

NELHA Water Quality Laboratory

Transect 5

July 2024 - June 2025

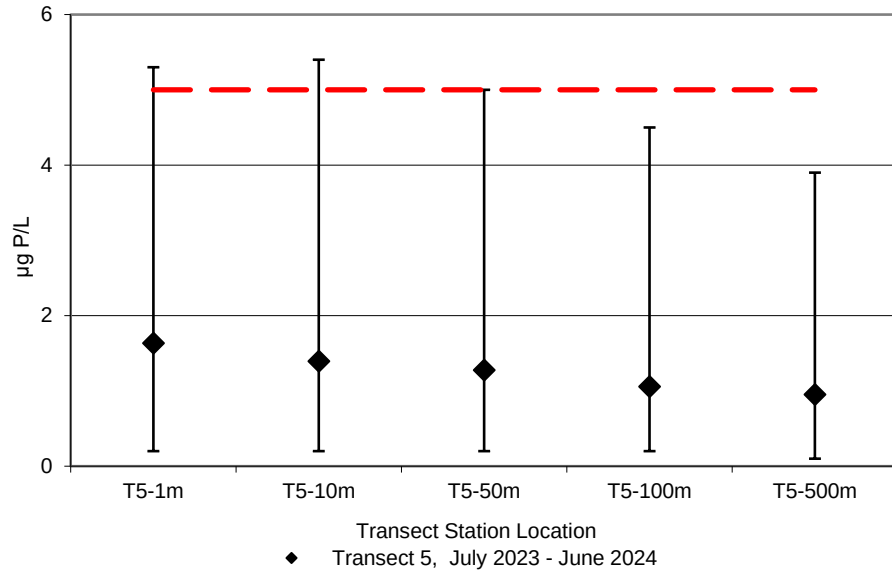
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a	ORP
	M/D/Y	(2400)	(ft)	(cycle)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(NTU)	(PSU)	(°C)		(ppm)	(µg/L)	(mV)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3	
T5-1m	8/8/24	1152	0.3	Low	0.17	5.3	0.90	12.6	0.06	0.9	5.0	140	0.27	8.4	5.3	75	0.12	34.61	27.3	8.15	7.06	0.17	168.5
T5-1m	12/18/24	1150	0.5	Low	0.15	4.8	0.54	7.6	0.21	3.0	2.7	75	0.28	8.7	5.0	70	0.17	34.81	25.9	8.16	7.03	0.18	265.1
T5-1m	3/6/25	1002	0.3	Ebb	0.05	1.4	0.82	11.5	0.14	2.0	3.9	110	0.17	5.3	6.5	92	0.09	34.88	25.5	8.13	7.08	0.28	244.3
T5-1m	6/19/25	1320	1.3	High	0.01	0.2	0.08	1.1	0.28	3.9	0.0	0	0.15	4.5	5.4	76	0.09	34.87	26.9	8.17	6.93	0.20	206.7
Geomear	FY '25				0.05	1.6	0.42	5.9	0.2	2.1			0.2	6.5	5.6	78	0.11					0.20	
T5-10m	8/8/24	1157	0.3	Low	0.16	5.0	0.96	13.4	0.21	3.0	5.1	144	0.26	7.9	5.2	73	0.14	34.62	27.3	8.14	7.06	0.17	176.7
T5-10m	12/18/24	1155	0.5	Low	0.17	5.4	0.59	8.3	0.24	3.3	2.8	77	0.29	9	5.2	72	0.11	34.78	25.9	8.16	7.03	0.20	264.0
T5-10m	3/6/25	1007	0.3	Ebb	0.02	0.7	0.56	7.8	0.03	0.4	2.8	79	0.17	5.4	5.6	79	0.11	34.90	25.5	8.13	7.05	0.27	249.8
T5-10m	6/19/25	1324	1.3	High	0.01	0.2	0.07	1.0	0.31	4.3	0.0	0	0.15	4.8	5.4	76	0.09	34.88	26.9	8.17	6.89	0.19	209.5
Geomear	FY '25				0.05	1.4	0.39	5.4	0.1	2.0			0.2	6.6	5.4	75	0.11					0.20	
T5-50m	8/8/24	1203	0.3	Low	0.11	3.3	0.14	2.0	0.04	0.5	2.1	59	0.23	7.2	4.6	65	0.19	34.71	27.5	8.12	6.76	0.19	185.6
T5-50m	12/18/24	1159	0.5	Low	0.16	5.0	0.42	5.9	0.09	1.2	2.1	58	0.26	8	5.1	72	0.15	34.85	25.9	8.16	6.94	0.15	264.5
T5-50m	3/6/25	1013	0.3	Ebb	0.03	0.8	0.09	1.2	0.01	0.2	0.0	-1	0.16	5.1	4.9	68	0.10	35.01	25.8	8.12	6.83	0.18	251.6
T5-50m	6/19/25	1329	1.3	High	0.01	0.2	0.03	0.4	0.17	2.4	0.0	0	0.15	4.8	5.3	75	0.08	34.88	26.8	8.16	6.77	0.15	210.8
Geomear	FY '25				0.04	1.3	0.11	1.5	0.1	0.7			0.2	6.1	5.0	70	0.13					0.17	
T5-100m	8/8/24	1210	0.3	Low	0.11	3.5	0.10	1.4	0.02	0.3	1.5	42	0.25	7.6	4.8	68	0.12	34.74	27.3	8.11	6.70	0.17	193.4
T5-100m	12/18/24	1206	0.5	Low	0.15	4.5	0.19	2.7	0.22	3.1	1.0	28	0.26	8.1	4.7	66	0.08	34.89	26.2	8.15	6.81	0.11	263.0
T5-100m	3/6/25	1019	0.3	Ebb	0.01	0.2	0.03	0.4	0.12	1.7	0.0	0	0.17	5.3	6.0	84	0.27	35.01	25.8	8.12	6.81	0.20	254.1
T5-100m	6/19/25	1333	1.3	High	0.01	0.4	0.05	0.7	0.31	4.3	-0.1	-2	0.16	5.1	5.0	71	0.09	34.88	26.9	8.16	6.76	0.19	211.6
Geomear	FY '25				0.03	1.1	0.07	1.0	0.1	1.6			0.2	6.4	5.1	72	0.12					0.16	
T5-500m	8/8/24	1220	0.3	Low	0.10	3.0	0.03	0.4	0.04	0.5	1.4	40	0.23	7.1	4.3	61	0.12	34.74	27.4	8.11	6.67	0.19	196.8
T5-500m	12/18/24	1212	0.5	Low	0.13	3.9	0.01	0.1	0.16	2.2	0.4	10	0.27	8.3	4.2	59	0.06	34.88	26.0	8.15	6.71	0.10	265.9
T5-500m	3/6/25	1029	0.3	Ebb	0.00	0.1	0.04	0.5	0.06	0.9	0.1	2	0.15	4.7	5.3	74	0.11	35.01	25.9	8.12	6.83	0.22	252.5
T5-500m	6/19/25	1341	1.3	High	0.02	0.7	0.01	0.2	0.31	4.4	0.0	-1	0.17	5.3	4.9	69	0.12	34.88	26.9	8.16	6.75	0.18	208.6
Geomear	FY '25				0.03	1.0	0.02	0.3	0.1	1.4			0.2	6.2	4.7	65	0.10					0.17	

NELHA Water Quality Laboratory

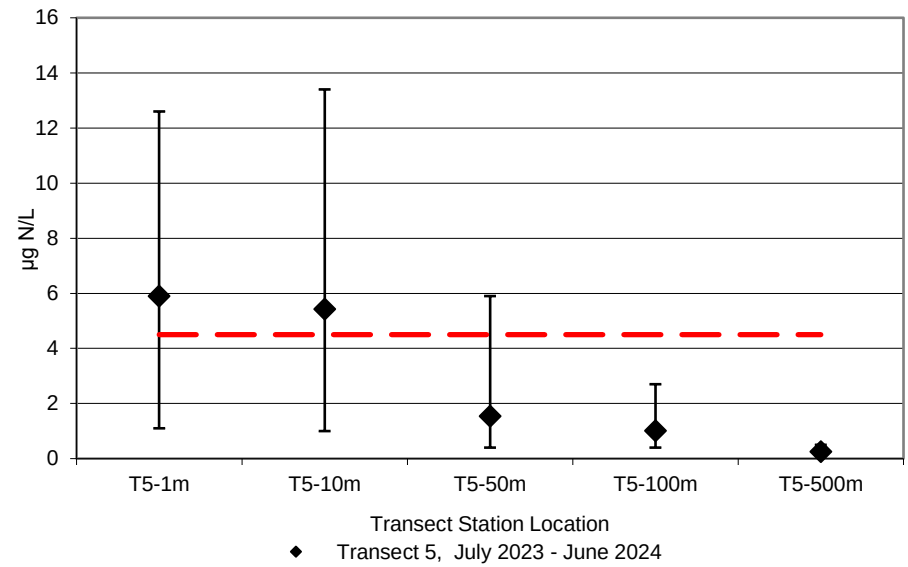
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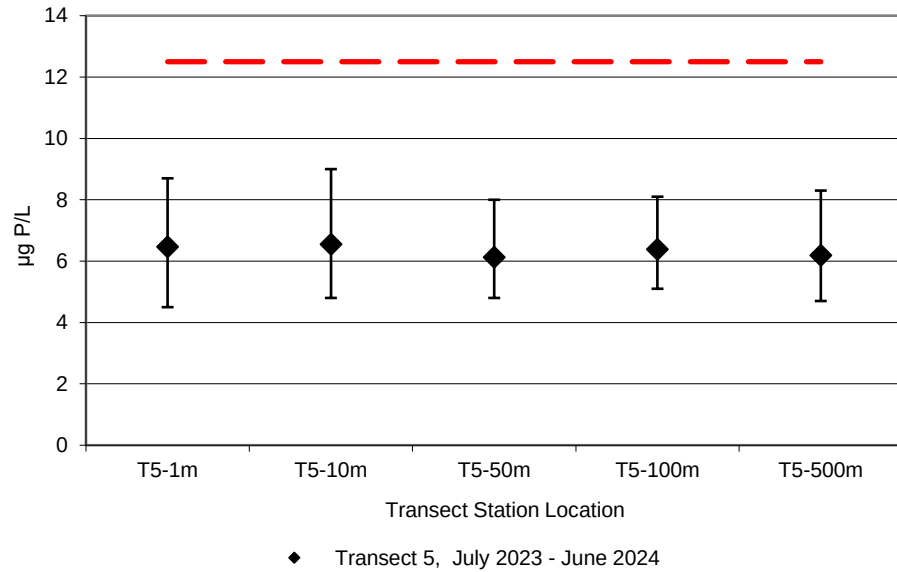
Ortho-Phosphate
Geometric Mean



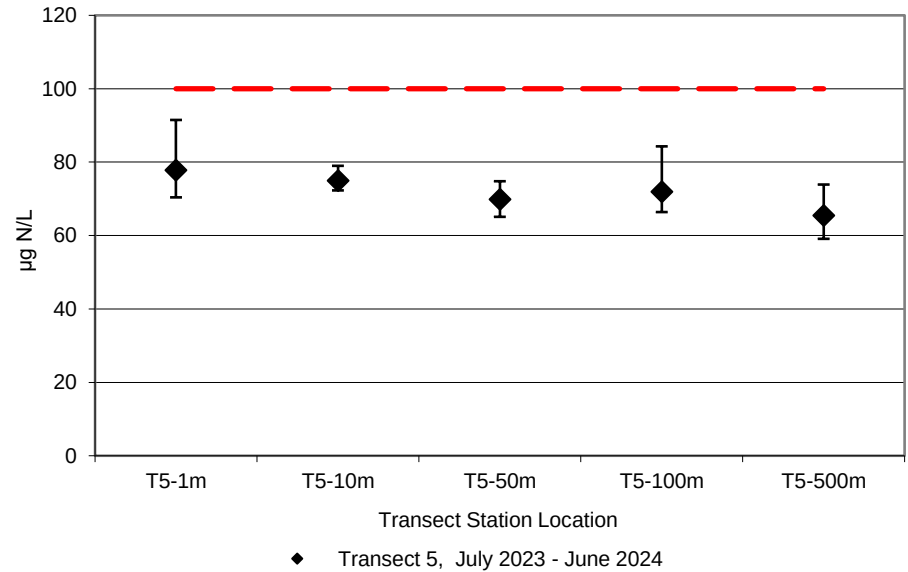
Nitrate + Nitrite
Geometric Mean



Total Dissolved Phosphorous
Geometric Mean



Total Dissolved Nitrogen
Geometric Mean

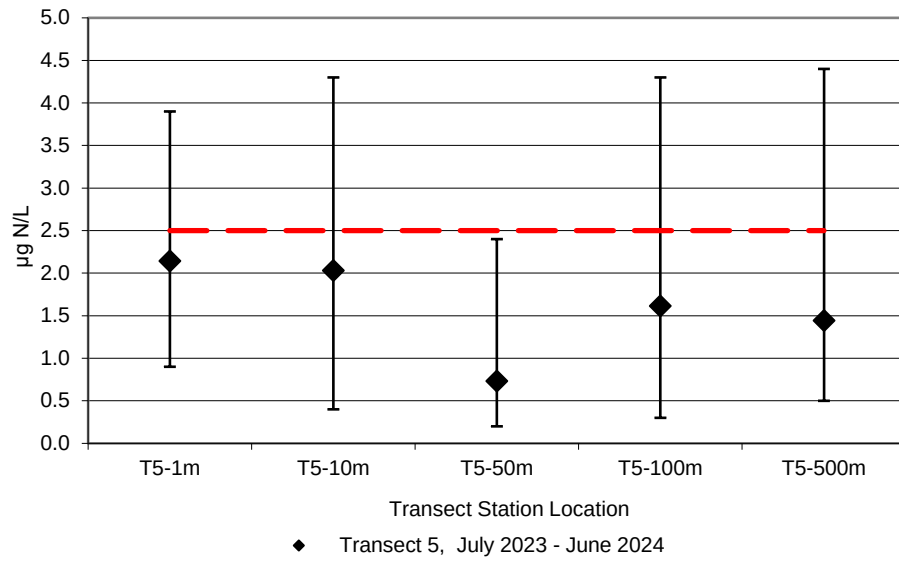


NELHA Water Quality Laboratory

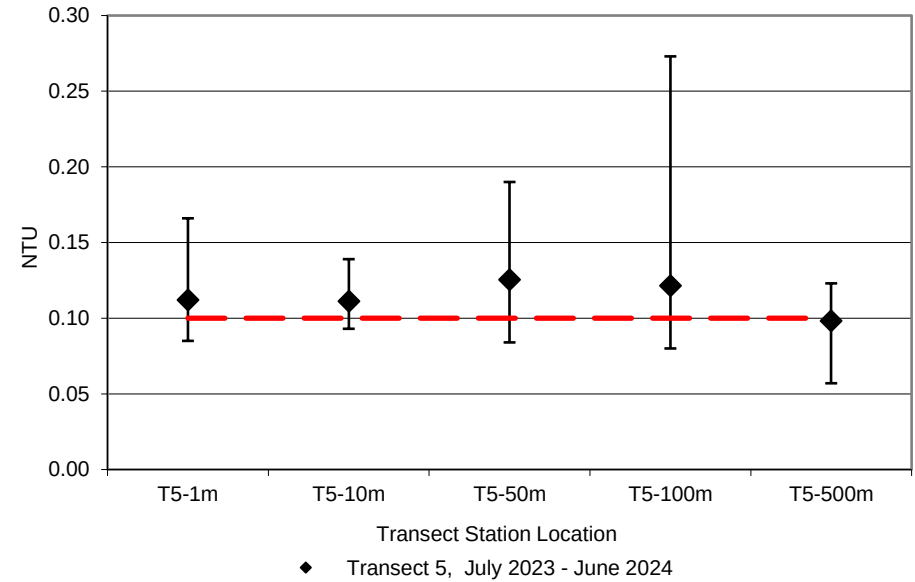
Transect 5

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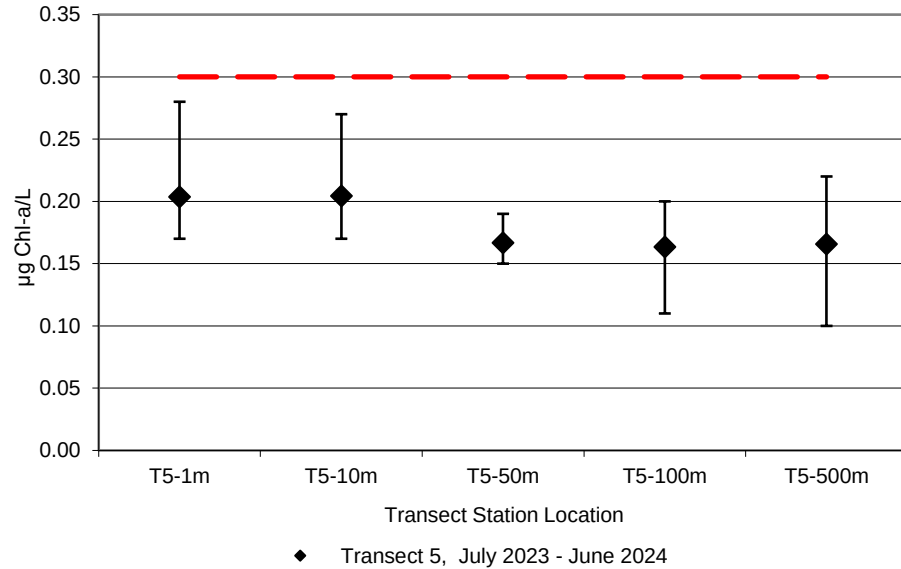
Total Ammonia
Geometric Mean



