.50 Flood	5.94	184	93.9	1315	0.29	4.1	253	7096							
W7B	-6.1	7/16/13	1426		1.20 Ebb	5.52	171	88.2	1236	0.22	3.1	276	7738							
W7B	-6.1	10/1/13	1552		1.00 Ebb	5.46	169	111.7	1565	0.44	6.2	264	7407							
W7B	-6.1	1/14/14	1450		0.70 High	5.81	180	98.1	1374	0.31	4.3	244	6853							
W7B	-6.1	4/28/14	1728		0.58 High	5.49	170	97.2	1361	0.26	3.6	250	7020							
W7B	-6.1	7/28/14	1448		0.49 Flood	5.26	163	98.7	1383	0.21	3.0	249	7004							
W7B	-6.1	11/13/14	1138		0.37 Flood	5.91	183	86.3	1209	0.07	1.0	244	6845							
W7B	-6.1	2/9/15	1542		0.30 Low	8.11	251	122.5	1716	0.26	3.7	202	5686							
W7B	-6.1	4/1/15			No sample															

NELHA Water Quality Laboratory

Well 7B Data Table

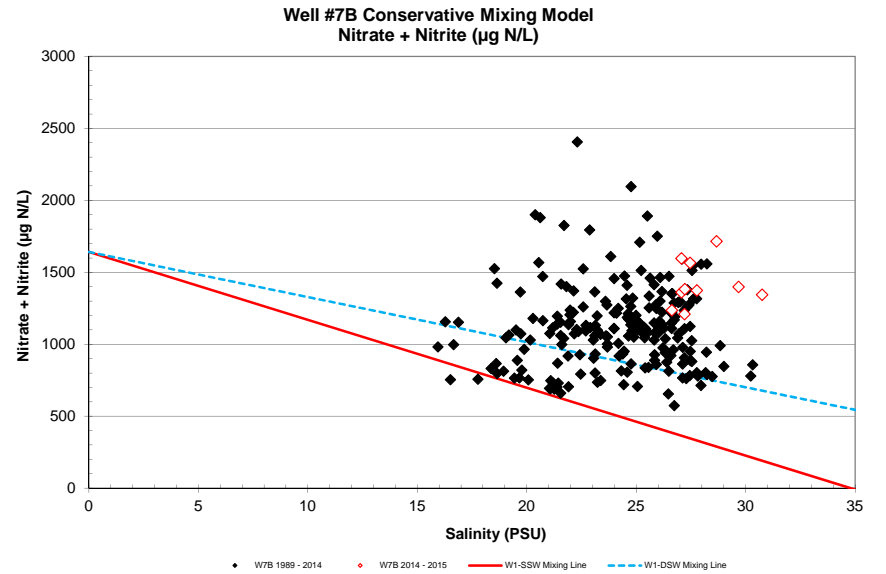
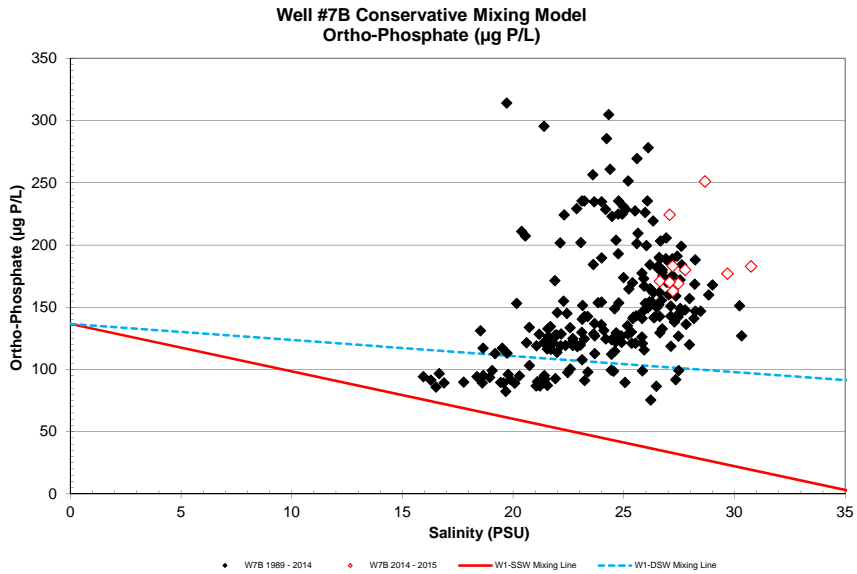
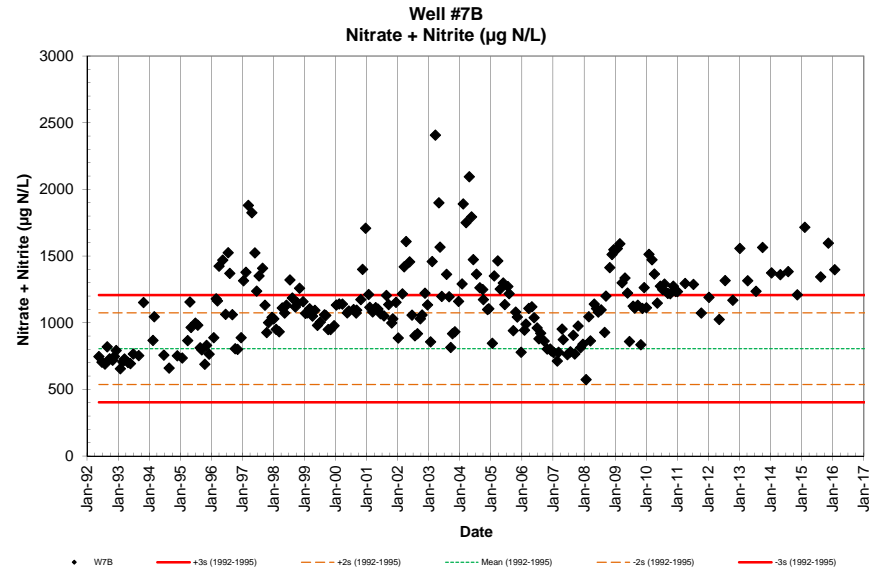
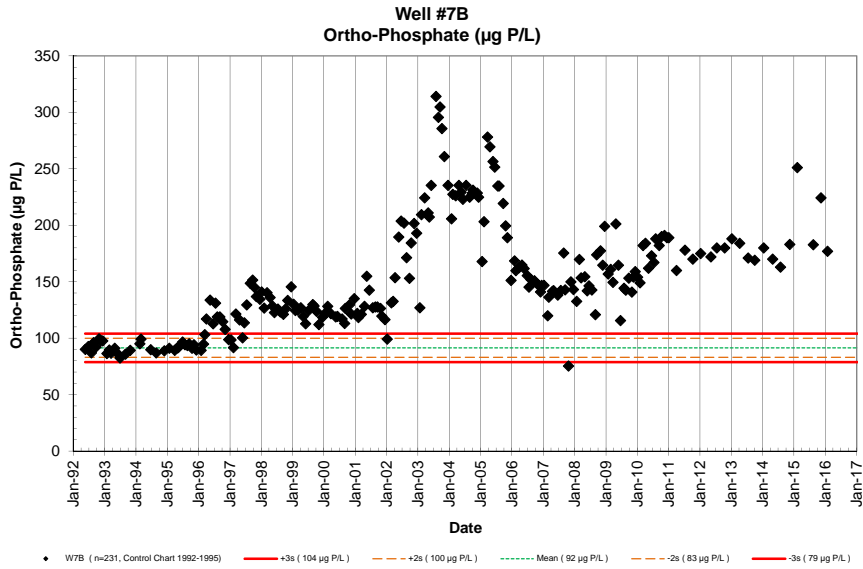
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enteroc.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(ppt)	(ppm)	NTU	CFU/100ml	CFU/100ml
W7B	-6.1	8/14/15	1059		0.09	Flood	5.90	183	96.0	1344	0.83	11.6	255	7175						24.9	7.62	30.75	4.77	0.33		
W7B	-6.1	11/13/15	942		0.15	Low	7.24	224	114.0	1597	0.14	1.9	266	7473						24.6	7.64	27.07	2.65	0.31		
W7B	-6.1	1/27/16	1649		0.3	Flood	5.71	177	99.8	1398	0.06	0.9	185	5195						23.2	7.68	29.68	5.91	0.48		
W7B	-6.1	4/1/16																								

NELHA Water Quality Laboratory

Well 7B

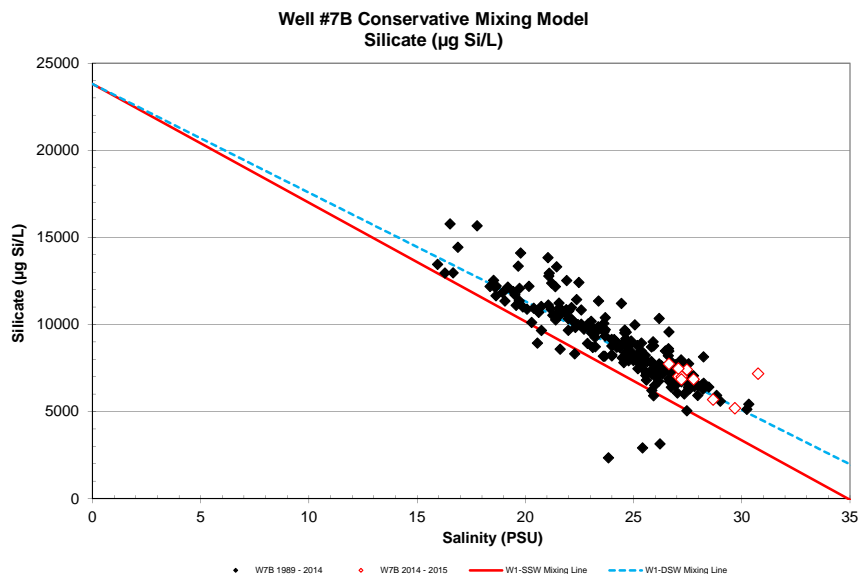
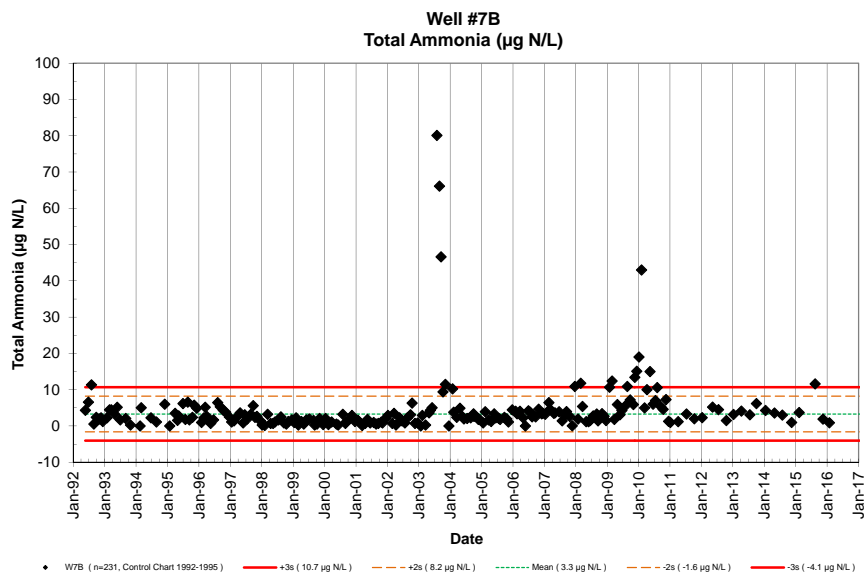
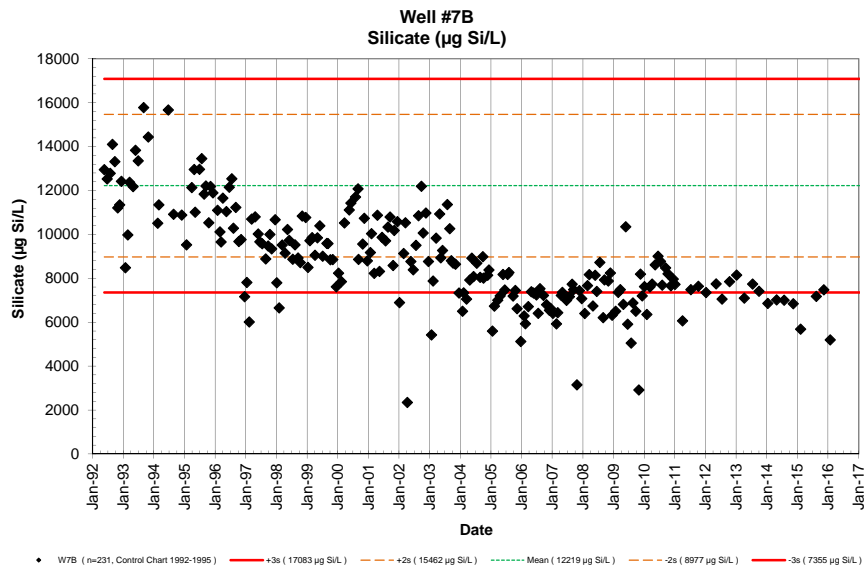
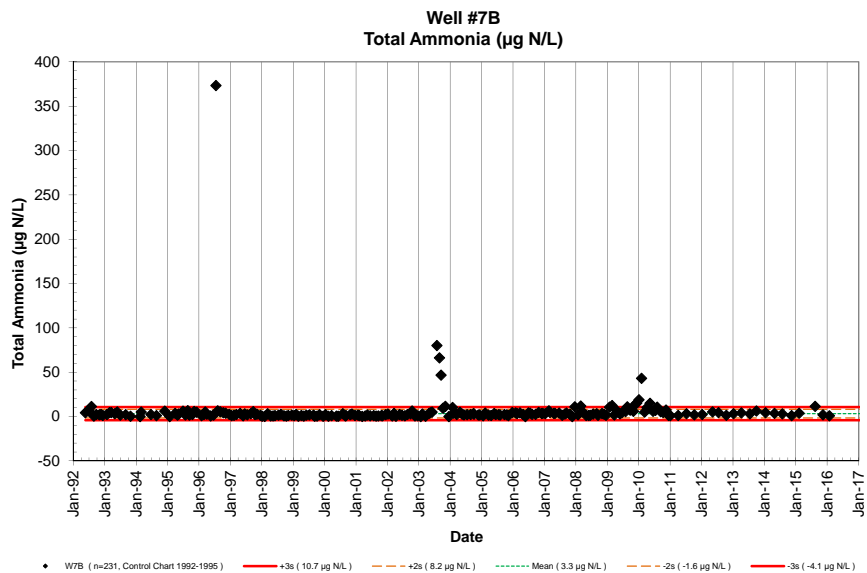
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Well 7B

5/20/1992 - 4/4/2016

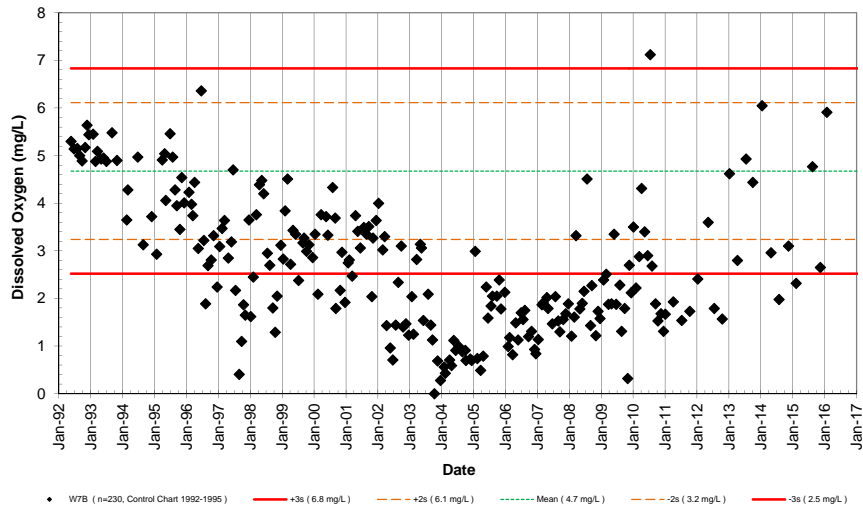


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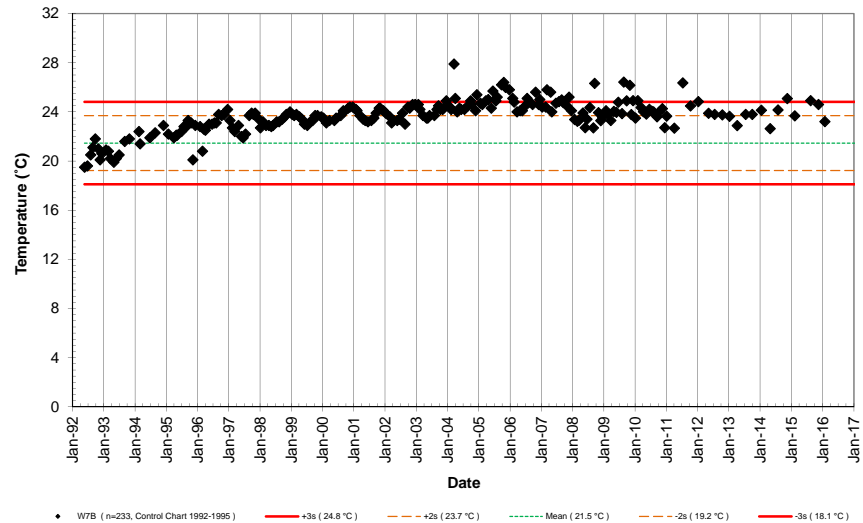
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5/20/1992 - 4/4/2016

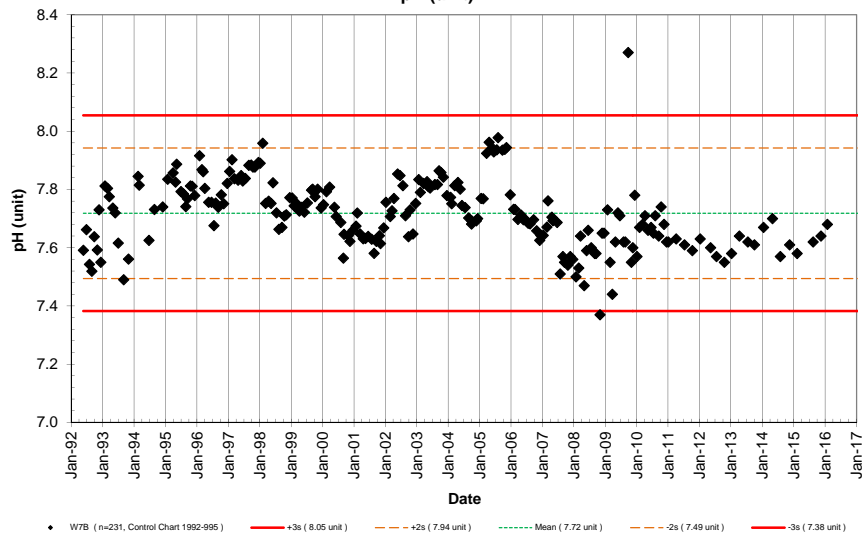
Well #7B
Dissolved Oxygen (mg/L)



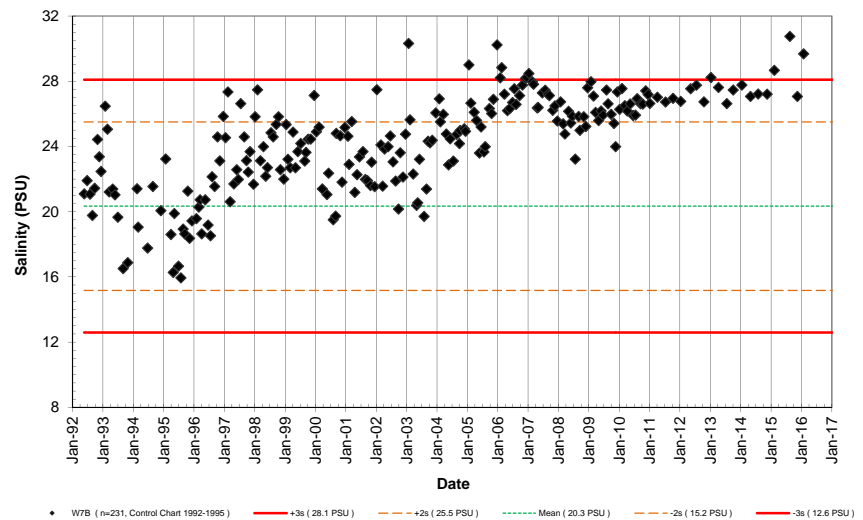
Well #7B
Temperature (°C)



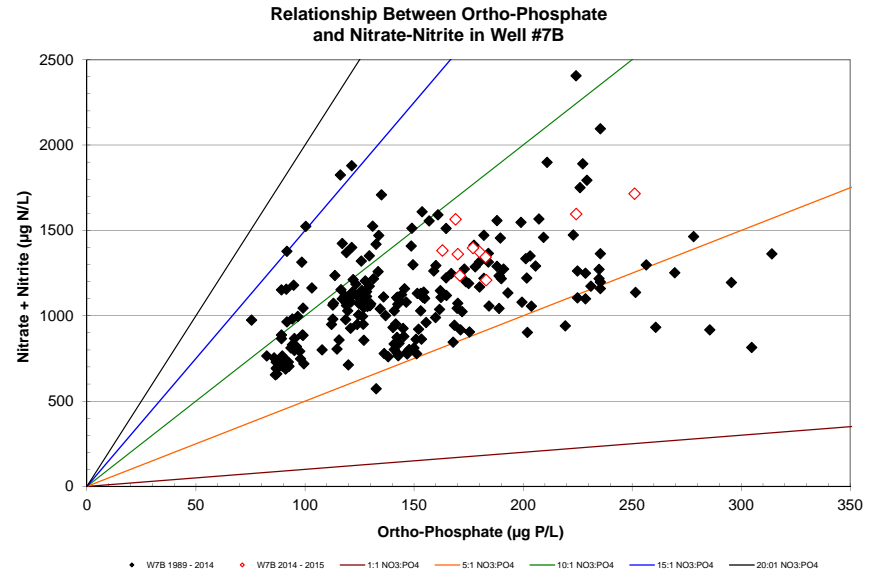
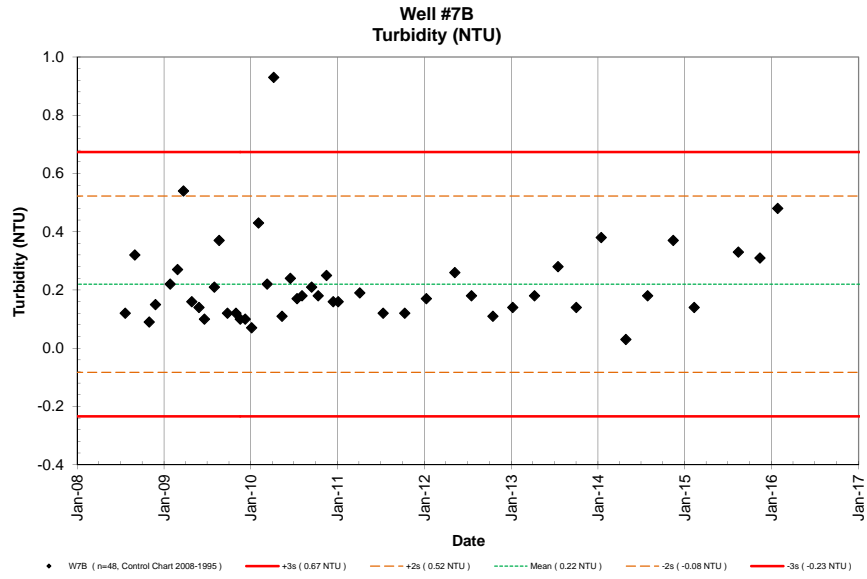
Well #7B
pH (unit)



Well #7B
Salinity (PSU)



NELHA Water Quality Laboratory
 Well 7B
 5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 8 Data Table

5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W8	-18.9	7/25/07	1132	-3.96	0.46	Flood	3.33	103	21.7	304	5.00	70	110	3100	3.48	107.9	28.8	403.9		
W8	-18.9	8/27/07	1110		0.06	Flood	3.78	117	47.2	661	0.32	5	99	2778	4.11	127.3	39.7	555.9		
W8	-18.9	9/13/07	1530	-3.58	0.40	Flood	4.43	137	14.9	209	20.63	289	127	3573	4.74	146.9	40.7	570.5		
W8	-18.9	10/23/07	1030	-4.22	0.24	Flood	5.98	185	3.8	53	36.80	515	96	2710	6.36	197.1	43.0	601.7		
W8	-18.9	11/20/07	1102	-3.96	0.40	Flood	7.78	241	18.9	265	1.93	27	98	2747	7.41	229.6	28.0	391.7		
W8	-18.9	12/19/07	1045	-3.96	0.30	High	6.06	188	19.1	268	0.78	11	82	2298						
W8	-18.9	1/24/08	1445	-3.63	0.06	Flood	5.88	182	23.9	335	0.64	8.9	79	2224						
W8	-18.9	2/26/08	934	-3.96	0.18	Ebb	4.43	137	22.4	314	1.14	16	74	2083						
W8	-18.9	3/17/08	1115	-4.01	0.06	Flood	4.44	138	20.1	282	0.08	1.1	71	1994						
W8	-18.9	4/30/08	1111	-3.66	0.21	Flood	3.24	101	17.7	249	0.09	1.2	75	2102						
W8	-18.9	5/27/08	1055	-4.17	0.24	High	3.40	105	14.6	205	0.66	9.2	95	2662						
W8	-18.9	6/16/08	1120	-3.61	0.24	Flood	3.06	95	14.3	200	0.18	2.5	92	2585						
W8	-18.9	7/21/08	1027	-4.11	0.12	Ebb	2.72	84	21.4	300	0.20	2.8	77	2162						
W8	-18.9	8/30/08	1352		0.46	Flood	1.68	52	11.4	159	0.20	2.8	62	1752						
W8	-18.9	9/15/08	1117	-4.44	0.09	Low	2.66	82	21.1	296	0.10	1.4	82	2293						
W8	-18.9	10/31/08	1031	-4.18	0.30	Ebb	1.77	55	14.7	206	0.38	5.3	78	2195						
W8	-18.9	11/14/08	1041	-4.13	0.15	Ebb	2.11	65	38.1	534	0.00	0.0	75	2093						
W8	-18.9	12/15/08	1353	-4.36	0.03	Low	1.85	57	36.7	514	0.11	1.5	77	2161						
W8	-18.9	1/27/09	856	-4.07	0.30	Ebb	1.81	56	44.1	617	0.36	5.0	73	2053						
W8	-18.9	2/24/09	1330	-4.33	0.15	Flood	1.52	47	34.4	482	0.42	5.9	76	2127						
W8	-18.9	3/16/09	1335	-4.59	0.03	Low	1.89	58	16.8	236	0.13	1.8	70	1967						
W8	-18.9	4/22/09	1119	-4.40	0.18	Flood	2.54	79	35.2	492	0.07	1.0	68	1896						
W8	-18.9	5/27/09	1130	-4.27	0.00	Low	2.27	70	22.8	319	0.17	2.4	66	1842						
W8	-18.9	6/19/09	1453	-3.82	0.73	High	2.66	83	47.1	660	0.20	2.8	73	2039						
W8	-18.9	7/31/09	1305	-3.81	0.67	High	2.31	72	39.4	552	0.21	3.0	61	1703						
W8	-18.9	8/20/09	1335	-3.98	0.46	Flood	2.35	73	52.1	730	0.71	10.0	79	2232						
W8	-18.9	9/24/09	1528	-4.21	0.21	Ebb	2.29	71	38.2	535	0.49	6.8	58	1618						
W8	-18.9	10/23/09	1119	-4.05	0.43	Ebb	2.11	66	31.1	436	0.37	5.2	83	2324						
W8	-18.9	11/17/09	1634	-4.20	0.37	High	2.68	83	40.9	573	0.86	12.0	136	3807						
W8	-18.9	12/8/09	1058	-4.00	0.52	Ebb	2.13	66	34.8	488	1.11	15.5	82	2290						
W8	-18.9	1/6/10	1022	-4.05	0.30	Ebb	1.97	61	43.5	609	1.29	18.0	89	2489						
W8	-18.9	2/2/10	1008	-4.10	0.15	Ebb	2.07	64	52.3	732	0.64	9.0	79	2232						
W8	-18.9	3/10/10	952	-4.40	0.09	Flood	2.84	88	37.3	523	0.36	5.0	89	2501						
W8	-18.9	4/7/10	938	-4.32	0.12	Flood	3.00	93	37.6	526	0.86	12.0	82	2307						
W8	-18.9	5/12/10	924	-4.48	-0.03	Flood	1.97	61	38.6	541	0.64	9.0	84	2350						
W8	-18.9	6/16/10	1523	-4.28	0.24	Flood	2.52	78	43.9	615	0.29	4.0	92	2593						
W8	-18.9	7/13/10	1530	-3.93	0.49	Flood	3.07	95	29.7	416	0.07	1.0	95	2673						
W8	-18.9	8/3/10	1533	-4.01	0.37	Ebb	3.84	119	39.6	554	0.24	3.3	98	2762						
W8	-18.9	9/14/10	1540	-4.11	0.21	Ebb	3.78	117	37.6	526	0.01	0.1	96	2699						
W8	-18.9	10/12/10	1602	-4.17	0.18	Low	3.29	102	30.3	425	0.06	0.8	95	2661						
W8	-18.9	11/16/10	1446	-4.00	0.30	Ebb	3.49	108	26.6	373	0.28	3.9	97	2718						
W8	-18.9	12/14/10	1512	-4.23	0.12	Ebb	3.16	98	26.2	367	0.09	1.3	98	2764						
W8	-18.9	1/4/11	1456	-4.22	0.15	Flood	3.00	93	24.8	348	0.19	2.6	94	2626						
W8	-18.9	4/5/11	1513	-4.02	0.37	Flood	2.87	89	37.1	519	0.05	0.7	80	2239						
W8	-18.9	7/12/11	1505	-3.78	0.73	High	2.29	71	26.2	367	11.18	157	89	2513						
W8	-18.9	10/11/11	1407	-4.03	0.34	Flood	2.42	75	28.4	398	8.79	123	82	2291						
W8	-18.9	1/10/12	1531	-4.27	0.18	Flood	2.26	70	44.6	625	0.07	1.0	85	2395						
W8	-18.9	5/8/12	1329	-4.34	0.06	Flood	3.36	104	49.5	694	0.21	2.9	89	2499						
W8	-18.9	7/17/12	1441	-3.70	0.70	Flood	4.49	139	13.5	189	0.14	2.0	106	2965						
W8	-18.9	10/15/12	1358	-4.00	0.30	Flood	4.65	144	36.4	510	0.15	2.1	99	2784						
W8	-18.9	1/7/13	1519	-4.25	0.12	Ebb	4.49	139	75.7	1060	0.10	1.4	138	3886						
W8	-18.9	1/14/13	1008	-3.94	0.24	Ebb	4.55	141	71.8	1006	0.32	4.5	104	2920						
W8	-18.9	1/29/13	1426	-4.05	0.09	Flood	4.55	141	92.5	1296	0.81	11.4	100	2808						
W8	-18.9	3/20/13	1025	-4.24	0.18	High	4.39	136	83.8	1174	1.00	14.0	99	2775						
W8	-18.9	4/8/13	1456	-4.03	0.49	Flood	4.81	149	54.8	767	0.13	1.8	103	2897						

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Well 8 Data Table

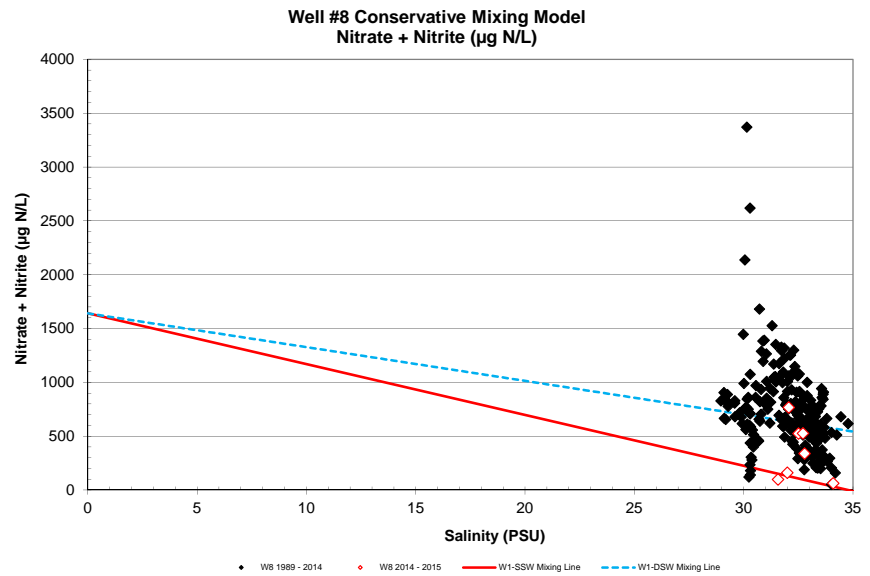
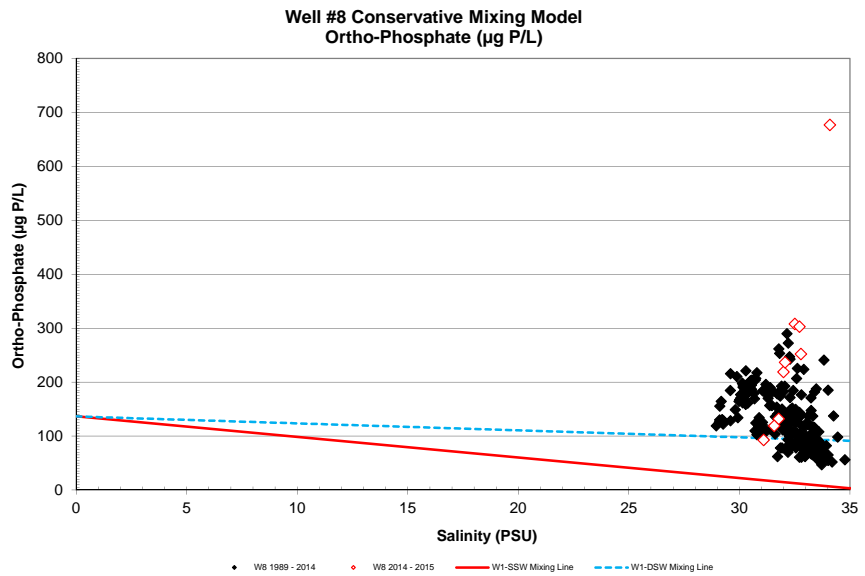
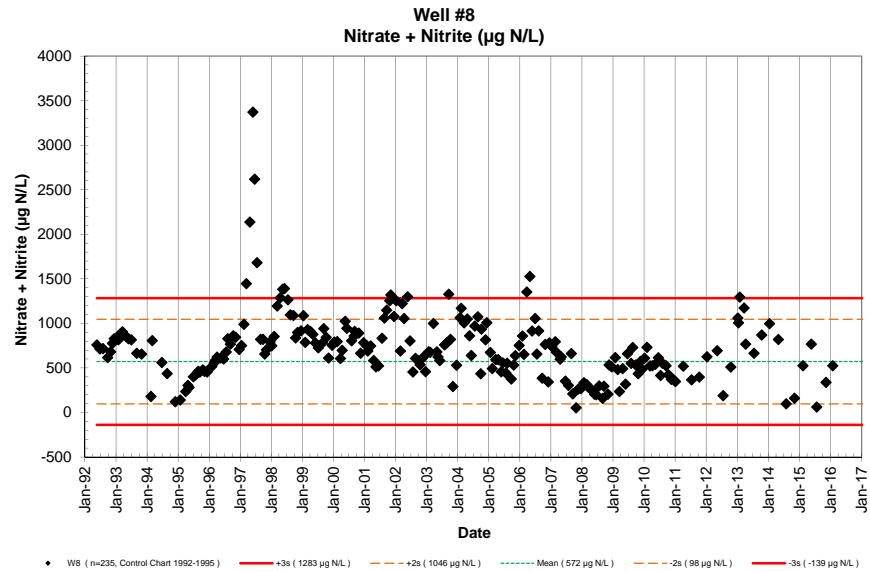
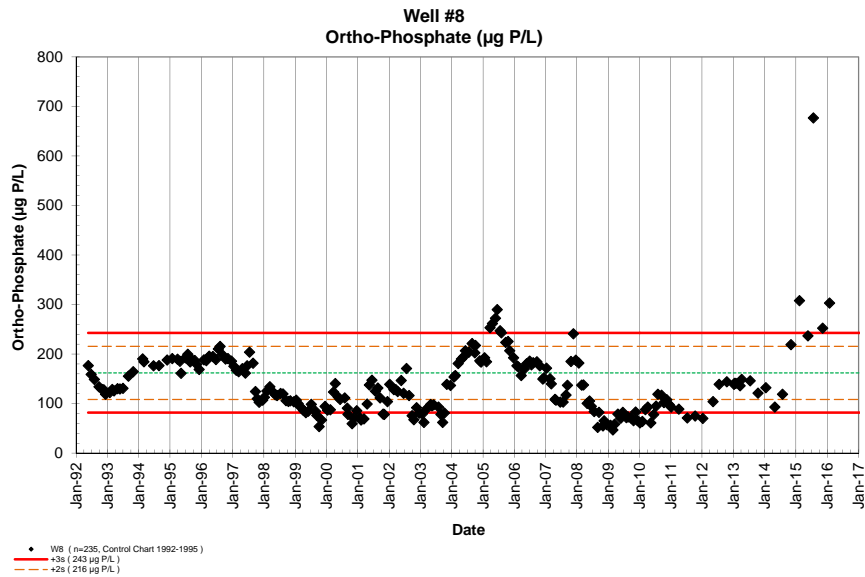
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml
W8	-18.9	7/16/13	1643	-4.17	0.24	Ebb	4.71	146	47.5	666	3.72	52	104	2920						22.8	7.52	32.51	0.10	0.29		
W8	-18.9	10/14/13	1721	-4.20	0.12	Ebb	3.91	121	62.1	870	0.23	3.2	106	2986						23.1	7.52	32.77	0.29	0.02		
W8	-18.9	1/14/14	1525	-4.13	0.18	High	4.26	132	71.3	998	10.75	151	108	3027						20.4	7.49	31.77	0.49	0.22		
W8	-18.9	4/28/14	1456	-3.90	0.55	Flood	3.00	93	58.5	819	7.21	101	103	2902						20.0	8.03	31.09	0.99	0.02		
W8	-18.9	7/28/14	1617	-3.86	0.55	Flood	3.84	119	7.0	98	32.41	454	121	3400						20.6	7.43	31.57	0.62	0.09		
W8	-18.9	11/3/14	1341	-3.79	0.46	Flood	7.07	219	11.5	161	51.53	722	131	3679						21.9	7.36	31.99	0.47	0.15		
W8	-18.9	2/10/15	1637	-4.25	0.31	High	9.94	308	37.5	525	2.14	30.0	229	6437						23.0	7.34	32.50	0.16	0.36		
W8	-18.9	5/20/15	913	-4.27	0.00	Ebb	7.65	237	54.8	767	125.53	1758.2	127	3559						22.0	7.44	32.06	0.51	0.03		
W8	-18.9	7/22/15	1043	-4.21	0.31	Ebb	21.85	677	4.5	63	37.81	529.6	135	3781						24.1	7.41	34.09	0.05	0.01		
W8	-18.9	11/9/15	1413	-3.91	0.48	High	8.14	252	24.2	339	37.42	524.2	132	3704						25.1	7.47	32.78	0.09	0.07		
W8	-18.9	1/27/16	1412	-4.4	0.10	Flood	9.78	303	37.6	526	110.12	1542.4	133	3740						24.5	7.40	32.71	0.13	0.08		
W8	-18.9	4/1/16																								

NELHA Water Quality Laboratory

Well #8

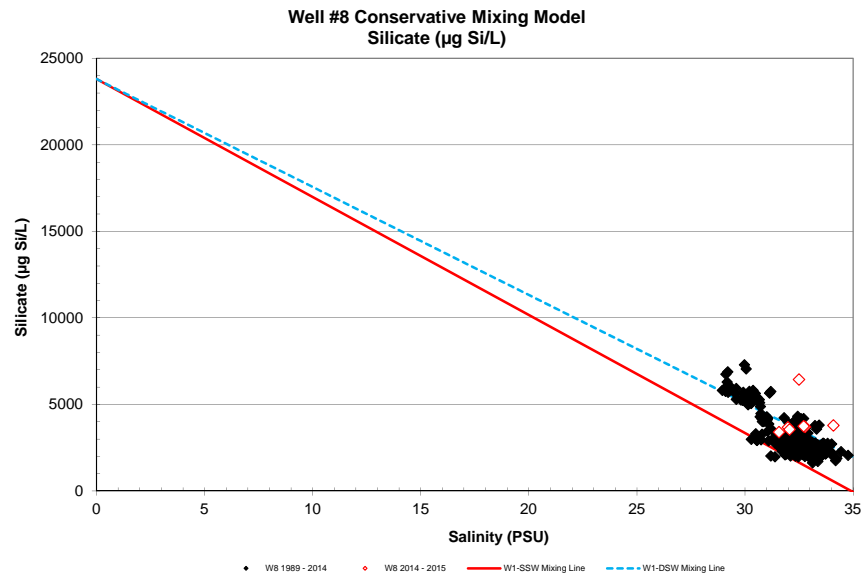
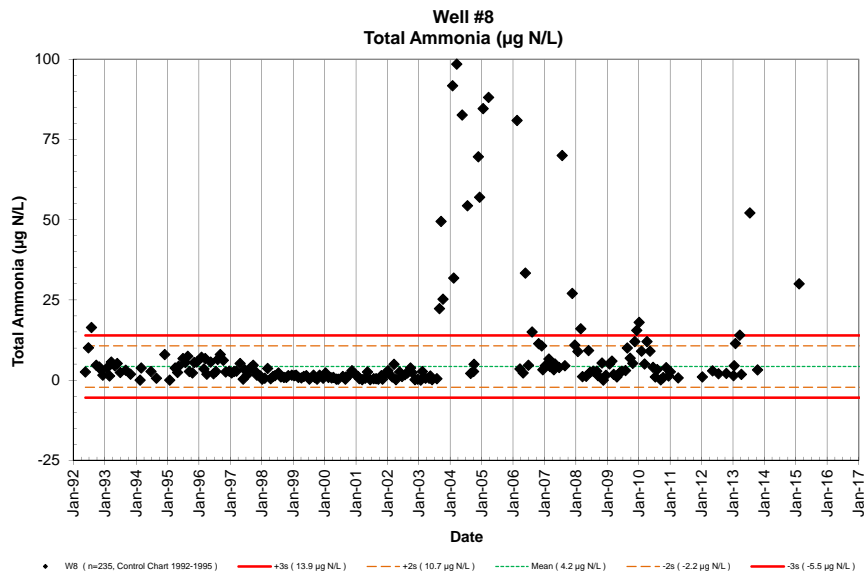
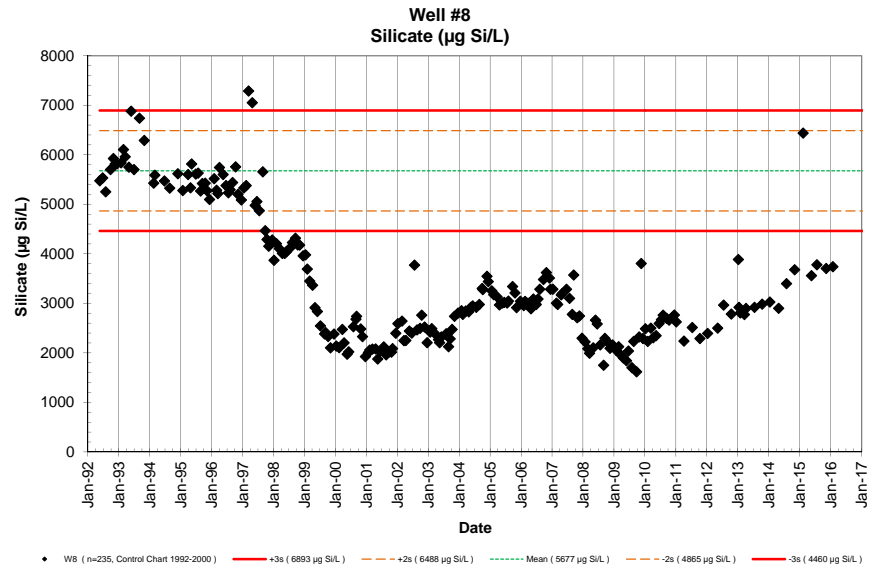
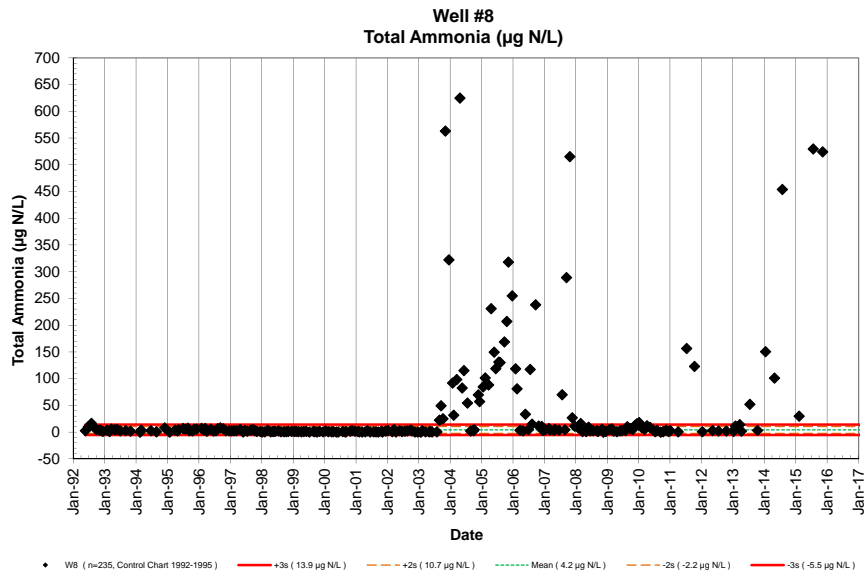
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NELHA Water Quality Laboratory

Well #8

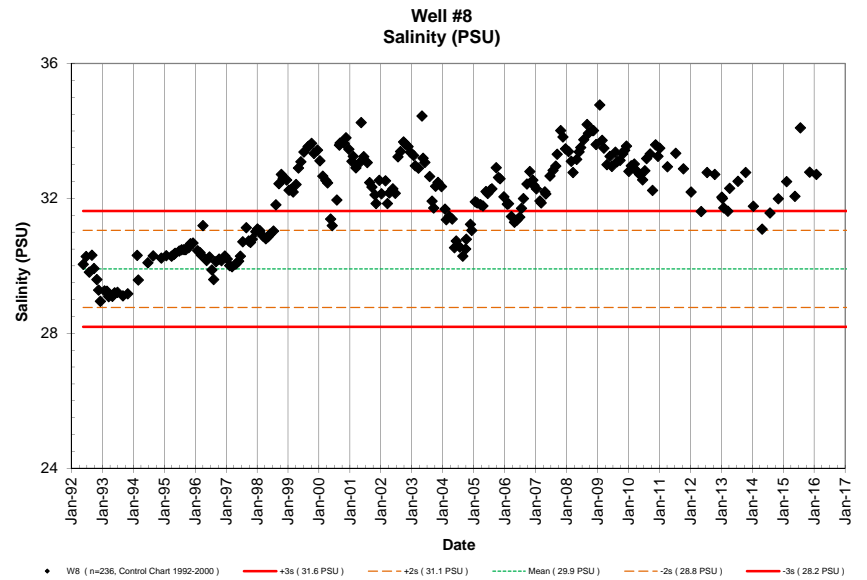
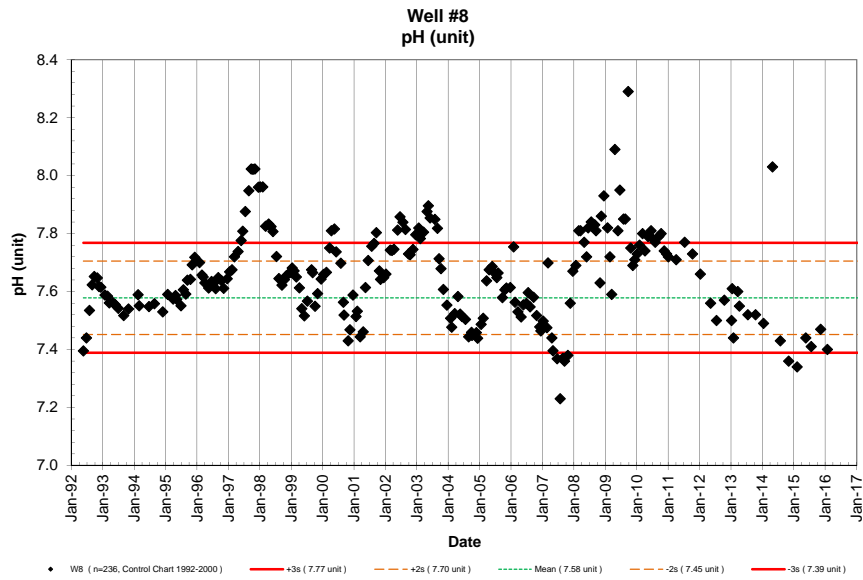
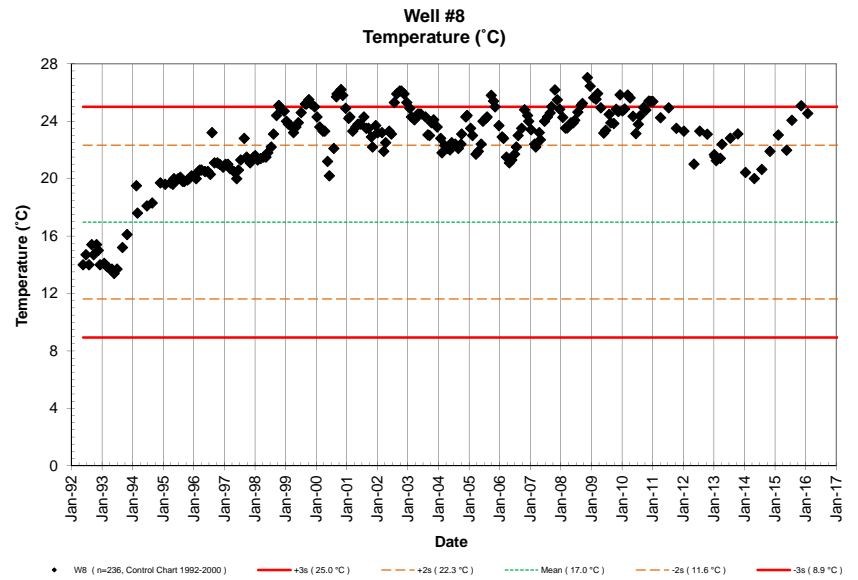
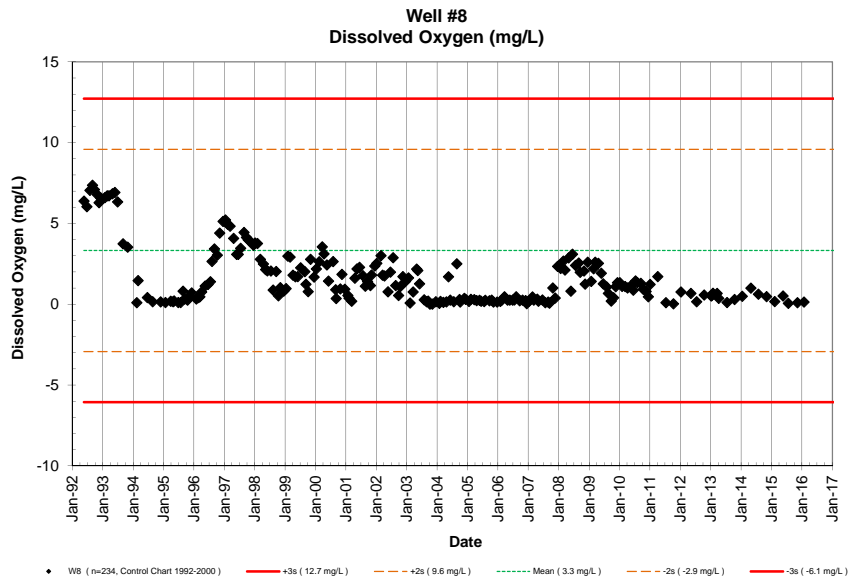
5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well #8

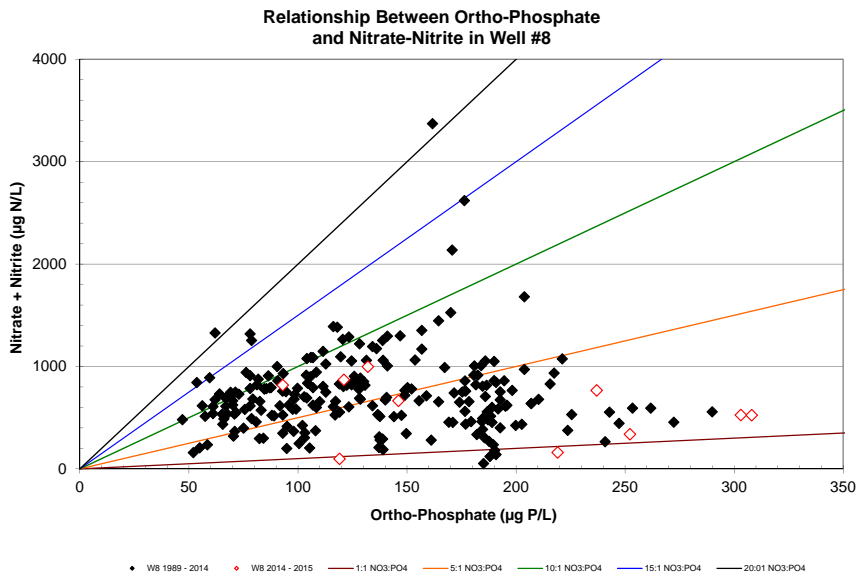
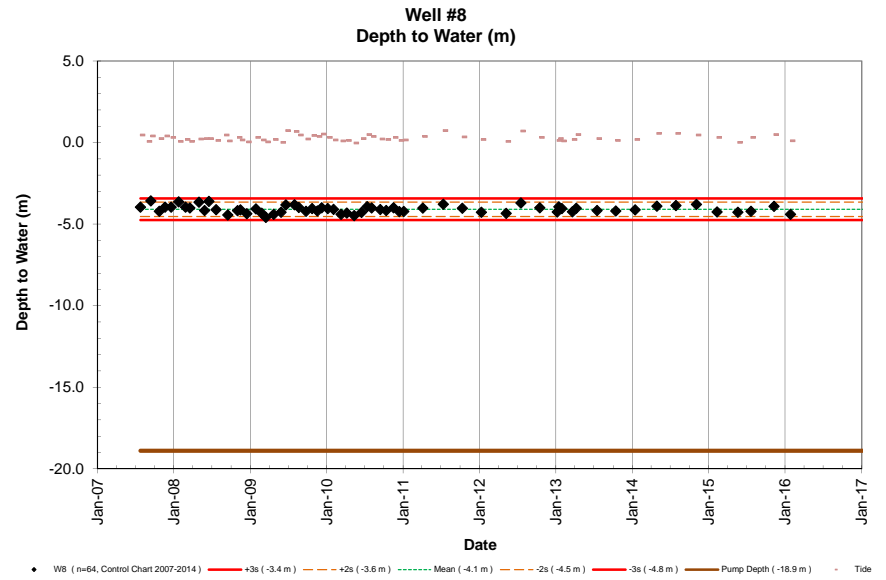
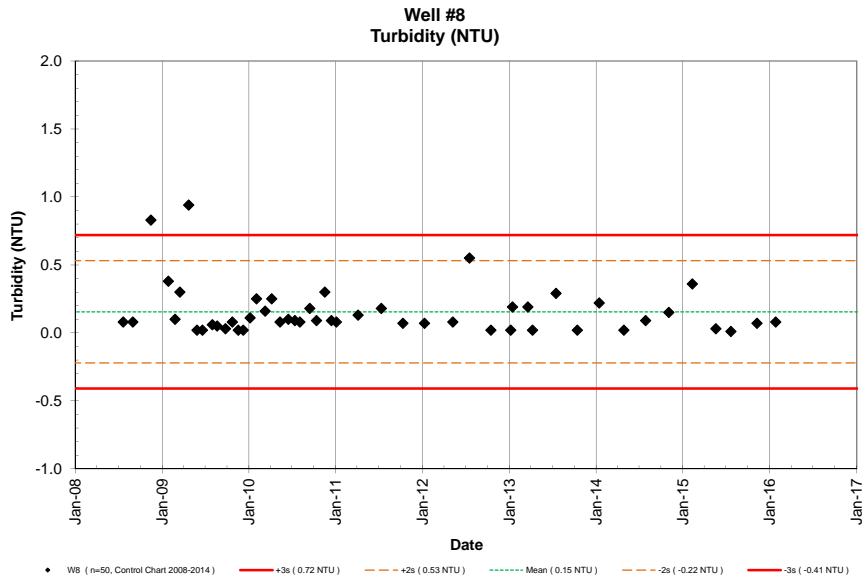
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NELHA Water Quality Laboratory

Well 8

5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory
Well 8A Data Table
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W8A	-11.0	7/25/07	1046	-4.06	0.46	Flood	6.26	194	57.0	798	0.61	8.5	273	7657	5.52	171.1	55.2	773		
W8A	-11.0	8/27/07	1054	0.06	Flood	5.68	176	64.7	906	0.16	2.3	276	7747	5.40	167.2	54.1	758			
W8A	-11.0	9/13/07	1515	-4.14	0.40	Flood	5.44	169	46.4	650	0.21	2.9	265	7430	5.70	176.5	49.9	699		
W8A	-11.0	10/23/07	1015	-2.87	0.24	Flood	5.02	156	53.1	744	0.02	0.3	239	6699	6.16	190.7	92.2	1291		
W8A	-11.0	11/20/07	1050	-3.30	0.40	Flood	4.88	151	56.8	795	0.04	0.5	256	7189	4.57	141.4	62.2	872		
W8A	-11.0	12/19/07	1035	-3.96	0.30	High	6.02	187	57.8	810	6.22	87	227	6377						
W8A	-11.0	1/24/08	1428	-3.33	0.06	Flood	6.35	197	72.9	1021	0.76	11	218	6120						
W8A	-11.0	2/26/08	904	-4.19	0.18	Ebb	5.93	184	66.0	925	0.42	5.9	251	7045						
W8A	-11.0	3/17/08	1102	-1.93	0.06	Flood	5.32	165	60.8	852	0.06	0.8	247	6928						
W8A	-11.0	4/30/08	1101	-2.44	0.21	Flood	4.98	154	50.7	711	0.09	1.2	222	6243						
W8A	-11.0	5/27/08	1037	-3.96	0.24	High	4.38	136	58.5	819	0.09	1.2	256	7184						
W8A	-11.0	6/16/08	1101	-3.35	0.24	Flood	4.30	133	55.1	771	0.16	2.3	257	7220						
W8A	-11.0	7/21/08	957	-5.82	0.12	Ebb	5.08	157	55.4	776	0.29	4.0	228	6408						
W8A	-11.0	8/30/08	1352	0.46	Flood	4.70	146	58.1	814	0.31	4.4	227	6375							
W8A	-11.0	9/15/08	1107	-4.50	0.09	Low	5.77	179	80.5	1128	0.13	1.8	227	6374						
W8A	-11.0	10/31/08	1041	-4.29	0.30	Ebb	5.98	185	69.7	977	0.22	3.1	246	6902						
W8A	-11.0	11/14/08	1024	-4.23	0.15	Ebb	5.80	180	90.1	1262	0.01	0.2	231	6487						
W8A	-11.0	12/15/08	1337	-4.45	0.03	Low	5.91	183	86.7	1215	0.11	1.5	227	6377						
W8A	-11.0	1/27/09	837	-4.15	0.30	Ebb	5.55	172	172.0	2409	0.66	9.3	274	7692						
W8A	-11.0	2/24/09	1313	-4.41	0.15	Flood	5.37	166	135.4	1897	1.04	14.5	267	7491						
W8A	-11.0	3/16/09	1324	-4.56	0.03	Low	4.37	135	69.0	966	0.13	1.8	212	5965						
W8A	-11.0	4/22/09	1133	-4.47	0.18	Flood	6.28	195	95.8	1342	0.32	4.5	241	6770						
W8A	-11.0	5/27/09	1114	-4.33	0.00	Low	5.97	185	106.2	1488	0.24	3.4	491	13802						
W8A	-11.0	6/19/09	1438	-3.88	0.73	High	6.27	194	61.8	866	0.44	6.1	193	5413						
W8A	-11.0	7/31/09	1246	-3.91	0.67	High	6.72	208	66.1	926	0.68	9.5	140	3927						
W8A	-11.0	8/20/09	1319	-4.07	0.46	Flood	3.30	102	36.5	511	0.27	3.8	94	2642						
W8A	-11.0	9/24/09	1503	-4.30	0.21	Ebb	4.89	152	70.5	987	0.59	8.3	186	5236						
W8A	-11.0	10/23/09	1056	-4.17	0.43	Ebb	4.27	132	50.9	712	0.56	7.8	102	2863						
W8A	-11.0	11/17/09	1618	-4.39	0.37	High	4.76	148	59.9	839	0.97	13.6	223	6250						
W8A	-11.0	12/8/09	1110	-4.12	0.52	Ebb	4.46	138	82.2	1152	1.04	14.5	307	8619						
W8A	-11.0	1/6/10	1039	-4.15	0.30	Ebb	5.26	163	103.7	1453	1.29	18.0	265	7438						
W8A	-11.0	2/2/10	1016	-4.21	0.15	Ebb	5.91	183	124.2	1739	0.57	8.0	244	6861						
W8A	-11.0	3/10/10	950	-4.50	0.09	Flood	6.04	187	90.0	1261	0.36	5.0	280	7874						
W8A	-11.0	4/7/10	931	-4.44	0.12	Flood	5.78	179	80.1	1122	1.07	15	276	7744						
W8A	-11.0	5/12/10	929	-4.57	-0.03	Flood	4.78	148	59.5	834	1.21	17	216	6056						
W8A	-11.0	6/16/10	1513	-4.38	0.24	Flood	5.46	169	72.9	1021	0.43	6.0	276	7742						
W8A	-11.0	7/13/10	1537	-4.06	0.49	Flood	5.42	168	67.3	942	0.14	2.0	264	7413						
W8A	-11.0	8/3/10	1542	-4.13	0.37	Ebb	5.88	182	67.0	938	0.44	6.2	276	7758						
W8A	-11.0	9/14/10	1548	-4.22	0.21	Ebb	5.97	185	65.8	922	0.18	2.5	273	7654						
W8A	-11.0	10/12/10	1611	-4.26	0.18	Low	5.78	179	63.1	884	0.17	2.4	277	7777						
W8A	-11.0	11/16/10	1453	-4.14	0.30	Ebb	5.81	180	66.5	932	0.31	4.4	272	7652						
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W8A	-11.0	1/4/11	1503	-4.32	0.15	Flood	5.29	164	81.0	1135	0.28	3.9	263	7373						
W8A	-11.0	4/5/11	1518	-4.14	0.37	Flood	5.46	169	91.7	1285	0.07	1.0	240	6739						
W8A	-11.0	7/12/11	1457	-3.89	0.73	High	5.75	178	69.5	973	0.25	3.5	239	6725						
W8A	-11.0	10/11/11	1426	-4.12	0.34	Flood	6.68	207	43.8	614	5.04	71	236	6636						
W8A	-11.0	1/10/12	1538	-4.36	0.18	Flood	5.39	167	46.1	646	0.35	4.9	303	8498						
W8A	-11.0	5/8/12	1338	-4.45	0.06	Flood	6.65	206	60.3	845	0.30	4.2	269	7567						
W8A	-11.0	7/17/12	1450	-3.86	0.70	Flood	6.75	209	67.8	949	0.31	4.4	237	6645						
W8A	-11.0	10/15/12	1406	-4.21	0.30	Flood	6.20	192	66.8	936	0.46	6.4	253	7119						
W8A	-11.0	1/7/13	1511	-4.35	0.12	Ebb	5.46	169	62.8	879	0.13	1.8	341	9581						
W8A	-11.0	1/14/13	958	-4.03	0.24	Ebb	5.84	181	63.3	887	0.20	2.8	298	8358						
W8A	-11.0	1/29/13	1434	-4.30	0.09	Flood	5.62	174	62.2	871	0.99	14	292	8192						
W8A	-11.0	3/20/13	1035	-4.33	0.18	High	5.20	161	61.0	855	1.14	16	289	8114						
W8A	-11.0	4/8/13	1505	-4.08	0.49	Flood	5.42	168	74.4	1042	0.39	5.5	269	7552						
W8A	-11.0	7/16/13	1652	-4.29	0.24	Ebb	5.71	177	60.2	843	0.22	3.1	294	8262						
W8A	-11.0	10/14/13	1728	-4.30	0.12	Ebb	5.88	182	60.3	844	2.98	42	272	7640						
W8A	-11.0	1/14/14	1533	-4.24	0.18	High	7.65	237	42.2	591	10.24	143	313	8788						
W8A	-11.0	4/28/14	1504	-4.02	0.55	Flood	5.20	161	76.9	1077	0.49	6.8	264	7418						

NELHA Water Quality Laboratory

Well 8A Data Table

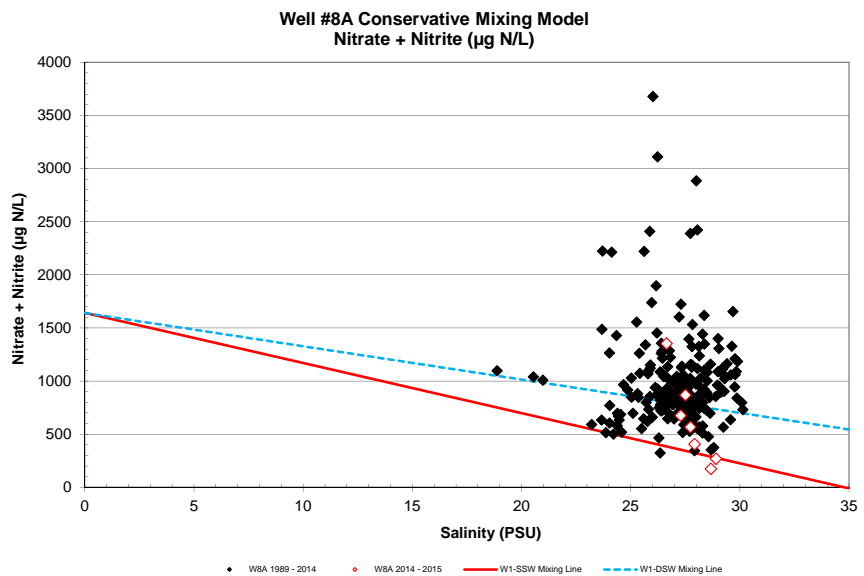
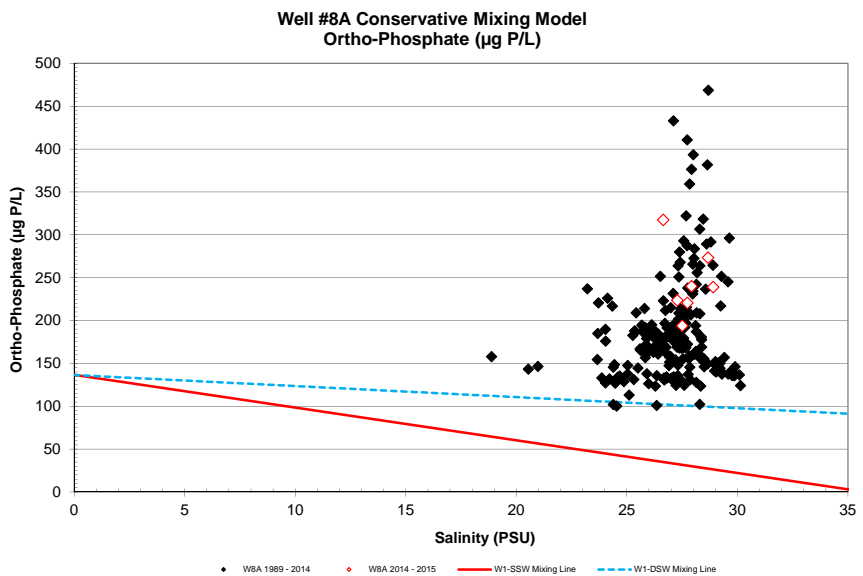
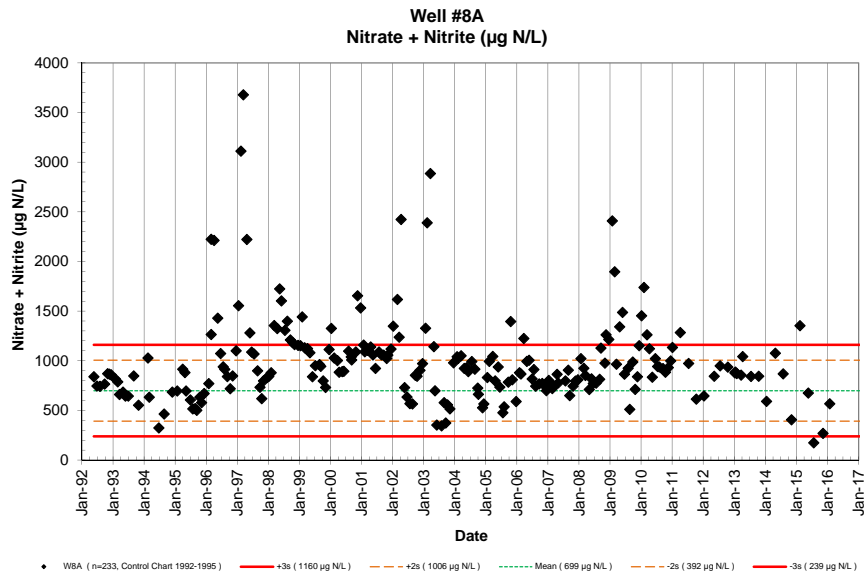
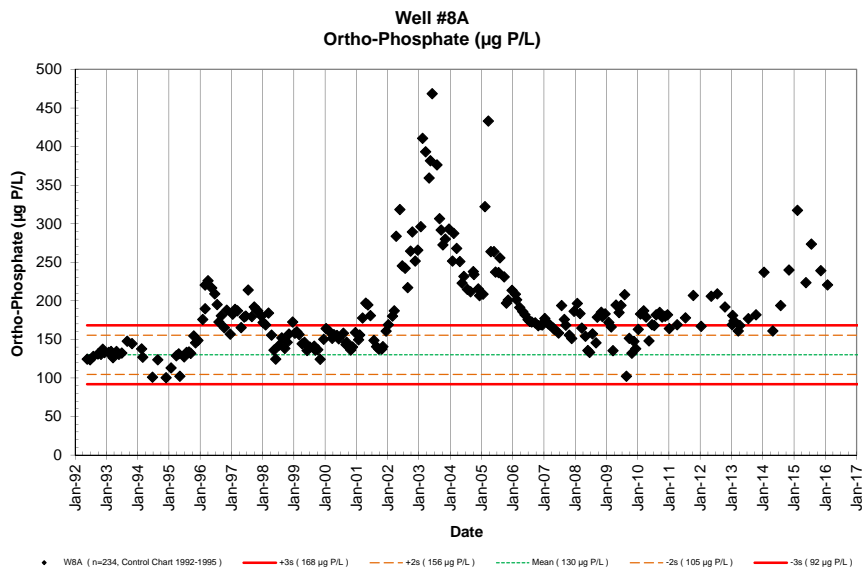
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L) (mgC/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml
W8A	-11.0	7/28/14	1623	-4.01	0.55 Flood	6.26 194	62.0 869	2.21 31	241 6769				21.5	7.38	27.50	0.83	0.06		
W8A	-11.0	11/3/14	1349	-3.92	0.46 Flood	7.75 240	29.0 406	31.27 438	236 6615				22.6	7.40	27.92	0.08	0.10		
W8A	-11.0	2/10/15	1632	-4.37	0.31 High	10.25 317	96.7 1354	1.23 17.2	311 8745				22.0	7.40	26.64	0.17	0.35		
W8A	-11.0	5/20/15	923	-4.38	0.00 Ebb	7.22 224	48.2 675	16.10 225.5	232 6502				22.9	7.53	27.28	0.85	0.02		
W8A	-11.0	7/22/15	1036	-4.23	0.31 Ebb	8.83 274	12.4 174	36.40 509.9	233 6533				24.2	7.37	28.67	0.08	0.51		
W8A	-11.0	11/9/15	1403	-4.00	0.48 High	7.72 239	19.2 269	47.40 663.9	209 5881				25.4	7.45	28.90	0.09	0.71		
W8A	-11.0	1/27/16	1401	-4.50	0.10 Flood	7.12 221	40.5 568	27.59 386.4	241 6762				23.7	7.46	27.73	0.18	0.30		
W8A	-11.0	4/1/16																	

