

NELHA Water Quality Laboratory

Anchialine Pond A2

8/31/1993 - 6/30/2025

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)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (PSU)	Chloride (mg/L)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)	ORP (mv)
A2	8/31/93	950	0.3 Low	3.4 105	10.0 140	0.05 0.7	731 20519	3.4 105	137 1919	0.04	7.453	4125	21.4	8.01	8.06	0.00	
A2	10/26/93	939	0.7 Flood	3.8 118	113 1579	0.31 4.3	663 18621	3.8 118	126 1769	0.37	6.742	3732	21.5	8.02	7.98	0.01	
A2	2/8/94	818	0.4 Ebb	3.4 106	101 1417	0.01 0.1	658 18480	3.4 107	112 1575	0.06	7.712	4269	20.6	8.01	8.24	0.00	
A2	6/27/94	816	0.8 High	3.4 105	103 1439	0.22 3.1	704 19772	3.4 105	110 1534	0.09	7.773	4303	21.0	8.01	8.20	0.00	
A2	7/26/94	938	0.8 Ebb	3.4 105	106 1484	0.10 1.4	618 17357	3.4 106	116 1631	0.05	7.667	4244	21.3	7.99	8.25	0.00	
A2	10/17/94	1021	0.6 Low	3.4 106	110 1546	0.25 3.5	664 18643	3.5 107	64.0 897	0.08	7.306	4044	21.4	8.03	8.42	0.03	
A2	2/15/95	1023	0.1 Low	3.4 104	116 1621	0.07 1.0	664 18643	3.4 104	106 1489	0.06	7.826	4332	20.8	8.06	8.27	0.01	
A2	4/26/95	1117	0.5 Flood	3.5 109	108 1514	0.27 3.8	659 18511	3.5 109	117 1640	0.05	6.917	3829	22.6	8.05	8.40	0.01	
A2	8/23/95	1100	1.0 Flood	3.3 101	103 1448	0.38 5.3	674 18941	3.3 103	110 1548	0.06	7.407	4100	21.9	8.03	8.46	0.02	
A2	10/16/95	1002	1.8 High	3.4 106	104 1457	0.38 5.3	669 18795	3.5 107	98.9 1385	0.03	7.808	4322	21.7	8.05	5.03	0.00	
A2	2/26/96	1102	0.7 Ebb	3.4 104	100 1407	0.21 2.9	655 18403	3.4 104	105 1468	0.09	7.522	4164	21.1	8.00	8.15	0.00	
A2	4/1/96	1040	0.3 Flood	3.4 106	106 1483	0.33 4.6	659 18494	3.4 106	106 1485	0.04	7.301	4041	21.7	7.99	8.37	0.00	
A2	7/16/96	1010	0.2 Low	3.4 106	110 1537	0.26 3.6	697 19571	3.5 108	116 1630	0.07	7.102	3931	21.8	8.03	8.28	0.00	
A2	10/8/96	1054	1.3 Flood	3.5 107	112 1562	0.38 5.3	657 18451	3.5 109	89.9 1260	0.06	7.102	3931	22.1	8.01	7.81	0.75	
A2	1/15/97	919	1.3 High	3.4 104	95.2 1333	0.12 1.7	650 18264	3.4 104	112 1567	0.06	6.351	3515	21.2	8.02	8.21	0.00	
A2	4/30/97	947	0.6 Flood	5.7 176	107 1497	0.20 2.8	528 14835	5.7 177	111 1550	0.09	6.904	3822	21.4	8.03	8.03	0.00	
A2	7/14/97	1155	1.6 Flood	3.5 107	112 1569	0.19 2.7	660 18548	3.6 111	120 1680	0.07	6.735	3728	21.6	8.05	8.48	0.00	
A2	10/13/97	1159	1.5 Flood	3.5 108	117 1632	0.18 2.5	666 18716	3.5 108	124 1731	0.06	6.594	3650	22.7	8.16	8.52	0.00	
A2	3/11/98	920	0.2 Low	3.6 111	116 1628	0.15 2.1	668 18761	3.7 115	119 1665	0.06	7.584	4198	21.0	8.01	8.28	0.00	
A2	4/15/98	1101	0.1 Low	3.6 110	121 1691	0.21 2.9	666 18699	3.6 112	123 1718	0.06	7.419	4107	21.5	8.04	8.43	0.00	
A2	7/15/98	751	1.0 Flood	3.6 110	118 1658	0.10 1.4	670 18806	3.6 110	123 1729	0.07	7.638	4228	20.8	8.00	8.24	0.00	
A2	10/14/98	1038	1.8 Flood	3.6 111	127 1776	0.04 0.6	684 19213	3.6 112	134 1883	0.07	7.132	3948	22.5	8.01	8.92	0.03	
A2	3/3/99	905	0.6 Ebb	3.4 104	113 1583	0.17 2.4	651 18284	3.4 104	123 1729	0.08	8.498	4704	20.9	7.98	8.80	0.05	
A2	4/14/99	903	-0.3 Low	3.5 108	129 1804	0.15 2.1	665 18677	3.5 109	131 1828	0.07	7.456	4127	21.2	8.01	8.34	0.03	
A2	8/24/99	917	0.5 Flood	3.4 105	114 1590	0.26 3.6	771 21657	3.4 105	117 1642	0.09	7.716	4271	21.4	8.03	8.27	0.06	
A2	10/12/99	921	1.2 Ebb	3.3 102	113 1587	0.25 3.5	639 17941	3.4 105	120 1686	0.07	7.809	4322	22.1	8.06	8.14	0.03	
A2	3/1/00	925	0.3 Low	3.4 107	112 1569	0.17 2.4	670 18809	3.0 94	114 1597	0.05	7.926	4387	21.0	8.03	8.08	0.02	
A2	4/24/00	955	0.3 Ebb	3.4 106	119 1660	0.16 2.2	662 18595	3.3 102	118 1659	0.04	8.044	4453	21.4	8.04	8.10	0.02	
A2	8/1/00	933	0.1 Ebb	3.3 102	109 1527	0.16 2.2	662 18593	3.4 105	113 1577	0.05	8.565	4741	21.4	7.98	8.02	0.01	
A2	12/20/00	900	0.8 Flood	3.5 108	114 1597	0.19 2.7	675 18958	3.5 108	115 1611	0.06	7.979	4417	21.1	8.02	7.71	0.05	
A2	2/27/01	915	0.8 Ebb	3.4 104	112 1566	0.09 1.3	667 18733	3.4 105	113 1589	0.07	8.240	4561	21.1	7.96	7.57	0.03	
A2	5/9/01	917	-0.1 Ebb	3.2 100	110 1542	0.18 2.5	641 17994	3.4 105	111 1556	0.04	8.235	4558	21.4	8.00	8.22	0.02	
A2	9/11/01	1000	2.0 Flood	3.3 103	122 1705	0.26 3.6	647 18166	3.2 99	129 1803	0.09	7.613	4214	22.5	8.01	8.21	0.15	
A2	10/31/01	1054	0.5 Flood	3.6 112	119 1665	0.38 5.3	667 18719	3.6 112	116 1624	0.06	7.827	4332	21.7	7.98	8.19	0.09	
A2	1/15/02	910	1.0 Ebb	3.4 105	116 1629	0.13 1.8	668 18761	3.3 102	115 1609	0.04	8.157	4515	21.0	7.98	7.65	0.02	
A2	5/28/02	927	0.9 Ebb	3.4 105	118 1646	0.12 1.7	673 18887	3.4 105	113 1576	0.05	8.386	4642	21.3	7.99	8.22	0.03	
A2	9/17/02	940	0.9 Flood	3.5 109	130 1814	0.11 1.5	675 18958	3.3 103	117 1640	0.05	7.836	4337	21.9	8.02	8.14	0.06	
A2	12/16/02	955	0.6 Flood	3.3 102	126 1768	0.19 2.7	675 18966	3.6 110	113 1576	0.06	7.994	4425	21.3	7.97	8.35	0.06	
A2	1/30/03	950	0.2 Ebb	3.3 102	134 1881	0.73 10.2	687 19298	3.5 109	167 2336	0.05	8.143	4507	21.1	8.00	8.16	0.04	

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Anchialine Pond A2

8/31/1993 - 6/30/2025

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)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (PSU)	Chloride (mg/L)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)	ORP (mv)
A2	5/28/03	907	0.0 Flood	3.6 112	127 1784	0.23 3.2	653 18343	3.7 115	148 2067	0.07	8.099	4483	21.4	8.04	8.47	0.11	
A2	9/18/03	915	1.6 Flood	3.4 104	126 1762	0.40 5.6	666 18705	3.6 112	129 1805	0.05	8.152	4512	22.7	7.97	8.26	0.01	
A2	11/6/03	856	0.5 Ebb	3.7 113	127 1776	0.80 11.2	664 18649	3.7 113	153 2147	0.04	8.294	4591	21.2	7.99		0.05	
A2	11/14/03	1407	0.6 Ebb										21.4		8.12		
A2	1/29/04	853	0.9 Ebb	3.3 102	115 1607	1.71 24.0	704 19758	3.3 102	128 1787	0.07	8.927	4941	20.8	7.96	7.70	0.05	
A2	6/1/04	927	-0.1 Flood	3.4 104	125 1748	0.39 5.5	655 18399	3.5 108	129 1808	0.37	8.37	4633	22.1	8.00	8.28	0.01	
A2	9/29/04	936	0.5 Ebb	3.3 102	127 1776	0.29 4.1	637 17885	3.3 103	131 1835	0.04	8.71	4821	21.9	7.99	8.07	0.04	
A2	12/2/04	1010	1.7 Ebb	3.3 102	127 1784	0.45 6.3	642 18022	3.3 103	135 1888	0.13	9.16	5070	22.2	8.12	8.92	0.12	
A2	1/19/05	955	0.6 Flood	3.4 107	128 1793	0.34 4.8	680 19098	3.6 112	142 1989	0.55	8.382	4640	21.2	8.05	8.24	0.10	
A2	5/31/05	948	0.8 Flood	3.2 99	129 1812	0.25 3.5	631 17719	3.2 100	133 1861	0.06	9.781	5414	20.6	7.99	8.65	0.02	
A2	8/2/05	920	0.3 Flood	3.3 103	128 1791	2.97 41.6	637 17888	3.5 108	136 1909	0.05	8.982	4972	25.2	8.08	8.06	0.02	
A2	8/8/05	933	0.6 Ebb										22.0				
A2	11/1/05	912	0.5 Ebb	3.2 100	126 1759	0.27 3.8	630 17694	3.4 104	127 1779	0.06	10.225	5660	21.8	7.99	7.89	0.12	
A2	1/30/06	919	1.0 Ebb	3.5 108	122 1710	3.14 44.0	613 17222	3.6 110	125 1754	0.12	10.619	5878	21.5	7.98	7.86	0.04	
A2	5/25/06	930	-0.2 Flood	3.7 113	129 1807	0.28 3.9	607 17048	3.8 119	125 1753	0.14	10.835	5997	21.9	7.99	8.20	0.12	
A2	7/27/06	1047	0.2 Low	3.2 100	126 1765	0.38 5.3	606 17020	3.4 105	111 1561	0.10	11.103	6146	22.2	7.96	8.33	0.11	
A2	10/31/06	920	0.4 Flood	3.2 99	135 1891	0.23 3.2	627 17610	3.3 101	140 1965	0.07	9.333	5166	21.6	7.96	7.95	0.06	
A2	1/17/07	1120	0.3 Flood	3.3 102	146 2045	0.29 4.1	618 17357	3.3 102	127 1781	0.04	10.608	5872	21.4	7.99	8.47	0.03	
A2	6/26/07	910	0.6 Flood	3.4 106	116 1631	0.78 11.0	371 10421	3.4 106	119 1672	0.08	10.301	5702	21.7	8.03	9.55	0.05	
A2	9/24/07	1333	2.0 Flood	3.1 96	125 1757	1.51 21.1	680 19102	3.1 95	131 1838	0.10	9.78	5413	22.4	8.16	9.00	0.37	
A2	12/11/07	1116	0.5 Ebb	2.4 76	86 1206	0.47 6.6	317 8899	3.1 95	98 1369	0.30	6.84	3786	21.4	8.33	6.67	0.19	
A2	1/31/08	1314	0.4 Ebb	1.9 58	89 1244	0.98 13.7	230 6450	2.8 87	120 1678	0.20	9.73	5386	21.1	7.64	6.49	0.30	
A2	2/28/08	1055	0.3 Ebb	3.2 100	132 1855	0.43 6.0	577 16207	2.9 89	130 1815	0.09	10.17	5629	21.0	7.94	6.31	0.10	
A2	4/2/08	1357	1.2 High	1.3 42	59 821	0.73 10.2	309 8677	2.7 84	124 1733	0.13	9.71	5375	21.3	8.08	7.03	0.18	
A2	4/16/08	1428	1.3 Flood	3.1 96	128 1796	0.18 2.5	601 16878	2.6 80	125 1753	0.09	9.88	5469	21.5	8.02	7.95	0.17	
A2	5/23/08	1137	-0.1 Low	2.8 86	130 1820	0.69 9.7	962 27017	2.4 74	139 1951	0.56	10.44	5779	22.4	8.05	7.17		
A2	6/12/08	1009	0.9 Flood	2.4 73	127 1783	0.26 3.6	630 17689	2.4 73	127 1783	0.08	10.43	5773	21.1	8.14	6.43	0.13	
A2	7/18/08	958	-0.1 Low	2.9 89	129.0 1807	0.5 7	623 17503	2.4 74	89 1240	0.03	10.07	5574	21.1	8.07	6.29	0.09	
A2	8/13/08	1129	1.2 Flood	2.8 87	132.2 1852	0.3 4	579 16264			0.22	9.86	5458	22.1	7.96	9.90	0.11	
A2	9/4/08	1151	1.0 Ebb	2.4 73	125.5 1757	0.1 2	545 15294	2.8 88	136 1903	0.06	10.55	5840	21.7	7.90	6.46	0.28	
A2	10/20/08	1144	1.8 Ebb	3.1 95	136.9 1918	0.1 2	569 15974			0.07	10.16	5624	23.3	7.86	7.84	0.15	
A2	11/6/08	1106	1.8 High	3.1 97	130.4 1827	0.2 3	587 16479	2.9 90	136 1909	0.10	10.00	5535	21.3	8.44	7.05	0.59	
A2	1/2/09	1133	0.7 Ebb	4.8 148	155.0 2172	0.1 1	583 16362	3.4 107	133 1858	0.42	10.31	5707	22.3	8.08	7.45	0.04	
A2	1/12/09	1113	0.6 Ebb	3.3 104	146.9 2057	0.1 2	603 16931	0.4 13	132 1852	0.11	9.72	5380	21.9	8.13	7.46	0.35	
A2	2/20/09	1031	0.3 Low	3.0 93	47.0 659	0.2 2	552 15514	2.3 72	144 2022	0.67	10.28	5690	21.5	7.85	7.38	0.25	
A2	3/30/09	1355	0.1 Flood	2.5 77	110.8 1552	0.3 5	387 10877	2.8 86	112 1571	0.12	10.91	6039	22.2	7.81	7.69	0.11	
A2	4/27/09	1340	0.3 Flood	2.9 90	135.6 1900	0.7 10	566 15889	3.6 111	134 1870	0.27	10.69	5917	21.4	8.16	7.57	0.25	
A2	5/14/09	1031	0.4 Flood	3.8 116	131.4 1840	1.0 14	576 16186	3.5 108	128 1788	0.16	10.19	5640	21.4	8.01	7.03	0.02	
A2	6/10/09	931	0.2 Ebb	3.0 92	126.7 1774	0.2 3	527 14808	2.9 89	164 2303	0.06	10.20	5646	22.6	8.70	6.93	0.04	