Turbidity
Geometric Mean



Chlorophyll-a
Geometric Mean



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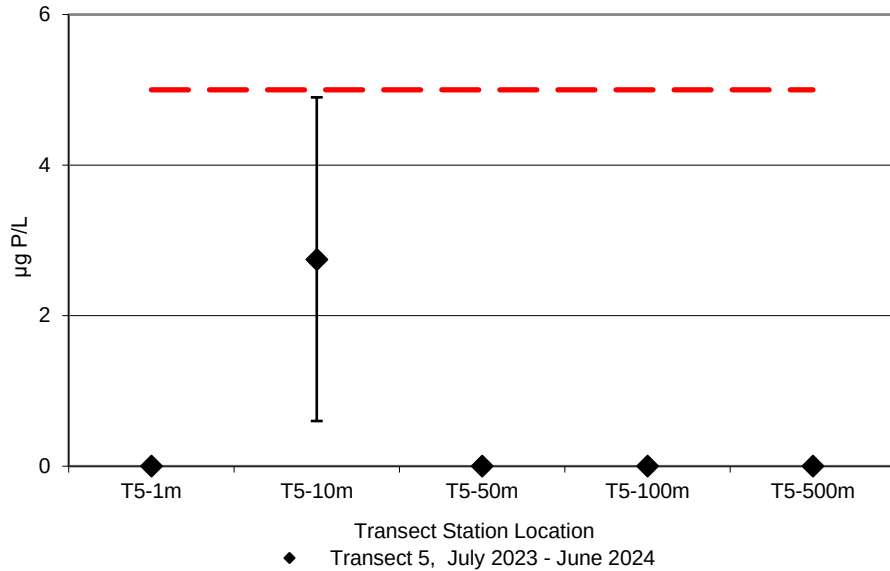
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a	ORP
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(o/oo)	(°C)		(ppm)	(μg/L)	(mV)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3	
T5-1m	9/14/23	939	0.2	Low	0.19	5.9	1.15	16.1	0.23	3.2	5.9	166	0.24	7.3	6.3	89	0.14	34.64	26.9	8.10	6.92	0.15	232.9
T5-1m	12/8/23	1007	1.3	High	0.14	4.4	0.31	4.3	0.31	4.4	0.6	17	0.42	13.1	4.5	64	0.10	34.98	26.3	8.09	6.68	0.13	177.7
T5-1m	2/22/24	935	0.2	Low	-0.06	-1.8	0.66	9.3	0.15	2.1	2.0	56	0.09	2.7	5.8	81	0.14	34.97	25.0	8.12	7.08	0.22	203.2
T5-1m	6/19/24	1039	0.7	Flood	0.17	5.3	0.25	3.5	0.29	4.0	2.4	67	0.29	9.0	5.0	70	0.19	34.85	26.6	8.06	7.08	0.15	242.5
Geomear FY '24					#NUM!	#NUM!	0.49	6.9	0.2	3.3			0.2	6.9	5.4	75	0.14					0.16	
T5-10m	9/14/23	943	0.2	Low	0.14	4.2	1.04	14.6	0.24	3.4	5.7	160	0.26	7.9	5.9	83	0.17	34.66	26.9	8.10	6.92	0.26	236.5
T5-10m	12/8/23	1012	1.3	High	0.16	4.9	0.31	4.3	0.47	6.6	0.5	13	0.30	9.4	5.2	73	0.17	34.99	26.3	8.09	6.67	0.12	183.4
T5-10m	2/22/24	940	0.2	Low	0.02	0.6	0.46	6.4	0.21	2.9	0.9	26	0.05	1.4	5.2	73	0.14	35.02	25.0	8.12	7.00	0.20	202.8
T5-10m	6/19/24	1045	0.7	Flood	0.15	4.6	0.25	3.5	0.39	5.5	1.9	53	0.29	9.1	4.3	61	0.13	34.89	26.4	8.04	6.94	0.14	245.0
Geomear FY '24					0.09	2.7	0.44	6.1	0.3	4.3			0.2	5.5	5.1	72	0.15					0.17	
T5-50m	9/14/23	949	0.2	Low	0.10	3.1	0.14	2.0	0.09	1.3	0.5	15	0.23	7.2	4.9	68	0.13	34.83	27.1	8.09	6.67	0.20	234.7
T5-50m	12/8/23	1022	1.3	High	0.14	4.2	0.38	5.3	0.49	6.8	0.8	23	0.41	12.6	4.6	65	0.13	34.98	26.3	8.10	6.70	0.12	186.8
T5-50m	2/22/24	946	0.2	Low	-0.07	-2.1	0.53	7.4	0.29	4.0	0.9	26	0.10	3.1	5.4	76	0.18	35.05	25.0	8.12	6.95	0.20	202.8
T5-50m	6/19/24	1053	0.7	Flood	0.16	5.0	0.07	1.0	0.26	3.7	1.4	40	0.27	8.4	4.6	64	0.14	34.88	26.4	8.04	6.90	0.12	248.2
Geomear FY '24					#NUM!	#NUM!	0.21	3.0	0.2	3.4			0.2	7.0	4.9	68	0.14					0.15	
T5-100m	9/14/23	955	0.2	Low	0.12	3.7	0.11	1.5	0.06	0.8	0.3	8	0.25	7.8	4.9	69	0.12	34.84	27.1	8.09	6.66	0.20	240.6
T5-100m	12/8/23	1029	1.3	High	0.10	3.1	0.46	6.5	0.56	7.8	1.2	34	0.41	12.8	4.8	67	0.12	34.96	26.3	8.09	6.66	0.14	188.4
T5-100m	2/22/24	952	0.2	Low	-0.04	-1.2	0.33	4.6	0.36	5.1	1.0	28	0.08	2.5	4.8	67	0.13	35.05	25.0	8.12	6.89	0.21	202.5
T5-100m	6/19/24	1101	0.7	Flood	0.15	4.8	0.13	1.8	0.21	3.0	1.8	51	0.28	8.6	4.1	57	0.14	34.87	26.7	8.02	6.74	0.14	248.8
Geomear FY '24					#NUM!	#NUM!	0.21	3.0	0.2	3.1			0.2	6.8	4.6	65	0.13					0.17	
T5-500m	9/14/23	1004	0.2	Low	0.09	2.8	0.10	1.4	0.07	1.0	0.1	4	0.26	8	5.2	72	0.16	34.86	27.3	8.09	6.65	0.18	223.6
T5-500m	12/8/23	1037	1.3	High	0.08	2.5	0.79	11.0	0.54	7.6	3.3	94	0.43	13.2	5.2	73	0.13	34.94	26.2	8.09	6.52	0.16	189.6
T5-500m	2/22/24	959	0.2	Low	-0.13	-3.9	0.17	2.4	0.10	1.4	-0.5	-13	0.08	2.6	4.9	68	0.15	35.05	25.0	8.12	6.84	0.25	202.0
T5-500m	6/19/24	1111	0.7	Flood	0.13	3.9	0.12	1.7	0.26	3.6	2.0	57	0.28	8.7	4.8	67	0.14	34.88	26.4	8.03	6.75	0.21	234.8
Geomear FY '24					#NUM!	#NUM!	0.20	2.8	0.2	2.5			0.2	7.0	5.0	70	0.14					0.20	

NELHA Water Quality Laboratory

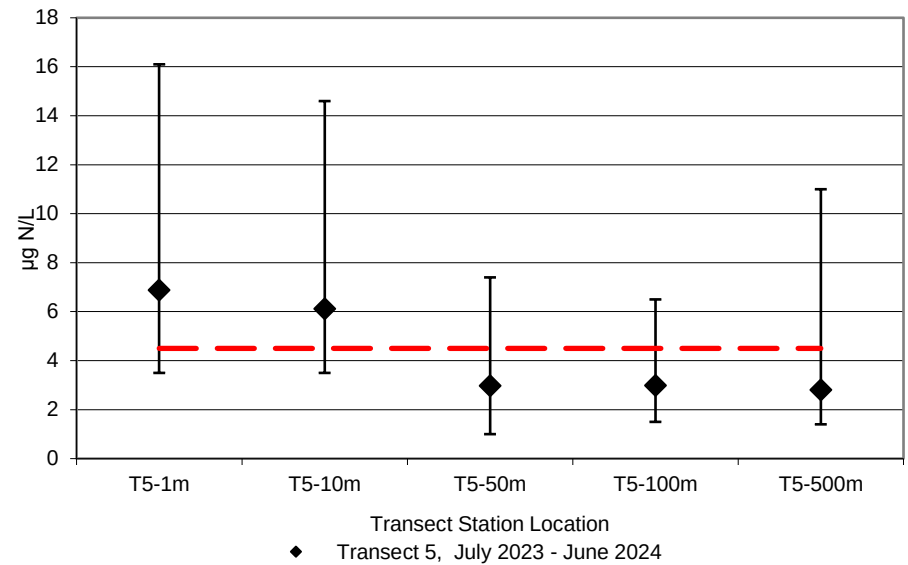
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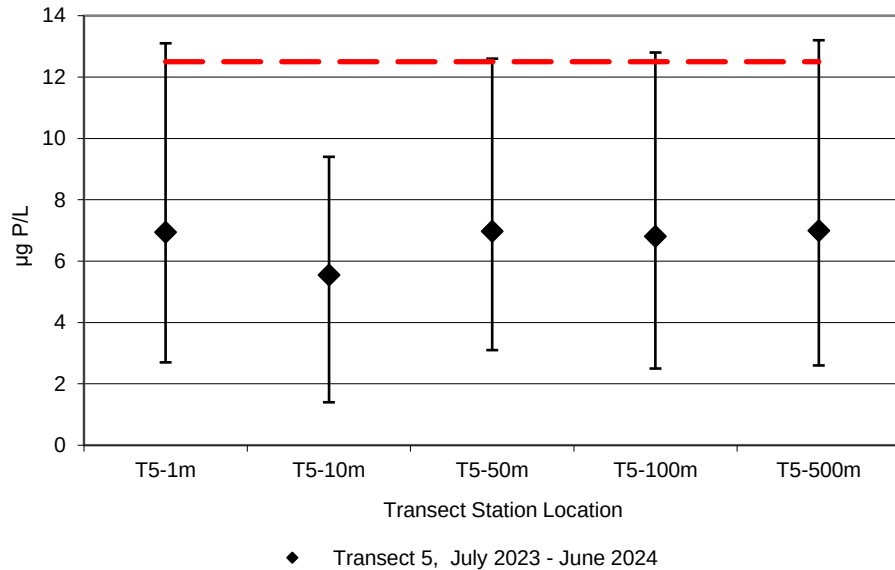
Ortho-Phosphate
Geometric Mean



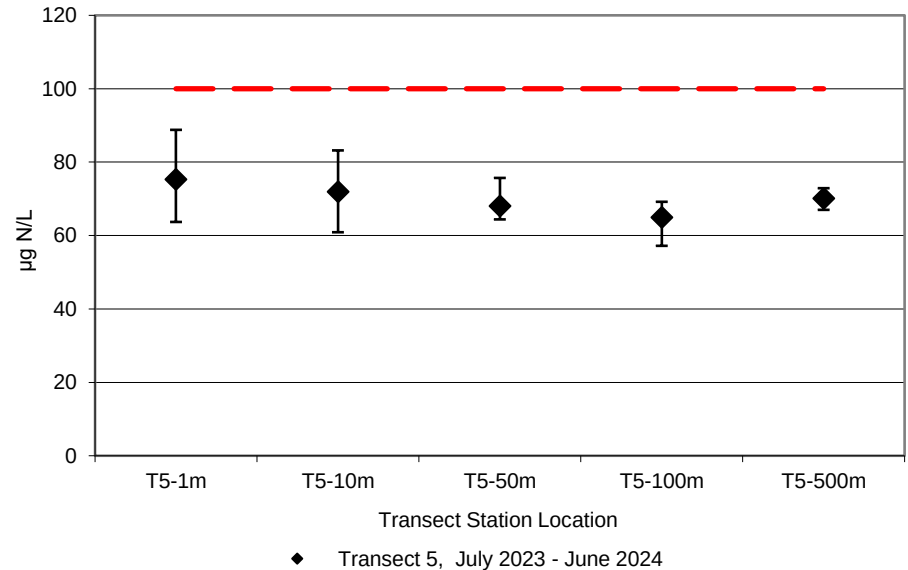
Nitrate + Nitrite
Geometric Mean



Total Dissolved Phosphorous
Geometric Mean



Total Dissolved Nitrogen
Geometric Mean

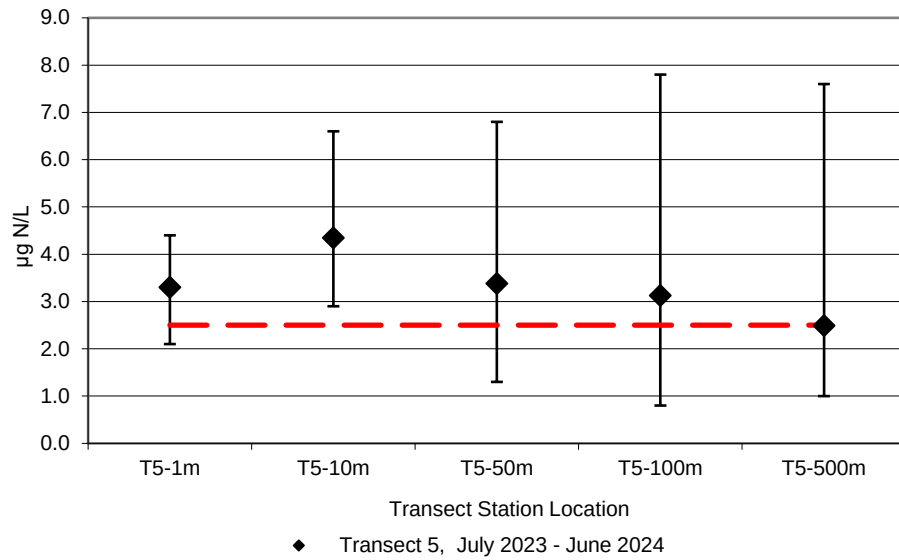


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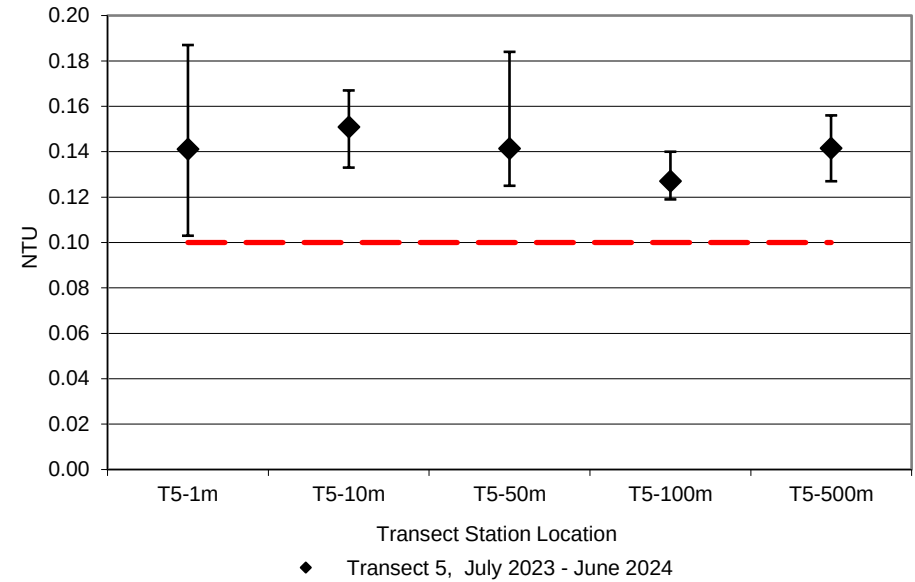
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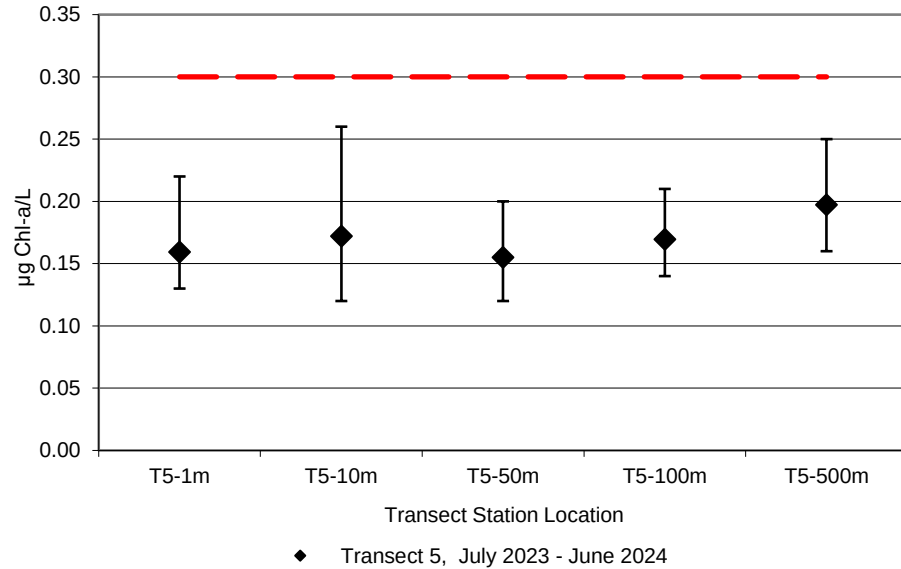
Total Ammonia
Geometric Mean