NELHA Water Quality Laboratory

Well #8A

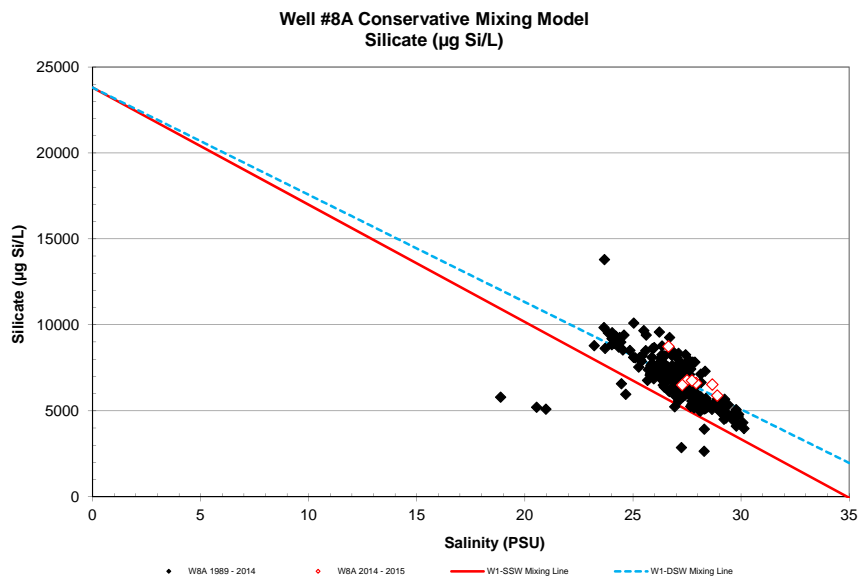
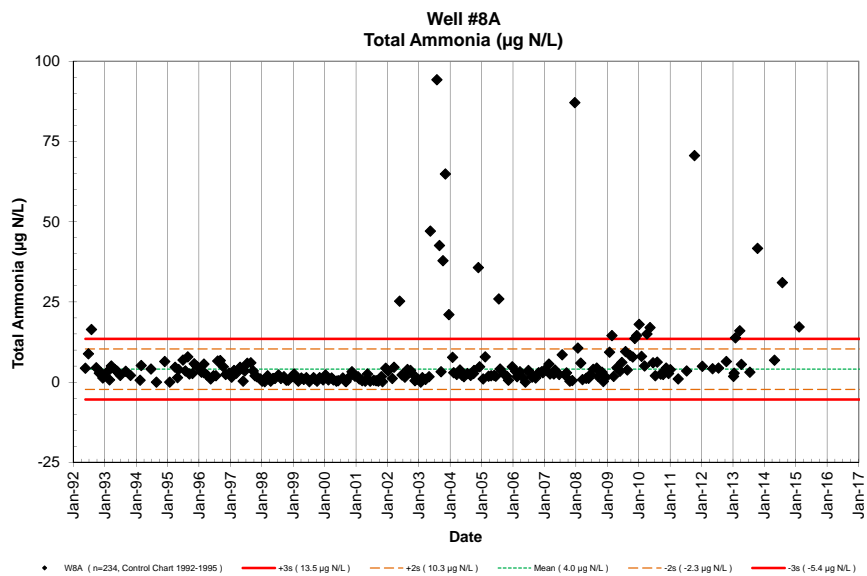
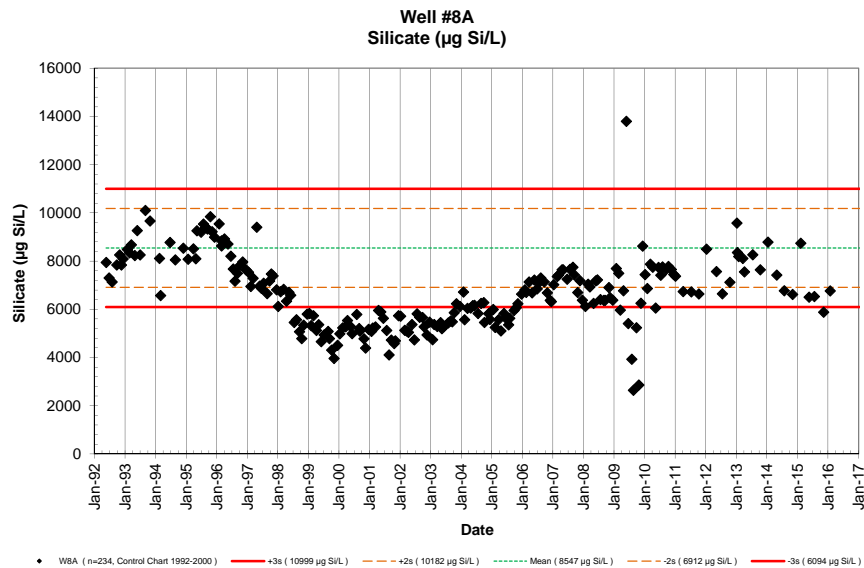
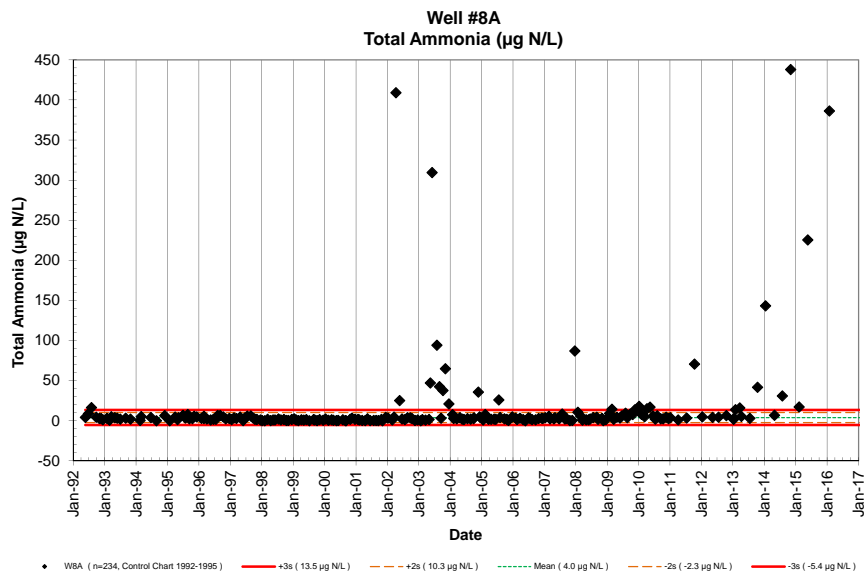
5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well #8A

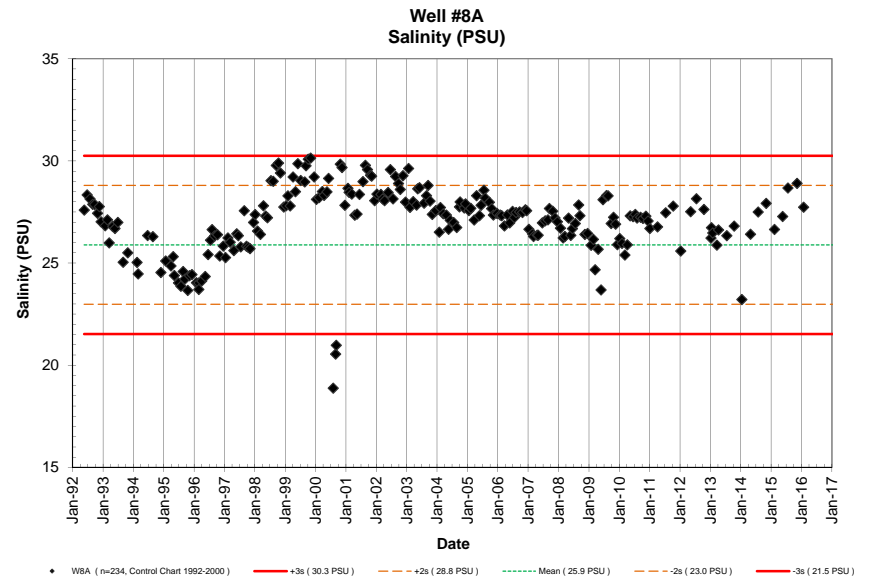
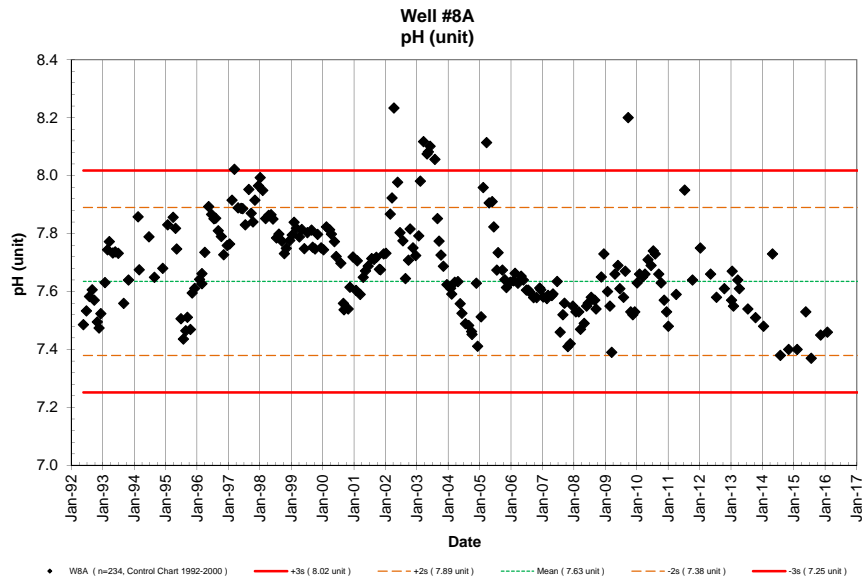
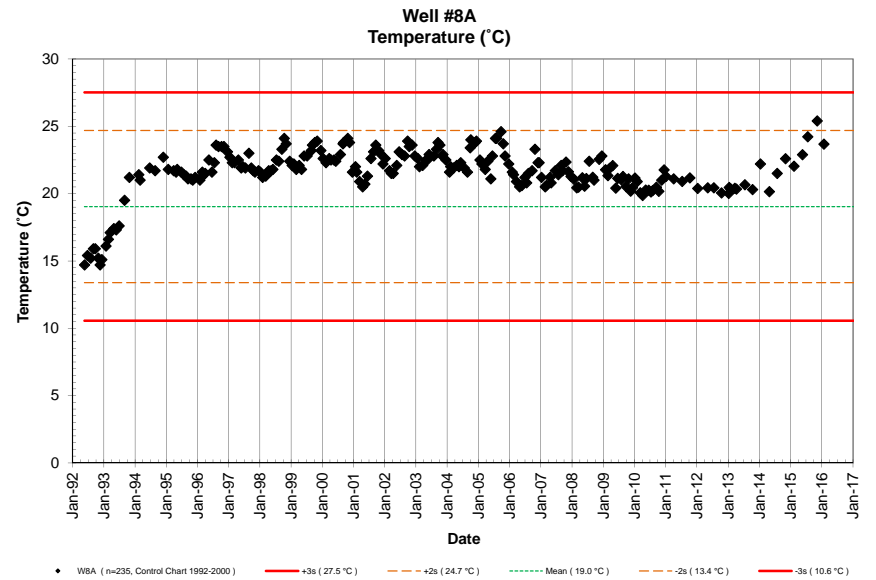
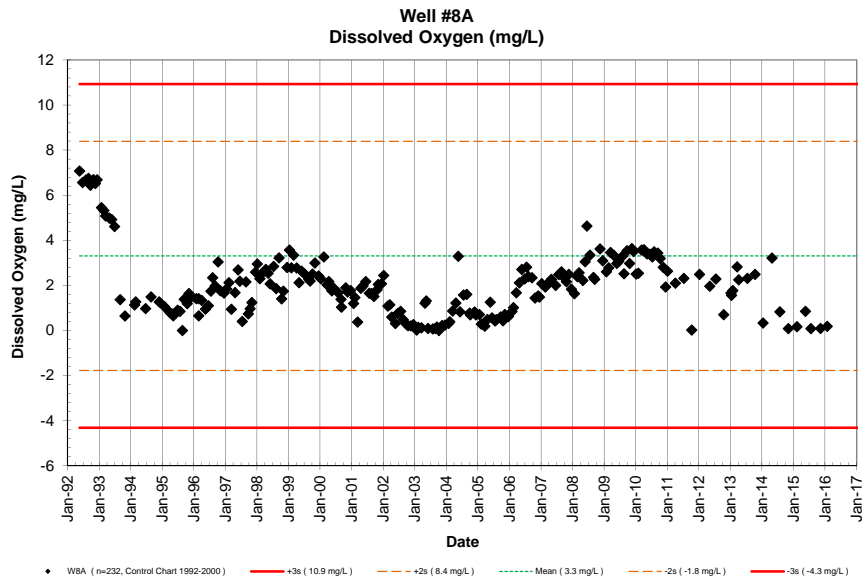
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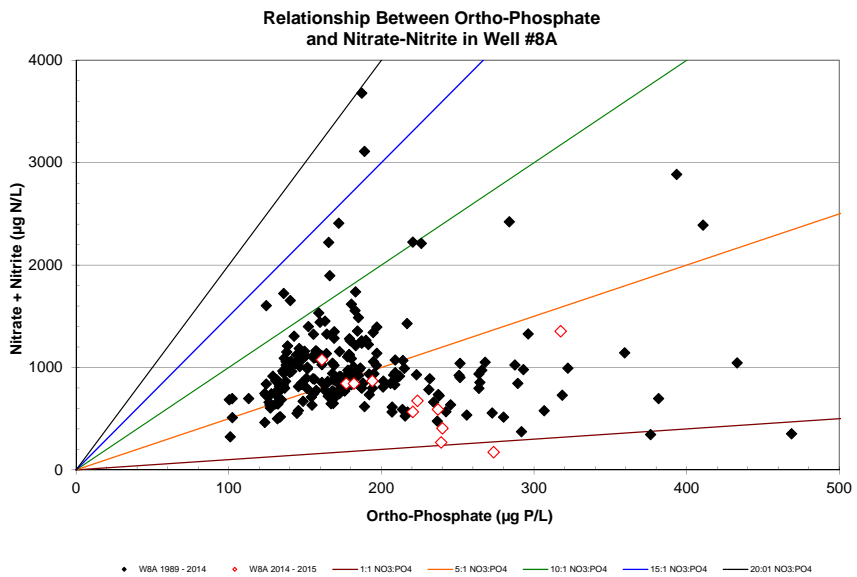
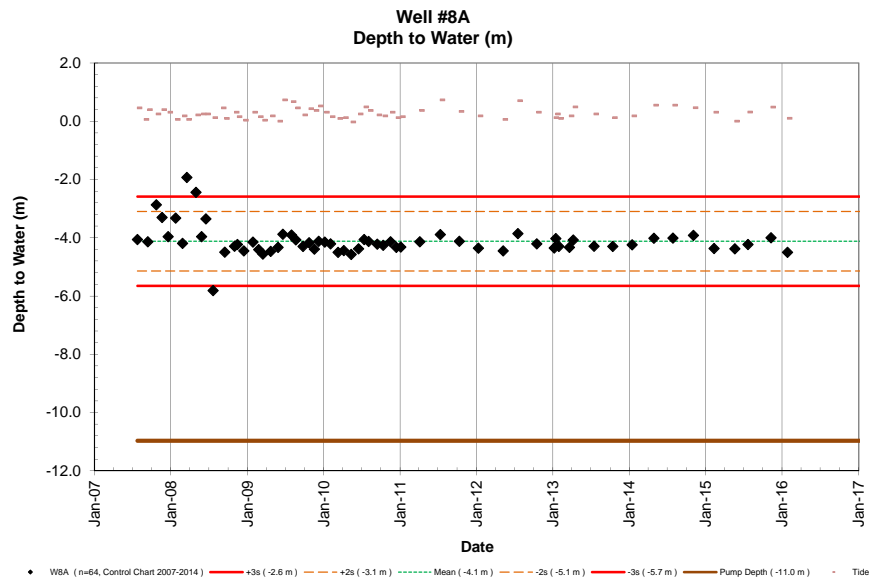
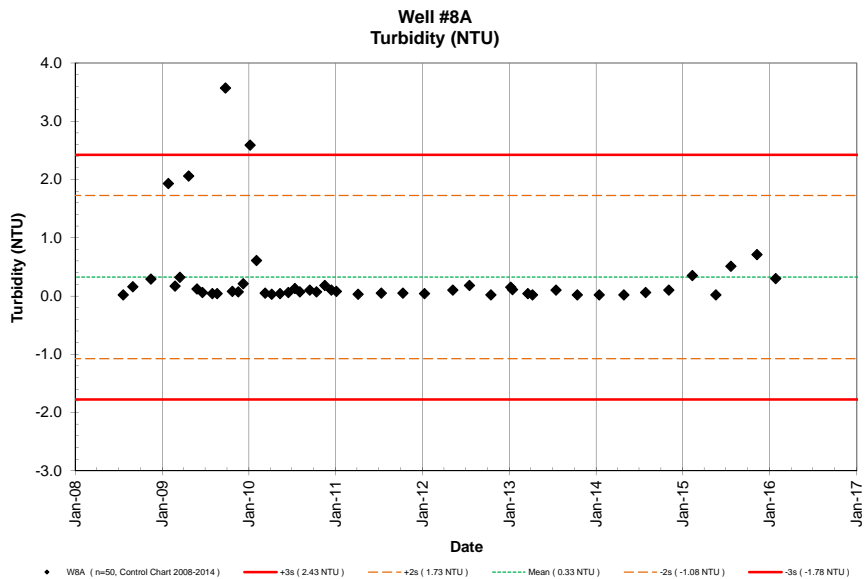
Well #8A

5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well #8A
5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 8B Data Table

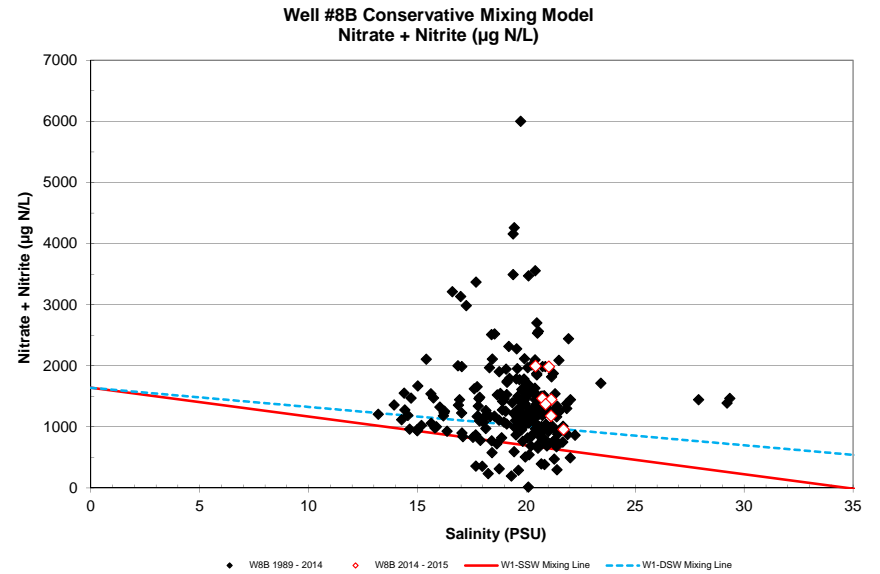
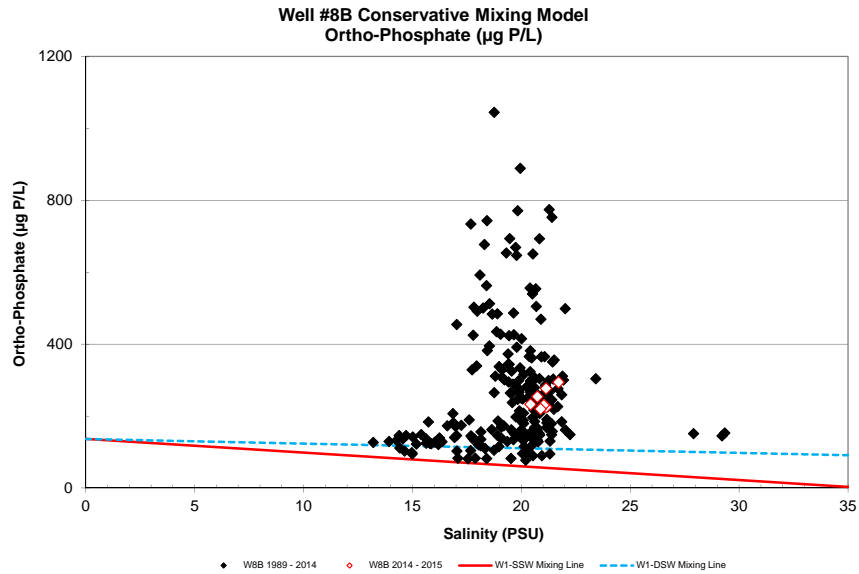
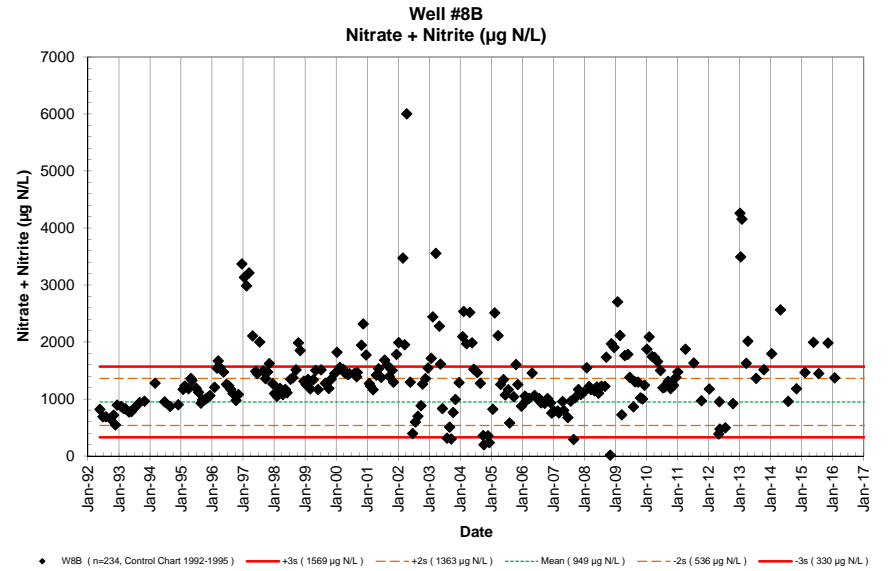
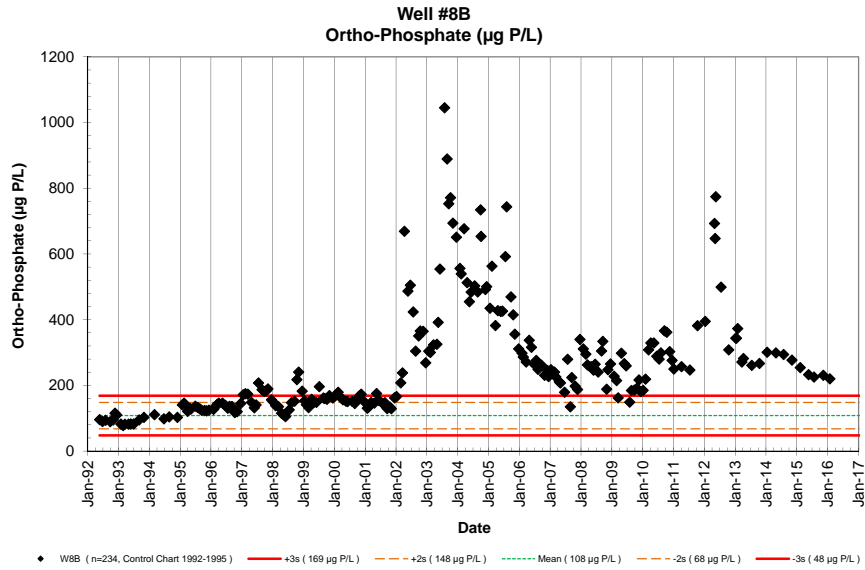
5/20/1992 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(μM) (μg P/L)	(μM) (μg N/L)	(μM) (μg N/L)	(μM) (μg Si/L)	(μM) (μg P/L)	(μM) (μg N/L) (mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml		
W8B	-7.01	7/16/13	1658	-4.24	0.24	Ebb	8.43	261	97.5	1365	0.26	3.6	366	10271						
W8B	-7.01	10/14/13	1736	-4.27	0.12	Ebb	8.62	267	108.2	1515	0.77	10.8	368	10339						
W8B	-7.01	1/14/14	1540	-4.19	0.18	High	9.72	301	128.2	1795	1.32	18.5	358	10057						
W8B	-7.01	4/28/14	1512	-3.97	0.55	Flood	9.65	299	183.1	2565	0.76	10.7	317	8908						
W8B	-7.01	7/28/14	1630	-3.93	0.55	Flood	9.49	294	68.5	959	0.64	8.9	316	8882						
W8B	-7.01	11/3/14	1357	-3.87	0.46	Flood	8.94	277	84.3	1181	0.18	2.5	320	8978						
W8B	-7.01	2/10/15	1622	-4.31	0.31	High	8.20	254	104.8	1468	0.96	13.5	371	10417						
W8B	-7.01	5/20/15	930	-4.36	0.00	Ebb	7.52	233	142.4	1995	1.78	25.0	311	8727						
W8B	-7.01	7/22/15	1029	-4.53	0.31	Ebb	7.27	225	103.5	1449	0.48	6.7	334	9376						
W8B	-7.01	11/9/15	1353	-3.99	0.48	High	7.45	231	141.7	1985	0.74	10.4	305	8564						
W8B	-7.01	1/27/16	1351	-4.45	0.1	Flood	7.10	220	98.1	1374	0.11	1.5	329	9235						
W8B	-7.01	4/1/16																		

NELHA Water Quality Laboratory

Well #8B

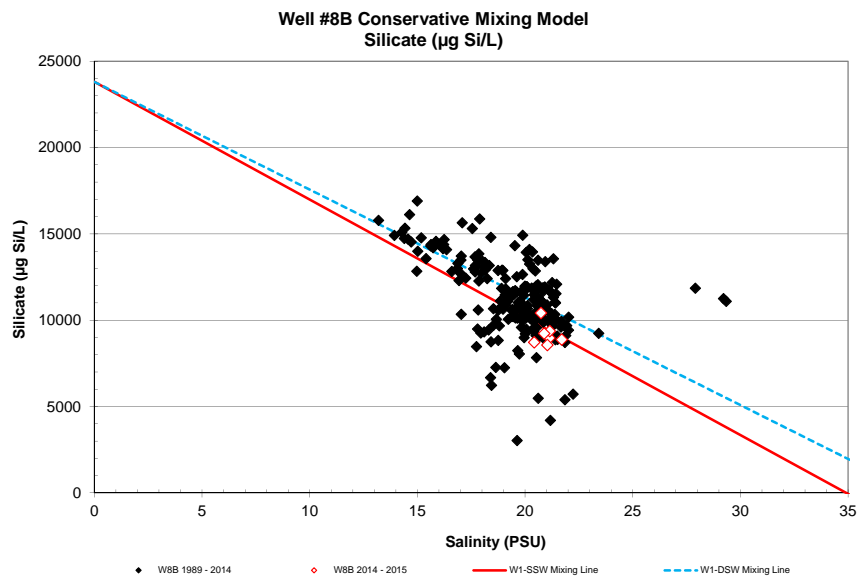
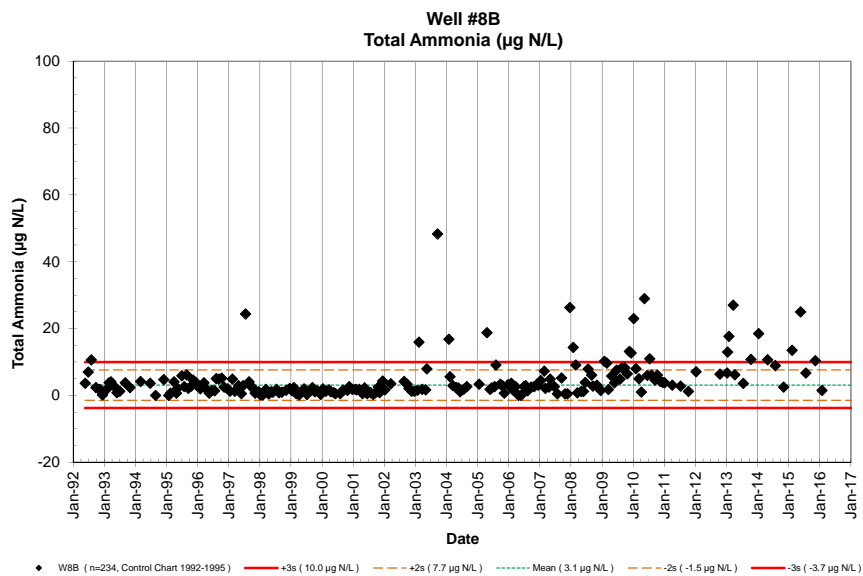
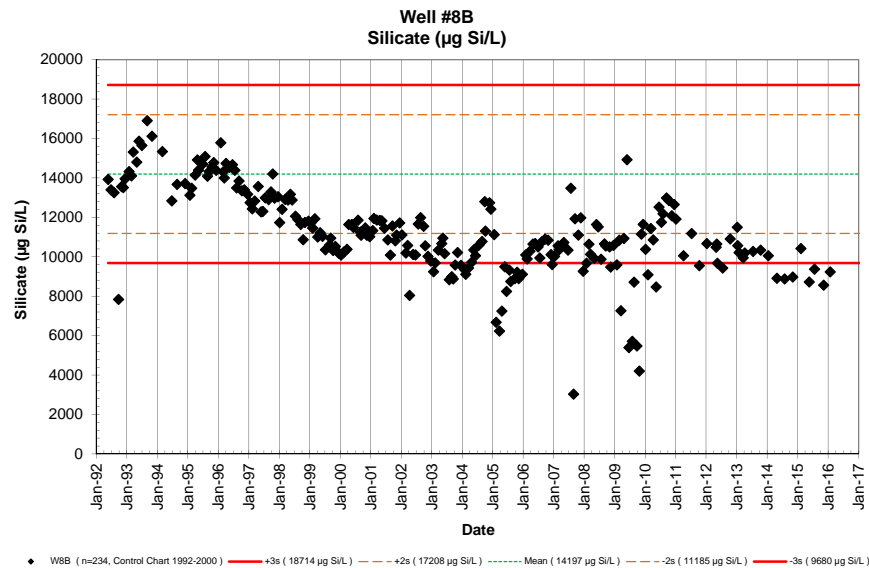
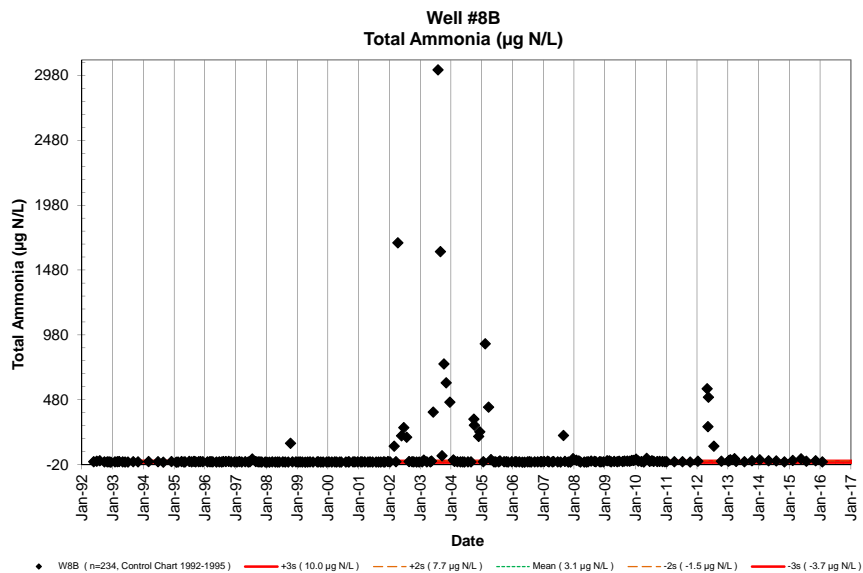
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NELHA Water Quality Laboratory

Well #8B

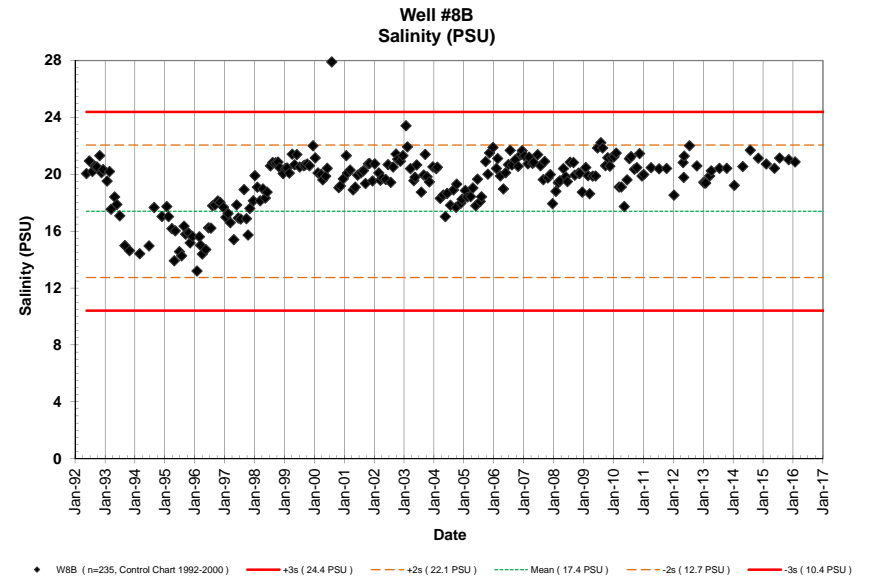
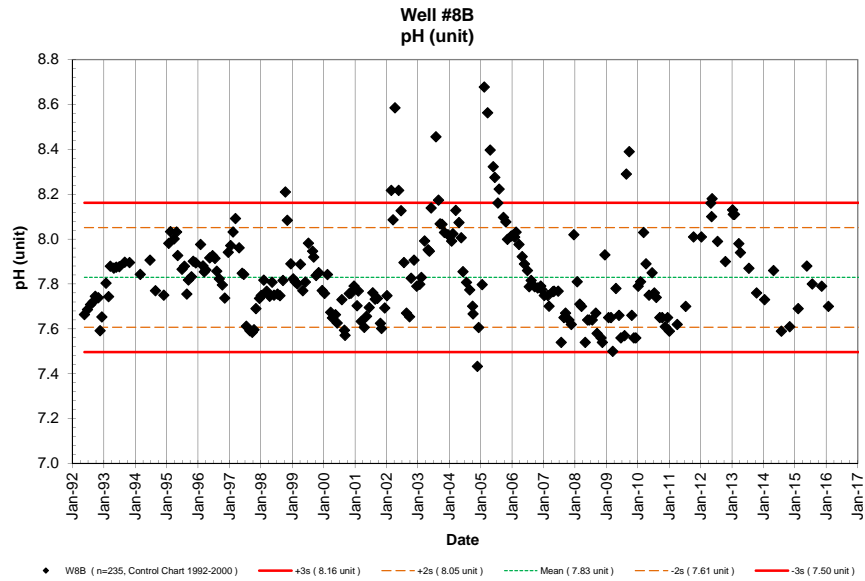
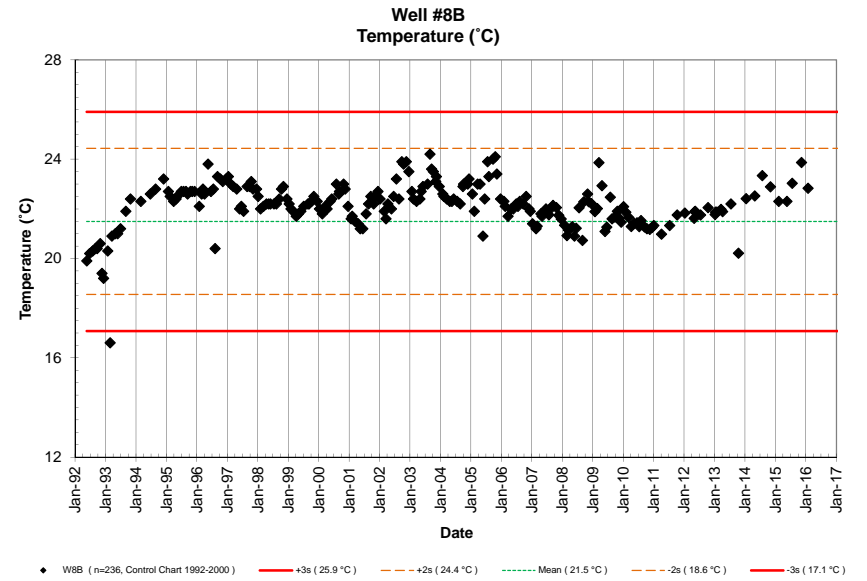
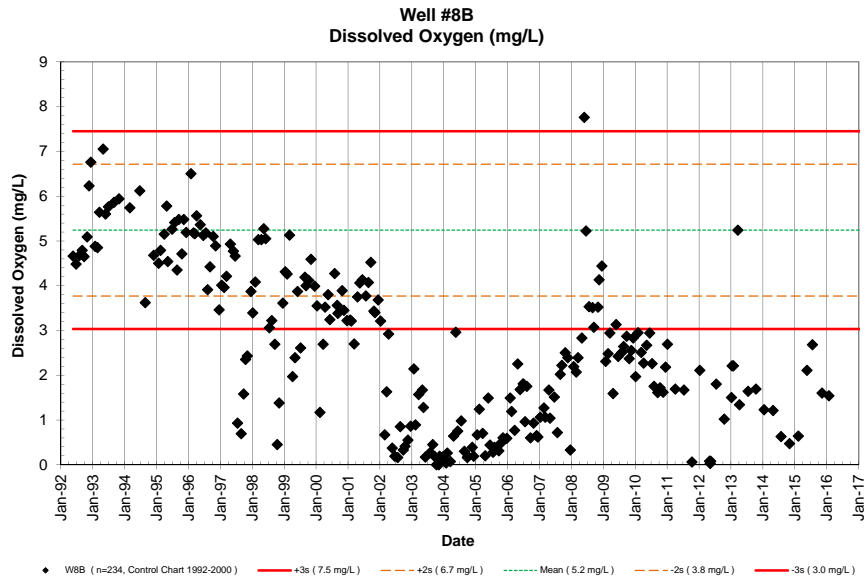
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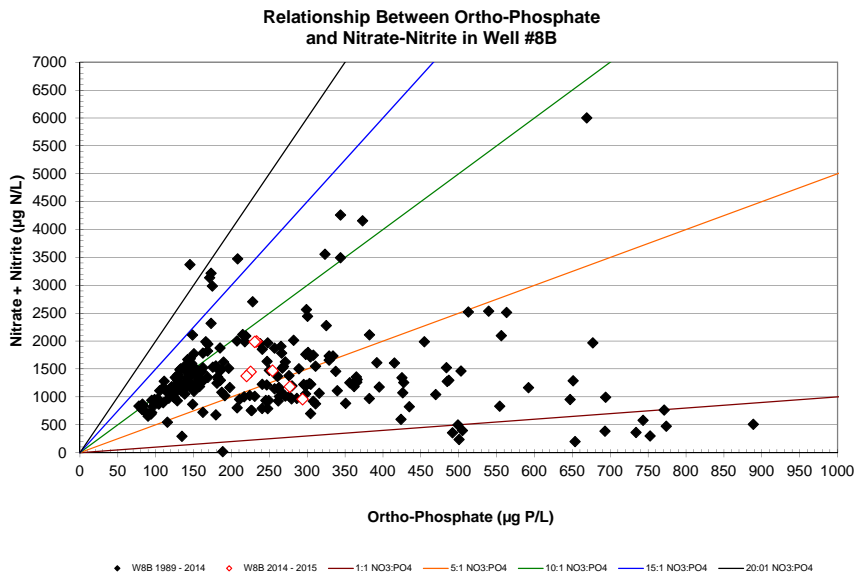
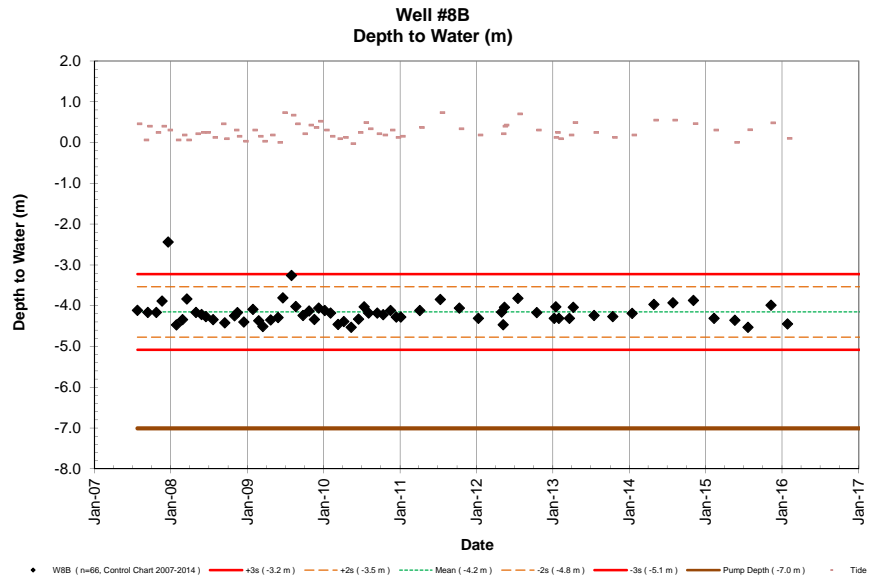
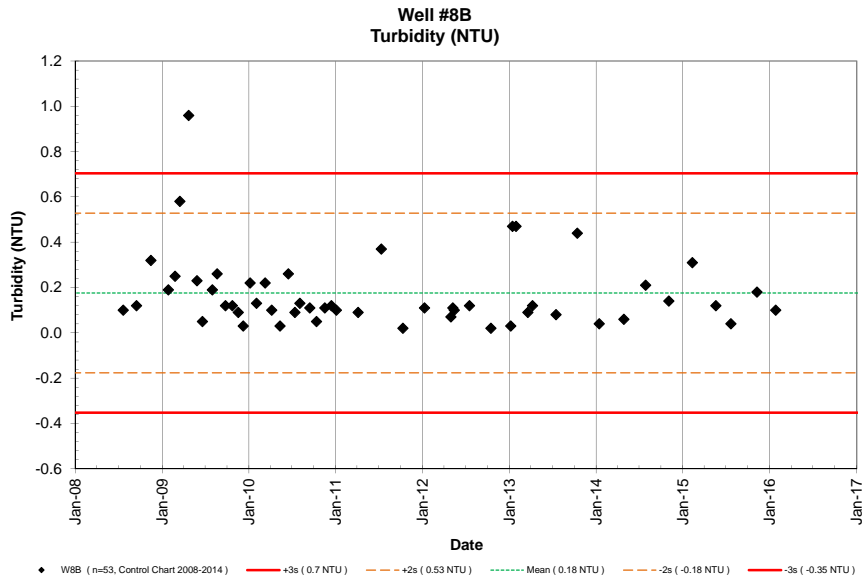
Well #8B

5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 8B
5/20/1992 - 4/4/2016



NELHA Water Quality Laboratory

Well 9 Data Table

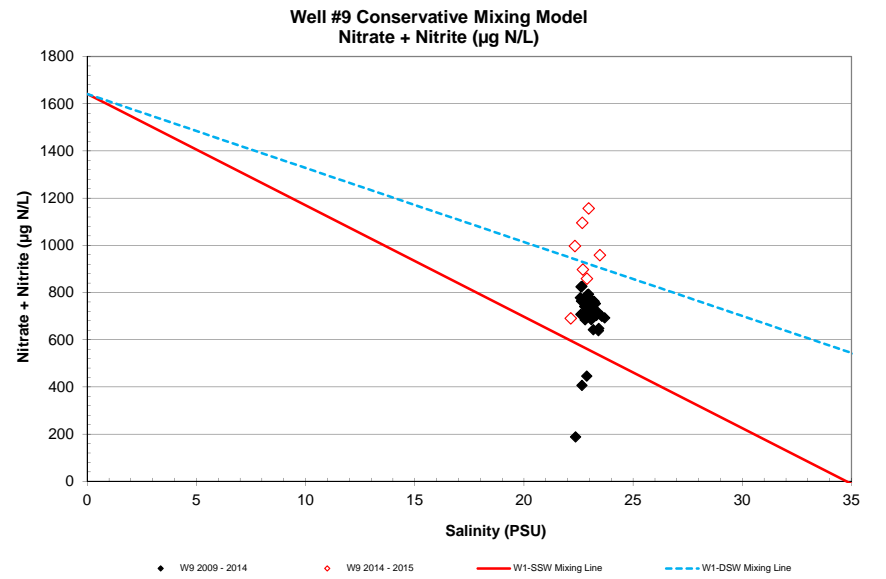
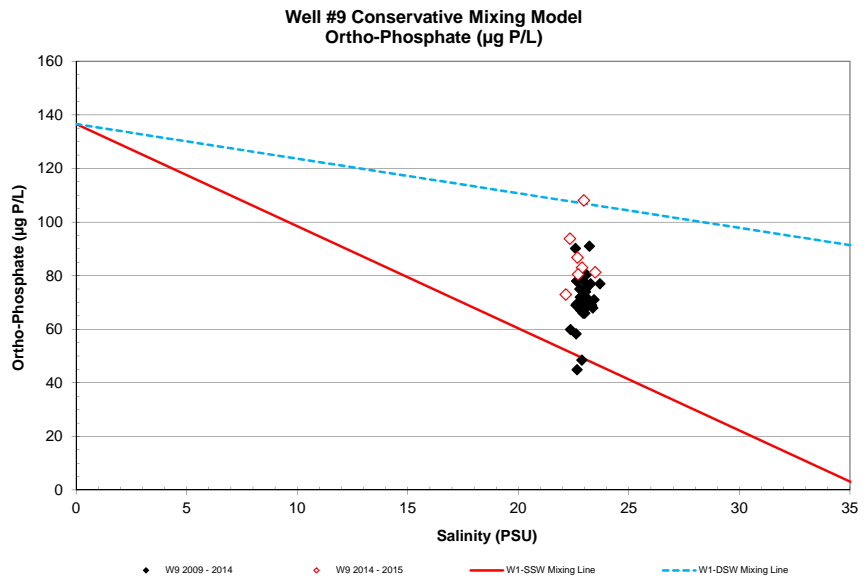
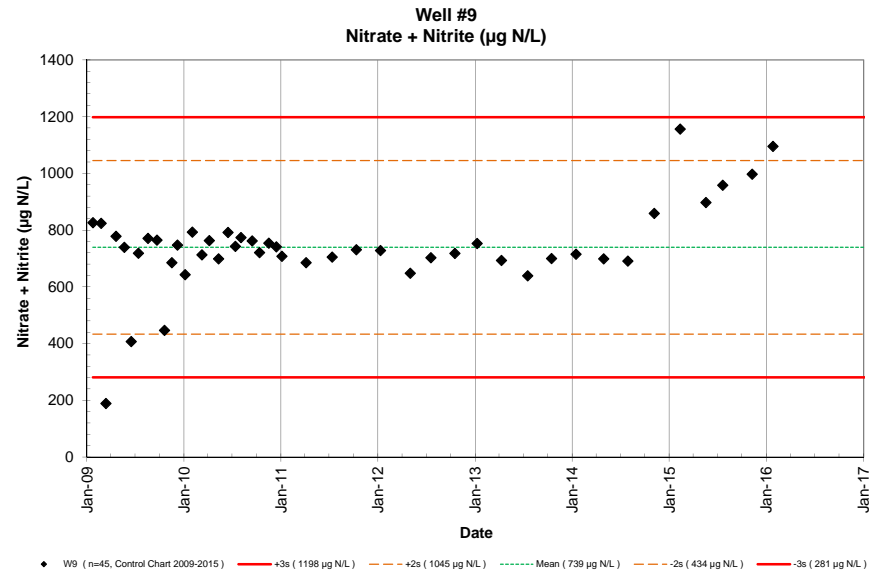
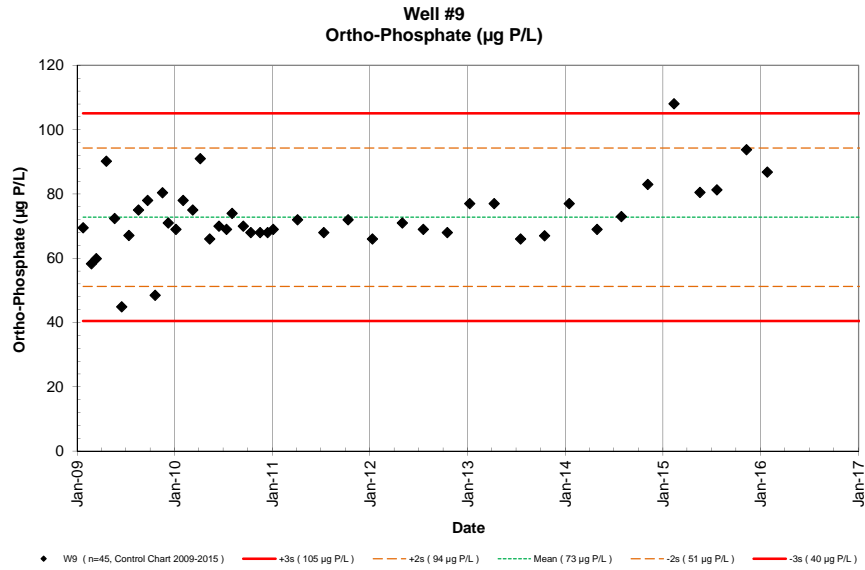
1/23/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W9	-25.908	1/23/09	1145	-8.50	0.09	Low	2.24	70	59.0	826	1.03	14.4	340	9561						
W9	-25.908	2/23/09	1355	-9.11	0.09	Ebb	1.88	58	58.8	824	0.15	2.1	367	10305						
W9	-25.908	3/13/09	1354	-9.36	0.09	Flood	1.93	60	13.5	189	0.13	1.8	274	7700						
W9	-25.908	4/20/09	1058	-9.32	0.21	Flood	2.91	90	55.6	778	0.36	5.0	272	7648						
W9	-25.908	5/21/09	1352	-9.35	0.55	Flood	2.34	72	52.8	740	0.19	2.7	506	14206						
W9	-25.908	6/16/09	1030	-9.14	0.40	Flood	1.45	45	29.1	407	0.27	3.8	93	2611						
W9	-25.908	7/13/09	1343	-9.15	0.21	Low	2.17	67	51.3	719	0.51	7.1	100	2795						
W9	-25.908	8/18/09	1333	-8.99	0.61	Flood	2.42	75	55.0	771	0.59	8.2	321	9023						
W9	-25.908	9/21/09	1220	-9.17	0.15	Low	2.52	78	54.6	765	0.61	8.6	185	5207						
W9	-25.908	10/19/09	1457	-9.26	0.21	Flood	1.57	49	31.9	447	0.32	4.5	115	3224						
W9	-25.908	11/16/09	1212	-9.30	0.09	Low	2.60	80	48.9	686	0.92	12.9	359	10093						
W9	-25.908	12/7/09	1045	-9.03	0.46	Ebb	2.29	71	53.3	747	0.94	13.2	359	10088						
W9	-25.908	1/5/10	815	-8.94	0.49	High	2.23	69	45.9	643	1.86	26.0	355	9975						
W9	-25.908	2/1/10	1018	-9.04	0.12	Ebb	2.52	78	56.6	793	0.57	8.0	316	8862						
W9	-25.908	3/9/10	951	-9.32	0.12	Flood	2.42	75	50.9	713	0.71	10.0	376	10563						
W9	-25.908	4/6/10	918	-9.33	0.12	Flood	2.94	91	54.5	763	1.57	22.0	381	10706						
W9	-25.908	5/11/10	936	-9.39	0.00	Flood	2.13	66	49.9	699	1.43	20.0	304	8545						
W9	-25.908	6/15/10	1035	-9.36	0.06	Ebb	2.26	70	56.5	792	0.43	6.0	402	11277						
W9	-25.908	7/13/10	948	-9.31	0.06	Ebb	2.23	69	53.0	743	0.57	8.0	391	10975						
W9	-25.908	8/3/10	940	-9.03	0.49	Flood	2.39	74	55.3	774	0.62	8.7	393	11036						
W9	-25.908	9/14/10	939	-8.92	0.58	High	2.26	70	54.4	762	0.28	3.9	404	11335						
W9	-25.908	10/12/10	945	-8.86	0.58	Ebb	2.20	68	51.5	721	0.34	4.8	406	11410						
W9	-25.908	11/16/10	913	-9.12	0.02	Flood	2.20	68	53.8	754	0.13	1.8	396	11119						
W9	-25.908	12/14/10	936	-9.07	0.34	Flood	2.20	68	52.9	741	0.32	4.5	402	11288						
W9	-25.908	1/4/11	938	-9.09	0.12	Ebb	2.23	69	50.5	708	0.22	3.1	371	10411						
W9	-25.908	4/5/11	1013	-9.26	-0.06	Low	2.32	72	48.9	685	0.10	1.4	352	9888						
W9	-25.908	7/12/11	929	-9.44	0.37	Flood	2.20	68	50.3	705	0.06	0.8	390	10958						
W9	-25.908	10/11/11	948	-9.18	0.12	Low	2.32	72	52.2	731	0.18	2.5	378	10619						
W9	-25.908	1/10/12	947	-9.11	0.21	Ebb	2.13	66	52.0	728	0.41	5.7	369	10358						
W9	-25.908	5/1/12	1004	-9.22	0.18	Flood	2.29	71	46.3	648	0.18	2.5	373	10485						
W9	-25.908	7/18/12	919	-9.34	0.00	Low	2.23	69	50.2	703	0.48	6.7	382	10736						
W9	-25.908	10/16/12	1000	-9.15	0.18	Ebb	2.20	68	51.3	718	0.13	1.8	379	10654						
W9	-25.908	1/8/13	1022	-9.20	0.12	Flood	2.49	77	53.8	753	1.65	23.1	428	12016						
W9	-25.908	4/9/13	956	-9.37	-0.09	Low	2.49	77	49.5	693	0.21	2.9	374	10491						
W9	-25.908	7/17/13	1017	-9.17	0.49	Flood	2.13	66	45.6	639	0.29	4.1	373	10469						
W9	-25.908	10/15/13	945	-9.20	0.27	Flood	2.16	67	50.0	700	0.34	4.8	367	10304						
W9	-25.908	1/15/14	922	-9.15	0.15	Ebb	2.49	77	51.0	715	0.64	9.0	361	10138						
W9	-25.908	4/29/14	1037	-9.45	0.00	Flood	2.23	69	49.9	699	0.36	5.1	359	10074						
W9	-25.908	7/29/14	1012	-9.25	0.12	Ebb	2.36	73	49.3	691	0.14	2.0	368	10331						
W9	-25.908	11/5/14	1013	-9.17	0.12	Low	2.68	83	61.3	859	0.11	1.5	351	9866						
W9	-25.908	2/11/15	915	-9.09	0.24	Ebb	3.49	108	82.6	1156	0.50	7.0	445	12508						
W9	-25.908	5/19/15	1436	-9.23	0.48	Flood	2.60	81	64.1	897	0.59	8.3	338	9480						
W9	-25.908	7/21/15	1123	-9.16	0.24	Ebb	2.62	81	68.4	958	0.34	4.7	344	9655						
W9	-25.908	11/9/15	933	-9.10	0.13	Low	3.03	94	71.2	997	0.35	4.9	346	9720						
W9	-25.908	1/26/16	1544	-9.29	0.35	Flood	2.80	87	78.2	1096	0.21	3.0	348	9778						
W9	-25.908	4/1/16																		

NELHA Water Quality Laboratory

Well 9

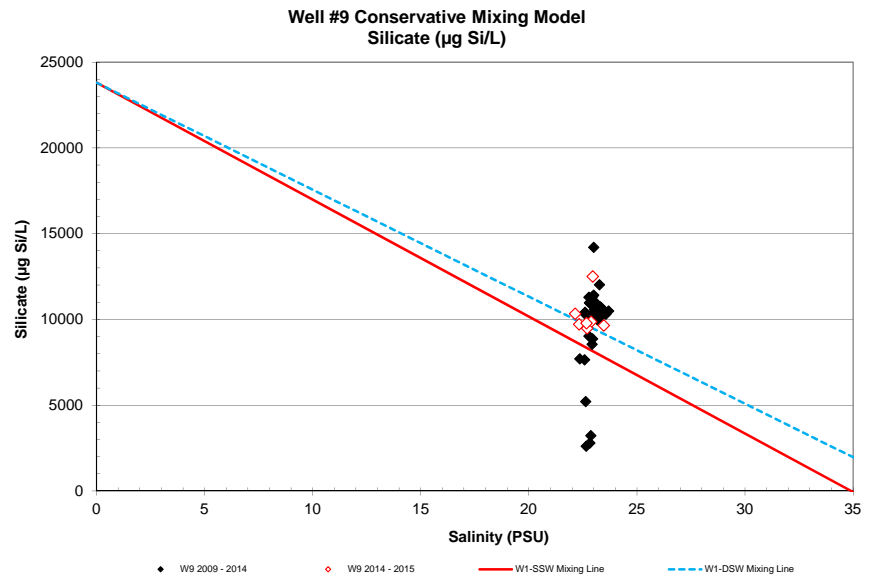
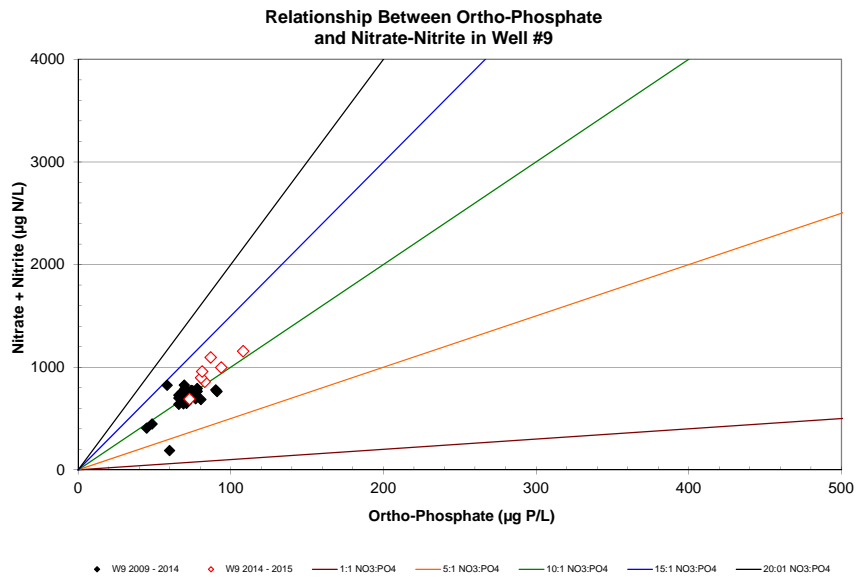
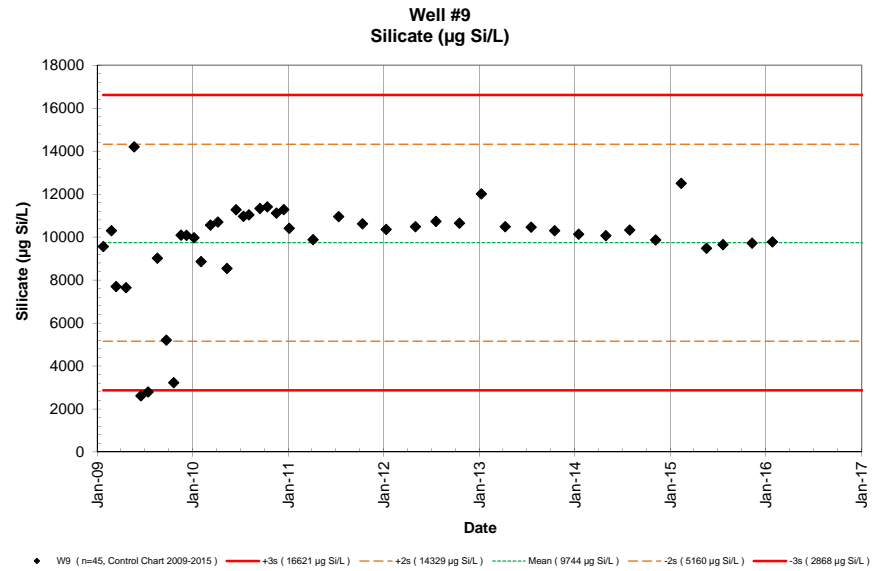
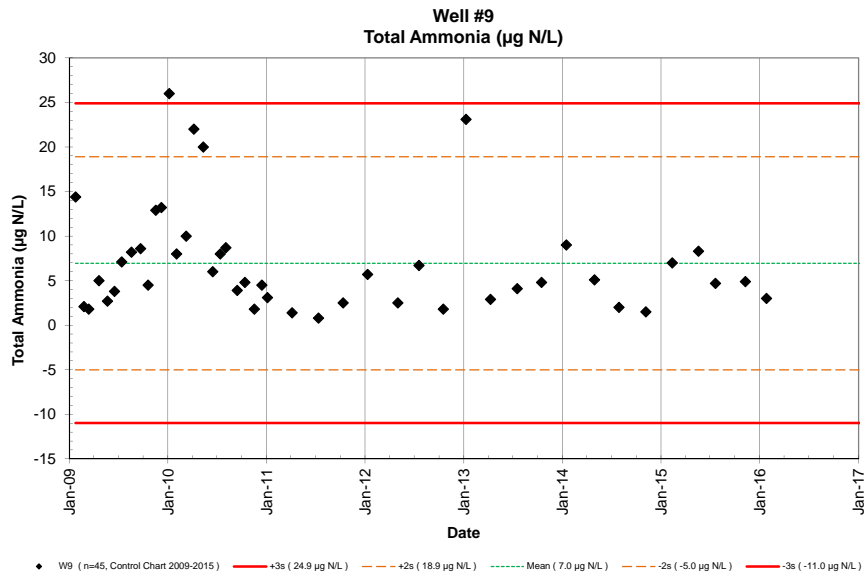
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Well 9

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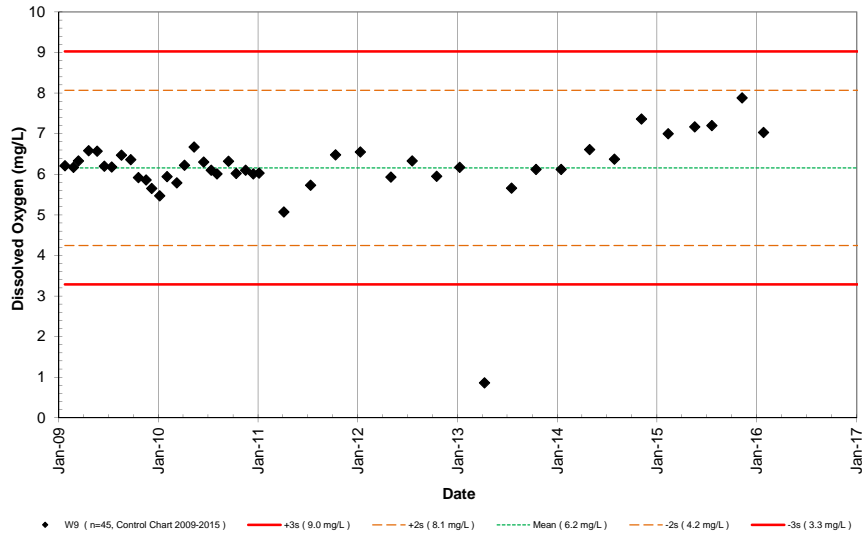


NELHA Water Quality Laboratory

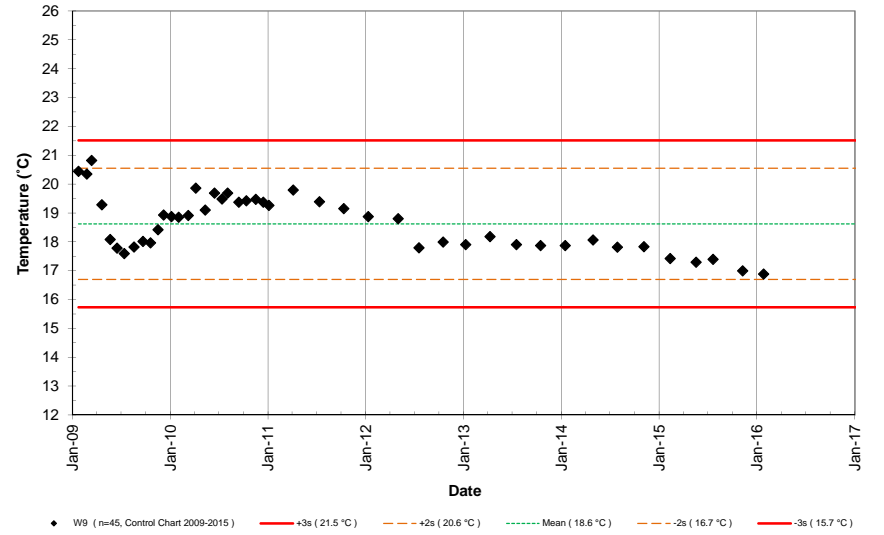
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1/23/2009 - 4/4/2016

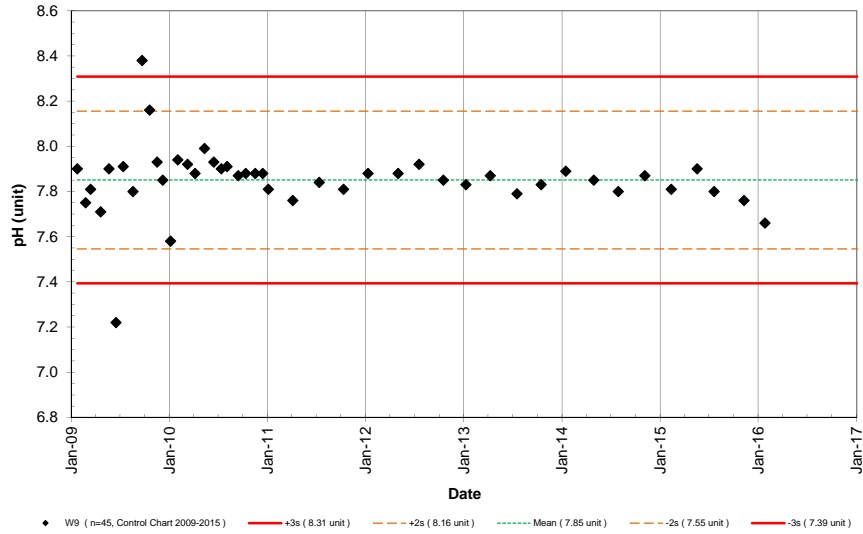
Well #9
Dissolved Oxygen (mg/L)



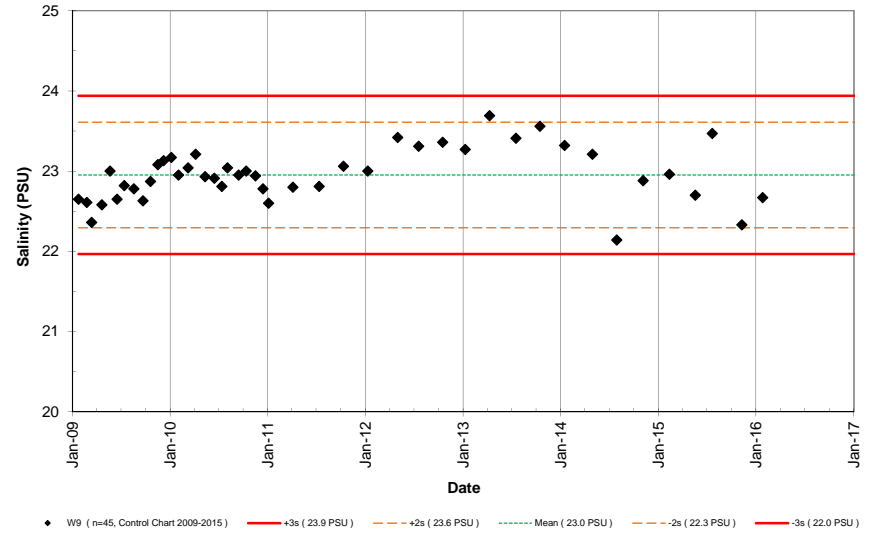
Well #9
Temperature (°C)



Well #9 Historical Data
pH (unit)



Well #9
Salinity (PSU)

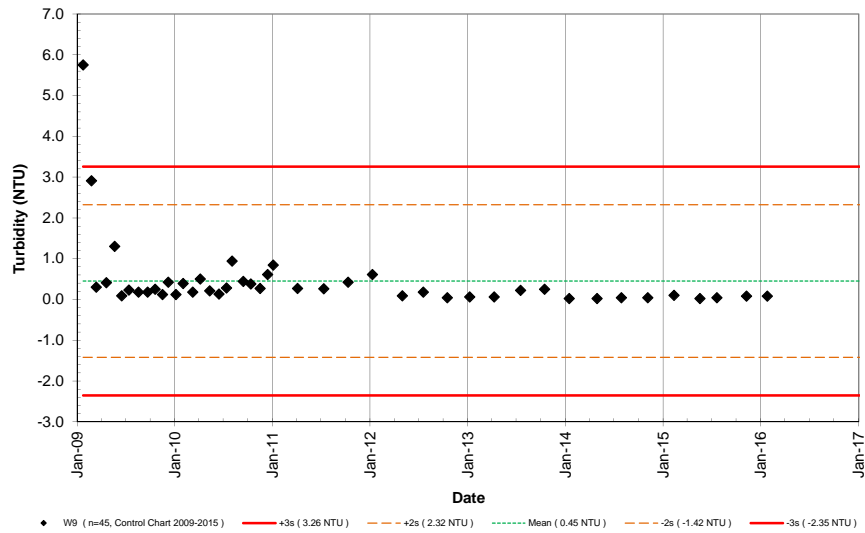


NELHA Water Quality Laboratory

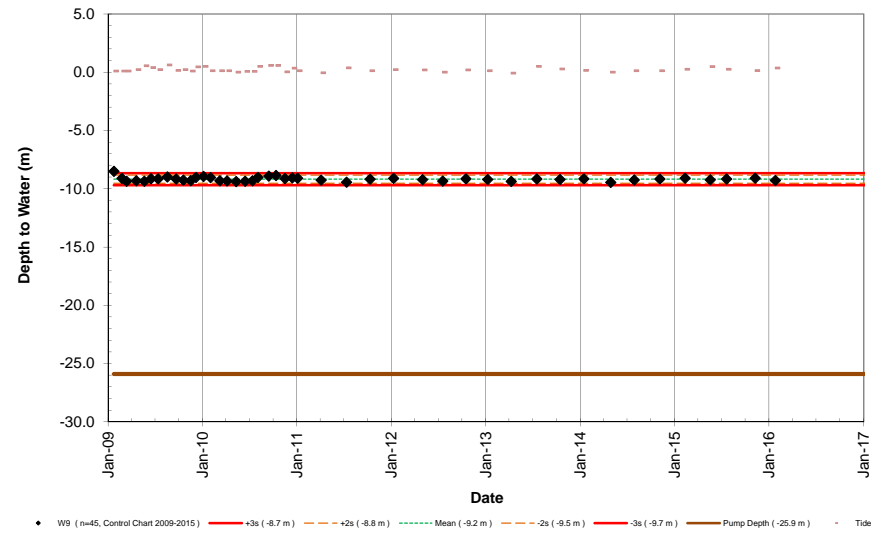
Well 9

1/23/2009 - 4/4/2016

Well #9
Turbidity (NTU)



Well #9
Depth to Water (m)



NELHA Water Quality Laboratory

Well 9A Data Table

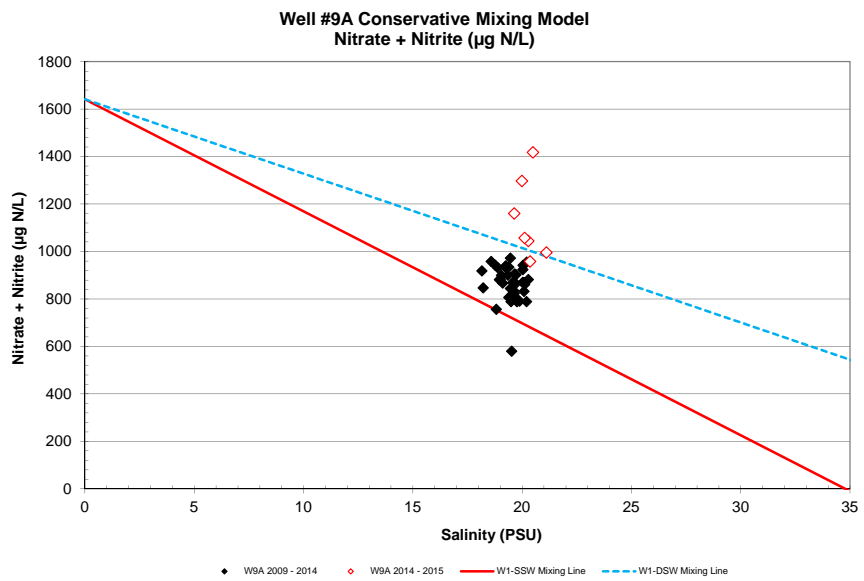
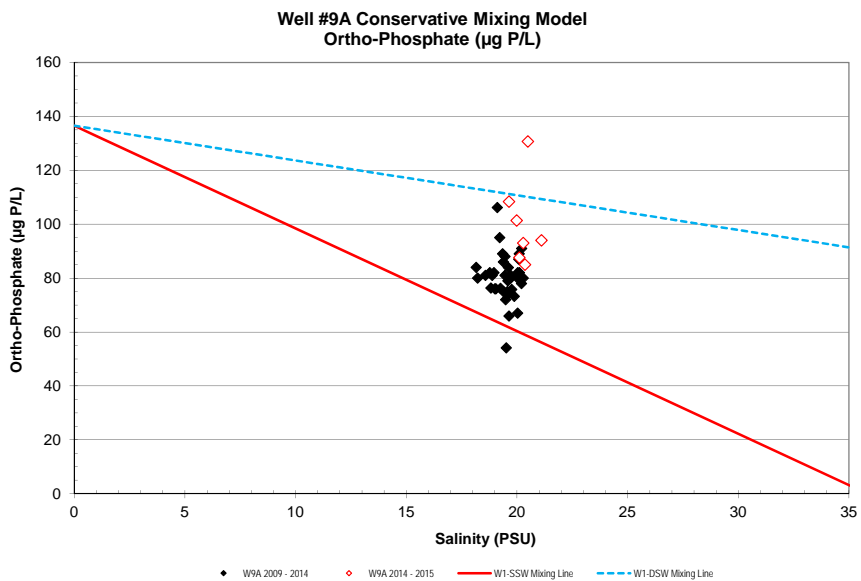
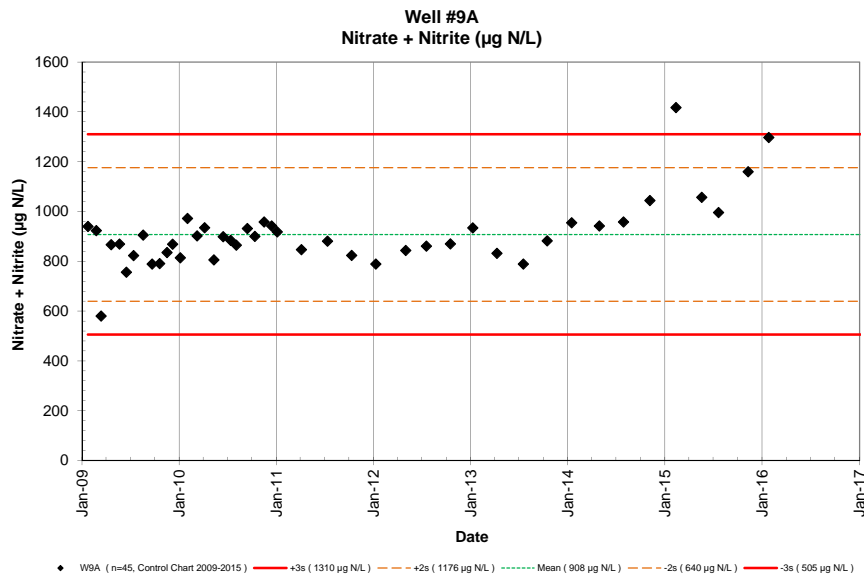
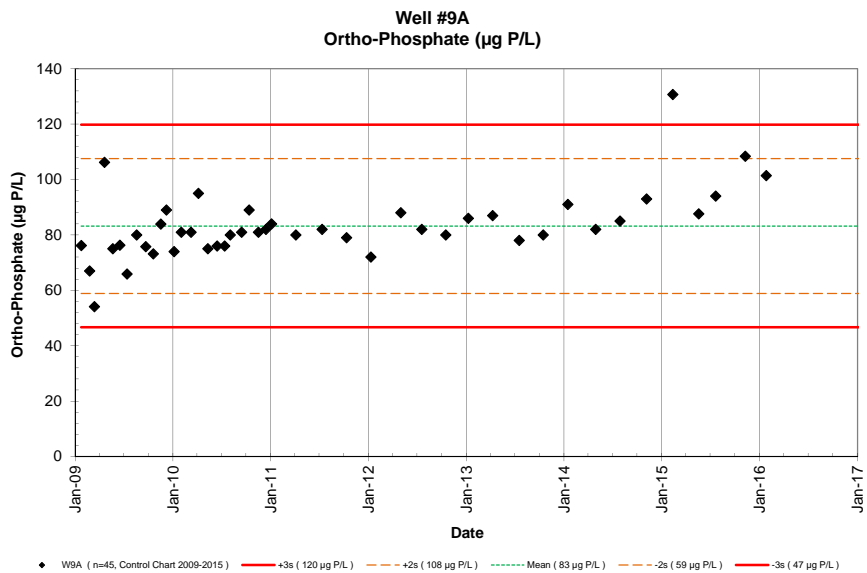
1/23/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W9A	-19.812	1/23/09	1130	-9.88	0.09	Low	2.46	76	67.1	940	0.21	3.0	405	11371						
W9A	-19.812	2/23/09	1340	-9.15	0.09	Ebb	2.16	67	65.9	923	0.15	2.1	408	11468						
W9A	-19.812	3/13/09	1338	-9.36	0.09	Flood	1.75	54	41.4	580	0.13	1.8	331	9286						
W9A	-19.812	4/20/09	1120	-9.24	0.21	Flood	3.43	106	61.9	867	0.42	5.9	368	10333						
W9A	-19.812	5/21/09	1057	-9.36	0.55	Flood	2.42	75	62.1	869	0.19	2.6	534	14987						
W9A	-19.812	6/16/09	1013	-9.07	0.40	Flood	2.46	76	54.0	756	0.42	5.9	242	6803						
W9A	-19.812	7/13/09	1322	-9.15	0.21	Low	2.13	66	58.8	823	0.29	4.0	147	4116						
W9A	-19.812	8/18/09	1315	-8.90	0.61	Flood	2.58	80	64.6	906	0.92	12.9	351	9866						
W9A	-19.812	9/21/09	1133	-9.10	0.15	Low	2.45	76	56.3	789	0.69	9.6	173	4862						
W9A	-19.812	10/19/09	1411	-9.18	0.21	Flood	2.36	73	56.5	791	0.46	6.5	206	5786						
W9A	-19.812	11/16/09	1140	-9.21	0.09	Low	2.71	84	59.7	836	0.79	11.0	414	11633						
W9A	-19.812	12/7/09	1142	-8.97	0.46	Ebb	2.87	89	62.0	869	0.79	11.0	434	12181						
W9A	-19.812	1/5/10	851	-8.91	0.49	High	2.39	74	58.1	814	1.71	24.0	429	12052						
W9A	-19.812	2/1/10	1035	-9.07	0.12	Ebb	2.62	81	69.4	972	0.57	8.0	405	11386						
W9A	-19.812	3/9/10	1008	-9.28	0.12	Flood	2.62	81	64.4	902	0.29	4.0	444	12477						
W9A	-19.812	4/6/10	936	-9.26	0.12	Flood	3.07	95	66.8	935	1.21	17.0	428	12015						
W9A	-19.812	5/11/10	1001	-9.32	0.00	Flood	2.42	75	57.5	806	2.36	33.0	453	12718						
W9A	-19.812	6/15/10	1043	-9.28	0.06	Ebb	2.45	76	64.2	899	0.36	5.0	456	12815						
W9A	-19.812	7/13/10	1002	-9.23	0.03	Ebb	2.45	76	63.1	884	0.86	12.0	479	13462						
W9A	-19.812	8/3/10	955	-8.94	0.49	Flood	2.58	80	61.8	865	0.96	13.4	457	12847						
W9A	-19.812	9/14/10	949	-8.87	0.58	High	2.62	81	66.5	932	0.46	6.5	488	13709						
W9A	-19.812	10/12/10	958	-8.16	0.58	Ebb	2.87	89	64.3	900	0.26	3.6	486	13641						
W9A	-19.812	11/16/10	919	-8.99	0.24	Flood	2.62	81	68.4	958	0.22	3.1	485	13622						
W9A	-19.812	12/14/10	948	-8.93	0.34	High	2.65	82	67.3	942	0.21	2.9	483	13558						
W9A	-19.812	1/4/11	946	-9.02	0.12	Ebb	2.71	84	65.5	918	0.34	4.7	468	13153						
W9A	-19.812	4/5/11	1023	-9.21	-0.06	Low	2.58	80	60.5	847	0.24	3.4	443	12436						
W9A	-19.812	7/12/11	941	-9.39	0.37	Flood	2.65	82	62.9	881	0.10	1.4	467	13107						
W9A	-19.812	10/11/11	1007	-9.10	0.12	Low	2.55	79	58.8	824	0.26	3.6	435	12220						
W9A	-19.812	1/10/12	956	-9.04	0.15	Ebb	2.32	72	56.3	789	0.44	6.1	420	11795						
W9A	-19.812	5/1/12	1014	-9.14	0.18	Flood	2.84	88	60.3	844	0.36	5.1	472	13252						
W9A	-19.812	7/18/12	931	-9.25	0.00	Low	2.65	82	61.5	861	0.50	7.0	443	12431						
W9A	-19.812	10/16/12	1008	-9.07	0.18	Ebb	2.58	80	62.1	870	0.21	2.9	441	12389						
W9A	-19.812	1/8/13	1029	-9.13	0.12	Flood	2.78	86	66.7	934	0.88	12.3	507	14246						
W9A	-19.812	4/9/13	1010	-9.30	-0.09	Low	2.81	87	59.4	832	2.65	37.1	434	12177						
W9A	-19.812	7/17/13	1043	-9.09	0.49	Flood	2.52	78	56.3	789	0.41	5.8	441	12398						
W9A	-19.812	10/15/13	952	-9.15	0.27	Flood	2.58	80	63.0	882	0.29	4.1	424	11914						
W9A	-19.812	1/15/14	929	-9.08	0.15	Ebb	2.94	91	68.2	955	0.46	6.4	411	11533						
W9A	-19.812	4/29/14	1045	-9.36	0.00	Flood	2.65	82	67.3	942	0.46	6.5	408	11467						
W9A	-19.812	7/29/14	1031	-9.17	0.12	Ebb	2.74	85	68.4	958	0.21	3.0	408	11457						
W9A	-19.812	11/5/14	1023	-9.07	0.12	Low	3.00	93	74.5	1044	0.36	5.0	403	11319						
W9A	-19.812	2/11/15	926	-9.00	0.24	Low	4.22	131	101.2	1418	0.40	5.6	560	15741						
W9A	-19.812	5/19/15	1427	-9.11	0.48	Flood	2.83	88	75.5	1057	0.39	5.5	376	10571						
W9A	-19.812	7/21/15	1111	-9.27	0.24	Ebb	3.03	94	71.1	996	0.02	0.3	386	10836						
W9A	-19.812	11/9/15	922	-9.02	0.12	Low	3.50	108	82.8	1160	0.21	2.9	417	11700						
W9A	-19.812	1/26/16	1534	-9.24	0.35	Flood	3.27	101	92.6	1297	0.00	0.0	401	11264						
W9A	-19.812	4/1/16																		