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Anchialine Pond A2

8/31/1993 - 6/30/2025

Site ID	Date	Time	Tide	PO ₄ ³⁻	NO ₃ ⁻ & NO ₂ ⁻	NH ₄ ⁺ & NH ₃	Si	TDP	TDN	Turbidity	Salinity	Chloride	Temp.	pH	DO	Chl a	ORP
	M/D/Y	(2400)	(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)	(NTU)	(PSU)	(mg/L)	(°C)		(ppm)	(µg/L)	(mv)
A2	7/10/09	1020	0.3 Ebb	1.4 43	60.5 847	0.7 11	246 6915	2.1 65	62 871	0.08	10.67	5906	21.6	8.02	7.11	0.03	
A2	8/27/09	1113	1.8 High	1.9 60	74.0 1036	0.6 9	424 11904	2.1 64	77 1080	0.23	9.83	5441	22.3	7.96	7.28	0.24	
A2	9/17/09	1015	0.2 Flood	3.5 108	139.2 1950	0.4 6	387 10872	3.1 97	153 2140	0.37	10.19	5640	22.2	7.62	7.05	0.09	
A2	10/22/09	956	1.9 Ebb	2.5 77	99.1 1389	0.2 3	78 2180	2.4 74	100 1398	0.16	11.26	6233	22.5	7.82	7.40	0.06	
A2	11/19/09	950	1.7 Ebb	3.6 110	79.0 1107	3.2 45	439 12331	3.4 106	87 1216	0.13	11.17	6183	22.3	7.89	6.37	0.02	
A2	12/7/09	758	2.0 High	3.2 99	120.2 1683	0.7 10	452 12692	3.0 93	124 1735	0.02	11.91	6592	21.3	7.84	6.60	0.07	
A2	1/4/10	1338	0.0 Low	3.3 103	116.2 1627	0.5 7	489 13723	3.0 93	118 1652	0.07	11.3	6255	22.0	8.01	7.03	0.20	
A2	2/2/10	1335	-0.2 Low	3.0 92	112.7 1579	0.8 11	556 15620	2.9 89	115 1610	0.08	10.97	6072	22.0	8.00	7.26	0.24	
A2	3/10/10	1251	0.7 High	3.1 97	117.3 1643	0.3 4	353 9906	2.8 88	117 1634	0.11	11.06	6122	22.4	8.08	7.72	0.53	
A2	4/5/10	942	0.4 High	3.4 105	113.2 1586	0.6 9	608 17082	3.2 100	114 1599	0.05	11.53	6382	21.5	8.03	7.99	0.06	
A2	5/12/10	1234	1.5 Flood	3.2 100	120.4 1686	0.5 7	606 17019	3.1 96	121 1691	0.07	10.45	5784	21.5	7.99	8.10	0.02	
A2	6/21/10	950	1.3 Flood	3.3 101	129.7 1817	1.3 19	651 18279	3.3 102	135 1897	0.08	10.65	5895	21.9	7.96	6.36	0.08	
A2	7/12/10	936	-0.1 Low	3.4 104	125.2 1754	1.1 16	623 17488	3.3 103	137 1918	0.23	11.28	6244	23.1	7.82	7.22	0.07	
A2	8/2/10	1231	1.3 Ebb	3.6 113	141.6 1983	0.6 8	651 18272	3.3 101	141 1979	0.13	10.18	5635	22.2	8.02	7.23	0.06	
A2	9/2/10	1044	1.8 Flood	3.4 105	143.7 2013	0.5 7	622 17458	3.3 102	145 2038	0.05	10.58	5856	22.0	7.98	6.40	0.04	
A2	10/19/10	1055	1.1 Flood	3.4 107	140.7 1970	0.8 12	647 18166	3.2 98	137 1913	0.25	10.43	5773	22.5	7.96	6.94	0.08	
A2	11/3/10	944	0.4 Low	3.4 105	130.6 1829	0.4 6	624 17523	3.3 104	135 1896	0.19	10.44	5779	22.2	8.00	6.22	0.09	
A2	12/6/10	923	0.8 Ebb	3.5 108	131.9 1847	0.6 9	668 18766	3.2 98	133 1869	0.07	10.74	5945	21.7	7.91	7.23	0.09	
A2	1/26/11	957	0.8 Ebb	3.6 110	131.1 1836	1.0 14	583 16365	3.3 101	132 1844	0.11	10.90	6033	21.4	7.88	6.64	0.09	
A2	4/13/11	941	0.3 Flood	3.5 108	143.2 2006	0.5 7	666 18707	3.1 95	139 1943	0.12	10.48	5801	22.0	7.94	6.74	0.14	
A2	7/18/11	908	0.7 Ebb	3.6 111	123.6 1731	0.5 7	612 17178	3.4 106	128 1789	0.14	11.34	6277	21.6	7.93	6.22	0.01	
A2	10/5/11	940	1.5 Flood	3.4 105	120.6 1689	1.1 16	594 16673	3.4 105	125 1746	0.02	11.20	6199	22.1	7.84	6.72	0.02	
A2	1/17/12	814	0.7 Flood	3.2 100	119.9 1679	0.5 7	598 16799	3.0 94	125 1745	0.08	11.89	6581	21.3	7.85	7.03	0.00	
A2	4/19/12	1032	0.3 Flood	3.5 108	128.9 1805	0.7 10	614 17241	3.5 108	133 1865	0.03	11.34	6277	21.7	7.90	6.35	0.01	
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	6205	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	6078	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	6161	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	6299	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	6543	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	6399	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	6432	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	5917	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	6188	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	5856	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	6150	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	5856	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	6310	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	5463	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	0.30	11.09	6139	22.3	7.79	7.31	0.11	

NELHA Water Quality Laboratory

Anchialine Pond A2

8/31/1993 - 6/30/2025

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)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (PSU)	Chloride (mg/L)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)	ORP (mv)
A2	4/12/16	1142	0.2 Ebb	4.3 133	126.5 1772	0.1 2	544 15289	4.4 136	128 1799	0.09	10.42	5768	22.4	8.09	7.07	0.06	
A2	7/14/16	1113	1.4 Flood	4.0 123	137.3 1923	0.2 2	538 15118	3.6 112	132 1845	0.10	11.15	6172	22.8	7.96	7.85	0.07	
A2	10/20/16	1041	1.1 Ebb	6.8 212	236.7 3316	0.2 3	948 26615	6.7 209	240 3356	0.04	11.05	6116	22.7	8.14	6.72	0.01	
A2	2/23/17	1041	0.5 Flood	3.9 121	134.2 1880	0.0 0	595 16704	3.8 116	138 1938	0.07	10.16	5624	21.8	8.00	6.92	0.03	
A2	4/10/17	1019	-0.1 Flood	3.9 122	130.9 1833	1.1 15	575 16158	3.6 113	136 1908	0.05	11.05	6116	22.3	7.94	6.48	0.08	
A2	7/13/17	1044	0.3 Low	3.5 110	137.2 1922	0.2 2.9	590 16567	3.5 107	133 1856	0.07	11.19	6194	22.4	7.95	5.47	0.04	
A2	10/12/17	1021	2.0 High	3.5 109	131.4 1841	0.3 4.2	610 17130	3.6 111	136 1902	0.09	10.26	5679	22.9	8.20	6.57	0.02	
A2	1/11/18	1012	1.0 Flood	2.9 91	118.7 1662	0.0 0.7	481 13502	3.5 108	135 1894	0.06	11.17	6183	21.7	8.01	7.06	0.06	
A2	4/24/18	1021	0.7 Flood	3.5 109	134.5 1884	0.3 4.7	577 16200	3.7 114	137 1922	0.08	11.35	6283	22.3	7.93	7.06	0.09	
A2	7/12/18	948	-0.3 Low	4.0 125	130.9 1833	0.1 1.0	563 15817	4.6 144	136 1901	0.05	10.82	5989	23.0	7.85	6.99	0.08	
A2	10/11/18	944	0.6 Ebb	3.6 111	134.5 1884	0.1 1.9	555 15583	3.5 108	137 1913	0.05	10.70	5923	22.9	7.91	5.22	0.04	
A2	1/15/19	942	1.3 High	3.7 114	128.8 1804	0.0 0.5	519 14583	3.6 113	138 1935	0.05	11.46	6343	21.8	7.96	7.04	0.04	
A2	4/25/19	928	0.5 Ebb	4.0 123	148.0 2074	0.0 0.0	594 16687	3.8 117	151 2121	0.09	10.66	5901	22.4	7.86	6.90	0.06	
A2	7/17/19	925	-0.1 Low	4.4 137	146.1 2047	0.0 0.0	598 16783	4.0 123	138 1936	0.07	10.86	6011	22.8	7.95	6.95	0.06	
A2	10/8/19	1009	1.2 Flood	3.9 120	187.8 2630	0.1 1.7	572 16053	3.6 112	194 2721	0.06	11.03	6105	23.1	8.00	7.61	0.03	
A2	1/9/20	952	0.4 Low	4.2 130	165.4 2317	0.5 7.5	593 16667	4.0 124	166 2329	0.08	12.16	6731	22.3	7.94	6.15	0.01	
A2	5/21/20	1110	0.5 Flood	3.6 111	139.6 1955	0.2 2.7	548 15396	3.5 109	155 2175	0.06	10.85	6006	23.3	7.93	7.05	0.08	
A2	7/14/20	1017	0.4 High	4.6 142	156.0 2185	0.5 6	582 16337	3.6 112	156 2186	0.07	10.20	5646	22.9	7.97	7.16	0.06	
A2	10/14/20	1001	0.2 Flood	4.2 129	151.2 2117	0.5 7	566 15902	3.6 111	155 2168	0.07	11.18	6188	23.1	7.84	7.50	0.11	
A2	1/14/21	921	0.9 Ebb	4.6 143	145.5 2038	0.1 2	533 14963	3.5 109	144 2022	0.13	11.48	6354	22.1	7.86	7.33	0.01	
A2	4/13/21	957	-0.2 Low	3.6 113	154.4 2162	0.1 2	511 14356	3.6 111	144 2016	0.04	11.47	6349	22.2	7.82	7.52	0.05	
A2	7/1/21	1416	0.7 Low	3.6 112	158.1 2214	0.2 3	567 15922	3.8 117	153 2140	0.08	11.78	6521	22.3	7.90	7.76	0.02	
A2	10/19/21	1316	1.7 High	3.6 112	140.0 1961	0.3 5	543 15237	3.2 98	140 1961	0.10	11.69	6471	23.1	7.89	7.78	0.03	
A2	2/3/22	931	0.8 Ebb	3.4 106	136.9 1918	0.2 2.8	525 14738	3.5 107	150 2103	0.07	11.61	6426	21.7	7.79	7.63	0.02	
A2	4/12/22	1040	0.5 Flood	3.2 100	137.2 1922	0.2 2.7	544 15271	3.2 100.2	153 2146	0.15	11.86	6565	23.1	7.94	9.38	0.50	
A2	7/21/22	1041	1.5 High	2.8 86	138.8 1944	0.4 5	521 14634	3.1 95	147 2057	0.13	11.21	6205	22.8	8.09	8.51	0.26	
A2	10/12/22	942	0.2 Low	3.7 115	153.3 2147	0.2 3	535 15018	3.7 113	156 2185	0.10	10.85	6006	22.6	7.90	7.52	0.11	
A2	1/17/23	958	1.0 High	3.6 110	144.5 2024	0.4 5.7	521 14623	3.4 105	154 2157	0.05	10.43	5773	21.7	7.88	7.75	0.13	
A2	4/21/23	1009	-0.2 Flood	3.0 94	159.0 2227	0.2 2.50	554 15548	3.2 99.7	158 2216.8	0.10	11.050	6116	23.1	7.91	8.21	0.25	
A2	7/12/23	1541	1.4 Ebb	3.7 116	164.2 2300	0.3 4	571 16038	3.0 93	159 2222	0.31	9.92	5491	23.4	7.94	8.13	0.05	
A2	10/24/23	1532	1.5 Ebb	3.3 103	173.8 2434	0.5 7	580 16304	3.5 108	168 2354	0.24	9.70	5369	23.3	7.92	7.93	0.08	
A2	1/11/24	1427	1.0 High	3.5 108	165.3 2316	0.3 3.8	544 15286	3.7 114	170 2386	0.24	10.16	5624	22.7	7.93	8.59	0.26	136.6
A2	4/2/24	1454	0.1 Low	3.1 95	167.2 2342	0.5 6.80	563 15824	3.1 94.7	161 2255.2	0.33	10.30	5701	22.0	7.92	8.12	0.07	240.0
A2	7/24/24	951	0.3 Low	3.1 96	154.1 2158	-0.1 -1	515 14461	3.0 92	152 2130	0.13	10.22	5657	22.2	7.90	8.01	0.02	200.7
A2	10/4/24	1000	0.5 Low	3.7 113	164.6 2306	0.3 4	558 15661	3.4 106	161 2258	0.07	10.68	5912	22.4	7.84	7.70	0.04	319.5
A2	1/7/25	922	1.4 High	3.3 103	166.8 2336	0.3 3.6	550 15458	3.2 98	164 2303	0.12	10.70	5923	22.0	7.86	8.31	0.13	254.6
A2	4/1/25	1041	-0.3 Low	3.4 104	141.9 1987	14.90	508 14265	3.3 101.60	139 1952.4	0.69	11.360	6288	23.1	7.88	8.33	0.24	246.2
Mean			0.74	3.44 106	126.4 1770	0.47 7	591 16595	3.37 104.3	130.9 1,833	0.11	9.79	5,420	22.0	7.97	7.58	0.08	232.9