Turbidity
Geometric Mean



Chlorophyll-a
Geometric Mean



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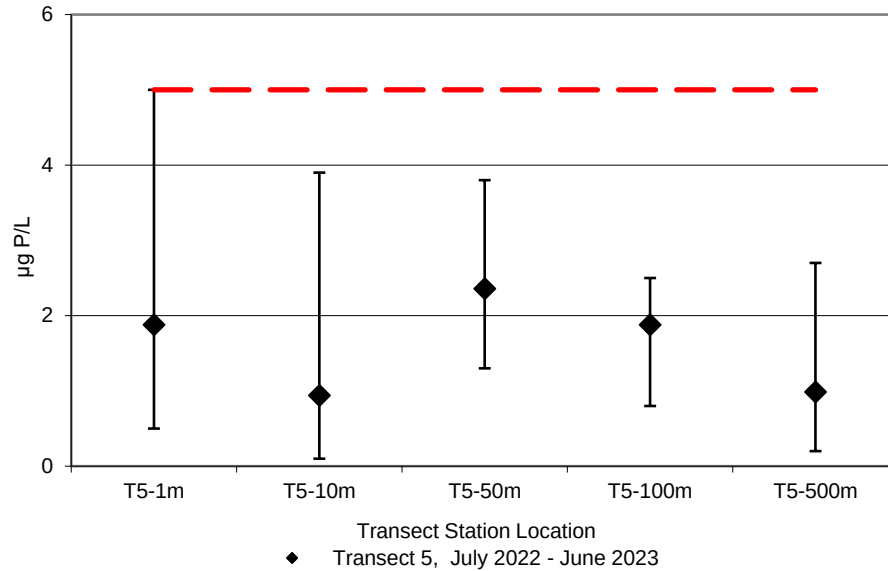
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(o/oo)	(°C)		(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	9/22/22	936	0.5	Flood	0.08	2.5	0.27	3.8	0.17	2.4	1.3	35	0.16	4.9	4.5	64	0.17	34.87	27.1	8.09	6.83	0.19
T5-1m	12/27/22	1122	0.4	Low	0.06	2.0	0.77	10.8	0.19	2.7	3.3	91	0.16	4.9	5.8	81	0.10	34.85	25.7	8.16	7.12	0.19
T5-1m	3/16/23	838	0.4	Low	0.16	5.0	0.72	10.1	0.24	3.3	3.8	106	0.25	7.7	5.9	83	0.13	34.63	24.7	7.98	6.95	0.31
T5-1m	6/1/23	941	0.4	Flood	0.02	0.5	0.36	5.1	0.13	1.8	1.2	33	0.19	5.9	4.4	62	0.23	34.72	25.8	8.09	6.93	0.21
Geomear FY '23					0.06	1.9	0.48	6.8	0.2	2.5			0.2	5.7	5.1	72	0.15					0.22
T5-10m	9/22/22	940	0.5	Flood	0.08	2.5	0.19	2.6	0.15	2.1	0.7	21	0.18	5.7	8.6	120	0.19	34.89	27.1	8.09	6.79	0.24
T5-10m	12/27/22	1126	0.4	Low	0.00	0.1	0.65	9.1	0.19	2.7	2.7	76	0.21	6.6	6.5	91	0.10	34.90	25.8	8.15	7.03	0.21
T5-10m	3/16/23	942	0.4	Low	0.13	3.9	0.59	8.2	0.29	4.0	3.2	91	0.24	7.5	5.5	77	0.10	34.64	24.7	8.00	6.94	0.23
T5-10m	6/1/23	948	0.4	Flood	0.03	0.8	0.25	3.5	0.11	1.5	0.9	24	0.18	5.7	4.1	58	0.14	34.74	25.8	8.09	6.92	0.18
Geomear FY '23					0.03	0.9	0.36	5.1	0.2	2.4			0.2	6.3	6.0	84	0.13					0.21
T5-50m	9/22/22	945	0.5	Flood	0.08	2.5	0.14	2.0	0.06	0.9	0.4	12	0.23	7.2	8.3	116	0.15	34.90	27.2	8.09	6.75	0.20
T5-50m	12/27/22	1130	0.4	Low	0.08	2.5	0.34	4.8	0.11	1.5	1.3	36	0.16	4.9	5.4	75	0.11	34.94	25.9	8.14	6.86	0.24
T5-50m	3/16/23	947	0.4	Low	0.12	3.8	0.43	6.0	0.17	2.4	3.1	86	0.22	6.7	4.5	64	0.09	34.65	24.7	8.02	6.89	0.32
T5-50m	6/1/23	954	0.4	Flood	0.04	1.3	0.40	5.6	0.14	1.9	1.8	51	0.19	5.8	4.2	59	0.14	34.73	25.8	8.09	6.84	0.18
Geomear FY '23					0.08	2.4	0.30	4.2	0.1	1.6			0.2	6.1	5.4	76	0.12					0.23
T5-100m	9/22/22	952	0.5	Flood	0.08	2.5	0.06	0.9	0.05	0.7	0.0	0	0.18	5.5	3.9	54	0.19	34.91	27.2	8.09	6.70	0.22
T5-100m	12/27/22	1144	0.4	Low	0.08	2.5	0.32	4.5	0.08	1.1	1.2	33	0.14	4.3	5.1	71	0.06	34.94	25.9	8.14	6.86	0.27
T5-100m	3/16/23	852	0.4	Low	0.08	2.5	0.20	2.8	0.09	1.2	2.1	60	0.23	7.2	4.6	65	0.10	34.68	24.8	8.04	6.91	0.29
T5-100m	6/1/23	1003	0.4	Flood	0.03	0.8	0.82	11.5	0.11	1.5	4.6	130	0.19	5.9	4.9	69	0.17	34.62	25.9	8.07	6.63	0.21
Geomear FY '23					0.06	1.9	0.24	3.4	0.1	1.1			0.2	5.6	4.6	65	0.12					0.25
T5-500m	9/22/22	1000	0.5	Flood	0.01	0.2	0.04	0.5	0.14	2.0	-0.1	-2	0.13	4.1	4.2	58	0.14	34.91	27.3	8.09	6.65	0.20
T5-500m	12/27/22	1137	0.4	Low	0.08	2.5	0.08	1.1	0.09	1.3	0.6	17	0.18	5.5	4.8	67	0.04	34.95	26.0	8.15	6.73	0.25
T5-500m	3/16/23	859	0.4	Low	0.09	2.7	0.15	2.1	0.10	1.4	2.7	75	0.23	7.2	5.4	75	0.14	34.66	24.9	8.05	6.93	0.35
T5-500m	6/1/23	1011	0.4	Flood	0.02	0.7	0.22	3.1	0.01	0.2	1.9	52	0.20	6.1	4.9	68	0.11	34.69	25.9	8.07	6.63	0.20
Geomear FY '23					0.03	1.0	0.10	1.4	0.1	0.9			0.2	5.6	4.8	67	0.10					0.24

NELHA Water Quality Laboratory

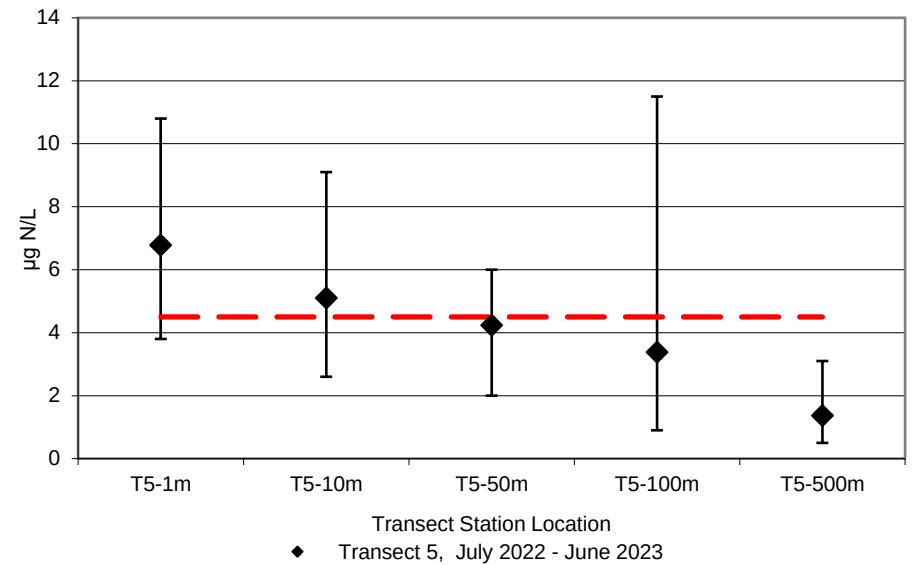
Transect 5

July 2022 - June 2023

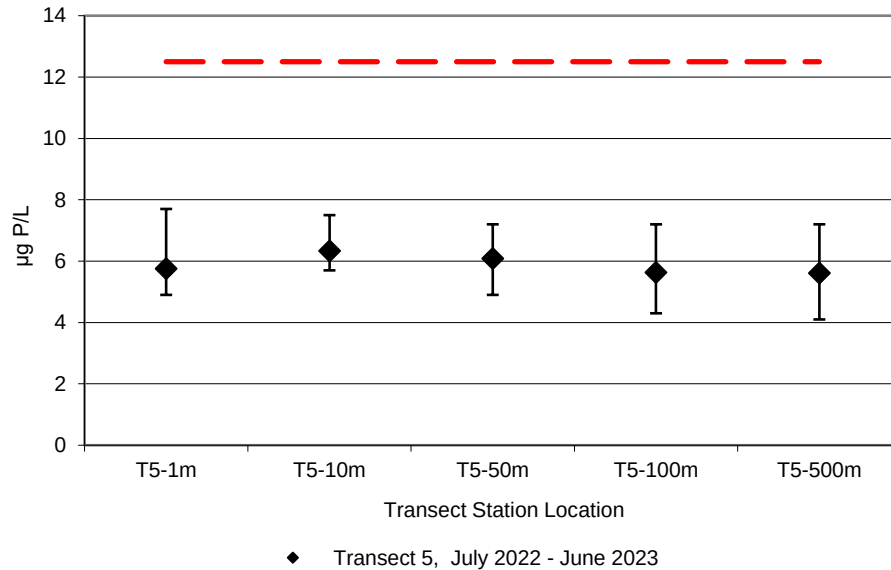
Ortho-Phosphate
Geometric Mean



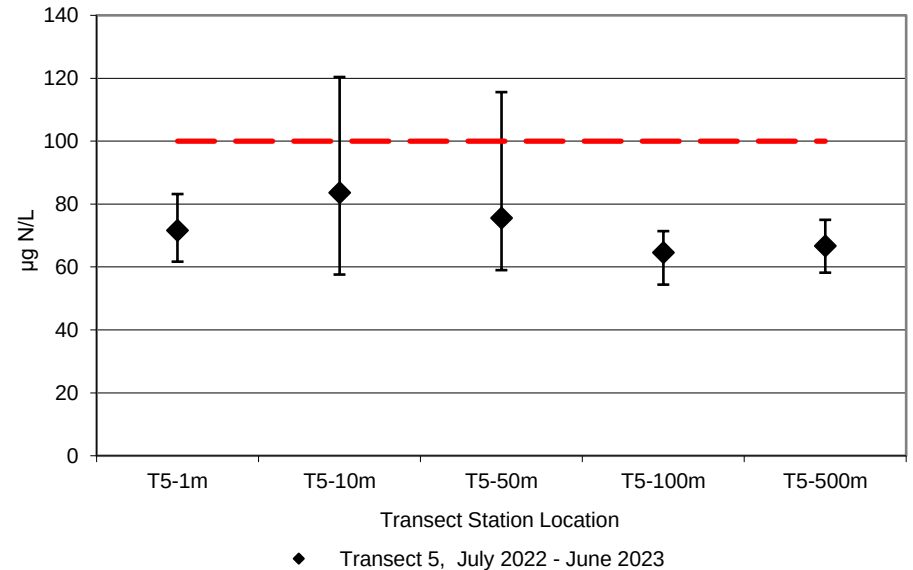
Nitrate + Nitrite
Geometric Mean



Total Dissolved Phosphorous
Geometric Mean



Total Dissolved Nitrogen
Geometric Mean

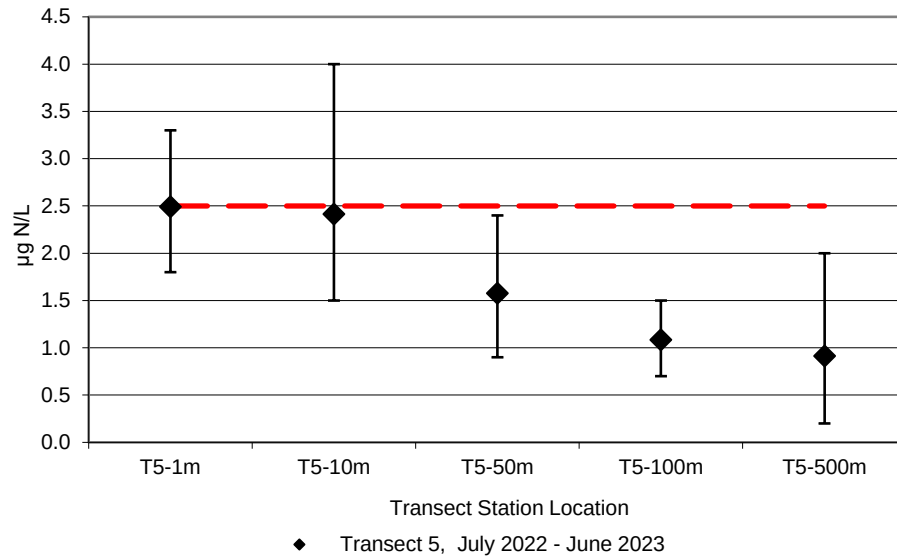


NELHA Water Quality Laboratory

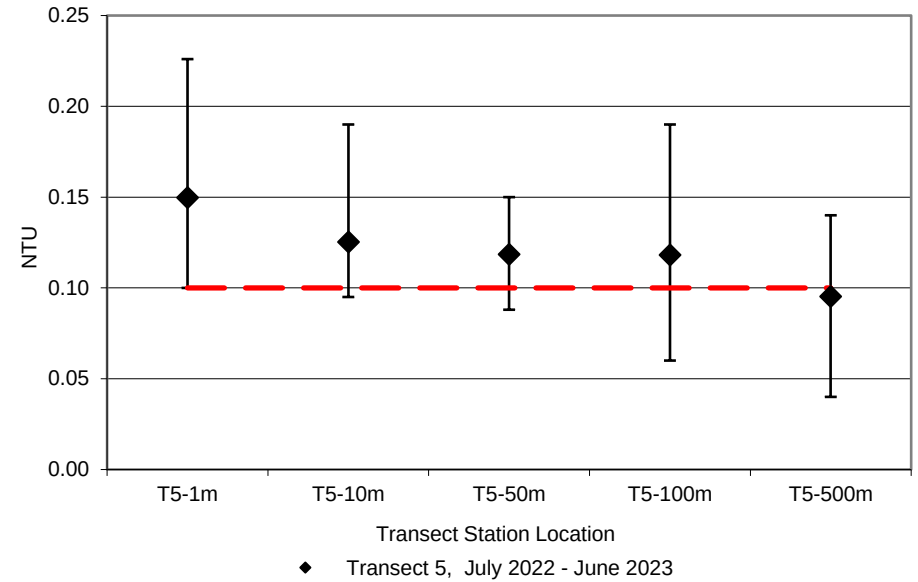
Transect 5

July 2022 - June 2023

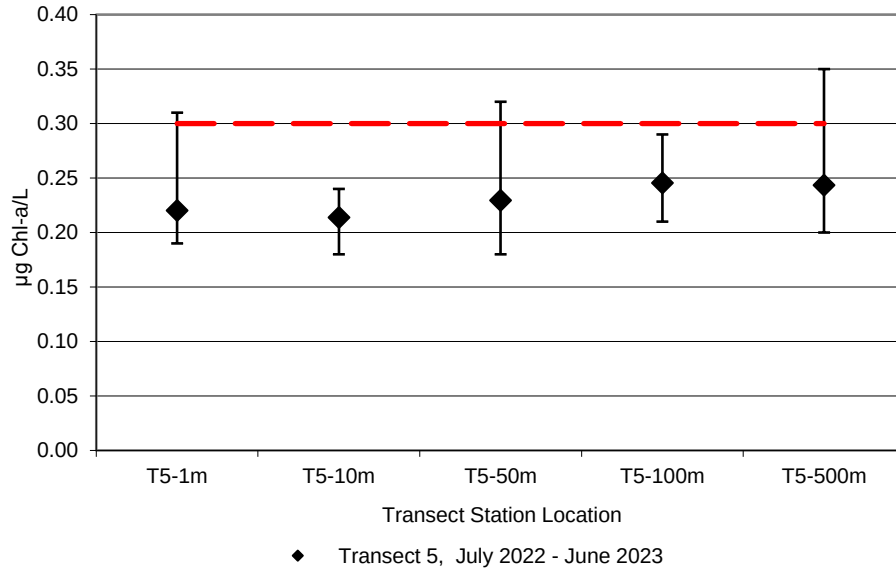
Total Ammonia
Geometric Mean



Turbidity
Geometric Mean



Chlorophyll-a
Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2021 - June 2022