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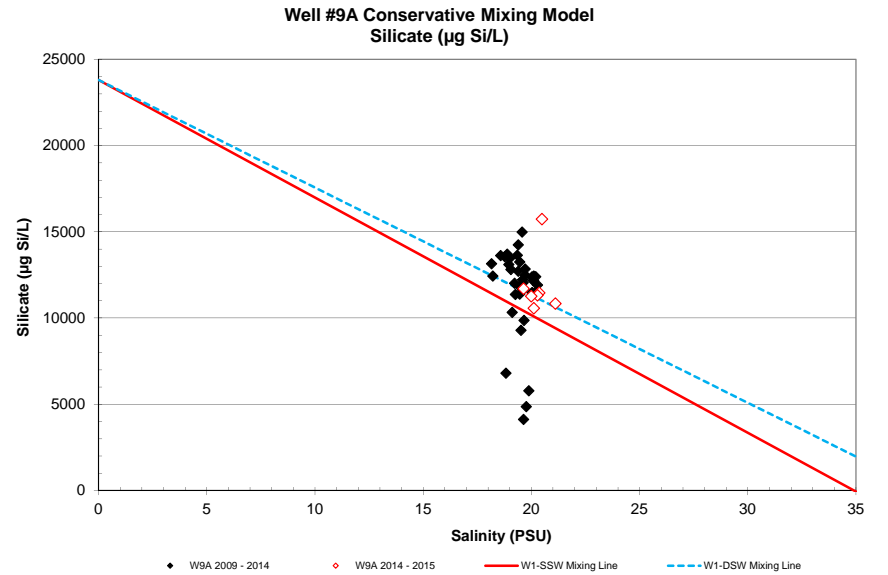
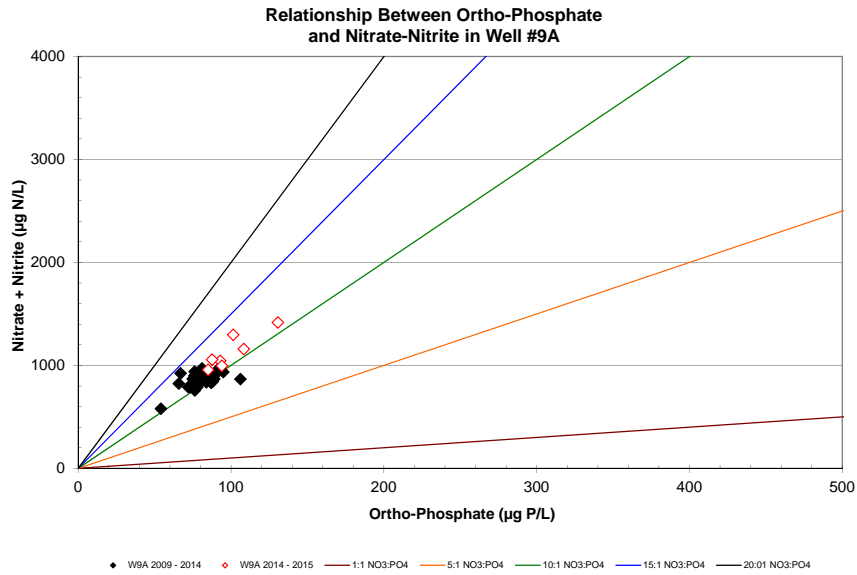
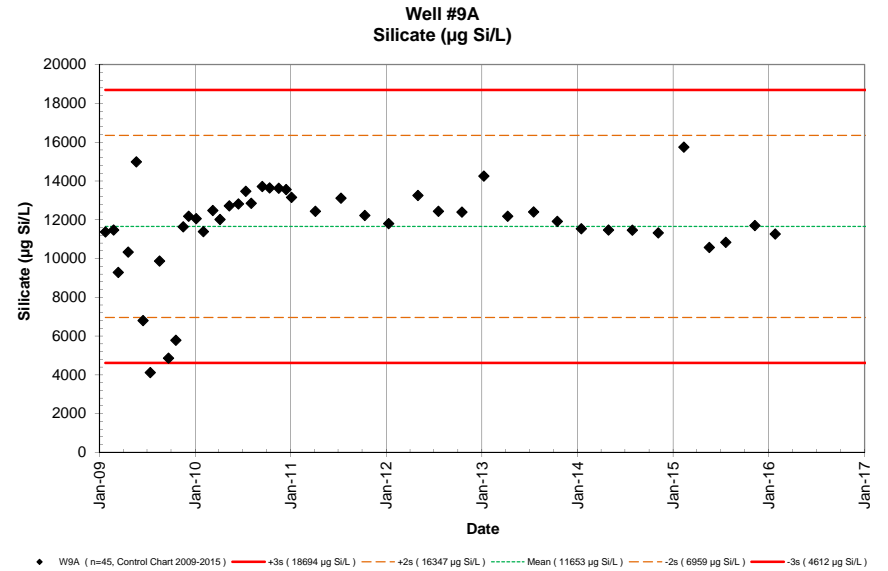
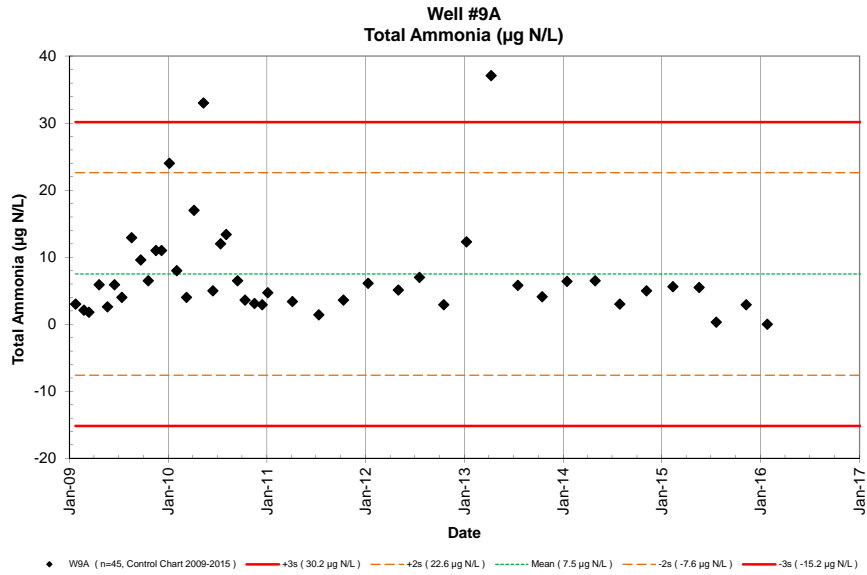
Well 9A

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NELHA Water Quality Laboratory

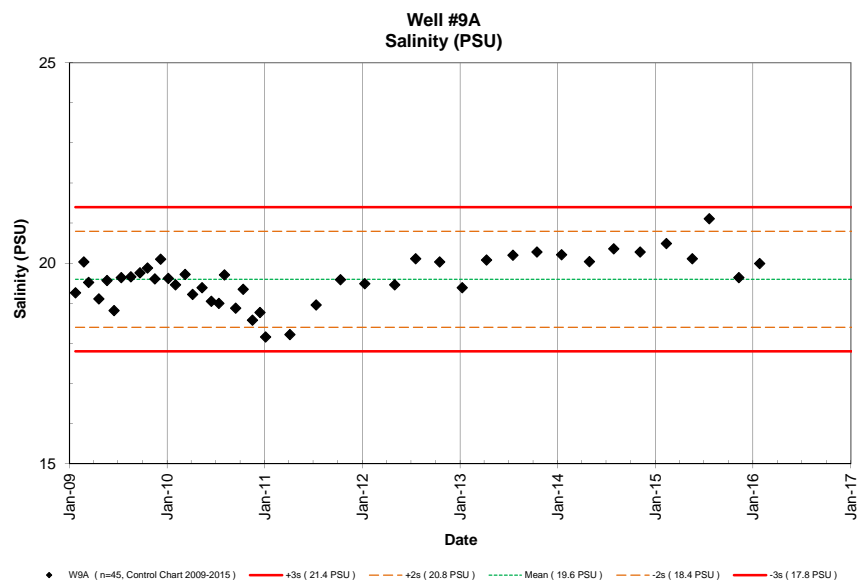
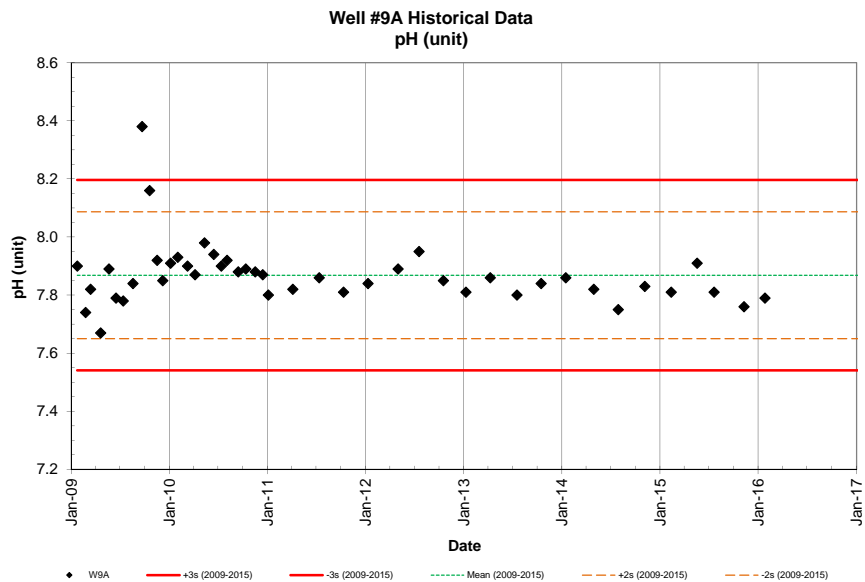
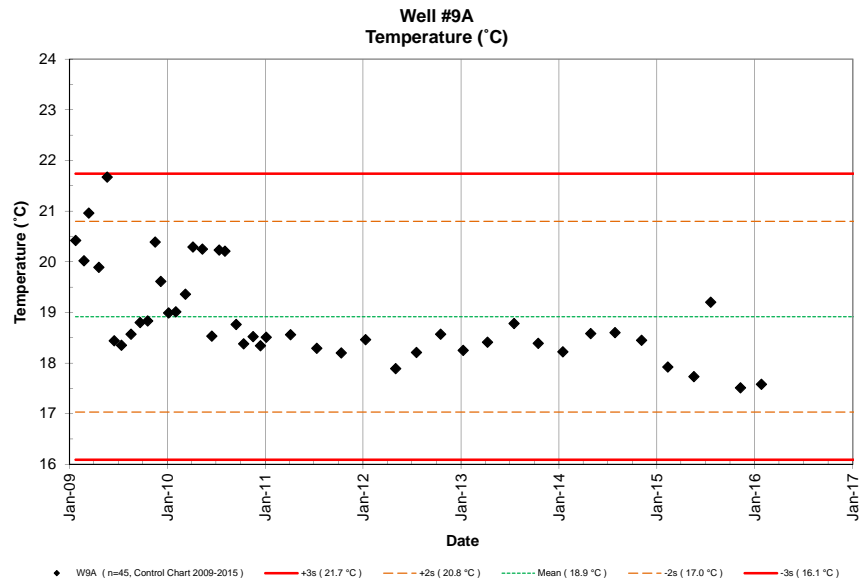
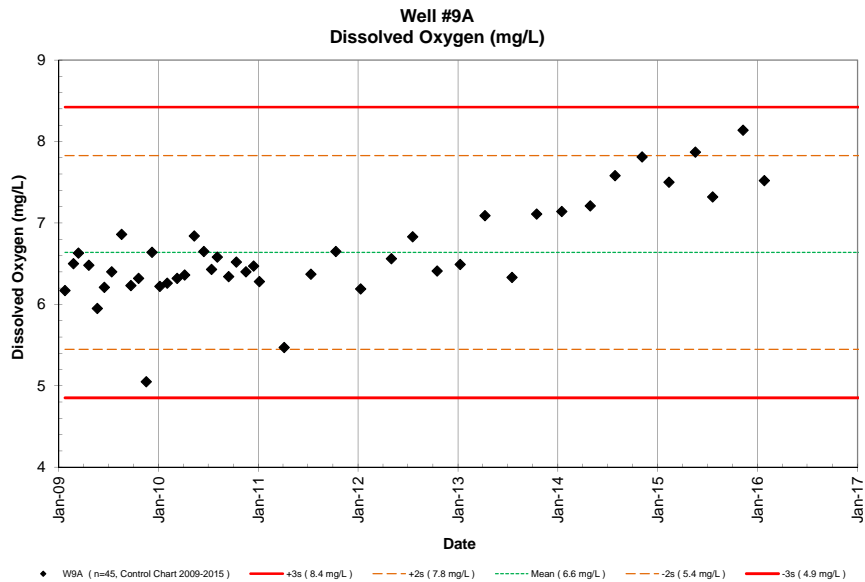
Well 9A
1/23/2009 - 4/4/2016



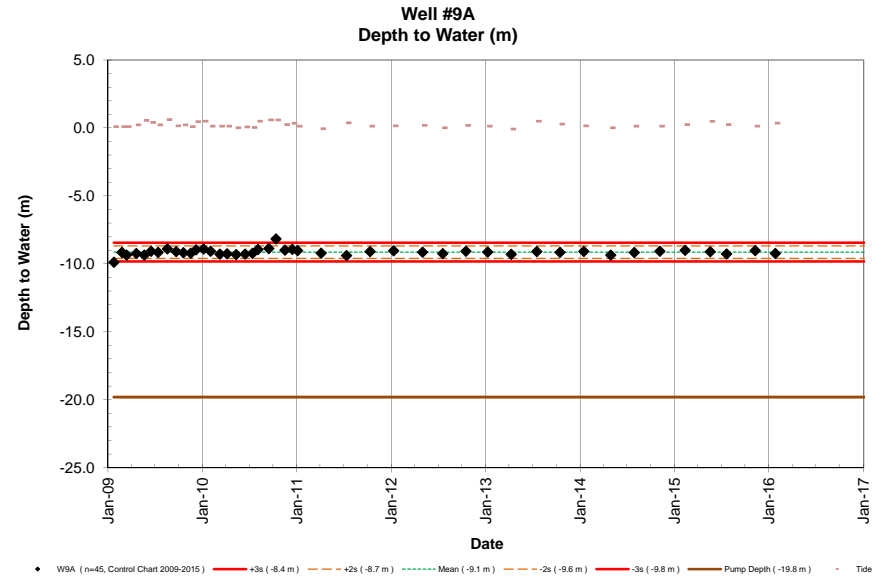
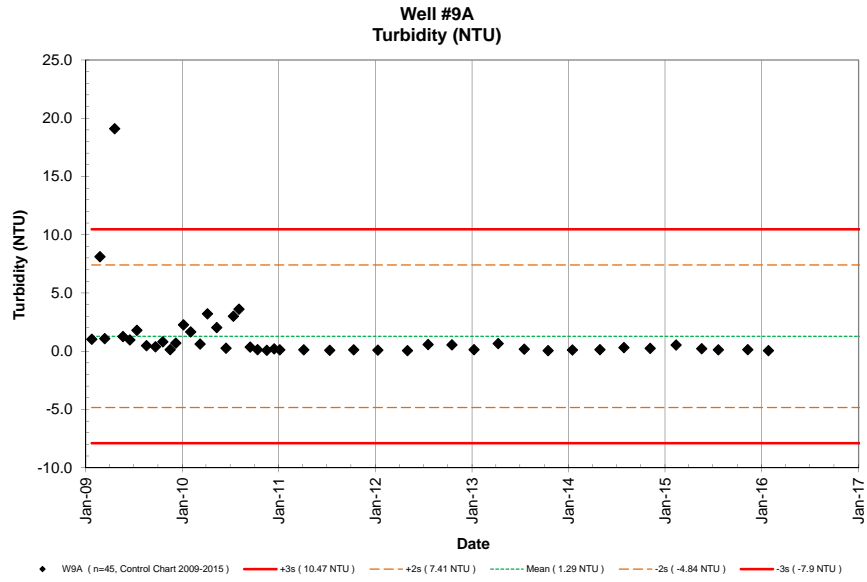
NELHA Water Quality Laboratory

Well 9A

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NELHA Water Quality Laboratory
 Well 9A
 1/23/2009 - 4/4/2016



NELHA Water Quality Laboratory

Well 9B Data Table

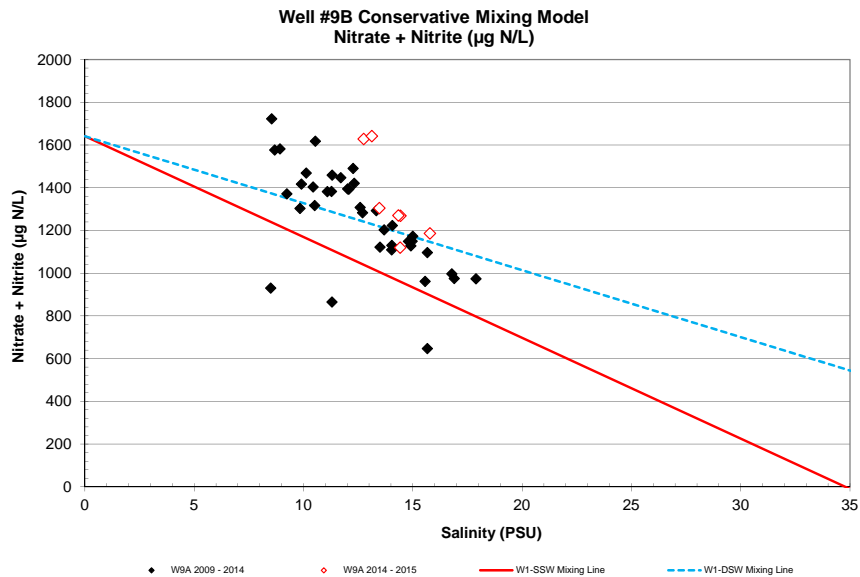
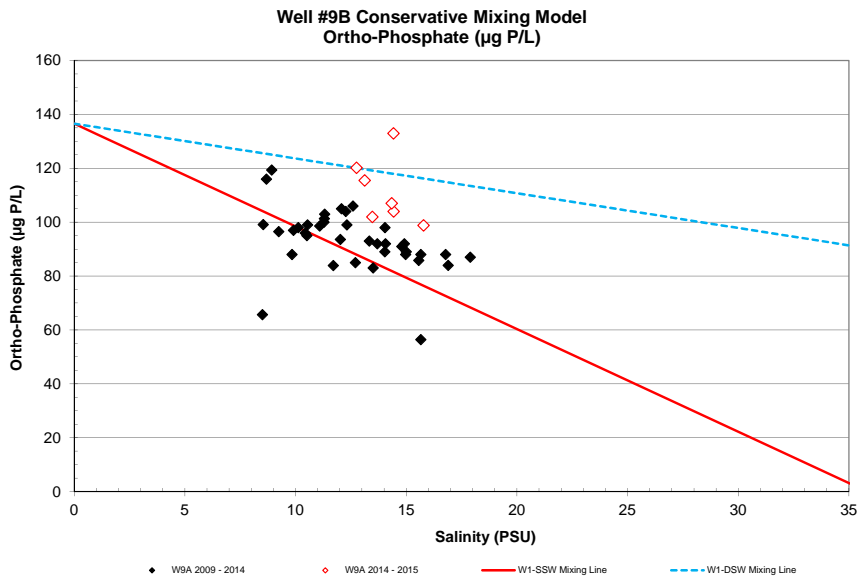
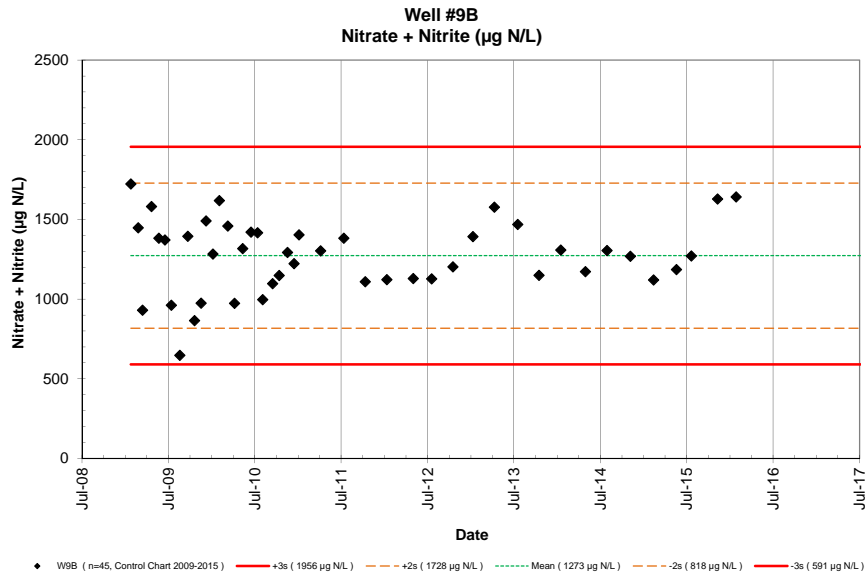
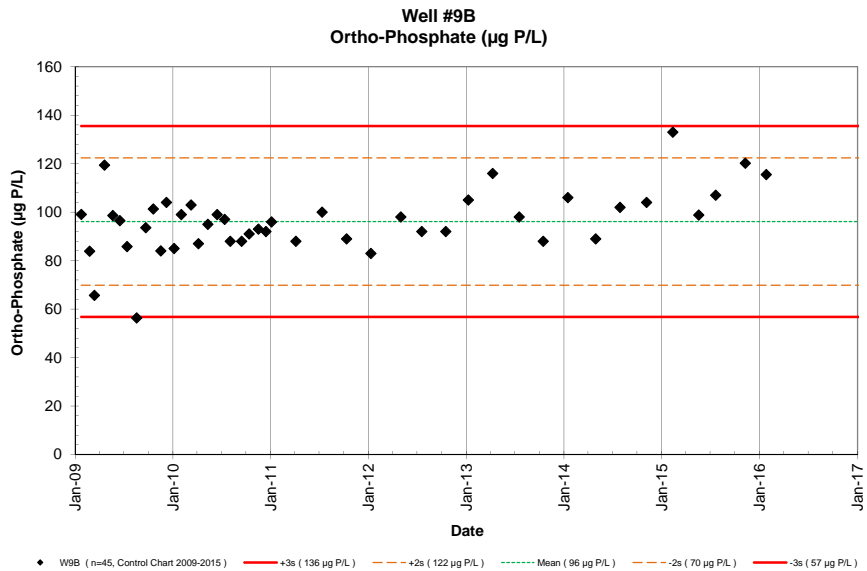
1/23/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W9B	-13.716	1/23/09	1115	-9.24	0.09	Low	3.20	99	123.0	1723	0.28	3.9	560	15730						
W9B	-13.716	2/23/09	1328	-9.15	0.09	Ebb	2.71	84	103.3	1447	0.15	2.1	560	15726						
W9B	-13.716	3/13/09	1313	-9.33	0.09	Flood	2.12	66	66.4	931	0.13	1.8	423	11887						
W9B	-13.716	4/20/09	1131	-9.22	0.21	Flood	3.85	119	112.9	1582	0.32	4.5	525	14757						
W9B	-13.716	5/21/09	1033	-9.26	0.55	Flood	3.18	99	98.7	1382	0.18	2.5	381	10712						
W9B	-13.716	6/16/09	1001	-9.14	0.40	Flood	3.12	97	97.9	1371	0.44	6.2	300	8415						
W9B	-13.716	7/13/09	1307	-9.17	0.21	Low	2.77	86	68.7	962	0.40	5.6	259	7270						
W9B	-13.716	8/18/09	1302	-8.93	0.61	Flood	1.82	56	46.2	648	0.32	4.5	366	10266						
W9B	-13.716	9/21/09	1101	-9.11	0.15	Low	3.02	94	99.6	1395	0.46	6.4	238	6674						
W9B	-13.716	10/19/09	1346	-9.21	0.21	Flood	3.27	101	61.8	865	4.98	69.8	255	7152						
W9B	-13.716	11/16/09	1105	-9.29	0.09	Low	2.71	84	69.6	975	0.81	11.4	608	17071						
W9B	-13.716	12/7/09	1128	-9.02	0.46	Ebb	3.36	104	106.4	1491	0.54	7.6	582	16342						
W9B	-13.716	1/5/10	902	-8.96	0.49	High	2.74	85	91.6	1283	1.29	18.0	467	13104						
W9B	-13.716	2/1/10	1029	-9.03	0.12	Ebb	3.20	99	115.5	1618	0.43	6.0	461	12938						
W9B	-13.716	3/9/10	940	-9.30	0.12	Flood	3.33	103	104.2	1459	0.14	2.0	558	15660						
W9B	-13.716	4/6/10	927	-9.29	0.12	Flood	2.81	87	69.5	974	0.43	6.0	525	14739						
W9B	-13.716	5/11/10	946	-9.33	0.00	Flood	3.07	95	94.0	1317	2.28	32.0	683	19181						
W9B	-13.716	6/15/10	1026	-9.28	0.06	Ebb	3.20	99	101.5	1421	0.43	6.0	610	17139						
W9B	-13.716	7/13/10	956	-9.27	0.03	Ebb	3.13	97	101.2	1417	0.50	7.0	613	17228						
W9B	-13.716	8/3/10	945	-8.97	0.49	Flood	2.84	88	71.2	997	3.34	46.8	525	14756						
W9B	-13.716	9/14/10	1000	-8.90	0.58	High	2.84	88	78.3	1097	0.44	6.1	558	15685						
W9B	-13.716	10/12/10	1010	-8.80	0.58	Ebb	2.94	91	82.0	1149	0.36	5.1	577	16194						
W9B	-13.716	11/16/10	929	-9.06	0.24	Flood	3.00	93	92.3	1293	0.25	3.5	588	16524						
W9B	-13.716	12/14/10	1009	-8.99	0.34	High	2.97	92	87.3	1223	0.34	4.8	574	16113						
W9B	-13.716	1/4/11	958	-9.04	0.12	Ebb	3.10	96	100.2	1404	0.21	3.0	576	16176						
W9B	-13.716	4/5/11	1032	-9.22	-0.06	Low	2.84	88	93.0	1303	0.12	1.7	525	14744						
W9B	-13.716	7/12/11	957	-9.37	0.37	Flood	3.23	100	98.7	1383	0.19	2.6	605	16998						
W9B	-13.716	10/11/11	1015	-9.11	0.12	Low	2.87	89	79.2	1109	0.15	2.1	542	15234						
W9B	-13.716	1/10/12	1007	-9.07	0.15	Ebb	2.68	83	80.1	1122	0.96	13.4	529	14857						
W9B	-13.716	5/1/12	1022	-9.17	0.18	Flood	3.16	98	80.7	1130	0.46	6.4	585	16440						
W9B	-13.716	7/18/12	927	-9.28	0.00	Low	2.97	92	80.5	1128	0.45	6.3	545	15302						
W9B	-13.716	10/16/12	1016	-9.11	0.18	Ebb	2.97	92	85.9	1203	0.39	5.5	556	15616						
W9B	-13.716	1/8/13	1036	-9.15	0.12	Flood	3.39	105	99.5	1393	0.50	7.0	620	17409						
W9B	-13.716	4/9/13	1003	-9.32	-0.09	Low	3.75	116	112.6	1577	1.16	16.3	652	18302						
W9B	-13.716	7/17/13	1028	-9.14	0.49	Flood	3.16	98	104.9	1469	0.50	7.0	566	15889						
W9B	-13.716	10/15/13	1001	-9.16	0.27	Flood	2.84	88	82.1	1150	0.56	7.9	530	14872						
W9B	-13.716	1/15/14	938	-9.09	0.15	Ebb	3.42	106	93.4	1308	0.53	7.4	516	14506						
W9B	-13.716	4/29/14	1052	-9.38	0.00	Flood	2.87	89	83.7	1173	0.44	6.1	490	13775						
W9B	-13.716	7/29/14	1031	-9.17	0.12	Ebb	3.29	102	93.2	1305	0.43	6.0	542	15222						
W9B	-13.716	11/5/14	1031	-9.12	0.12	Low	3.36	104	90.6	1269	0.12	1.7	500	14029						
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W9B	-13.716	5/19/15	1416	-9.20	0.48	Flood	3.19	99	84.7	1186	0.31	4.3	458	12873						
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W9B	-13.716	11/9/15	909	-9.03	0.1	Low	3.88	120	116.3	1628	0.02	0.3	585	16442						
W9B	-13.716	1/26/16	1522	-9.18	0.35	Flood	3.73	116	117.2	1642	0.16	2.3	525	14753						
W9B	-13.716	4/1/16																		

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Well 9B

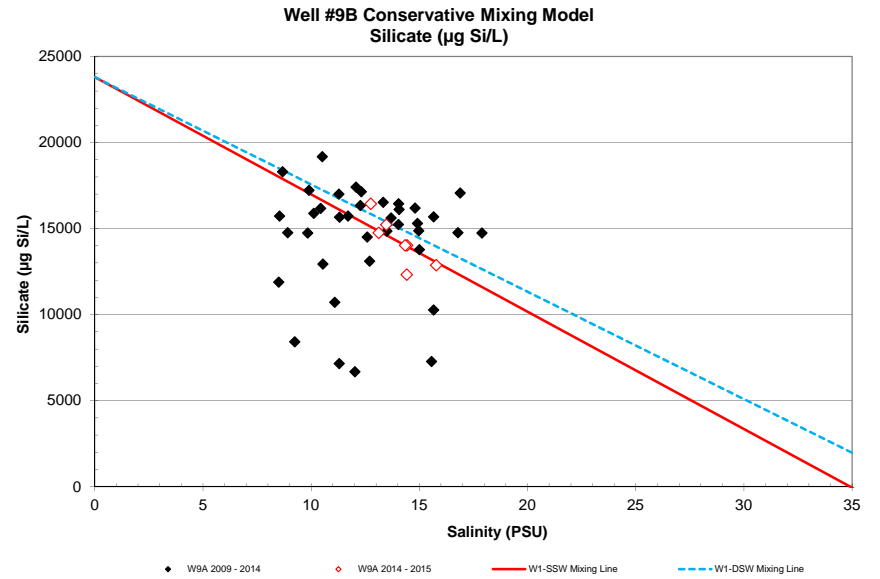
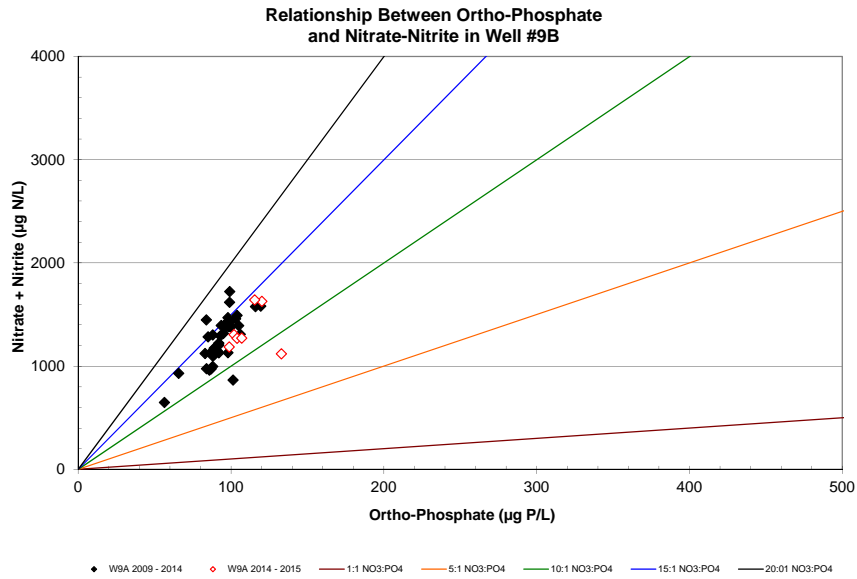
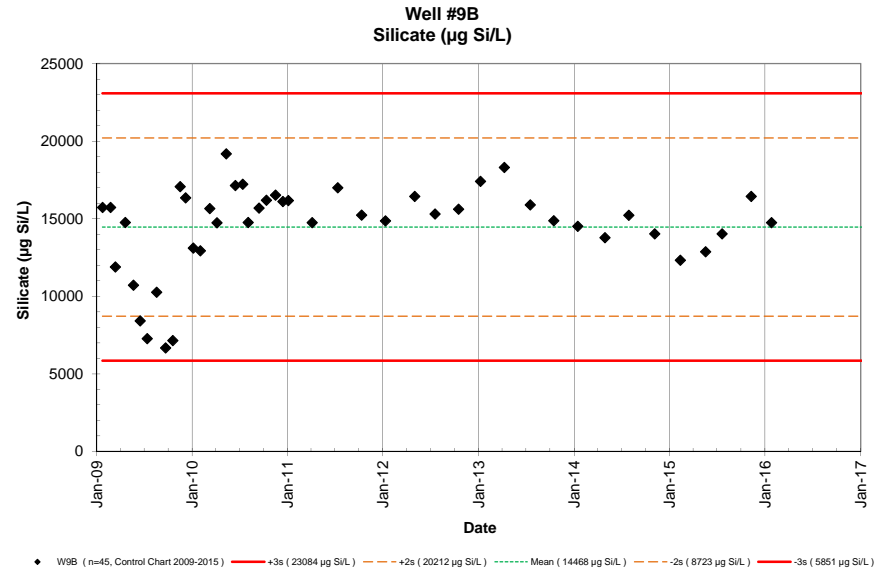
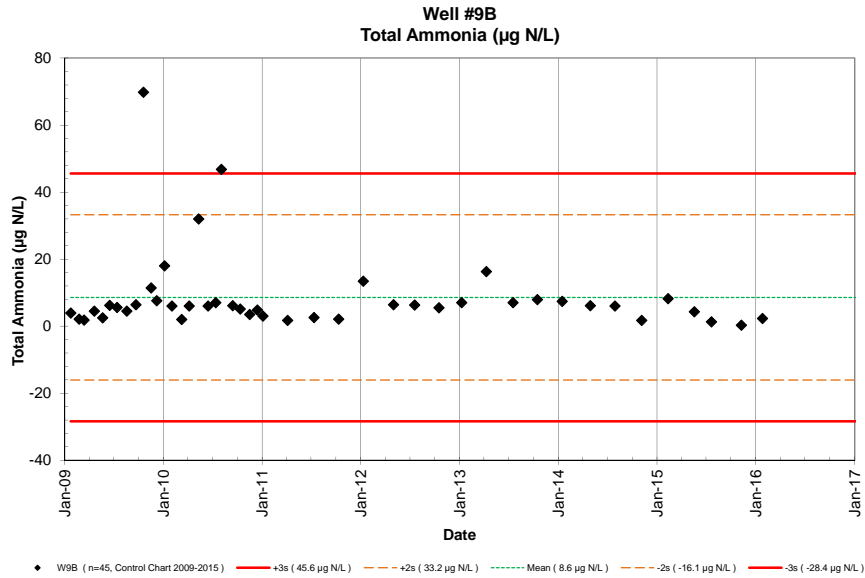
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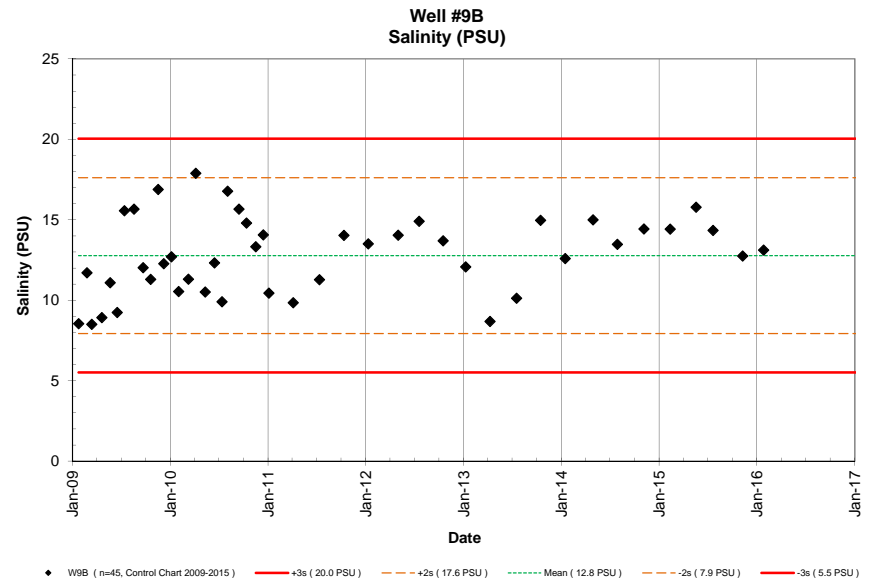
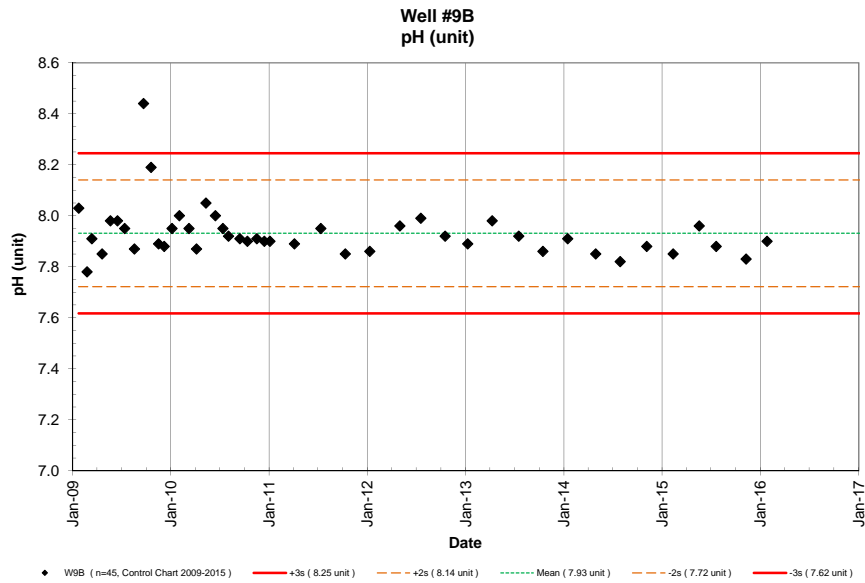
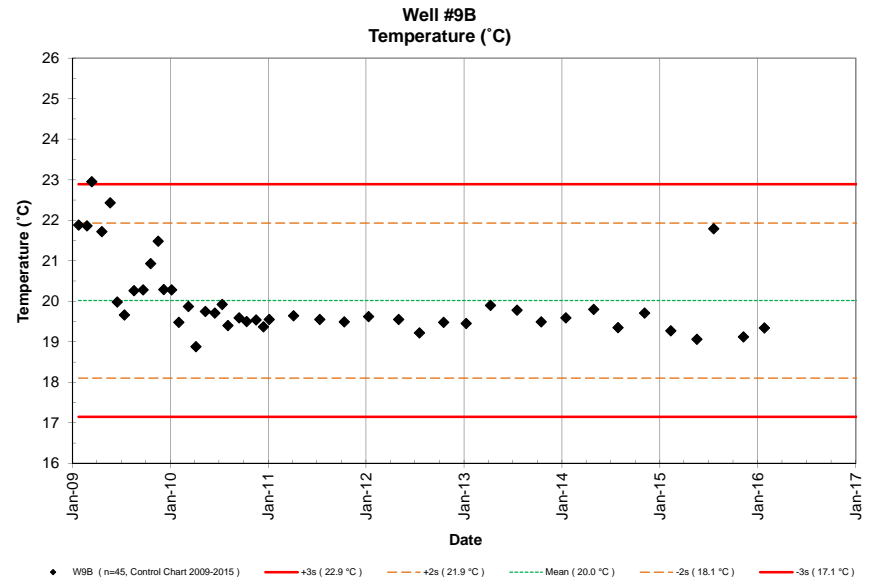
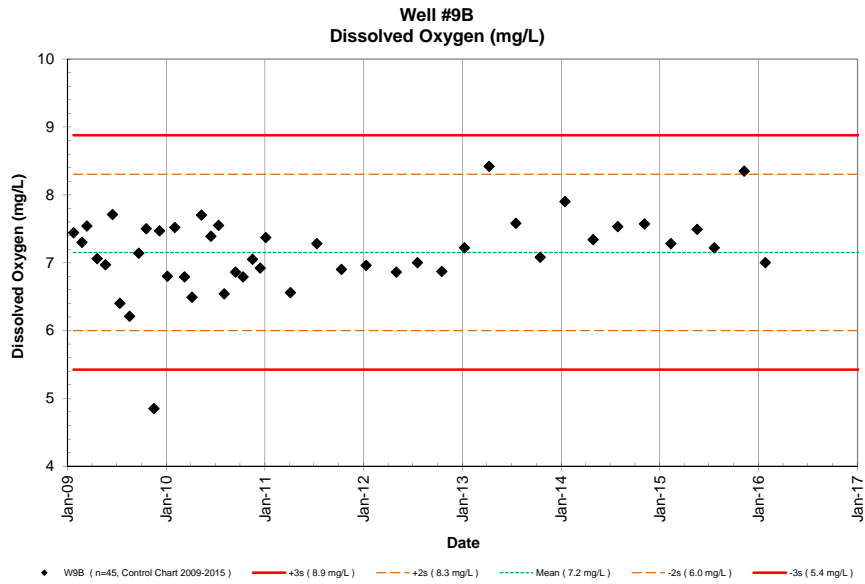
Well 9B

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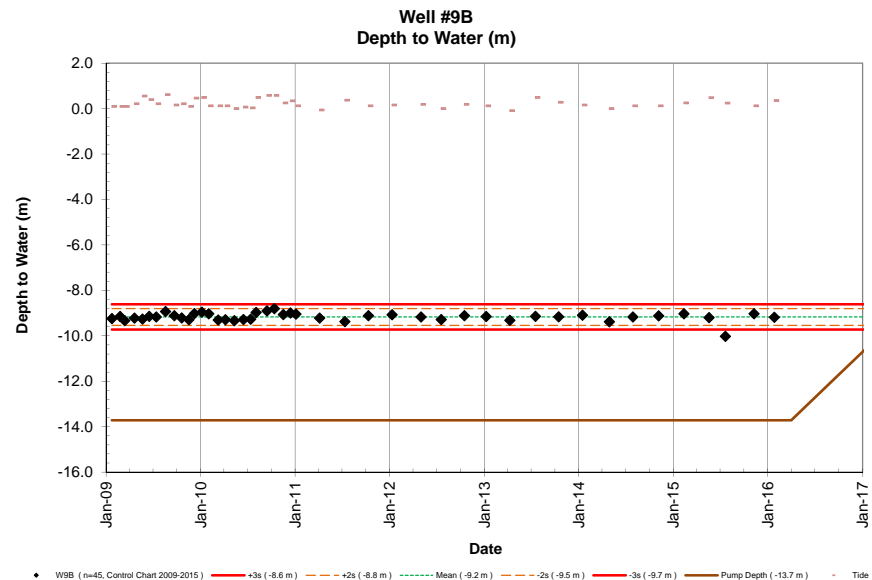
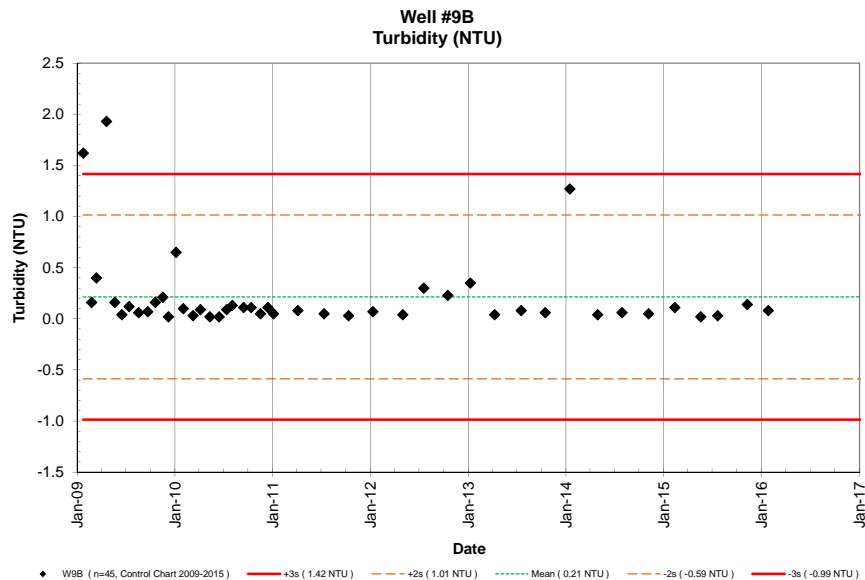
Well 9B
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Well 9B

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Well 10 Data Table

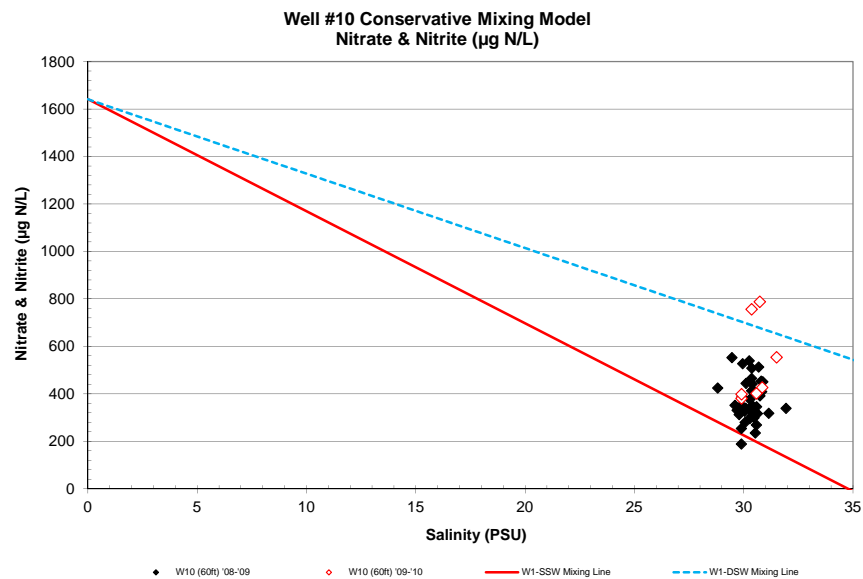
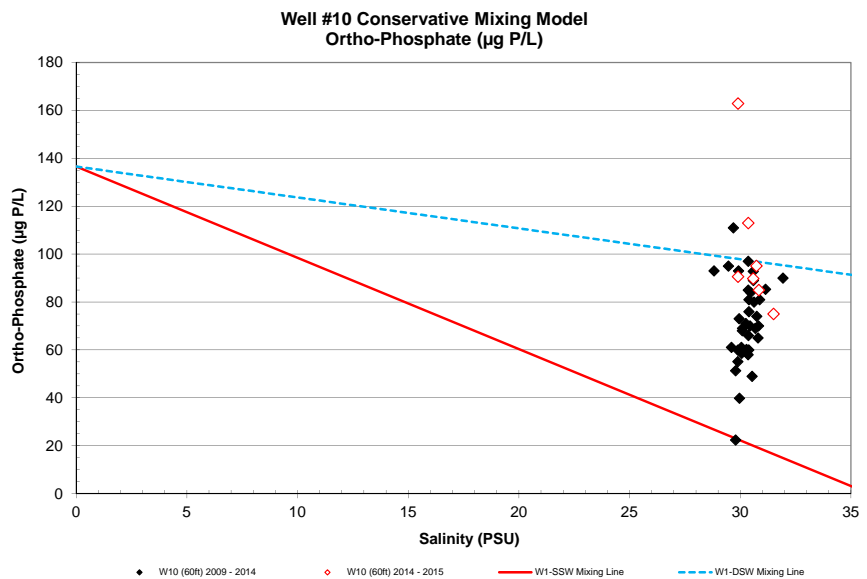
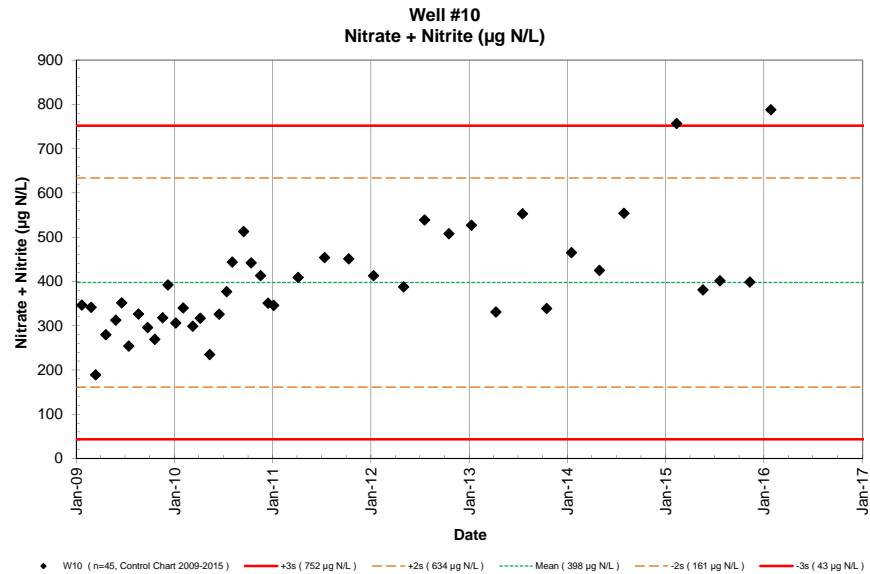
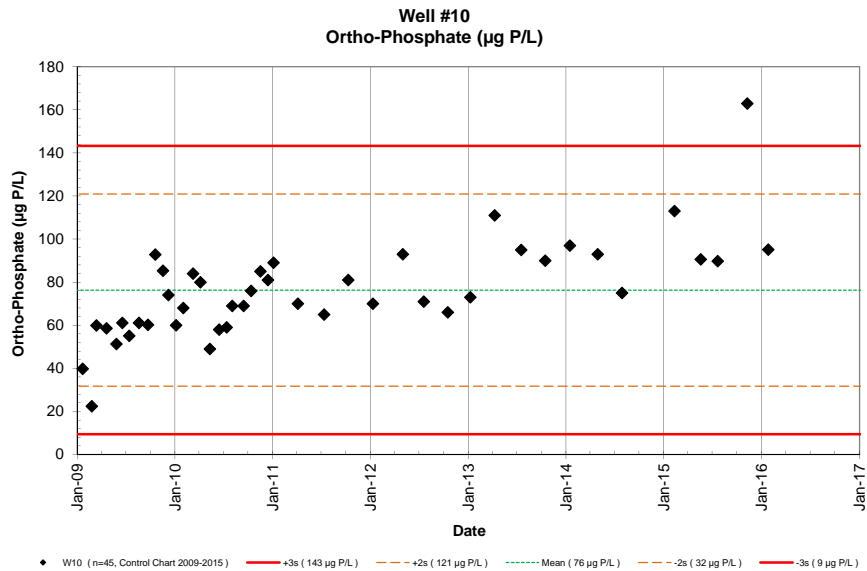
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Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W10	-18.288	1/21/09	1118	-2.02	0.12	Flood	1.28	40	24.7	347	0.14	1.9	135	3801						
W10	-18.288	2/24/09	1239	-2.40	0.09	Flood	0.72	22	24.4	342	0.15	2.1	143	4018						
W10	-18.288	3/13/09	1555	-2.23	0.37	Flood	1.93	60	13.5	189	0.13	1.8	274	7700						
W10	-18.288	4/20/09	1535	-2.09	0.37	Flood	1.89	59	20.0	280	0.35	4.9	123	3447						
W10	-18.288	5/27/09	827	-2.28	0.12	Ebb	1.66	51	22.3	313	0.15	2.1	120	3372						
W10	-18.288	6/18/09	931	-2.21	0.21	Flood	1.97	61	25.1	352	0.36	5.1	147	4121						
W10	-18.288	7/14/09	1017	-2.10	0.43	High	1.78	55	18.1	254	0.38	5.3	94	2638						
W10	-18.288	8/19/09	825	-2.45	0.03	Ebb	1.97	61	23.3	327	0.84	11.7	114	3190						
W10	-18.288	9/22/09	834	-2.00	0.58	Ebb	1.94	60	21.1	296	0.60	8.4	101	2827						
W10	-18.288	10/19/09	1608	-2.27	0.27	Flood	3.00	93	19.2	269	1.61	22.5	85	2388						
W10	-18.288	11/17/09	1411	-2.50	0.15	Flood	2.75	85	22.7	318	0.86	12.1	108	3022						
W10	-18.288	12/7/09	1449	-2.55	0.09	Ebb	2.39	74	28.0	392	0.96	13.4	166	4660						
W10	-18.288	1/5/10	1257	-2.45	0.09	Ebb	1.94	60	21.8	306	1.29	18.0	150	4206						
W10	-18.288	2/1/10	1426	-2.33	0.00	Flood	2.20	68	24.3	340	0.64	9.0	143	4025						
W10	-18.288	3/9/10	1343	-2.44	0.15	High	2.71	84	21.3	299	0.36	5.0	156	4370						
W10	-18.288	4/6/10	1143	-2.40	0.15	High	2.58	80	22.6	317	0.79	11.0	150	4204						
W10	-18.288	5/11/10	1214	-2.18	0.30	Flood	1.58	49	16.8	235	1.50	21.0	124	3469						
W10	-18.288	6/15/10	1325	-2.52	0.09	Flood	1.87	58	23.3	326	0.29	4.0	158	4434						
W10	-18.288	7/13/10	1155	-2.57	0.09	Flood	1.90	59	26.9	377	0.07	1.0	155	4346						
W10	-18.288	8/3/10	1153	-1.97	0.55	High	2.23	69	31.7	444	0.43	6.0	159	4458						
W10	-18.288	9/14/10	1152	-1.97	0.52	Ebb	2.23	69	36.6	513	0.14	2.0	170	4765						
W10	-18.288	10/12/10	1205	-2.07	0.40	Ebb	2.45	76	31.6	442	0.06	0.9	173	4847						
W10	-18.288	11/16/10	1118	-2.05	0.37	Flood	2.74	85	29.5	413	0.19	2.7	174	4874						
W10	-18.288	12/14/10	1156	-2.11	0.30	Ebb	2.62	81	25.1	351	0.09	1.3	180	5064						
W10	-18.288	1/4/11	1146	-2.49	0.03	Low	2.87	89	24.7	346	0.27	3.8	171	4813						
W10	-18.288	4/5/11	1211	-2.46	0.00	Flood	2.26	70	29.2	409	0.06	0.8	141	3967						
W10	-18.288	7/12/11	1201	-2.22	0.43	Flood	2.10	65	32.4	454	0.12	1.7	156	4391						
W10	-18.288	10/10/11	1416	-2.02	0.43	Flood	2.62	81	32.2	451	0.16	2.3	155	4345						
W10	-18.288	1/10/12	1202	-2.50	0.00	Low	2.26	70	29.5	413	5.21	73	153	4290						
W10	-18.288	5/1/12	1220	-2.07	0.40	Flood	3.00	93	27.7	388	0.11	1.5	159	4475						
W10	-18.288	7/18/12	1108	-2.42	0.09	Flood	2.29	71	38.5	539	0.50	7.0	167	4695						
W10	-18.288	10/16/12	1211	-2.39	0.09	Low	2.13	66	36.3	508	0.27	3.8	166	4649						
W10	-18.288	1/8/13	1215	-2.25	0.18	Flood	2.36	73	37.6	527	0.19	2.7	196	5492						
W10	-18.288	4/9/13	1410	-2.12	0.43	Flood	3.58	111	23.6	331	4.80	67.3	180	5059						
W10	-18.288	7/17/13	1411	-1.97	0.58	Ebb	3.07	95	39.5	553	0.15	2.1	144	4036						
W10	-18.288	10/15/13	1143	-2.11	0.46	Flood	2.91	90	24.2	339	0.09	1.2	164	4595						
W10	-18.288	1/15/14	1141	-2.40	0.00	Low	3.13	97	33.2	465	0.26	3.7	146	4105						
W10	-18.288	4/29/14	1415	-2.21	0.40	Flood	3.00	93	30.3	425	0.41	5.8	176	4937						
W10	-18.288	7/29/14	1224	-2.36	0.12	Flood	2.42	75	39.6	554	0.50	7.0	142	3994						
W10	-18.288	11/5/04	1220	-2.17	0.15	Flood	2.74	85	30.5	427	0.34	4.7	142	3987						
W10	-18.288	2/10/15	1219	-2.24	0.24	High	3.65	113	54.0	757	0.66	9.3	248	6975						
W10	-18.288	5/19/15	1224	-2.49	0.00	Flood	2.93	91	27.2	381	1.11	15.5	138	3869						
W10	-18.288	7/21/15	1442	-2.36	0.18	Flood	2.90	90	28.7	402	34.35	481.1	147	4123						
W10	-18.288	11/9/15	1325	-2.05	0.42	Flood	5.26	163	28.5	399	0.11	1.5	175	4910						
W10	-18.288	1/26/16	1232	-2.46	0.08	Low	3.07	95	56.3	788	0.02	0.3	158	4426						
W10	-18.288	4/1/16																		

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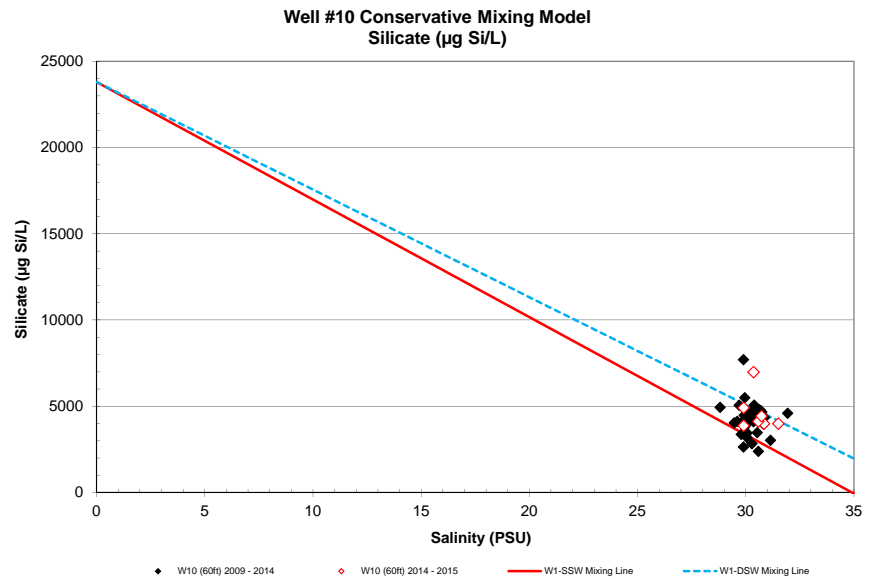
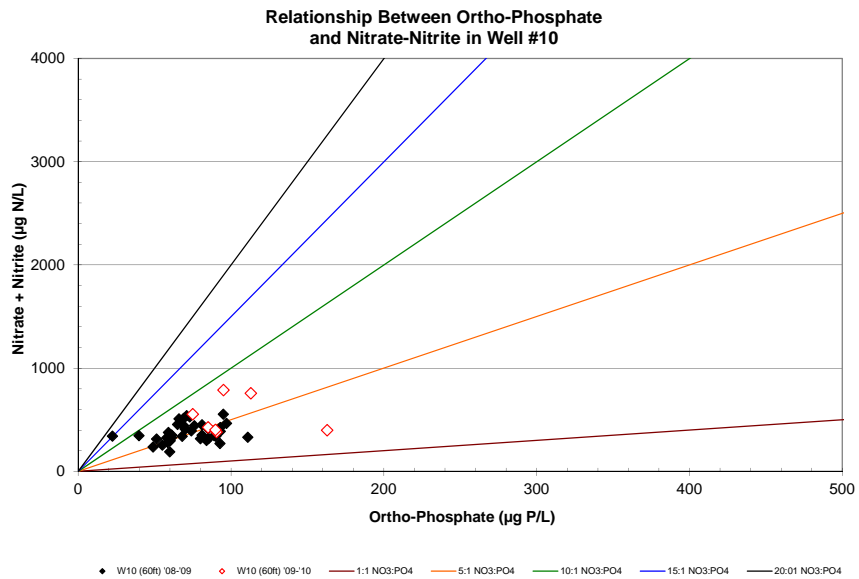
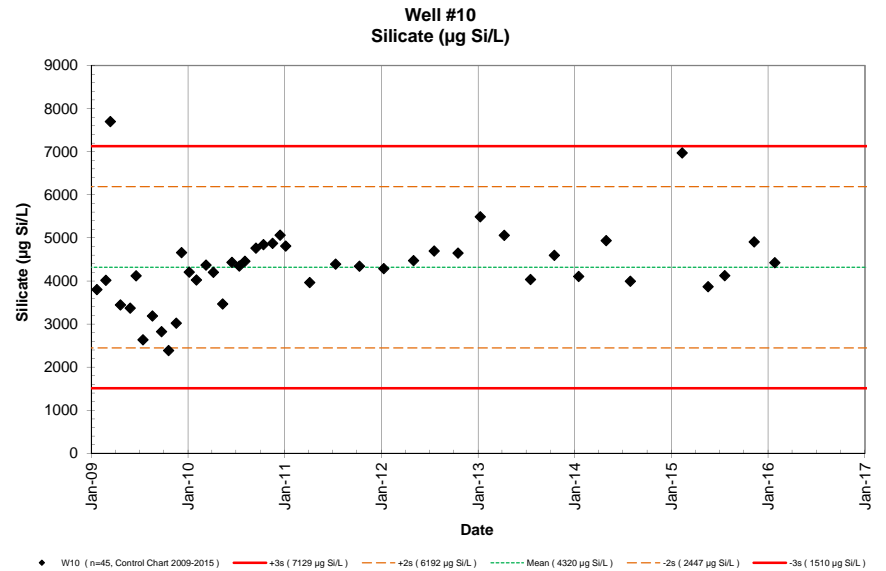
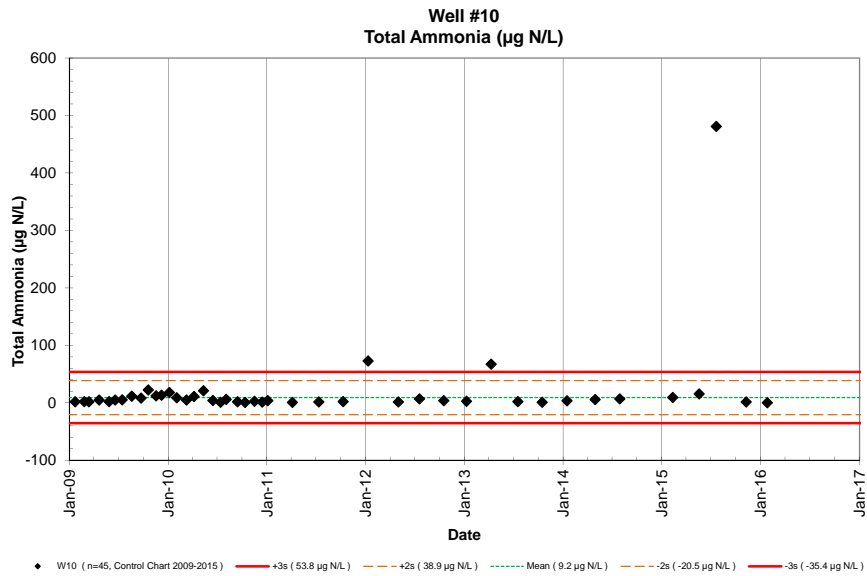
Well 10