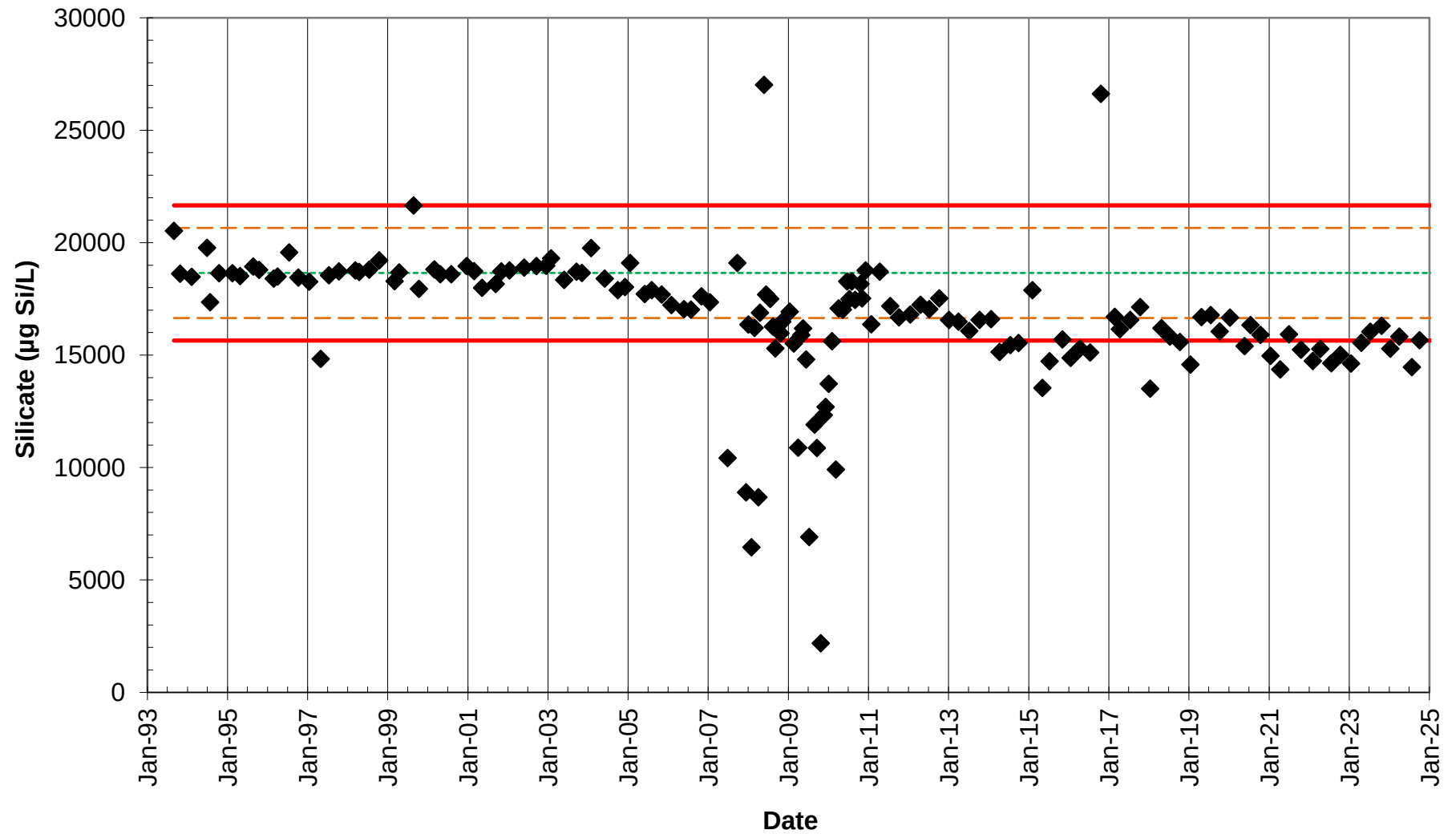
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Anchialine Pond A2

8/31/1993 - 6/30/2025

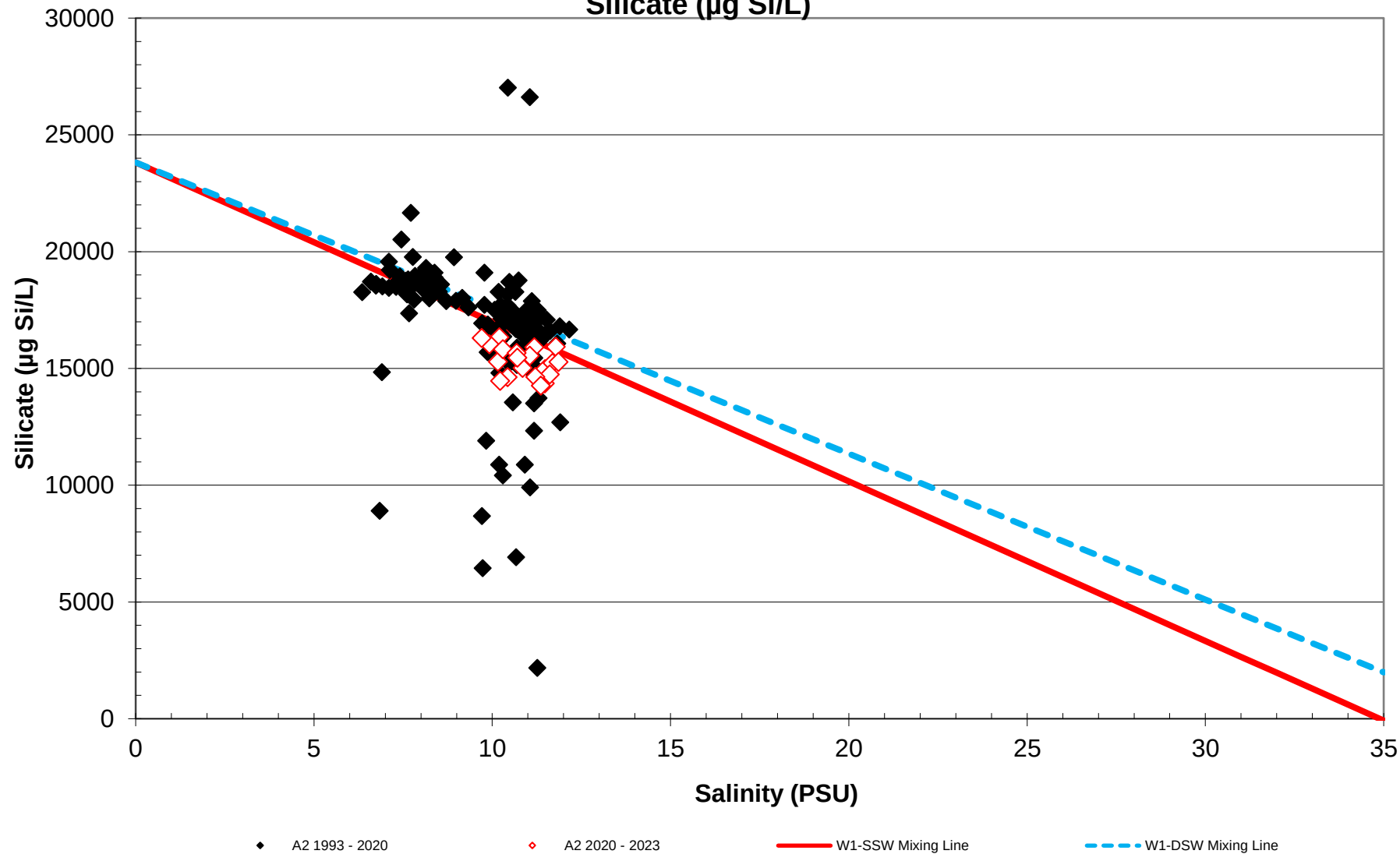
Site ID	Date M/D/Y	Time (2400)	Tide (ft) cycle	PO ₄ ³⁻ (μM) (μg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)	NH ₄ ⁺ & NH ₃ (μM) (μg N/L)	Si (μM) (μg Si/L)	TDP (μM) (μg P/L)	TDN (μM) (μg N/L)	Turbidity (NTU)	Salinity (PSU)	Chloride (mg/L)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)	ORP (mv)
Std. Dev.			1	0.59 18	24.2 339	0.53 7	105 2956	0.57 17.8	21.4 300	0.11	1.53	849	0.7	0.12	0.82	0.11	60.8
Maximum			2.00	6.8 212	237 3316	3.2 45	962 27017	6.7 209	240 3,356	0.69	12.16	6,731	25.2	8.70	9.90	0.75	319.5
Minimum			-0.3	1.35 42	10.0 140	-0.08 -1	77.6 2180	0.4 12.8	62 871	0.02	6.35	3,515	20.6	7.62	5.03	0.00	136.6
n			154	152 152	152 152	151 152	152 152	150 150	150 150	152	152	152	154	152	152	151	6

Anchialine Pond A2 Silicate ($\mu\text{g Si/L}$)

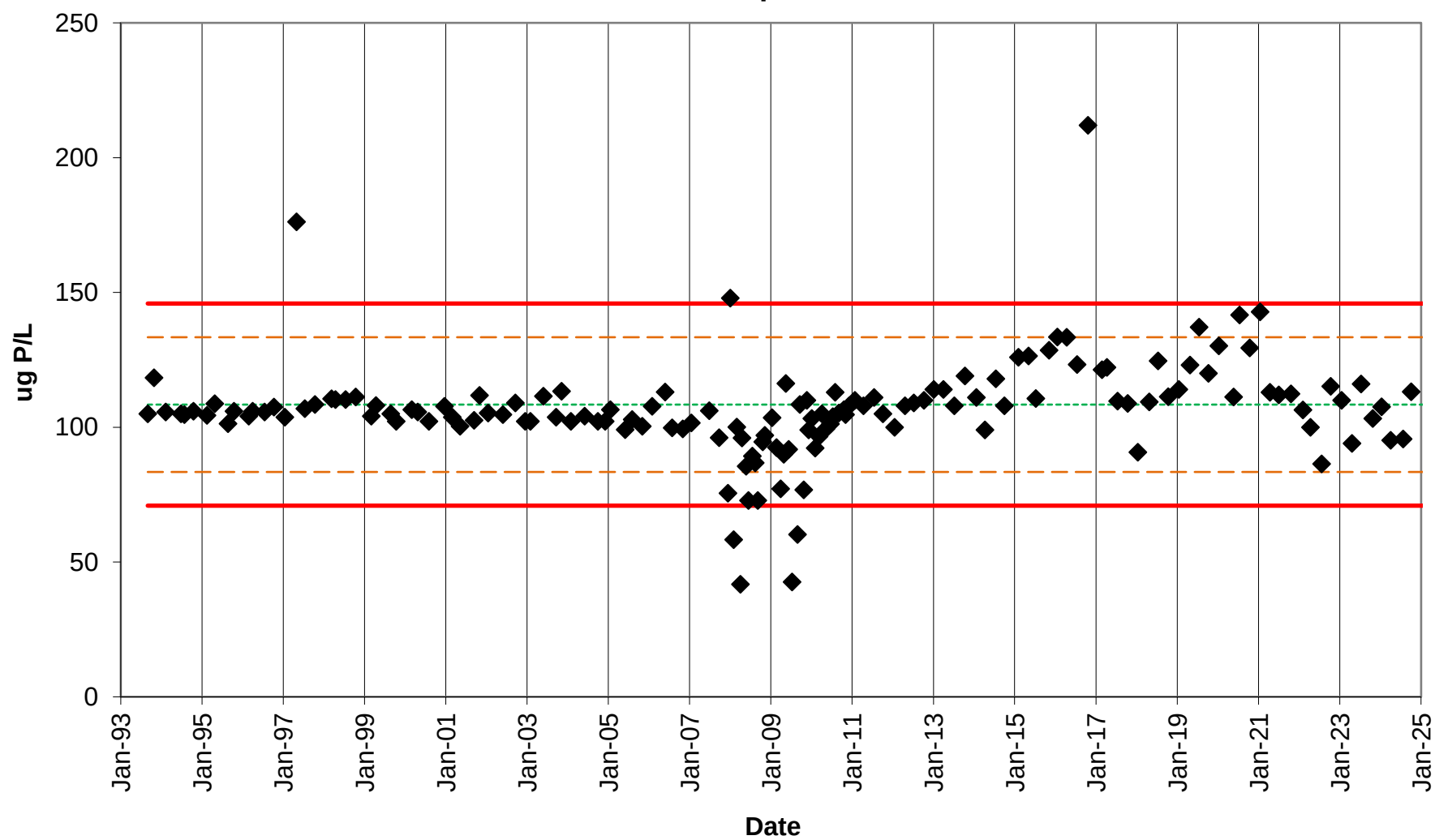


◆ A2 (n=152, Control Chart 1993 - 2001) — +3s (21657 $\mu\text{g Si/L}$) - - +2s (20655 $\mu\text{g Si/L}$) - - - Mean (18652 $\mu\text{g Si/L}$) - - -2s (16649 $\mu\text{g Si/L}$) — -3s (15647 $\mu\text{g Si/L}$)

Anchialine Pond A2
Conservative Mixing Model
Silicate ($\mu\text{g Si/L}$)