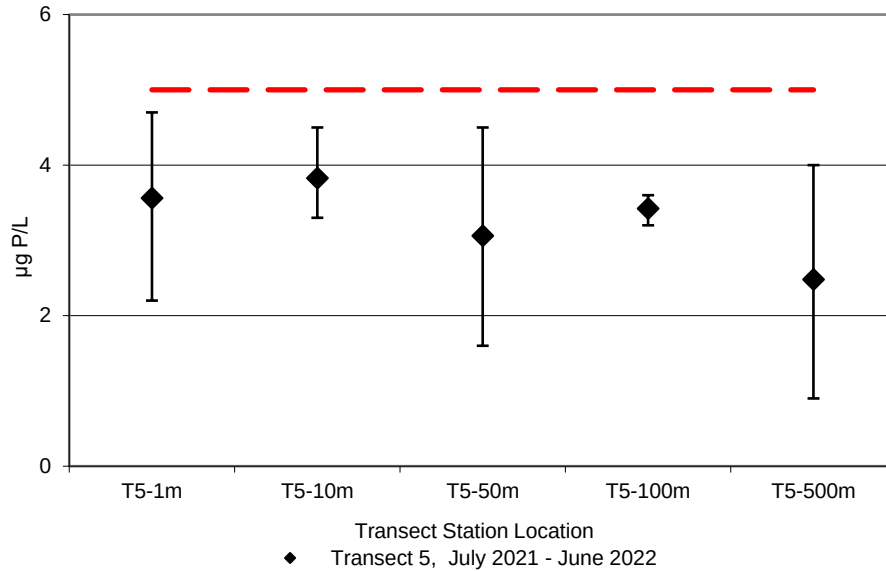
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(o/oo)	(°C)		(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	9/24/21	1035	0.6	Ebb	0.07	2.2	0.56	7.9	0.31	4.4	1.8	51	0.21	6.4	5.7	80	0.09	35.50	26.7	8.02	6.89	0.16
T5-1m	12/16/21	949	0.6	Low	0.15	4.7	0.67	9.4	0.31	4.3	3.3	93	0.27	8.5	5.4	75	0.07	35.04	25.9	8.11	6.80	0.18
T5-1m	3/16/22	1032	0.3	Flood	0.13	3.9	0.25	3.5	0.20	2.8	1.1	32	0.31	9.6	4.8	67	0.06	34.91	25.5	8.08	7.03	0.16
T5-1m	6/9/22	930	0.7	Flood	0.13	4.0	0.37	5.2	0.50	7.0	2.9	83	0.30	9.2	4.7	66	0.08	34.40	26.3	8.03	6.96	0.22
Geomear FY '22					0.12	3.6	0.43	6.1	0.3	4.4			0.3	8.3	5.1	72	0.07					0.18
T5-10m	9/24/21	1039	0.6	Ebb	0.11	3.3	0.49	6.8	0.29	4.1	1.5	42	0.18	5.6	5.1	72	0.09	35.46	26.7	8.02	6.89	0.14
T5-10m	12/16/21	953	0.6	Low	0.12	3.7	0.43	6.0	0.24	3.3	2.0	56	0.26	7.9	4.9	69	0.08	35.07	26.0	8.11	6.77	0.17
T5-10m	3/16/22	1037	0.3	Flood	0.13	3.9	0.45	6.3	0.20	2.8	3.4	96	0.32	9.8	4.6	64	0.06	34.84	25.5	8.08	7.10	0.20
T5-10m	6/9/22	935	0.7	Flood	0.15	4.5	0.57	8.0	0.42	5.9	4.4	123	0.28	8.8	4.5	64	0.10	34.38	26.3	8.02	6.85	0.21
Geomear FY '22					0.12	3.8	0.48	6.7	0.3	3.9			0.3	7.9	4.8	67	0.08					0.18
T5-50m	9/24/21	1043	0.6	Ebb	0.05	1.6	0.41	5.8	0.20	2.8	1.5	41	0.18	5.6	4.9	69	0.10	35.50	26.8	8.00	6.73	0.14
T5-50m	12/16/21	959	0.6	Low	0.12	3.8	0.27	3.8	0.19	2.6	1.4	39	0.27	8.5	4.6	65	0.05	35.09	26.0	8.11	6.71	0.18
T5-50m	3/16/22	1042	0.3	Flood	0.10	3.2	0.20	2.8	0.12	1.7	1.0	29	0.31	9.7	4.3	60	0.07	34.91	25.5	8.07	6.91	0.19
T5-50m	6/9/22	941	0.7	Flood	0.15	4.5	1.26	17.7	0.51	7.2	8.9	249	0.30	9.2	5.4	76	0.09	34.24	26.3	8.00	6.61	0.34
Geomear FY '22					0.10	3.1	0.41	5.7	0.2	3.1			0.3	8.1	4.8	67	0.07					0.20
T5-100m	9/24/21	1050	0.6	Ebb	0.10	3.2	0.47	6.6	0.30	4.2	2.0	57	0.19	6	4.9	69	0.10	35.52	26.8	8.00	6.66	0.14
T5-100m	12/16/21	1005	0.6	Low	0.12	3.6	0.19	2.7	0.14	2.0	1.6	46	0.25	7.8	4.3	61	0.08	35.09	26.0	8.11	6.69	0.22
T5-100m	3/16/22	1049	0.3	Flood	0.11	3.4	0.02	0.3	0.10	1.4	-0.2	-4	0.31	9.7	4.3	60	0.03	34.93	25.5	8.07	6.84	0.18
T5-100m	6/9/22	947	0.7	Flood	0.11	3.5	0.54	7.6	0.44	6.2	6.0	170	0.28	8.7	4.5	64	0.13	34.32	26.3	8.00	6.57	0.27
Geomear FY '22					0.11	3.4	0.18	2.5	0.2	2.9			0.3	7.9	4.5	63	0.07					0.20
T5-500m	9/24/21	1057	0.6	Ebb	0.03	0.9	0.04	0.6	0.36	5.1	-0.3	-8	0.18	5.7	4.6	64	0.06	35.55	26.9	8.02	6.65	0.24
T5-500m	12/16/21	1018	0.6	Low	0.13	4.0	0.30	4.2	0.12	1.7	2.3	65	0.27	8.3	4.7	65	0.06	35.06	25.9	8.11	6.64	0.23
T5-500m	3/16/22	1055	0.3	Flood	0.11	3.4	0.01	0.1	0.05	0.7	-0.1	-2	0.30	9.4	4.1	58	0.08	34.91	25.6	8.07	6.83	0.20
T5-500m	6/9/22	954	0.7	Flood	0.10	3.1	0.21	2.9	0.29	4.1	1.7	49	0.26	8.1	4.5	63	0.06	34.45	26.4	8.02	6.70	0.21
Geomear FY '22					0.08	2.5	0.07	0.9	0.2	2.2			0.3	7.7	4.5	63	0.06					0.22

NELHA Water Quality Laboratory

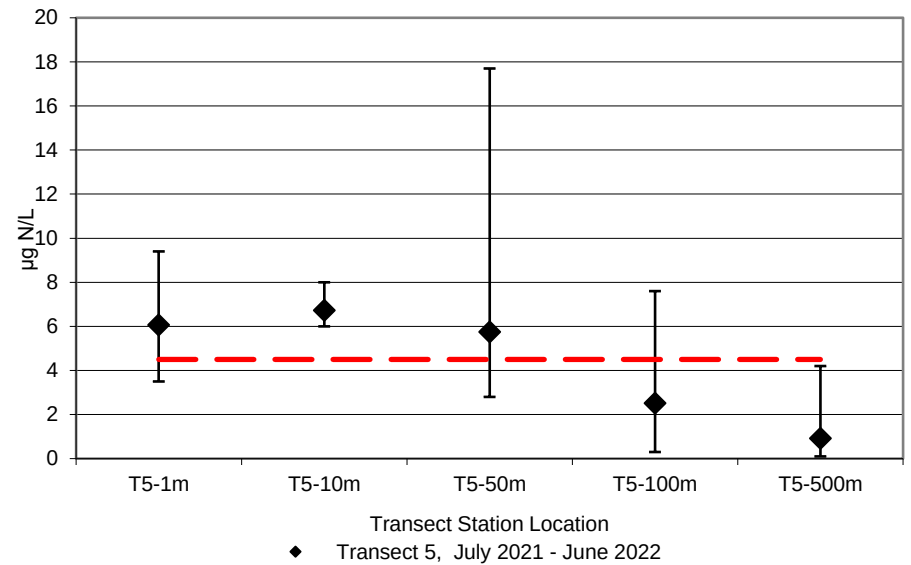
Transect 5

July 2021 - June 2022

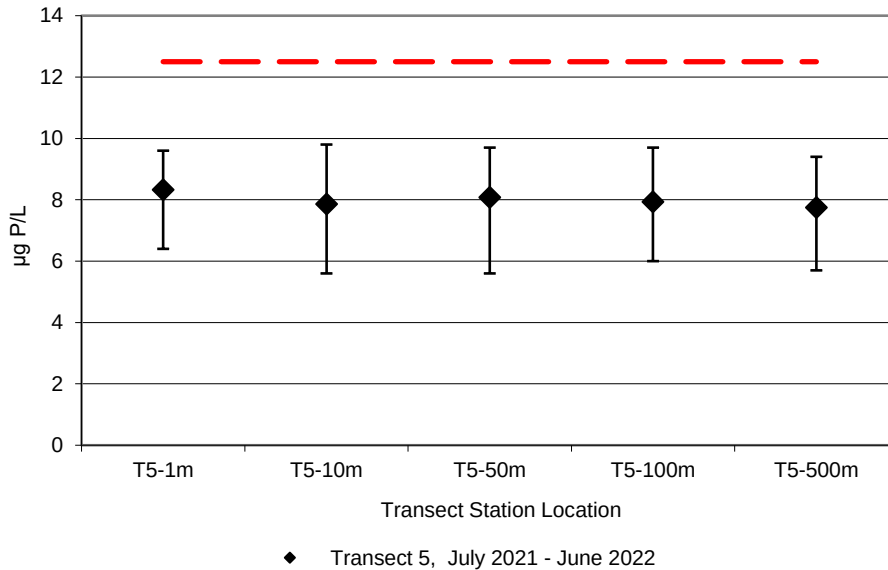
Ortho-Phosphate
Geometric Mean



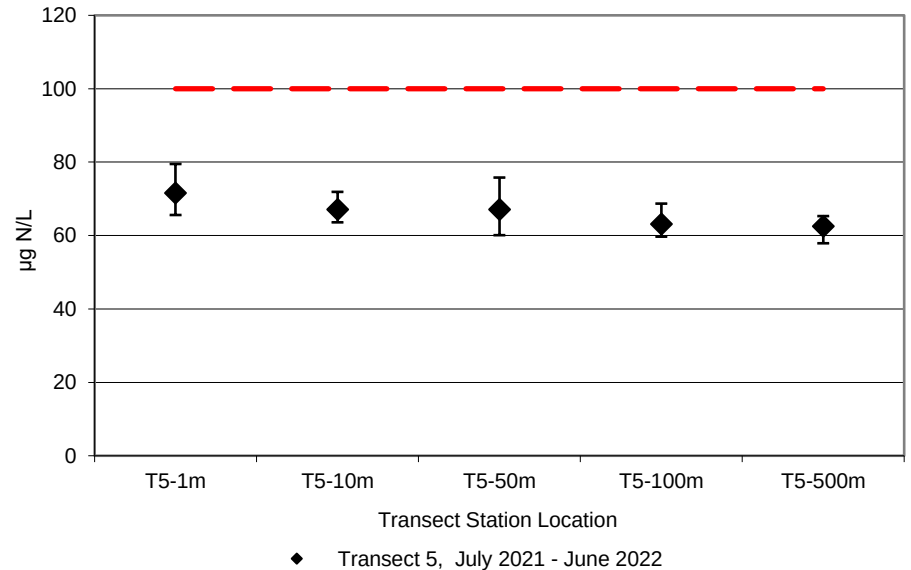
Nitrate + Nitrite
Geometric Mean



Total Dissolved Phosphorous
Geometric Mean



Total Dissolved Nitrogen
Geometric Mean

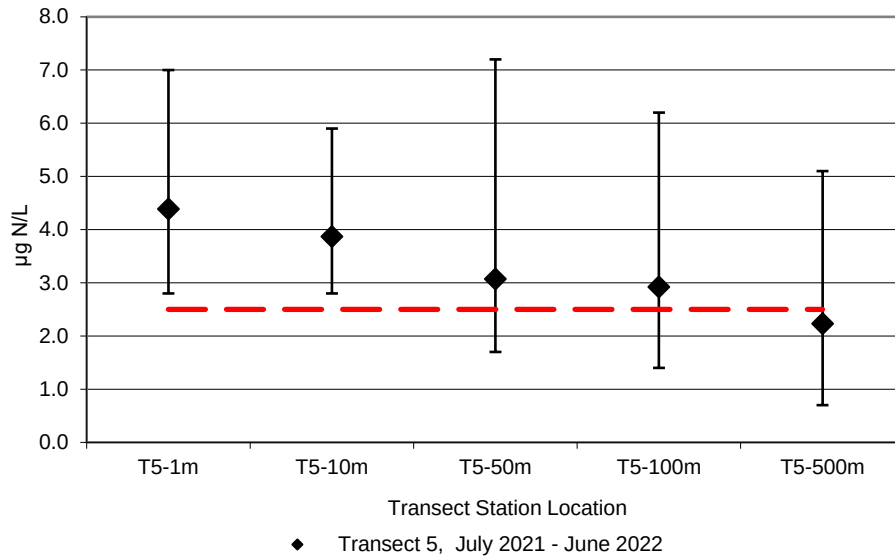


NELHA Water Quality Laboratory

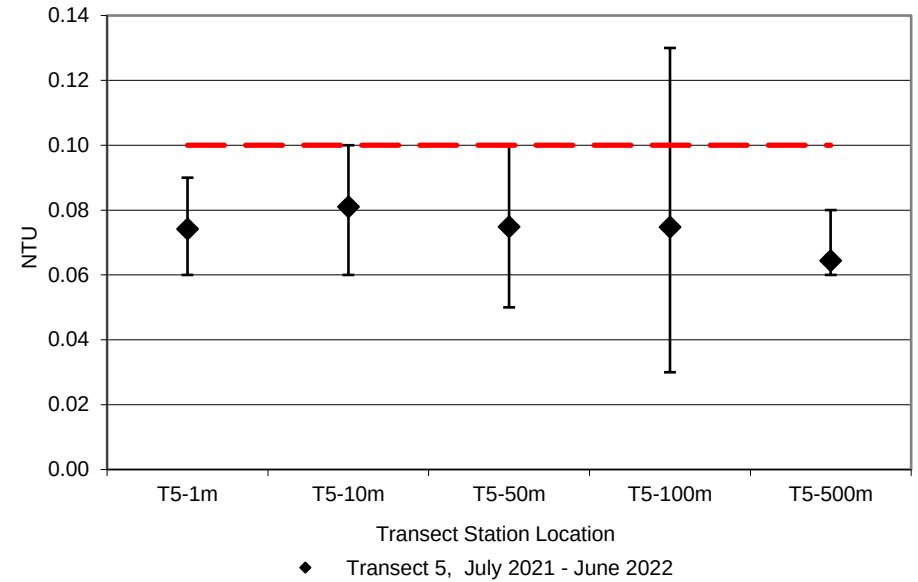
Transect 5

July 2021 - June 2022

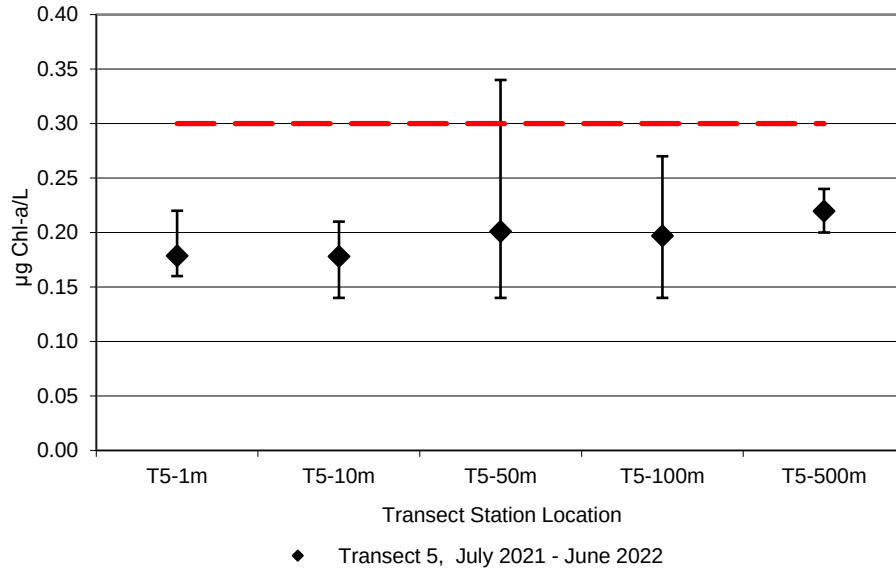
Total Ammonia
Geometric Mean



Turbidity
Geometric Mean



Chlorophyll-a
Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2020 - June 2021

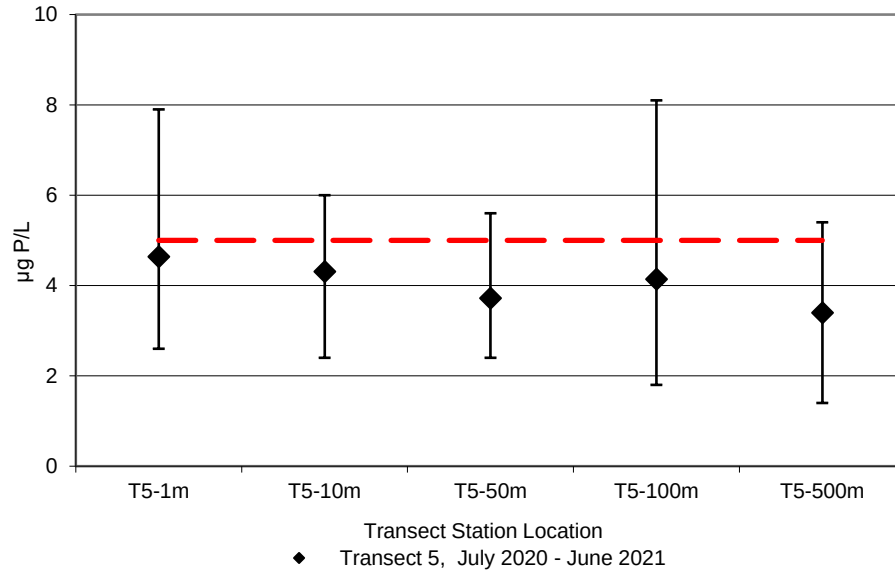
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(o/oo)	(°C)		(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	9/23/20	955	1.9	High	0.13	4.1	0.20	2.8	0.63	8.8	1.0	28	0.37	11.4	7.7	108	0.02	36.09	26.2	8.17	5.83	0.19
T5-1m	12/16/20	956	0.8	Ebb	0.18	5.5	0.71	9.9	0.42	5.9	3.2	91	0.30	9.3	6.2	87	0.11	35.53	26.5	8.11	6.89	0.18
T5-1m	3/10/21	1008	0.3	Low	0.26	7.9	0.66	9.3	0.19	2.6	3.8	106	0.34	10.5	4.6	64	0.06	35.59	24.7	8.08	6.94	0.17
T5-1m	5/26/21	1006	-0.2	Low	0.08	2.6	0.57	8.0	0.09	1.3	4.2	119	0.16	4.9	5.0	70	0.09	35.50	25.6	8.01	7.13	0.24
Geomear FY '21					0.15	4.6	0.48	6.7	0.3	3.6			0.3	8.6	5.7	80	0.06					0.19
T5-10m	9/23/20	1000	1.9	High	0.15	4.8	0.20	2.8	0.47	6.6	0.8	23	0.32	9.9	5.6	79	0.04	36.10	26.2	8.20	5.84	0.14
T5-10m	12/16/20	1003	0.8	Ebb	0.16	5.0	0.68	9.5	0.38	5.3	3.1	88	0.30	9.2	6.1	85	0.08	35.51	26.5	8.11	6.89	0.16
T5-10m	3/10/21	1013	0.3	Low	0.19	6.0	0.56	7.9	0.33	4.6	4.1	115	0.32	10.0	4.1	57	0.09	35.58	24.7	8.08	6.95	0.16
T5-10m	5/26/21	1003	-0.2	Low	0.08	2.4	0.60	8.4	0.19	2.6	6.4	179	0.13	4.1	6.7	94	0.11	35.52	25.6	8.01	7.12	0.23
Geomear FY '21					0.14	4.3	0.46	6.5	0.3	4.5			0.3	7.8	5.5	77	0.08					0.17
T5-50m	9/23/20	1006	1.9	High	0.16	4.9	0.19	2.6	0.30	4.2	1.3	35	0.36	11.1	6.8	95	0.04	36.10	26.2	8.19	5.80	0.21
T5-50m	12/16/20	1009	0.8	Ebb	0.18	5.6	0.71	9.9	0.45	6.3	3.4	95	0.31	9.6	6.5	91	0.08	35.52	26.5	8.11	6.85	0.18
T5-50m	3/10/21	1018	0.3	Low	0.09	2.9	0.79	11.0	0.28	3.9	6.1	172	0.36	11.3	5.1	71	0.07	35.57	24.7	8.08	6.92	0.16
T5-50m	5/26/21	959	-0.2	Low	0.08	2.4	0.65	9.1	0.14	1.9	4.2	119	0.08	2.6	6.1	85	0.07	35.53	25.6	8.01	7.03	0.21
Geomear FY '21					0.12	3.7	0.51	7.1	0.3	3.7			0.2	7.5	6.1	85	0.06					0.19
T5-100m	9/23/20	1011	1.9	High	0.17	5.3	0.09	1.2	0.16	2.3	1.1	32	0.33	10.3	6.2	87	0.02	36.10	26.2	8.19	5.57	0.24
T5-100m	12/16/20	1015	0.8	Ebb	0.12	3.8	0.01	0.1	0.29	4.0	0.0	-1	0.27	8.3	5.3	75	0.05	35.59	26.6	8.11	6.63	0.13
T5-100m	3/10/21	1024	0.3	Low	0.26	8.1	1.16	16.2	0.35	4.9	6.5	182	0.38	11.7	5.4	75	0.09	35.52	24.7	8.08	6.98	0.18
T5-100m	5/26/21	953	-0.2	Low	0.06	1.8	0.59	8.2	0.19	2.7	4.2	117	0.12	3.8	5.7	79	0.07	35.44	25.6	8.00	6.88	0.17
Geomear FY '21					0.13	4.1	0.14	2.0	0.2	3.3			0.3	7.9	5.6	79	0.05					0.18
T5-500m	9/23/20	1020	1.9	High	0.17	5.4	0.04	0.5	0.11	1.6	1.2	35	0.35	10.8	6.3	89	0.02	36.11	26.2	8.19	5.51	0.21
T5-500m	12/16/20	1024	0.8	Ebb	0.14	4.4	0.16	2.3	0.21	2.9	0.1	3	0.28	8.8	5.6	78	0.04	35.57	26.5	8.11	6.64	0.11
T5-500m	3/10/21	1032	0.3	Low	0.13	4.0	0.24	3.3	0.16	2.2	0.6	16	0.30	9.2	3.8	53	0.06	35.73	24.8	8.09	6.81	0.17
T5-500m	5/26/21	947	-0.2	Low	0.05	1.4	0.17	2.4	0.09	1.2	1.3	37	0.13	3.9	4.4	62	0.05	35.64	25.6	8.01	6.81	0.13
Geomear FY '21					0.11	3.4	0.12	1.7	0.1	1.9			0.2	7.6	4.9	69	0.04					0.15