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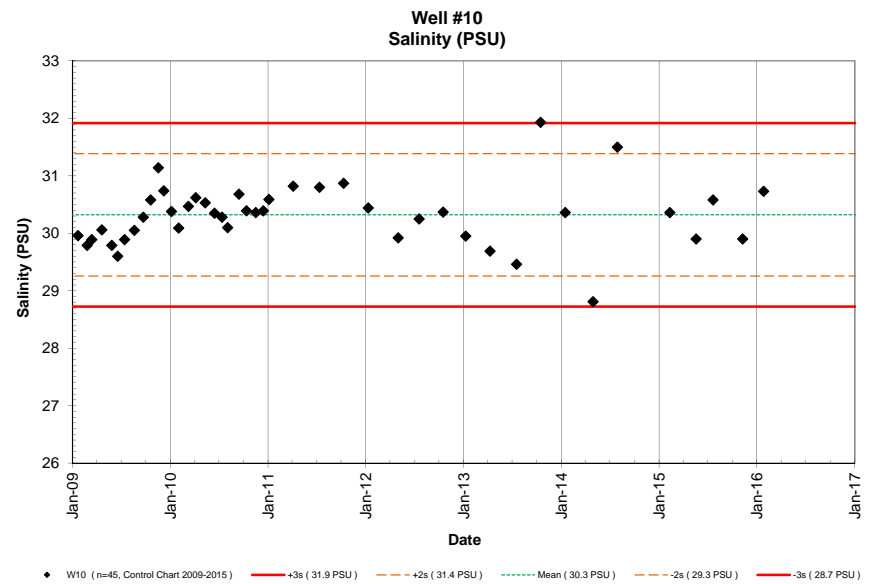
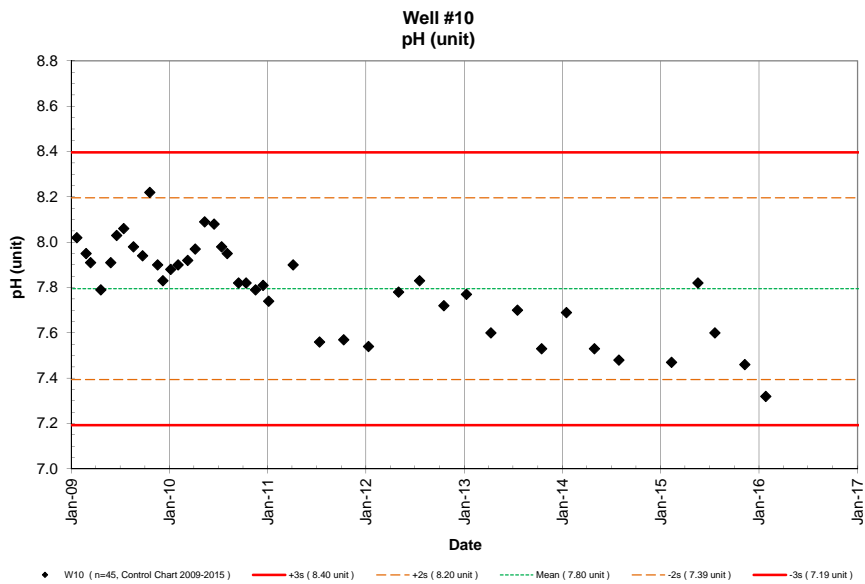
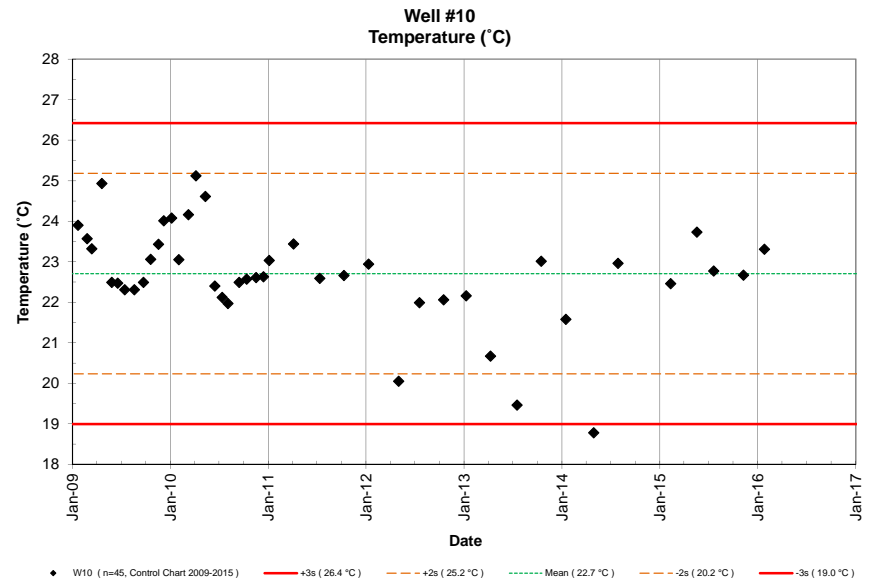
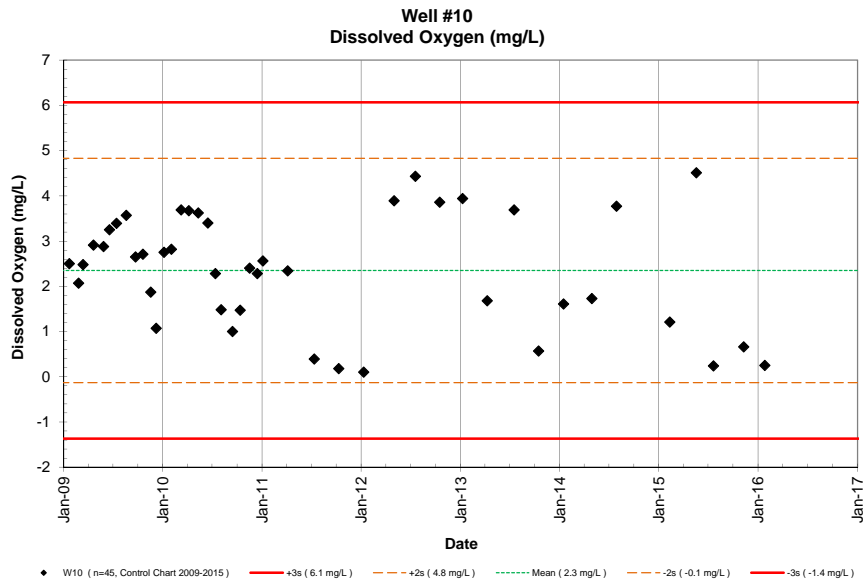
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Well 10
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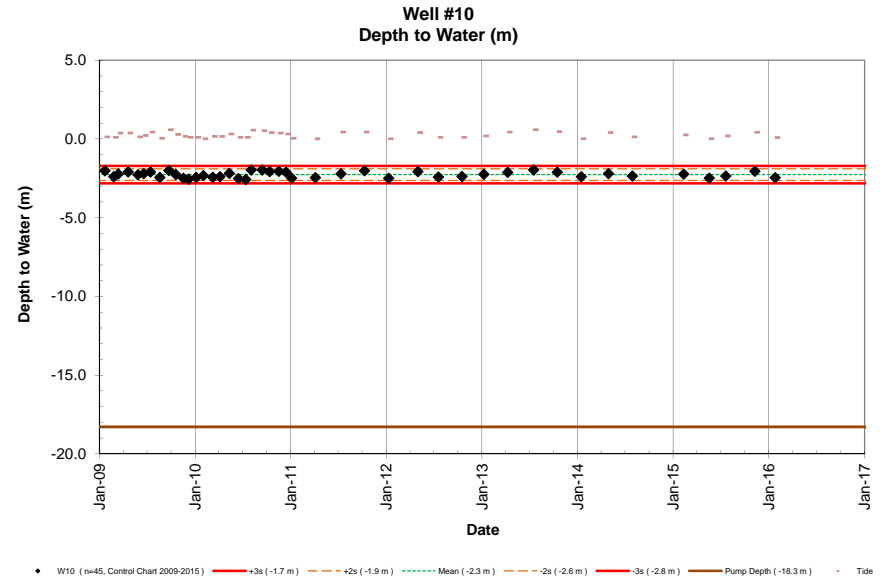
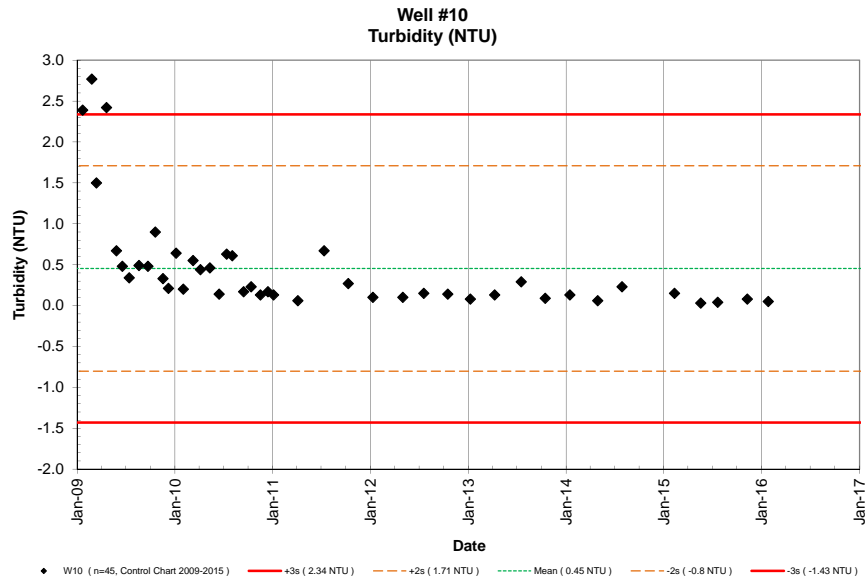
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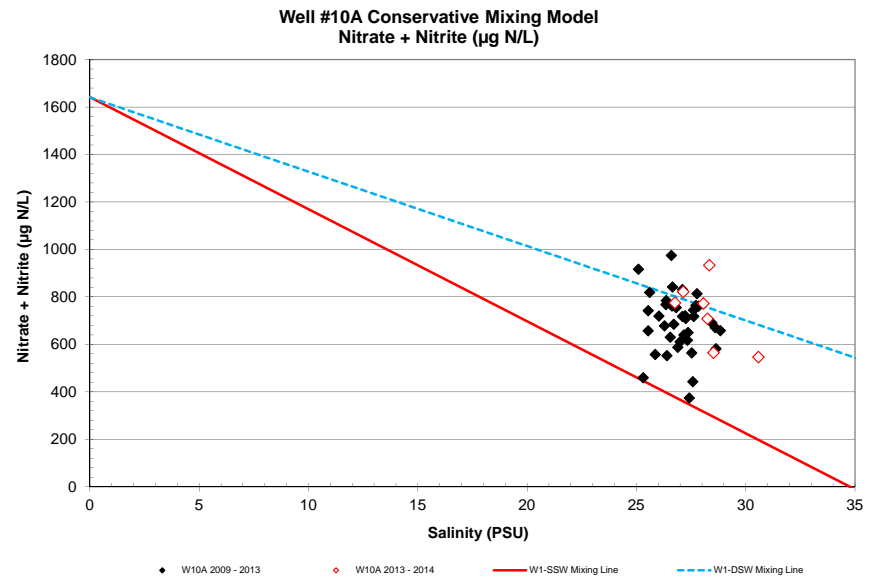
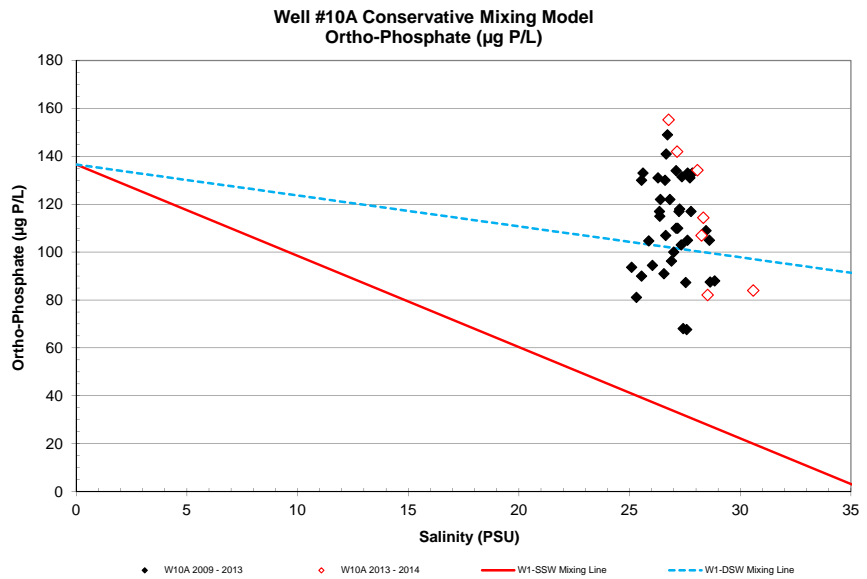
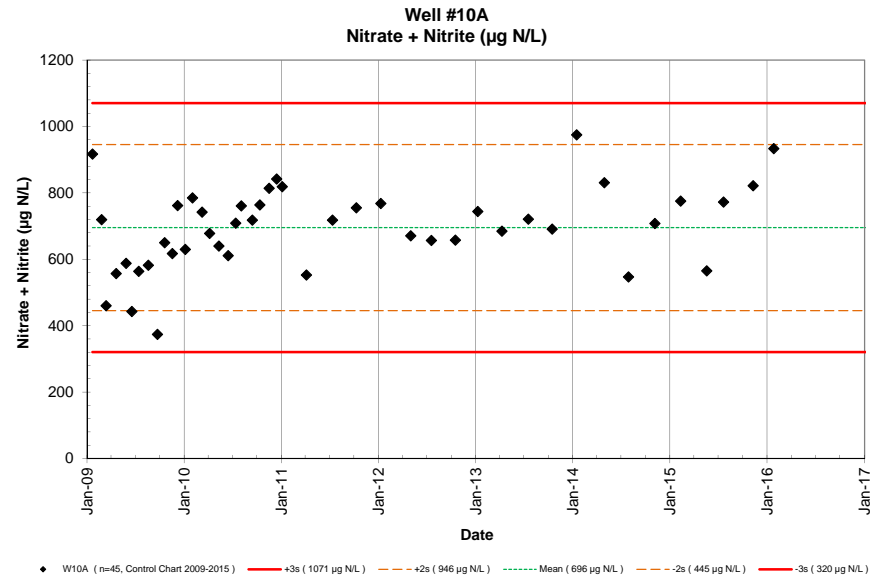
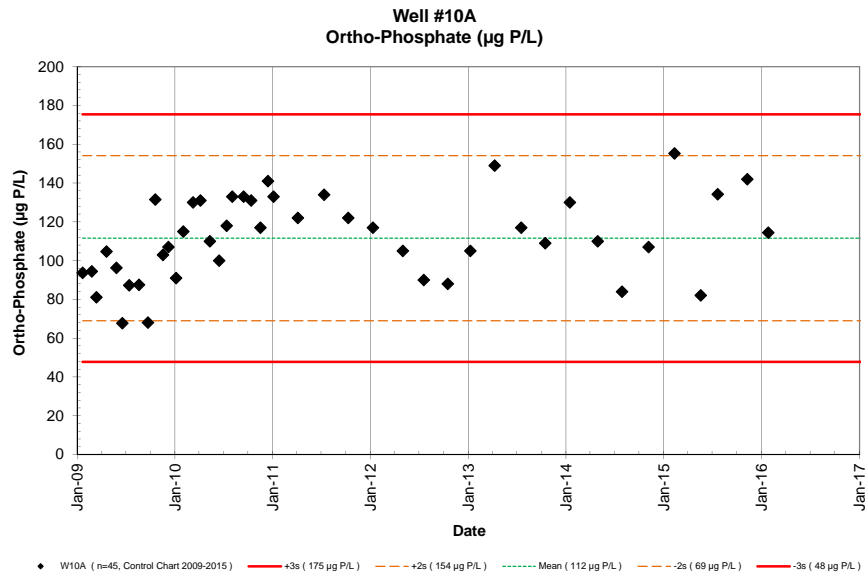
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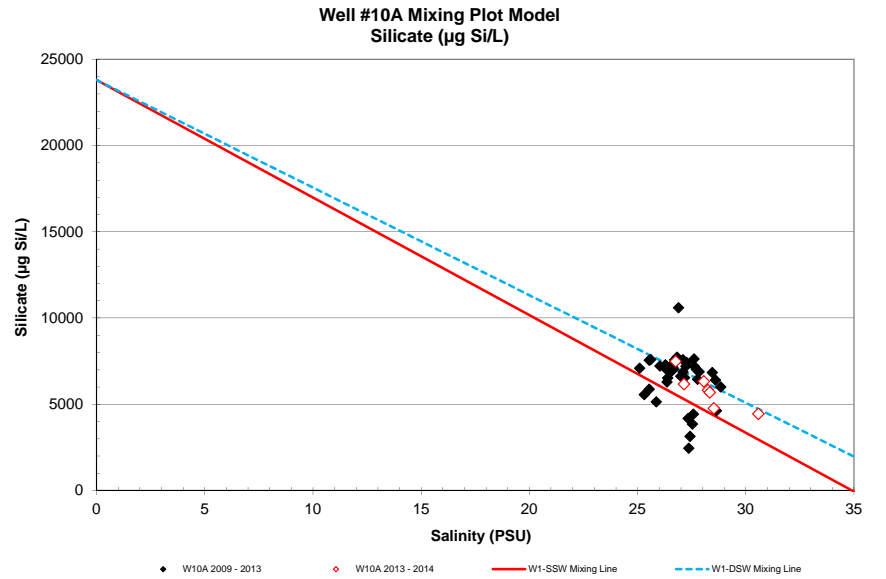
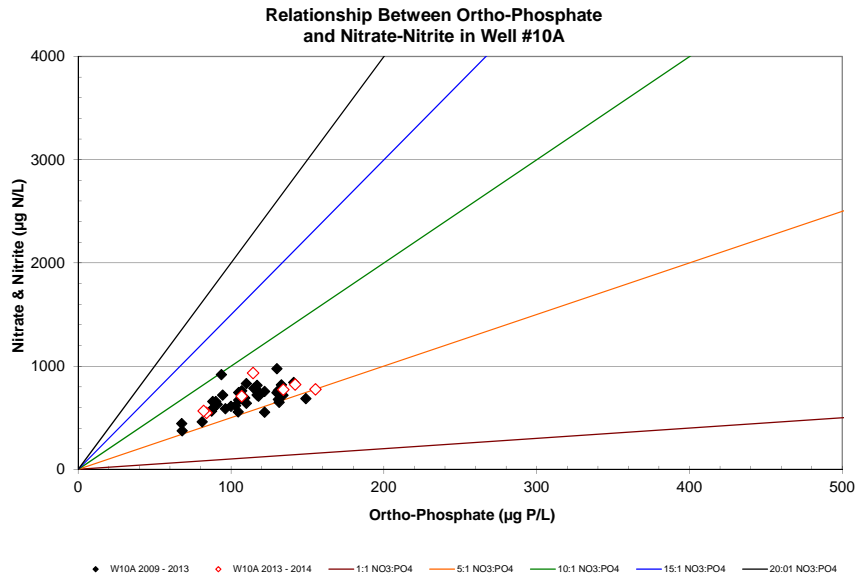
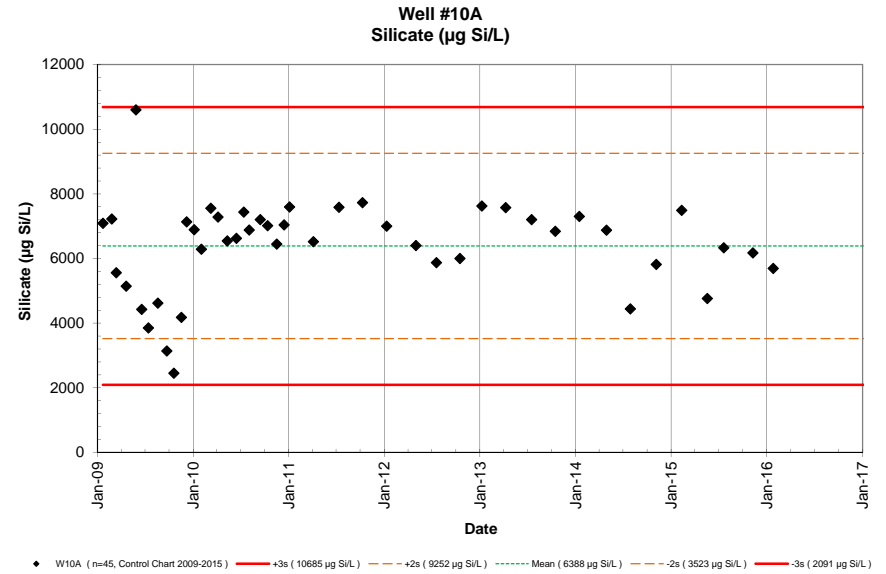
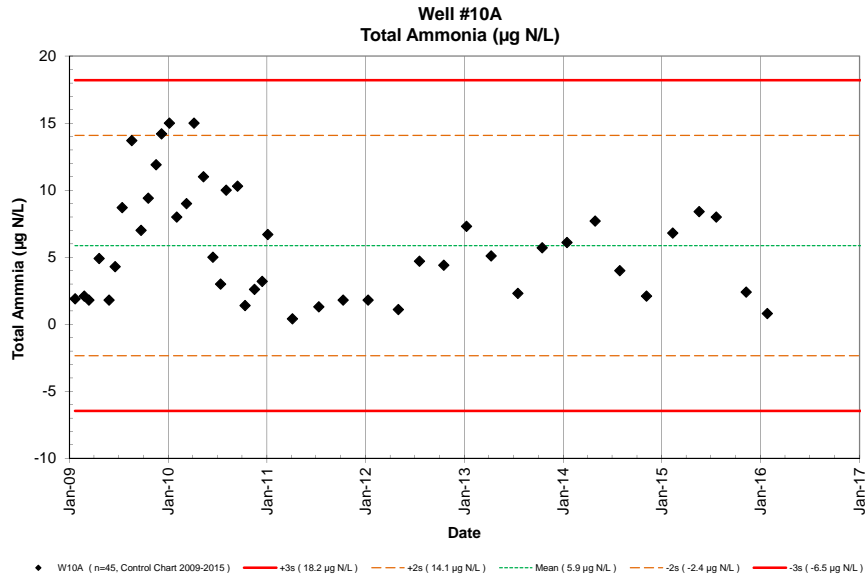
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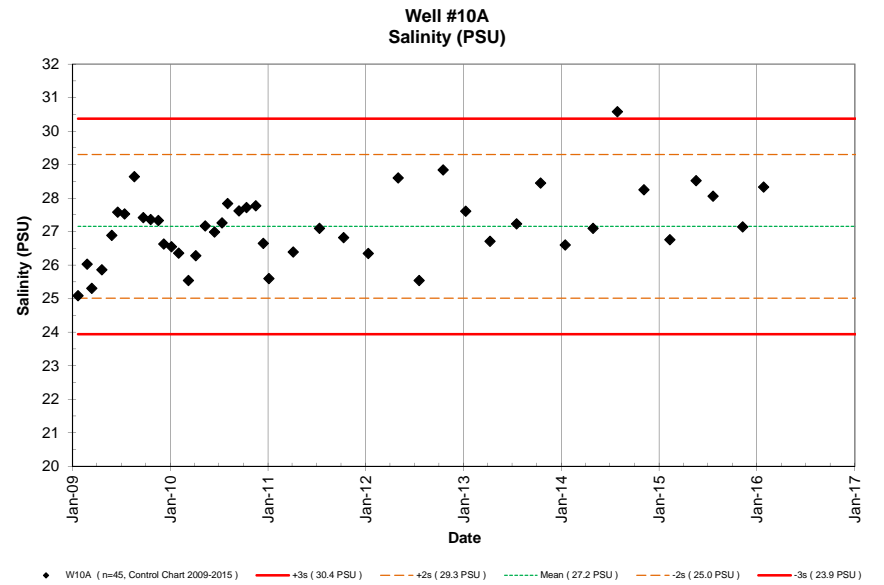
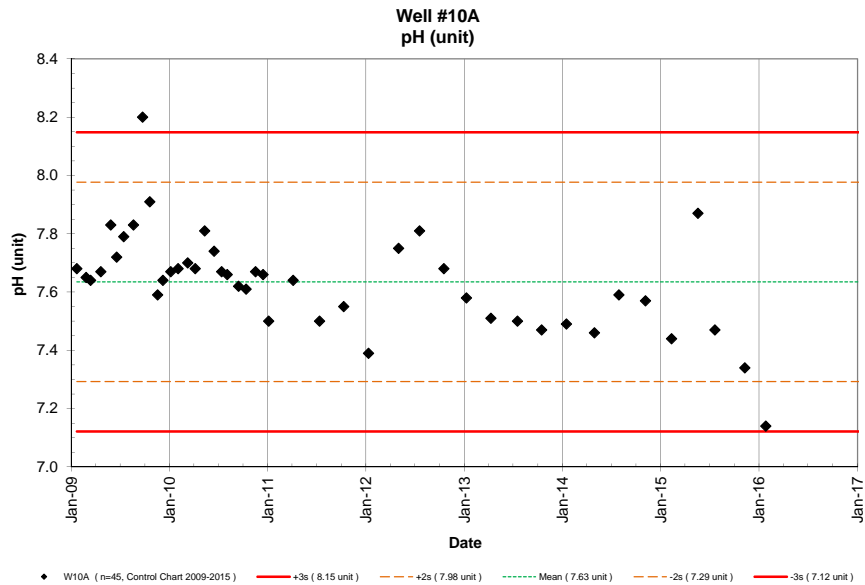
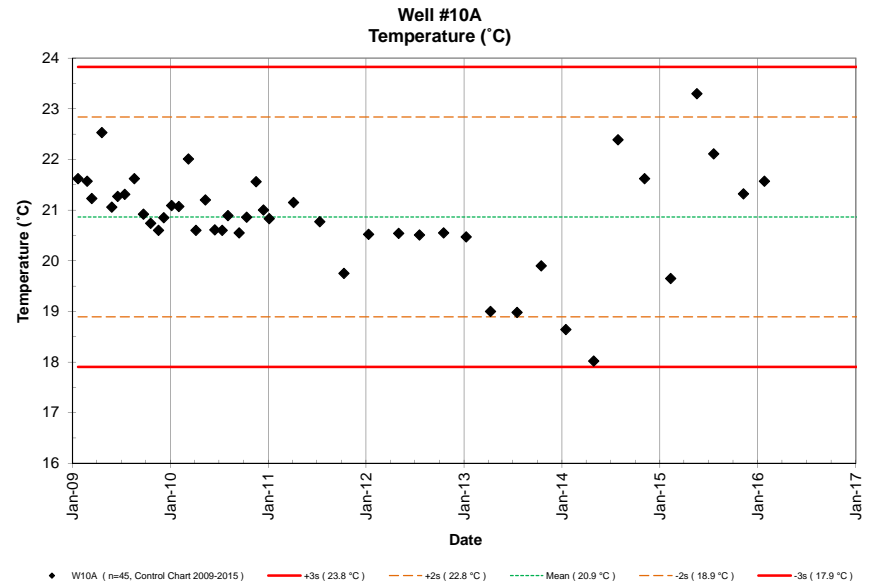
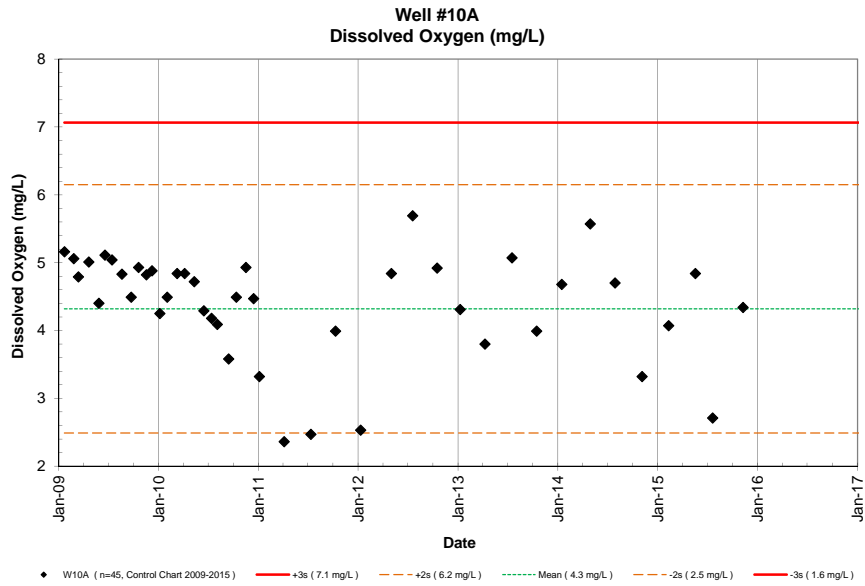
Well 10A
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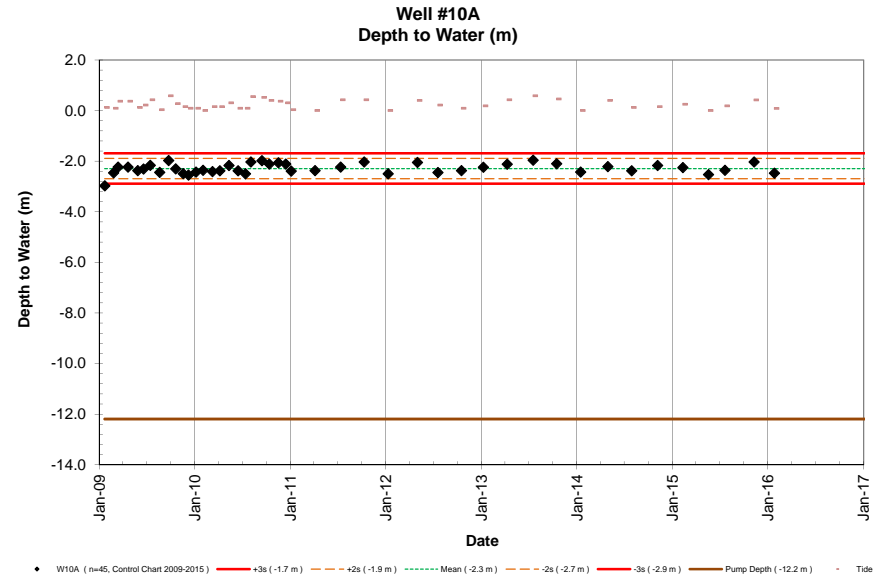
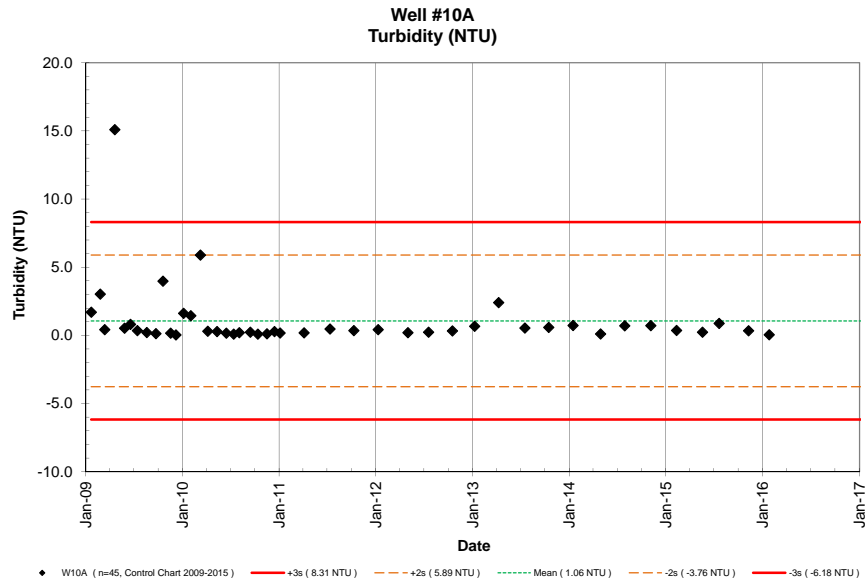
NELHA Water Quality Laboratory

Well 10A

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 Well 10A
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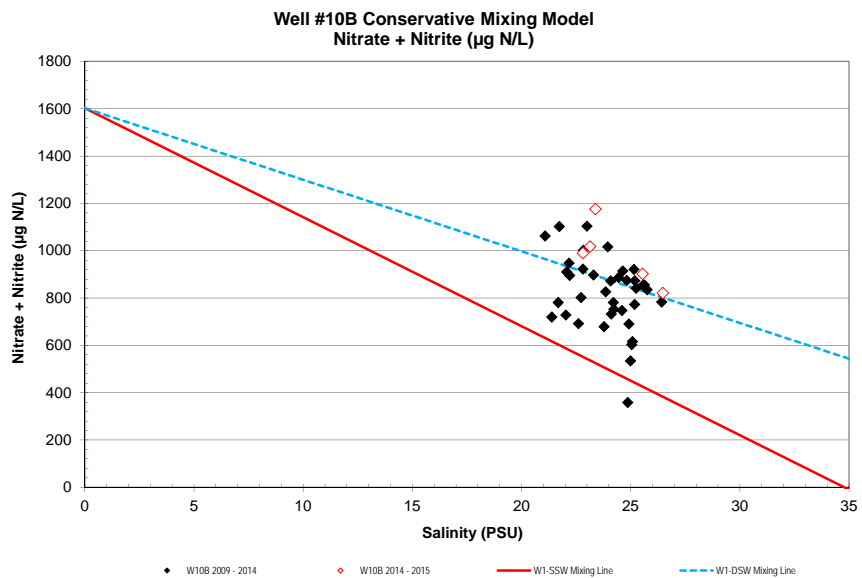
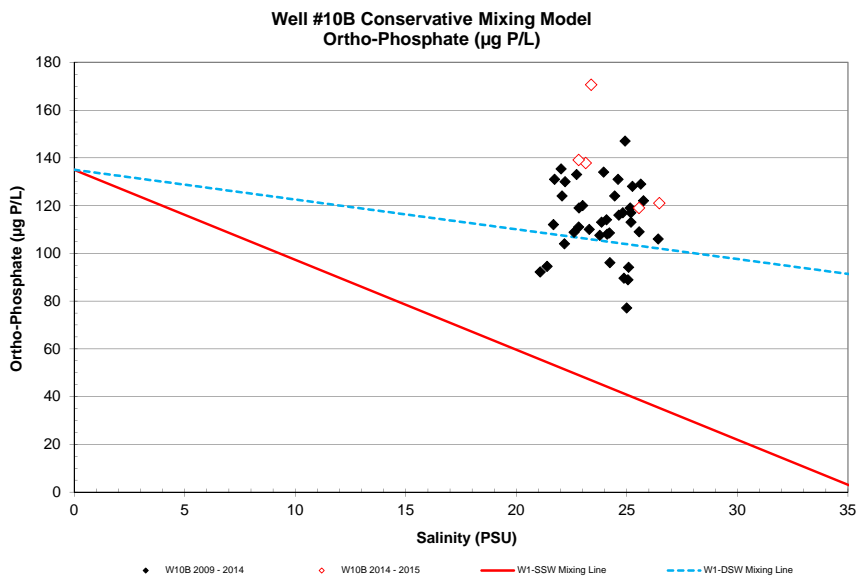
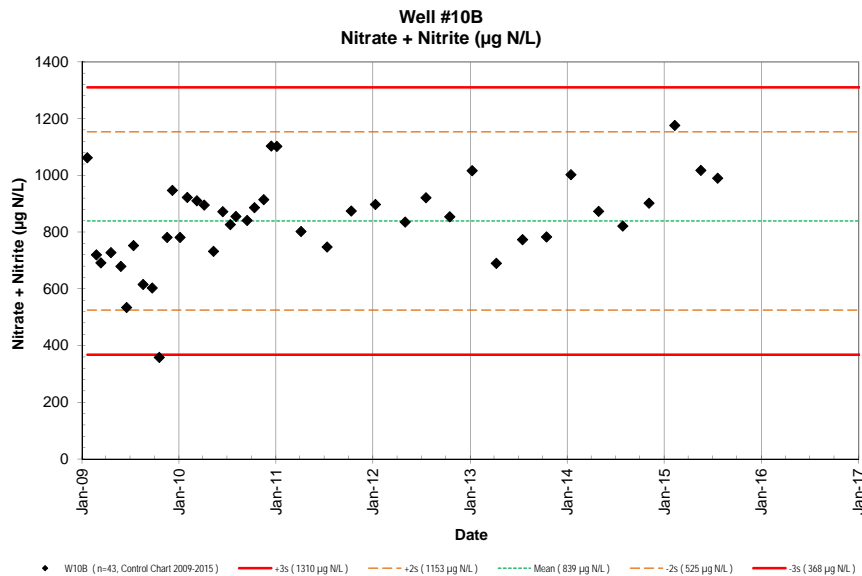
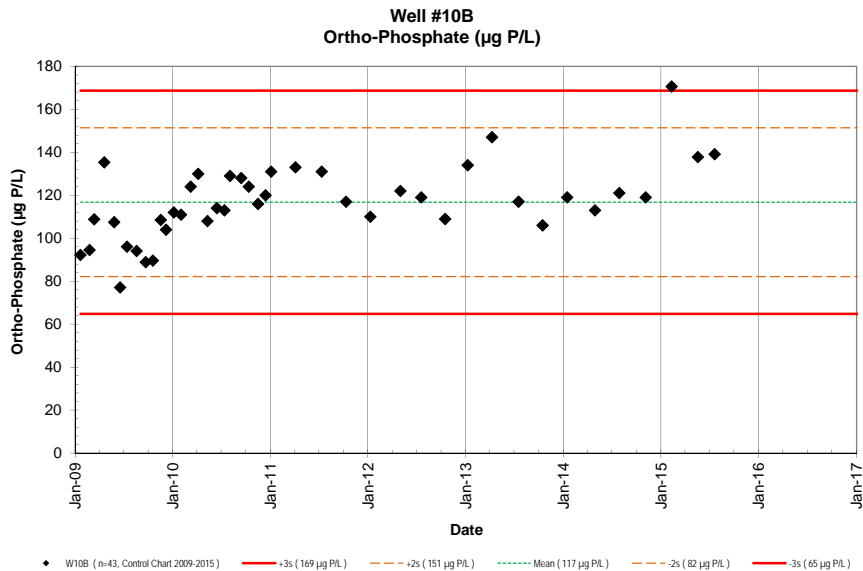
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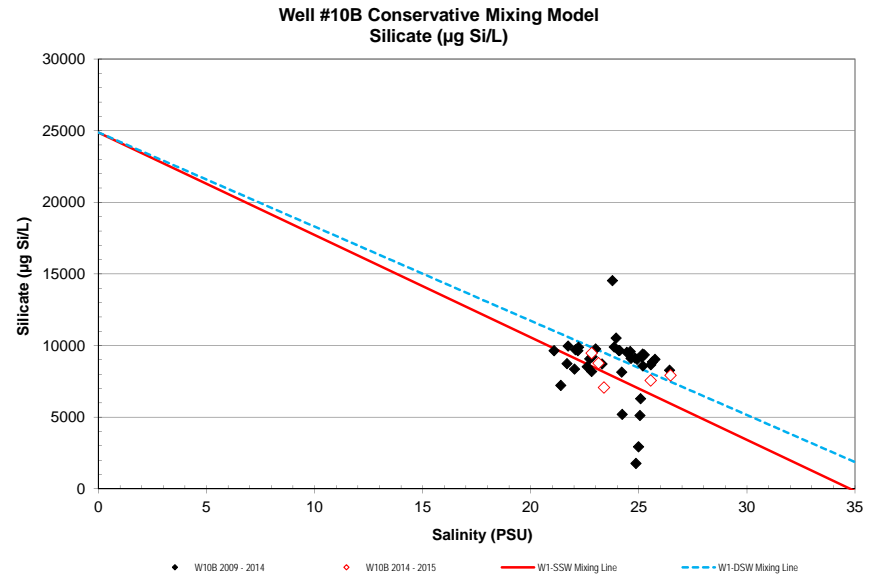
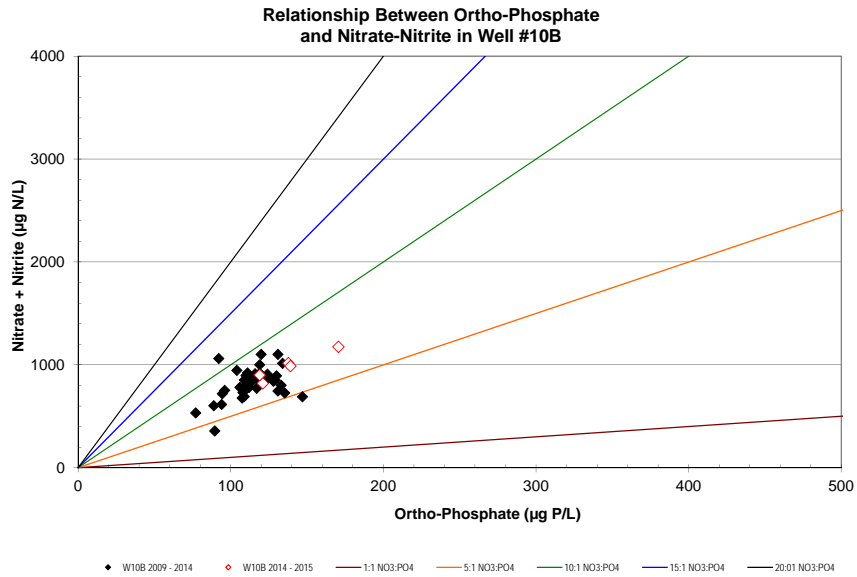
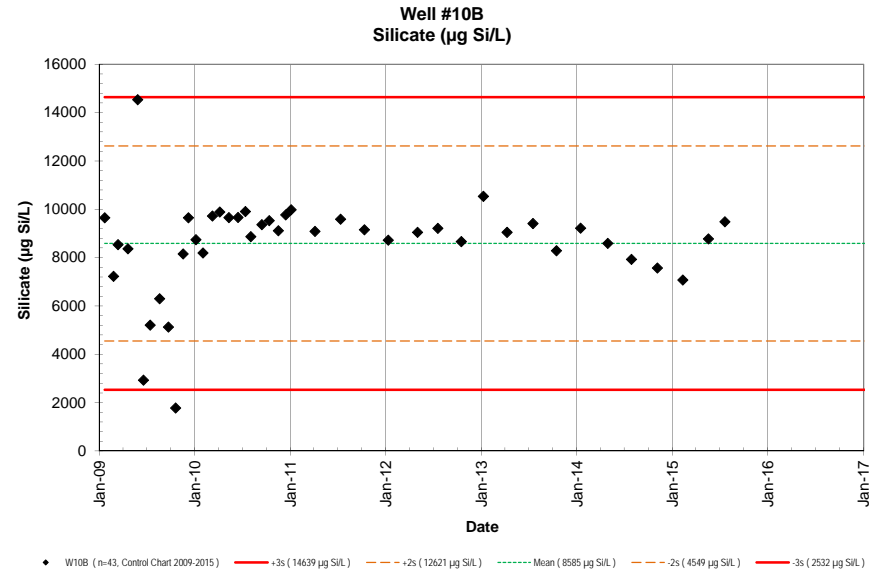
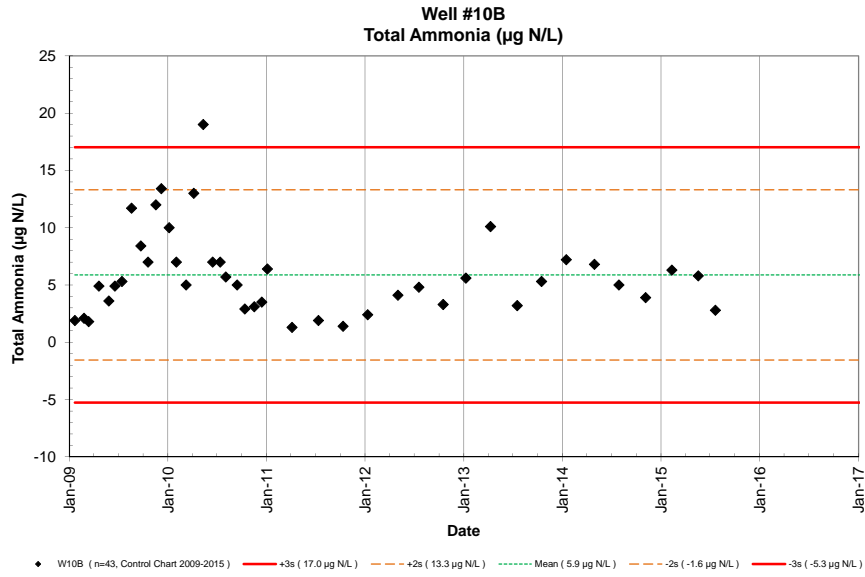
Well 10B Data Table

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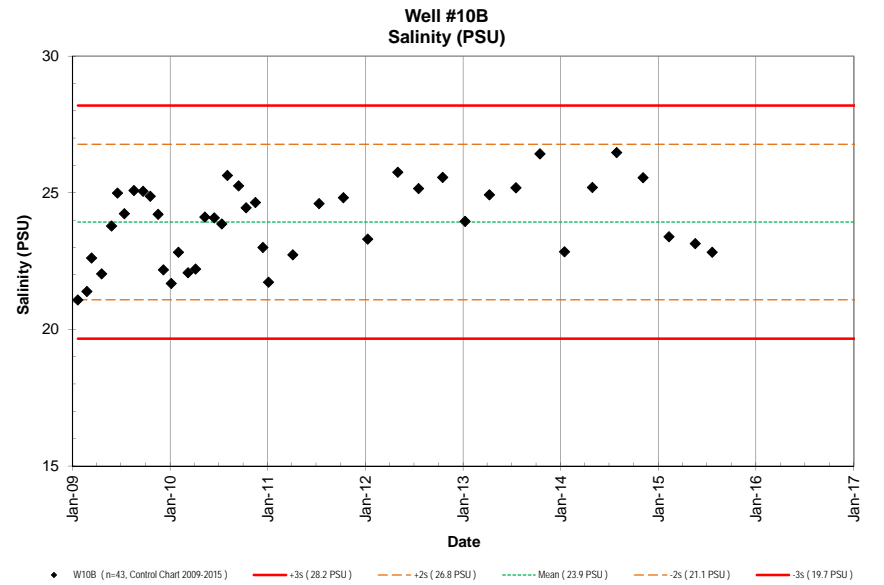
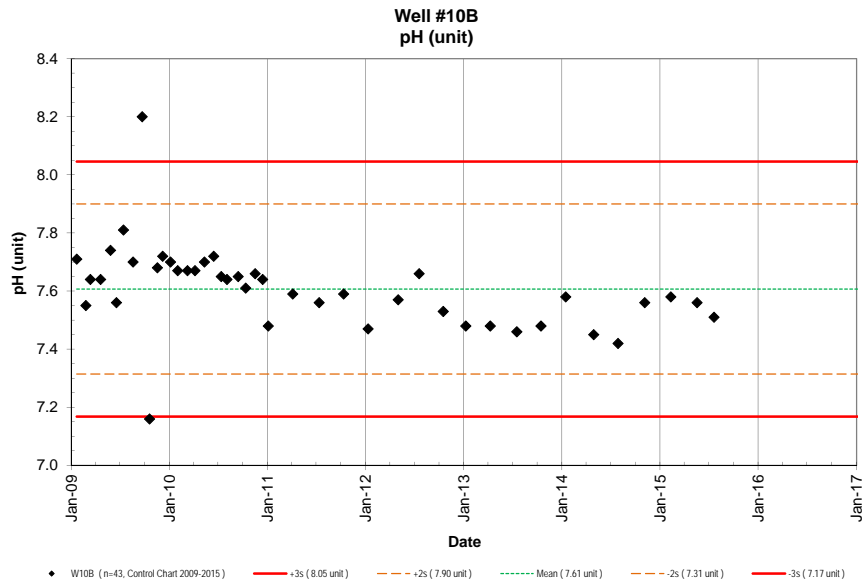
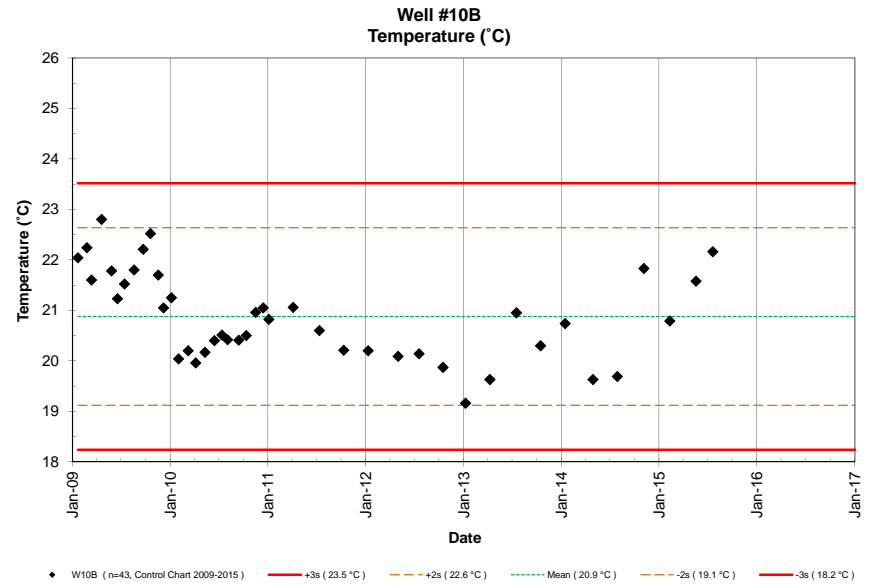
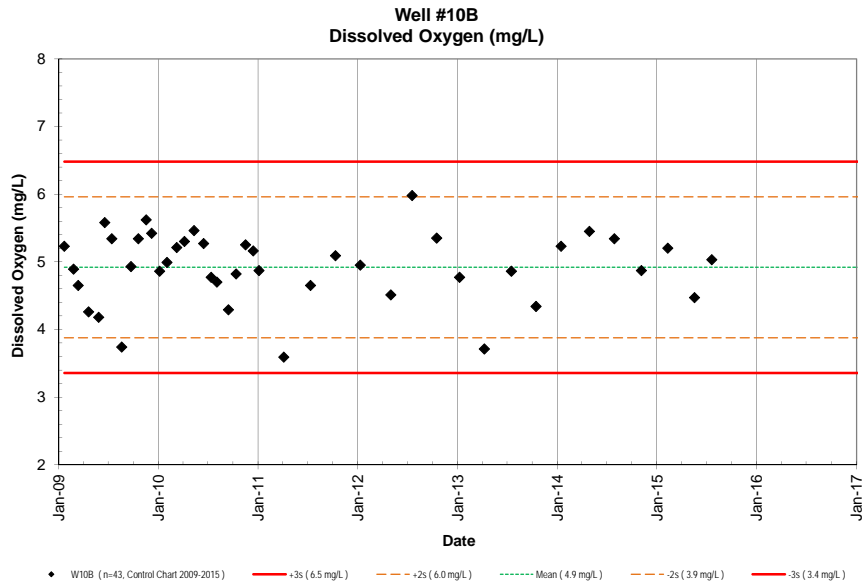
Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W10B -4.572		01/21/09	1050	-2.44	0.12	Flood	2.98	92	75.8	1062	0.14	1.9	343	9647						
W10B -4.572		02/24/09	1213	-2.50	0.09	Flood	3.05	95	51.4	720	0.15	2.1	257	7224						
W10B -4.572		03/13/09	1521	-2.26	0.37	Flood	3.51	109	49.4	692	0.13	1.8	304	8533						
W10B -4.572		04/20/09	1602	-2.19	0.37	Flood	4.37	135	52.0	728	0.35	4.9	298	8363						
W10B -4.572		05/27/09	848	-2.44	0.12	Ebb	3.47	108	48.5	679	0.26	3.6	517	14533						
W10B -4.572		06/18/09	901	-2.36	0.21	Flood	2.49	77	38.1	534	0.35	4.9	104	2930						
W10B -4.572		07/14/09	922	-2.20	0.43	High	3.10	96	53.7	753	0.38	5.3	185	5206						
W10B -4.572		08/19/09	758	-2.50	0.03	Ebb	3.04	94	43.9	616	0.84	11.7	224	6295						
W10B -4.572		09/22/09	759	-2.02	0.58	Ebb	2.87	89	43.1	603	0.60	8.4	183	5127						
W10B -4.572		10/19/09	1525	-2.29	0.27	Flood	2.89	90	25.6	358	0.50	7.0	63	1778						
W10B -4.572		11/17/09	1334	-2.52	0.15	Flood	3.50	109	55.8	781	0.86	12.0	290	8152						
W10B -4.572		12/07/09	1445	-2.60	0.09	Ebb	3.36	104	67.6	947	0.96	13.4	344	9648						
W10B -4.572		01/05/10	1308	-2.51	0.09	Ebb	3.62	112	55.8	781	0.71	10.0	311	8741						
W10B -4.572		02/01/10	1435	-2.41	0.00	Flood	3.58	111	65.8	922	0.50	7.0	292	8192						
W10B -4.572		03/09/10	1347	-2.38	0.15	High	4.00	124	65.0	910	0.36	5.0	346	9717						
W10B -4.572		04/06/10	1134	-2.43	0.15	High	4.20	130	63.9	895	0.93	13.0	352	9887						
W10B -4.572		05/11/10	1200	-2.22	0.30	Flood	3.49	108	52.3	732	1.36	19.0	344	9656						
W10B -4.572		06/15/10	1347	-2.57	0.09	Flood	3.68	114	62.3	872	0.50	7.0	344	9662						
W10B -4.572		07/13/10	1217	-2.55	0.09	Flood	3.65	113	59.0	826	0.50	7.0	353	9906						
W10B -4.572		08/03/10	1210	-2.00	0.55	High	4.16	129	61.0	855	0.41	5.7	316	8868						
W10B -4.572		09/14/10	1212	-2.03	0.52	Ebb	4.13	128	60.0	841	0.36	5.0	333	9359						
W10B -4.572		10/12/10	1220	-2.14	0.40	Ebb	4.00	124	63.3	886	0.21	2.9	339	9530						
W10B -4.572		11/16/10	1135	-2.15	0.37	Flood	3.75	116	65.3	914	0.22	3.1	324	9112						
W10B -4.572		12/14/10	1211	-2.11	0.30	Ebb	3.87	120	78.7	1103	0.25	3.5	348	9765						
W10B -4.572		01/04/11	1202	-2.45	0.03	Low	4.23	131	78.7	1102	0.46	6.4	355	9976						
W10B -4.572		04/05/11	1223	-2.49	0.00	Flood	4.29	133	57.3	802	0.09	1.3	323	9081						
W10B -4.572		07/12/11	1145	-2.28	0.43	Flood	4.23	131	53.3	747	0.14	1.9	341	9590						
W10B -4.572		10/11/11	1434	-2.07	0.43	Flood	3.78	117	62.4	874	0.10	1.4	326	9148						
W10B -4.572		01/10/12	1220	-2.54	0.00	Low	3.55	110	64.0	897	0.17	2.4	311	8723						
W10B -4.572		5/1/12	1237	-2.12	0.40	Flood	3.94	122	59.6	835	0.29	4.1	322	9044						
W10B -4.572		7/18/12	1123	-2.51	0.09	Flood	3.84	119	65.8	921	0.34	4.8	328	9209						
W10B -4.572		10/16/12	1156	-2.46	0.09	Low	3.52	109	61.0	854	0.24	3.3	308	8663						
W10B -4.572		1/8/13	1235	-2.29	0.18	Flood	4.33	134	72.5	1016	0.40	5.6	375	10534						
W10B -4.572		4/9/13	1429	-2.13	0.43	Flood	4.75	147	49.3	690	0.72	10.1	322	9045						
W10B -4.572		7/17/13	1432	-2.01	0.58	Ebb	3.78	117	55.2	773	0.23	3.2	335	9409						
W10B -4.572		10/15/13	1200	-2.15	0.46	Flood	3.42	106	55.9	783	0.38	5.3	295	8282						
W10B -4.572		1/15/14	1207	-2.46	0.00	Low	3.84	119	71.5	1002	0.51	7.2	328	9218						
W10B -4.572		4/29/14	1352	-2.27	0.40	Flood	3.65	113	62.3	873	0.49	6.8	306	8585						
W10B -4.572		7/29/14	1218	-2.42	0.12	Flood	3.91	121	58.6	821	0.36	5.0	282	7928						
W10B -4.572		11/5/14	1227	-2.21	0.15	Flood	3.84	119	64.4	902	0.28	3.9	269	7567						
W10B -4.572		2/10/15	1236	-2.31	0.24	High	5.51	171	84.0	1176	0.45	6.3	252	7073						
W10B -4.572		5/19/15	1203	-2.54	0.00	Flood	4.45	138	72.6	1017	0.41	5.8	312	8775						
W10B -4.572		7/21/15	1435	-2.36	0.18	Flood	4.49	139	70.7	990	0.20	2.8	338	9481						
W10B -4.572		11/9/15	1304	-2.08	0.42	Flood	5.06	157	79.7	1117	0.21	2.9	307	8615						
W10B -4.572		1/26/16	1212	-2.51	0.08	Low	4.84	150	68.3	957	0.54	7.5	307	8629						
W10B -4.572		4/1/16																		

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Well 10B

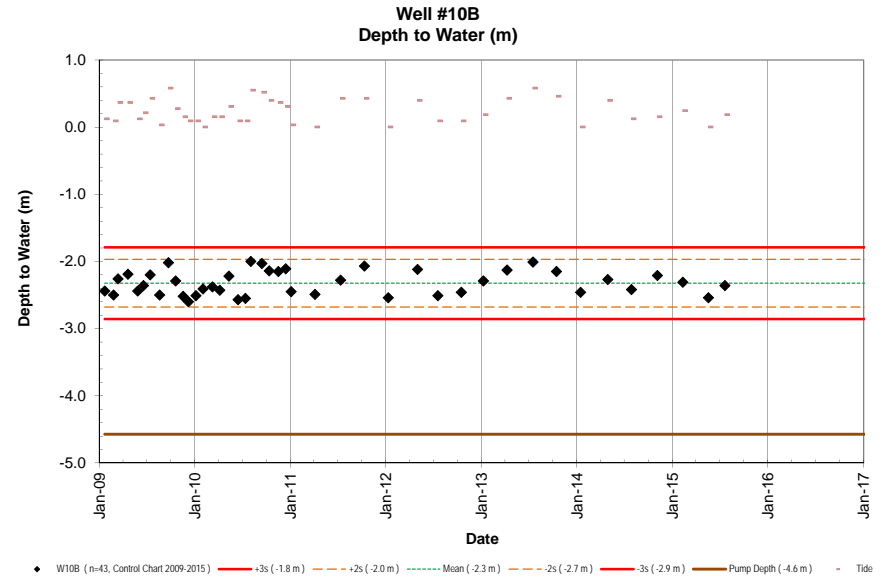
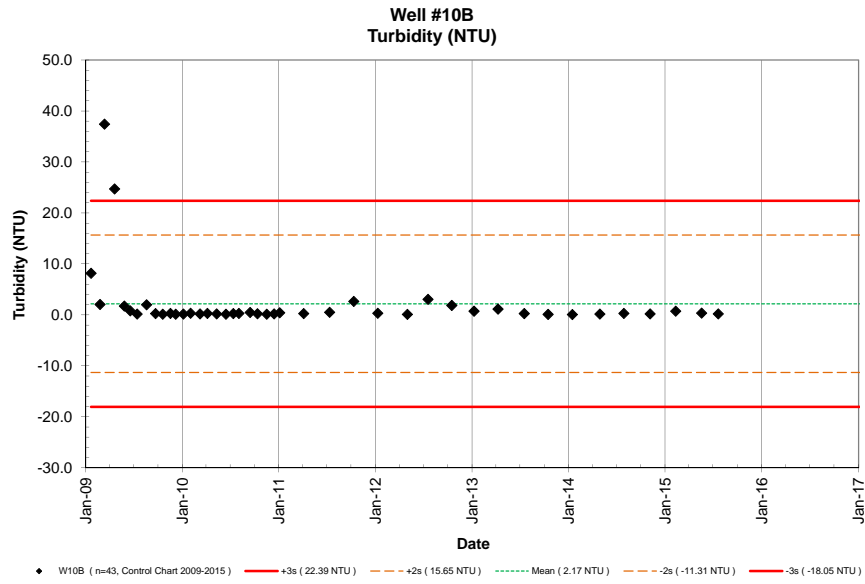




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Well 10B



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Well 10B



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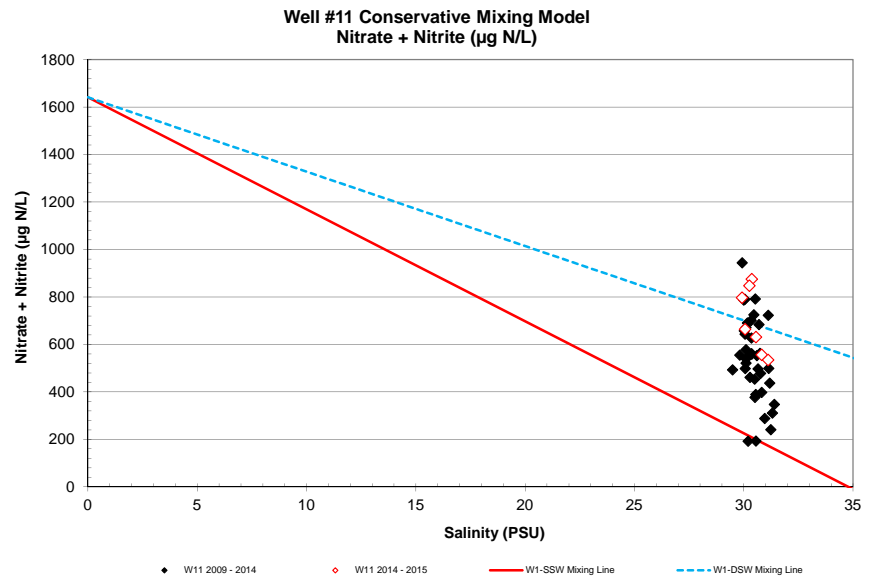
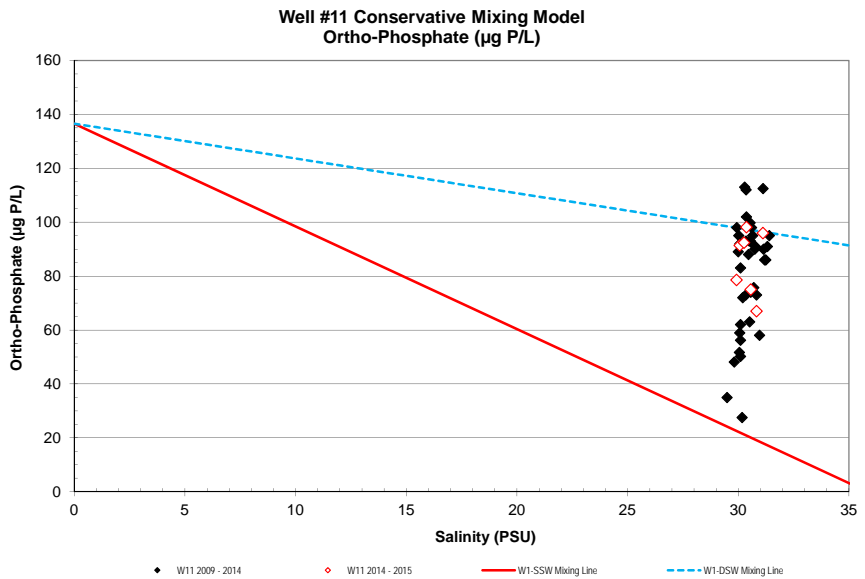
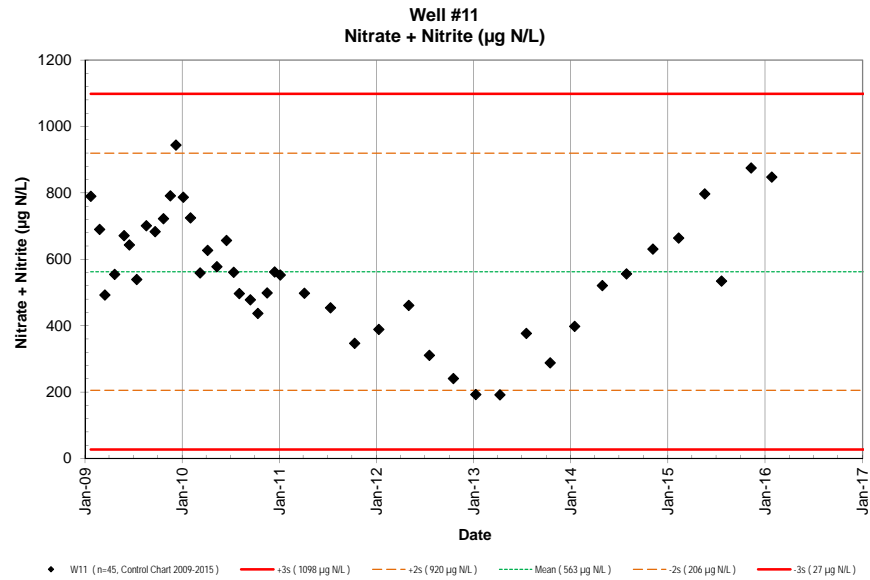
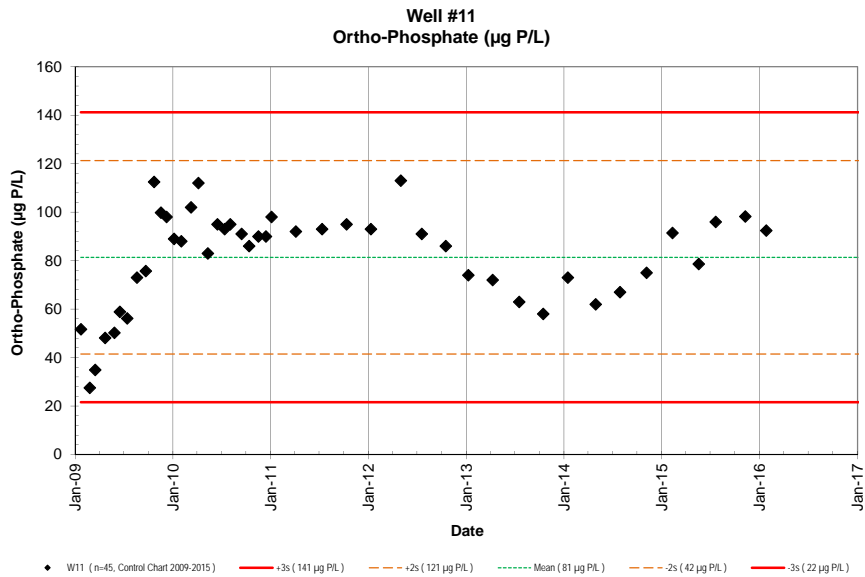
Well 11 Data Table

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Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W11	-18.288	1/22/09	1037	-3.2	0.09	Low	1.67	52	56.4	790	1.79	25.1	106	2966						
W11	-18.288	2/24/09	958	-3.3	0.06	Ebb	0.89	28	49.3	690	0.50	7.0	105	2949						
W11	-18.288	3/16/09	1044	-3.3	0.09	Ebb	1.13	35	35.2	493	0.13	1.8	87	2436						
W11	-18.288	4/22/09	1218	-3.1	0.34	Flood	1.55	48	39.6	555	0.19	2.6	108	3035						
W11	-18.288	5/27/09	920	-3.3	0.09	Ebb	1.62	50	47.9	671	0.16	2.2	101	2835						
W11	-18.288	6/16/09	1359	-3.0	0.40	Ebb	1.90	59	45.9	643	0.53	7.4	124	3494						
W11	-18.288	7/14/09	1256	-3.1	0.40	Ebb	1.81	56	38.5	540	0.48	6.7	77	2168						
W11	-18.288	8/19/09	1334	-2.8	0.52	Flood	2.36	73	50.0	701	0.69	9.7	118	3312						
W11	-18.288	9/21/09	1518	-3.2	0.24	Flood	2.44	76	48.8	684	0.59	8.3	93	2600						
W11	-18.288	10/22/09	1555	-3.3	0.15	Low	3.63	113	51.6	723	0.70	9.8	92	2579						
W11	-18.288	11/17/09	821	-3.1	0.40	Ebb	3.22	100	56.5	792	0.81	11.4	144	4058						
W11	-18.288	12/8/09	811	-3.0	0.49	Flood	3.16	98	67.4	944	1.16	16.2	166	4671						
W11	-18.288	1/5/10	1432	-3.4	0.0	Low	2.87	89	56.2	787	0.93	13.0	142	3977						
W11	-18.288	2/1/10	1529	-3.2	0.15	Flood	2.84	88	51.8	725	0.50	7.0	130	3651						
W11	-18.288	3/9/10	1517	-3.4	0.12	Ebb	3.29	102	39.9	559	0.57	8.0	147	4117						
W11	-18.288	4/6/10	1349	-3.4	0.12	Ebb	3.62	112	44.8	627	1.36	19.0	161	4519						
W11	-18.288	5/11/10	1414	-2.9	0.52	Flood	2.68	83	41.3	578	0.93	13.0	140	3933						
W11	-18.288	6/16/10	920	-3.2	0.09	Ebb	3.07	95	46.9	657	0.36	5.0	152	4278						
W11	-18.288	7/13/10	1402	-3.2	0.24	Flood	3.00	93	40.1	561	0.57	8.0	152	4268						
W11	-18.288	8/3/10	1403	-3.0	0.43	Ebb	3.07	95	35.5	497	0.48	6.7	160	4484						
W11	-18.288	9/14/10	1417	-3.0	0.34	Ebb	2.94	91	34.1	478	0.14	1.9	161	4516						
W11	-18.288	10/12/10	1442	-3.1	0.18	Low	2.78	86	31.2	437	0.48	6.7	157	4410						
W11	-18.288	11/16/10	1331	-3.1	0.37	Ebb	2.91	90	35.6	499	0.51	7.1	156	4394						
W11	-18.288	12/14/10	1402	-3.2	0.18	Ebb	2.91	90	40.1	562	0.13	1.8	159	4473						
W11	-18.288	1/4/11	1400	-3.3	0.12	Flood	3.16	98	39.5	553	0.49	6.9	153	4292						
W11	-18.288	4/5/11	1409	-3.1	0.21	Flood	2.97	92	35.6	498	0.05	0.7	140	3945						
W11	-18.288	7/12/11	1426	-2.9	0.73	Flood	3.00	93	32.4	454	0.12	1.7	156	4391						
W11	-18.288	10/11/11	1240	-3.1	0.24	Flood	3.07	95	24.8	347	0.19	2.7	156	4390						
W11	-18.288	1/10/12	1504	-3.4	0.09	Flood	3.00	93	27.8	389	0.09	1.3	145	4082						
W11	-18.288	5/1/12	1450	-3.1	0.40	Ebb	3.65	113	32.9	461	0.22	3.1	151	4240						
W11	-18.288	7/18/12	1406	-2.9	0.52	Flood	2.94	91	22.2	311	0.23	3.2	157	4420						
W11	-18.288	10/16/12	1358	-3.2	0.24	Flood	2.78	86	17.2	241	0.04	0.5	153	4299						
W11	-18.288	1/8/13	1448	-3.3	0.15	Ebb	2.39	74	13.8	193	0.14	1.9	171	4812						
W11	-18.288	4/9/13	1427	-3.1	0.46	Flood	2.32	72	13.7	192	0.70	9.8	143	4013						
W11	-18.288	7/17/13	1545	-3.1	0.46	Ebb	2.03	63	26.9	377	0.10	1.4	151	4239						
W11	-18.288	10/15/13	1424	-2.8	0.52	Ebb	1.87	58	20.6	288	0.16	2.3	146	4104						
W11	-18.288	1/15/14	1412	-3.0	0.15	Flood	2.36	73	28.4	398	0.31	4.4	154	4328						
W11	-18.288	4/29/14	1640	-2.8	0.58	High	2.00	62	37.2	521	0.41	5.7	155	4357						
W11	-18.288	7/29/14	1505	-3.1	0.40	Flood	2.16	67	39.7	556	0.21	3.0	152	4272						
W11	-18.288	11/5/14	1447	-2.9	0.40	High	2.42	75	45.0	631	0.07	1.0	154	4315						
W11	-18.288	2/10/15	1158	-3.2	0.24	High	2.95	91	47.4	664	0.53	7.4	182	5118						
W11	-18.288	5/19/15	1138	-3.5	0.00	Flood	2.54	79	56.9	797	0.43	6.0	162	4538						
W11	-18.288	7/21/15	1414	-3.34	0.15	Flood	3.10	96	38.2	535	0.01	0.2	163	4581						
W11	-18.288	11/9/15	1245	-3.06	0.40	Flood	3.17	98	62.5	875	0.06	0.8	197	5538						
W11	-18.288	1/26/16	1153	-3.40	0.08	Low	2.98	92	60.5	848	0.16	2.2	158	4428						
W11	-18.288	4/1/16																		

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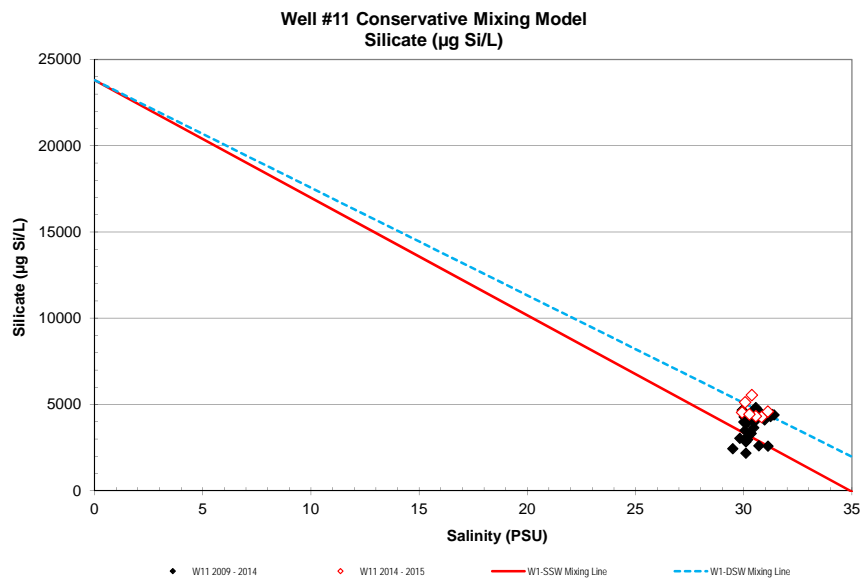
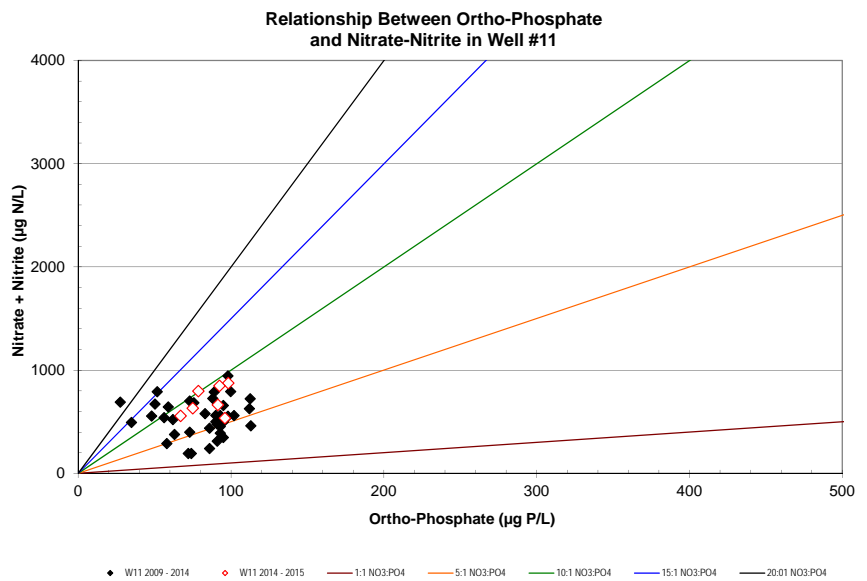
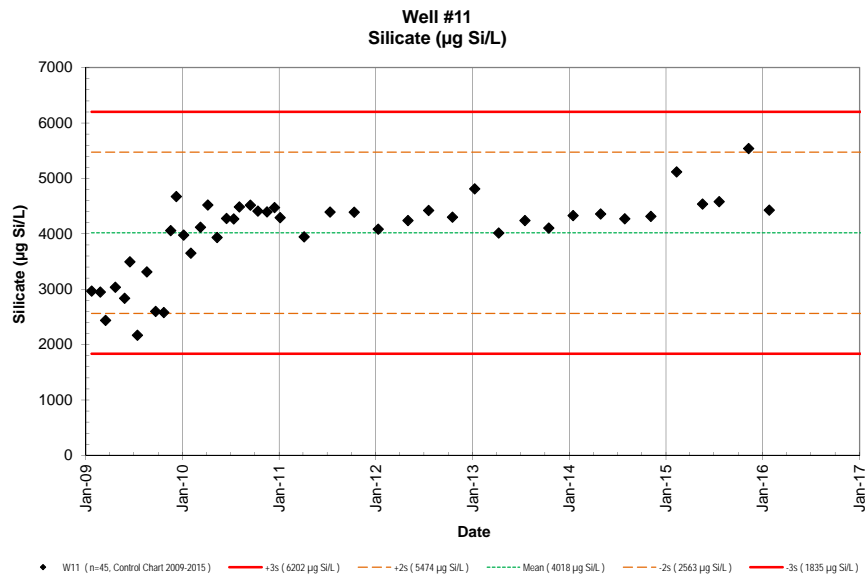
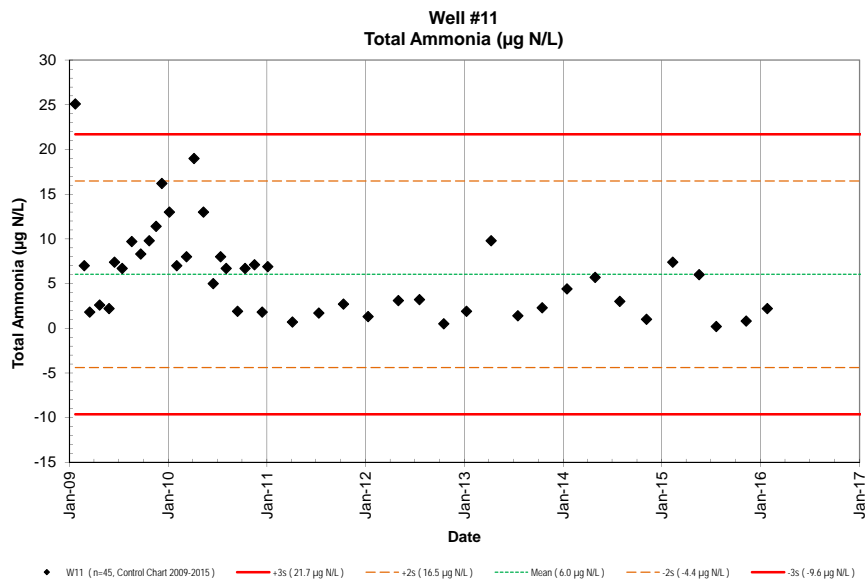
Well 11
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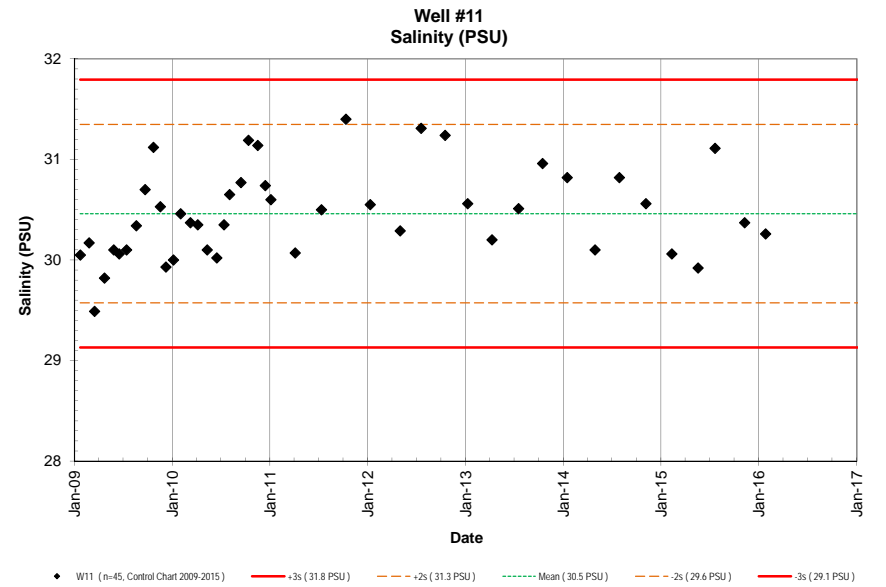
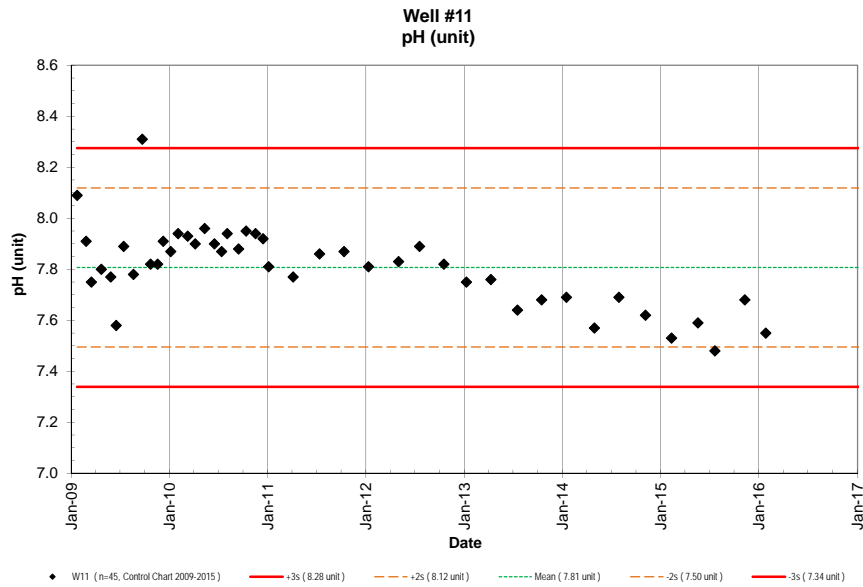
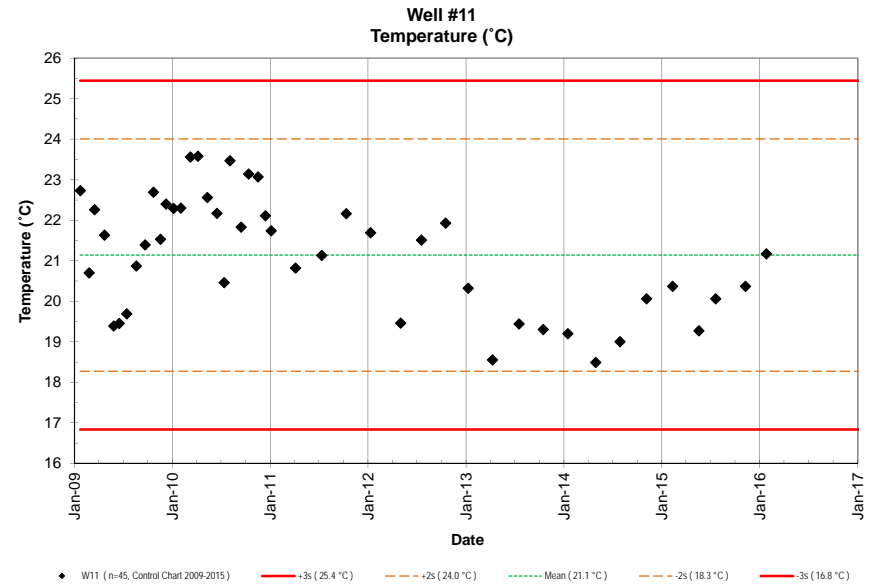
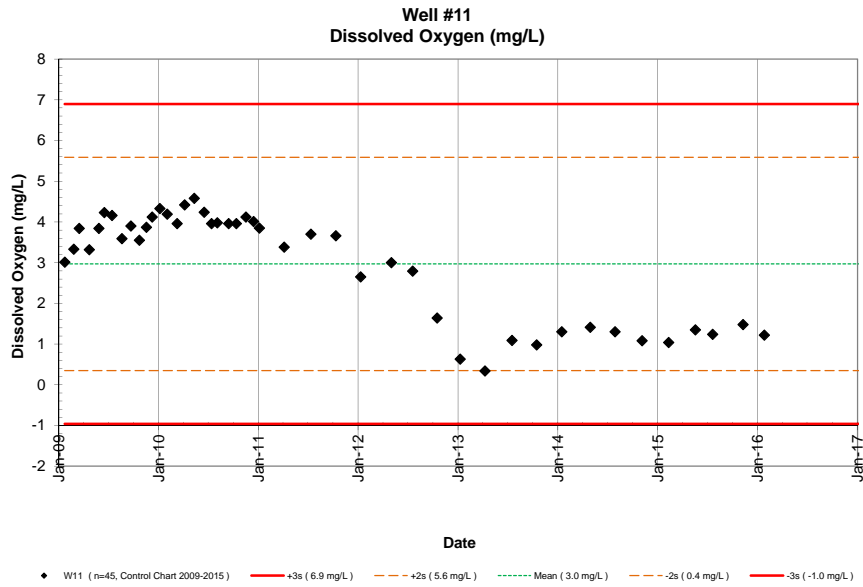
Well 11