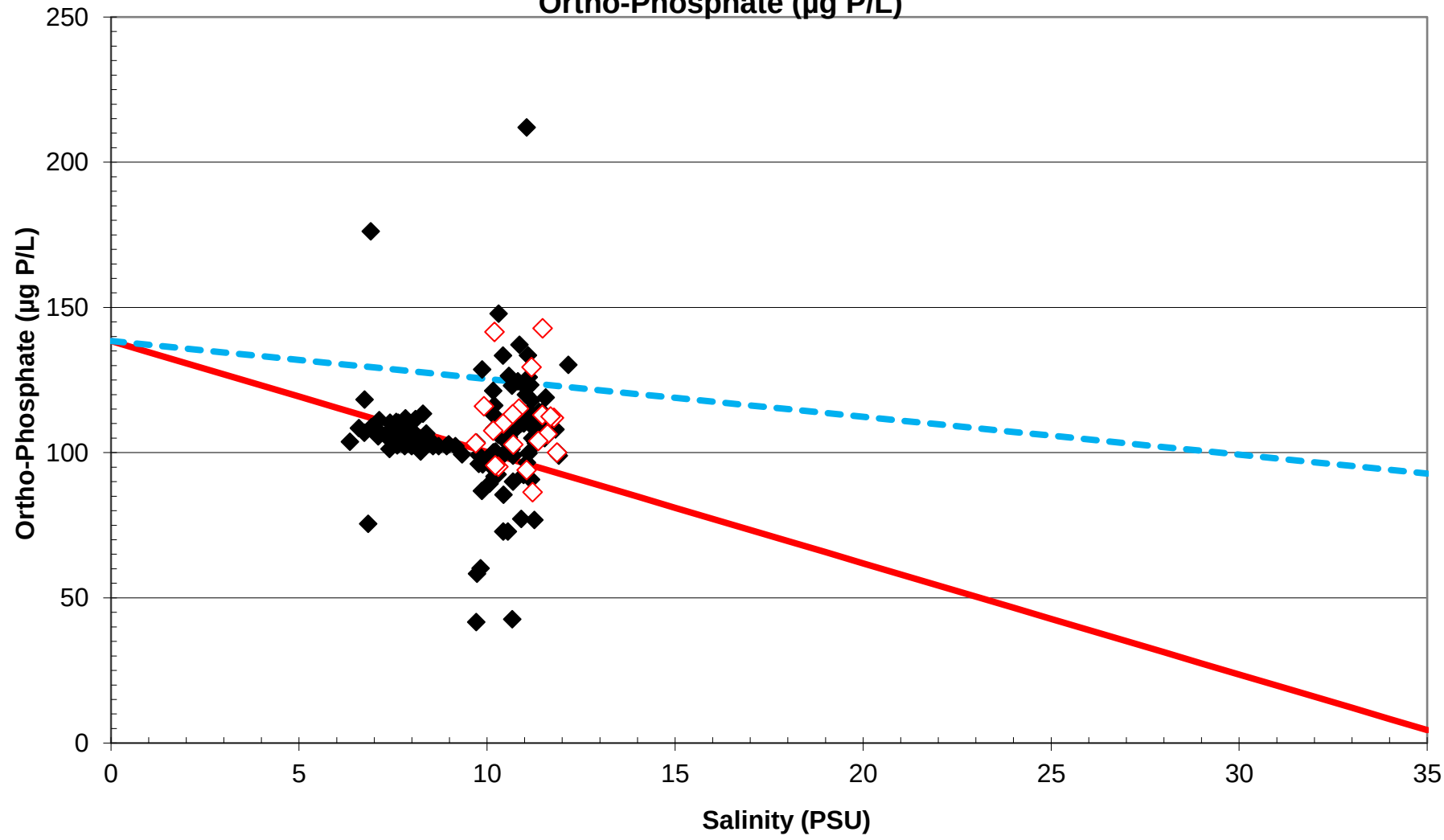


Anchialine Pond A2 Ortho-Phosphate

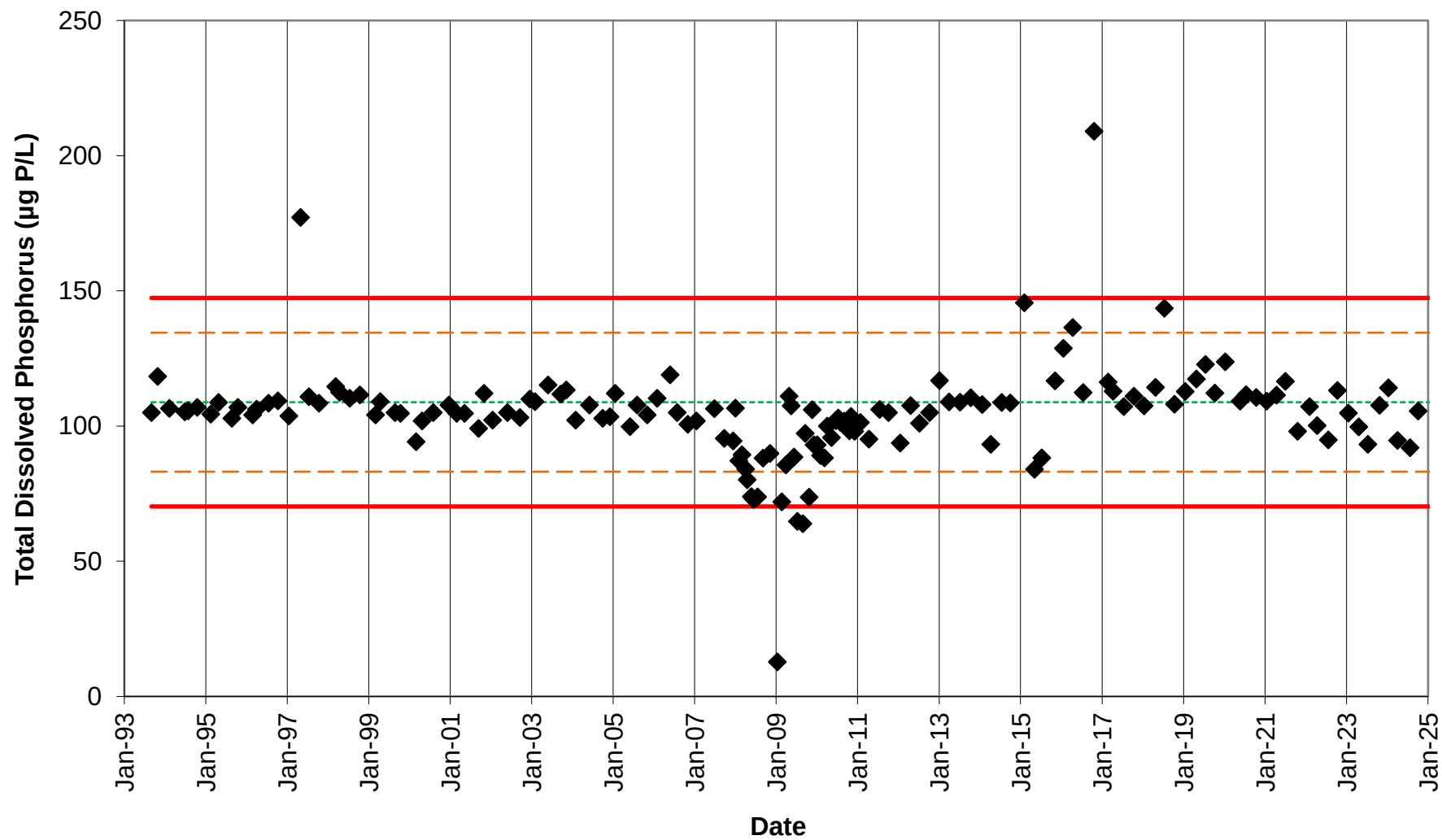


◆ A2 (n=152, Control Chart 1993 - 2001) — +3s (146 µg P/L) - - +2s (133 µg P/L) - - - Mean (108 µg P/L) - - -2s (83 µg P/L) — -3s (71 µg P/L)

Anchialine Pond A2
Conservative Mixing Model
Ortho-Phosphate ($\mu\text{g P/L}$)

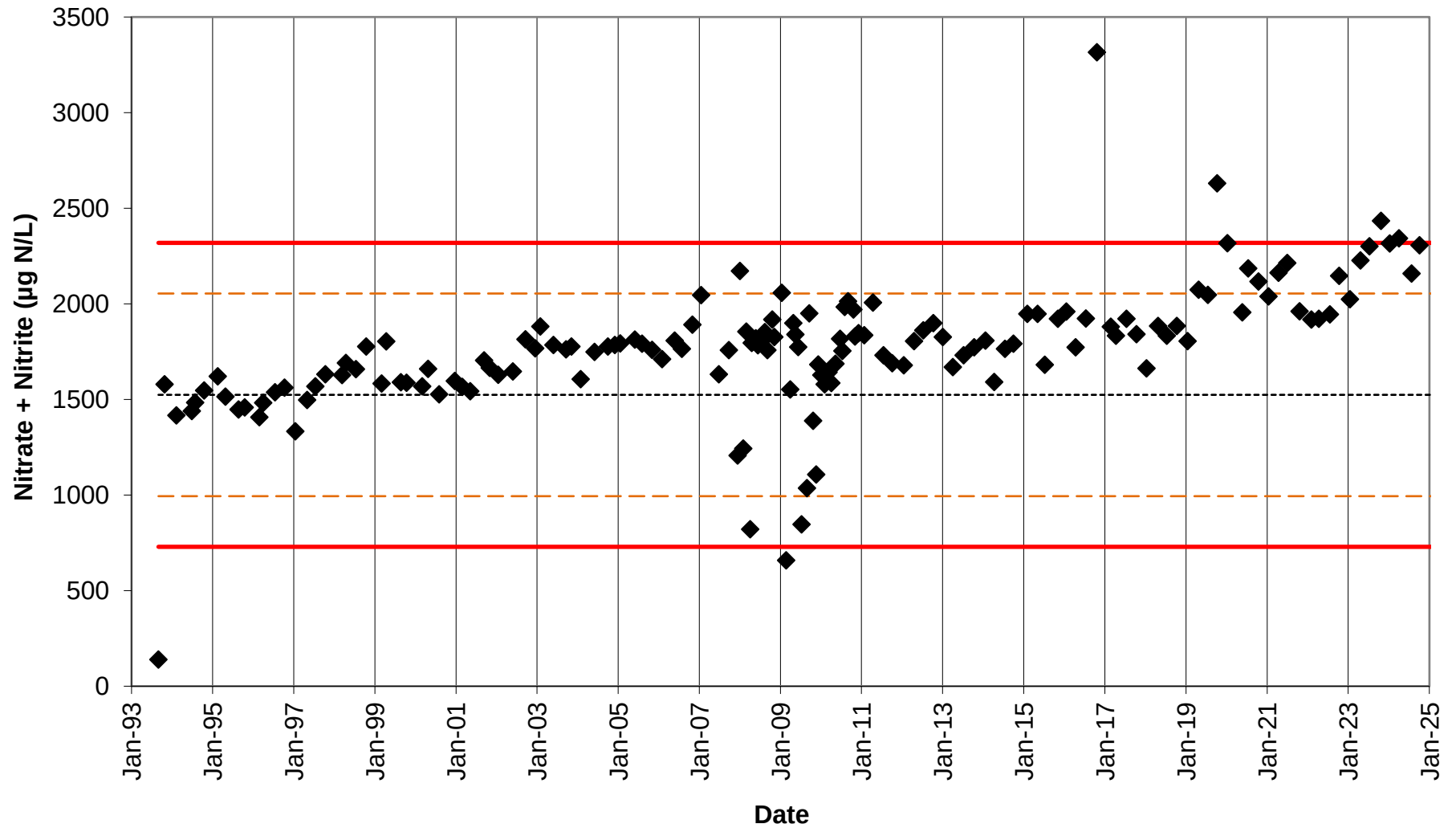


Anchialine Pond A2 Total Dissolved Phosphorus ($\mu\text{g P/L}$)



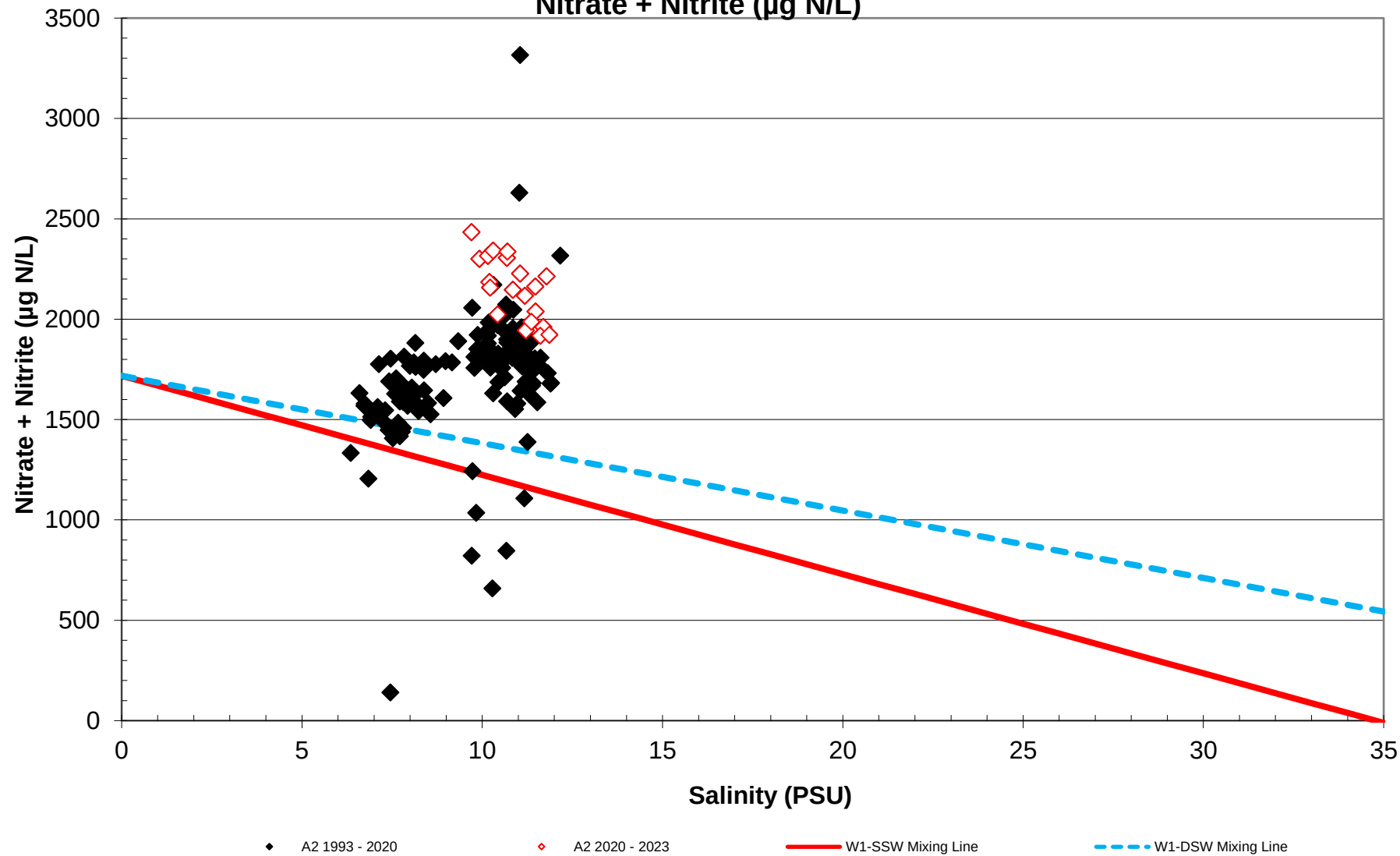
◆ A2 (n=150, Control Chart 1993 - 2001) — +3s (147 $\mu\text{g P/L}$) - - +2s (135 $\mu\text{g P/L}$) - - - Mean (109 $\mu\text{g P/L}$) - - -2s (83 $\mu\text{g P/L}$) — -3s (70 $\mu\text{g P/L}$)

Anchialine Pond A2
Nitrate + Nitrite ($\mu\text{g N/L}$)

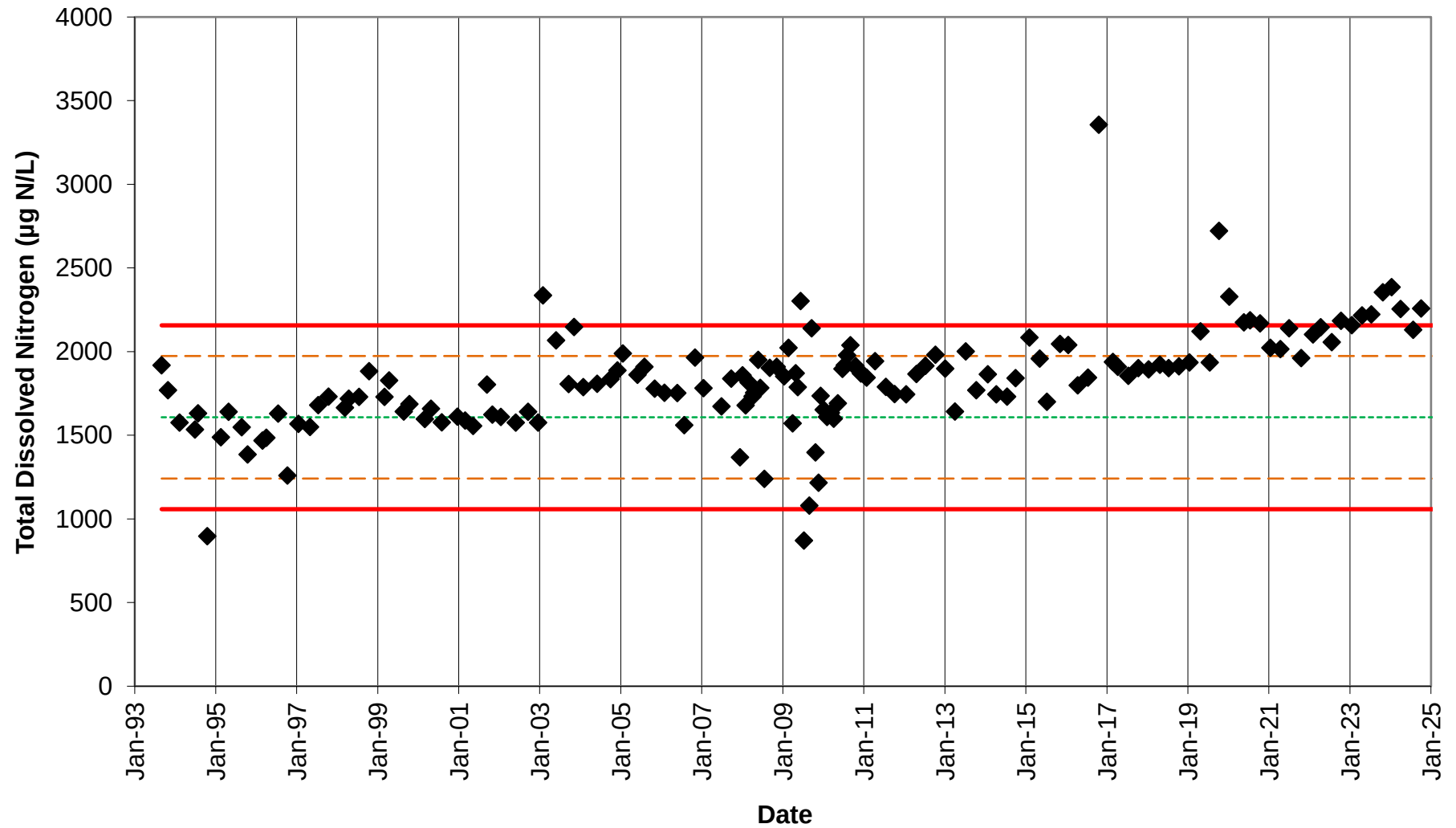


◆ A2 (n=152, Control Chart 1993 - 2001) — +3s (2319 $\mu\text{g N/L}$) - - - +2s (2054 $\mu\text{g N/L}$) - - - - Mean (1524 $\mu\text{g N/L}$) - - - -2s (994 $\mu\text{g N/L}$) — -3s (729 $\mu\text{g N/L}$)