NELHA Water Quality Laboratory

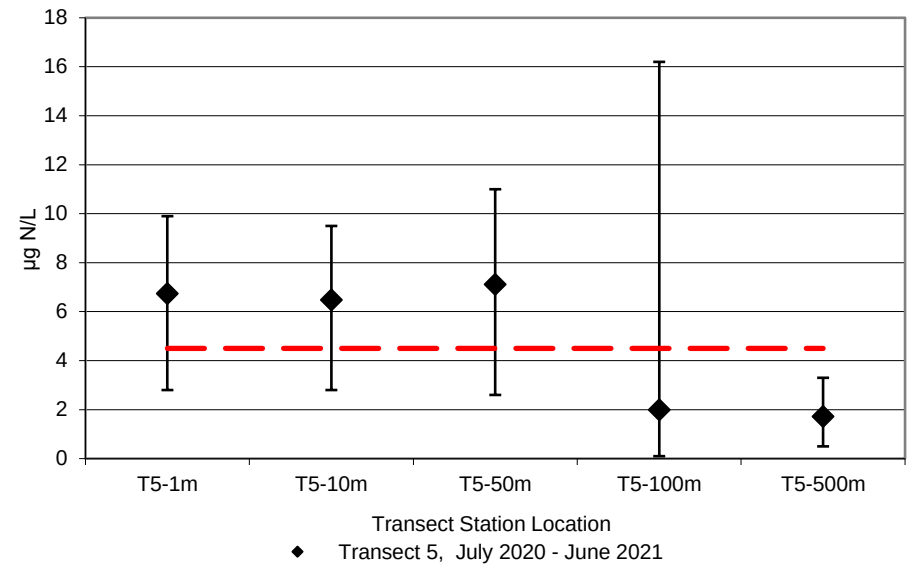
Transect 5

July 2020 - June 2021

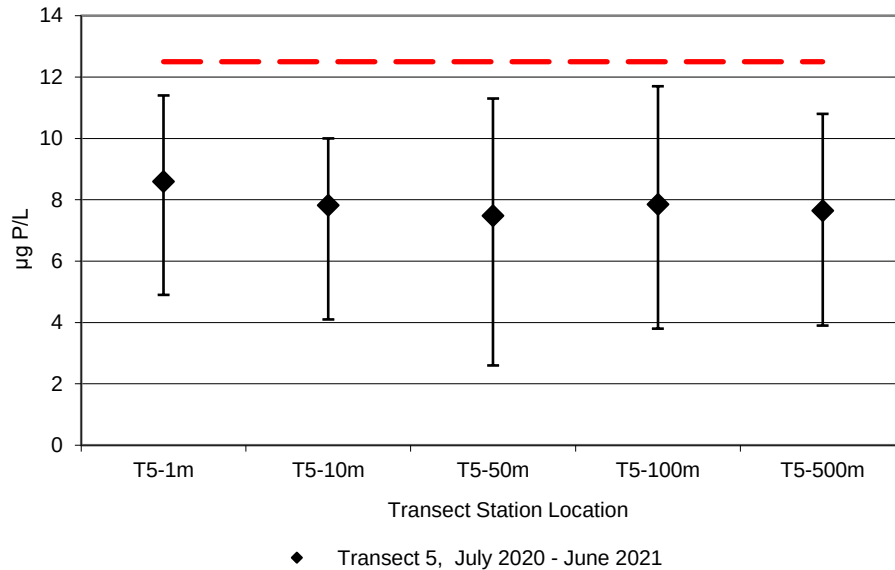
**Ortho-Phosphate
Geometric Mean**



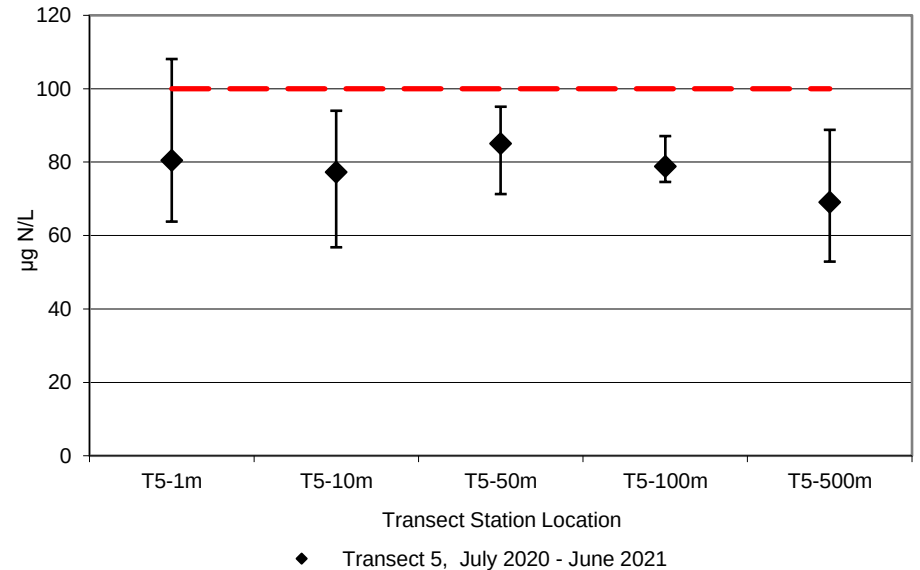
**Nitrate + Nitrite
Geometric Mean**



**Total Dissolved Phosphorous
Geometric Mean**



**Total Dissolved Nitrogen
Geometric Mean**

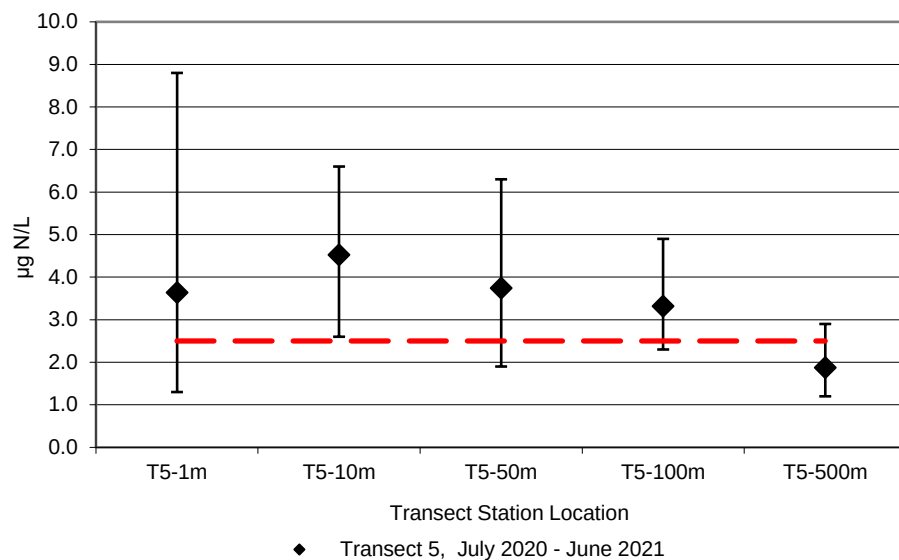


NELHA Water Quality Laboratory

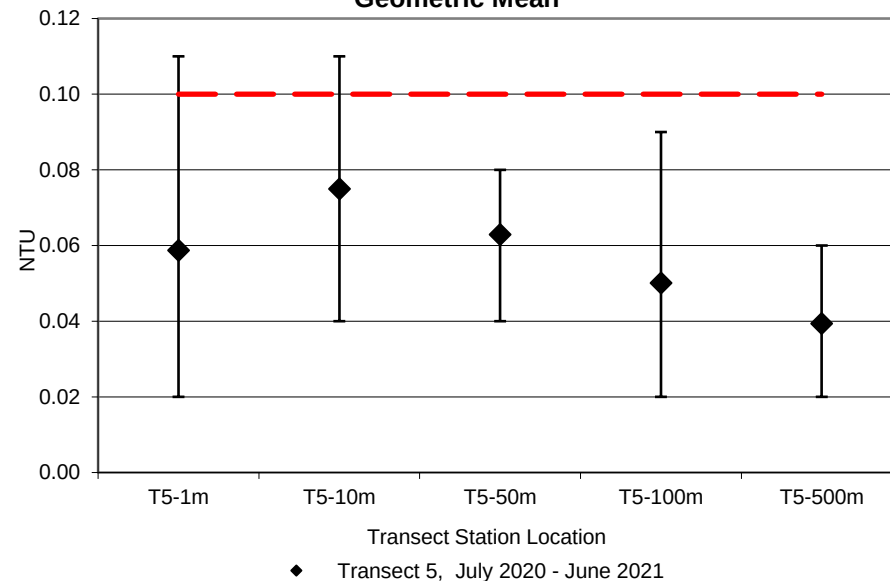
Transect 5

July 2020 - June 2021

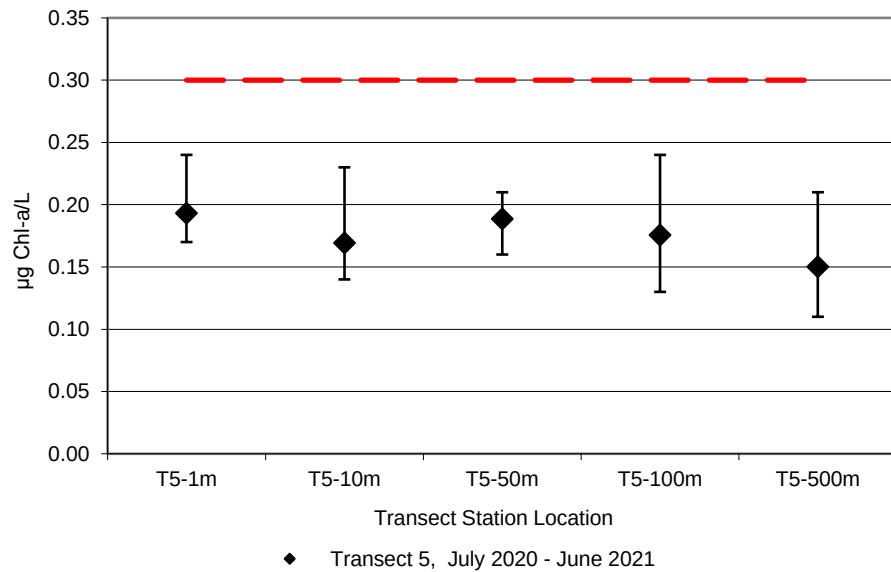
Total Ammonia Geometric Mean



Turbidity Geometric Mean



Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5, Station 1

7/26/1993 - 7/10/2025

SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coli.	Enteroc.
	M/D/Y	(2400)	(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 P/L)	(mgC/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(µg/L)	Bact/100 ml	Bact/100 ml
DOH LIMIT			5		4.5		2.5				12.5		100					0.10					0.30		
O5-1S-8r	7/26/93	1221	0.18	5.6	0.12	1.7	0.43	6.0	5.2	147	0.21	6.5	8.2	114	0.28	8.67	1.21	0.10	34.423	27.3	8.29	7.15			
O5-1S-8r	12/6/93	1133	0.06	1.9	0.41	5.7	0.03	0.4	3.1	88	0.25	7.7	7.2	101	0.25	7.74	1.22	0.13	34.825	25.7	8.26	7.01			
O5-1S-8r	3/7/94	1039	0.24	7.4	0.86	12.0	0.17	2.4	7.5	211	0.31	9.6	7.2	101	0.31	9.60	1.12	0.08	34.080	25.0	8.23	7.21	0.01	3	<1
O5-1S-8r	6/15/94	1045	0.14	4.3	0.34	4.8	0.08	1.1	4.5	125	0.23	7.1	6.3	88	0.30	9.29	1.14	0.12	34.491	25.9	8.24	7.08	0.15	<1	<1
Geomear FY '94			4.3		4.9		1.6				7.7		101					0.11					0.04		
O5-1S-8r	9/9/94	1005	0.11	3.4	0.54	7.6	0.21	2.9	5.0	140	0.30	9.3	7.1	99	0.31	9.60	1.24	0.11	34.524	27.8	8.24	6.87	0.01	<1	<1
O5-1S-8r	#####	938	0.16	5.0	0.69	9.7	0.52	7.3	7.1	200	0.35	10.8	5.7	80	0.39	12.08	1.02	0.09	34.492	26.1	8.28	7.03	0.09	<1	<1
O5-1S-8r	3/22/95	1031	0.21	6.5	0.34	4.8	0.37	5.2	4.3	120	0.34	10.5	5.2	73	0.34	10.53	1.02	0.09	34.172	25.3	8.25	7.16	0.20	<1	<1
O5-1S-8r	6/20/95	1006	0.11	3.4	0.18	2.5	0.06	0.8	2.3	65	0.29	9.0	5.4	76	0.29	8.98	0.88	0.07	34.454	26.4	8.23	6.96	0.11	<1	<1
Geomear FY '95			4.4		5.4		3.1				9.9		81					0.09					0.07		
O5-1S-8r	9/28/95	948	0.09	2.8	0.05	0.7	0.50	7.0	2.3	65	0.28	8.7	7.2	100	0.28	8.67	1.07	0.14	34.606	27.4	8.30	6.66	0.05	<1	<1
O5-1S-8r	#####	958	0.12	3.7	0.16	2.2	0.46	6.4	2.2	63	0.31	9.6	4.2	60	0.31	9.60	1.02	0.10	34.366	26.8	8.27	6.88	0.01	<1	<1
O5-1S-8r	3/12/96	1033	0.15	4.6	0.31	4.3	0.56	7.8	4.0	113	0.34	10.5	4.5	63	0.34	10.53	0.99	0.07	34.141	25.6	8.22	7.21	0.14	<1	<1
O5-1S-8r	5/14/96	1035	0.12	3.7	0.33	4.6	0.22	3.1	6.0	168	0.30	9.3	6.6	92	0.30	9.29	1.12	0.10	34.231	27.3	8.21	7.15	0.09	1	2
Geomear FY '96			3.7		2.4		5.7				9.5		77					0.10					0.05		
O5-1S-8r	7/31/96	1055	0.10	3.1	0.61	8.5	0.48	6.7	8.2	231	0.27	8.4	4.7	65	0.27	8.36	0.99	0.11	34.297	28.0	8.24	6.53	0.21	<1	<1
O5-1S-8r	10/2/96	1023	0.08	2.5	0.10	1.4	0.28	3.9	2.9	81	0.26	8.1	5.3	74	0.26	8.05	1.05	0.08	34.644	28.1	8.23	6.71	0.22	<1	1
O5-1S-8r	1/7/97	1026	0.12	3.7	0.65	9.1	0.22	3.1	5.6	158	0.29	9.0	5.2	73	0.29	8.98	1.02	0.21	34.572	25.7	8.28	6.99	0.06	<1	<1
O5-1S-8r	4/28/97	1047	0.16	5.0	0.40	5.6	0.43	6.0	5.7	159	1.07	33.1	5.1	71	1.56	48.32	1.04	0.13	34.323	26.7	8.28	6.77	0.04	<1	<1
Geomear FY '97			3.4		5.0		4.7				11.9		71					0.12					0.10		
O5-1S-8r	8/19/97	1032	0.11	3.4	0.59	8.3	0.26	3.6	7.9	223	0.35	10.8	4.5	63	0.35	10.84	1.03	0.11	34.546	27.0	8.38	6.60	0.15	<1	<1
O5-1S-8r	10/7/97	930	0.10	3.1	0.09	1.3	0.36	5.0	4.0	113	0.29	9.0	5.9	82	0.29	8.98	1.13	0.08	34.744	27.5	8.45	6.87	0.16	<1	<1
O5-1S-8r	3/4/98	1036	0.14	4.3	0.69	9.7	0.25	3.5	8.4	237	0.33	10.2	5.5	77	0.34	10.53	1.01	0.08	34.908	25.1	8.22	7.01	0.06	<1	<1
O5-1S-8r	5/5/98	1041	0.13	4.0	0.70	9.8	0.27	3.8	7.6	213	0.36	11.2	5.4	76	0.36	11.15	0.90	0.08	34.911	24.2	8.24	7.24	0.09	<1	<1
Geomear FY '98			3.7		5.6		3.9				10.3		74					0.09					0.11		
O5-1S-8r	7/7/98	1107	0.13	4.0	0.36	5.0	0.07	1.0	6.8	191	0.38	11.8	5.4	75	0.39	12.08	1.04	0.09	34.908	26.3	8.24	6.99	0.17	<1	<1
O5-1S-8r	10/6/98	1016	0.13	4.0	0.40	5.6	0.14	2.0	4.0	113	0.38	11.8	5.6	79	0.40	12.39	1.06	0.10	35.052	27.1	8.22	7.78	0.12	<1	<1
O5-1S-8r	1/19/99	1051	0.11	3.4	0.46	6.4	0.13	1.8	5.2	147	0.35	10.8	4.9	69	0.35	10.84	1.18	0.09	35.026	25.2	8.24	7.16	0.09	<1	<1
O5-1S-8r	4/13/99	1132	0.17	5.3	0.39	5.5	0.16	2.2	5.9	166	0.43	13.3	6.4	90	0.43	13.32	n/a	0.11	34.579	24.5	8.23	7.45	0.16	<1	<1
Geomear FY '99			4.1		5.6		1.7				11.9		78					0.10					0.13		