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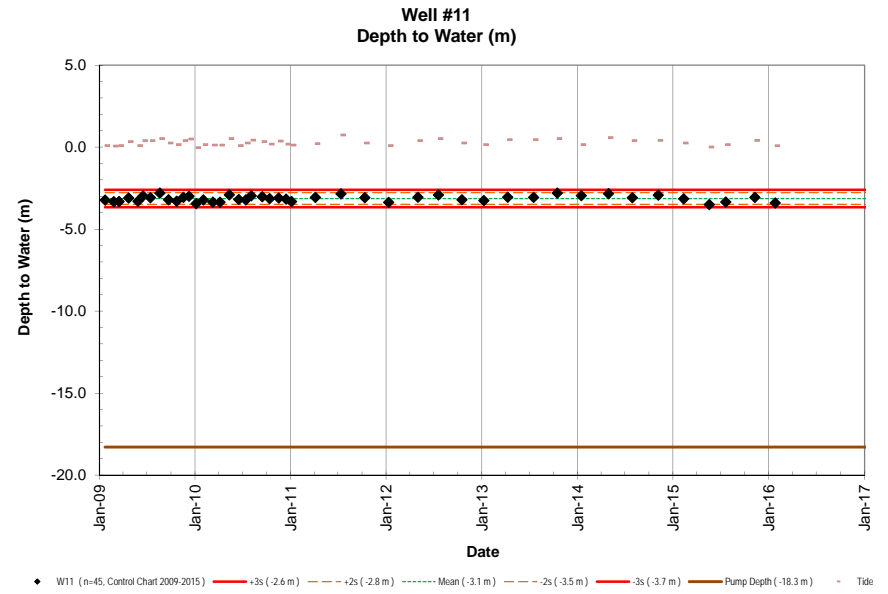
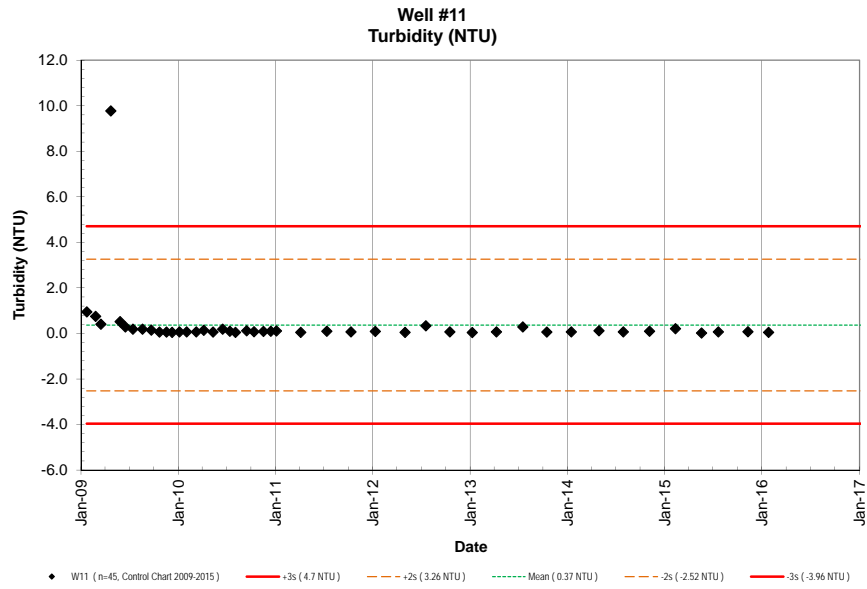
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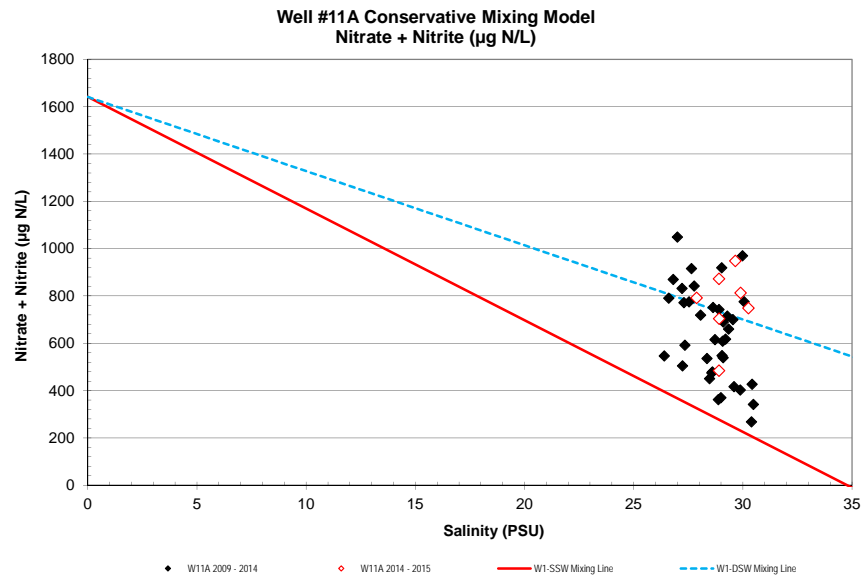
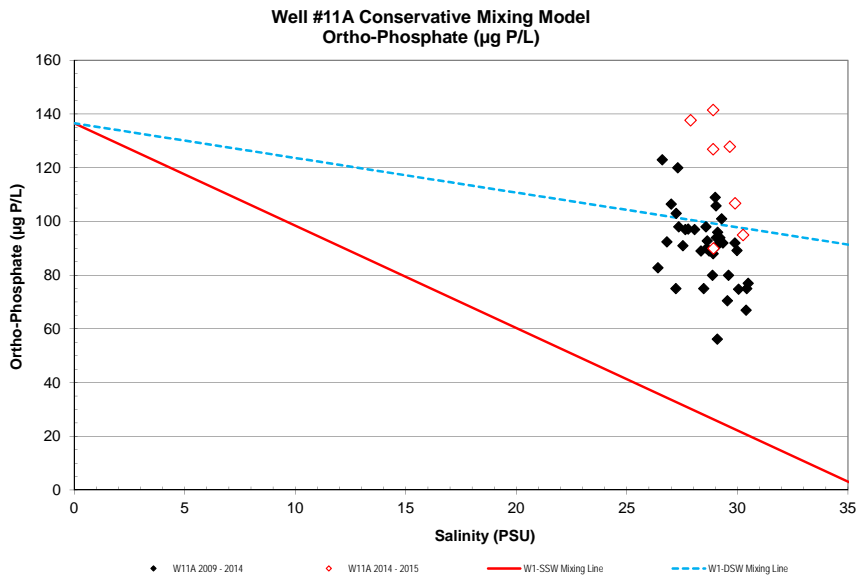
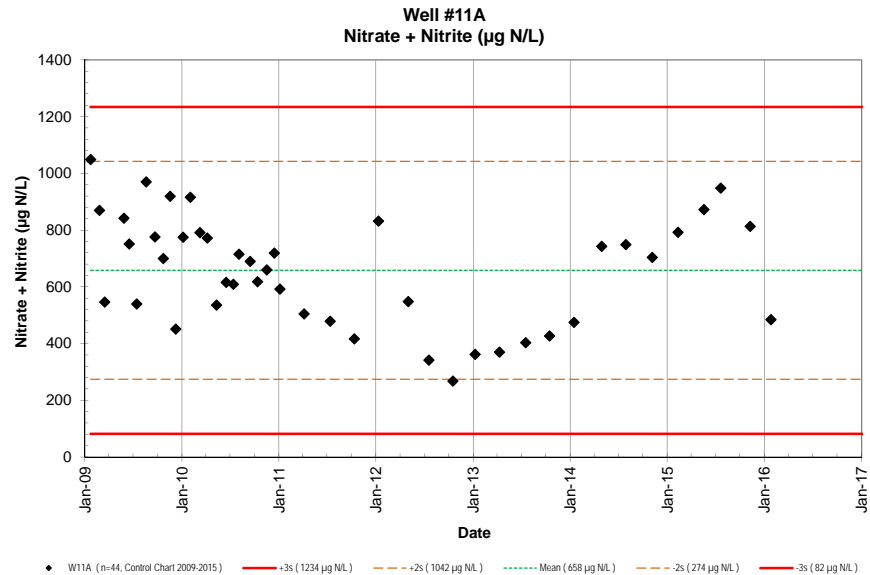
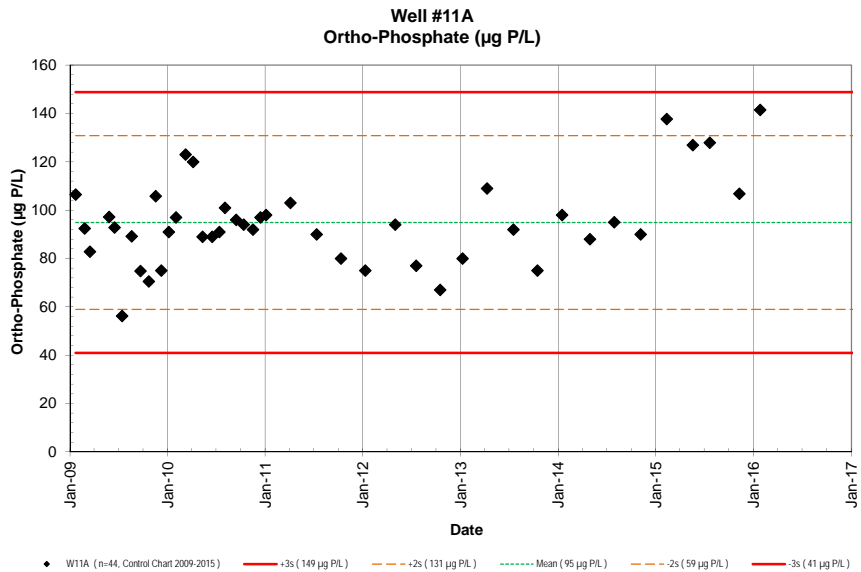
Well 11A Data Table

1/22/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W11A -12.192		1/22/09	1026	-3.4	0.09	Low	3.44	107	74.9	1049	0.06	0.8	167	4690						
W11A -12.192		2/24/09	942	-3.4	0.06	Ebb	2.98	92	62.1	870	0.15	2.1	193	5432						
W11A -12.192		3/16/09	1031	-3.4	0.09	Ebb	2.67	83	39.0	547	0.13	1.8	151	4251						
W11A -12.192		4/22/09	1230	-3.2	0.34	Flood														
W11A -12.192		5/27/09	947	-3.4	0.09	Ebb	3.14	97	60.1	842	0.16	2.2	272	7636						
W11A -12.192		6/16/09	1346	-3.1	0.40	Ebb	3.00	93	53.7	752	0.49	6.8	163	4583						
W11A -12.192		7/14/09	1243	-3.2	0.40	Ebb	1.81	56	38.5	540	0.48	6.7	77	2168						
W11A -12.192		8/19/09	1319	-2.9	0.52	Flood	2.88	89	69.3	970	0.77	10.8	140	3940						
W11A -12.192		9/21/09	1455	-3.2	0.24	Flood	2.41	75	55.4	776	0.55	7.7	106	2987						
W11A -12.192		10/22/09	1536	-3.4	0.15	Low	2.28	71	50.0	700	0.74	10.4	86	2423						
W11A -12.192		11/17/09	800	-3.1	0.40	Ebb	3.42	106	65.6	920	0.83	11.6	186	5221						
W11A -12.192		12/8/09	832	-3.1	0.49	Flood	2.42	75	32.2	451	0.69	9.6	214	6018						
W11A -12.192		1/5/10	1451	-3.5	0.0	Low	2.94	91	55.3	775	0.71	10.0	201	5649						
W11A -12.192		2/1/10	1540	-3.3	0.15	Flood	3.13	97	65.4	916	0.57	8.0	178	5013						
W11A -12.192		3/9/10	1529	-3.5	0.12	Ebb	3.97	123	56.5	791	0.29	4.0	224	6279						
W11A -12.192		4/6/10	1354	-3.4	0.12	Ebb	3.87	120	55.1	772	1.14	16.0	214	6014						
W11A -12.192		5/11/10	1420	-2.9	0.52	Flood	2.87	89	38.3	536	1.29	18.0	191	5351						
W11A -12.192		6/16/10	908	-3.2	0.09	Ebb	2.87	89	44.0	616	0.57	8.0	197	5533						
W11A -12.192		7/13/10	1409	-3.2	0.24	Flood	2.94	91	43.5	609	0.14	2.0	197	5529						
W11A -12.192		8/3/10	1420	-3.0	0.43	Ebb	3.26	101	51.0	715	0.21	3.0	197	5526						
W11A -12.192		9/14/10	1435	-3.1	0.34	Ebb	3.10	96	49.3	690	0.62	8.7	207	5815						
W11A -12.192		10/12/10	1454	-3.2	0.18	Low	3.03	94	44.1	618	0.21	3.0	192	5394						
W11A -12.192		11/16/10	1339	-3.0	0.37	Ebb	2.97	92	47.1	660	0.21	3.0	190	5326						
W11A -12.192		12/14/10	1410	-3.2	0.18	Ebb	3.13	97	51.3	719	0.16	2.3	202	5675						
W11A -12.192		1/4/11	1351	-3.3	0.12	Flood	3.16	98	42.3	592	0.14	2.0	194	5450						
W11A -12.192		4/5/11	1416	-3.2	0.21	Flood	3.33	103	36.1	505	0.05	0.7	193	5425						
W11A -12.192		7/12/11	1416	-2.9	0.73	Flood	2.91	90	34.2	479	0.09	1.3	203	5713						
W11A -12.192		10/11/11	1248	-3.2	0.24	Flood	2.58	80	29.8	417	0.21	2.9	204	5733						
W11A -12.192		1/10/12	1456	-3.3	0.09	Flood	2.42	75	59.4	832	0.09	1.3	207	5801						
W11A -12.192		5/1/12	1500	-3.1	0.40	Ebb	3.03	94	39.1	548	0.24	3.3	198	5566						
W11A -12.192		7/18/12	1413	-2.9	0.52	Flood	2.49	77	24.4	342	0.30	4.2	179	5036						
W11A -12.192		10/16/12	1351	-3.2	0.24	Flood	2.16	67	19.1	268	0.02	0.3	169	4751						
W11A -12.192		1/8/13	1456	-3.2	0.15	Ebb	2.58	80	25.8	362	0.30	4.2	193	5415						
W11A -12.192		4/9/13	1435	-3.1	0.46	Flood	3.52	109	26.4	370	0.58	8.1	180	5050						
W11A -12.192		7/17/13	1552	-3.1	0.46	Ebb	2.97	92	28.8	403	0.11	1.6	194	5438						
W11A -12.192		10/15/13	1431	-2.9	0.52	Ebb	2.42	75	30.5	427	0.19	2.7	172	4819						
W11A -12.192		1/15/14	1420	-3.2	0.15	Flood	3.16	98	33.9	475	0.31	4.4	183	5144						
W11A -12.192		4/29/14	1634	-2.9	0.58	High	2.84	88	53.0	743	0.22	3.1	178	4995						
W11A -12.192		7/29/14	1512	-3.1	0.40	Flood	3.07	95	53.5	749	0.36	5.0	167	4691						
W11A -12.192		11/5/14	1454	-2.9	0.40	High	2.91	90	50.3	704	0.16	2.3	175	4928						
W11A -12.192		2/10/15	1140	-3.2	0.24	High	4.45	138	56.6	793	0.51	7.2	242	6799						
W11A -12.192		5/19/15	1128	-3.5	0.00	Flood	4.10	127	62.3	873	0.35	4.9	176	4939						
W11A -12.192		7/21/15	1414	-3.3	0.15	Flood	4.13	128	67.7	948	0.11	1.6	183	5130						
W11A -12.192		11/9/15	1235	-3.1	0.40	Flood	3.45	107	58.1	814	0.16	2.2	194	5444						
W11A -12.192		1/26/16	1143	-3.4	0.08	Low	4.57	142	34.6	484	0.00	0.0	179	5032						
W11A -12.192		4/1/16																		

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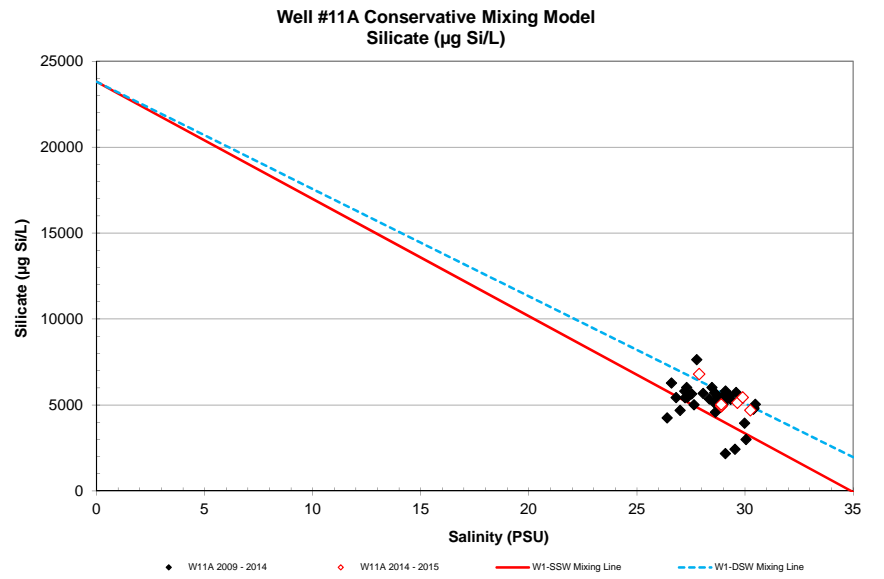
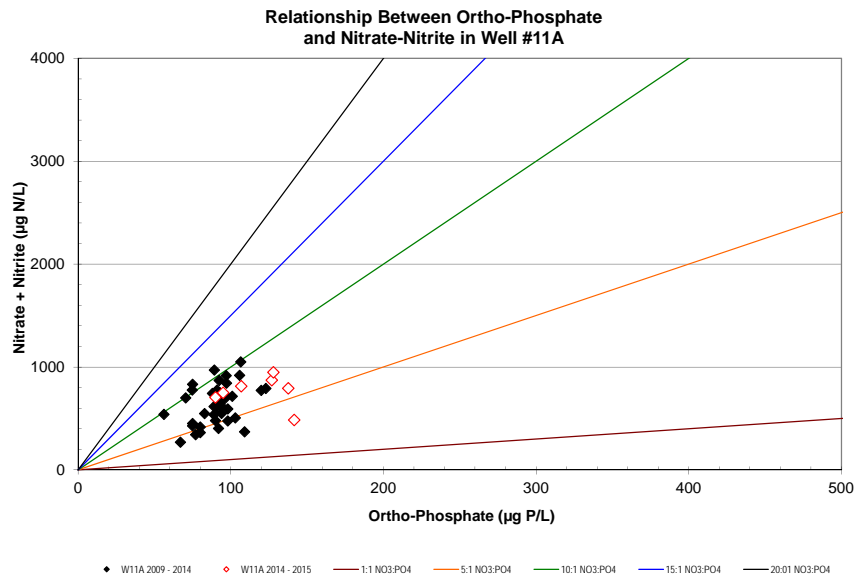
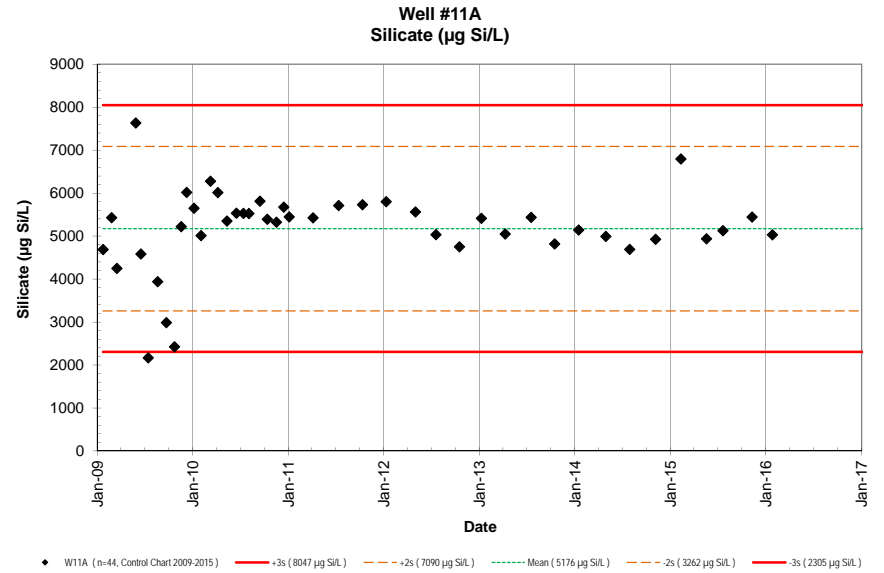
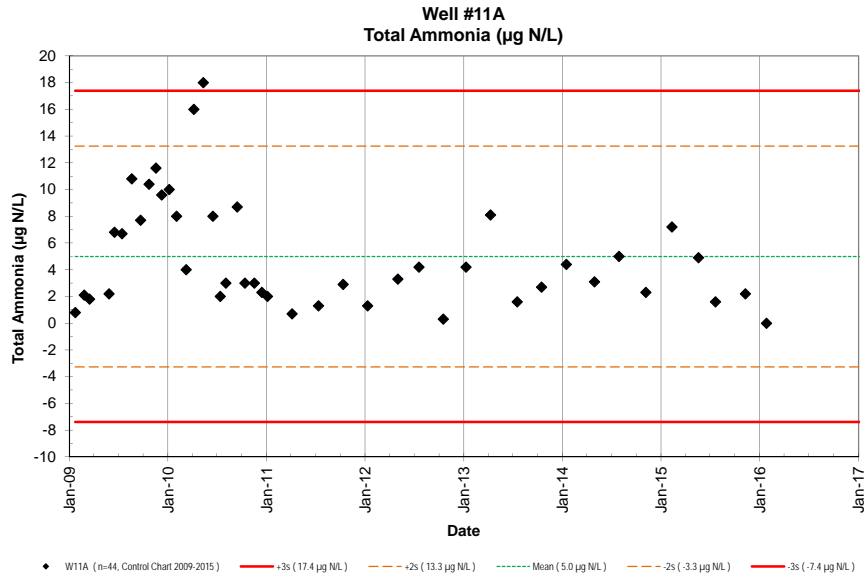
Well 11A
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Well 11A

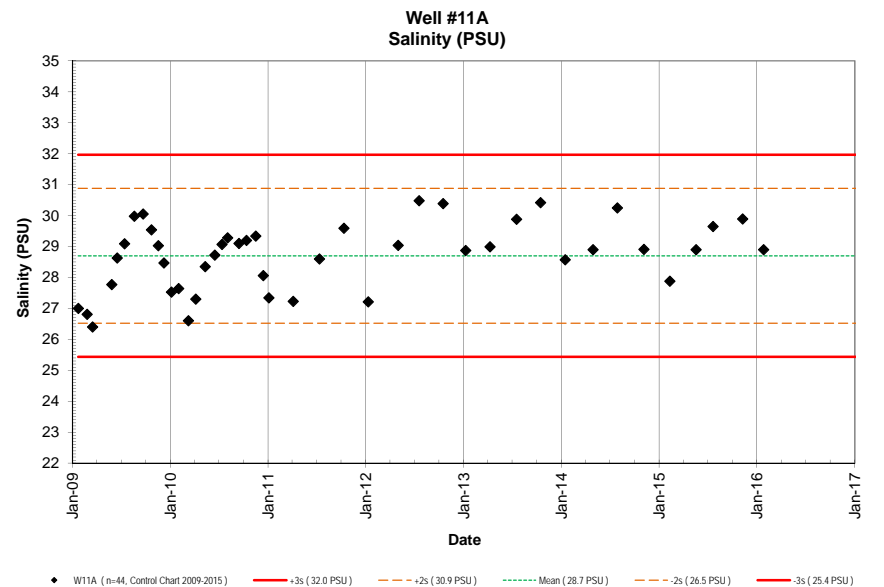
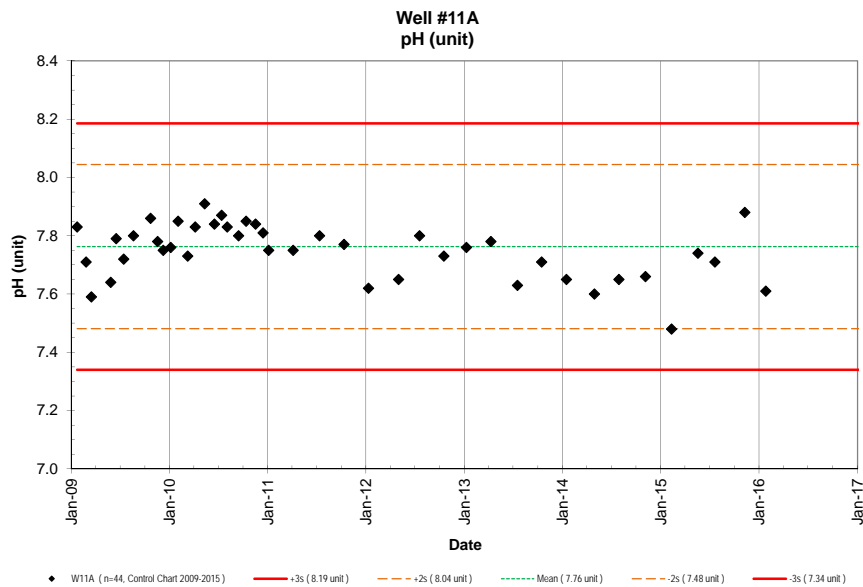
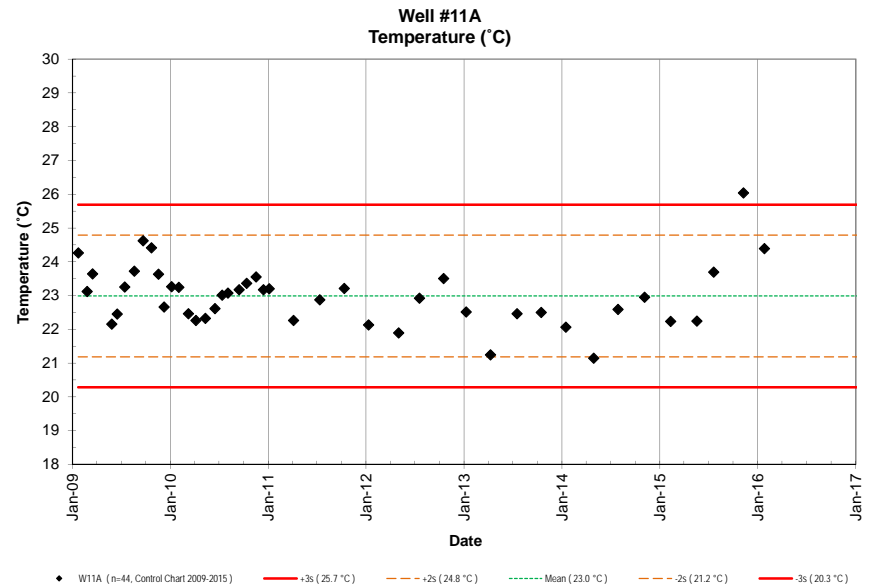
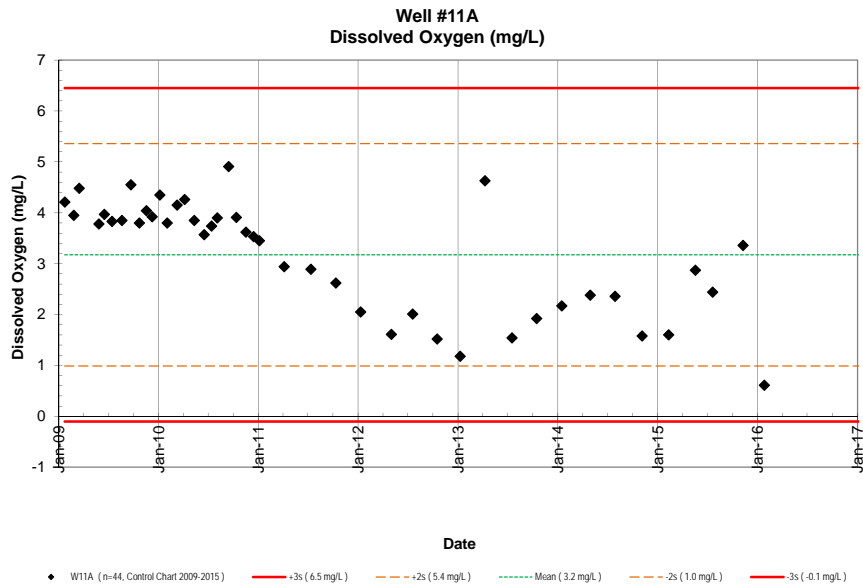
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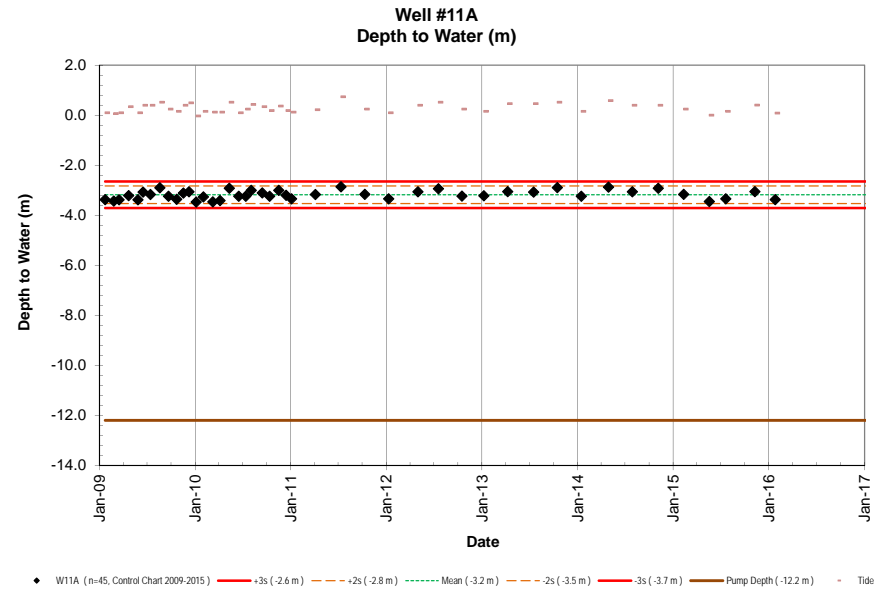
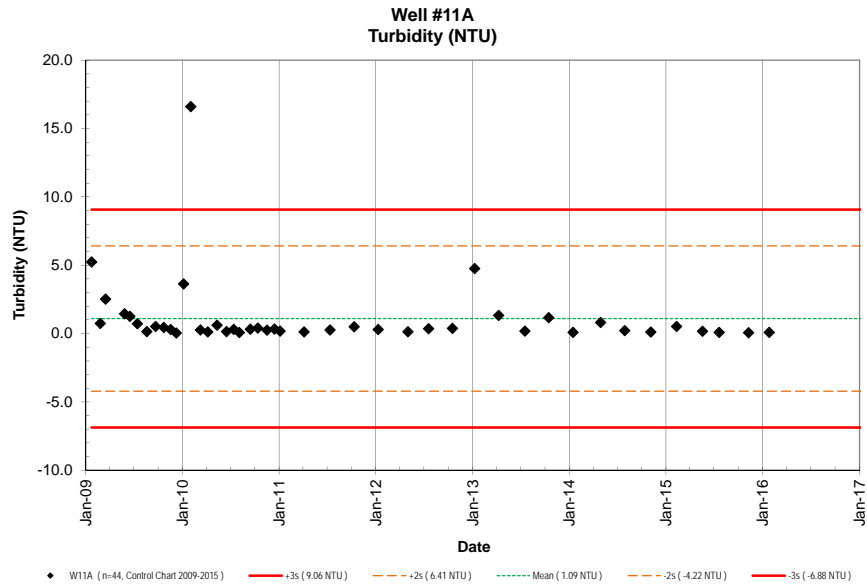
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Well 11A

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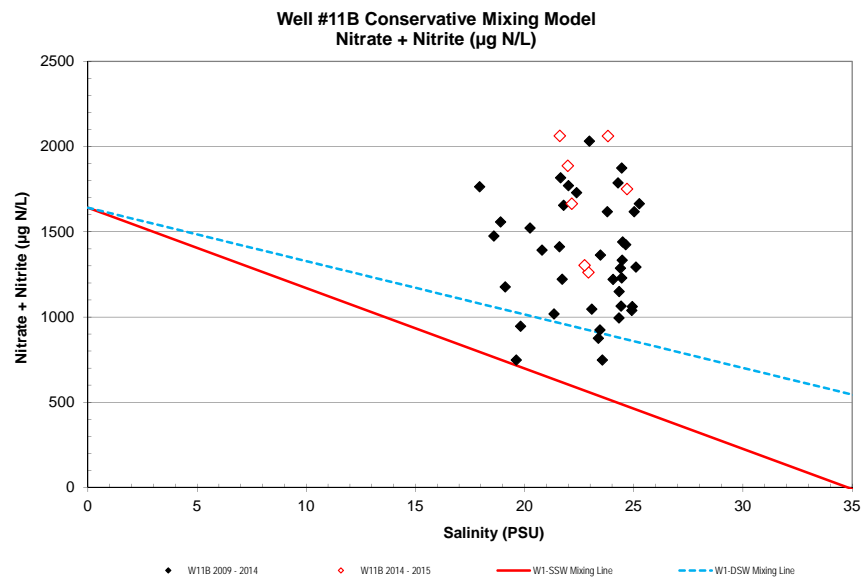
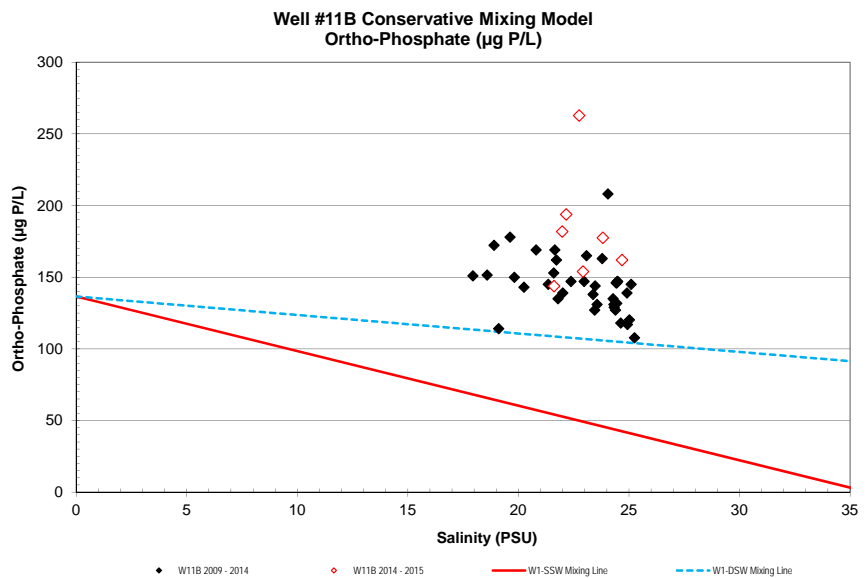
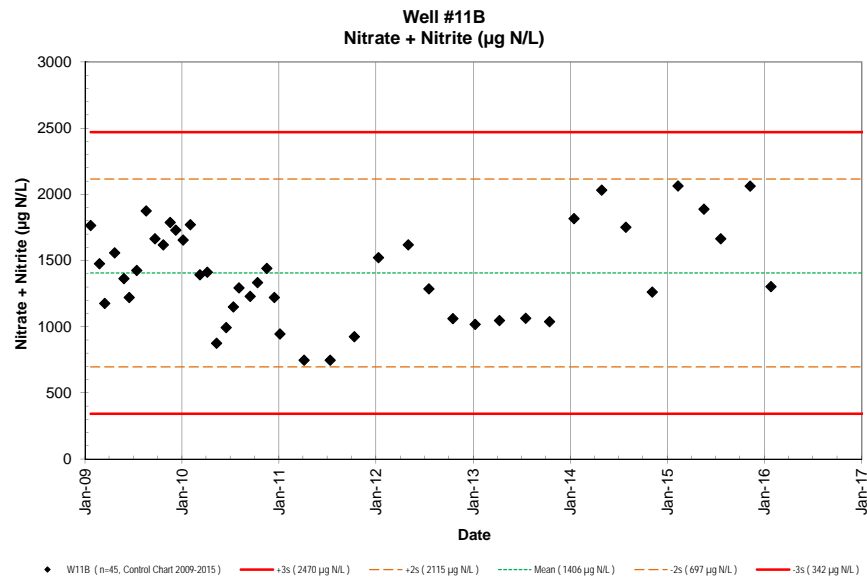
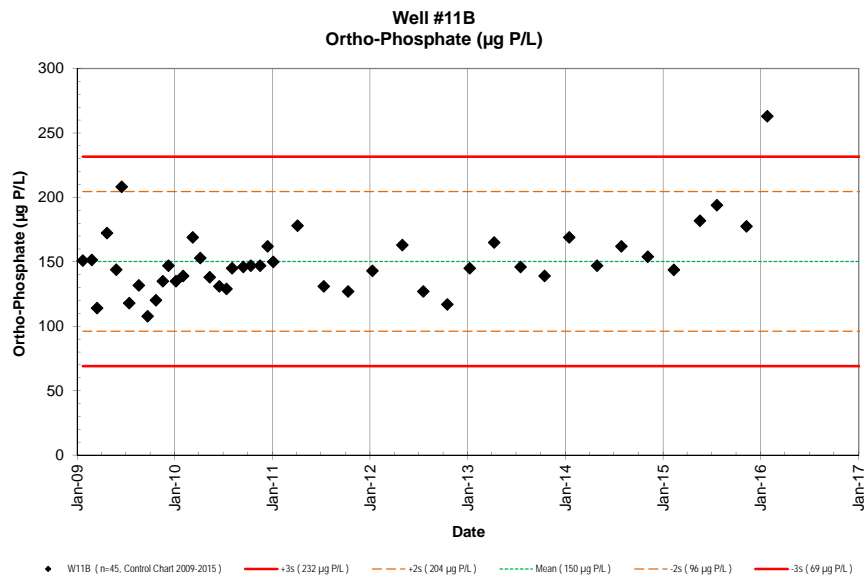
NELHA Water Quality Laboratory
 Well 11A
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Well 11B

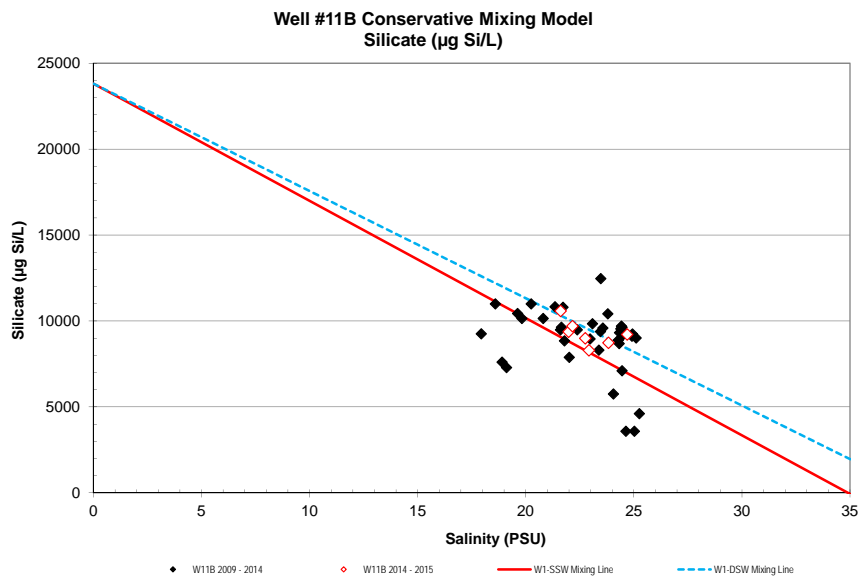
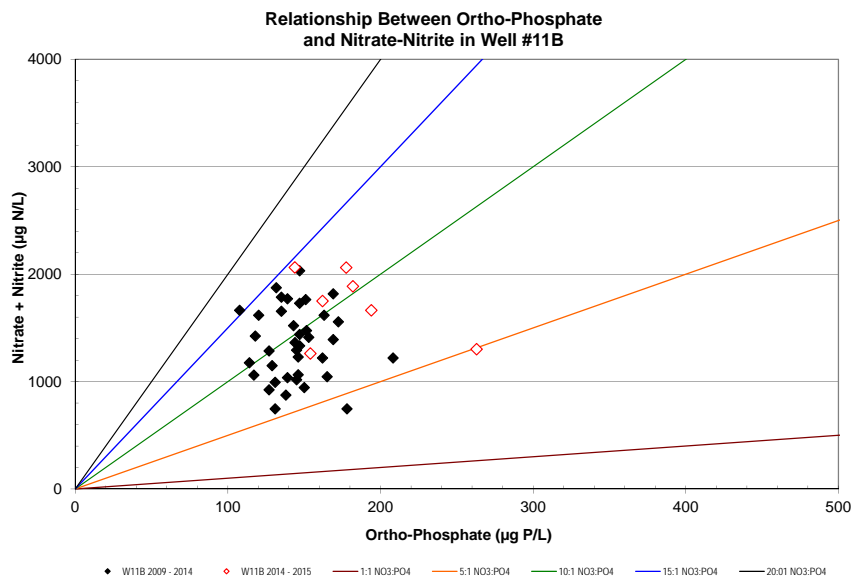
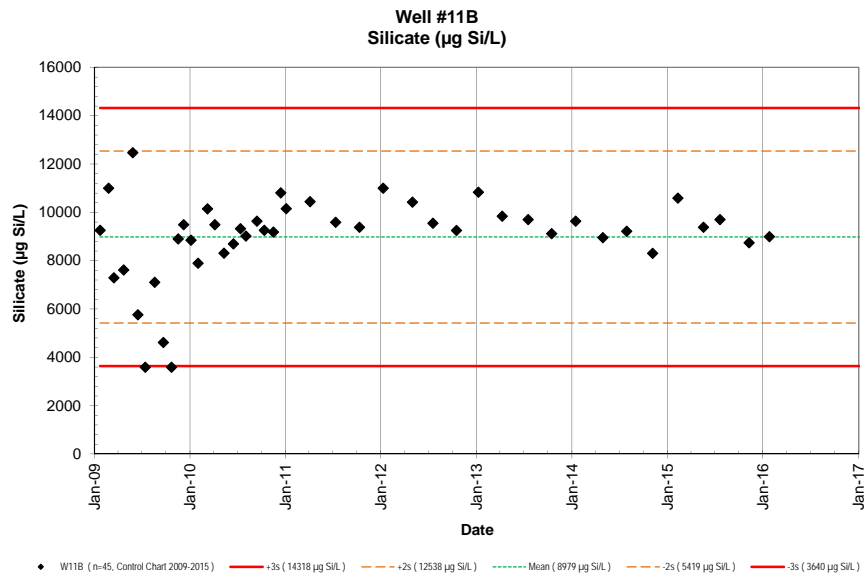
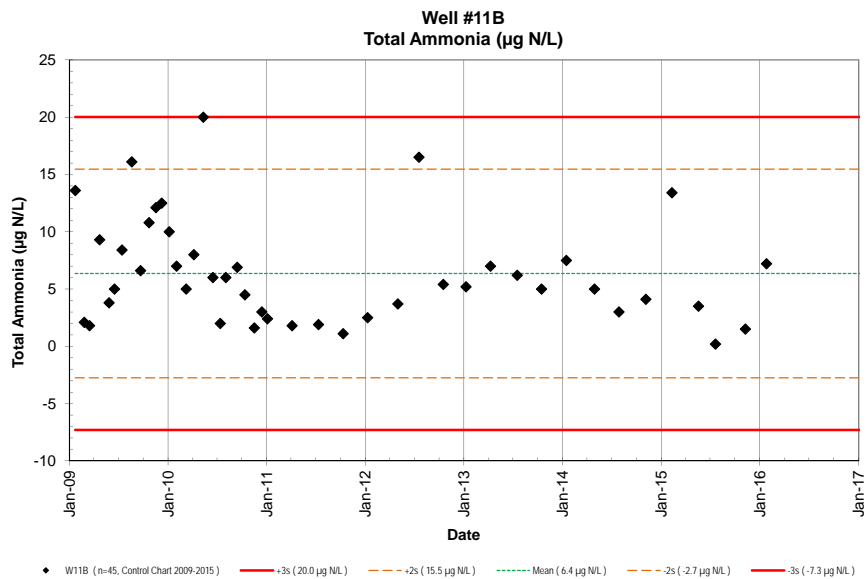
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Well 11B

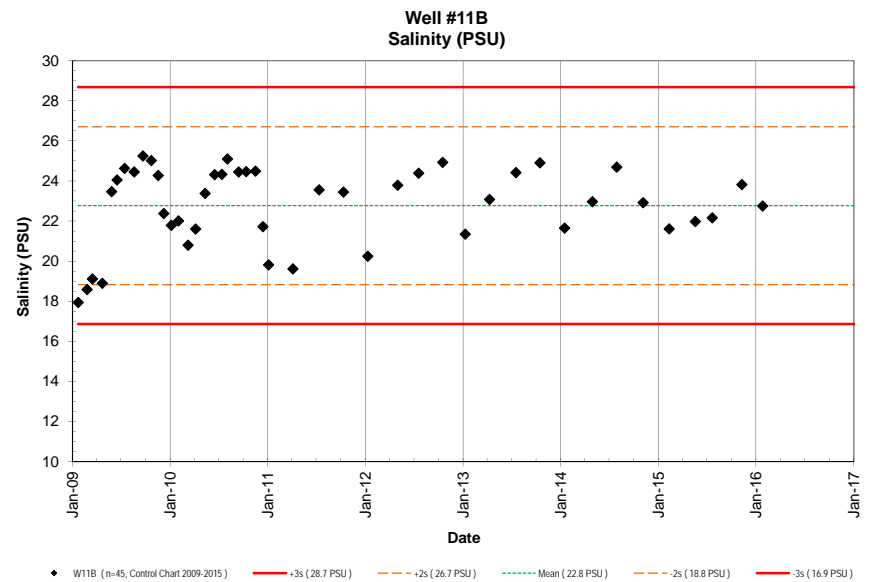
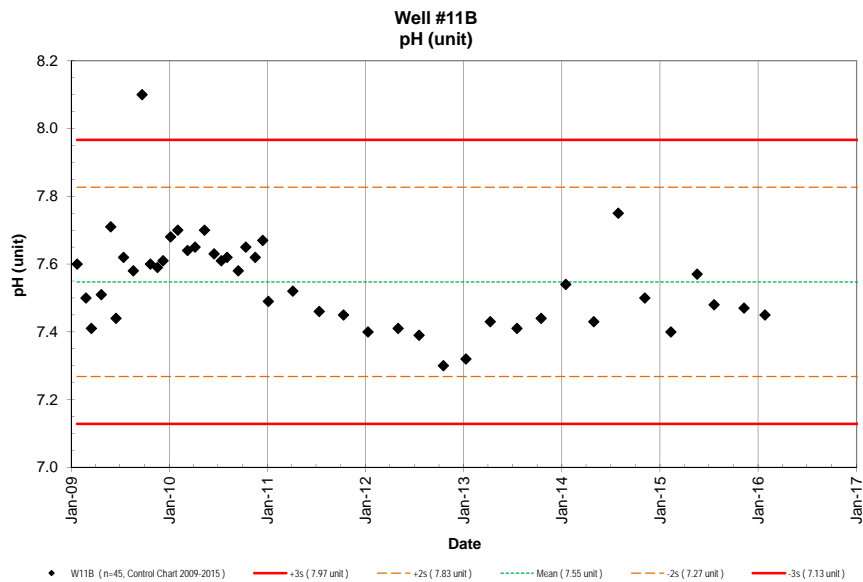
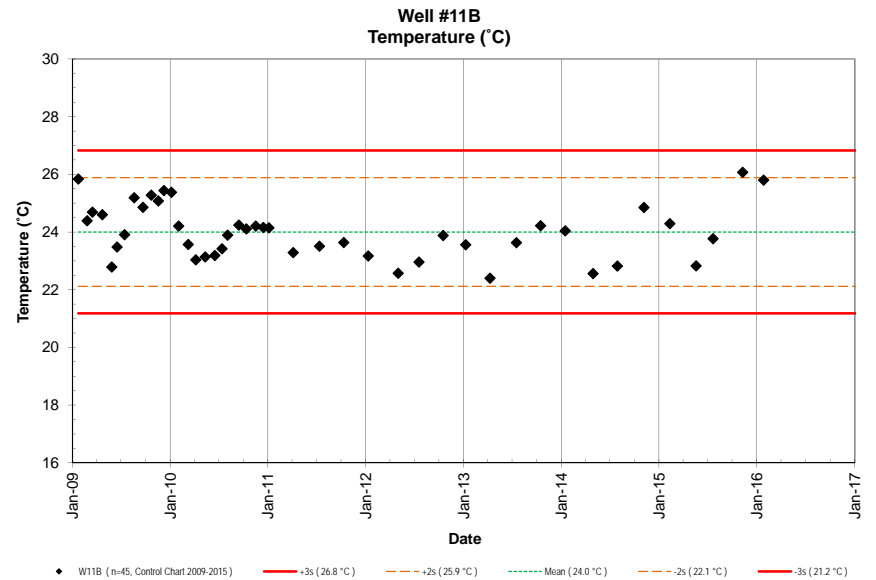
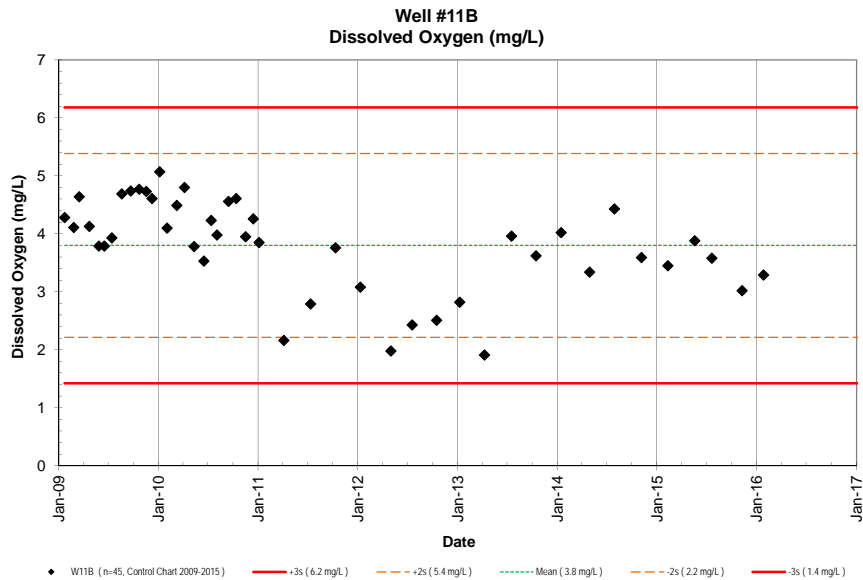
1/22/2009 - 4/4/2016



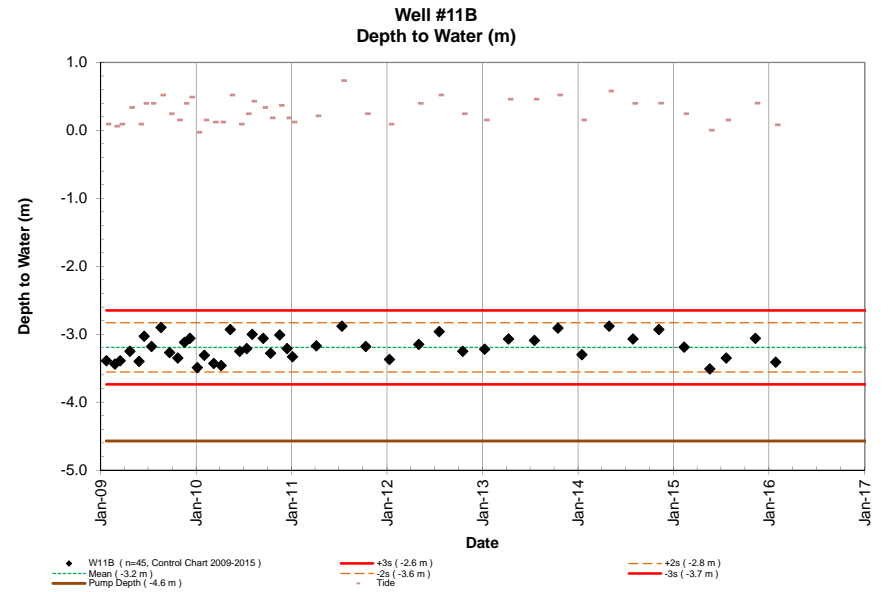
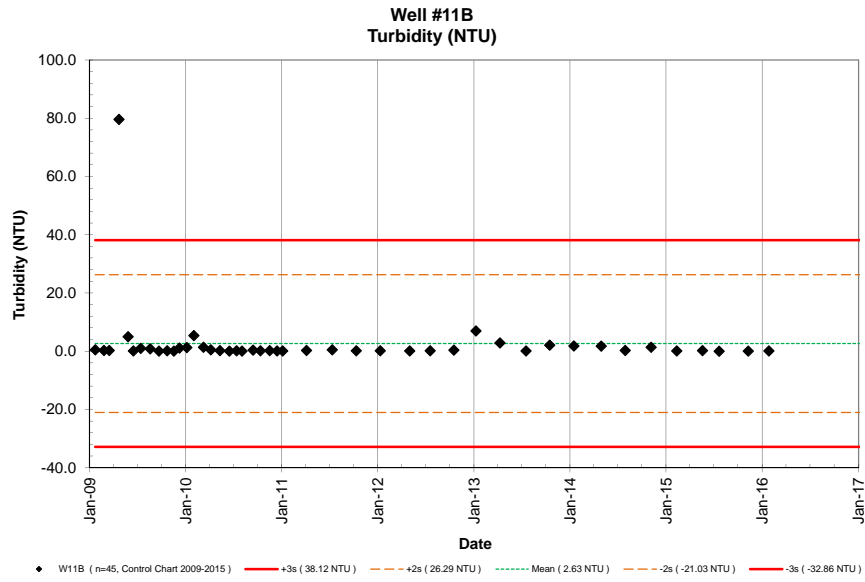
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Well 11B

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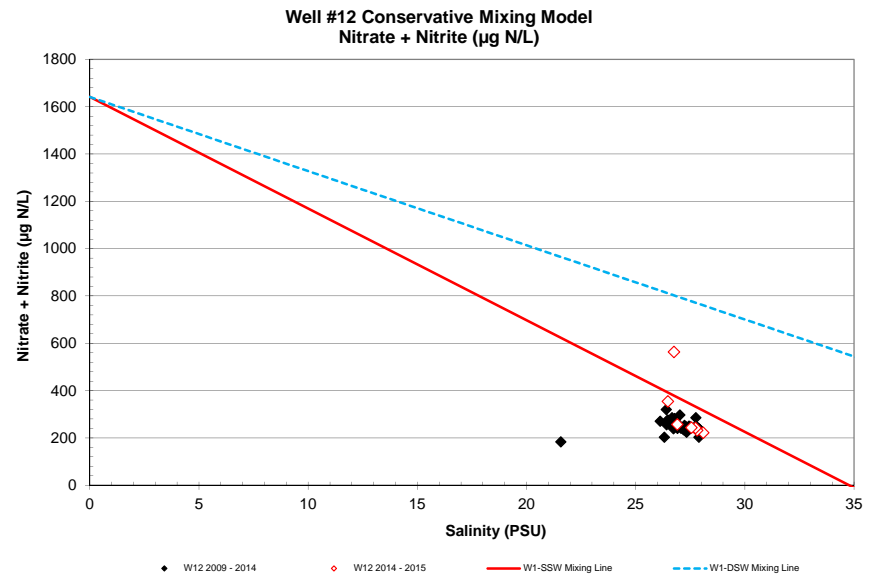
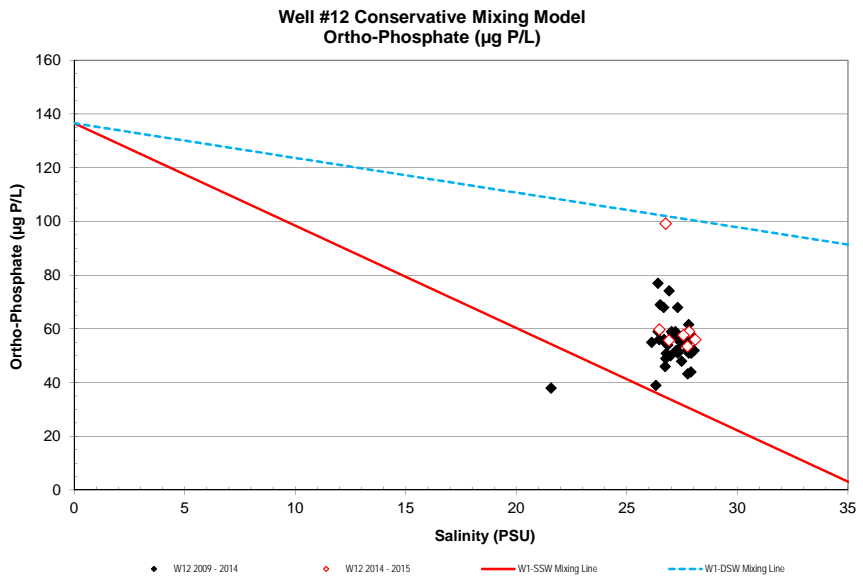
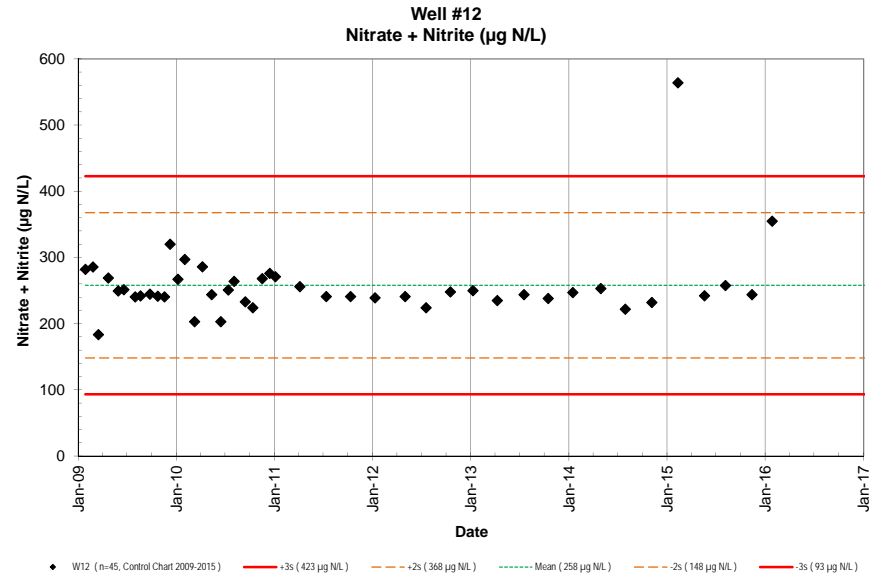
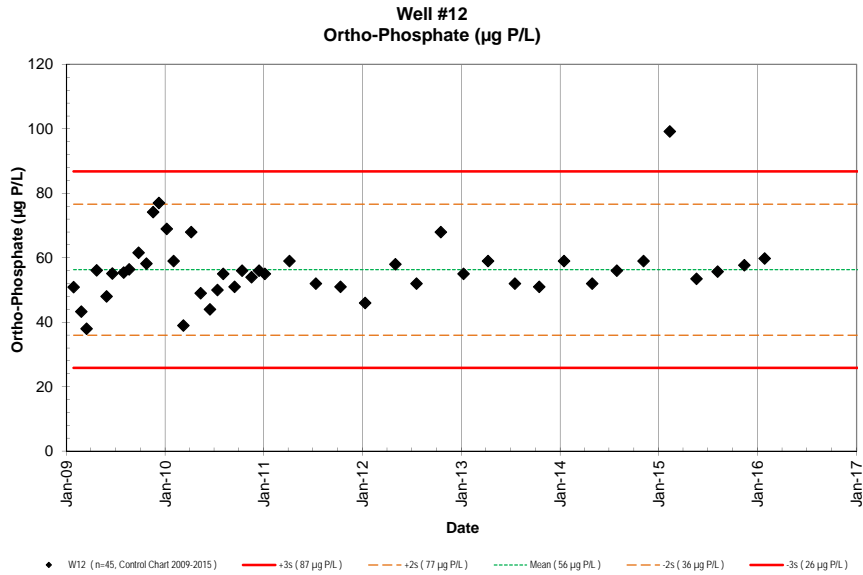
Well 12 Data Table

1/27/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W12	-18.288	01/27/09	1024	-5.37	0.09	Ebb	1.64	51	20.1	282	0.14	1.9	146	4094						
W12	-18.288	02/24/09	1440	-5.32	0.24	Flood	1.40	43	20.4	286	0.15	2.1	319	8965						
W12	-18.288	03/16/09	1440	-5.56	0.06	Flood	1.23	38	13.1	184	0.13	1.8	233	6549						
W12	-18.288	04/22/09	922	-5.58	0.00	Flood	1.81	56	19.2	269	0.41	5.7	280	7867						
W12	-18.288	05/29/09	1324	-5.49	0.12	Low	1.55	48	17.8	249	0.19	2.7	482	13529						
W12	-18.288	06/19/09	1343	-4.89	0.70	High	1.78	55	17.9	251	0.45	6.3	218	6137						
W12	-18.288	07/31/09	1355	-4.90	0.64	High	1.79	55	17.2	241	0.39	5.5	226	6349						
W12	-18.288	08/20/09	1443	-4.91	0.61	Flood	1.82	56	17.3	242	1.12	15.7	287	8067						
W12	-18.288	09/24/09	1413	-5.30	0.30	Ebb	1.99	62	17.5	245	1.01	14.1	242	6800						
W12	-18.288	10/23/09	1606	-5.40	0.15	Low	1.88	58	17.2	241	0.74	10.4	169	4743						
W12	-18.288	11/17/09	1537	-5.51	0.21	Flood	2.40	74	17.2	241	0.86	12.1	283	7951						
W12	-18.288	12/08/09	1150	-5.23	0.37	Ebb	2.49	77	22.8	320	1.06	14.8	367	10317						
W12	-18.288	01/06/10	1121	-5.22	0.21	Ebb	2.23	69	19.1	267	0.71	10.0	333	9363						
W12	-18.288	02/01/10	1105	-5.33	0.00	Ebb	1.90	59	21.2	297	0.43	6.0	347	9736						
W12	-18.288	03/09/10	1058	-5.58	0.15	Flood	1.26	39	14.5	203	0.29	4.0	364	10231						
W12	-18.288	04/07/10	826	-5.50	0.09	Flood	2.20	68	20.4	286	1.36	19.0	341	9584						
W12	-18.288	05/12/10	1028	-5.53	0.06	Flood	1.58	49	17.4	244	1.57	22.0	328	9226						
W12	-18.288	06/15/10	1614	-5.24	0.46	Flood	1.42	44	14.5	203	0.57	8.0	298	8377						
W12	-18.288	7/13/10	1528	-4.96	0.46	Flood	1.61	50	17.9	251	0.01	0.1	363	10183						
W12	-18.288	8/3/10	1624	-5.15	0.30	Ebb	1.78	55	18.8	264	0.38	5.3	364	10236						
W12	-18.288	9/14/10	1630	-5.31	0.24	Low	1.65	51	16.6	233	0.71	10.0	345	9692						
W12	-18.288	10/12/10	1649	-5.27	0.18	Low	1.81	56	16.0	224	0.41	5.7	359	10095						
W12	-18.288	11/16/10	1531	-5.20	0.24	Ebb	1.74	54	19.1	268	0.06	0.9	377	10576						
W12	-18.288	12/14/10	1559	-5.39	0.06	Ebb	1.81	56	19.7	276	0.21	3.0	385	10806						
W12	-18.288	1/4/11	1540	-5.32	0.21	Flood	1.78	55	19.3	271	0.62	8.7	363	10191						
W12	-18.288	4/5/11	1552	-5.05	0.46	Flood	1.90	59	18.3	256	0.02	0.3	337	9473						
W12	-18.288	7/12/11	1556	-4.94	0.73	Ebb	1.68	52	17.2	241	0.09	1.2	334	9381						
W12	-18.288	10/11/11	1523	-5.10	0.43	High	1.65	51	17.2	241	0.22	3.1	339	9525						
W12	-18.288	1/10/12	1646	-5.32	0.24	Flood	1.49	46	17.1	239	0.14	1.9	322	9031						
W12	-18.288	5/1/12	1604	-5.18	0.30	Ebb	1.87	58	17.2	241	0.25	3.5	344	9675						
W12	-18.288	7/18/12	1454	-4.95	0.64	Flood	1.68	52	16.0	224	0.51	7.1	330	9260						
W12	-18.288	10/16/12	1446	-5.25	0.30	Flood	2.20	68	17.7	248	0.23	3.2	343	9630						
W12	-18.288	1/8/13	1545	-5.39	-0.03	Ebb	1.78	55	17.8	250	0.24	3.4	366	10268						
W12	-18.288	4/9/13	1525	-5.03	0.55	High	1.90	59	16.8	235	0.49	6.8	346	9721						
W12	-18.288	7/17/13	1644	-5.24	0.30	Ebb	1.68	52	17.4	244	1.52	21.3	334	9393						
W12	-18.288	10/15/13	1512	-5.08	0.49	Ebb	1.65	51	17.0	238	0.26	3.6	327	9187						
W12	-18.288	1/15/14	1513	-5.34	0.15	Flood	1.90	59	17.6	247	0.33	4.6	336	9442						
W12	-18.288	4/29/14	1739	-4.95	0.61	High	1.68	52	18.1	253	0.45	6.3	337	9474						
W12	-18.288	7/29/14	1558	-5.09	0.46	Flood	1.81	56	15.8	222	0.14	2.0	331	9287						
W12	-18.288	11/5/14	1541	-5.05	0.36	Ebb	1.90	59	16.6	232	0.09	1.3	317	8893						
W12	-18.288	2/10/15	1533	-5.40	0.24	High	3.20	99	40.3	564	0.50	7.0	580	16283						
W12	-18.288	5/20/15	1036	-5.56	0.00	Ebb	1.73	54	17.3	242	0.21	3.0	303	8507						
W12	-18.288	8/6/15	1031	-5.18	0.43	Ebb	1.80	56	18.4	258	0.01	0.1	322	9057						
W12	-18.288	11/13/15	1340	-5.15	0.30	Flood	1.86	58	17.4	244	0.26	3.7	362	10181						
W12	-18.288	1/27/16	1505	-5.48	0.13	Flood	1.93	60	25.3	355	0.59	8.3	333	9343						
W12	-18.288	4/1/16																		

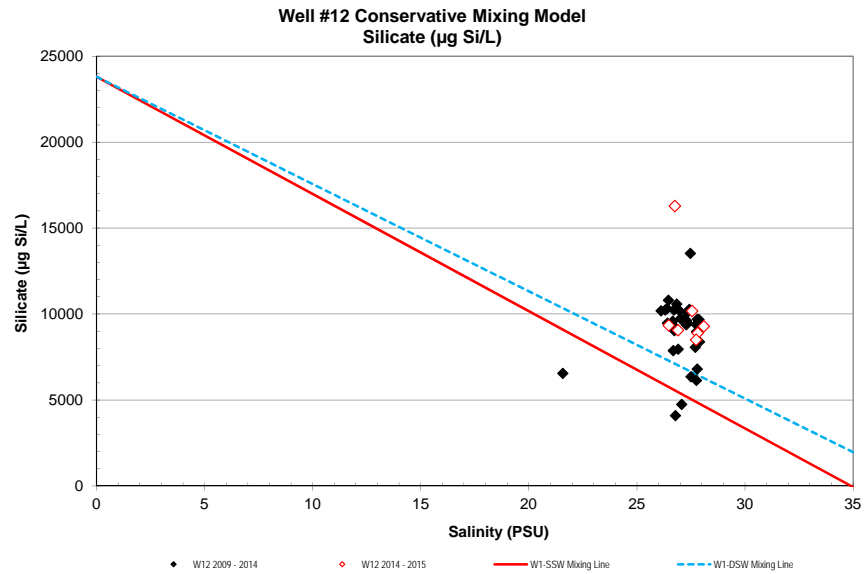
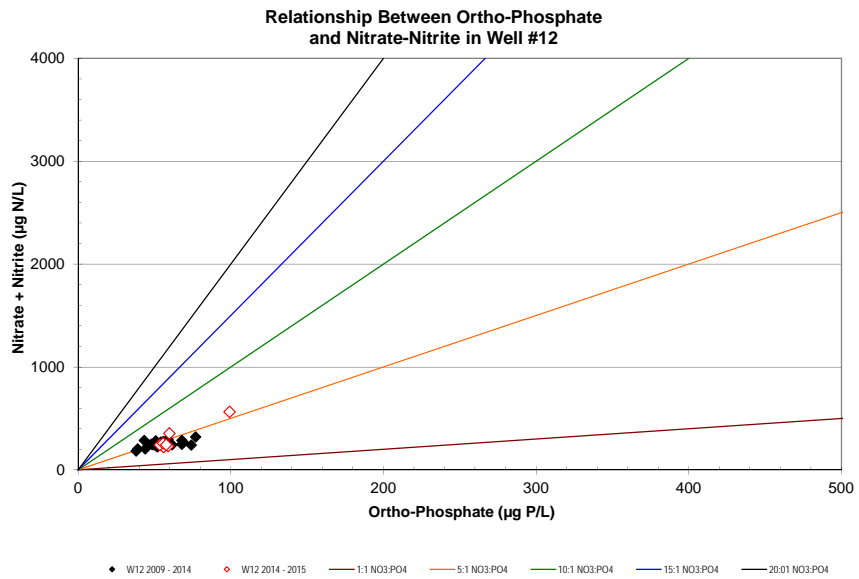
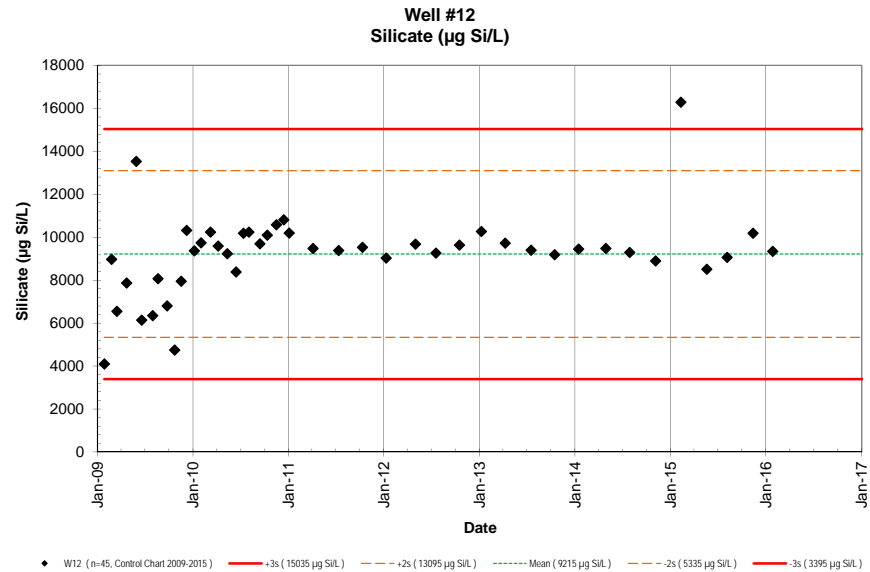
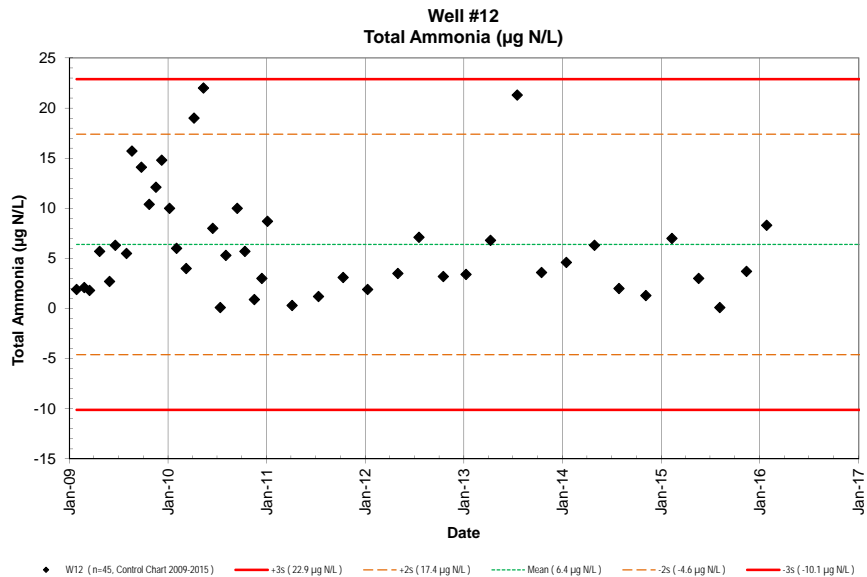
NELHA Water Quality Laboratory