Anchialine Pond A2
Conservative Mixing Model
Nitrate + Nitrite ($\mu\text{g N/L}$)

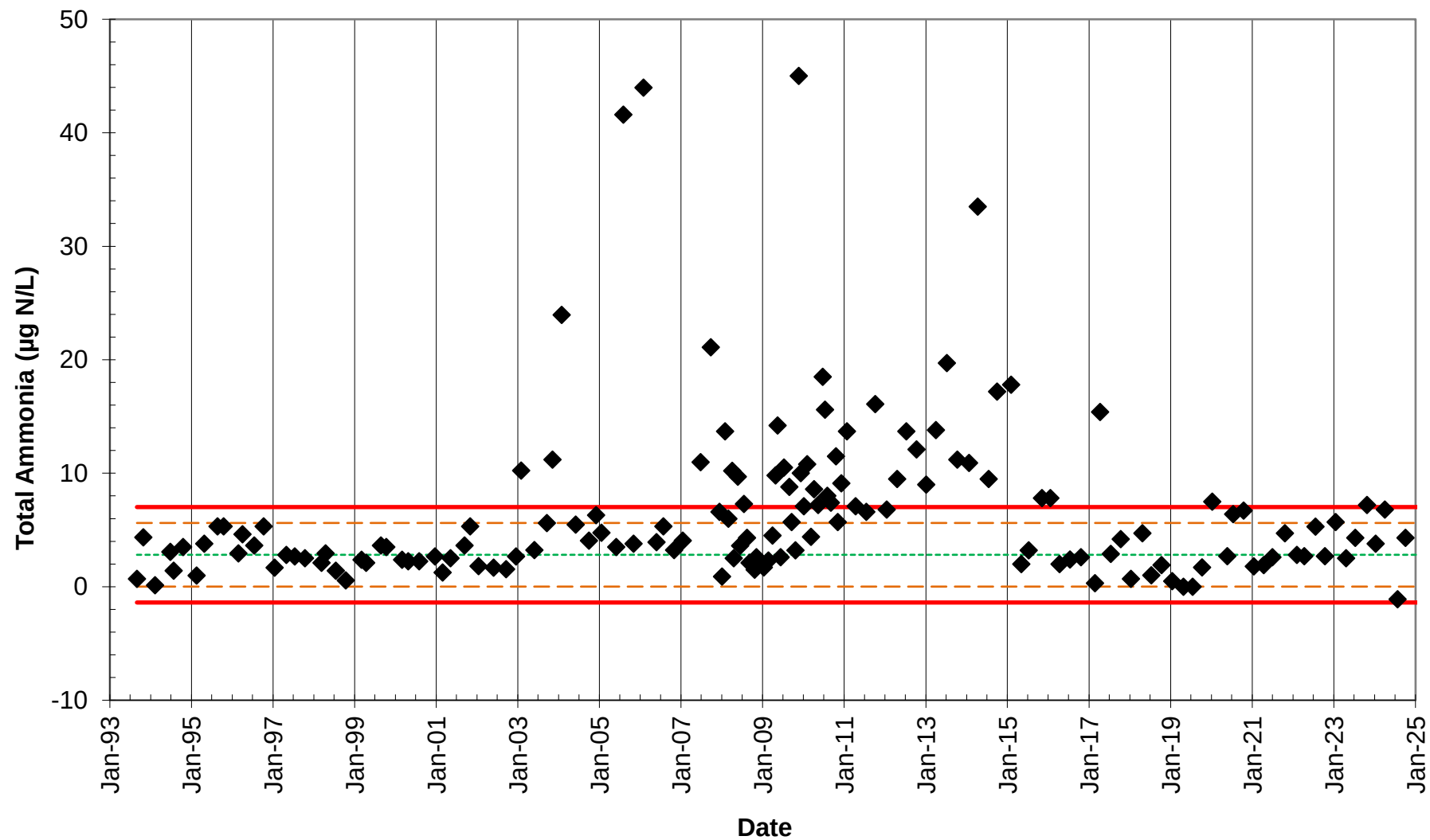


Anchialine Pond A2 Total Dissolved Nitrogen ($\mu\text{g N/L}$)



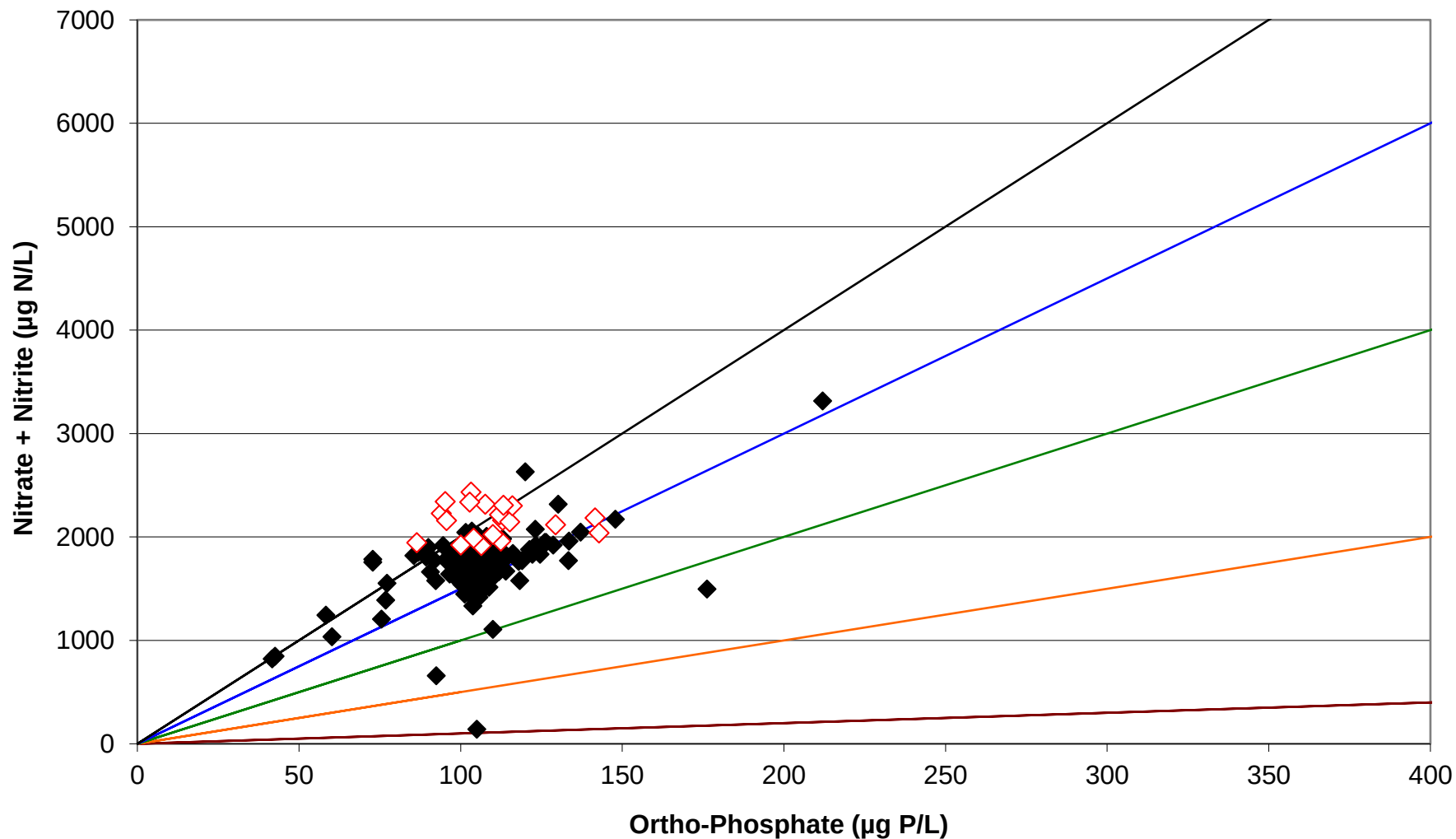
◆ A2 (n=150, Control Chart 1993 - 2001) +3s (2156.9 $\mu\text{g N/L}$) +2s (1973.7 $\mu\text{g N/L}$) - - - - Mean (1607.5 $\mu\text{g N/L}$) - - - - -2s (1241.2 $\mu\text{g N/L}$) - - - - -3s (1058.1 $\mu\text{g N/L}$)

Anchialine Pond A2 Total Ammonia ($\mu\text{g N/L}$)



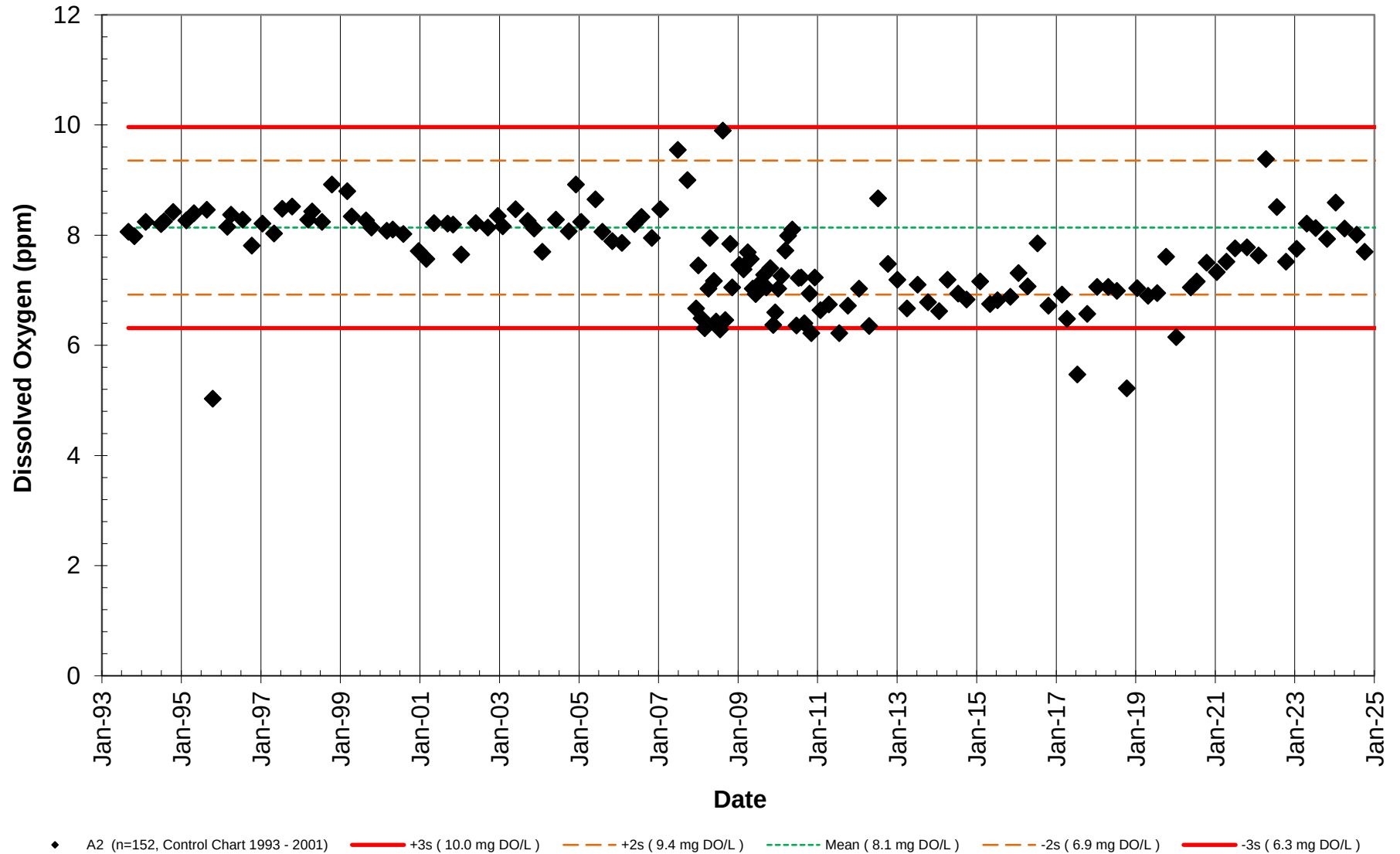
◆ A2 (n=152, Control Chart 1993 - 2001) — +3s (7.0 $\mu\text{g N/L}$) - - +2s (5.6 $\mu\text{g N/L}$) - - - Mean (2.8 $\mu\text{g N/L}$) - - -2s (.0 $\mu\text{g N/L}$) — -3s (-1.4 $\mu\text{g N/L}$)