NELHA Water Quality Laboratory

Transect 5, Station 1

7/26/1993 - 7/10/2025

SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coli.	Entero.
	M/D/Y	(2400)	(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 P/L)	(mgC/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(µg/L)	Bact/100 ml	Bact/100 ml
DOH LIMIT			5		4.5		2.5				12.5		100					0.10					0.30		
O5-1S-8r 8/16/99	1104		0.11	3.4	0.05	0.7	0.37	5.2	1.9	52	0.35	10.8	4.3	60	0.35	10.84	1.05	0.08	34.855	26.0	8.26	6.98	0.19	<1	<1
O5-1S-8r #####	1153		0.17	5.3	0.72	10.1	0.39	5.5	8.1	228	0.37	11.5	5.5	77	0.37	11.46	1.03	0.11	34.797	26.2	8.29	7.12	0.10	<1	<1
O5-1S-8r 1/12/00	1053		0.13	4.0	0.32	4.5	0.36	5.0	4.2	117	0.34	10.5	5.7	80	0.35	10.84	0.93	0.06	35.056	24.9	8.26	7.14	0.06	<1	<1
O5-1S-8r 4/11/00	959		0.12	3.7	0.22	3.1	0.04	0.6	3.6	102	0.31	9.6	5.6	78	0.31	9.60	1.10	0.07	34.830	24.4	8.27	7.17	0.07	<1	1
Geomear FY '00			4.0		3.1		3.0				10.6		73					0.08					0.09		
O5-1S-8r 7/25/00	1107		0.10	3.1	0.07	1.0	0.04	0.6	2.7	75	0.31	9.6	5.0	70	0.34	10.53	0.94	0.07	34.851	26.7	8.28	6.79	0.12	<1	<1
O5-1S-8r #####	1057		0.12	3.7	0.28	3.9	0.29	4.1	10.1	284	0.38	11.8	5.1	71	0.40	12.39	1.06	0.10	34.905	27.1	8.26	6.78	0.06	<1	<1
O5-1S-8r 3/6/01	1047		0.17	5.3	0.67	9.4	0.10	1.4	4.9	138	0.37	11.5	6.8	96	0.38	11.77	1.22	0.12	34.655	24.9	8.22	6.73	0.16	<1	<1
O5-1S-8r 5/8/01	1137		0.14	4.3	0.56	7.8	0.25	3.5	7.0	195	0.38	11.8	5.3	74	0.40	12.39	1.00	0.07	34.670	24.9	8.22	7.23	0.15	<1	<1
Geomear FY '01			4.0		4.1		1.8				11.1		77					0.09					0.11		
O5-1S-8r 8/13/01	942		0.09	2.8	0.01	0.1	0.20	2.8	2.1	58	0.36	11.2	5.7	79	0.37	11.46	1.09	0.11	34.876	26.6	8.22	6.68	0.11	1	<1
O5-1S-8r #####	1050		0.18	5.6	0.06	0.8	0.06	0.8	3.2	89	0.40	12.4	5.4	76	0.40	12.39	1.07	0.12	34.926	27.5	8.23	6.95	0.16	<1	<1
O5-1S-8r 3/6/02	1002		0.17	5.3	0.24	3.4	0.06	0.8	5.7	160	0.38	11.8	4.9	69	0.40	12.39	0.99	0.11	34.645	24.2	8.22	6.88	0.19	<1	<1
O5-1S-8r 4/15/02	1007		0.20	6.2	1.03	14.4	0.07	1.0	7.5	211	0.45	13.9	6.3	88	0.46	14.25	1.05	0.08	34.343	25.5	8.21	6.81	0.09	<1	<1
Geomear FY '02			4.7		1.5		1.2				12.3		78					0.10					0.13		
O5-1S-8r 7/10/02	1002		0.21	6.5	0.68	9.5	0.19	2.7	7.2	201	0.39	12.1	6.2	87	0.39	12.08	0.82	0.06	34.554	26.4	8.22	6.90	0.09	<1	<1
O5-1S-8r 10/8/02	1010		0.11	3.4	0.54	7.6	0.12	1.7	8.5	238	0.35	10.8	5.3	74	0.35	10.84	1.04	0.08	34.873	27.0	8.25	9.43	0.07	<1	3
O5-1S-8r 3/11/03	1138		0.11	3.4	0.21	2.9	0.06	0.8	3.7	104	0.34	10.5	5.3	74	0.35	10.84	1.06	0.09	34.688	25.1	8.27	7.09	0.16	<1	<1
O5-1S-8r 4/23/03	1006		0.12	3.7	0.03	0.4	0.03	0.4	4.4	123	0.36	11.2	5.7	80	0.36	11.15	0.94	0.18	34.983	25.1	8.28	7.49	0.11	<1	<1
Geomear FY '03			4.1		3.1		1.1				11.1		79					0.09					0.10		
O5-1S-8r 8/21/03	1010		0.10	3.1	0.01	0.1	0.01	0.1	6.2	174	0.38	11.8	6.5	91	0.38	11.77	n/a	0.07	34.823	28.4	8.27	6.84	0.05	3	<1
O5-1S-8r 11/3/03	938		0.11	3.4	0.02	0.3	0.26	3.6	2.4	67	0.39	12.1	5.9	83	0.40	12.39	n/a	0.09	34.664	27.4	8.23	n/a	0.12	<1	<1
O5-1S-8r 3/18/04	1008		0.11	3.4	0.42	5.9	0.27	3.8	4.4	123	0.40	12.4	5.5	77	0.39	12.08	n/a	n/a	34.325	25.8	8.25	9.86	0.17	<1	<1
O5-1S-8r 5/24/04	1023		0.16	5.0	0.33	4.6	0.12	1.7	6.6	186	0.44	13.6	5.7	80	0.43	13.32	n/a	n/a	33.40	26.8	8.25	7.08	0.01	<1	<1
Geomear FY '04			3.7		1.0		1.3				12.4		83					0.08					0.06		
O5-1S-8r 9/22/04	1058		0.08	2.5	0.01	0.1	0.28	3.9	3.0	85	0.30	9.3	4.8	67	0.32	9.91	n/a	0.08	33.73	27.9	8.26	6.76	0.10	<1	1
O5-1S-8r #####	1001		0.10	3.1	0.27	3.8	0.13	1.8	2.4	67	0.32	9.9	5.2	73	0.33	10.22	n/a	0.09	33.80	27.1	8.29	6.53	0.06	<1	<1
O5-1S-8r 1/24/05	1040		0.07	2.2	0.27	3.8	0.10	1.4	4.5	125	0.30	9.3	5.6	79	0.29	8.98	n/a	0.08	34.805	25.7	8.33	6.89	0.10	<1	<1
O5-1S-8r 4/13/05	1042		0.13	4.0	0.16	2.2	0.17	2.4	3.2	90	0.39	12.1	5.1	71	0.39	12.08	n/a	0.10	n/a	25.5	8.30	6.96	0.06	<1	<1
Geomear FY '05			2.9		1.5		2.2				10.1		72					0.09					0.08		

NELHA Water Quality Laboratory

Transect 5, Station 1

7/26/1993 - 7/10/2025

SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coli.	Entero.
	M/D/Y	(2400)	(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 P/L)	(mgC/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)	Bact/100 ml	Bact/100 ml
DOH LIMIT			5		4.5		2.5				12.5		100					0.10					0.30		
O5-1S-8r 7/21/05	958		0.07	2.2	0.51	7.1	0.36	5.0	6.6	184	0.33	10.2	3.9	55	0.34	10.53	n/a	0.21	34.585	27.4	8.26	7.79	0.04	<1	<1
O5-1S-8r #####	949		0.07	2.2	0.34	4.8	0.21	2.9	4.6	129	0.34	10.5	3.7	52	0.34	10.53	0.99	0.12	34.915	27.3	8.27	6.48	0.07	<1	<1
O5-1S-8r 3/15/06	908		0.10	3.1	0.07	1.0	0.35	4.9	5.1	144	0.34	10.5	5.0	70	0.36	11.15	n/a	0.08	34.817	24.3	8.25	7.89	0.09	<1	<1
O5-1S-8r 5/17/06	949		0.19	5.9	1.32	18.5	0.05	0.7	8.8	247	0.50	15.5	6.0	85	0.51	15.80	1.28	0.17	34.505	24.9	8.25	6.94	0.18	<1	<1
Geomear FY '06			3.0		5.0		2.7				11.5		64					0.14					0.08		
O5-1S-8r 8/16/06	958		0.12	3.7	0.45	6.3	0.34	4.8	2.1	60	0.35	10.8	5.3	74	0.41	12.70	0.95	0.18	34.665	26.8	8.23	7.13	0.08	<1	<1
O5-1S-8r #####	1000		0.12	3.7	0.35	4.9	0.24	3.4	2.0	55	0.36	11.2	5.4	75	0.37	11.46	1.11	0.12	34.797	26.7	8.27	6.78	0.08	<1	<1
O5-1S-8r 2/12/07	1053		0.15	4.6	0.35	4.9	0.41	5.7	1.9	53	0.39	12.1	6.0	84	0.41	12.70	1.43	0.17	34.404	24?	8.24	6.88	0.09	<1	<1
O5-1S-8r 4/16/07	1041		0.16	5.0	1.35	18.9	0.41	5.7	13.0	365	0.39	12.1	6.3	88	0.43	13.32	0.89	0.19	34.352	26.0	8.25	6.49	0.07		
Geomear FY '07			4.2		7.3		4.8				11.5		80					0.16					0.08		
T5-1m 9/27/07	940		0.13	4.1	0.37	5.2	0.41	5.8	4.8	135	0.51	15.7	6.6	92				0.10	34.975	26.7	8.07	6.18	0.12		
T5-1m #####	942		0.10	3.1	0.31	4.3			4.8	135	0.35	10.8	6.7	94				0.14	34.722	25.7	8.21	6.72	0.23		
T5-1m 3/11/08	951		0.11	3.3	0.51	7.2	0.06	0.8	5.5	156	0.24	7.3	6.7	94				0.09	34.82	24.8	8.08	6.52	0.32		
T5-1m 6/9/08	1024		0.09	2.7	0.17	2.4	0.16	2.2	13.2	372	0.28	8.6	8.8	124				0.16	35.681	25.0	8.12	5.81	0.13		
Geomear FY '08			3.3		4.4		2.2				10.2		100					0.12					0.18		
T5-1m 9/23/08	1108		0.03	1	0.19	2.7	0.31	4.3	2.3	64	0.35	10.9	5.9	83				0.08	34.837	26.7	8.07	6.31	0.09		
T5-1m 12/8/08	1017		0.23	7.2	0.15	2.1	0.73	10.2	1.3	35	0.03	0.8	6.2	87				0.10	35.001	26.2	8.30	6.25	0.05		
T5-1m 2/10/09	911		0.21	6.6	0.71	9.9	0.12	1.7	4.3	122	0.37	11.5	7.5	105				0.12	35.005	24.7	8.05	6.03	0.06		
T5-1m 6/30/09	1001		0.25	7.8	0.39	5.5	0.67	9.4	4.4	124	0.43	13.2	5.6	78				0.08	34.905	26.7	8.16	5.82	0.10		
Geomear FY '09			4.4		4.2		5.1				6.0		88					0.09					0.07		
T5-1m 9/10/09	956		0.15	4.5	0.20	2.8	0.03	0.4	44.8	1259	0.52	16	5.9	83				0.05	35.26	27.3	8.23	5.56	0.09		
T5-1m #####	931		0.02	0.766	0.20	2.8	0.16	2.3	12.0	336	0.33	10.3	5.1	72				0.03	35.27	25.2	8.26	6.54	0.13		
T5-1m 2/24/10	1009		0.17	5.4	1.04	14.6	0.28	3.9	8.2	231	0.29	9.1	6.4	89				0.07	35.09	24.6	8.22	5.50	0.39		
T5-1m 5/25/10	924		0.03	1	0.34	4.7	0.20	2.8	3.1	88	0.29	9.1	7.4	104				0.06	34.73	25.2	8.27	6.72	0.06		
Geomear FY '10			2.1		4.8		1.8				10.8		86					0.05					0.13		
T5-1m 8/11/10	943		0.02	0.6	0.57	8	0.22	3.1	3.8	108	0.36	11.3	4.1	57				0.06	34.94	26.00	8.23	6.69	0.08		
T5-1m 11/9/10	941		0.02	0.766	0.20	2.8	0.16	2.3	12.0	336	0.33	10.3	5.1	72				0.07	34.91	26.26	8.26	6.42	0.08		
T5-1m 1/11/11	1204		0.15	4.6	0.44	6.2	0.14	1.9	10.9	305	0.44	13.7	3.9	55				0.05	35.01	25.06	8.21	6.65	0.09		
T5-1m 4/27/11	948		0.13	4.1	0.66	9.2	0.24	3.3	4.6	130	0.47	14.6	4.3	61				0.08	34.82	24.90	8.23	6.47	0.12		
Geomear FY '11			1.7		6.0		2.6				12.4		61					0.06					0.09		

NELHA Water Quality Laboratory

Transect 5, Station 1

7/26/1993 - 7/10/2025

SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coli.	Entero.
	M/D/Y	(2400)	(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 P/L)	(mgC/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)	Bact/100 ml	Bact/100 ml
DOH LIMIT			5		4.5		2.5				12.5		100					0.10					0.30		
T5-1m	7/27/11	1031	0.19	5.9	0.40	5.6	0.22	3.1	1.7	48	0.54	16.7	5.5	77				0.13	34.79	25.98	8.22	6.47	0.08		
T5-1m	#####	1009	0.03	1	0.20	2.8	0.13	1.8	1.7	48	0.36	11.1	5.2	73				0.04	35.12	26.52	8.26	7.26	0.08		
T5-1m	1/26/12	940	0.05	1.6	0.18	2.5	0.01	0.2	2.2	62	0.44	13.6	6.2	87				0.05	35.01	24.46	8.20	6.74	0.10		
T5-1m	4/25/12	1009	0.21	6.5	0.47	6.6	0.46	6.4	2.2	62	0.54	16.8	8.5	120				0.05	34.83	24.82	8.20	6.83	0.10		
Geomear FY '12			2.8		4.0		1.6				14.3		87					0.06					0.09		
T5-1m	7/25/12	951	0.03	0.8	0.24	3.4	0.26	3.6	1.3	36	0.40	12.5	6.3	88				0.08	35.12	26.35	8.24	6.88	0.10		
T5-1m	#####	951	0.07	2.2	0.51	7.2	0.18	2.5	3.7	103	0.68	21.1	8.6	121				0.03	35.18	25.24	8.20	6.68	0.05		
T5-1m	1/24/13	939	0.08	2.4	0.39	5.4	0.19	2.7	2.2	63	0.60	18.5	5.3	74				0.04	35.06	24.76	8.22	6.36	0.21		
T5-1m	4/17/13	1053	0.21	6.5	0.93	13	0.15	2.1	5.3	149	0.62	19.3	6.3	88				0.05	35.03	25.17	8.21	6.87	0.10		
Geomear FY '13			2.3		6.4		2.7				17.5		91					0.05					0.10		
T5-1m	8/6/13	1029	0.14	4.4	2.11	29.5	0.36	5.0	14.6	409	0.67	20.7	5.9	82				0.03	34.81	26.3	8.28	7.07	0.08		
T5-1m	#####	935	0.14	4.4	0.34	4.8	0.19	2.7	2.5	69	0.46	14.3	4.6	64				0.02	34.89	27.0	8.22	6.10	0.11		
T5-1m	2/5/14	959	0.15	4.5	0.42	5.9	0.29	4.1	2.9	80	0.50	15.5	5.4	76				0.02	34.95	25.2	8.20	6.38	0.15		
T5-1m	5/7/14	953	0.13	3.9	0.38	5.3	0.14	1.9	1.4	41	0.49	15.3	6.8	95				0.04	34.79	25.7	8.20	5.65	0.11		
Geomear FY '14			4.3		8.2		3.2				16.3		79					0.03					0.11		
T5-1m	8/6/14	948	0.17	5.2	0.12	1.7	0.41	5.8	0.9	26	0.54	16.7	7.1	99				0.10	34.95	26.7	8.23	6.31	0.10		
T5-1m	12/4/14	1018	0.13	4.1	0.42	5.9	0.55	7.7	2.3	65	0.41	12.6	6.8	95				0.07	35.17	26.3	8.24	6.43	0.11		
T5-1m	3/5/15	1012	0.05	1.7	0.98	13.7	0.27	3.8	4.5	125	0.39	12.1	7.0	97				0.10	34.69	25.3	8.27	7.00	0.14		
T5-1m	6/18/15	950	0.18	5.6	0.69	9.7	0.35	4.9	5.9	166	0.47	14.7	8.5	119				0.08	34.31	26.6	8.15	6.70	0.08		
Geomear FY '15			3.8		6.0		5.4				13.9		102					0.09					0.11		
T5-1m	8/27/15	958	0.15	4.8	0.39	5.4	0.25	3.5	3.2	90	0.39	12.0	4.7	66				0.03	34.46	28.5	8.26	6.25	0.27		
T5-1m	#####	1022	0.14	4.3	0.59	8.3	0.54	7.5	3.5	98	0.50	15.4	4.9	68				0.07	34.62	27.4	8.28	6.96	0.13		
T5-1m	3/2/16	909	0.15	4.6	0.29	4.0	0.39	5.5	0.1	4	0.47	14.5	4.9	69				0.09	34.73	25.2	8.23	5.74	0.08		
T5-1m	5/4/16	1003	0.25	7.6	0.31	4.4	0.17	2.4	2.2	61	0.46	14.2	8.0	113				0.08	34.60	25.9	8.21	6.27	0.09		
Geomear FY '16			5.2		5.3		4.3				14.0		77					0.06					0.13		
T5-1m	7/7/16	1006	0.15	4.6	0.21	2.9	0.46	6.4	2.9	81	0.51	15.9	3.6	50				0.09	34.58	26.8	8.32	6.80	0.18		
T5-1m	#####	1016	0.07	2.2	0.35	4.9	0.46	6.5	1.9	52	0.34	10.5	3.5	50				0.06	34.59	25.5	8.28	6.98	0.20		
T5-1m	3/1/17	1137	0.04	1.1	0.59	8.2	0.08	1.1	2.3	66	0.30	9.4	4.0	57				0.10	34.70	24.6	8.24	5.98	0.17		
T5-1m	5/10/17	1104	0.02	0.7	0.36	5.1	0.09	1.2	2.2	62	0.23	7.1	3.7	52				0.08	34.75	25.8	8.23	4.33	0.10		
Geomear FY '17			1.7		4.9		2.7				10.3		52					0.08					0.16		