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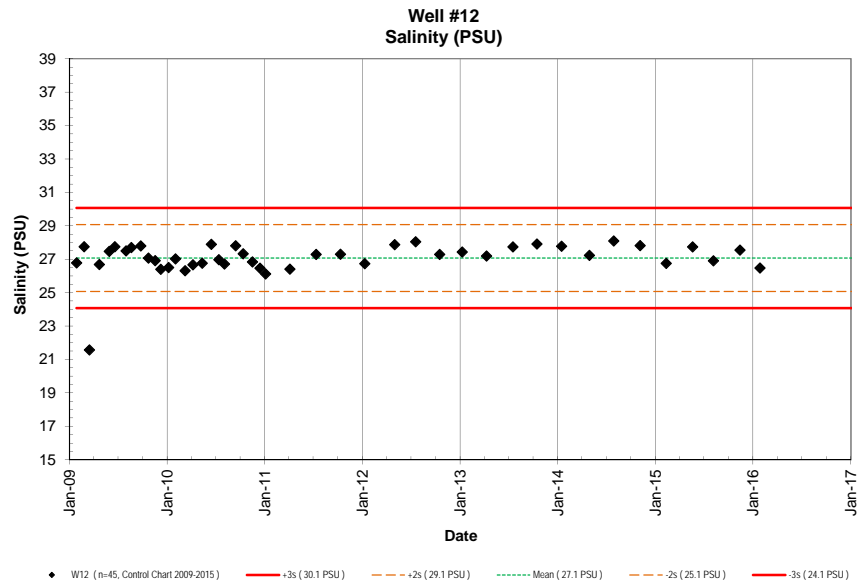
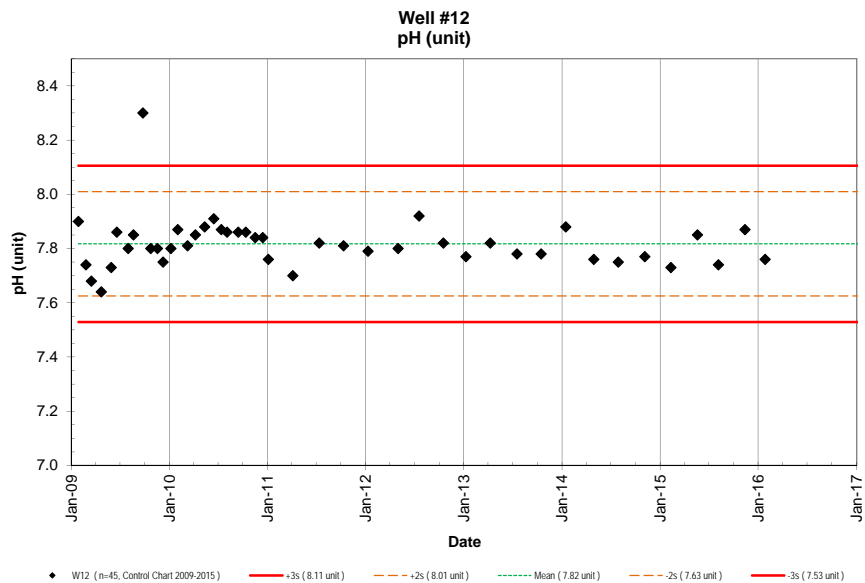
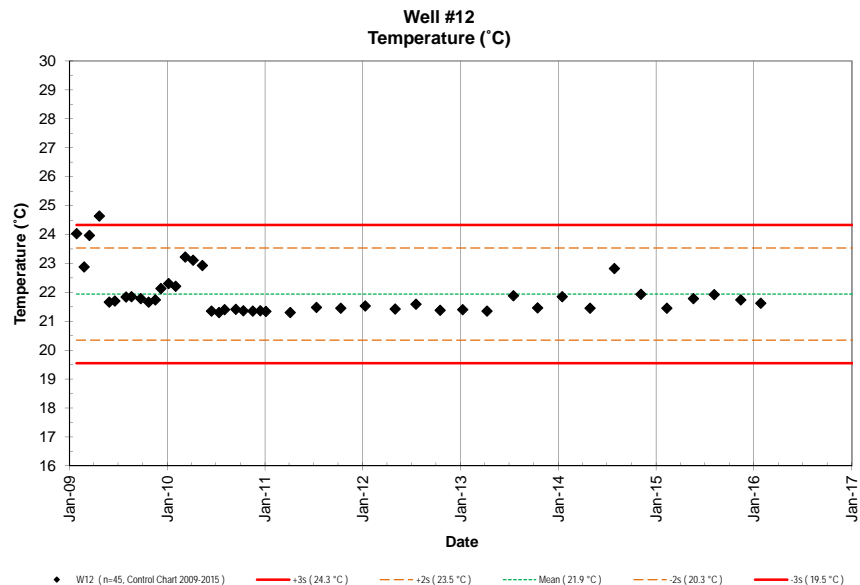
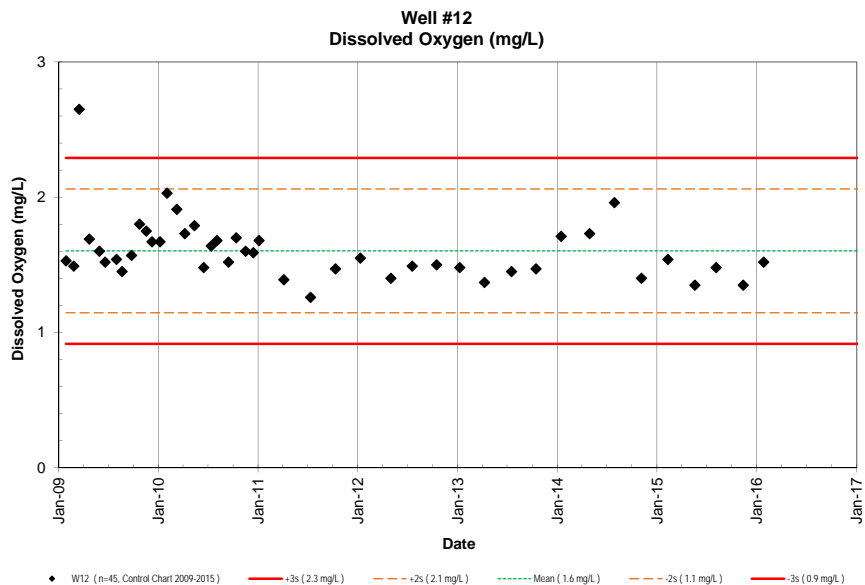
Well 12
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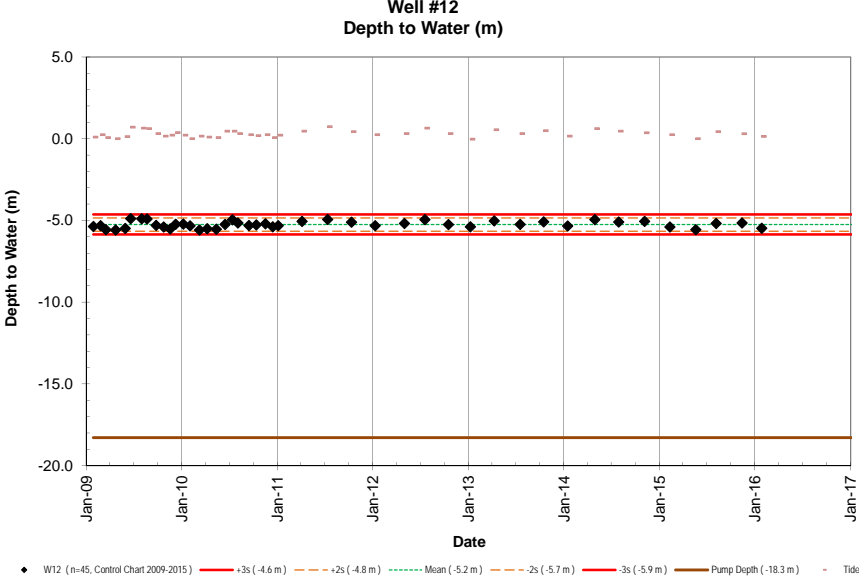
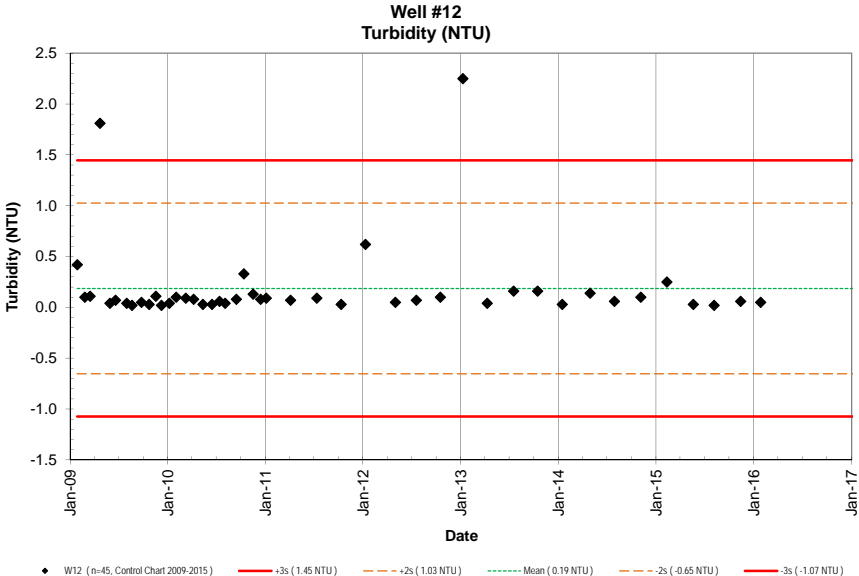


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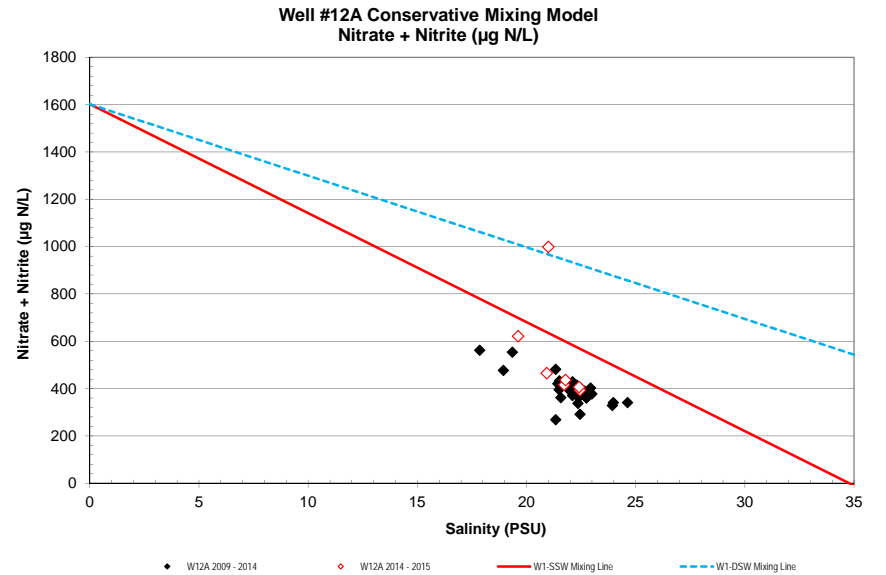
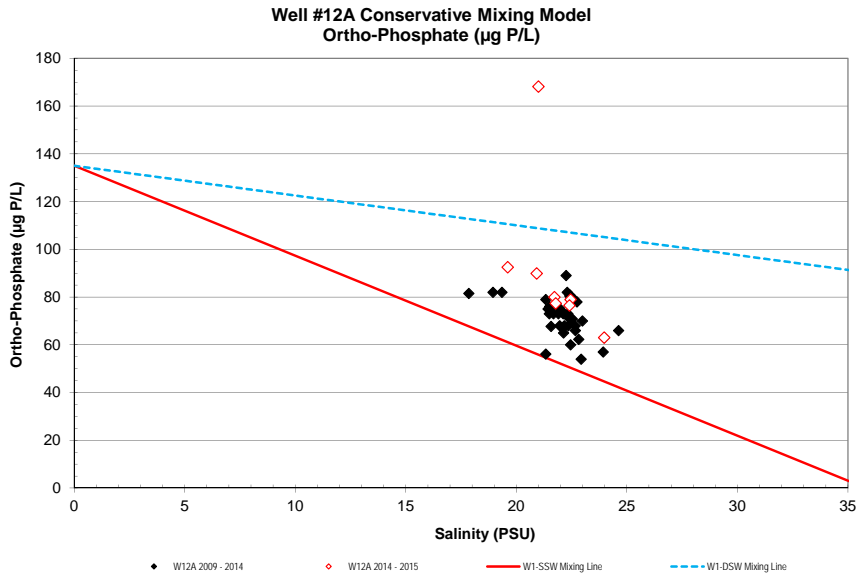
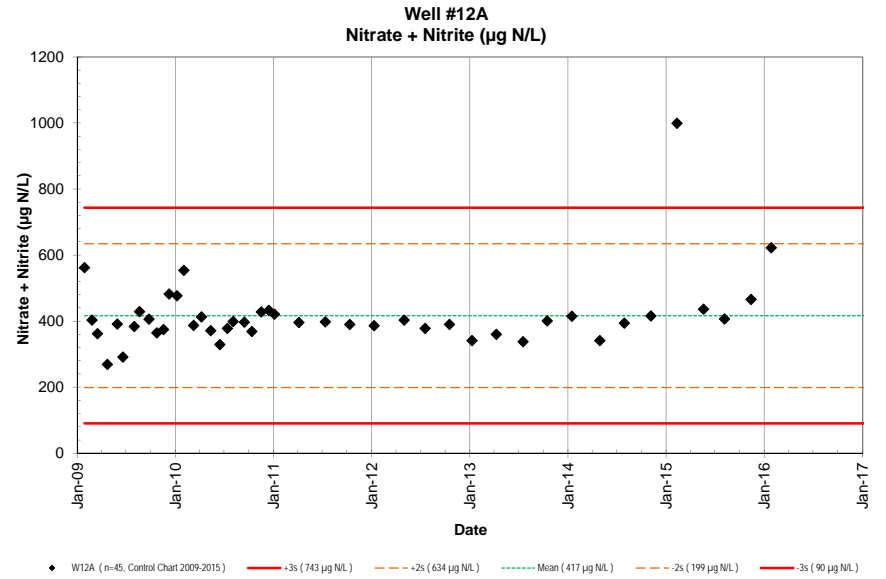
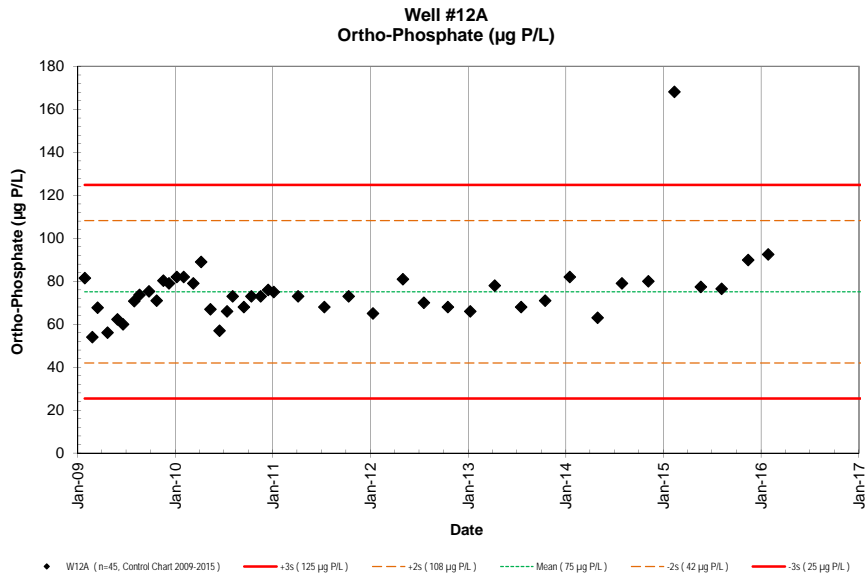
Well 12A Data Table

1/27/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Enter.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml					
W12A	-12.192	01/27/09	1004	-5.36	0.09	Ebb	2.63	82	40.1	562	0.20	2.8	504	14155						23.6	7.94	17.85	3.72	0.16
W12A	-12.192	02/24/09	1421	-5.34	0.24	Flood	1.74	54	28.8	403	0.15	2.1	423	11884						22.8	7.75	22.93	2.30	0.18
W12A	-12.192	03/16/09	1425	-5.56	0.06	Flood	2.19	68	25.8	362	0.13	1.8	379	10643						24.0	7.68	21.57	2.65	0.11
W12A	-12.192	04/22/09	941	-5.59	0.00	Flood	1.81	56	19.2	269	0.41	5.7	280	7867						25.7	7.74	21.33	2.62	0.72
W12A	-12.192	05/29/09	1308	-5.43	0.12	Low	2.01	62	27.9	391	0.23	3.2	541	15207						21.8	7.35	22.82	2.47	0.10
W12A	-12.192	06/19/09	1327	-4.89	0.70	High	1.94	60	20.8	292	0.37	5.2	239	6710						21.8	7.91	22.45	2.46	0.04
W12A	-12.192	07/31/09	1341	-4.92	0.64	High	2.29	71	27.4	384	0.48	6.7	315	8861						22.0	7.82	22.53	2.51	0.02
W12A	-12.192	08/20/09	1425	-4.93	0.61	Flood	2.38	74	30.6	429	0.77	10.8	491	13781						21.9	7.87	22.10	2.41	0.03
W12A	-12.192	09/24/09	1353	-5.30	0.30	Ebb	2.43	75	29.0	406	0.61	8.5	233	6539						22.0	7.95	21.95	2.64	0.02
W12A	-12.192	10/23/09	1531	-5.49	0.15	Low	2.29	71	26.0	365	0.60	8.4	200	5631						21.9	7.83	22.40	2.64	0.05
W12A	-12.192	11/17/09	1507	-5.47	0.21	Flood	2.59	80	26.7	375	0.89	12.5	436	12253						22.1	7.83	22.42	2.60	0.02
W12A	-12.192	12/08/09	1208	-5.23	0.37	Ebb	2.55	79	34.4	482	0.96	13.4	479	13439						22.3	7.80	21.33	2.80	0.02
W12A	-12.192	01/06/10	1130	-5.25	0.21	Ebb	2.65	82	34.1	477	0.93	13.0	473	13280						22.5	7.88	18.94	3.55	0.12
W12A	-12.192	02/01/10	1116	-5.34	0.00	Ebb	2.65	82	39.6	554	0.57	8.0	445	12500						22.5	7.92	19.35	3.49	0.08
W12A	-12.192	03/09/10	1044	-5.51	0.15	Flood	2.55	79	27.6	387	0.86	12.0	443	12454						21.7	7.83	22.62	2.68	0.03
W12A	-12.192	04/07/10	822	-5.56	0.09	Flood	2.87	89	29.5	413	1.36	19.0	460	12917						21.5	7.78	22.25	2.63	0.11
W12A	-12.192	05/12/10	1023	-5.55	0.06	Flood	2.16	67	26.5	371	2.00	28.0	419	11766						21.7	7.89	22.10	2.67	0.05
W12A	-12.192	06/15/10	1607	-5.25	0.46	Flood	1.84	57	23.5	329	2.14	30.0	421	11819						21.3	7.92	23.93	2.14	0.04
W12A	-12.192	7/13/10	1516	-4.97	0.46	Flood	2.13	66	27.0	378	0.71	10.0	476	13380						21.6	7.86	22.67	2.48	0.11
W12A	-12.192	8/3/10	1632	-5.16	0.30	Ebb	2.36	73	28.5	399	0.62	8.7	487	13669						21.7	7.93	21.90	2.63	0.05
W12A	-12.192	9/14/10	1636	-5.29	0.24	Low	2.20	68	28.3	397	1.17	16.4	495	13916						21.5	7.87	22.17	2.71	0.14
W12A	-12.192	10/12/10	1659	-5.25	0.18	Low	2.36	73	26.3	369	0.46	6.5	501	14063						21.5	7.88	22.33	2.53	0.16
W12A	-12.192	11/16/10	1538	-5.21	0.24	Ebb	2.36	73	30.6	428	0.15	2.1	510	14336						21.6	7.88	21.68	2.64	0.08
W12A	-12.192	12/14/10	1607	-5.38	0.06	Ebb	2.45	76	30.9	433	0.33	4.6	512	14392						21.6	7.86	21.50	2.75	0.08
W12A	-12.192	1/4/11	1547	-5.32	0.21	Flood	2.42	75	30.1	421	0.36	5.0	487	13683						21.6	7.78	21.43	2.71	0.10
W12A	-12.192	4/5/11	1558	-5.05	0.46	Flood	2.36	73	28.3	396	0.15	2.1	454	12756						21.6	7.83	21.49	2.39	0.03
W12A	-12.192	7/12/11	1548	-4.92	0.73	Ebb	2.20	68	28.4	398	0.16	2.3	470	13193						21.8	7.86	21.96	2.39	0.02
W12A	-12.192	10/11/11	1533	-5.11	0.43	High	2.36	73	27.8	390	0.34	4.7	480	13491						21.8	7.85	22.12	2.67	0.05
W12A	-12.192	1/10/12	1635	-5.32	0.24	Flood	2.10	65	27.6	386	0.16	2.2	458	12869						21.9	7.82	22.13	2.57	0.16
W12A	-12.192	5/1/12	1612	-5.17	0.30	Ebb	2.62	81	28.8	403	0.25	3.5	511	14350						21.7	7.82	22.41	2.50	0.02
W12A	-12.192	7/18/12	1459	-4.92	0.64	Flood	2.26	70	27.0	378	0.57	8.0	462	12977						21.6	7.92	22.99	2.53	0.04
W12A	-12.192	10/16/12	1439	-5.25	0.30	Flood	2.20	68	27.8	390	0.24	3.3	471	13227						21.8	7.85	22.66	2.43	0.19
W12A	-12.192	1/8/13	1545	-5.39	-0.03	Ebb	2.13	66	24.3	341	0.36	5.1	455	12766						21.4	7.79	24.62	1.95	0.36
W12A	-12.192	4/9/13	1534	-5.04	0.55	High	2.52	78	25.7	360	0.24	3.4	467	13125						21.7	7.84	22.74	2.06	0.76
W12A	-12.192	7/17/13	1651	-5.23	0.30	Ebb	2.20	68	24.1	338	0.32	4.5	479	13439						22.3	7.81	22.35	2.58	0.19
W12A	-12.192	10/15/13	1520	-5.06	0.49	Ebb	2.29	71	28.6	401	0.43	6.0	462	12973						21.8	7.81	22.49	2.68	0.02
W12A	-12.192	1/15/14	1521	-5.31	0.15	Flood	2.65	82	29.6	415	0.48	6.7	464	13035						22.1	7.88	22.30	2.87	0.02
W12A	-12.192	4/29/14	1729	-4.98	0.61	High	2.03	63	24.3	341	0.39	5.5	421	11812						21.5	7.80	23.97	2.38	0.02
W12A	-12.192	7/29/14	1605	-5.08	0.46	Flood	2.55	79	28.1	394	0.21	3.0	492	13817						22.2	7.77	22.45	2.74	0.03
W12A	-12.192	11/5/14	1549	-5.03	0.36	Ebb	2.58	80	29.7	416	0.17	2.4	460	12906						22.2	7.86	21.72	2.81	0.05
W12A	-12.192	2/10/15	1542	-5.41	0.24	High	5.43	168	71.3	999	0.59	8.2	898	25230						21.9	7.81	21.00	3.04	0.18
W12A	-12.192	5/20/15	1025	-5.49	0.00	Ebb	2.50	77	31.1	436	0.14	2.0	431	12116						22.1	7.91	21.78	2.68	0.02
W12A	-12.192	8/6/15	1016	-5.26	0.43	Ebb	2.47	77	29.0	407	0.07	1.0	435	12204						23.0	7.75	22.40	2.65	0.02
W12A	-12.192	11/13/15	1352	-5.26	0.4	Flood	2.90	90	33.3	466	0.21	3.0	488	13692						22.3	7.87	20.92	2.78	0.04
W12A	-12.192	1/27/16	1455	-5.46	0.13	Low	2.99	93	44.4	622	0.06	0.9	491	13795						22.1	7.80	19.61	3.28	0.02
W12A	-12.192	4/1/16																						

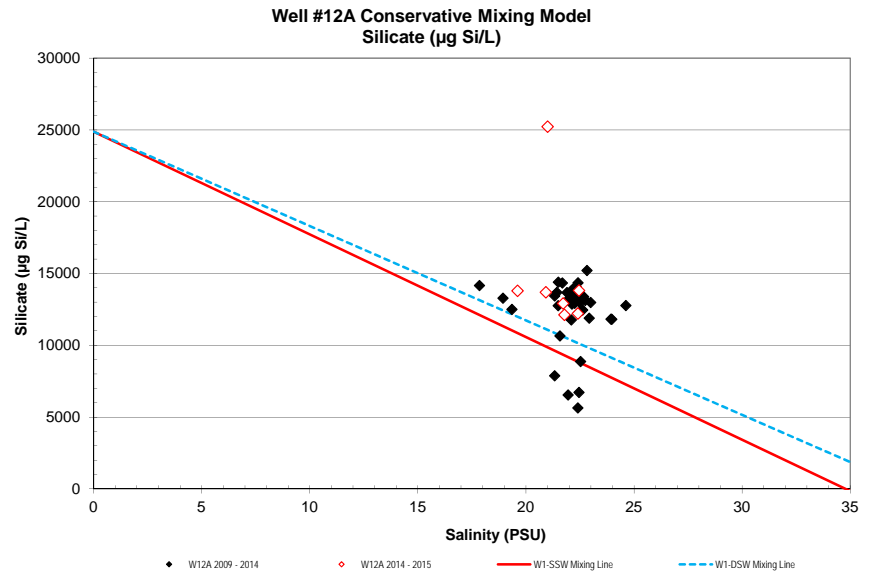
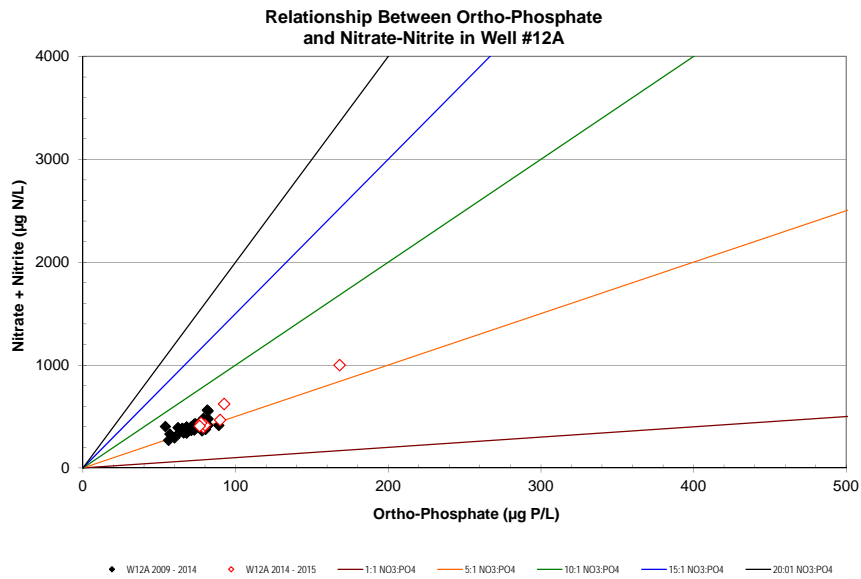
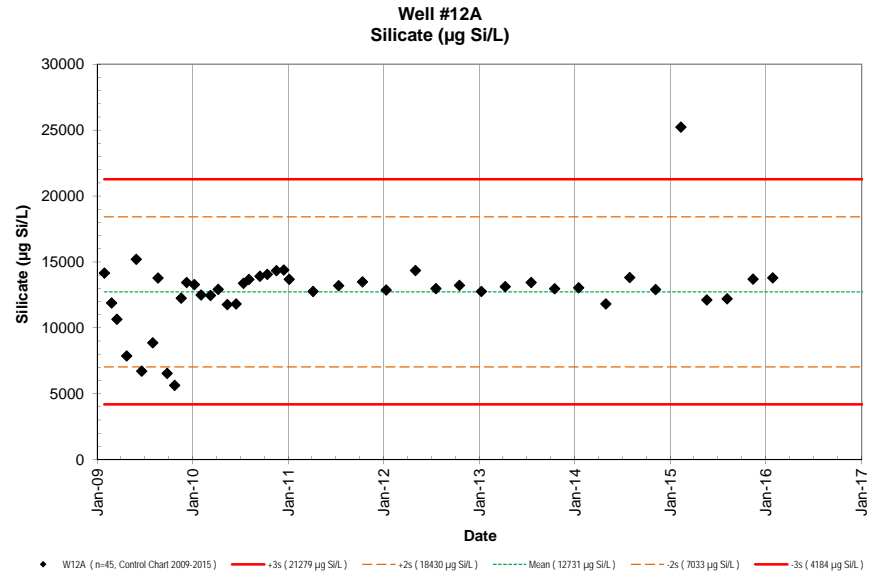
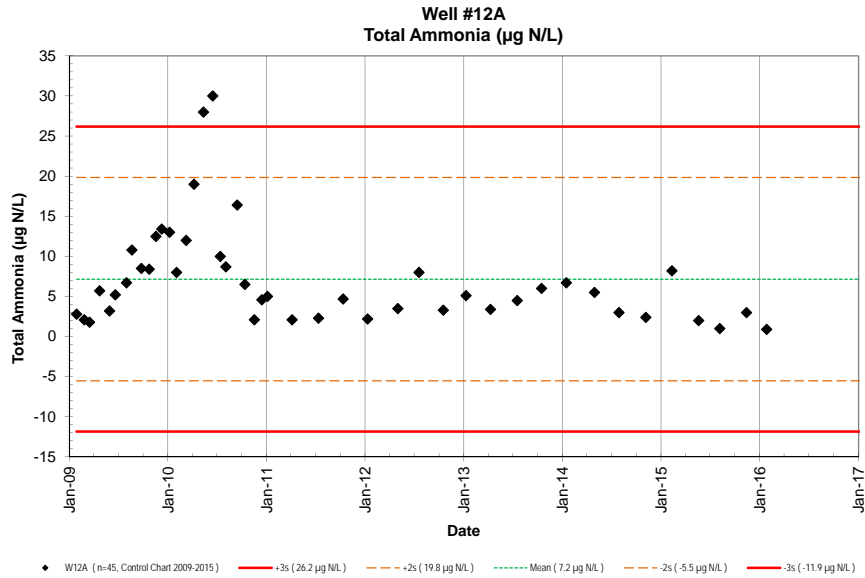
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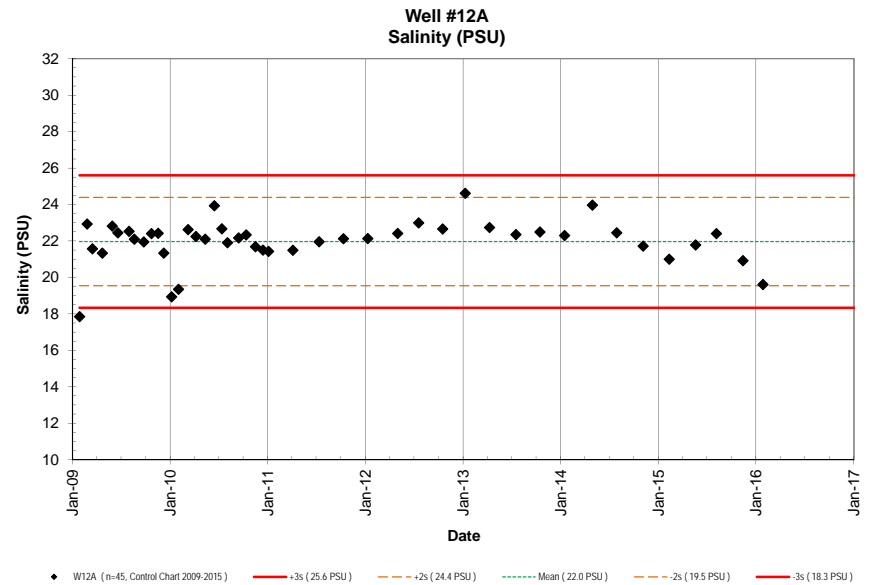
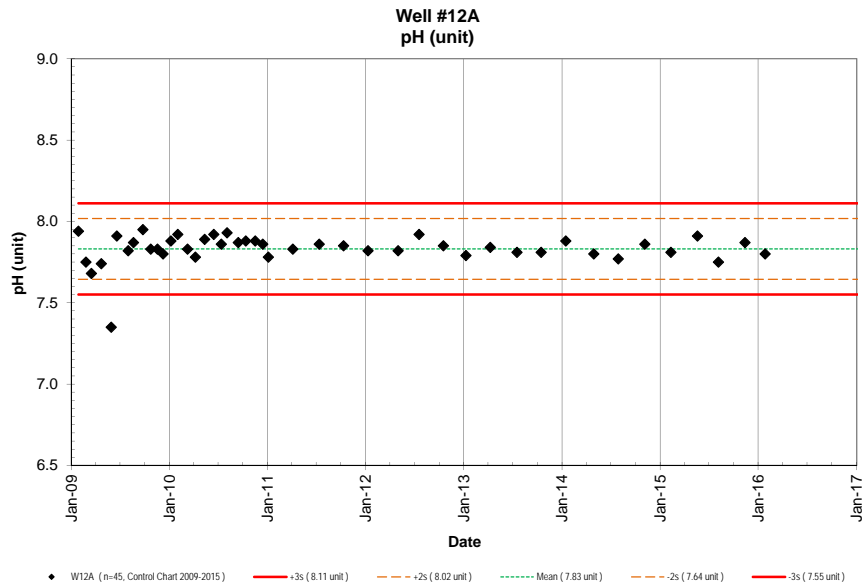
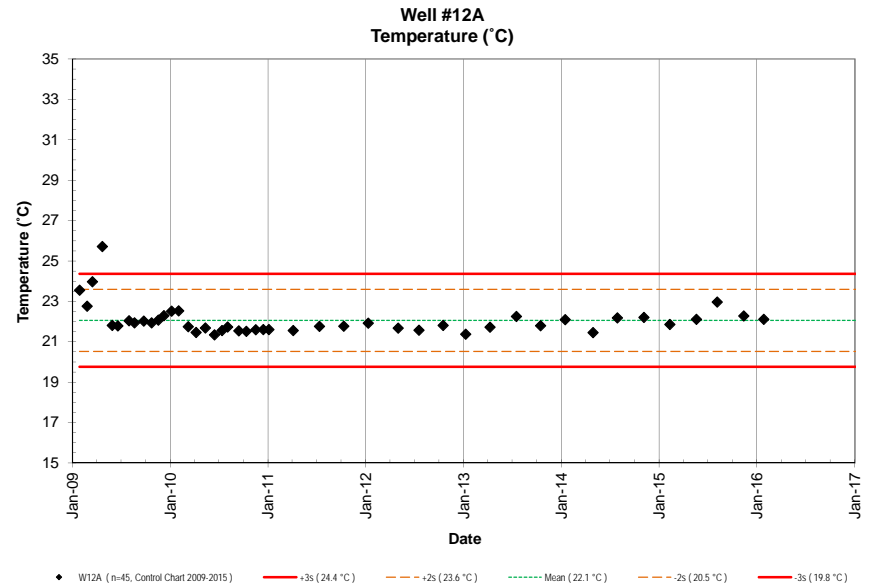
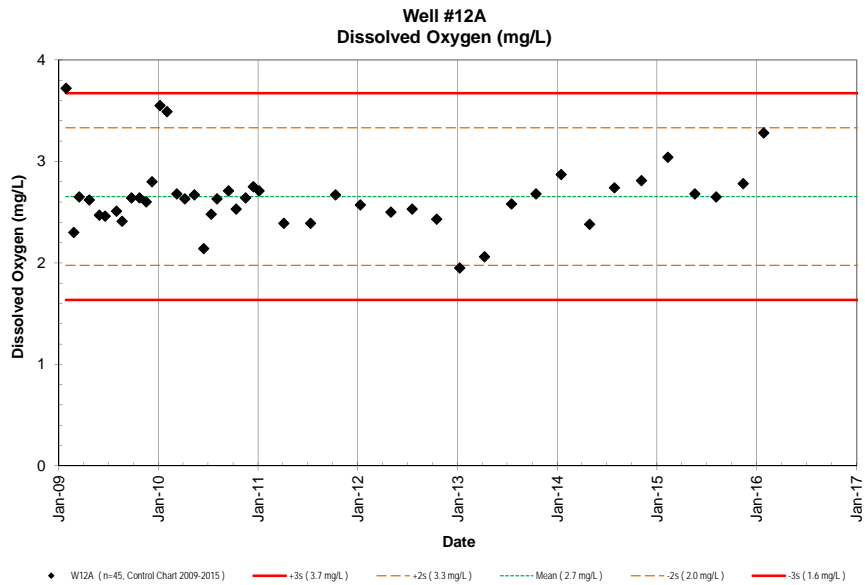
Well 12A
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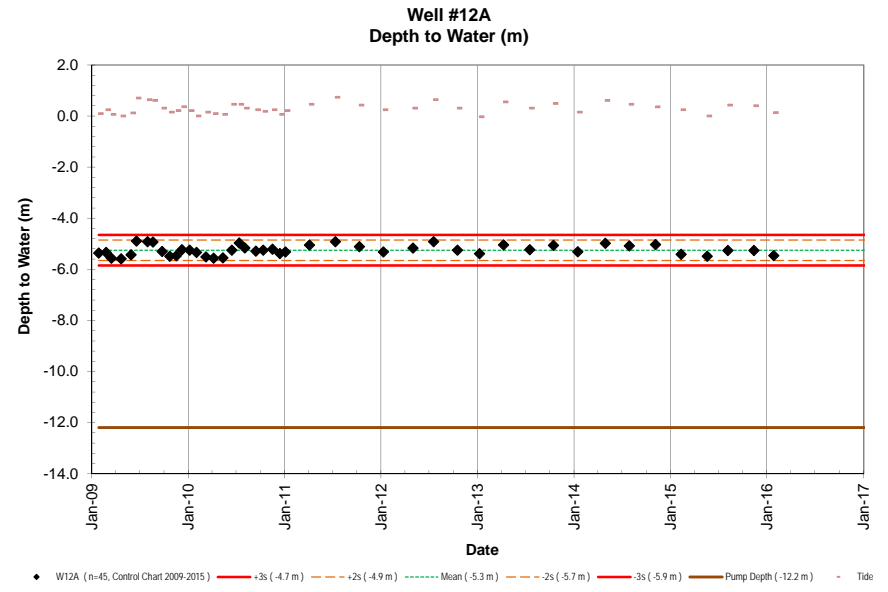
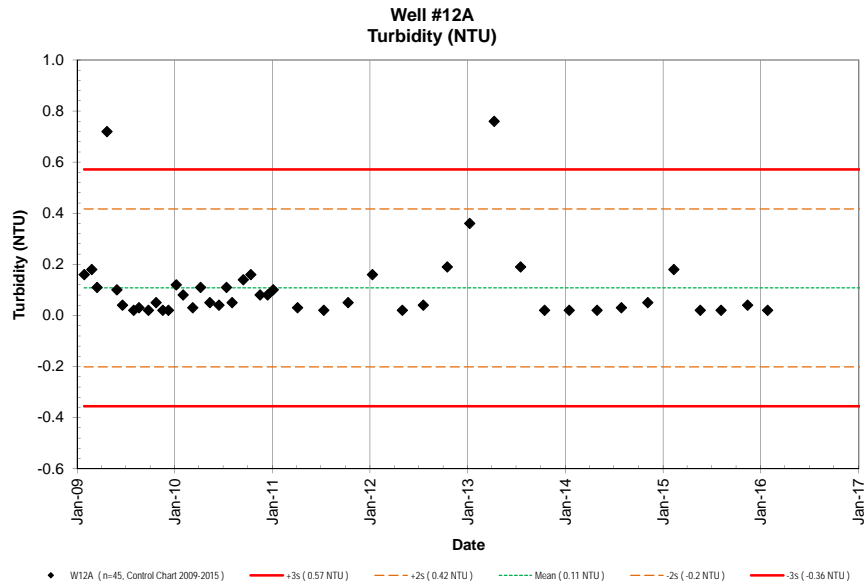
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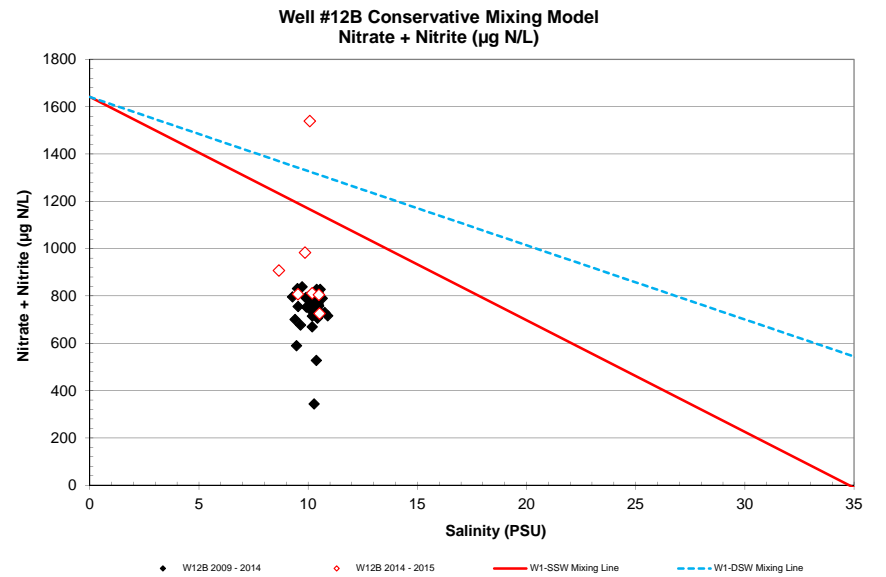
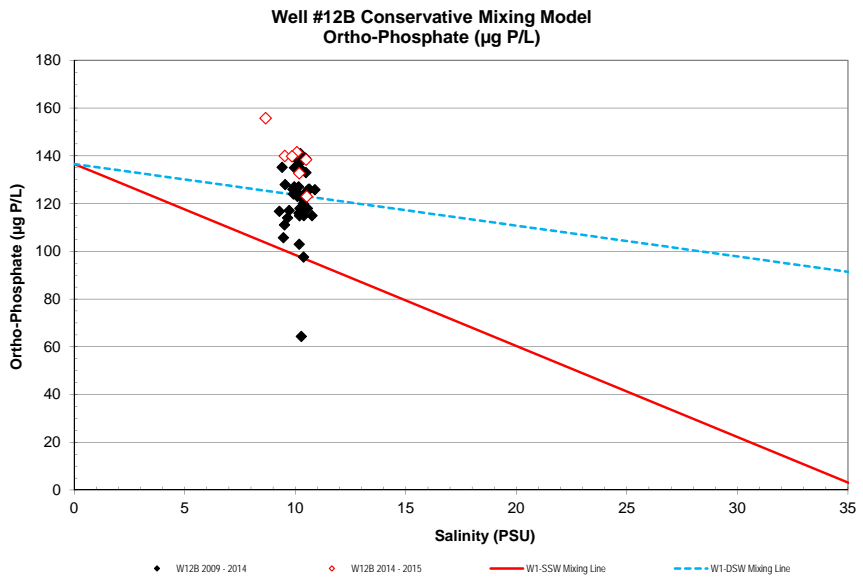
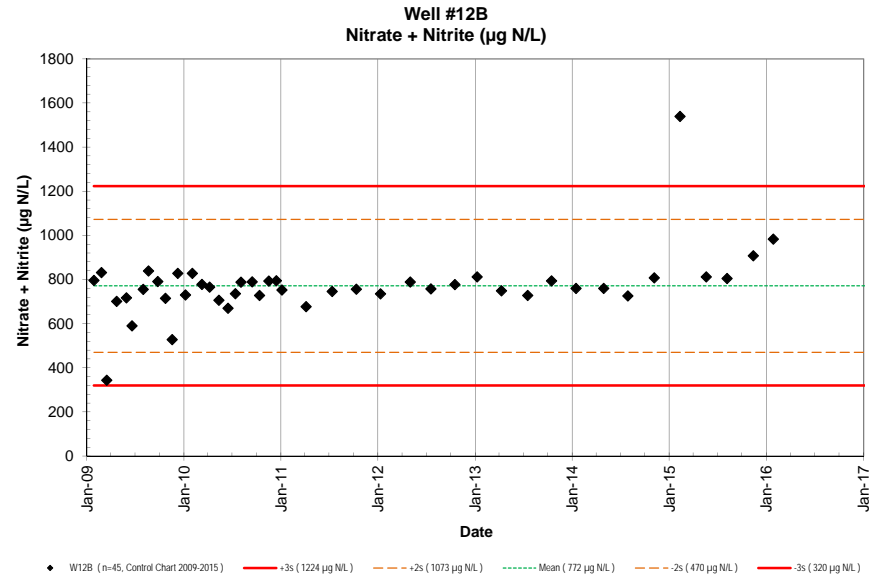
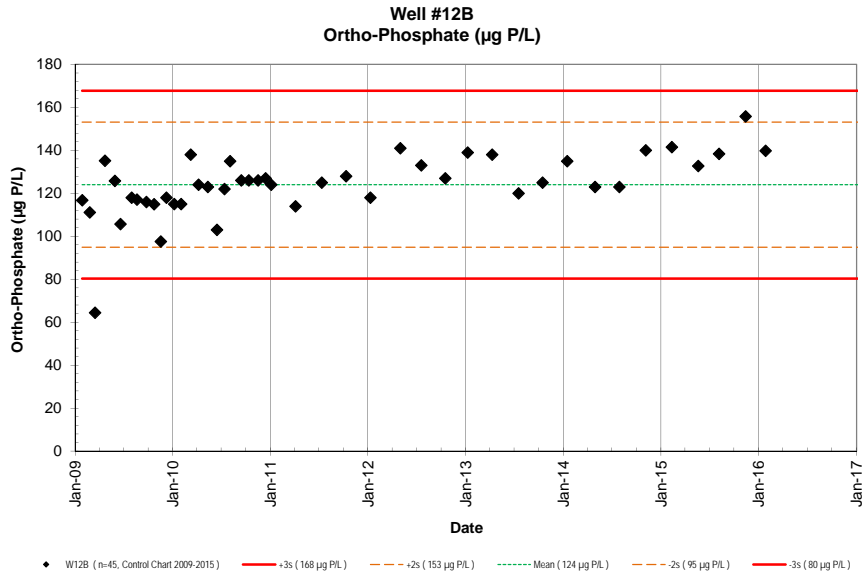
Well 12B Data Table

1/27/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.	
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml	
W12B -6.096		1/27/09	943	-5.42	0.09	Ebb	3.77	117	56.8	796	0.33	4.6	668	18752						
W12B -6.096		2/24/09	1408	-5.38	0.24	Flood	3.59	111	59.4	832	0.15	2.1	727	20425						
W12B -6.096		3/16/09	1410	-5.59	0.06	Flood	2.08	64	24.6	344	0.24	3.3	395	11107						
W12B -6.096		4/22/09	1010	-5.58	0.00	Flood	4.36	135	50.1	701	0.35	4.9	628	17634						
W12B -6.096		5/29/09	1255	-5.52	0.12	Low	4.06	126	51.2	717	0.27	3.8	756	21236						
W12B -6.096		6/19/09	1314	-4.96	0.70	High	3.41	106	42.1	590	0.16	2.2	323	9066						
W12B -6.096		7/31/09	1332	-4.98	0.64	High	3.81	118	53.9	756	0.31	4.3	385	10809						
W12B -6.096		8/20/09	1412	-4.98	0.61	Flood	3.78	117	59.9	839	0.52	7.3	498	13983						
W12B -6.096		9/24/09	1338	-5.34	0.30	Ebb	3.75	116	56.5	791	0.44	6.1	389	10928						
W12B -6.096		10/23/09	1513	-5.48	0.15	Low	3.71	115	51.1	715	0.27	3.8	307	8622						
W12B -6.096		11/17/09	1445	-5.52	0.21	Flood	3.15	98	37.7	528	0.72	10.1	722	20264						
W12B -6.096		12/8/09	1158	-5.27	0.37	Ebb	3.81	118	59.1	828	0.59	8.3	664	18642						
W12B -6.096		1/6/10	1115	-5.32	0.21	Ebb	3.71	115	52.1	730	0.43	6.0	605	17002						
W12B -6.096		2/1/10	1050	-5.41	0.00	Ebb	3.71	115	59.1	828	0.36	5.0	662	18594						
W12B -6.096		3/9/10	1033	-5.65	0.15	Flood	4.46	138	55.5	778	0.14	2.0	660	18535						
W12B -6.096		4/7/10	817	-5.59	0.09	Flood	4.00	124	54.7	766	0.86	12.0	572	16063						
W12B -6.096		5/12/10	1016	-5.60	0.06	Flood	3.97	123	50.4	706	2.21	31.0	730	20506						
W12B -6.096		6/15/10	1558	-5.31	0.46	Flood	3.33	103	47.8	670	0.79	11.0	603	16933						
W12B -6.096		7/13/10	1509	-5.02	0.46	Flood	3.94	122	52.5	736	0.93	13.0	720	20218						
W12B -6.096		8/3/10	1637	-5.23	0.30	Ebb	4.36	135	56.3	788	0.69	9.7	763	21425						
W12B -6.096		9/14/10	1642	-5.32	0.24	Low	4.07	126	56.4	790	0.86	12.0	768	21577						
W12B -6.096		10/12/10	1708	-5.34	0.18	Low	4.07	126	52.0	728	0.49	6.9	804	22592						
W12B -6.096		11/16/10	1547	-5.26	0.24	Ebb	4.07	126	56.6	793	0.25	3.5	795	22328						
W12B -6.096		12/14/10	1614	-5.43	0.06	Ebb	4.10	127	56.8	795	0.38	5.3	801	22486						
W12B -6.096		1/4/11	1554	-5.37	0.21	Flood	4.00	124	53.8	753	0.29	4.0	735	20638						
W12B -6.096		4/5/11	1604	-5.10	0.46	Flood	3.68	114	48.3	677	0.29	4.0	633	17766						
W12B -6.096		7/12/11	1540	-4.98	0.73	Ebb	4.04	125	53.3	746	0.29	4.0	718	20155						
W12B -6.096		10/11/11	1542	-5.16	0.43	High	4.13	128	54.0	756	0.23	3.2	733	20595						
W12B -6.096		1/10/12	1628	-5.37	0.24	Flood	3.81	118	52.5	735	0.39	5.4	687	19286						
W12B -6.096		5/1/12	1620	-5.22	0.30	Ebb	4.55	141	56.3	789	0.39	5.4	794	22296						
W12B -6.096		7/18/12	1504	-4.94	0.64	Flood	4.29	133	54.1	758	1.14	16.0	725	20374						
W12B -6.096		10/16/12	1431	-5.32	0.30	Flood	4.10	127	55.5	777	0.42	5.9	703	19738						
W12B -6.096		1/8/13	1552	-5.42	-0.03	Ebb	4.49	139	58.0	812	1.42	19.9	798	22410						
W12B -6.096		4/9/13	1542	-5.09	0.55	High	4.46	138	53.5	749	0.39	5.4	774	21733						
W12B -6.096		7/17/13	1701	-5.30	0.30	Ebb	3.87	120	52.0	728	2.96	41.4	720	20217						
W12B -6.096		10/15/13	1526	-5.14	0.49	Ebb	4.04	125	56.7	794	0.76	10.7	742	20848						
W12B -6.096		1/15/14	1529	-5.38	0.15	Flood	4.36	135	54.3	760	0.59	8.3	697	19569						
W12B -6.096		4/29/14	1720	-5.05	0.61	High	3.97	123	54.3	760	0.75	10.5	714	20055						
W12B -6.096		7/29/14	1614	-5.19	0.46	Flood	3.97	123	51.8	726	0.29	4.0	704	19770						
W12B -6.096		11/5/14	1558	-5.09	0.36	Ebb	4.52	140	57.7	808	0.41	5.8	729	20474						
W12B -6.096		2/10/15	1552	-5.43	0.24	High	4.57	142	109.9	1539	0.94	13.1	799	22441						
W12B -6.096		5/20/15	1015	-5.56	0.00	Ebb	4.28	133	58.0	812	0.19	2.7	667	18720						
W12B -6.096		8/6/15	1007	-5.15	0.43	Ebb	4.47	138	57.5	805	0.07	1.0	675	18948						
W12B -6.096		11/13/15	1400	-5.35	0.30	Flood	5.03	156	64.8	908	0.28	3.9	761	21372						
W12B -6.096		1/27/16	1444	-5.52	0.13	Flood	4.51	140	70.2	983	0.88	12.3	700	19671						
W12B -6.096		4/1/16																		

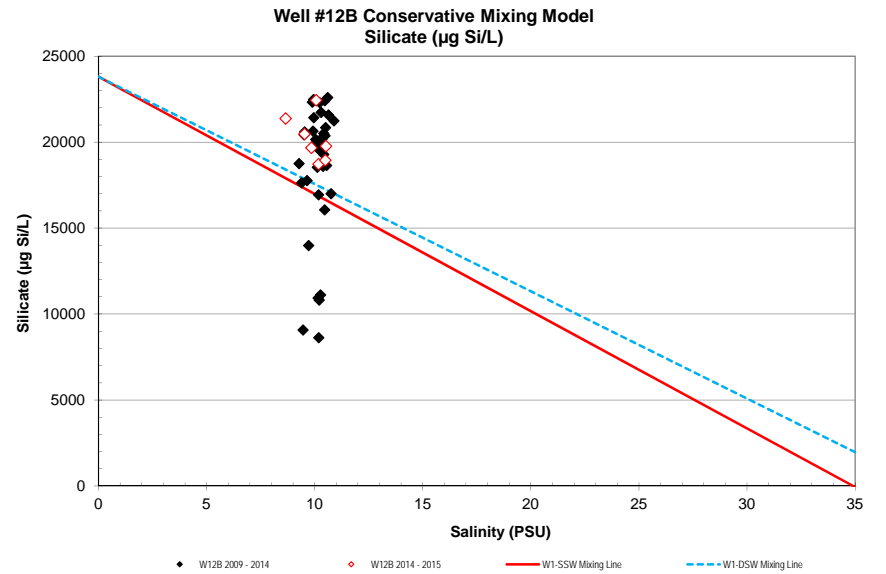
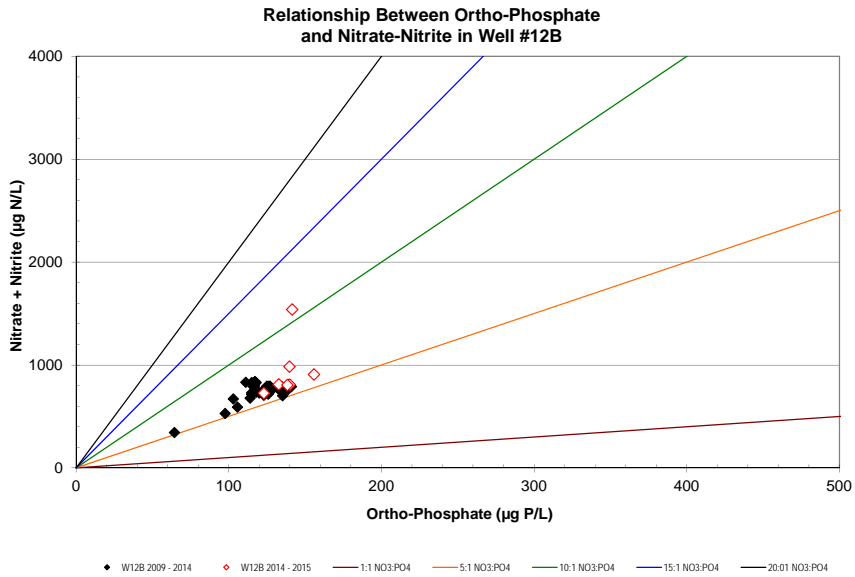
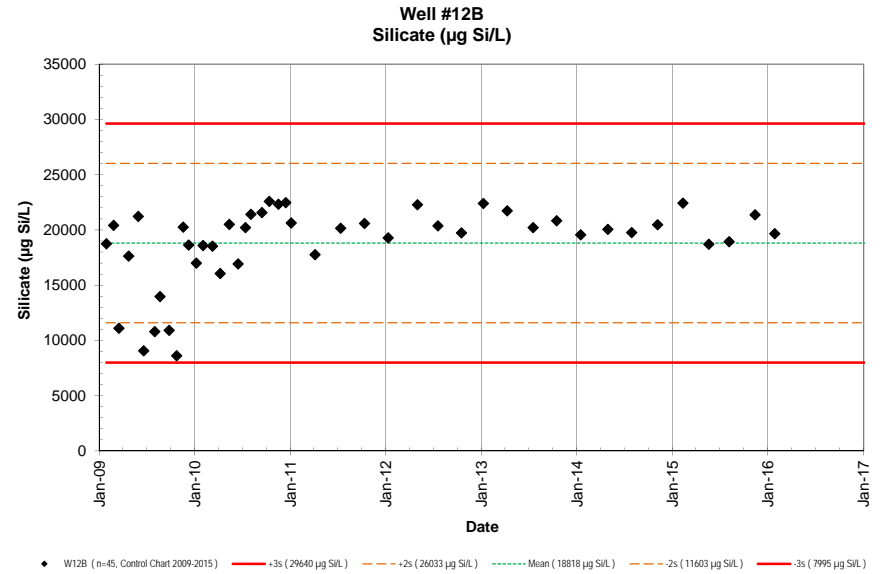
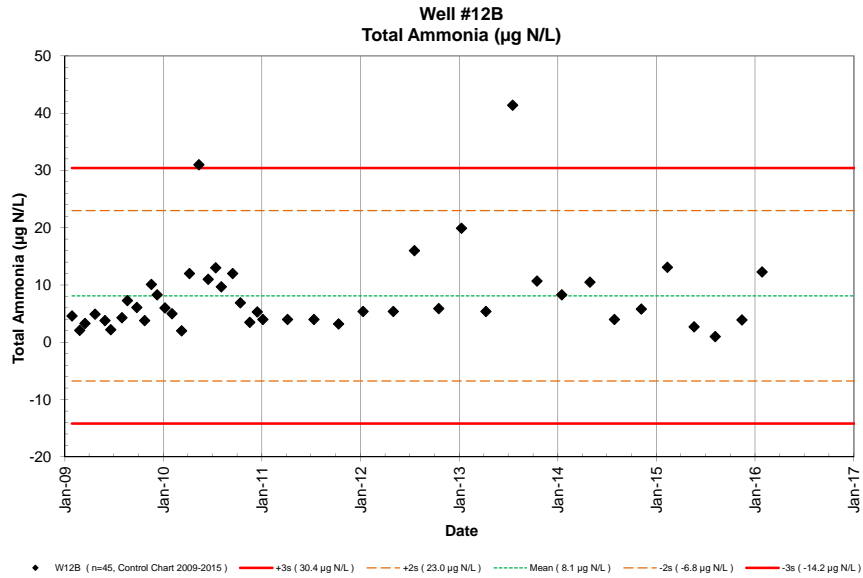
NELHA Water Quality Laboratory

Well 12B
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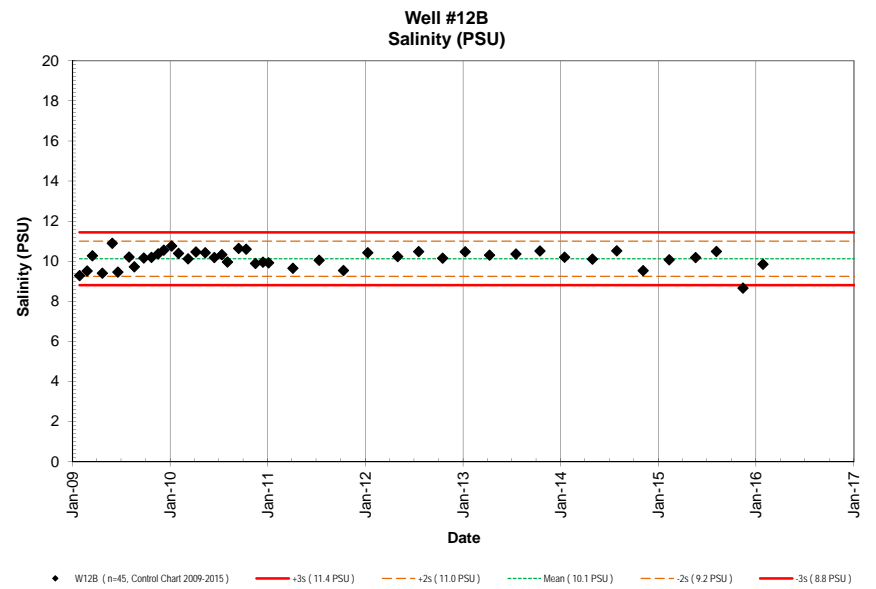
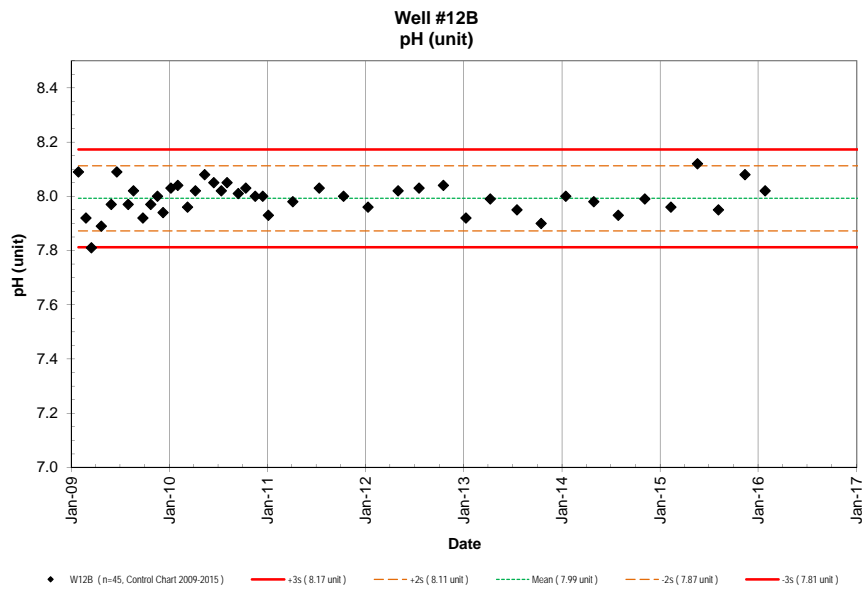
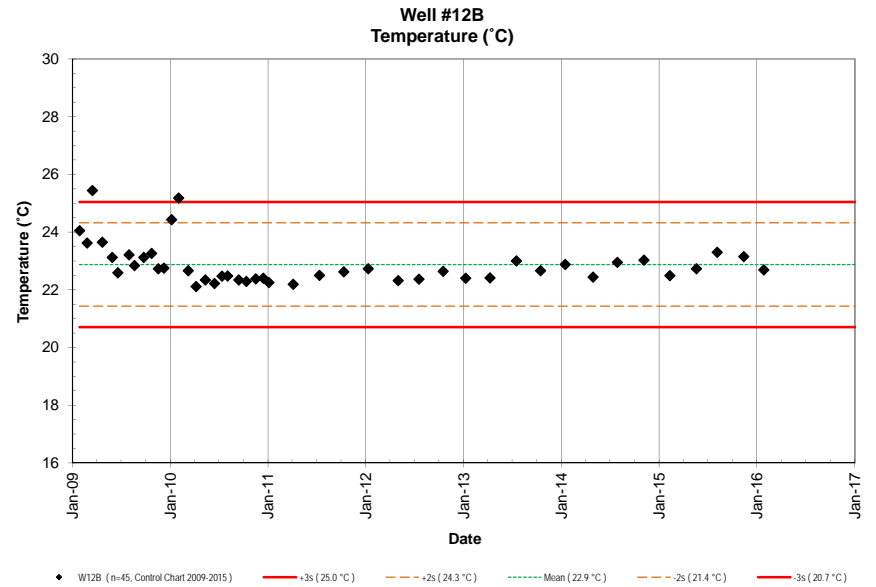
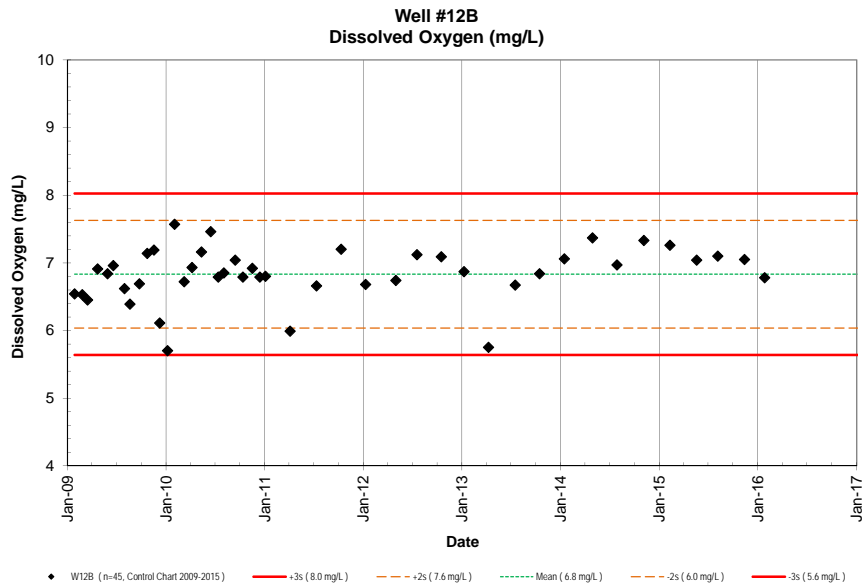
Well 12B
1/27/2009 - 4/4/2016



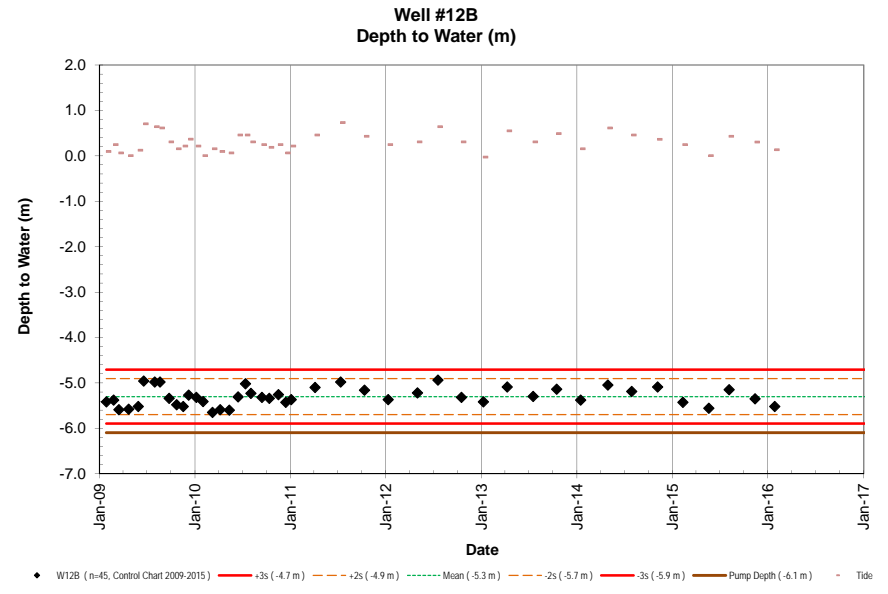
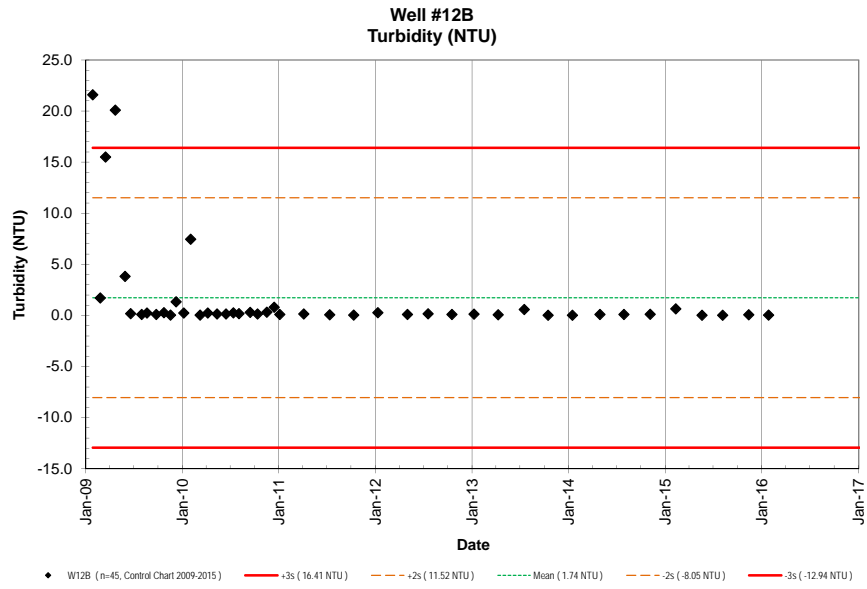
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Well 12B

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NELHA Water Quality Laboratory
 Well 12B
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NELHA Water Quality Laboratory

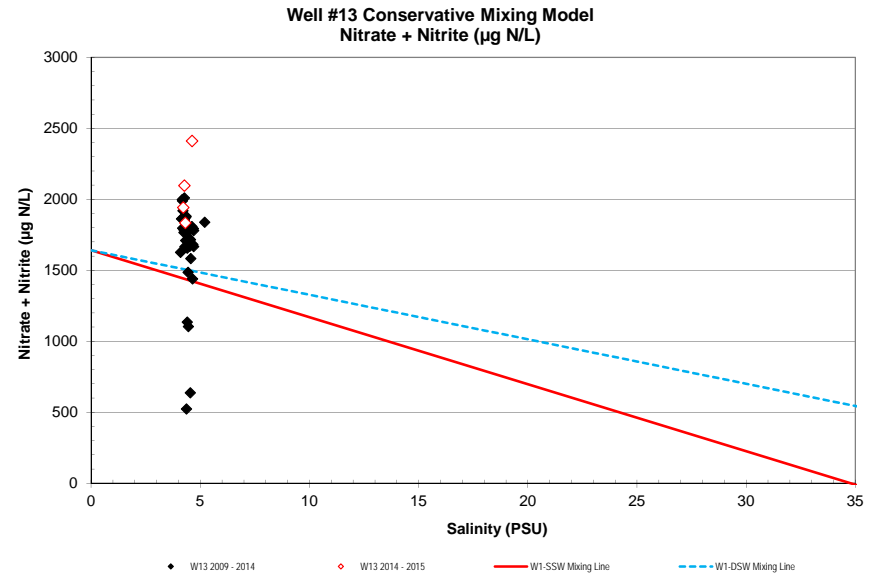
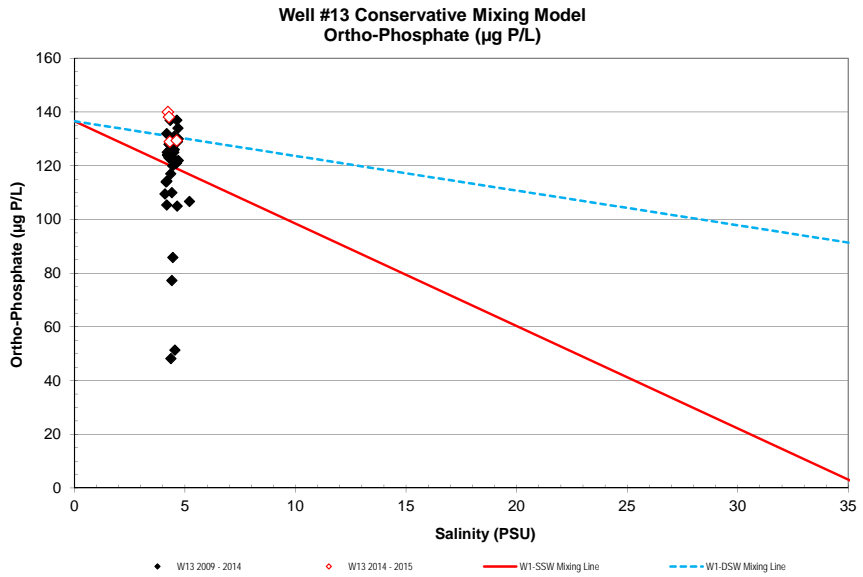
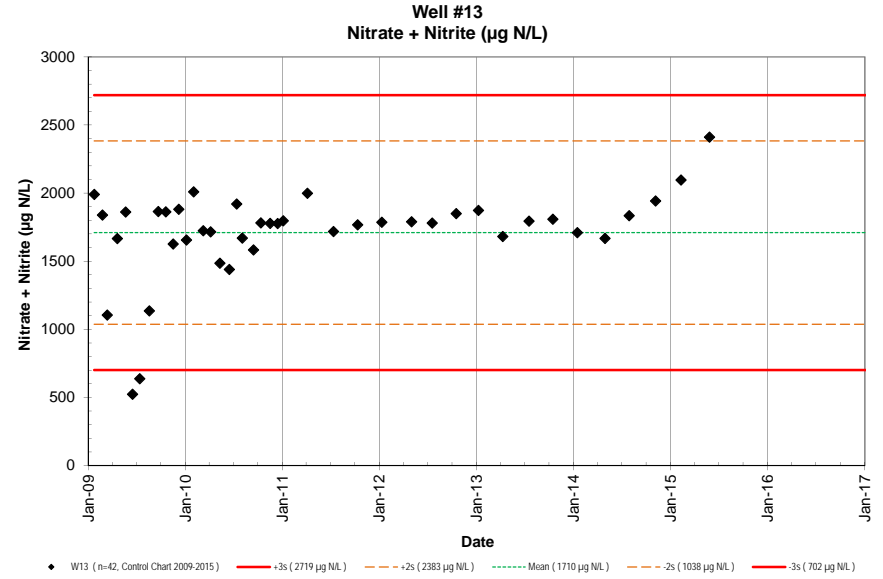
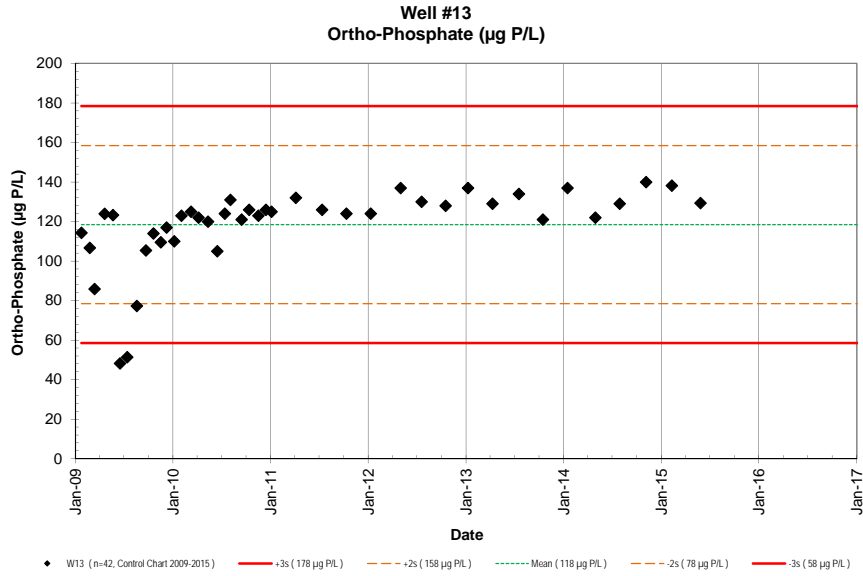
Well 13 Data Table