Anchialine Pond A2
Nitrate + Nitrite to Ortho-Phosphate Ratio

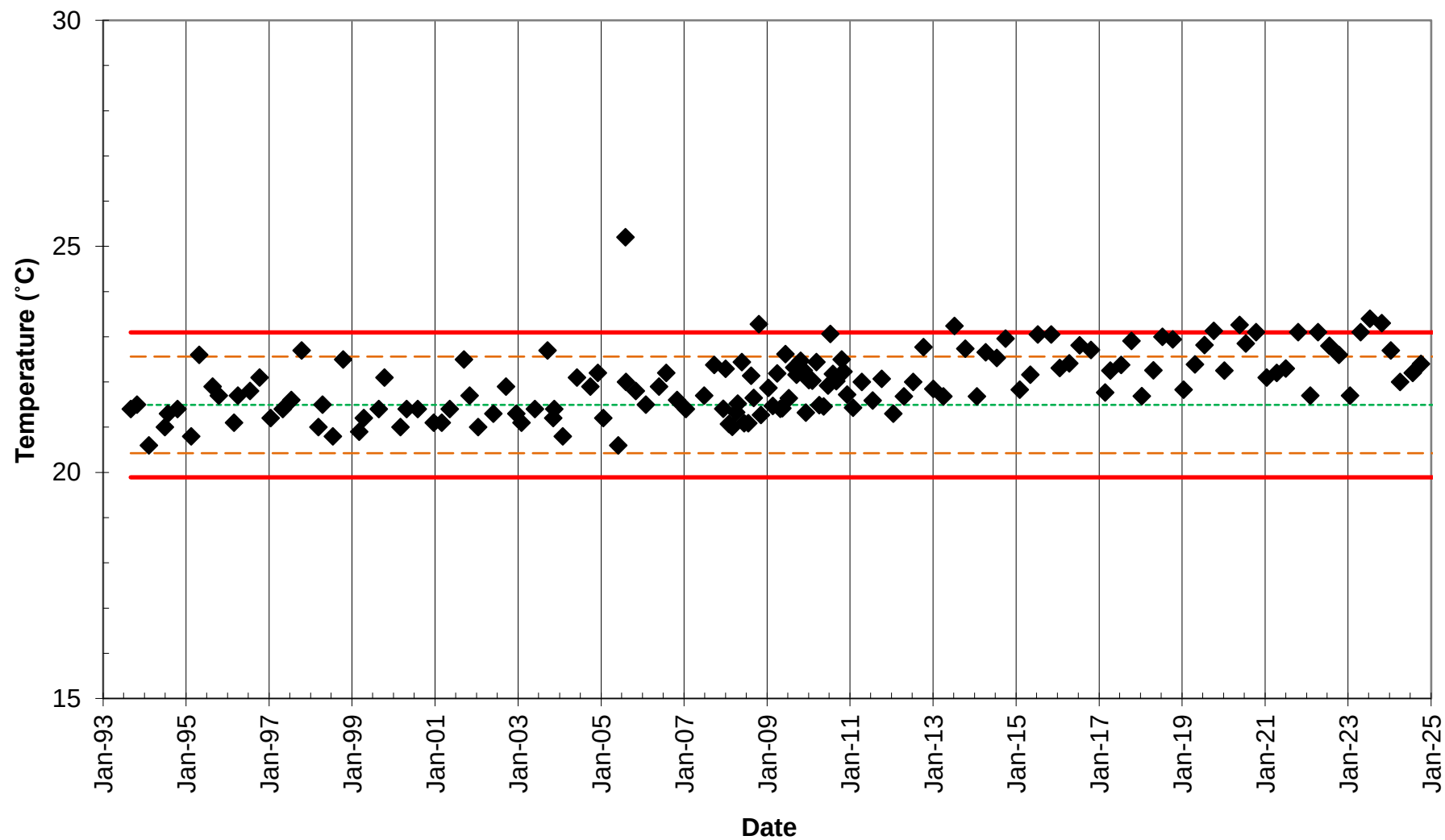


◆ A2 1993 - 2020 ◇ A2 2020 - 2023 — 1:1 — 5:1 — 10:1 — 15:1 — 20:1

Anchialine Pond A2 Dissolved Oxygen (ppm)

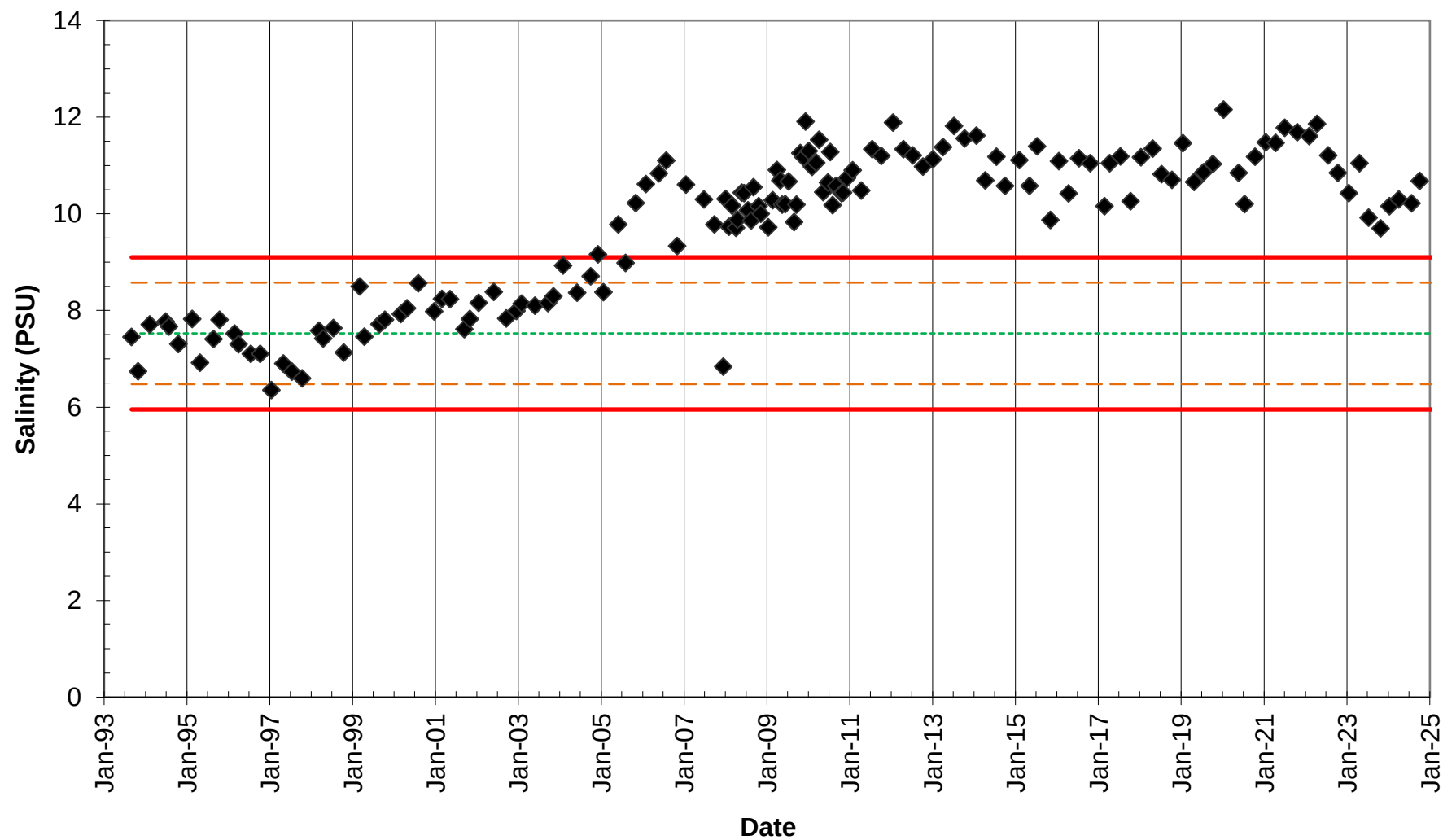


Anchialine Pond A2 Temperature (°C)



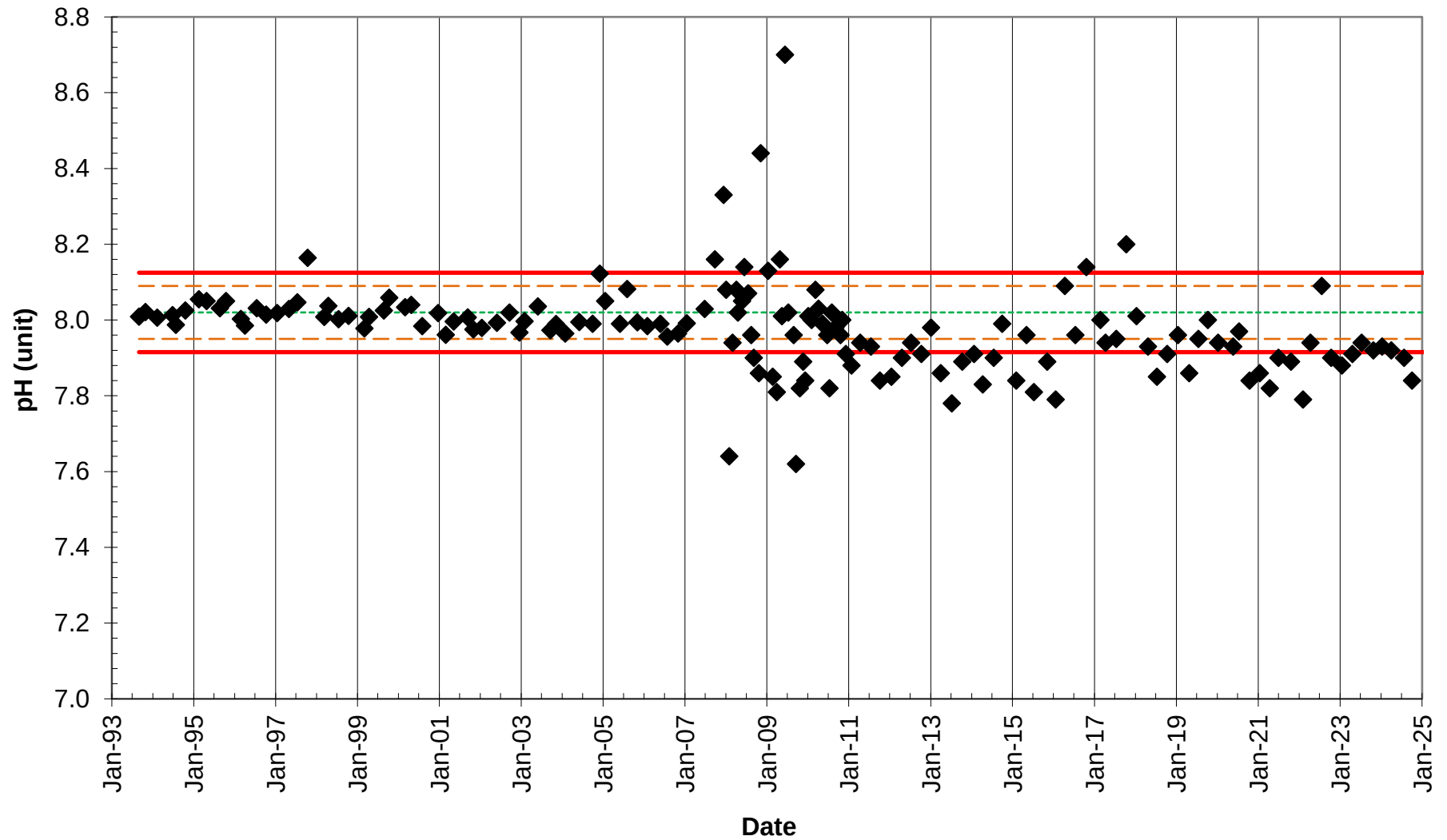
◆ A2 (n=154, Control Chart 1993 - 2001) — +3s (23.1 °C) - - - +2s (22.6 °C) - - - Mean (21.5 °C) - - - -2s (20.4 °C) — -3s (19.9 °C)

Anchialine Pond A2 Salinity (PSU)



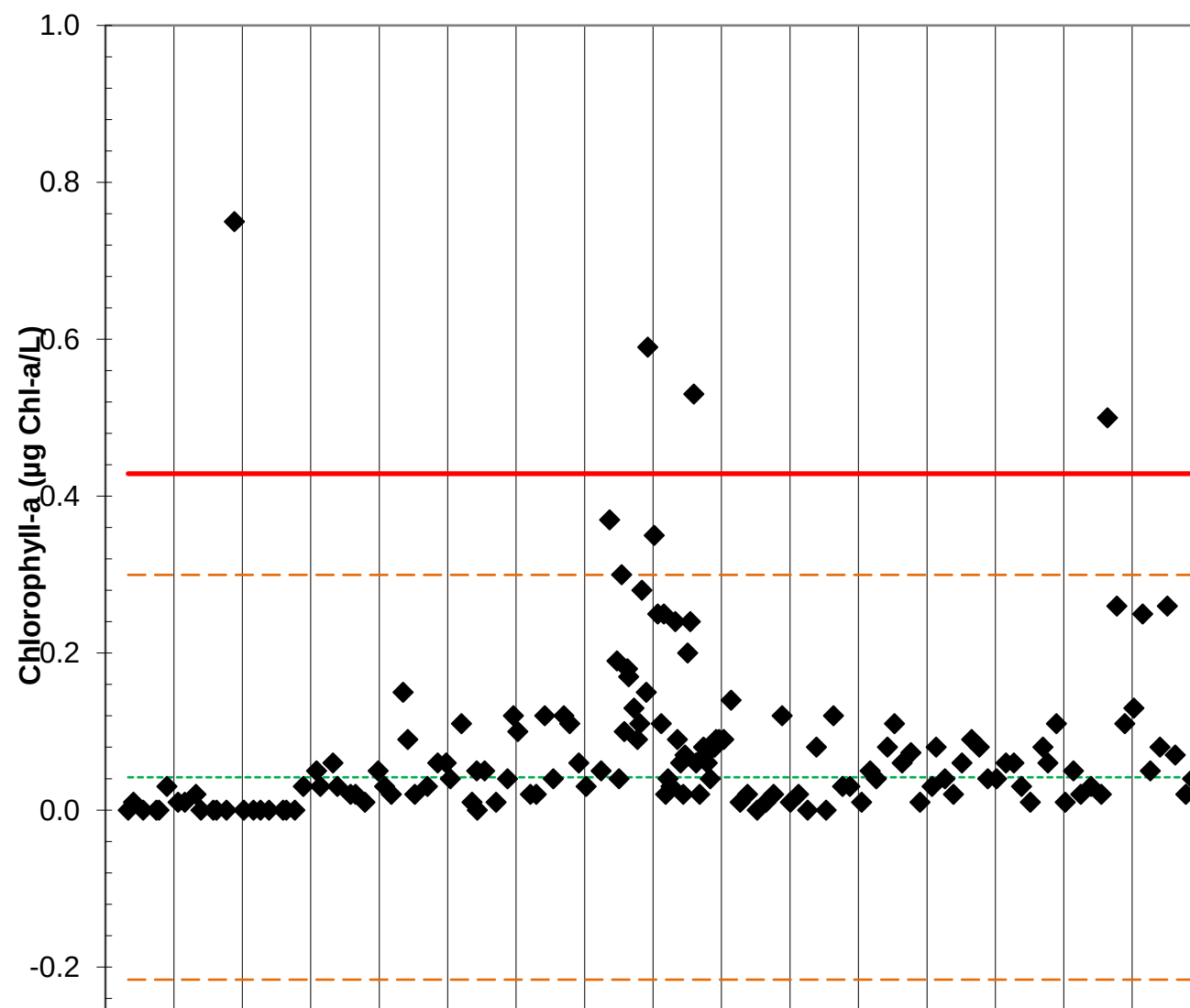
♦ A2 (n=152, Control Chart 1993 - 2001) +3s (9.1 PSU) +2s (8.6 PSU) - - - - Mean (7.5 PSU) -2s (6.5 PSU) -3s (6.0 PSU)

Anchialine Pond A2 pH (unit)