NELHA Water Quality Laboratory

Transect 5, Station 1

7/26/1993 - 7/10/2025

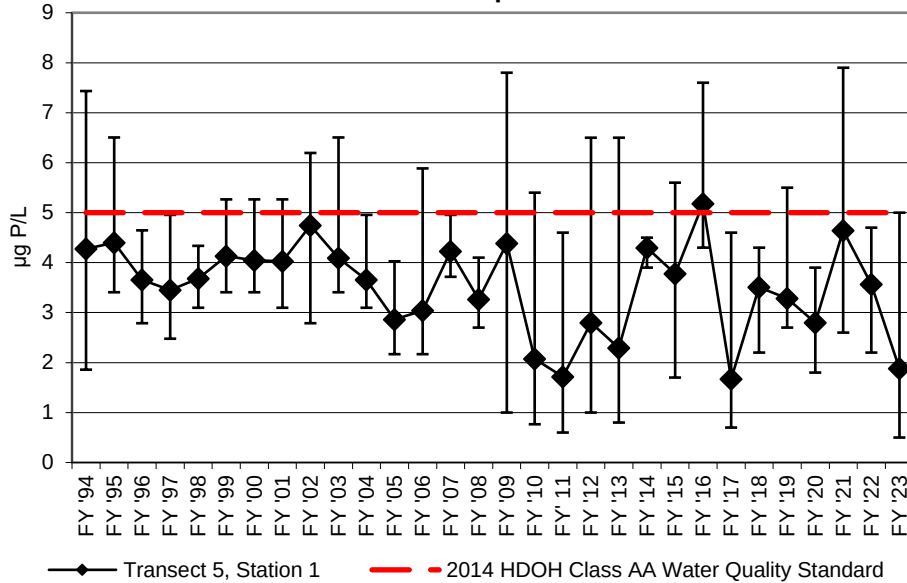
SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coli.	Entero.
	M/D/Y	(2400)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg P/L)	(mgC/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)	Bact/100 ml	Bact/100 ml
DOH LIMIT			5		4.5		2.5				12.5		100					0.10					0.30		
T5-1m	9/28/17	1000	0.14	4.3	0.25	3.5	0.27	3.8	0.8	23	0.42	13.1	4.1	57				0.10	34.82	27.8	8.19	4.94	0.15		
T5-1m	#####	947	0.13	4.1	0.81	11.3	0.39	5.5	4.6	129	0.40	12.4	5.0	70				0.09	35.09	26.3	8.23	5.79	0.15		
T5-1m	2/6/18	1029	0.07	2.2	0.01	0.2	0.39	5.5	1.2	34	0.31	9.7	4.4	62				0.10	34.84	24.9	8.16	5.79	0.11		
T5-1m	5/17/18	1001	0.13	3.9	0.55	7.7	0.31	4.3	5.0	141	0.38	11.9	2.2	31				0.04	34.70	25.9	8.17	6.69	0.13		
Geomear FY '18			3.5		2.8		4.7				11.7		53					0.08					0.13		
T5-1m	9/26/18	1243	0.09	2.7	0.16	2.3	0.14	1.9	0.9	26	0.29	8.9	1.7	23				0.09	34.73	27.6	8.17	4.88	0.15		
T5-1m	#####	1051	0.09	2.7	0.40	5.6	0.26	3.7	0.4	11	0.33	10.3	3.2	44				0.08	34.90	27.3	8.21	6.20	0.16		
T5-1m	1/23/19	1038	0.09	2.9	0.18	2.5	0.15	2.1	1.8	51	0.37	11.4	2.6	37				0.07	34.88	24.9	8.19	5.23	0.21		
T5-1m	4/17/19	1028	0.18	5.5	0.56	7.9	0.23	3.2	4.1	115	0.42	13.1	3.2	45				0.05	34.65	25.7	8.12	7.21	0.13		
Geomear FY '19			3.3		4.0		2.6				10.8		36					0.07					0.16		
T5-1m	8/15/19	1003	0.06	1.8	0.16	2.3	0.41	5.8	3.1	86	0.30	9.4	2.3	32				0.10	35.24	28.2	8.26	6.77	0.14		
T5-1m	#####	1108	0.13	3.9	0.31	4.3	0.17	2.4	0.8	24	0.44	13.7	3.2	45				0.09	35.20	27.5	8.22	6.88	0.13		
T5-1m	1/23/20	1021	0.12	3.8	0.16	2.3	0.09	1.3	1.1	31	0.42	12.9	2.3	33				0.08	34.92	24.9	8.22	7.09	0.10		
T5-1m	6/25/20	942	0.07	2.3	0.01	0.2	0.25	3.5	1.7	48	0.27	8.3	2.7	38				0.08	35.47	26.1	8.17	6.70	0.20		
Geomear FY '20			2.8		1.4		2.8				10.8		37					0.09					0.14		
T5-1m	9/23/20	955	0.13	4.1	0.20	2.8	0.63	8.8	1.0	28	0.37	11.4	7.7	108				0.02	36.09	26.2	8.17	5.83	0.19		
T5-1m	#####	956	0.18	5.5	0.71	9.9	0.42	5.9	3.2	91	0.30	9.3	6.2	87				0.11	35.53	26.5	8.11	6.89	0.18		
T5-1m	3/10/21	1008	0.26	7.9	0.66	9.3	0.19	2.6	3.8	106	0.34	10.5	4.6	64				0.06	35.59	24.7	8.08	6.94	0.17		
T5-1m	5/26/21	1006	0.08	2.6	0.57	8.0	0.09	1.3	4.2	119	0.16	4.9	5.0	70				0.09	35.50	25.6	8.01	7.13	0.24		
Geomear FY '21			4.6		6.7		3.6				8.6		80					0.06					0.19		
T5-1m	9/24/21	1035	0.07	2.2	0.56	7.9	0.31	4.4	1.8	51	0.21	6.4	5.7	80				0.09	35.50	26.7	8.02	6.89	0.16		
T5-1m	#####	949	0.15	4.7	0.67	9.4	0.31	4.3	3.3	93	0.27	8.5	5.4	75				0.07	35.04	25.9	8.11	6.80	0.18		
T5-1m	3/16/22	1032	0.13	3.9	0.25	3.5	0.20	2.8	1.1	32	0.31	9.6	4.8	67				0.06	34.91	25.5	8.08	7.03	0.16		
T5-1m	6/9/22	930	0.13	4.0	0.37	5.2	0.50	7.0	2.9	83	0.30	9.2	4.7	66				0.08	34.40	26.3	8.03	6.96	0.22		
Geomear FY '22			3.6		6.1		4.4				8.3		72					0.07					0.18		
T5-1m	9/22/22	936	0.08	2.5	0.27	3.8	0.17	2.4	1.3	35	0.16	4.9	4.5	64				0.17	34.87	27.1	8.09	6.83	0.19		
T5-1m	#####	1122	0.06	2.0	0.77	10.8	0.19	2.7	3.3	91	0.16	4.9	5.8	81				0.10	34.85	25.7	8.16	7.12	0.19		
T5-1m	3/16/23	838	0.16	5.0	0.72	10.1	0.24	3.3	3.8	106	0.25	7.7	5.9	83				0.13	34.63	24.7	7.98	6.95	0.31		
T5-1m	6/1/23	941	0.02	0.5	0.36	5.1	0.13	1.8	1.2	33	0.19	5.9	4.4	62				0.23	34.72	25.8	8.09	6.93	0.21		
Geomear FY '23			1.9		6.8		2.5				5.7		72					0.15					0.22		

NELHA Water Quality Laboratory

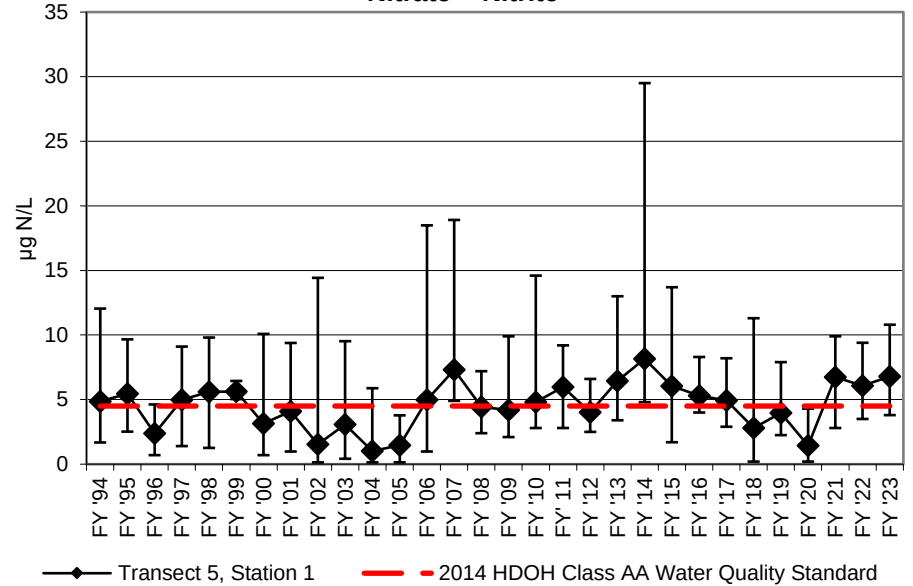
Transect 5, Station 1

7/26/1993 - 7/10/2025

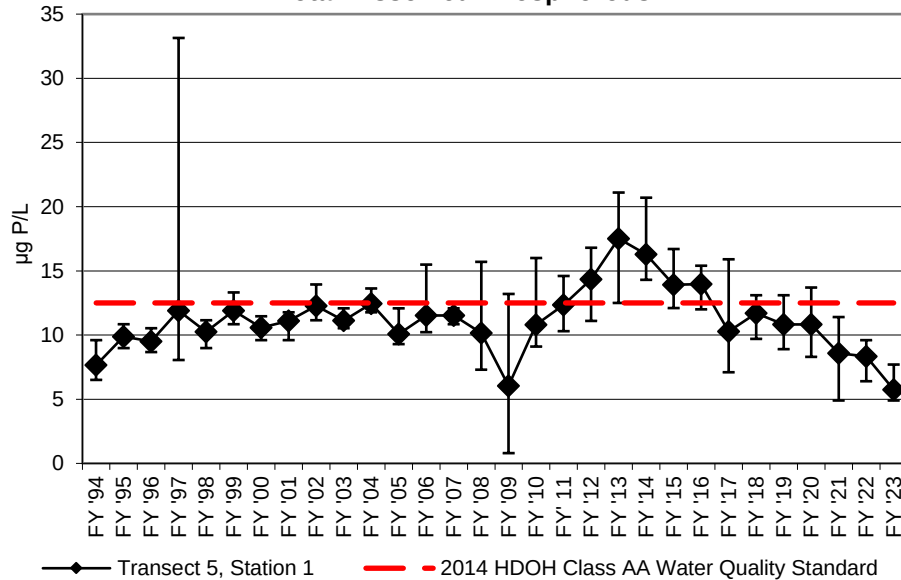
**Yearly Geometric Mean
Ortho-Phosphate**



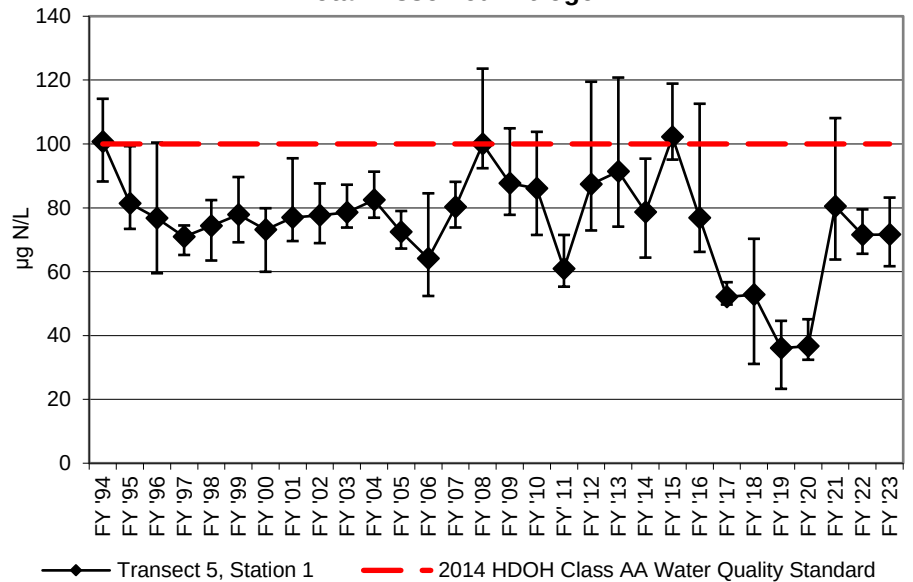
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