1/23/2009 - 4/4/2016

Site	Pump	Date	Time	Depth to	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	TOC	Temp.	pH	Salinity	DO	Turbidity	Fecal Col.	Entero.					
	Depth (m)	M/D/Y	(2400)	H ₂ O (m)	(m) (cycle)	(µM) (µg P/L)	(µM) (µg N/L)	(µM) (µg N/L)	(µM) (µg Si/L)	(µM) (µg P/L)	(µM) (µg N/L)	(mgC/L)	(°C)	(unit)	(PSU)	(mg/L)	NTU	CFU/100ml	CFU/100ml					
W13	-45.72	01/23/09	945	-39.2	0.12	Ebb	3.69	114	142.1	1990	0.61	8.5	651	18279										
W13	-45.72	02/23/09	1110	-39.2	0.06	Low	3.44	107	131.3	1839	0.15	2.1	718	20169										
W13	-45.72	03/13/09	1052	-39.3	-0.03	Ebb	2.77	86	78.9	1105	0.18	2.5	609	17106										
W13	-45.72	04/20/09	942	-39.2	0.06	Flood	4.00	124	119.0	1666	0.19	2.6	570	16007										
W13	-45.72	05/21/09	914	-39.3	0.00	Flood	3.98	123	132.9	1861	0.23	3.2	871	24466										
W13	-45.72	06/16/09	847	-39.2	0.21	Flood	1.56	48	37.4	524	0.16	2.3	426	11973										
W13	-45.72	07/13/09	1033	-39.0	0.37	Ebb	1.66	51	45.5	637	0.41	5.8	223	6252										
W13	-45.72	08/18/09	829	-39.2	0.00	Low	2.50	77	81.1	1136	0.30	4.2	518	14537										
W13	-45.72	09/21/09	938	-39.0	0.37	Ebb	3.40	105	133.1	1865	0.23	3.2	294	8256										
W13	-45.72	10/19/09	931	-39.1	0.34	Ebb	3.68	114	133.0	1863	2.33	32.7	341	9568										
W13	-45.72	11/16/09	907	-39.1	0.21	Ebb	3.54	110	116.2	1627	0.74	10.4	565	15882										
W13	-45.72	12/07/09	1013	-39.0	0.52	Ebb	3.78	117	134.3	1881	0.36	5.1	683	19180										
W13	-45.72	01/05/10	956	-39.0	0.40	Ebb	3.55	110	118.2	1656	0.36	5.0	615	17286										
W13	-45.72	02/01/10	950	-38.9	0.15	Ebb	3.97	123	143.5	2010	0.36	5.0	646	18148										
W13	-45.72	03/09/10	901	-39.2	0.09	Low	4.04	125	123.1	1724	0.14	2.0	642	18041										
W13	-45.72	04/06/10	839	-39.2	0.24	Low	3.94	122	122.5	1716	0.50	7.0	635	17837										
W13	-45.72	05/11/10	856	-39.3	-0.03	Low	3.87	120	106.1	1486	2.28	32.0	586	16471										
W13	-45.72	06/15/10	940	-39.2	0.12	Ebb	3.39	105	102.8	1440	0.79	11.0	676	18994										
W13	-45.72	7/13/10	910	-39.1	0.06	Ebb	4.00	124	137.1	1920	1.29	18.0	794	22312										
W13	-45.72	8/3/10	907	-39.0	0.40	Flood	4.23	131	119.2	1670	0.40	5.6	806	22636										
W13	-45.72	9/14/10	901	-39.0	0.55	Flood	3.91	121	113.0	1583	1.41	19.8	801	22503										
W13	-45.72	10/12/10	908	-38.9	0.64	Ebb	4.07	126	127.2	1781	0.34	4.7	837	23508										
W13	-45.72	11/16/10	841	-39.0	0.24	Flood	3.97	123	126.9	1778	0.33	4.6	816	22912										
W13	-45.72	12/14/10	903	-39.0	0.34	Flood	4.07	126	126.9	1777	0.44	6.2	837	23495										
W13	-45.72	1/4/11	905	-39.0	0.24	Ebb	4.04	125	128.3	1797	0.38	5.3	770	21635										
W13	-45.72	4/5/11	945	-39.2	-0.03	Ebb	4.26	132	142.7	1999	0.48	6.7	719	20182										
W13	-45.72	7/12/11	855	-39.4	0.00	Flood	4.07	126	122.7	1718	0.28	3.9	741	20821										
W13	-45.72	10/11/11	917	-39.0	0.12	Low	4.00	124	126.2	1767	0.40	5.6	736	20674										
W13	-45.72	1/10/12	916	-39.0	0.30	Ebb	4.00	124	127.5	1786	0.54	7.6	717	20126										
W13	-45.72	5/1/12	926	-39.2	0.09	Flood	4.42	137	127.8	1790	0.56	7.9	810	22753										
W13	-45.72	7/18/12	852	-39.3	0.00	Ebb	4.20	130	127.1	1780	0.83	11.6	698	19594										
W13	-45.72	10/16/12	922	-39.0	0.24	Ebb	4.13	128	132.1	1850	0.77	10.8	730	20500										
W13	-45.72	1/8/13	951	-38.9	0.09	Low	4.42	137	133.7	1873	1.89	26.5	801	22493										
W13	-45.72	4/9/13	922	-39.2	-0.09	Low	4.16	129	120.1	1682	0.51	7.2	759	21327										
W13	-45.72	7/17/13	943	-39.2	0.37	Flood	4.33	134	128.1	1794	0.50	7.0	732	20569										
W13	-45.72	10/15/13	920	-38.9	0.21	Flood	3.91	121	129.1	1808	0.71	9.9	748	21010										
W13	-45.72	1/15/14	854	-39.0	0.18	Ebb	4.42	137	122.1	1710	1.11	15.5	685	19225										
W13	-45.72	4/29/14	1007	-39.3	-0.06	Low	3.94	122	119.1	1668	0.93	13.0	727	20407										
W13	-45.72	7/29/14	946	-39.1	0.15	Ebb	4.16	129	130.9	1834	0.36	5.0	737	20690										
W13	-45.72	11/5/14	939	-39.0	0.13	Low	4.52	140	138.7	1943	0.49	6.9	742	20828										
W13	-45.72	2/9/15	1407	-39.1	0.03	Low	4.46	138	149.7	2097	0.37	5.2	553	15542										
W13	-45.72	5/27/15	1119	-38.5	0.37	Flood	4.18	129	172.1	2411	2.11	29.6	693	19473										
W13	-45.72	9/15/15				No Sample, equipment malfunction and construction on highway started																		
W13	-45.72	10/1/15				No Sample, highway construction																		
W13	-45.72	1/26/16				No Sample, highway construction																		
W13	-45.72	4/1/16																						

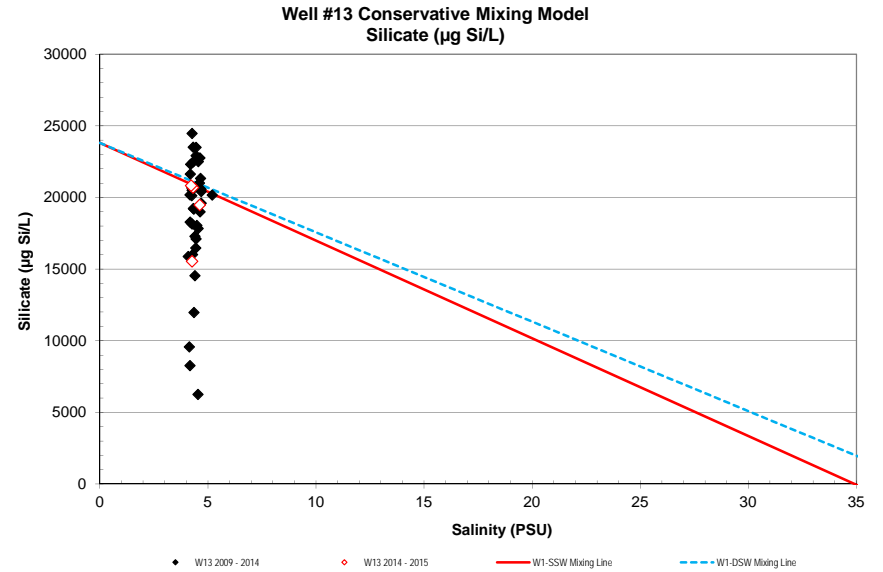
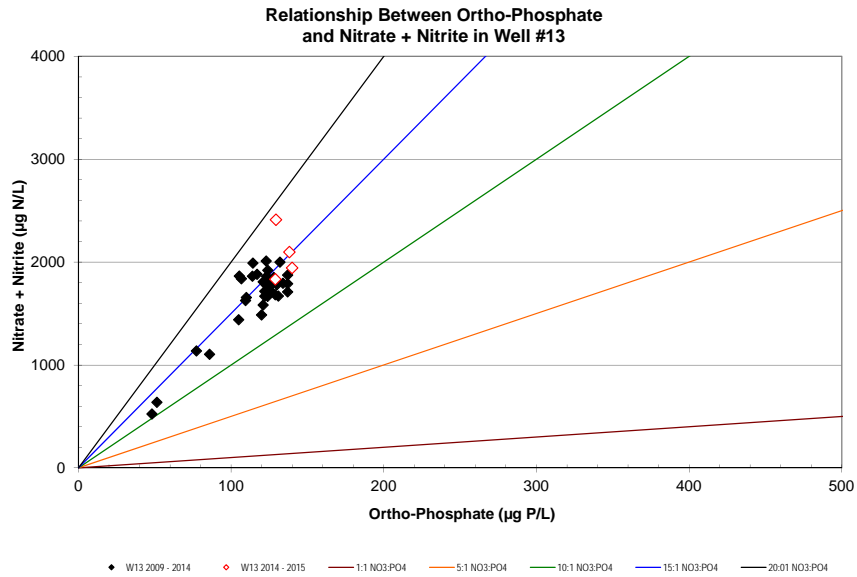
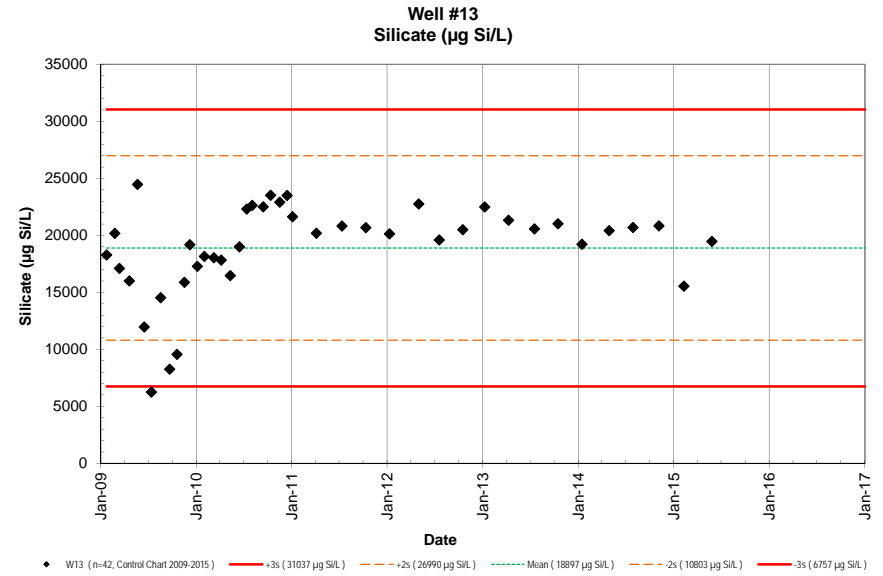
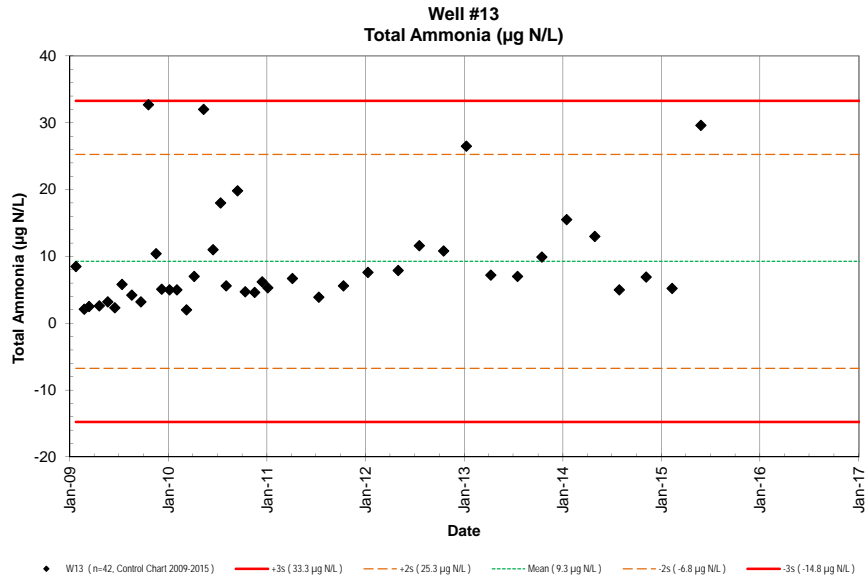
NELHA Water Quality Laboratory

Well 13
1/23/2009 - 4/4/2016



NELHA Water Quality Laboratory

Well 13
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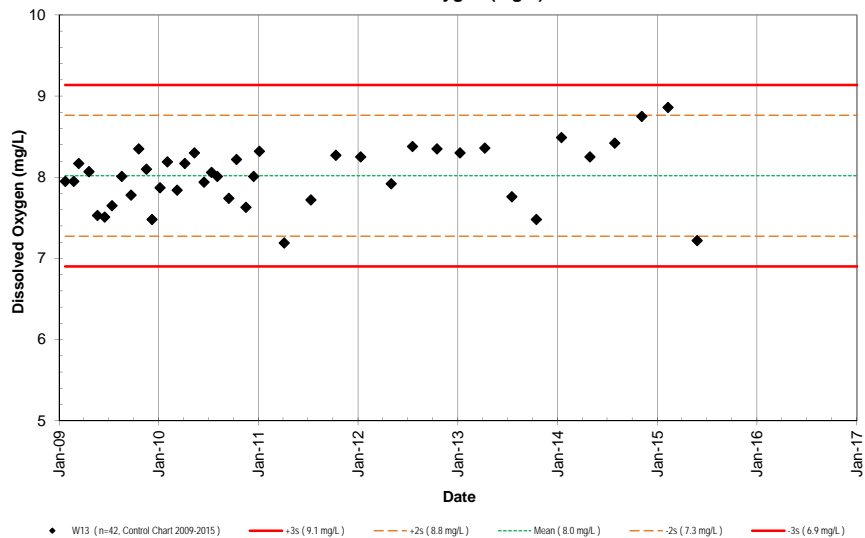


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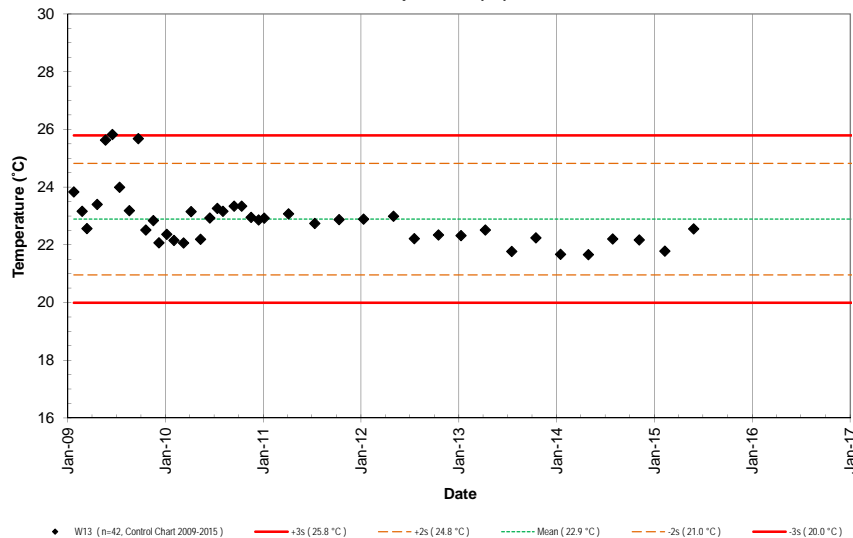
Well 13

1/23/2009 - 4/4/2016

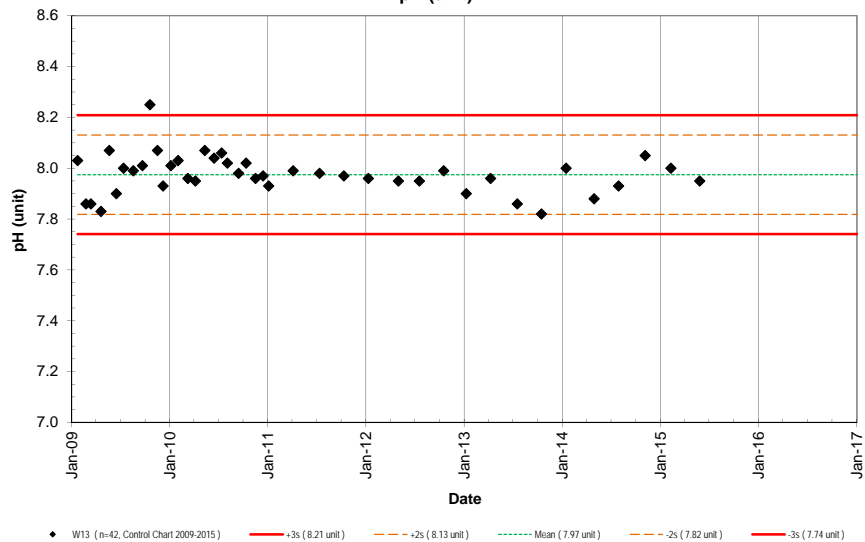
Well #13
Dissolved Oxygen (mg/L)



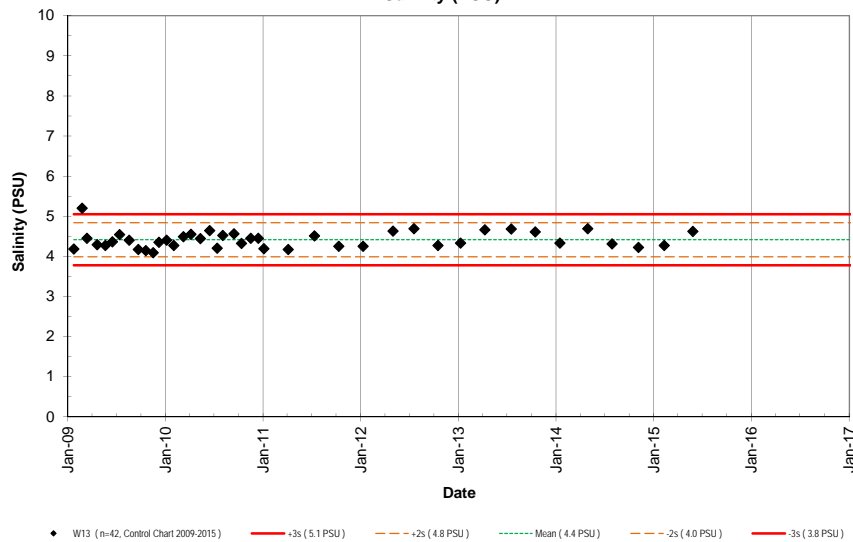
Well #13
Temperature (°C)



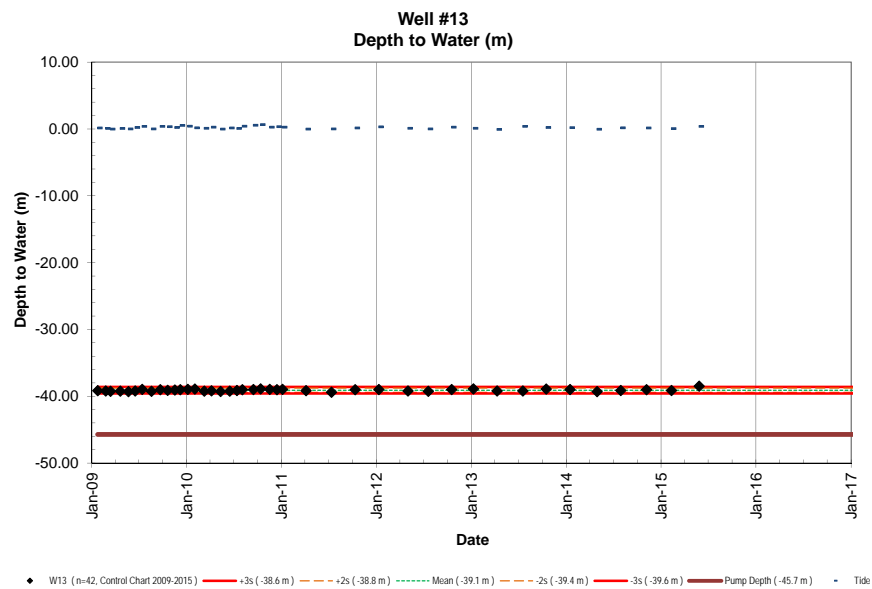
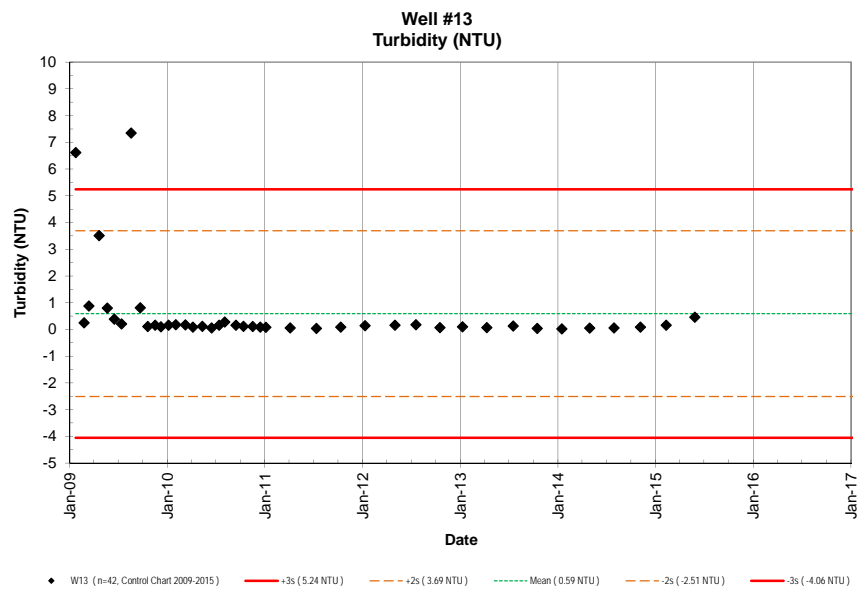
Well #13 Historical Data
pH (unit)



Well #13
Salinity (PSU)



NELHA Water Quality Laboratory
 Well 13
 1/23/2009 - 4/4/2016



NELHA Water Quality Laboratory

Anchialine Pond A1

8/31/1993 - 4/4/2016

SITE ID	DATE M/D/Y	TIME (2400)	TIDE (ft) 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)	TDP (µM) (µg P/L)	TP (µM) (µg N/L)	TDN (µM) (µg N/L)	TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	TEMP (°C)	pH	DO (ppm)	Chl a (µg/L)	Fecal Col. CFU/100ml	Enteroc. CFU/100ml
A1	8/2/05	1029	0.7 Flood	4.7 144	1.7 24	69.1 968	430 12071	5.6 174	5.8 180	88 1238	4.66	1.27	10.86	23.9	8.60	3.86	4.39	6	54
A1	8/8/05	854												23.5				3	53
A1	11/1/05	817	0.8 Ebb	6.8 209	56.2 787	4.7 65	538 15116	7.2 222	7.3 227	67 944	1.49	0.34	12.72	22.9	7.87	3.17	0.93	76	350
A1	1/30/06	832	1.0 Ebb	4.5 139	64.5 903	1.0 14	479 13453	4.7 145	4.7 147	72 1014	1.13	0.37	15.82	22.2	7.84	4.65	0.08	27	256
A1	5/25/06	1107	0.5 Flood	4.3 134	70.3 985	3.6 51	591 16599	4.6 143	4.7 146	68 949	0.81	1.09	11.84	22.5	7.70	3.97	1.51	4	3
A1	7/27/06	949	0.3 Ebb	4.1 126	36.8 515	3.3 46	567 15924	4.4 136	4.4 136	41 572	1.32	0.38	13.39	23.0	7.82	5.58	0.42	21	19
A1	10/31/06	1015	1.7 Flood	6.5 201	97.3 1363	0.5 8	531 14913	6.8 209	7.0 218	103 1445	0.94	0.25	11.86	23.2	7.86	3.59	0.30	3	15
A1	1/17/07	957	0.2 Low	5.2 162	81.3 1139	4.5 64	515 14464	5.6 173	5.6 173	84 1170	1.45	0.41	13.84	21.8	7.74	4.12	0.57	13	69
A1	6/26/07	1004	0.8 Flood	4.1 126	78.2 1096	1.1 15	364 10236	4.9 152		86 1210		0.20	12.46	23.1	7.62	7.81	0.15	2	21
A1	9/24/07	1403	2.0 Flood	4.2 131	84.8 1188	1.5 21	657 18466	4.1 127		90 1261		0.11	16.27	24.6	8.25	6.91	0.15		
A1	12/11/07	1038	0.8 Ebb	39.2 1215	611.4 8563	73.9 1035	361 10151	42.1 1305		942 13199		2.27	8.57	22.8	9.25	2.46	7.56		
A1	1/29/08	1049	0.6 Ebb	6.4 197	48.2 676	3.0 42	329 9246	7.3 227		63 889		n/a	11.52	20.4	8.01	8.30	3.26		
A1	2/28/08	1005	0.4 Ebb	3.1 98	42.5 596	3.0 42	298 8377	4.9 152		80 1120		3.81	11.31	21.6	8.08	4.76	4.69		
A1	2/28/08	2312	1.6 High	5.7 177	102.5 1436	1.4 20	559 15711	5.2 161		104 1451		0.31	10.83	21.7	7.97	4.21	0.85		
A1	4/2/08	1010	0.2 Flood	4.3 133	58.0 812	2.3 32	577 16201	2.6 80		125 1752		0.98	11.93	22.0	6.75	3.91	1.61		
A1	4/16/08	1340	1.3 Flood	4.1 127	73.8 1033	0.2 3	565 15867	3.5 110		80 1118		0.33	12.95	22.5	7.75	5.86	1.97		
A1	5/23/08	1012	No Water																
A1	6/12/08	1009	0.9 Flood	2.8 87	83.4 1168	0.7 10	762 21400	2.8 86		87 1224			11.07	22.5	7.41	6.22	0.67		
A1	7/18/08	1002	-0.1 Low	3.0 93	68.6 961	2.8 40	606 17024	3.6 112		97 1357			11.67	22.1	7.36	2.15			
A1	8/13/08	1039	0.8 Flood	2.9 90	64.4 902	1.8 26	531 14903	0.0		0		0.80	11.46	23.0	7.48	6.06	2.48		
A1	9/4/08	1119	1.1 Ebb	2.4 76	61.1 856	1.7 24	499 14013	3.2 99		91 1277		2.59	12.89	23.7	7.69	4.56	3.69		
A1	10/20/08	955	2.2 High	4.3 132	124.6 1746	0.3 4	496 13934	0.0		0		0.21	13.36	22.7	7.58		10.71		
A1	11/6/08	1022	1.8 High	4.5 139	120.7 1690	1.8 25	523 14696	4.8 149		132 1852		0.74	11.38	22.4	7.86	4.16	1.13		
A1	1/2/08	1032	1.0 Ebb	3.9 120	119.2 1669	2.9 40	524 14718	4.4 135		108 1518		0.21	12.91	22.9	7.94	6.85	2.38		
A1	1/12/09	1013	0.6 Ebb	4.3 134	158.8 2224	2.5 35	566 15896	0.6 18		160 2245		2.17	12.59	21.7	7.80	4.07	1.99		
A1	2/20/09	921	0.3 Low	3.9 122	79.9 1120	5.5 76	539 15127	2.9 90		95 1330		2.95	12.29	21.4	7.35	2.64	1.28		
A1	3/30/09	1428	0.3 Flood	2.8 86	92.4 1294	0.4 6	424 11910	4.0 123		102 1424		0.49	11.7	22.7	7.78	6.13	0.48		
A1	4/27/09	1504	1.0 Flood	3.4 107	95.7 1340	1.0 14	539 15127	4.3 134		92 1295		0.54	13.58	23.0	7.87	5.96	0.05		
A1	5/14/09	1401	0.6 Flood	3.8 117	70.6 989	4.1 58	538 15120	4.0 125		71 997		2.19	12.02	27.8	8.30	9.03	1.10		
A1	6/10/09	808	0.3 Ebb	2.6 81	31.5 441	6.2 87	471 13238	2.8 87		51 719		3.3	13.28	23.3	7.50	7.48	0.31		
A1	7/10/09	749	0.6 Ebb	1.2 39	21.6 303	3.8 54	266 7477	2.3 71		31 431		3.93	12.69	22.6	7.41	8.84	0.64		
A1	8/27/09	923	1.7 Flood	2.3 73	52.4 734	0.9 13	282 7913	3.0 93		52 731		0.10	12.94	22.9	7.88	5.20	0.29		
A1	9/17/09	1102	1.0 Flood	3.7 113	95.5 1338	1.3 18	370 10393	3.4 107		101 1415		0.46	11.94	22.8	7.35	5.25	1.05		
A1	10/22/09	840	2.0 Ebb	2.9 89	55.3 775	0.7 10	106 2975	2.7 83		58 807		5.1	13.25	22.8	7.76	5.37	1.04		
A1	11/19/09	829	1.7 Ebb	4.0 125	92.2 1292	1.7 24	406 11407	3.8 118		97 1362		0.96	14.2	22.3	7.54	5.25	0.72		
A1	12/7/09	842	2.0 High	4.0 123	104.0 1456	0.9 12	435 12210	3.8 118		107 1502		0.14	13.13	22.1	7.95	6.31	0.60		
A1	1/4/10	1451	0.0 Low	4.7 147	107.9 1512	0.8 12	525 14745	4.3 134		114 1590		0.24	14.27	22.8	8.20	8.21	0.15		
A1	2/2/10	1407	-0.2 Low	4.4 136	129.5 1814	1.5 21	469 13172	4.7 147		131 1828		0.27	15.83	22.3	8.29	5.53	0.28		
A1	3/10/10	1325	0.7 High	4.1 126	100.3 1405	0.6 9	375 10534	4.0 124		104 1461		0.26	12.41	22.6	8.11	8.10	0.48		
A1	4/5/10	1010	0.4 High	4.5 139	99.4 1393	0.9 13	598 16807	4.2 129		102 1423		0.13	12.42	23.1	8.24	7.10	0.11		
A1	5/12/10	1309	1.5 Flood	4.1 128	95.7 1340	0.4 5	578 16222	3.7 116		93 1307		0.24	14.22	26.5	8.44	7.40	0.04		
A1	6/21/10	1032	1.3 Flood	3.7 114	97.4 1365	1.5 21	605 16988	4.0 123		104 1459		0.18	12.36	24.9	8.23	7.50	0.23		
A1	7/12/10	1023	-0.1 Low	4.0 124	111.6 1563	0.9 13	575 16147	3.9 122		117 1636		0.31	15.57	24.2	8.01	5.93	0.22		
A1	8/2/10	1231	1.3 Ebb	3.8 117	105.7 1481	2.0 27	605 16985	3.7 116		113 1579		0.54	12.78	26.5	8.17	7.50	0.21		
A1	9/2/10	1158	1.9 Flood	3.7 116	108.0 1512	1.7 23	574 16126	3.6 111		114 1598		0.25	12.69	27.0	8.30	7.28	0.12		
A1	10/19/10	1132	1.2 Flood	3.8 118	119.9 1679	1.1 15	593 16661	3.8 119		121 1693		0.27	12.56	25.3	8.31	7.01	0.10		
A1	11/3/10	1011	0.7 Flood	4.0 123	118.0 1653	1.2 18	555 15577	4.0 124		127 1778		0.39	13.66	24.1	8.36	6.97	0.34		
A1	12/6/10	953	0.3 Ebb	4.1 126	100.9 1413	1.2 18	563 15806	3.8 119		107 1503		0.18	15.79	22.3	8.01	5.48	0.17		
A1	1/26/11	1028	0.8 Ebb	5.1 157	137.3 1923	1.5 21	551 15462	4.8 149		140 1955		0.14	12.33	22.4	8.15	6.11	0.25		
A1	4/13/11	1030	0.4 Flood	3.7 116	104.0 1457	1.0 14	612 17177	3.7 115		106 1488		0.43	12.43	24.4	8.45	7.55	0.27		
A1	7/18/11	952	0.5 Ebb	4.2 129	94.7 1327	0.7 10	584 16413	4.5 141		99 1387		0.11	13.85	22.7	7.76	6.69	0.02		
A1	10/5/11	1003	1.6 Flood	3.6 112	89.7 1256	1.0 15	585 16429	3.7 115		92 1289		0.09	12.31	23.6	8.04	6.70	0.10		
A1	1/17/12	838	0.7 Flood	3.9 120	97.0 1359	0.8 11	602 16905	3.7 114		100 1404		0.20	12.84	22.4	7.95	6.88	0.10		
A1	4/19/12	1053	0.3 Flood	3.6 110	81.9 1147	1.1 16	605 16994	3.7 115		89 1249		0.13	13.3	23.6	8.20	7.51	0.10		

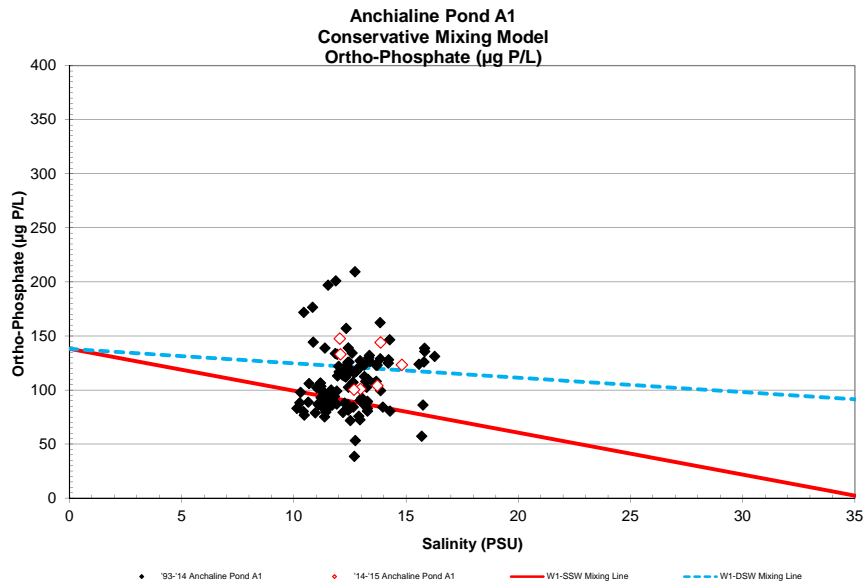
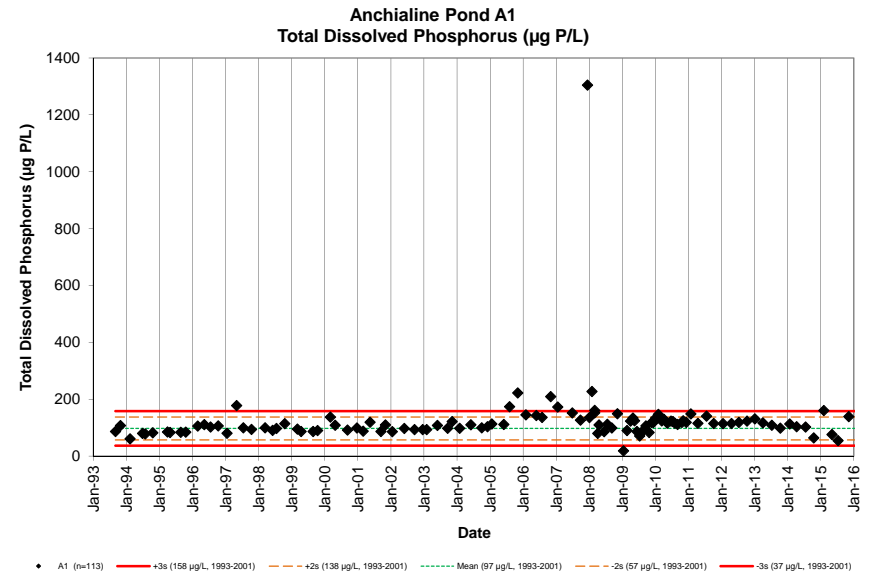
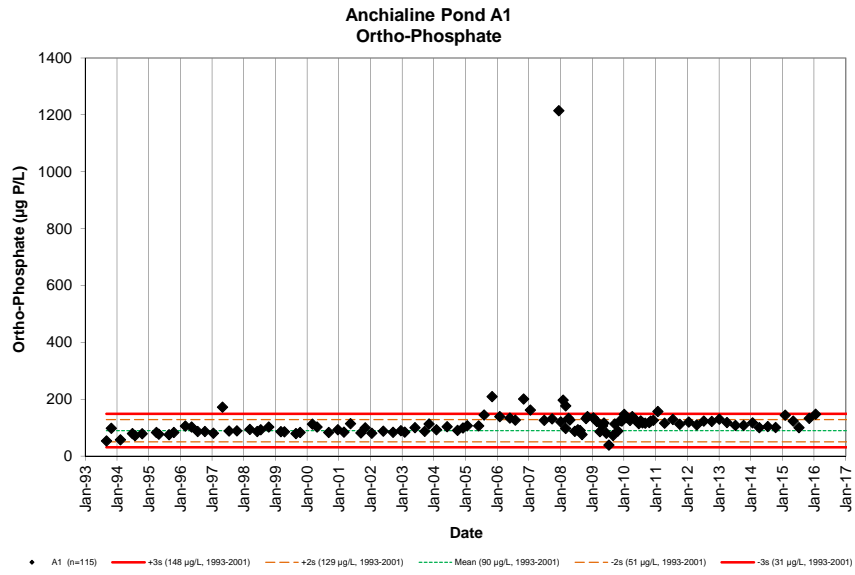
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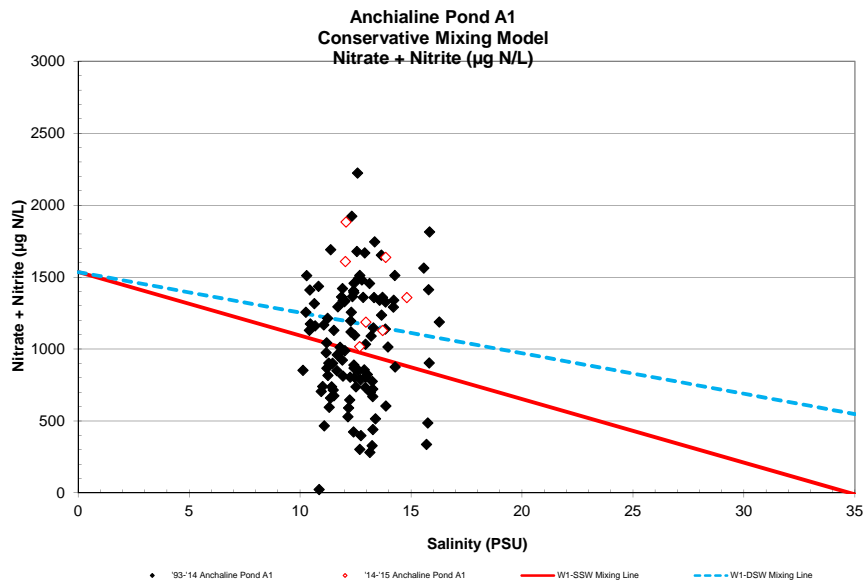
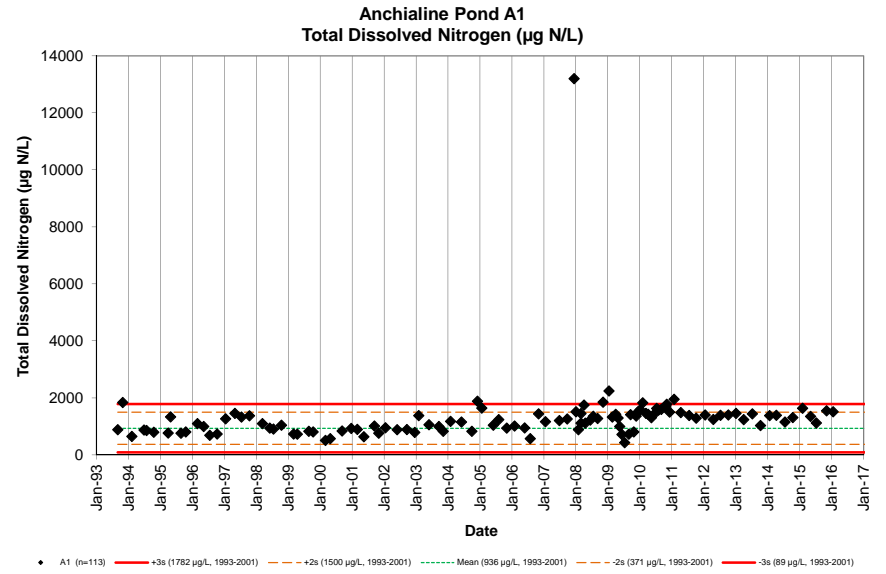
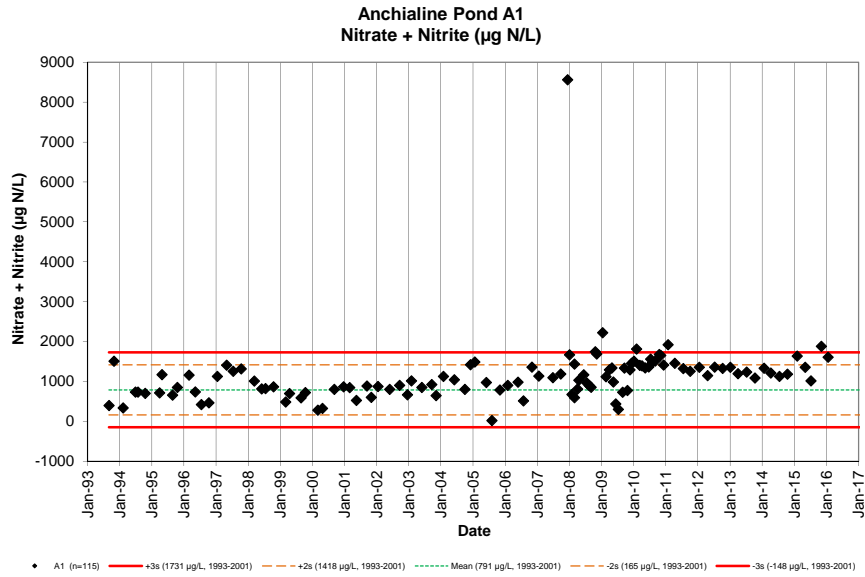
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SITE ID	DATE M/D/Y	TIME (2400)	TIDE		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TP		TDN		TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	TEMP (°C)	pH	DO (ppm)	Chl a (µg/L)	Fecal Col. CFU/100ml	Entero. CFU/100ml
			(ft)	cycle	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)									
A1	7/9/12	1128	1.1	Ebb	4.0	123	97.1	1360	0.7	10	575	16152	3.8	119			99	1392		0.05	13.71	23.2	7.91	7.84	0.01		
A1	10/8/12	1055	1.8	High	3.9	122	94.9	1329	1.0	14	600	16841	4.0	123			100	1402		0.18	11.99	24.6	8.00	7.60	0.14		
A1	1/3/13	1051	1.0	Ebb	4.2	130	97.0	1358	1.5	22	576	16173	4.2	131			104	1461		0.13	13.33	22.4	8.07	6.05	0.06		
A1	4/1/13	1039	0.4	Ebb	3.8	118	85.4	1196	1.0	14	557	15649	3.8	117			89	1241		0.27	12.28	22.8	8.12	7.65	0.05		
A1	7/8/13	1004	-0.1	low	3.5	108	88.2	1236	2.5	36	579	16255	3.5	109			103	1441		0.17	13.67	23.7	8.25	9.05	0.03		
A1	10/10/13	1126	1.6	Ebb	3.5	108	77.8	1090	1.0	15	559	15695	3.2	99			74	1035		0.12	13.2	25.2	8.15	9.61	0.10		
A1	1/22/14	916	0.7	High	3.8	117	95.3	1335	1.4	20	596	16746	3.6	113			99	1380		0.02	12.02	22.0	8.01	6.23	0.62		
A1	4/9/14	1126	0.7	Flood	3.2	100	86.7	1214	2.3	32	511	14352	3.3	103			99	1390		0.47	11.24	24.5	8.59	9.92	0.90		
A1	7/16/14	1118	0.5	Ebb	3.4	104	80.6	1129	0.9	13	504	14160	3.3	102			83	1158		0.53	13.72	23.7	8.10	7.75	0.41		
A1	10/15/14	1134	1.5	Ebb	3.3	101	84.7	1187	0.9	13	529	14856	2.1	64			94	1311		0.3	12.96	25.3	8.04	6.85	0.12		
A1	2/3/15	826	0.5	Ebb	4.6	144	116.9	1638	1.4	20	593	16661	5.2	160			117	1641		0.33	13.86	22.5	8.06	5.68	0.18		
A1	5/5/15	1646	2.0	High	4.0	123	97.0	1358	0.8	11	429	12052	2.4	76			96	1352		0.37	14.81	23.9	8.25	8.26	0.19		
A1	7/10/15	1007	1.4	Flood	3.2	100	72.6	1017	0.7	9.4	520	14605	1.8	54.6			80	1124		0.32	12.68	23.6	8.10	8.19	0.23		
A1	11/5/15	1100	1.6	High	4.3	133	134.5	1884	1.1	16	521	14633	4.5	139			111	1551		0.51	12.07	23.9	8.44	10.72	0.20		
A1	1/19/16	900	-0.2	Low	4.8	148	114.8	1608	0.8	11	511	14363	4.5	139			108	1517		0.26	12.04	22.4	8.03	6.35			
A1	5/1/16																										

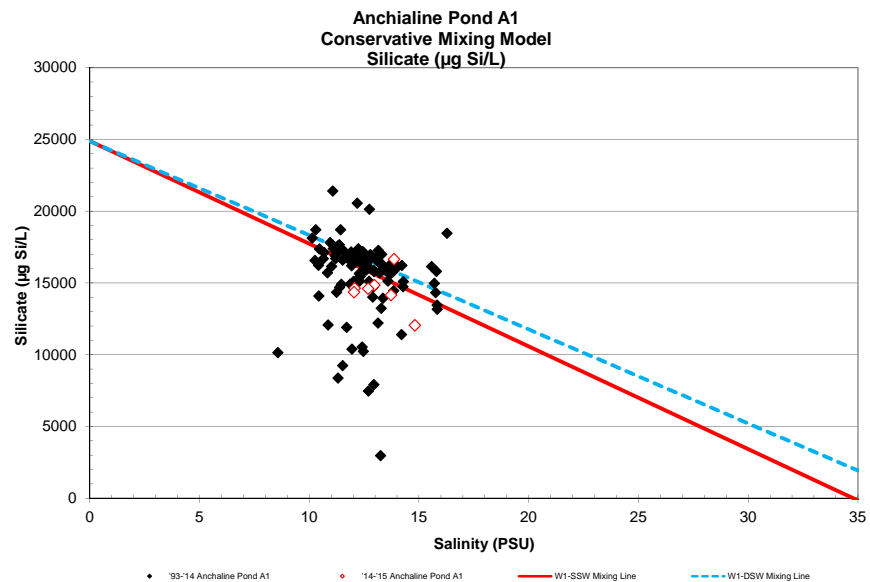
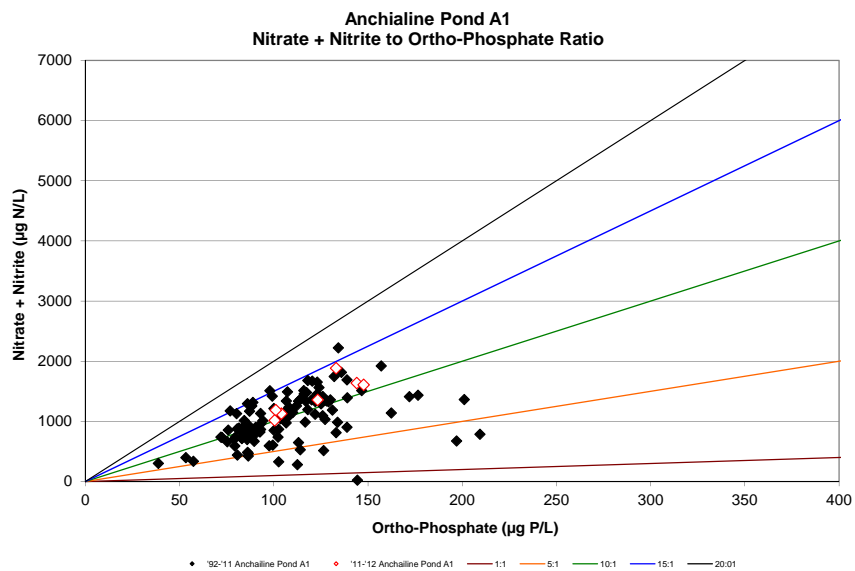
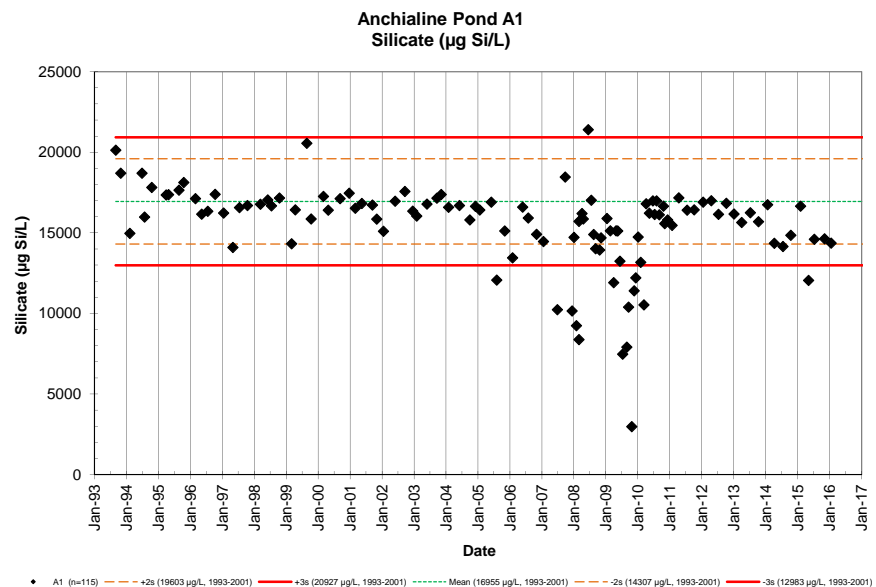
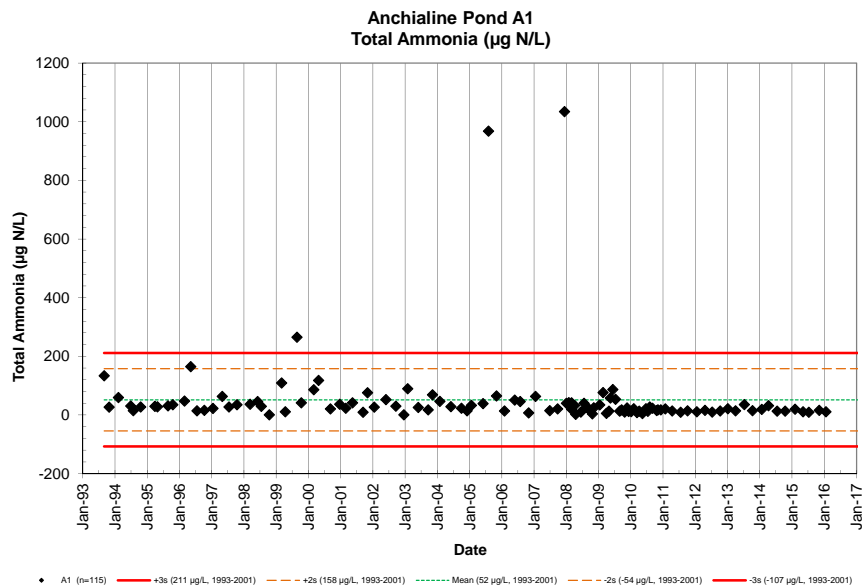
Anchialine Pond A1
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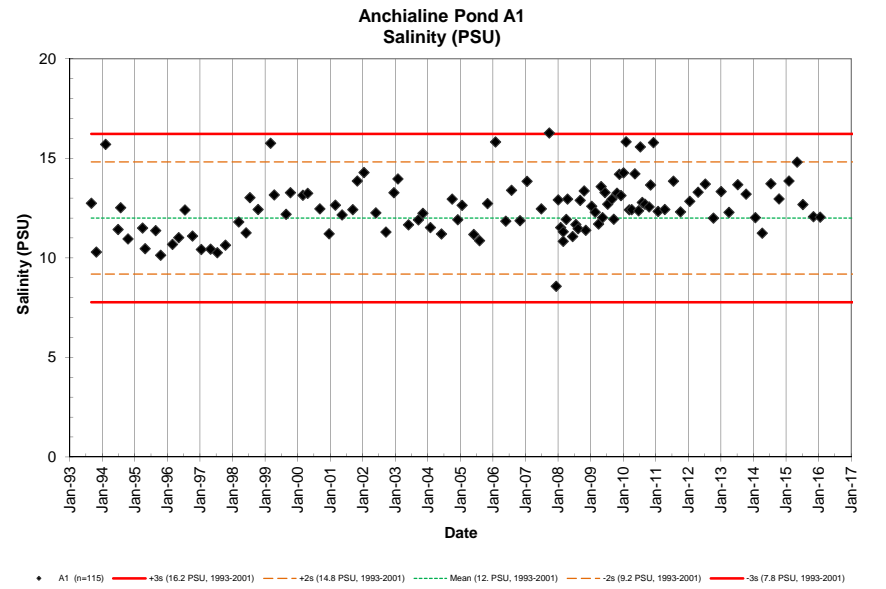
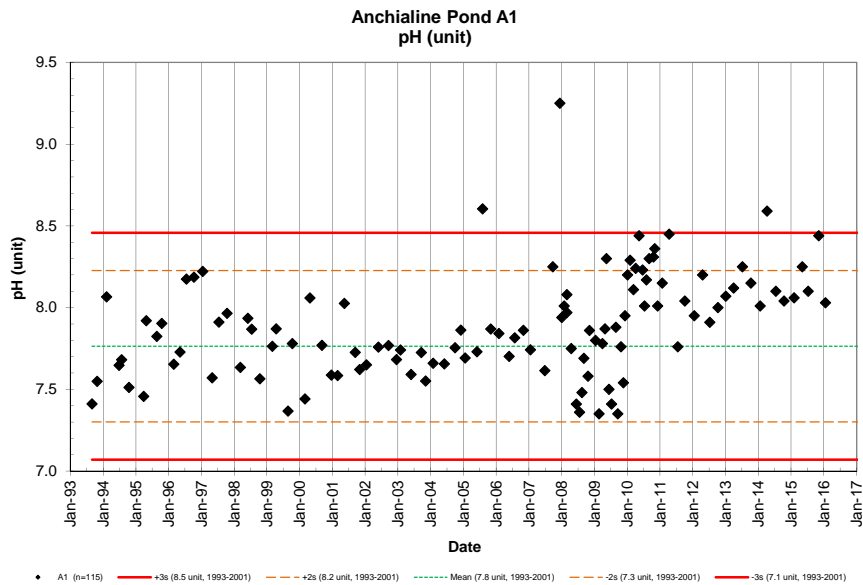
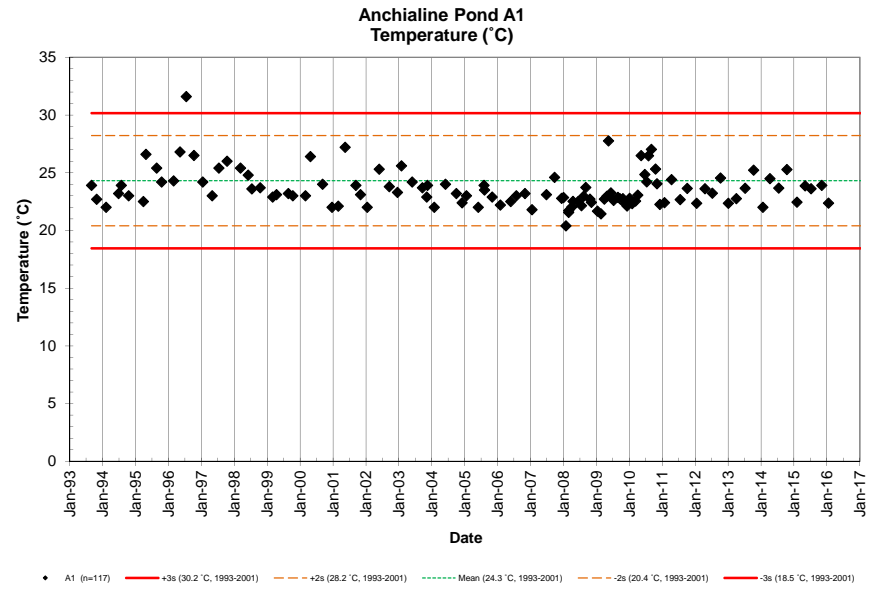
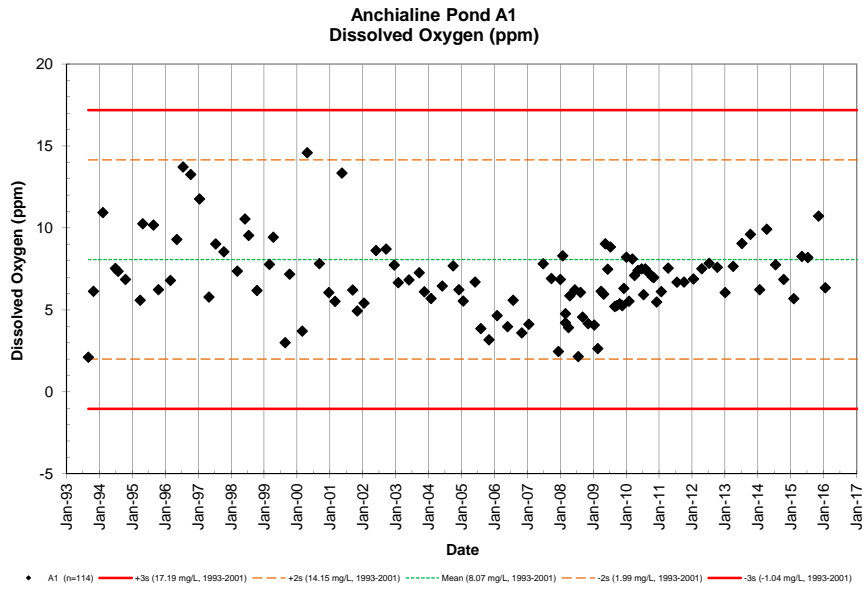
Anchialine Pond A1
8/31/1993 - 4/4/2016



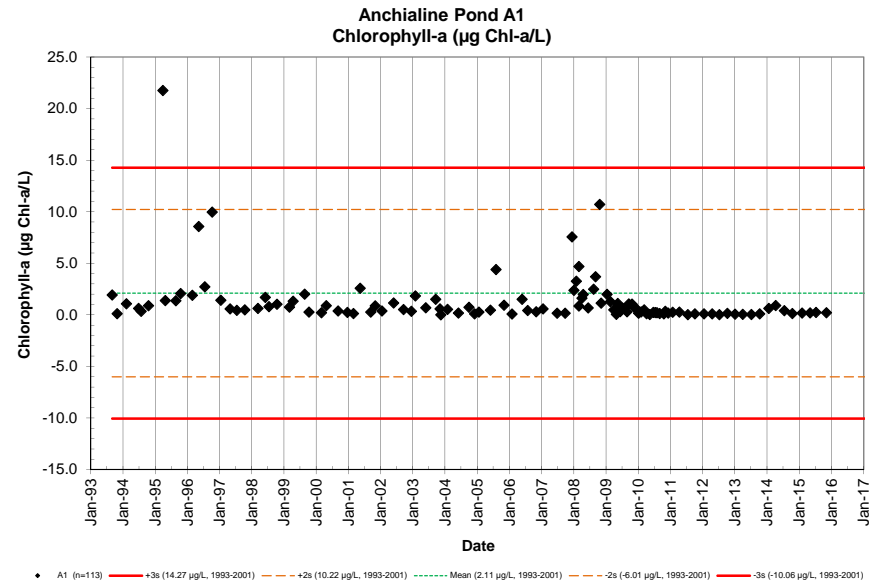
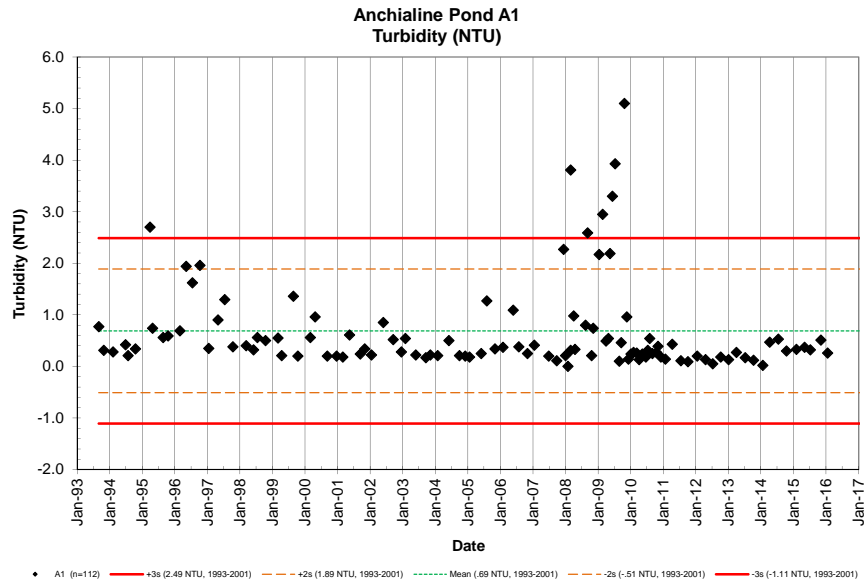
Anchialine Pond A1
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Anchialine Pond A1
8/31/1993 - 4/4/2016



Anchialine Pond A1
8/31/1993 - 4/4/2016



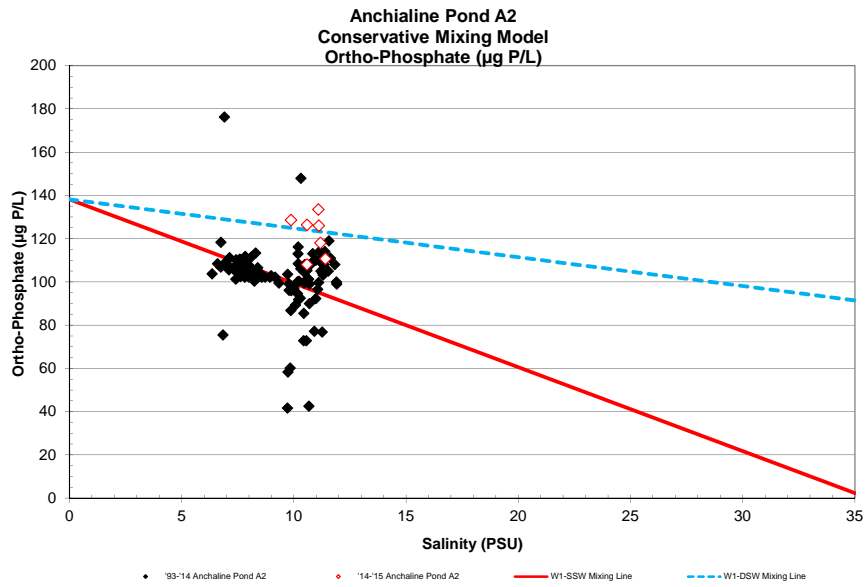
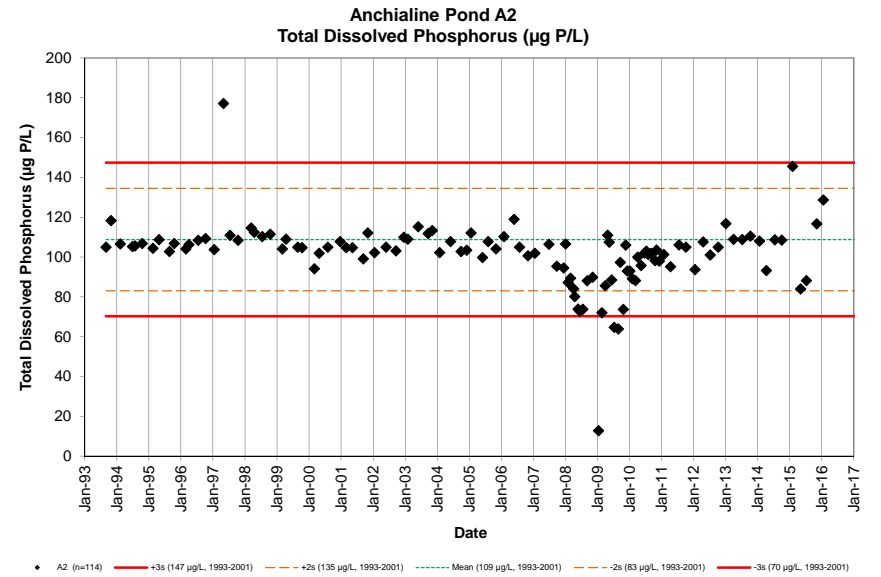
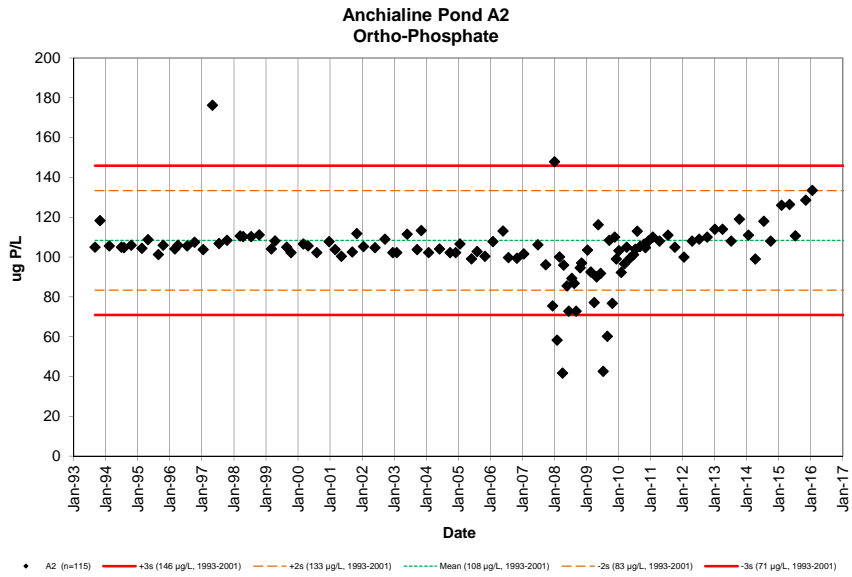
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Anchialine Pond A2

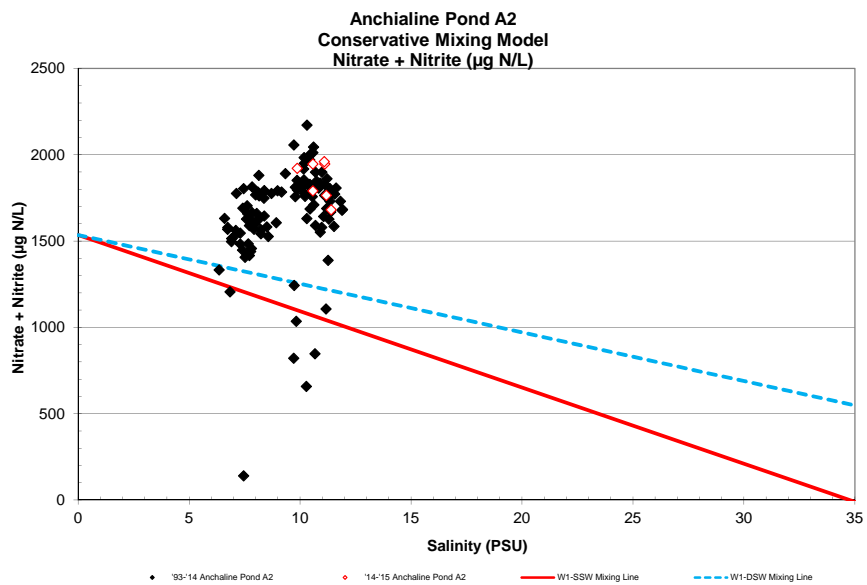
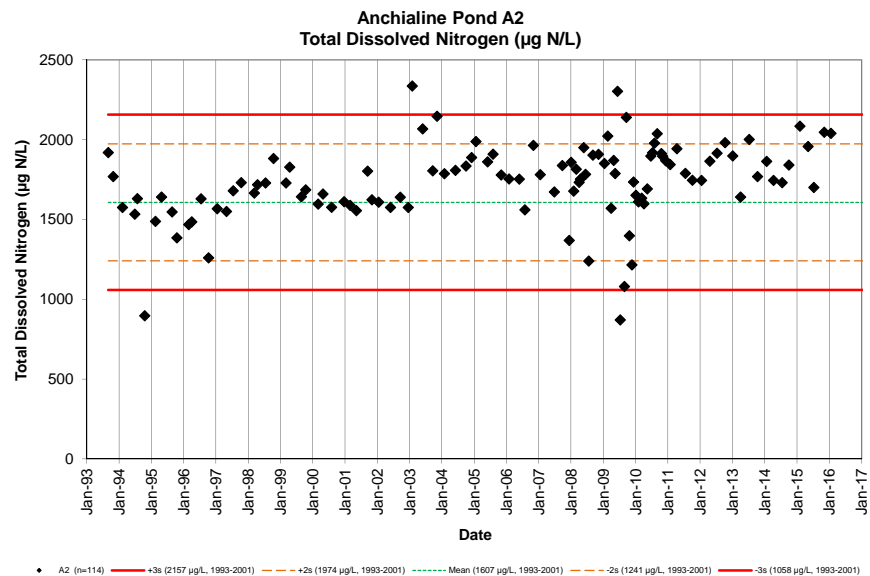
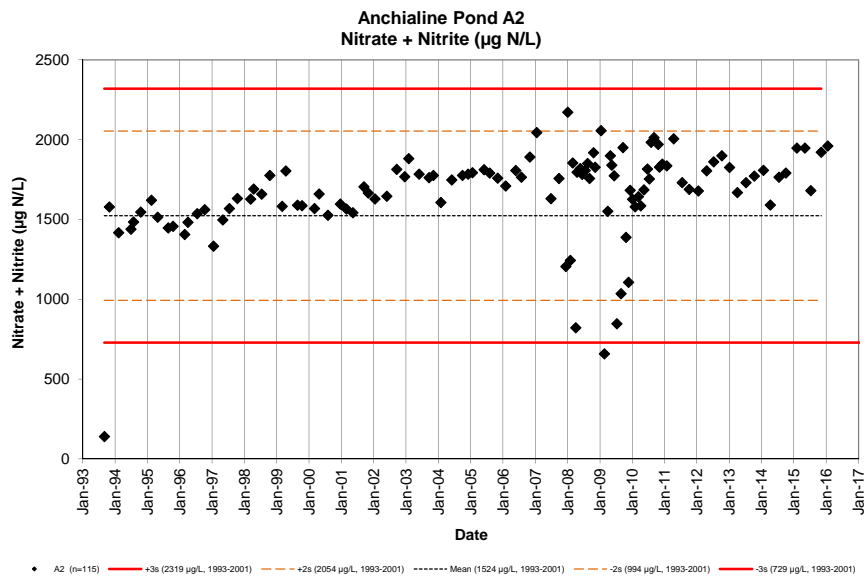
8/31/1993 - 4/4/2016

SITE ID	DATE M/D/Y	TIME (2400)	TIDE		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TP		TDN		TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	TEMP (°C)	pH	DO (ppm)	Chl a (µg/L)	Fecal Col. CFU/100ml	Entero. CFU/100ml	
			(ft)	cycle	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)										
A2	7/9/12	1103	1.2	Ebb	3.5	109	132.9	1861	1.0	14	607	17043	3.3	101			137	1915		0.02	11.21	22.0	7.94	8.67	0.02			
A2	10/8/12	1030	1.8	High	3.6	110	135.6	1899	0.9	12	624	17520	3.4	105			141	1982		0.07	10.98	22.8	7.91	7.48	0.12			
A2	1/3/13	1033	1.2	Ebb	3.7	114	130.4	1826	0.6	9	590	16561	3.8	117			136	1898		0.02	11.13	21.9	7.98	7.19	0.01			
A2	4/1/13	1013	0.4	Ebb	3.7	114	119.2	1669	1.0	14	587	16480	3.5	109			117	1641		0.03	11.38	21.7	7.86	6.67	0.02			
A2	7/8/13	943	-0.1	Low	3.5	108	123.6	1731	1.4	20	572	16068	3.5	109			143	2002		0.10	11.82	23.2	7.78	7.10	0.00			
A2	10/10/13	1040	1.7	Ebb	3.8	119	126.5	1772	0.8	11	590	16561	3.6	111			126	1769		0.02	11.56	22.7	7.89	6.78	0.08			
A2	1/22/14	849	0.7	High	3.6	111	129.1	1808	0.8	11	591	16597	3.5	108			133	1864		0.02	11.62	21.7	7.91	6.62	0.00			
A2	4/9/14	1025	0.7	Flood	3.2	99	113.6	1591	2.4	34	539	15143	3.0	93			125	1745		0.08	10.69	22.7	7.83	7.19	0.12			
A2	7/16/14	1052	0.5	Ebb	3.8	118	126.0	1765	0.7	10	550	15451	3.5	109			124	1731		0.07	11.18	22.5	7.90	6.94	0.03			
A2	10/1/14	1209	1.5	Ebb	3.5	108	127.9	1791	1.2	17	553	15542	3.5	109			131	1842		0.13	10.58	23.0	7.99	6.83	0.03			
A2	2/3/15	853	0.5	Ebb	4.1	126	139.0	1947	1.3	18	637	17886	4.7	146			149	2085		0.28	11.11	21.8	7.84	7.16	0.01			
A2	5/5/15	1559	2.0	High	4.1	126	139.0	1947	0.1	2	482	13545	2.7	84			140	1958		0.07	10.58	22.2	7.96	6.75	0.05			
A2	7/10/15	1031	1.4	Flood	3.6	111	120.0	1681	0.2	3.2	524	14730	2.8	88			121	1701		0.09	11.40	23.1	7.81	6.82	0.04			
A2	11/5/15	941	1.2	Flood	4.2	129	137.2	1922	0.6	8	559	15695	3.8	117			146	2046		0.09	9.87	23.1	7.89	6.88	0.08			
A2	1/19/16	1000	-0.2	Low	4.3	134	139.9	1960	0.6	8	530	14879	4.2	129			146	2040		0.3	11.09	22.3	7.79	7.31				
A2	5/1/16																											