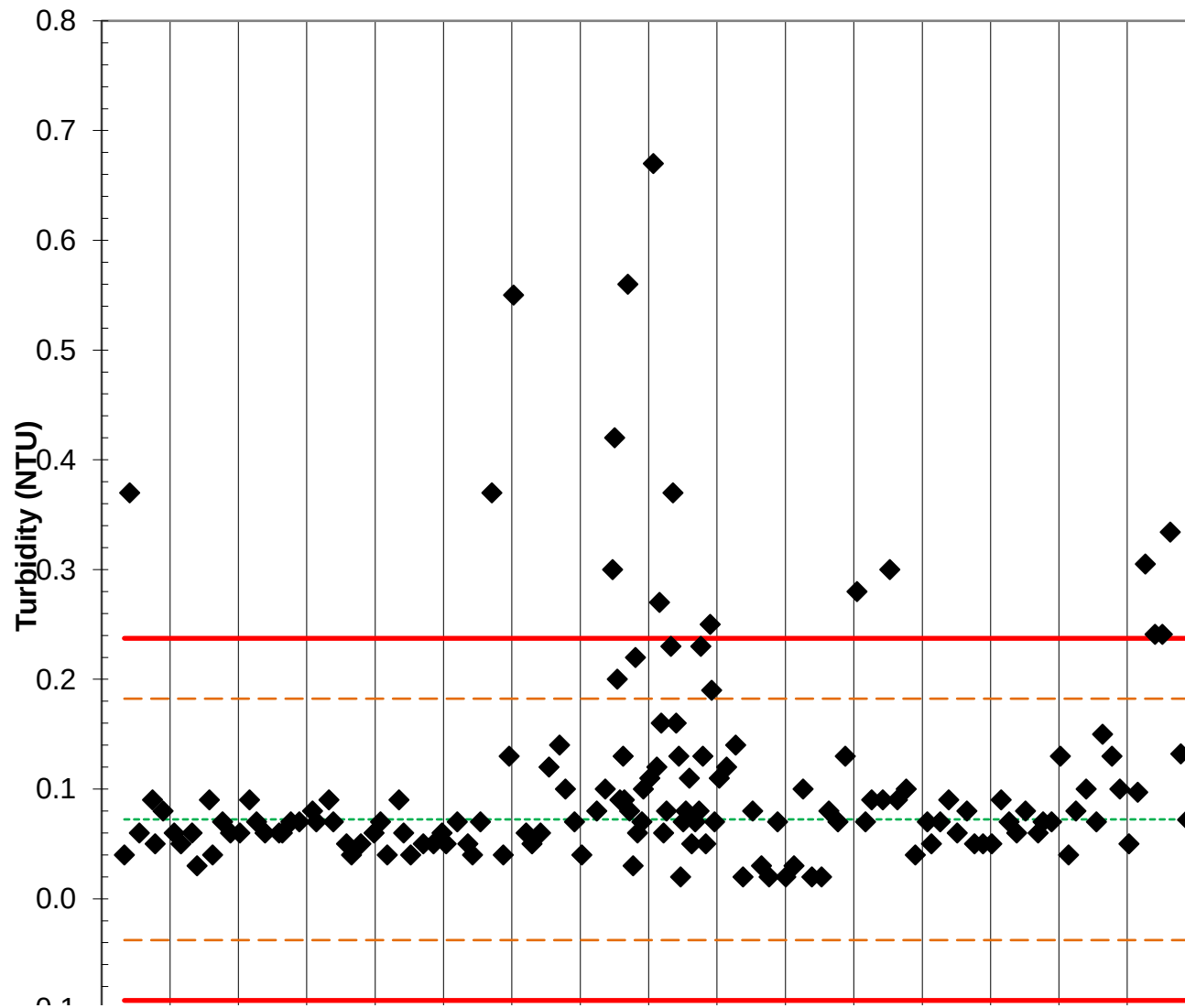
◆ A2 (n=152, Control Chart 1993 - 2001) +3s (8.12 unit) +2s (8.09 unit) - - - - Mean (8.02 unit) - - - - -2s (7.95 unit) -3s (7.92 unit)

Anchialine Pond A2
Chlorophyll-a ($\mu\text{g Chl-a/L}$)



Anchialine Pond A2

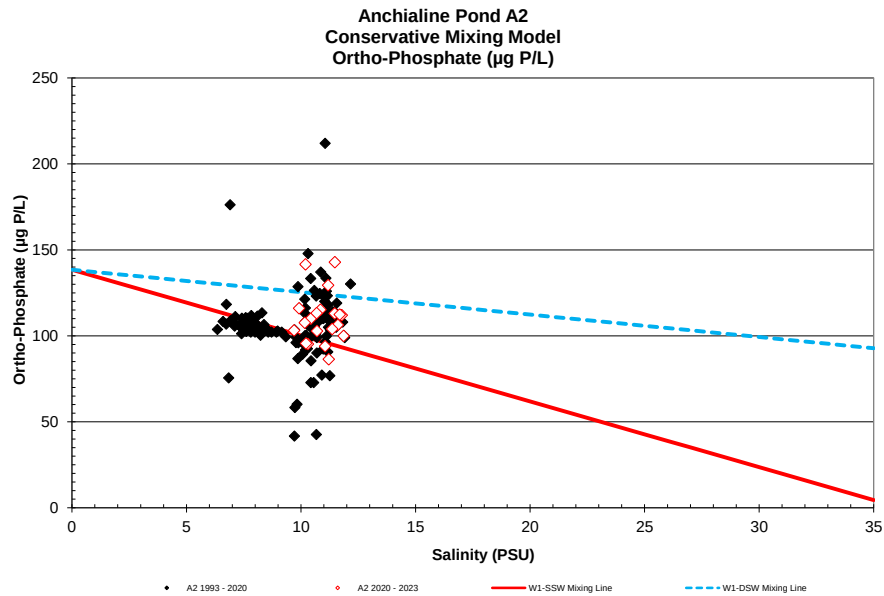
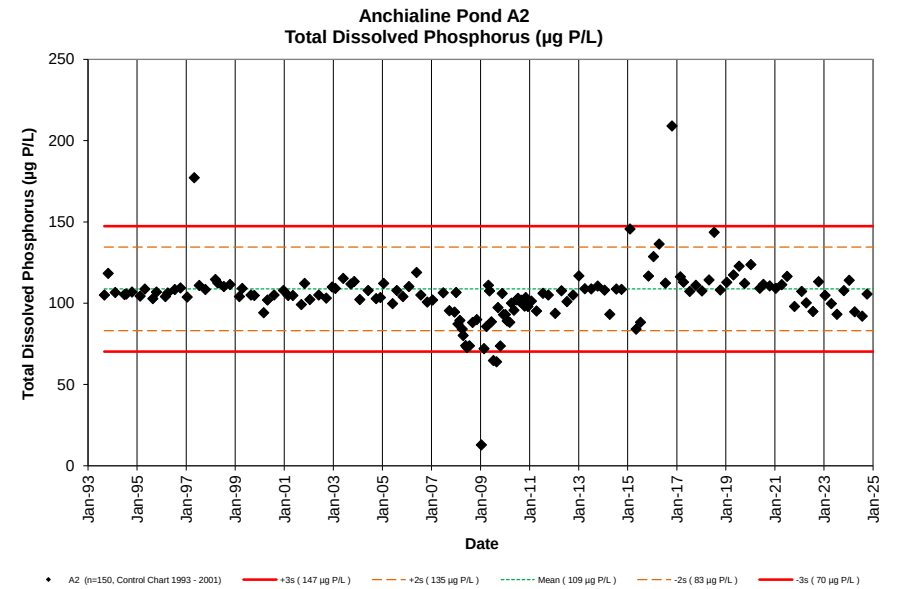
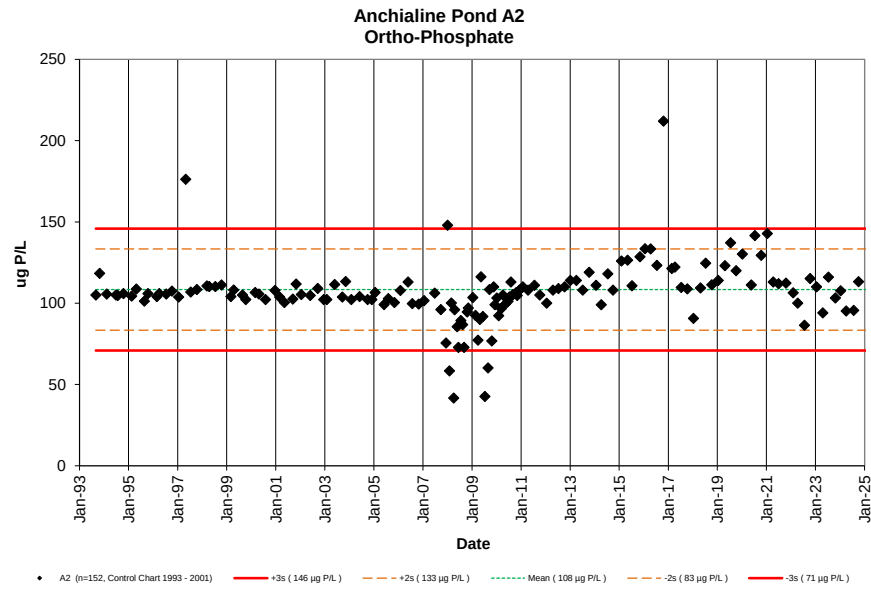
Turbidity (NTU)



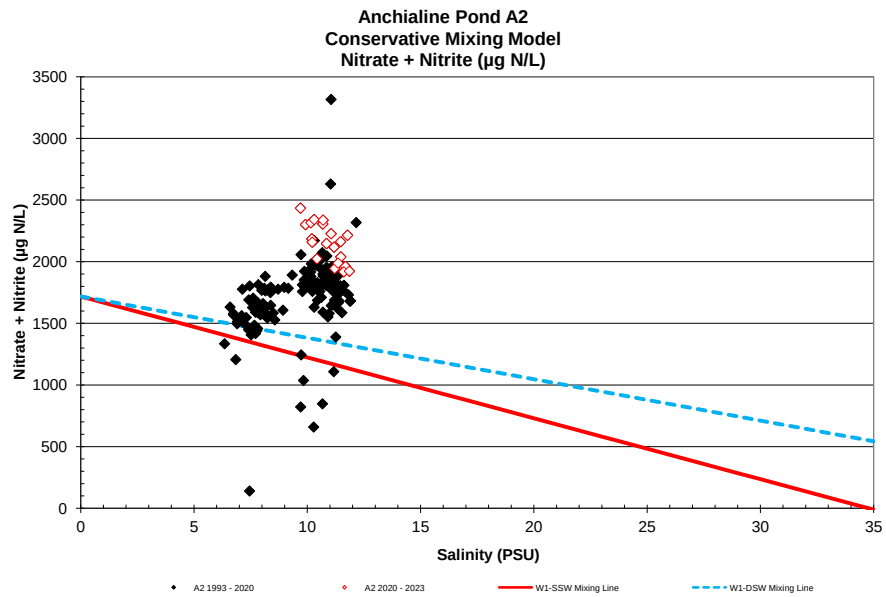
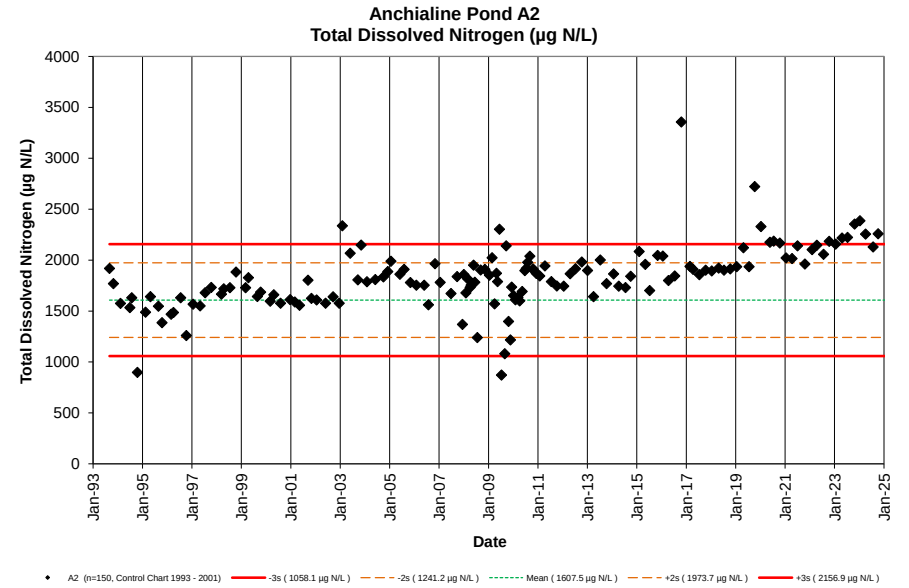
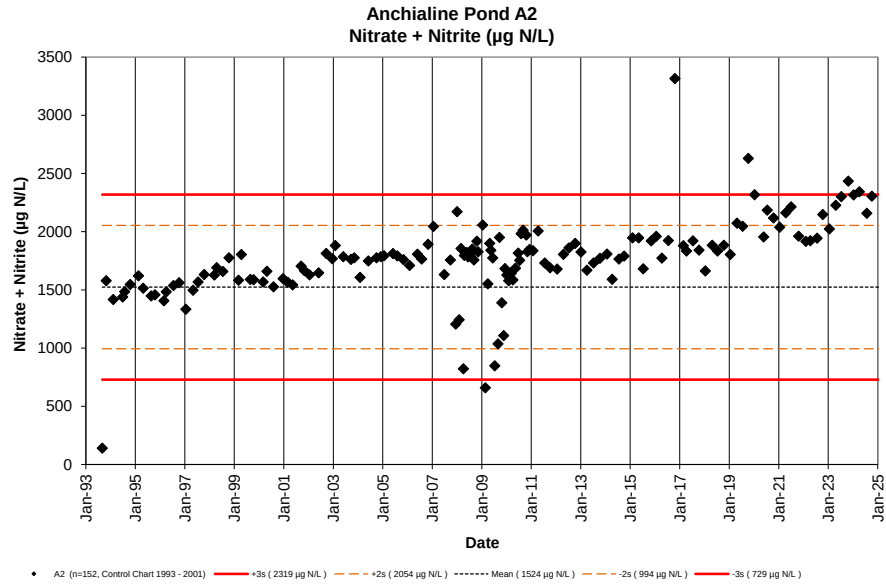
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Anchialine Pond A2