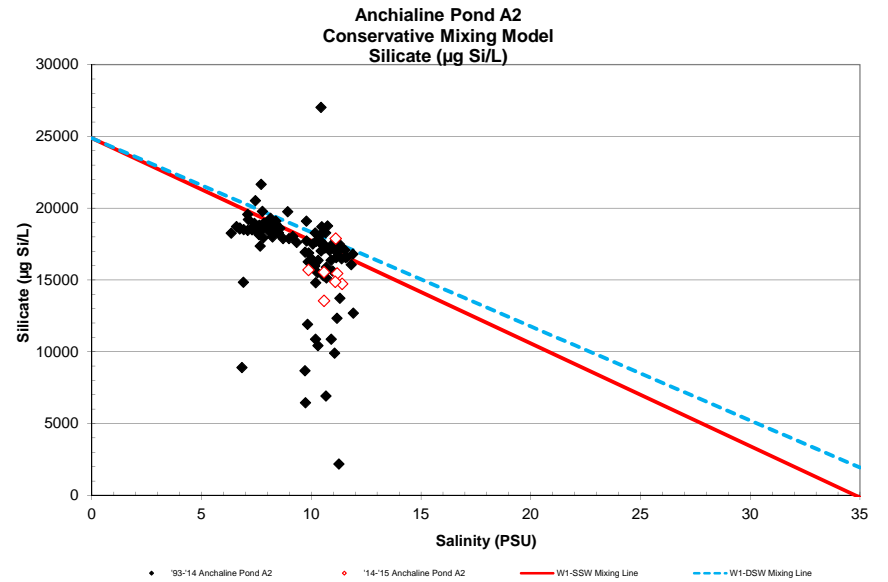
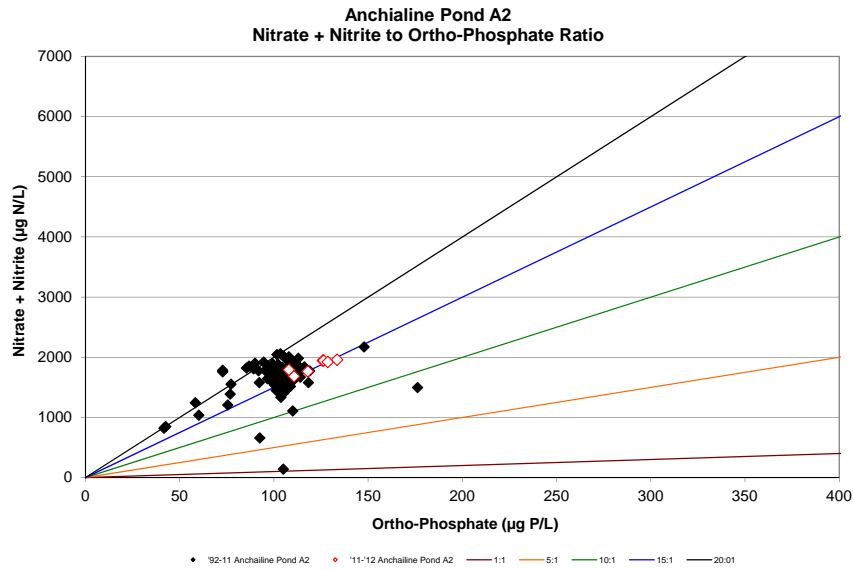
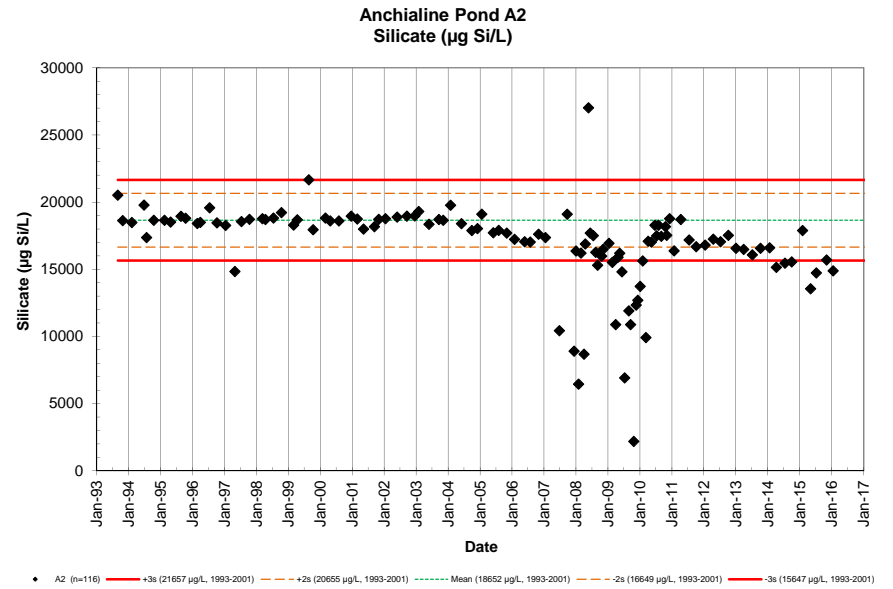
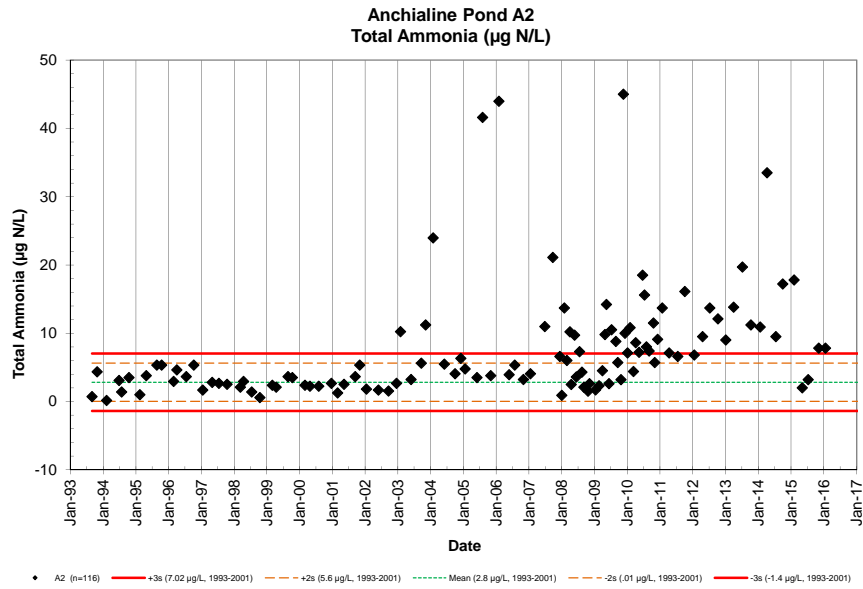
Anchialine Pond A2
8/31/1993 - 4/4/2016



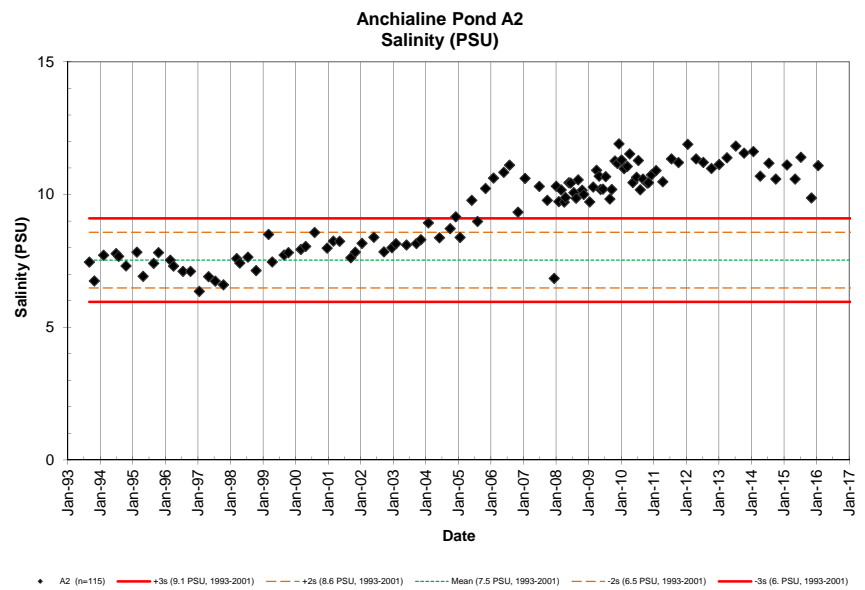
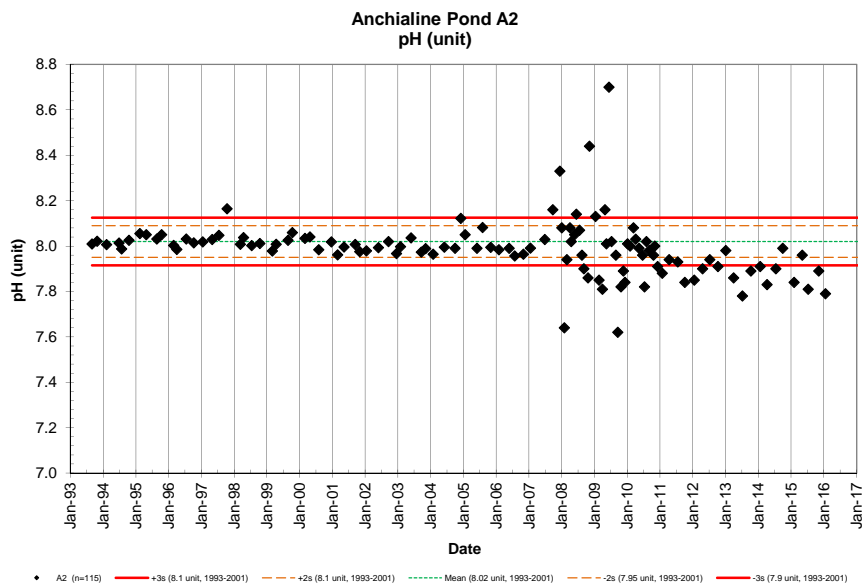
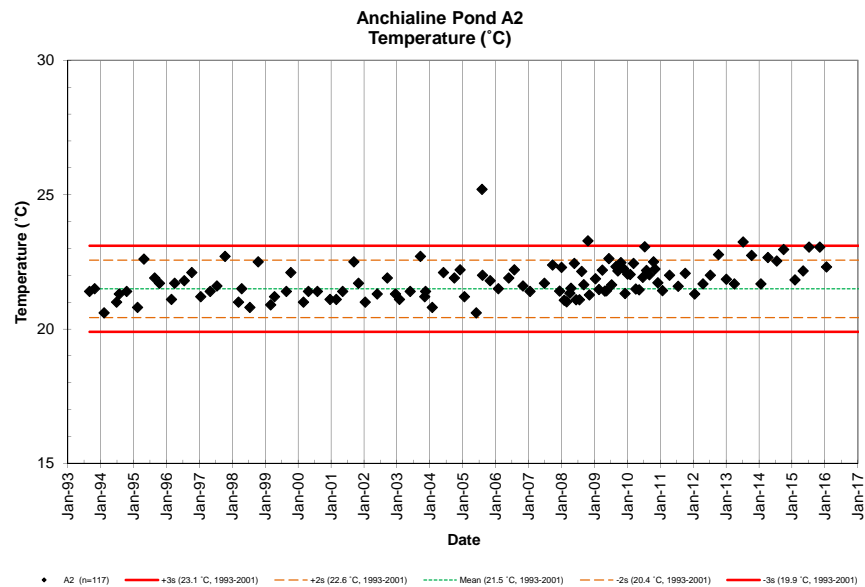
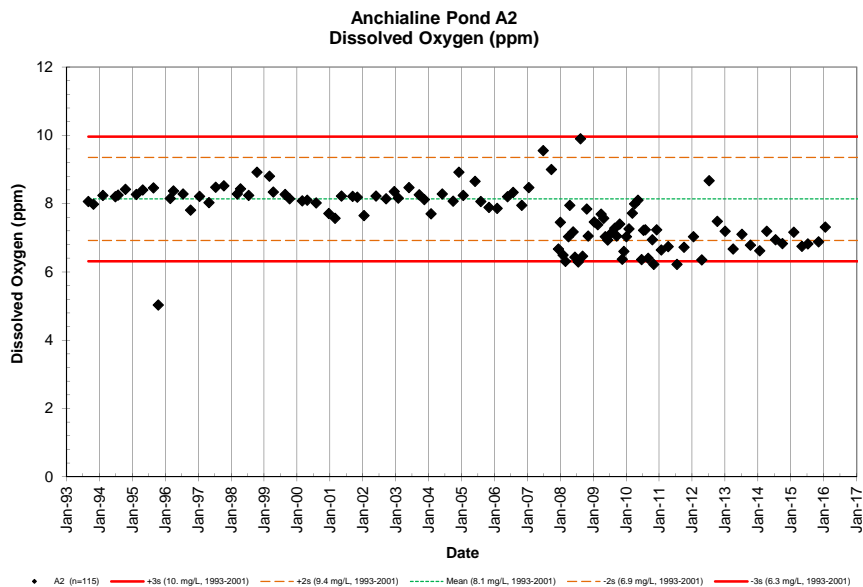
Anchialine Pond A2
8/31/1993 - 4/4/2016



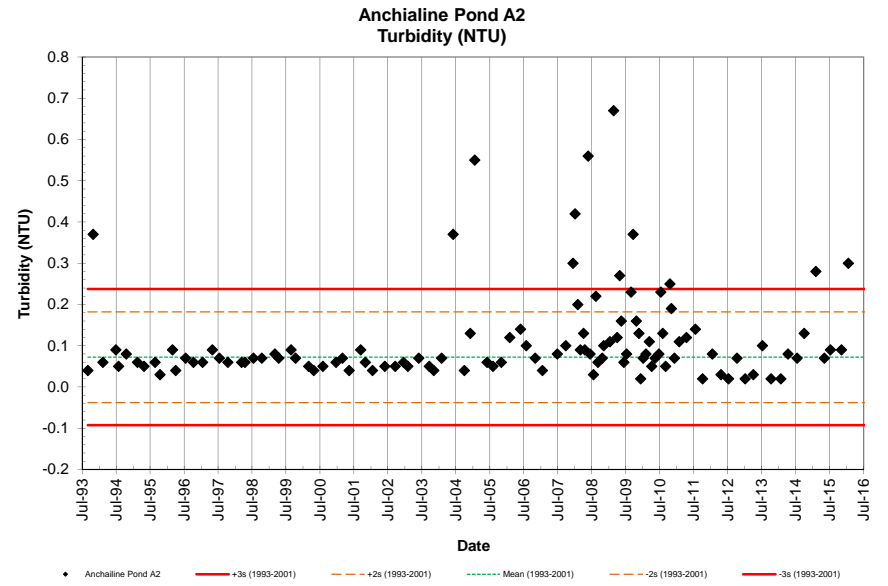
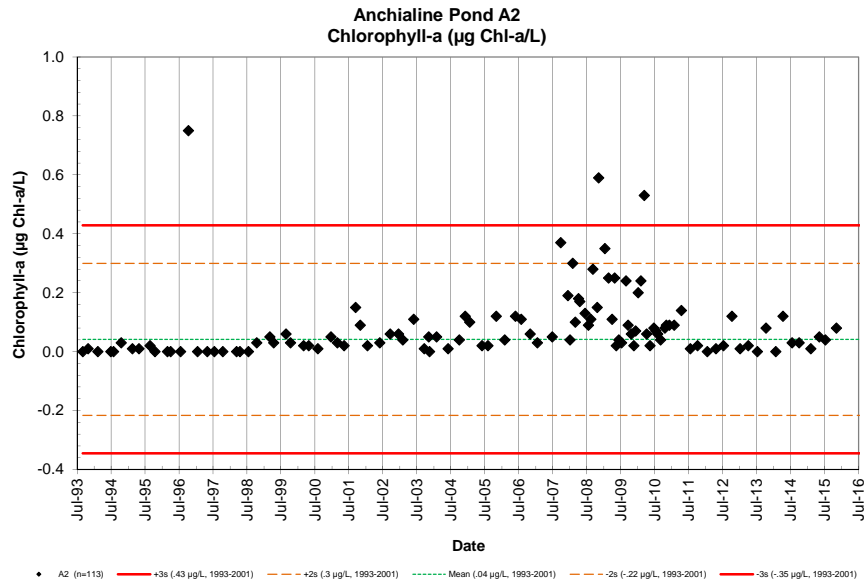
Anchialine Pond A2
8/31/1993 - 4/4/2016



Anchialine Pond A2
8/31/1993 - 4/4/2016



Anchialine Pond A2
8/31/1993 - 4/4/2016

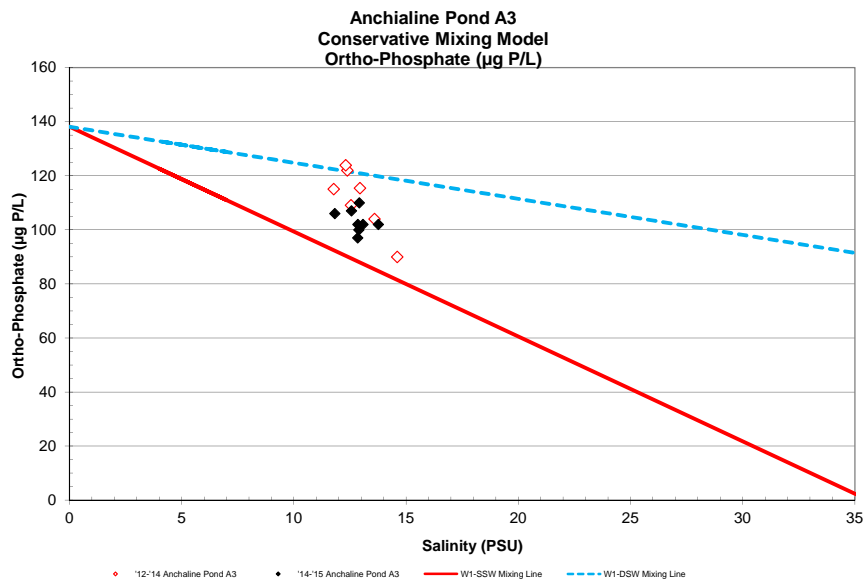
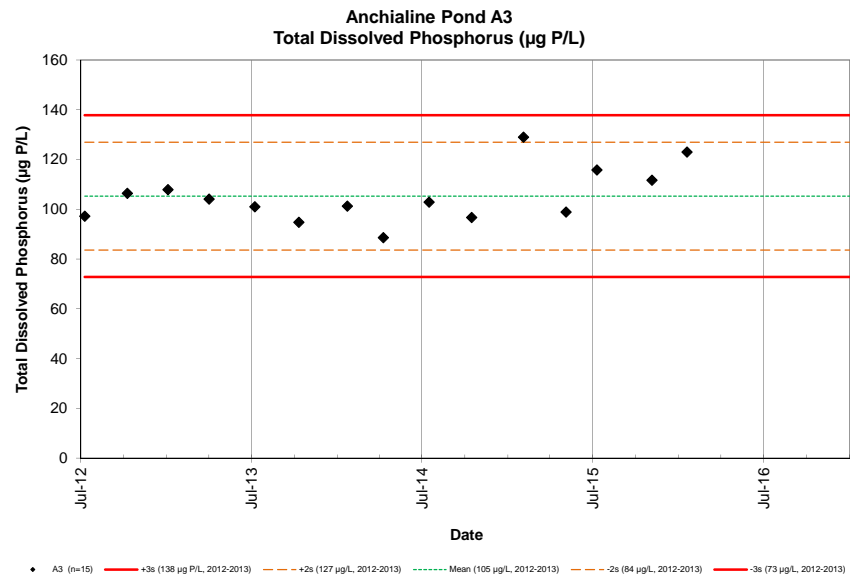
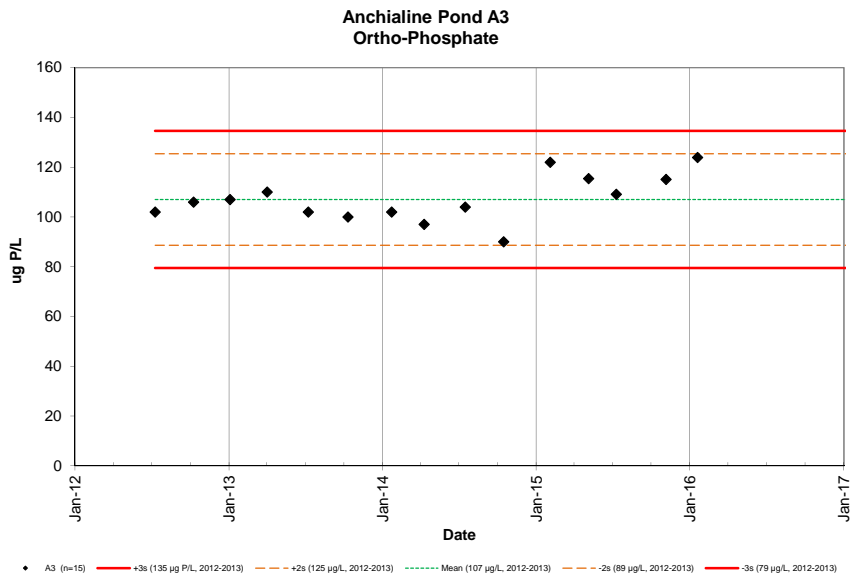


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Anchialine Pond A3

7/9/2012 - 4/4/2016

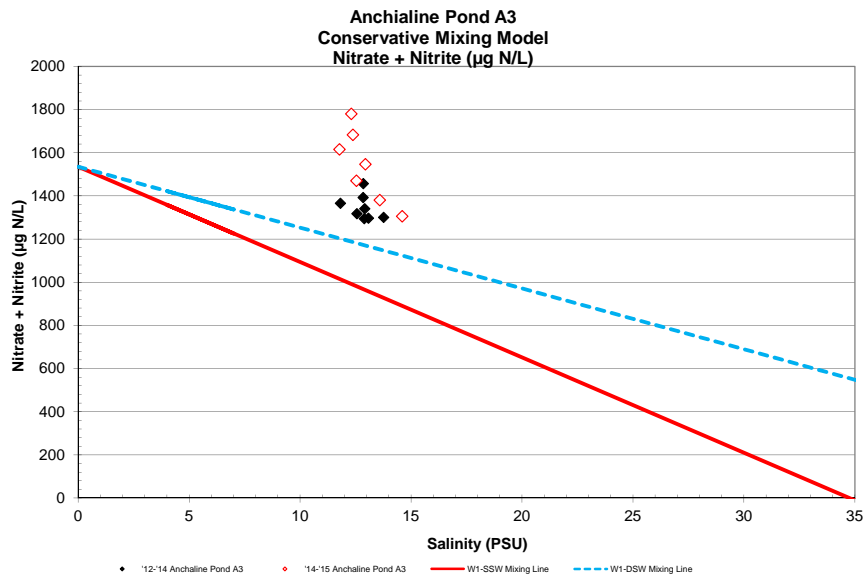
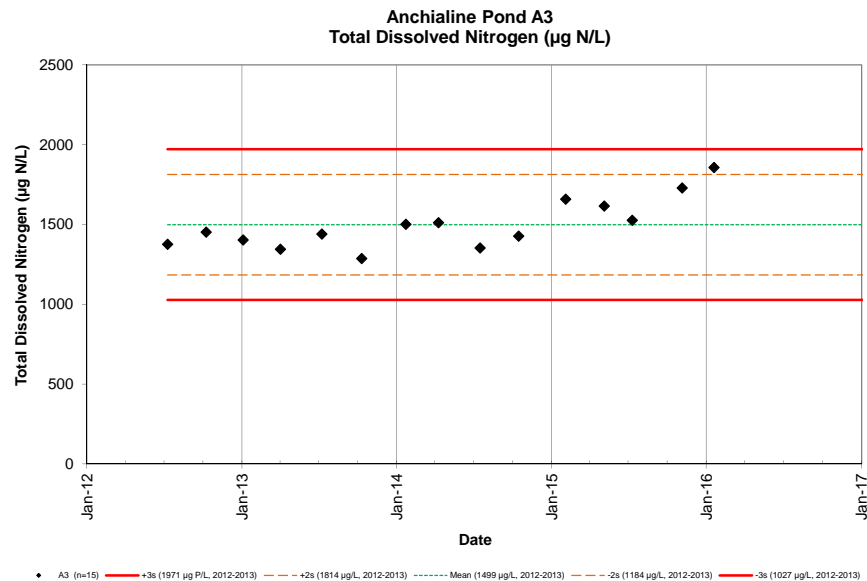
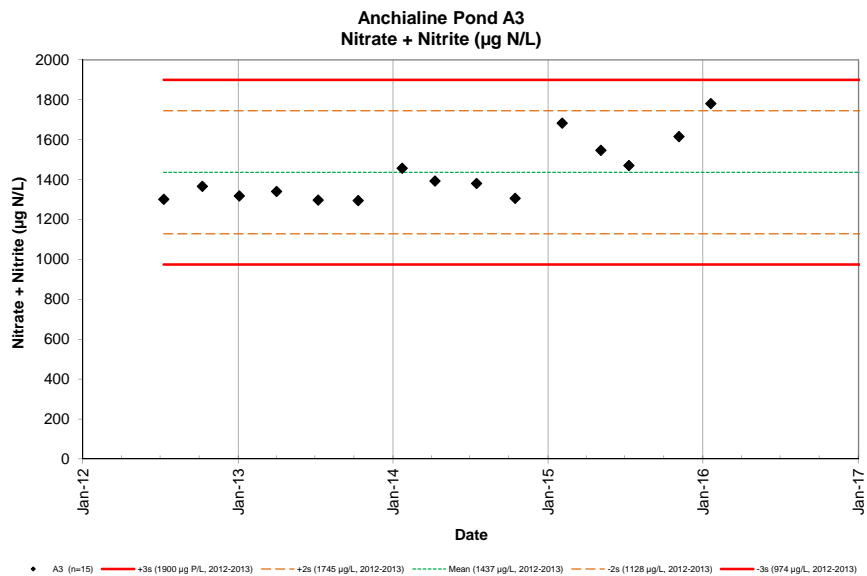
SITE ID	DATE M/D/Y	TIME (2400)	TIDE		PO ₄ ⁴⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	TEMP (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(ft)	cycle	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
A3	7/9/12	1111	1.2	Ebb	3.3	102	92.9	1301	0.8	10.7	562	15780	3.1	97	98.2	1376	0.39	13.76	22.0	7.97	7.83	0.07
A3	10/8/12	1035	1.8	High	3.4	106	97.5	1366	2.4	34.3	589	16537	3.4	106	103.7	1453	0.6	11.82	22.0	7.94	7.30	0.32
A3	1/3/13	1039	1.2	Ebb	3.5	107	94.1	1318	1.3	17.7	553	15523	3.5	108	100.2	1403	0.1	12.56	20.9	7.99	7.90	0.04
A3	4/1/13	1019	0.4	Ebb	3.6	110	95.7	1341	1.2	17.1	549	15431	3.4	104	96.0	1345	2.79	12.91	20.9	7.84	6.90	0.12
A3	7/8/13	950	-0.1	Low	3.3	102	92.6	1297	1.61	22.5	565	15859	3.26	101	103	1441	5.62	13.08	22.6	7.68	7.44	1.21
A3	10/10/13	1047	1.7	Ebb	3.2	100	92.5	1295	1.20	16.8	529	14871	3.06	95	92	1287	0.31	12.89	23.6	7.94	7.85	0.19
A3	1/22/14	855	0.7	High	3.3	102	104.0	1457	0.9	12	552	15512	3.3	101	107	1501	0.02	12.85	21.0	7.97	7.04	0.03
A3	4/9/14	1014	0.7	Flood	3.1	97	99.5	1393	2.3	32	513	14415	2.9	89	108	1511	0.05	12.84	21.0	7.85	7.30	0.02
A3	7/16/14	1058	0.5	Ebb	3.4	104	98.6	1381	1.58	22.1	503	14121	3.32	103	97	1353	0.18	13.59	21.9	7.86	7.59	0.07
A3	10/15/14	1218	1.5	Ebb	2.9	90	93.2	1306	0.79	11.1	494	13861	3.12	97	102	1428	0.41	14.60	25.4	7.87	6.61	0.09
A3	2/3/15	909	0.5	Ebb	3.9	122	120.2	1683	1.5	21	594	16682	4.2	129	118	1659	0.24	12.38	20.3	7.73	7.21	0.04
A3	5/5/15	1608	2.0	High	3.7	115	110.4	1547	1.1	16	430	12082	3.2	99	115	1616	0.58	12.94	22.8	7.96	7.97	0.13
A3	7/10/15	1044	1.4	Flood	3.5	109	105.0	1471	0.8	12	477	13411	3.7	116	109	1527	0.23	12.54	21.5	7.77	8.01	0.04
A3	11/5/15	935	1.2	Flood	3.7	115	115.4	1616	0.91	12.7	506	14218	3.61	112	123	1729	0.3	11.77	21.7	7.72	7.03	0.13
A3	1/19/16	1014	-0.2	Low	4.0	124	127.1	1781	0.6	9	486	13639	4.0	123	133	1858	0.61	12.31	20.7	7.83	7.68	
A3	5/1/16																					



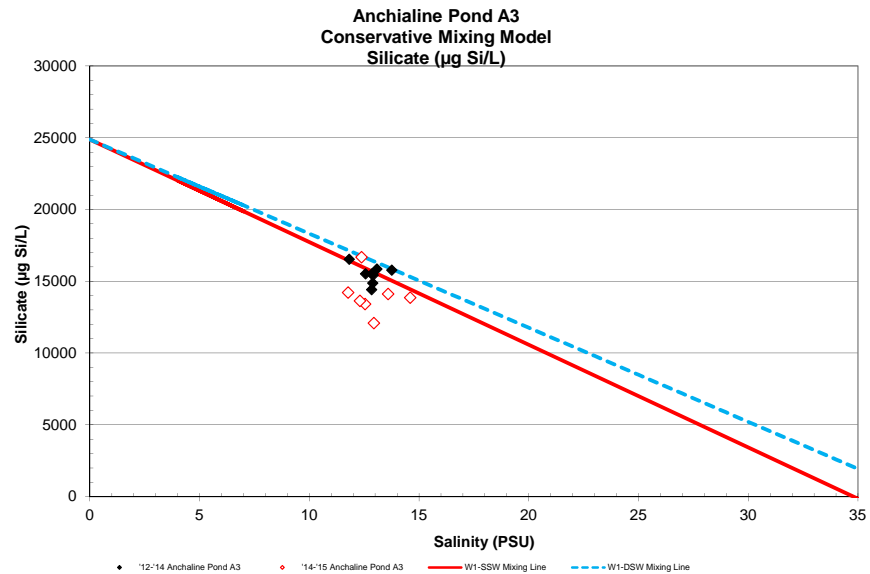
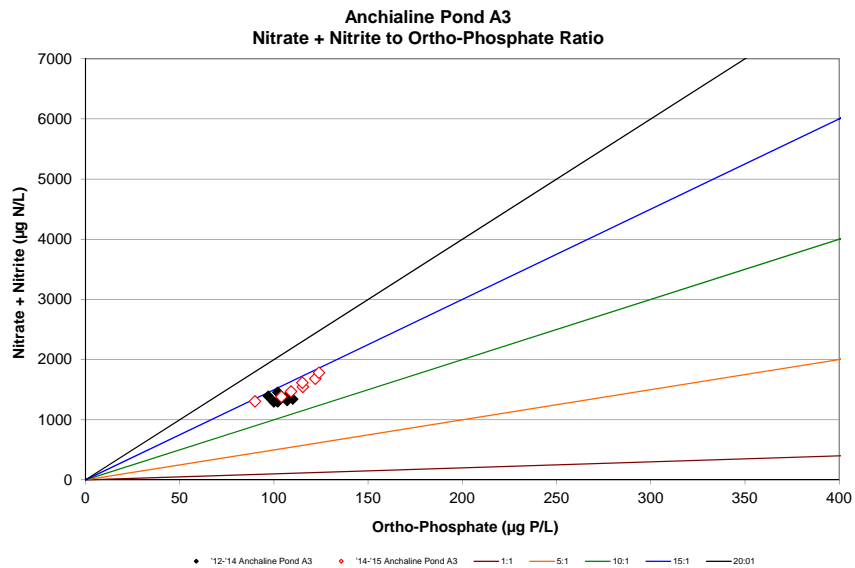
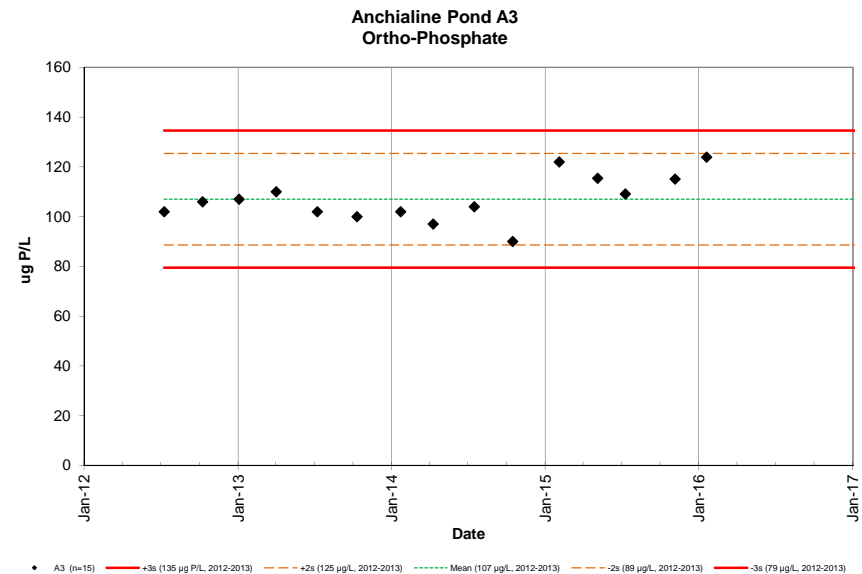
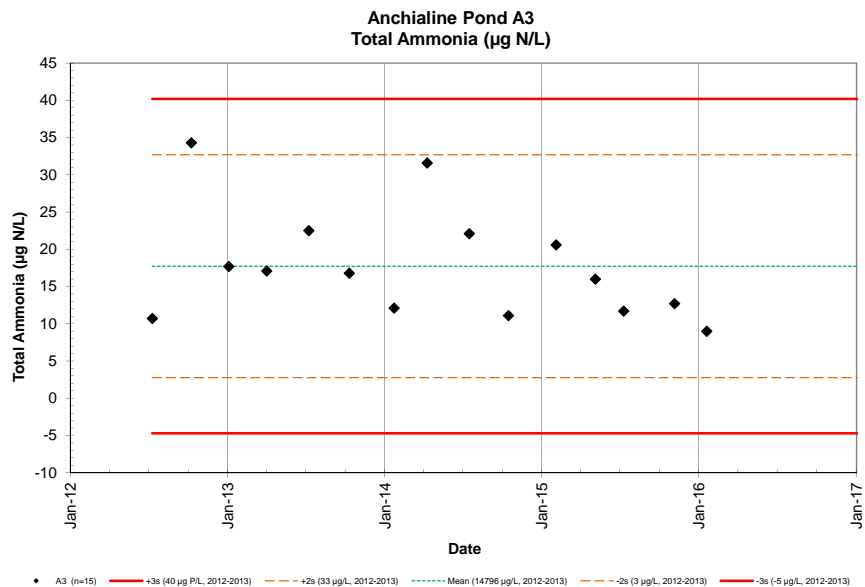
NELHA Water Quality Laboratory

Anchialine Pond A3

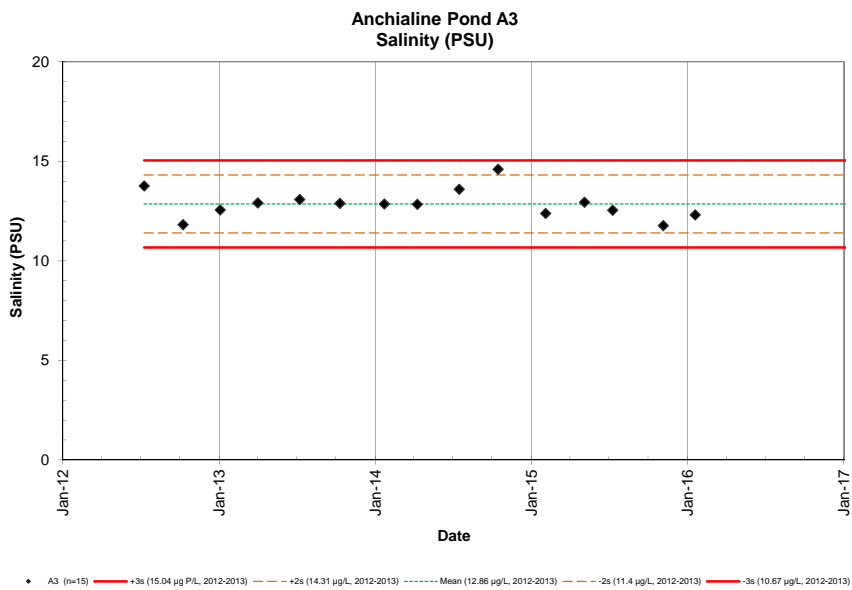
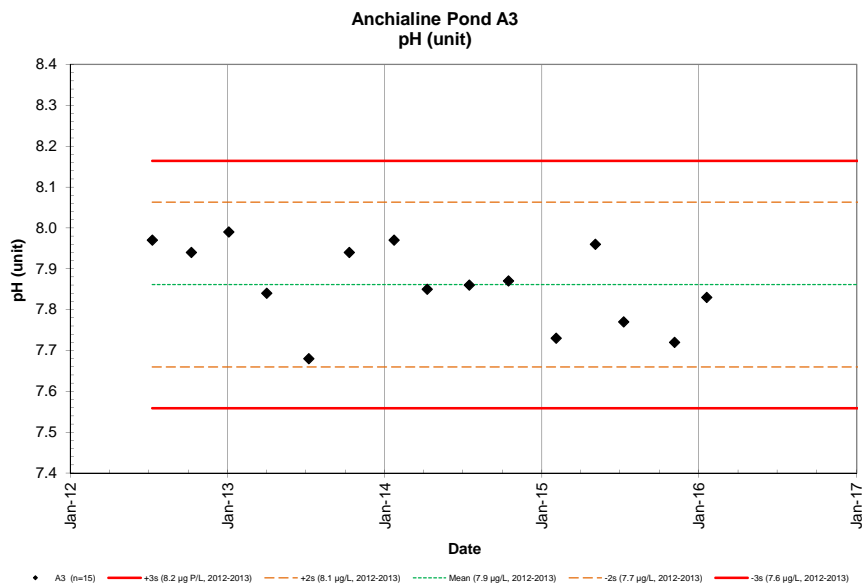
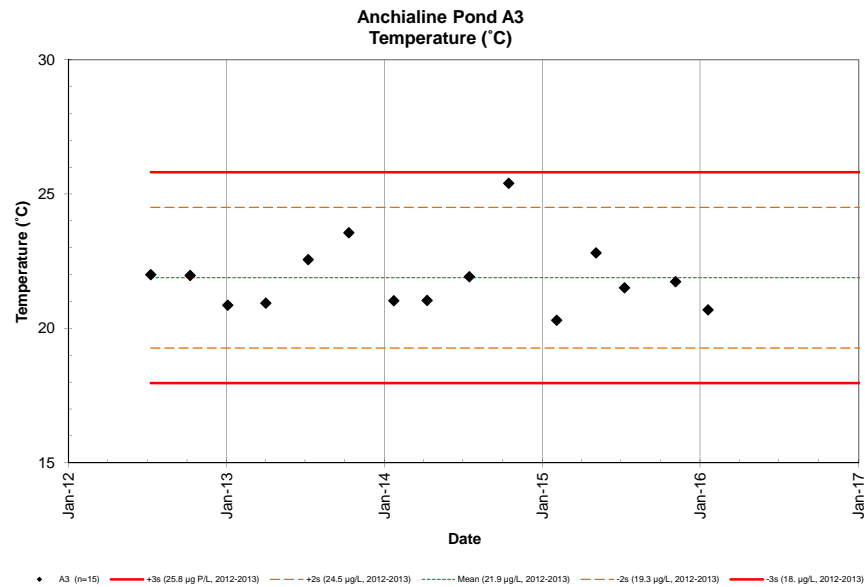
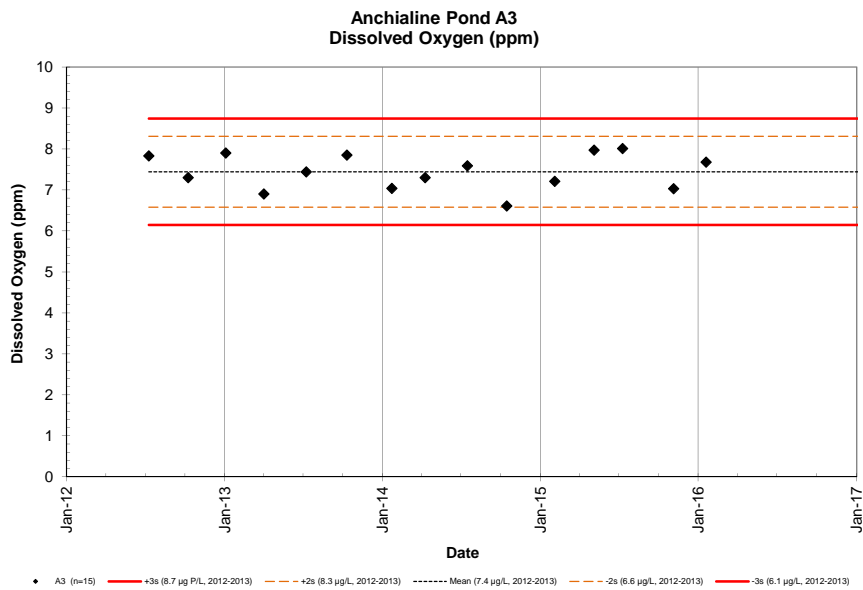
7/9/2012 - 4/4/2016



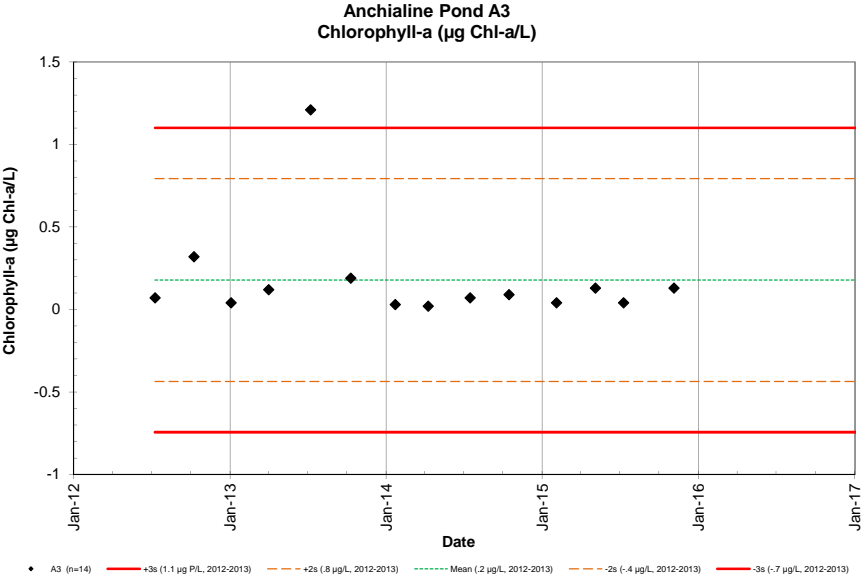
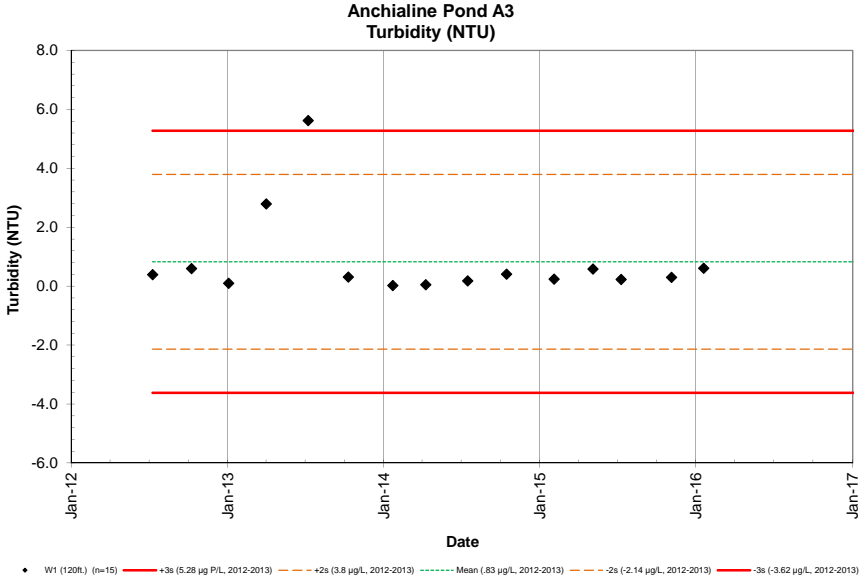
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 Anchialine Pond A3
 7/9/2012 - 4/4/2016



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 Anchialine Pond A3
 7/9/2012 - 4/4/2016



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 Anchialine Pond A3
 7/9/2012 - 4/4/2016

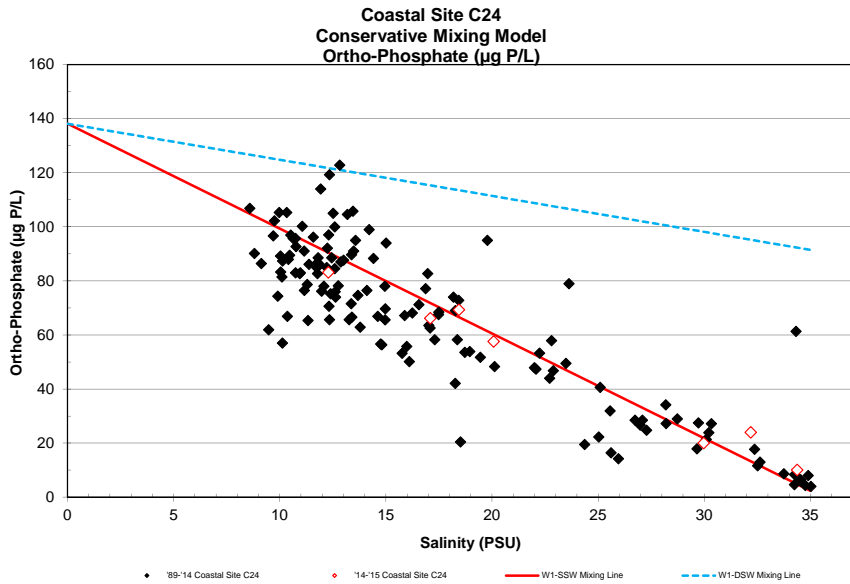
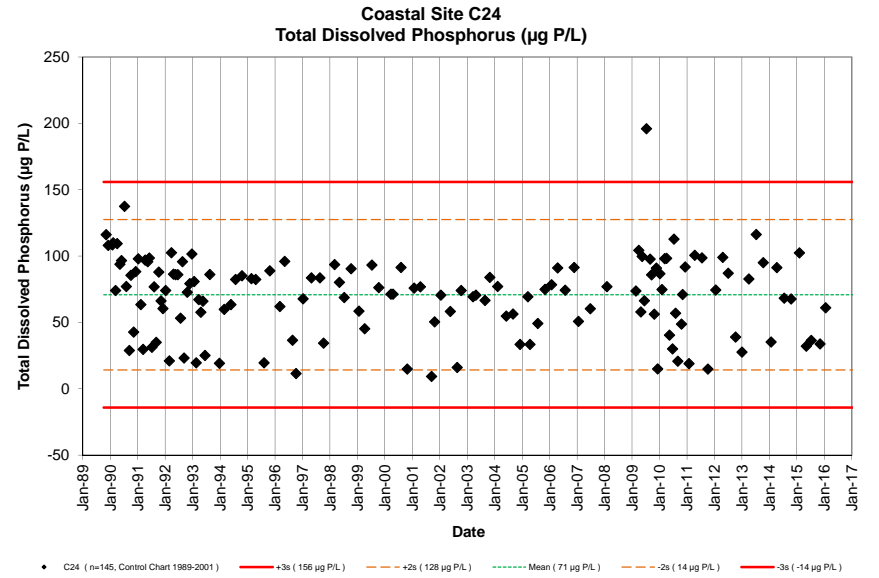
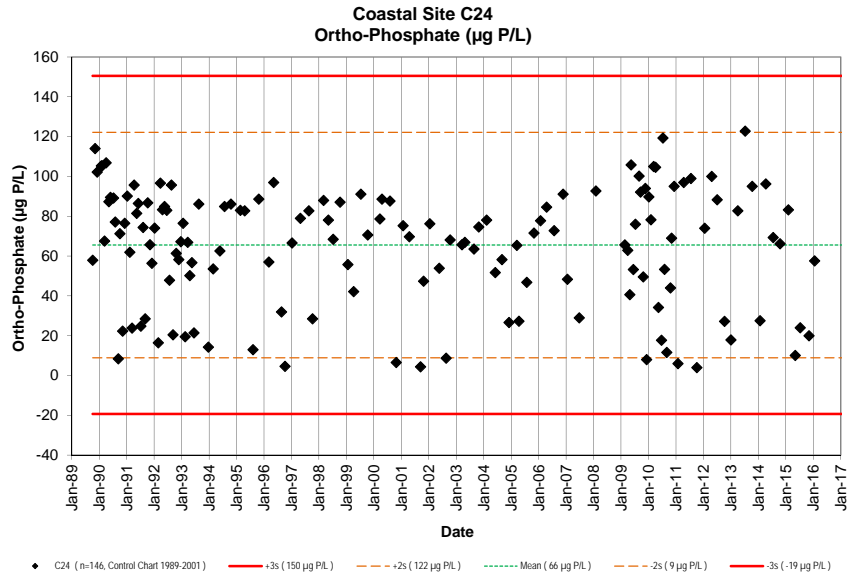


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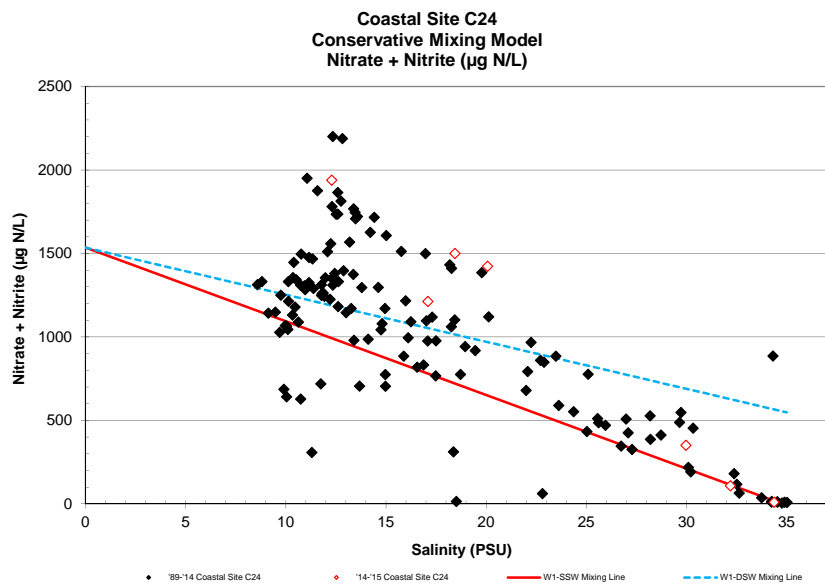
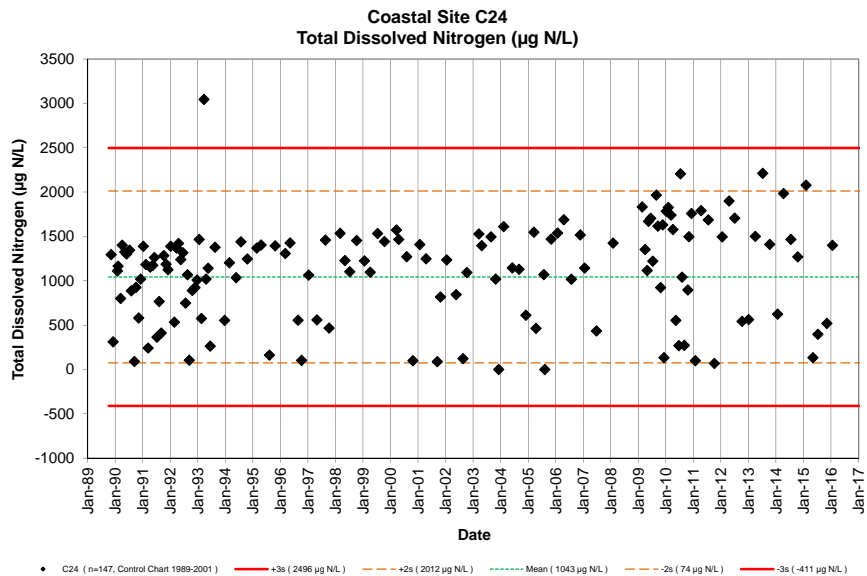
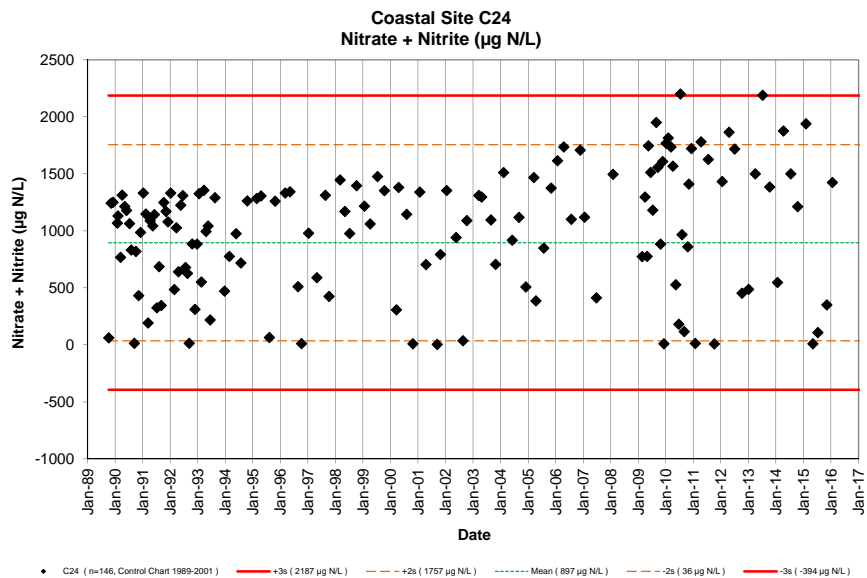
Coastal Site C24

10/6/1989 - 4/4/2016

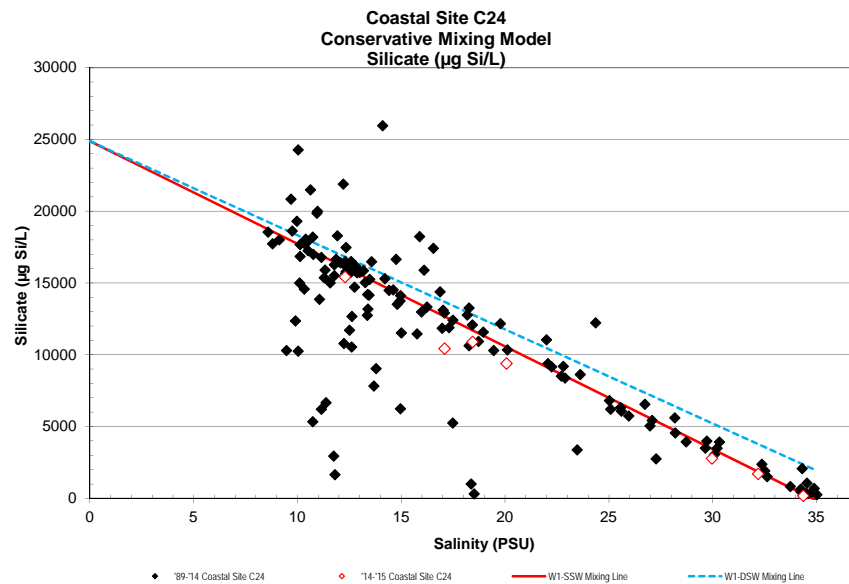
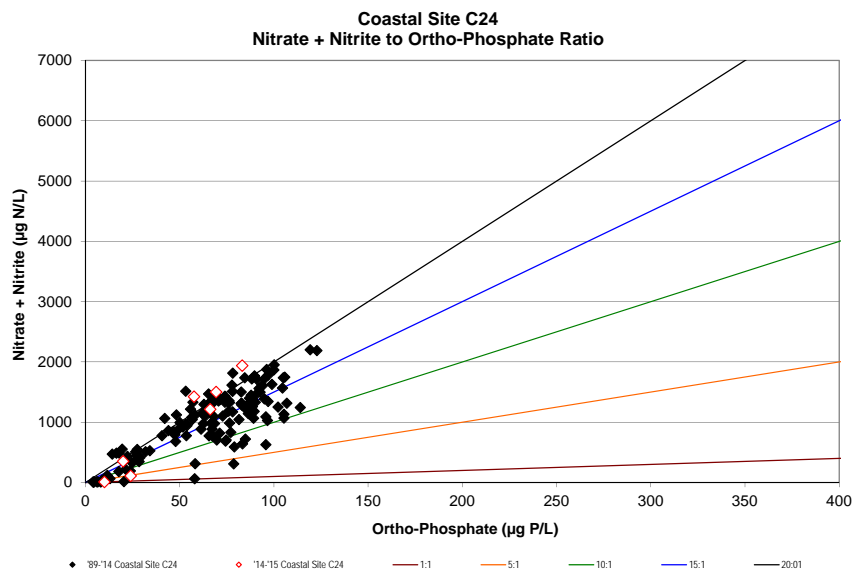
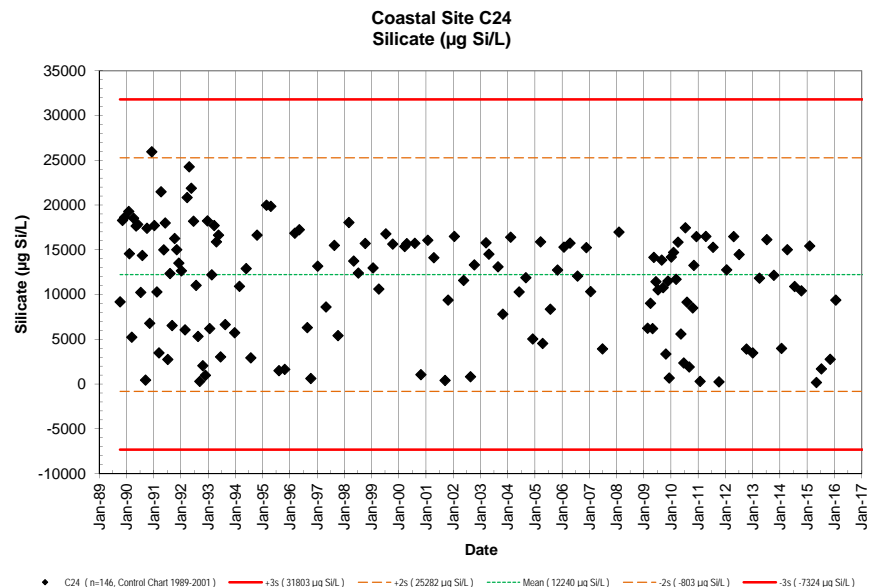
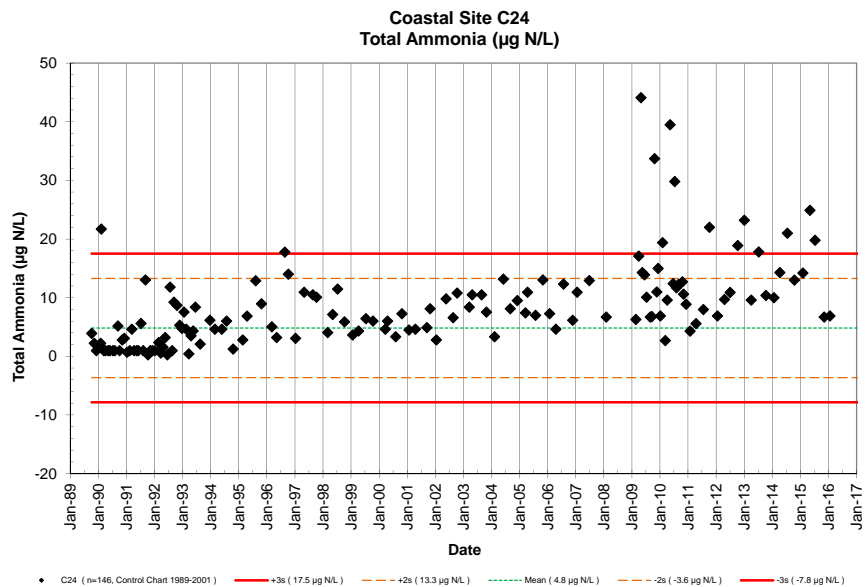
SITE ID	DATE M/D/Y	TIME (2400)	TIDE		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	TEMP (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)	Fecal Col. CFU/100ml	Entero. CFU/100ml
			(ft)	cycle	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)									
C24	8/27/09	822	1.8	High	3.2	100	139	1951	0.5	7	493	13854	3.2	98	140	1966		0.22	11.06	22.3	8.16	6.11	0.08		
C24	9/17/09	906	0.2	Flood	3.0	92	111	1559	0.5	7	384	10788	2.8	86	115	1615		0.29	12.24	22.5	8.32	6.03	0.23		
C24	10/22/09	908	1.9	Ebb	1.6	50	63	885	2.4	34	120	3368	1.8	56	66	924		0.54	23.48	23.8	7.96	6.42	1.57		
C24	11/19/09	1010	1.7	Ebb	3.0	94	115	1608	0.8	11	410	11515	2.9	91	116	1630		0.21	15.01	22.4	7.89	5.62	0.51		
C24	12/7/09	754	2.0	High	0.3	8	1	10	1.1	15	24	688	0.5	15	9	133		0.24	34.89	24.8	8.19	6.52	0.76		
C24	1/4/10	1343	0.0	Low	2.9	90	126	1768	0.5	7	505	14189	2.8	87	127	1784		0.50	13.38	21.9	7.70	7.18	1.26		
C24	2/2/10	1329	-0.2	Low	2.5	78	130	1814	1.4	19	524	14707	2.4	75	130	1827		0.55	12.75	21.9	7.79	6.91	0.55		
C24	3/10/10	1245	0.7	High	3.4	105	124	1736	0.2	3	417	11703	3.2	98	124	1740		0.44	12.51	21.8	7.99	6.50	0.64		
C24	4/5/10	947	0.4	High	3.4	105	112.0	1568	0.7	10	564	15850	3.2	98	113	1578		0.11	13.18	21.8	8.10	7.53	0.06		
C24	5/12/10	1224	1.5	Flood	1.1	34	37.7	528	2.8	40	200	5605	1.3	40	39	553		0.17	28.18	26.1	8.20	6.40	0.07		
C24	6/21/10	959	1.3	Flood	0.6	18	13.0	182	0.9	12	84	2369	1.0	30	19	268		0.25	32.37	25.7	8.29	7.58	0.45		
C24	7/12/10	951	-0.1	Low	3.9	119	157.2	2201	2.1	30	622	17471	3.6	113	158	2207		0.42	12.34	22.6	7.94	6.07	0.08		
C24	8/2/10	1205	1.3	Ebb	1.7	53	69.1	967	0.8	12	326	9160	1.8	57	74	1041		0.91	22.24	26.3	8.20	7.40	0.26		
C24	9/1/10	1038	1.8	Flood	0.4	12	8.4	117	0.9	12	68	1910	0.7	21	19	272		0.16	32.51	27.2	8.31	8.25	0.18		
C24	10/19/10	1100	1.1	Flood	1.4	44	61.4	860	0.9	13	303	8510	1.6	49	64	896		0.20	22.71	24.6	8.28	8.22	0.18		
C24	11/3/10	935	0.5	Low	2.2	69	100.7	1411	0.8	11	472	13259	2.3	71	107	1497		0.64	18.27	23.4	8.16	7.45	0.12		
C24	12/6/10	918	0.8	Ebb	3.1	95	122.9	1722	0.6	9	587	16477	3.0	92	125	1758		0.06	13.57	21.9	7.94	6.68	0.09		
C24	1/26/11	953	0.8	Ebb	0.2	6	0.9	13	0.3	4	11	313	0.6	19	7	99		0.46	34.53	25.3	8.23	6.36	0.17		
C24	4/13/11	936	0.3	Flood	3.1	97	127.2	1781	0.4	6	587	16493	3.2	101	128	1791		0.48	12.30	22.1	8.07	7.60	0.17		
C24	7/18/11	900	0.7	Ebb	3.2	99	116.2	1627	0.6	8	545	15293	3.2	99	120	1686		0.27	14.21	21.9	7.89	7.23	0.12		
C24	10/5/11	936	1.4	Flood	0.1	4	0.6	9	1.6	22	9	248	0.5	15	5	68		0.07	35.02	27.0	8.17	6.82	0.21		
C24	1/17/12	810	0.7	Flood	2.4	74	102.3	1433	0.5	7	455	12771	2.4	74	107	1494		0.23	18.18	21.8	7.94	7.09	0.06		
C24	4/19/12	1028	0.3	Flood	3.2	100	133.2	1866	0.7	10	587	16487	3.2	99	136	1900		0.07	12.59	21.7	7.97	7.23	0.02		
C24	7/1/12	1058	1.2	Ebb	2.9	88	122.6	1718	0.8	11	516	14484	2.8	87	122	1706		0.10	14.41	22.4	8.03	8.01	0.03		
C24	10/8/12	1026	1.8	High	0.9	27	32.4	454	1.3	19	139	3917	1.3	39	39	542		0.20	30.33	26.7	8.24	7.64	0.10		
C24	1/1/13	1028	1.2	Ebb	0.6	18	34.8	488	1.7	23	125	3498	0.9	28	40	563		0.09	29.65	24.8	8.24	6.63	0.17		
C24	4/1/13	1008	0.4	Ebb	2.7	83	107.1	1500	0.7	10	421	11837	2.7	83	107	1501		1.26	16.97	22.4	8.11	8.12	0.11		
C24	7/8/13	937	-0.1	Low	4.0	123	156.3	2189	1.3	18	575	16139	3.8	116	158	2212		0.84	12.82	21.9	7.83	6.63	0.02		
C24	10/10/13	1036	1.8	Ebb	3.1	95	99.0	1386	0.7	10	433	12161	3.1	95	101	1411		0.13	19.78	23.8	8.08	7.47	0.07		
C24	1/22/14	845	0.7	High	0.9	28	39.1	548	0.7	10	142	3989	1.1	35	45	624		0.02	29.72	23.9	8.02	6.35	0.12		
C24	4/9/14	1024	0.7	Flood	3.1	96	133.9	1876	1.0	14	534	15012	2.9	91	142	1985		0.40	11.58	22.6	7.92	7.25	0.06		
C24	7/16/14	1042	0.5	Ebb	2.2	69	107.1	1501	1.5	21	388	10899	2.2	68	105	1466		0.17	18.44	24.5	8.05	7.29	0.25		
C24	10/15/14	1213	1.5	Ebb	2.1	66	86.6	1213	0.9	13	371	10431	2.2	68	91	1271		0.10	17.09	25.0	8.17	7.49	0.06		
C24	2/3/15	900	0.5	Ebb	2.7	83	138.5	1940	1.0	14	549	15422	3.3	102	148	2079		0.35	12.29	22.2	8.13	7.30	0.09		
C24	5/5/15	1552	2.0	High	0.3	10	0.7	10	1.8	25	6	177	1.0	32	10	134		0.35	34.37	26.5	8.16	7.10	0.26		
C24	7/10/15	1035	1.4	Flood	0.8	24	7.8	109	1.4	20	60	1695	1.2	37	28	397		0.36	32.19	27.8	8.16	8.00	0.18		
C24	11/5/15	946	1.3	Flood	0.6	20	25.1	351	0.5	7	99	2784	1.1	34	37	520		0.16	29.97	27.3	8.24	7.55	0.37		
C24	1/19/16	1007	-0.2	Low	1.9	58	101.7	1424	0.5	7	335	9395	2.0	61	100	1400		0.28	20.07	23.8	8.19	7.17			
C24	5/1/16																								



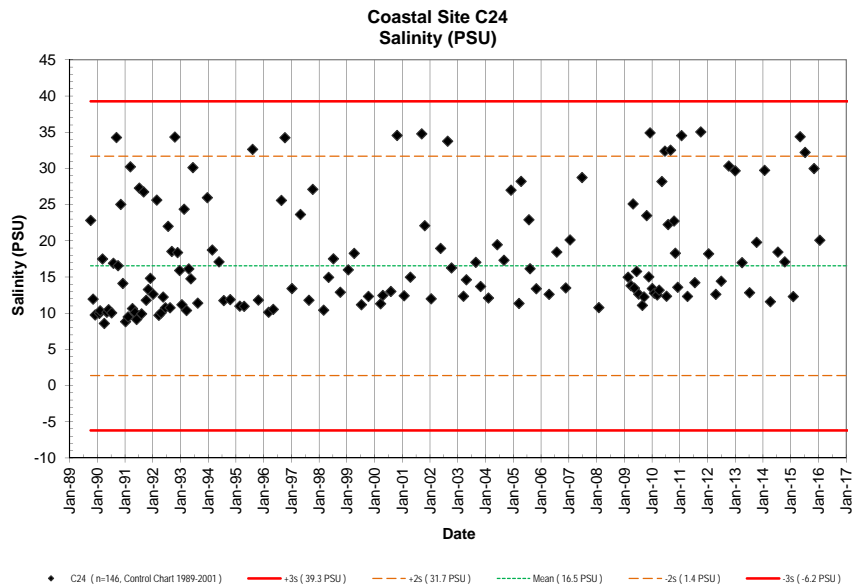
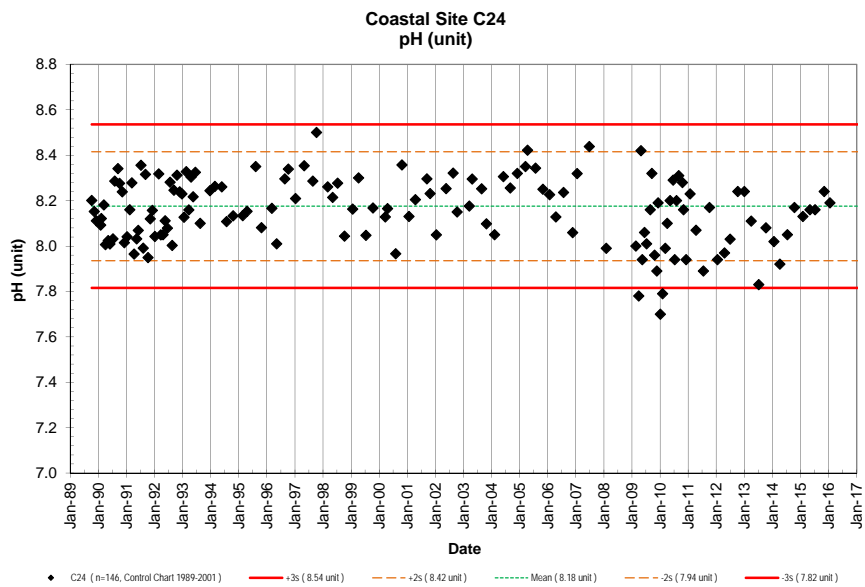
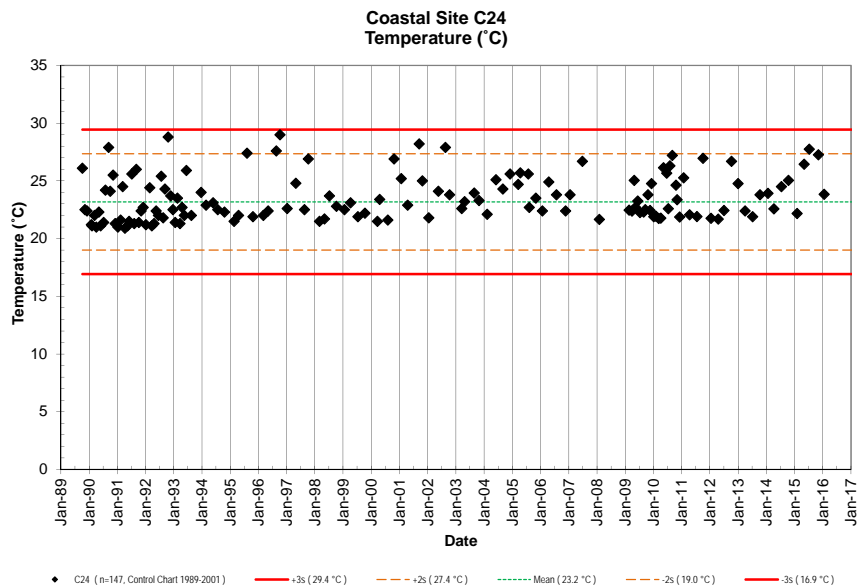
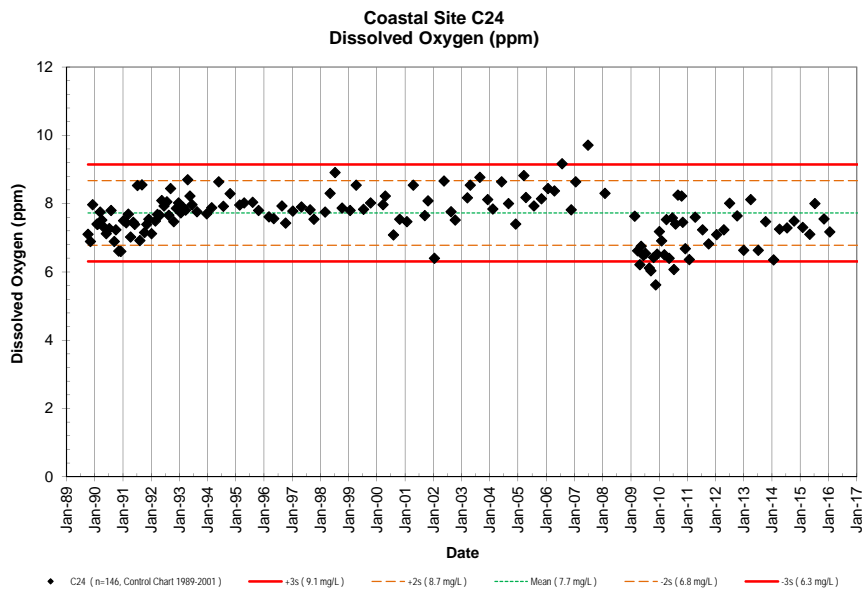
NELHA Water Quality Laboratory
 Coastal Site C24
 10/6/1989 - 4/4/2016



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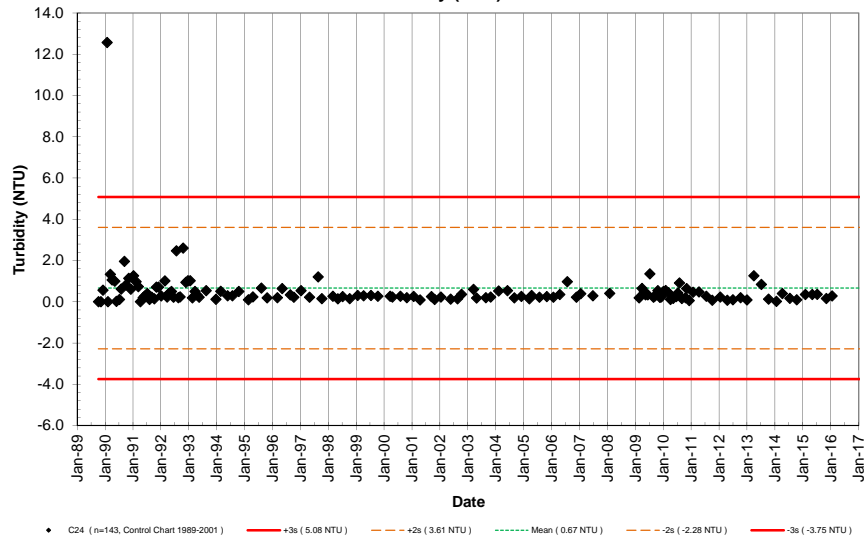


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 Coastal Site C24
 10/6/1989 - 4/4/2016

Coastal Site C24
 Turbidity (NTU)



Coastal Site C24
 Chlorophyll-a ($\mu\text{g Chl-a/L}$)