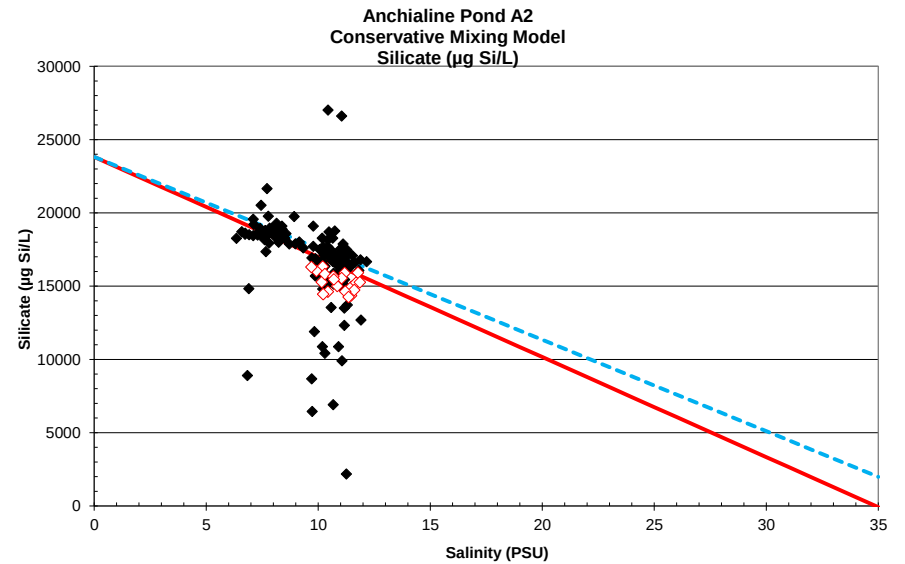
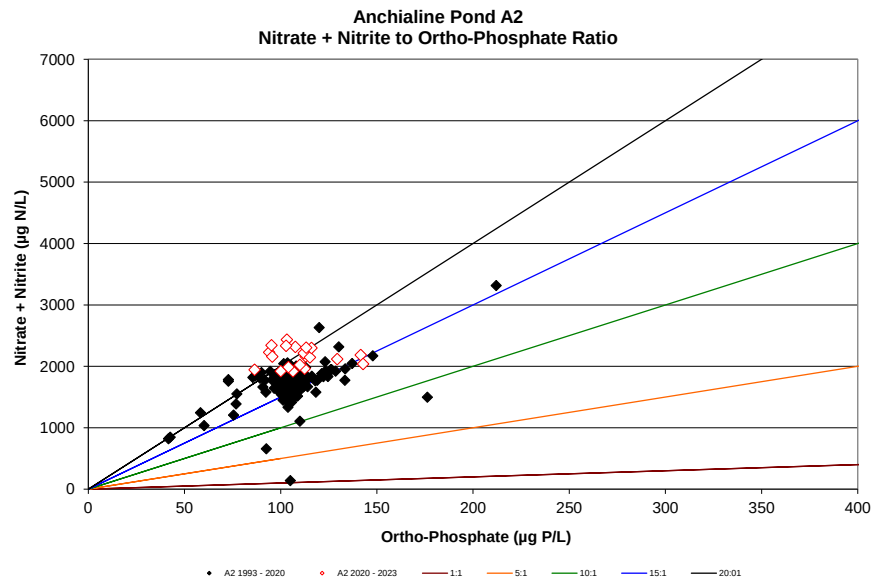
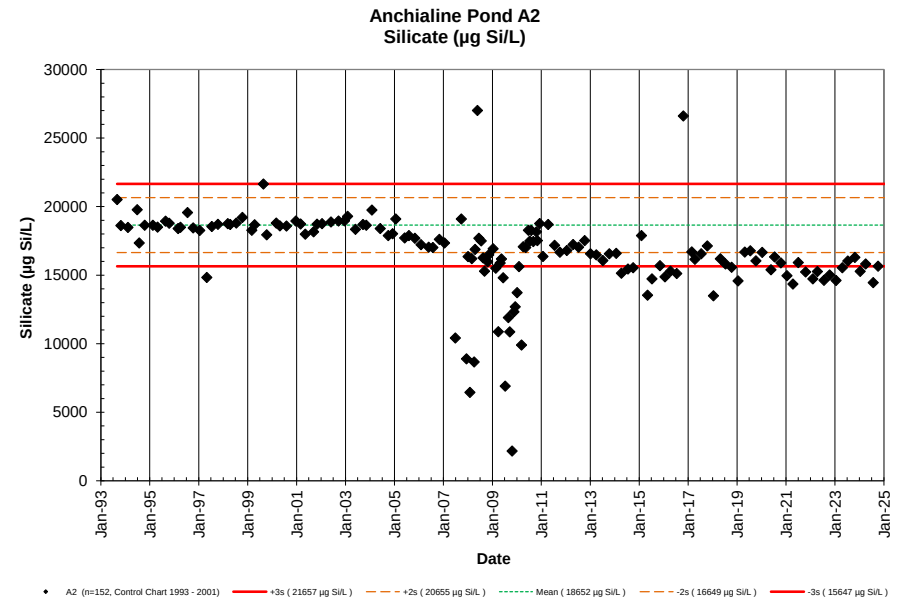
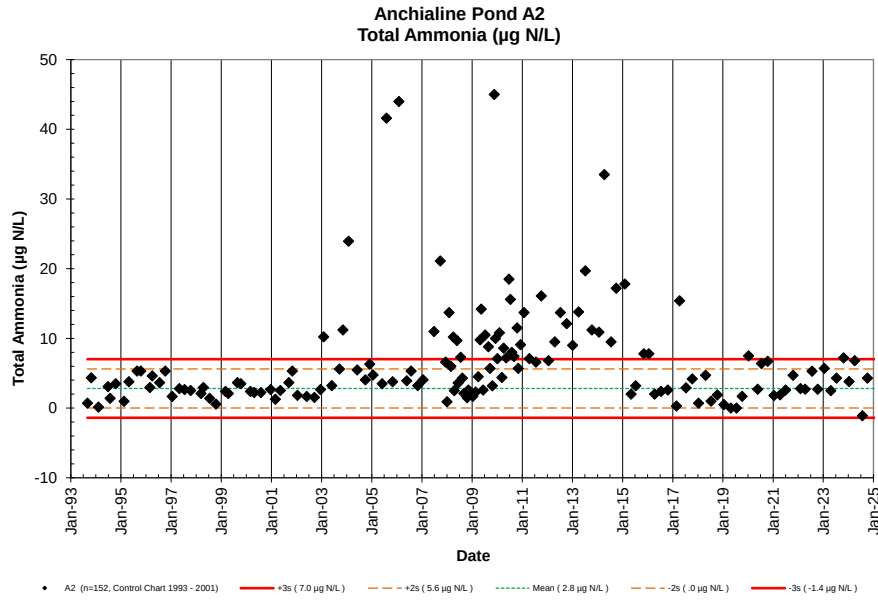
8/31/1993 - 6/30/2024



NELHA Water Quality Laboratory
Anchialine Pond A2
 8/31/1993 - 6/30/2024



NELHA Water Quality Laboratory
 Anchialine Pond A2
 8/31/1993 - 6/30/2024



NELHA Water Quality Laboratory

Anchialine Pond A2

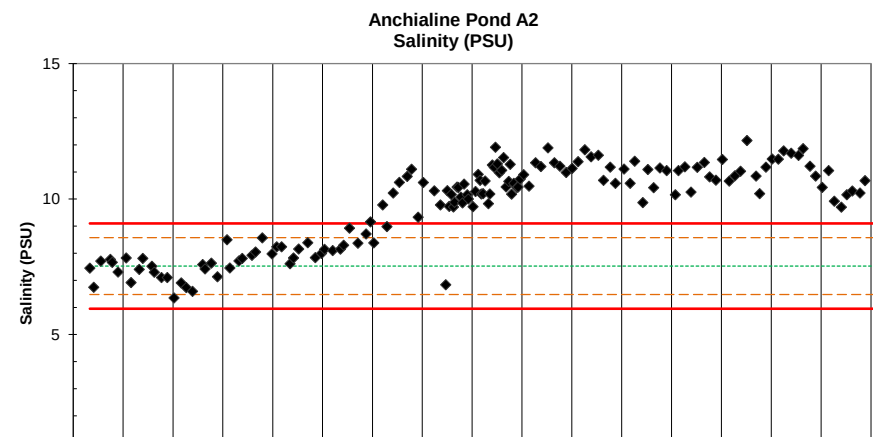
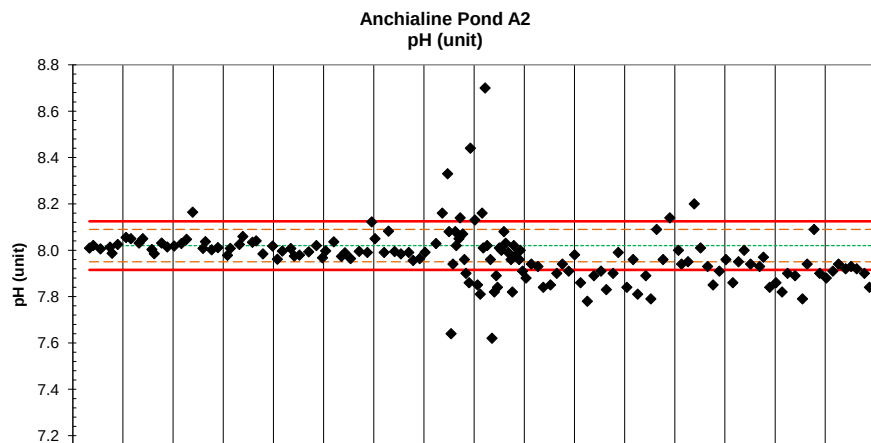
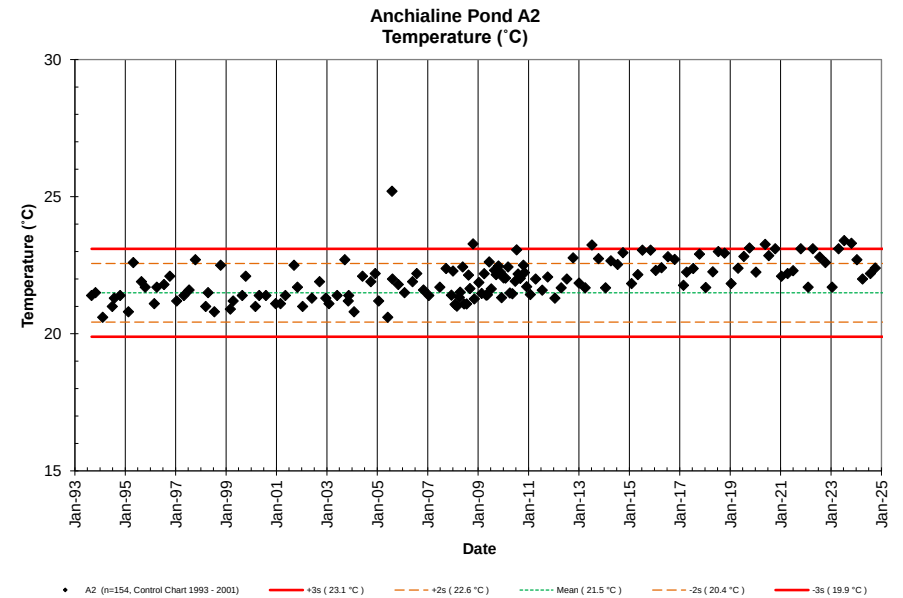
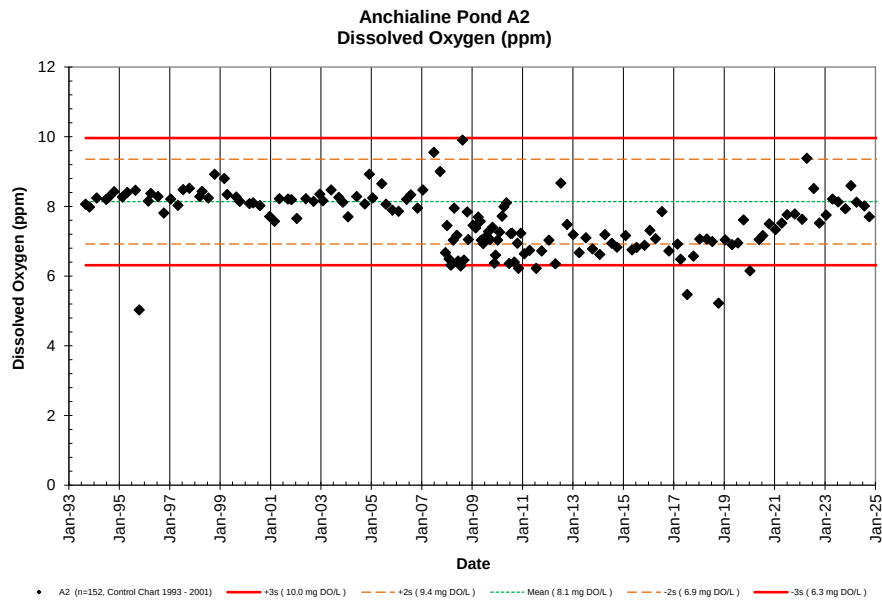
8/31/1993 - 6/30/2024

• A2 1993 - 2020

◊ A2 2020 - 2023

— W1-SSW Mixing Line

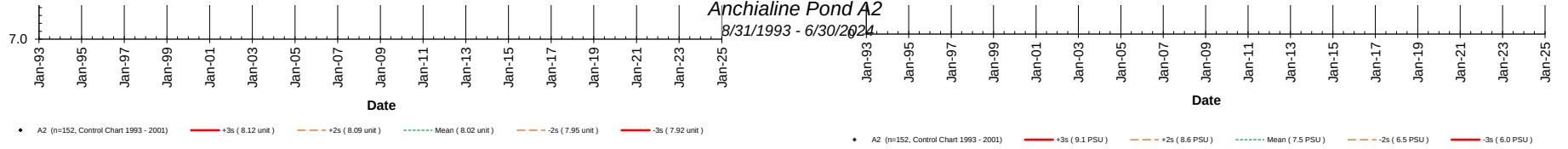
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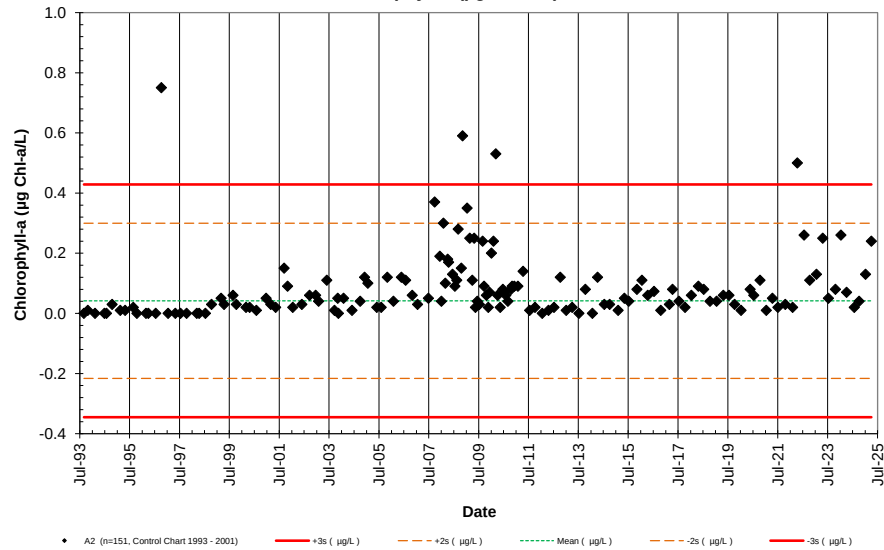
NELHA Water Quality Laboratory

Anchialine Pond A2

8/31/1993 - 6/30/2024



Anchialine Pond A2 Chlorophyll-a (µg Chl-a/L)



Anchialine Pond A2 Turbidity (NTU)