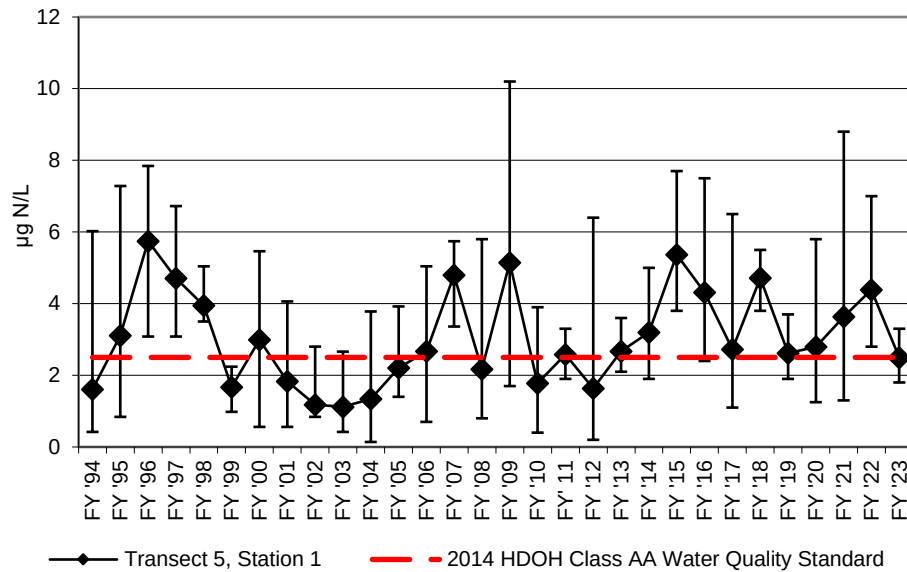


NELHA Water Quality Laboratory

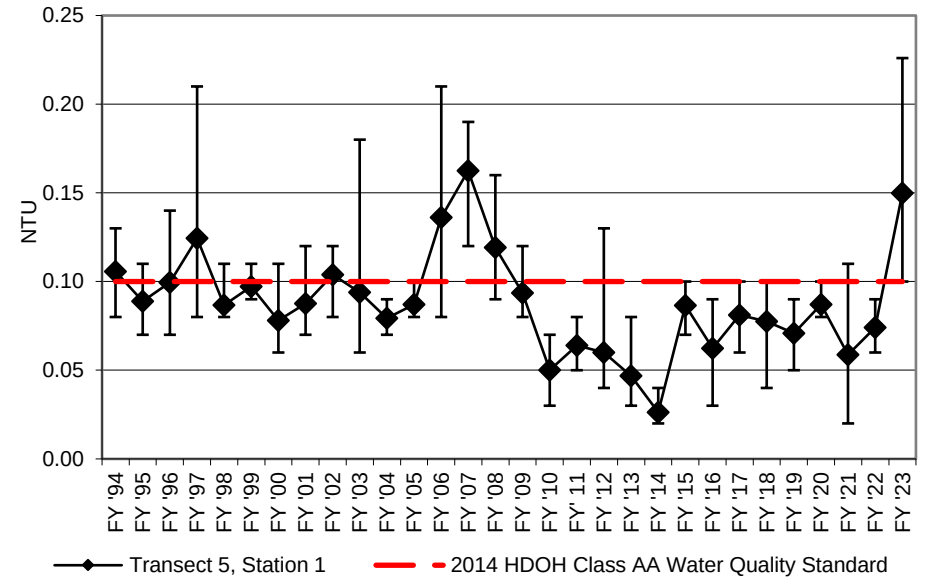
Transect 5, Station 1

7/26/1993 - 7/10/2025

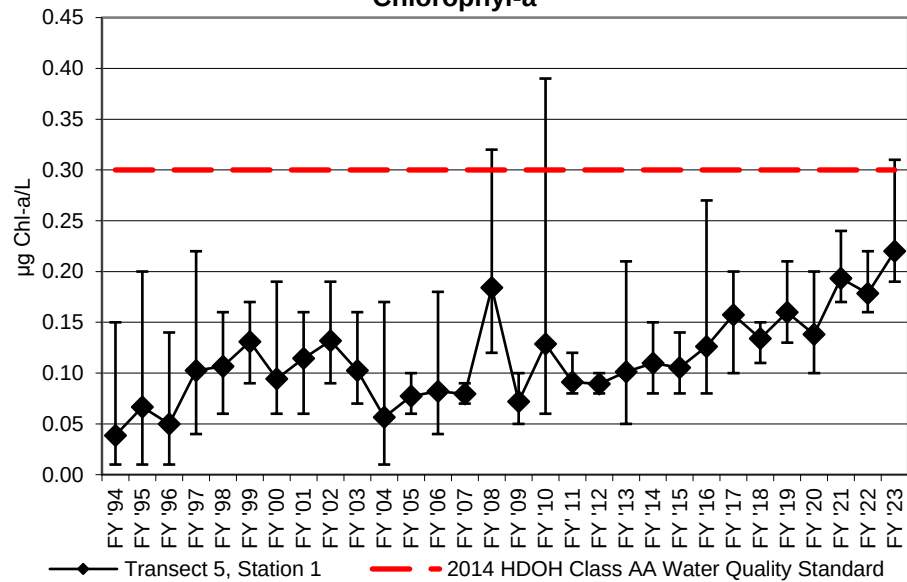
Yearly Geometric Mean Total Ammonia



Yearly Geometric Mean Turbidity



Yearly Geometric Mean Chlorophyll-a



NELHA Water Quality Laboratory

Transect 5, Station 2

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.1					0.3
													6.43 90.06							
O5-2S-23n	7/26/93	950	0.15	4.6	0.15	2.1	0.38	5.3	3.5	99					0.08	34.426	26.8			
O5-2S-23n	12/6/93	1123	0.06	1.9	0.22	3.1	0.06	0.8	2.9	81					0.09	34.876	25.7			
O5-2S-23n	3/7/94	1029	0.24	7.4	0.68	9.5	0.17	2.4	6.2	173					0.10	34.130	25.1			
O5-2S-23n	6/15/94	1025	0.22	6.8	0.21	2.9	0.06	0.8	3.4	95					0.11	34.527	25.7			
Geomean	FY '94		4.6		3.7		1.7								0.09					
O5-2S-23n	9/9/94	1040	0.10	3.1	0.46	6.4	0.19	2.7	4.4	123					0.13	34.538	27.7			
O5-2S-23n	11/14/94	924	0.16	5.0	0.73	10.2	0.55	7.7	7.4	208					0.12	34.496	26.1			
O5-2S-23n	3/22/95	1012	0.18	5.6	0.33	4.6	0.37	5.2	3.7	105					0.09	34.188	25.2			
O5-2S-23n	6/20/95	1000	0.15	4.6	0.10	1.4	0.14	2.0	3.5	99				0.07	34.464	26.4				
Geomean	FY '95		4.5			4.5		3.8							0.10					
O5-2S-23n	9/28/95	813	0.08	2.5	0.07	1.0	0.50	7.0	1.6	46					0.09	34.605	27.2			
O5-2S-23n	11/14/95	951	0.10	3.1	0.08	1.1	0.49	6.9	3.1	86					0.08	34.357	26.8			
O5-2S-23n	3/12/96	1029	0.15	4.6	0.33	4.6	0.56	7.8	4.4	124					0.07	34.135	25.6			
O5-2S-23n	5/14/96	1021	0.12	3.7	0.39	5.5	0.19	2.7	5.7	159				0.10	34.227	27.2				
Geomean	FY '96		3.4		2.3			5.6							0.08					
O5-2S-23n	7/31/96	1050	0.09	2.8	0.41	5.7	0.44	6.2	6.6	186					0.09	34.371	28.0			
O5-2S-23n	10/2/96	1019	0.07	2.2	0.03	0.4	0.26	3.6	2.6	72					0.08	34.640	28.1			
O5-2S-23n	1/7/97	1022	0.12	3.7	0.75	10.5	0.23	3.2	6.0	168					0.07	34.563	25.7			
O5-2S-23n	4/28/97	1044	0.15	4.6	0.23	3.2	0.39	5.5	6.3	176				0.10	34.408	26.8				
Geomean	FY '97		3.2		3.0			4.5							0.08					
O5-2S-23n	8/19/97	1026	0.11	3.4	0.55	7.7	0.28	3.9	5.9	164					0.10	34.558	27.1			
O5-2S-23n	10/7/97	926	0.09	2.8	0.08	1.1	0.34	4.8	2.4	68					0.10	34.751	27.6			
O5-2S-23n	3/4/98	1030	0.13	4.0	0.58	8.1	0.23	3.2	5.3	150					0.07	34.928	25.0			
O5-2S-23n	5/5/98	1036	0.09	2.8	0.16	2.2	0.22	3.1	3.5	99				0.09	35.055	24.3				
Geomean	FY '98		3.2		3.5			3.7							0.09					
O5-2S-23n	7/7/98	1100	0.12	3.7	0.33	4.6	0.07	1.0	6.4	181					0.13	34.912	26.3			
O5-2S-23n	10/6/98	1011	0.10	3.1	0.21	2.9	0.09	1.3	5.7	161					0.08	35.109	27.0			
O5-2S-23n	1/19/99	1046	0.08	2.5	0.23	3.2	0.11	1.5	4.6	128					0.07	35.095	25.3			
O5-2S-23n	4/13/99	1127	0.17	5.3	0.70	9.8	0.13	1.8	9.5	265				0.10	34.480	24.5				
Geomean	FY '99		3.5			4.6	1.4								0.09					

NELHA Water Quality Laboratory

Transect 5, Station 2

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SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-2S-23n	8/16/99	1100	0.10	3.1	0.05	0.7	0.51	7.1	2.1	60					0.10	34.836	26.1			
O5-2S-23n	10/25/99	1148	0.14	4.3	0.66	9.2	0.39	5.5	7.6	214					0.10	34.813	26.3			
O5-2S-23n	1/12/00	1047	0.10	3.1	0.04	0.6	0.26	3.6	2.2	61					0.05	35.114	24.9			
O5-2S-23n	4/11/00	955	0.12	3.7	0.13	1.8	0.02	0.3	3.2	90					0.08	34.838	24.4			
Geomean FY '00			3.5		1.6		2.5								0.08					
O5-2S-23n	7/25/00	1102	0.11	3.4	0.15	2.1	0.06	0.8	3.0	85					0.09	34.851	26.7			
O5-2S-23n	10/31/00	1049	0.12	3.7	0.04	0.6	0.27	3.8	2.9	82					0.06	34.949	27.1			
O5-2S-23n	3/6/01	1041	0.14	4.3	0.25	3.5	0.12	1.7	4.3	121					0.09	34.672	24.9			
O5-2S-23n	5/8/01	1134	0.13	4.0	0.47	6.6	0.21	2.9	7.0	195					0.07	34.708	24.9			
Geomean FY '01			3.9		2.3		2.0								0.08					
O5-2S-23n	8/13/01	936	0.09	2.8	0.01	0.1	0.20	2.8	2.1	58					0.15	34.879	26.6			
O5-2S-23n	10/10/01	1044	0.15	4.6	0.09	1.3	0.06	0.8	3.4	95					0.08	34.920	27.5			
O5-2S-23n	3/6/02	956	0.14	4.3	0.18	2.5	0.06	0.8	4.4	124					0.12	34.664	24.2			
O5-2S-23n	4/15/02	1002	0.15	4.6	0.25	3.5	0.06	0.8	4.6	129					0.08	34.439	25.6			
Geomean FY '02			4.0		1.1		1.1								0.10					
O5-2S-23n	7/10/02	957	0.18	5.6	0.28	3.9	0.15	2.1	4.9	136					0.08	34.620	26.4			
O5-2S-23n	10/8/02	1005	0.06	1.9	0.48	6.7	0.06	0.8	4.0	112					0.10	34.876	27.0			
O5-2S-23n	3/11/03	1132	0.10	3.1	0.13	1.8	0.03	0.4	3.3	92					0.08	34.705	25.3			
O5-2S-23n	4/23/03	1000	0.16	5.0	0.03	0.4	0.03	0.4	3.8	107					0.06	34.992	25.1			
Geomean FY '03			3.6		2.1		0.7								0.08					
O5-2S-23n	8/21/03	956	5.94	184.0	0.09	1.3	0.10	1.4	2.5	70					0.08	34.827	28.3			
O5-2S-23n	11/3/03	929	0.11	3.4	0.01	0.1	0.26	3.6	2.5	71					0.10	34.651	27.2			
O5-2S-23n	3/18/04	1001	0.14	4.3	0.14	2.0	0.26	3.6	2.7	75					n/a	34.373	25.5			
O5-2S-23n	5/24/04	1018	0.15	4.6	0.27	3.8	0.09	1.3	3.9	110					n/a	33.33	26.8			
Geomean FY '04			10.6		1.1		2.2								0.09					
O5-2S-23n	9/22/04	1052	0.07	2.2	0.01	0.1	0.28	3.9	6.7	188					0.08	33.76	27.8			
O5-2S-23n	11/29/04	956	0.08	2.5	0.27	3.8	0.14	2.0	2.0	56					0.07	33.79	27.0			
O5-2S-23n	1/24/05	1035	0.05	1.5	0.01	0.1	0.08	1.1	1.7	47					0.07	34.773	25.6			
O5-2S-23n	4/13/05	1036	0.13	4.0	0.20	2.8	0.20	2.8	3.2	90					0.10	34.424	25.4			
Geomean FY '05			2.4		0.7		2.2								0.08					

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SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-2S-23n	7/21/05	953	0.06	1.9	0.31	4.3	0.34	4.8	7.0	197					0.09	34.647	27.4			
O5-2S-23n	10/13/05	942	0.06	1.9	0.28	3.9	0.21	2.9	4.5	127					0.12	34.794	27.2			
O5-2S-23n	3/15/06	901	0.13	4.0	0.24	3.4	0.27	3.8	8.4	236					0.08	34.781	24.4			
O5-2S-23n	5/17/06	942	0.16	5.0	0.86	12.0	0.05	0.7	6.1	171					0.22	34.539	24.8			
Geomean FY '06			2.9		5.1		2.5								0.12					
O5-2S-23n	8/16/06	951	0.11	3.4	0.43	6.0	0.34	4.8	2.5	70					0.25	34.653	26.8			
O5-2S-23n	11/20/06	952	0.10	3.1	0.18	2.5	0.22	3.1	2.0	56					0.08	34.809	26.9			
O5-2S-23n	2/12/07	1046	0.31	9.6	0.16	2.2	0.48	6.7	0.9	25					0.10	34.436	24.5			
O5-2S-23n	4/16/07	1036	0.15	4.6	0.82	11.5	0.39	5.5	10.2	286					0.41	34.436	26.1			
Geomean FY '07			4.7		4.4		4.8								0.17					
T5-10m	9/27/07	920	0.16	5.0	0.29	4.0	0.36	5.1	6.1	173	0.36	11.0	5.3	74	0.06	34.922	26.8	8.06	6.07	0.20
T5-10m	12/14/07	945	0.06	2.0	0.69	9.7			5.4	151	0.35	10.9	4.8	68	0.10	34.727	25.7	8.21	6.69	0.2
T5-10m	3/11/08	953	0.12	3.6	0.48	6.7	0.06	0.8	19.8	557	0.28	8.7	6.8	96	0.12	34.834	24.8	8.1	6.53	0.37
T5-10m	6/9/08	1028	0.09	2.8	0.17	2.4	0.16	2.2	14.0	392	0.25	7.7	5.2	72	0.07	34.6758	25.0	8.12	5.83	0.08
Geomean FY '08			3.2		5.0		2.1				9.5		77		0.08					0.19
T5-10m	9/23/08	1111	0.04	1.3	0.16	2.2	0.28	3.9	2.5	71	0.29	8.9	4.7	66	0.08	34.836	26.8	8.06	6.21	0.03
T5-10m	12/8/08	1022	0.21	6.5	0.35	4.9	1.03	14.4	1.9	53	0.10	3	5.9	83	0.05	34.990	26.1	8.30	5.85	0.07
T5-10m	2/10/09	918	0.13	3.9	0.41	5.8	0.56	7.9	3.6	101	0.37	11.6	10.8	152	0.10	35.060	24.8	8.05	6.05	0.05
T5-10m	6/30/09	1005	0.29	8.9	0.41	5.8	0.17	2.4	5.2	145	0.23	7	5.3	74	0.11	34.898	26.7	8.17	6.07	0.09
Geomean FY '09			4.1		4.4		5.7				6.8		89		0.08					0.06
T5-10m	9/10/09	1003	0.15	4.5	0.19	2.6	0.92	12.9	43.6	1223	0.26	8.0	4.7	67	0.09	35.27	27.3	8.24	5.71	0.15
T5-10m	11/24/09	937	0.02	0.766	0.16	2.2	0.06	0.9	14.9	420	0.23	7	4.3	60	0.04	35.27	25.2	8.25	6.47	0.12
T5-10m	2/24/10	1013	0.18	5.5	1.09	15.2	0.38	5.3	8.4	236	0.38	11.7	5.4	76	0.07	35.09	24.6	8.23	5.51	0.38
T5-10m	5/25/10	928	0.05	1.4	0.43	6	0.15	2.1	4.0	111	0.19	5.8	4.4	61	0.05	34.77	25.2	8.28	6.67	0.07
Geomean FY '10			2.3		4.8		3.4				7.9		66		0.06					0.15
T5-10m	8/11/10	942	0.05	1.4	0.53	7.4	0.28	3.9	3.0	85	0.32	9.9	3.5	50	0.07	34.94	26.00	8.23	6.70	0.07
T5-10m	11/9/10	944	0.02	0.766	0.16	2.2	0.06	0.9	14.9	420	0.23	7	4.3	60	0.10	34.90	26.23	8.26	6.46	0.09
T5-10m	1/11/11	1208	0.15	4.8	0.41	5.7	0.37	5.2	4.5	126	0.43	13.2	3.6	51	0.03	35.02	25.07	8.21	6.62	0.13
T5-10m	4/27/11	952	0.15	4.6	0.56	7.9	0.30	4.2	4.1	115	0.44	13.5	4.6	64	0.08	34.85	24.90	8.23	6.41	0.11
Geomean FY '11			2.2		5.2		3.0				10.5		56		0.06					0.10

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SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-10m	7/27/11	1035	0.20	6.3	0.44	6.2	0.32	4.5	2.0	57	0.50	15.4	5.4	76	0.07	34.79	26.02	8.22	6.49	0.07
T5-10m	10/19/11	1012	0.05	1.4	0.21	2.9	0.08	1.1	2.2	62	0.40	12.4	6.7	94	0.08	35.13	26.52	8.26	7.25	0.07
T5-10m	1/26/12	944	0.07	2.3	0.23	3.2	0.11	1.5	2.6	73	0.61	18.8	6.8	95	0.09	35.01	24.46	8.18	6.74	0.12
T5-10m	4/25/12	1011	0.17	5.3	0.46	6.5	0.34	4.8	1.9	53	0.46	14.4	7.5	105	0.06	34.84	24.82	8.20	6.84	0.17
Geomean	FY '12		3.2		4.4		2.4				15.1		92		0.07					0.10
T5-10m	7/25/12	954	0.05	1.6	0.21	2.9	0.19	2.7	1.4	38	0.57	17.7	6.3	89	0.23	35.12	26.35	8.24	6.86	0.20
T5-10m	11/28/12	956	0.11	3.5	0.60	8.4	0.20	2.8	4.0	112	0.56	17.3	8.7	122	0.02	35.19	25.24	8.20	6.69	0.12
T5-10m	1/24/13	943	0.08	2.5	0.41	5.7	0.11	1.6	2.5	71	0.52	16	5.7	80	0.04	35.06	24.76	8.21	6.37	0.17
T5-10m	4/17/13	1058	0.22	6.9	0.99	13.9	0.45	6.3	5.5	153	0.59	18.3	7.3	103	0.08	35.03	25.16	8.21	6.88	0.12
Geomean	FY '13		3.1		6.6		3.0				17.3		97		0.06					0.15
T5-10m	8/6/13	1034	0.16	5.0	1.49	20.8	0.37	5.2	10.8	304	0.34	10.6	6.7	94	0.07	34.94	26.3	8.27	7.17	0.08
T5-10m	10/30/13	938	0.16	4.9	0.32	4.5	0.24	3.4	2.3	65	0.47	14.6	6.8	95	0.02	34.90	27.0	8.23	6.13	0.12
T5-10m	2/5/14	1003	0.15	4.5	0.42	5.9	0.31	4.3	2.8	77	0.56	17.5	9.2	128	0.02	34.96	25.2	8.22	6.23	0.11
T5-10m	5/7/14	956	0.12	3.7	0.44	6.1	0.20	2.8	2.0	57	0.39	12.2	7.4	104	0.08	34.79	25.7	8.20	5.64	0.09
Geomean	FY '14		4.5		7.6		3.8				13.5		104		0.04					0.10
T5-10m	8/6/14	951	0.17	5.4	0.12	1.7	0.34	4.8	0.9	24	0.52	16.0	7.1	99	0.11	34.95	26.7	8.24	6.23	0.12
T5-10m	12/4/14	1023	0.14	4.2	0.78	10.9	0.61	8.5	3.8	106	0.06	2.0	7.4	103	0.11	35.17	26.4	8.25	6.55	0.11
T5-10m	3/5/15	1019	0.05	1.4	0.46	6.5	0.21	2.9	2.4	66	0.31	9.5	7.1	99	0.10	34.72	25.4	8.27	6.87	0.10
T5-10m	6/18/15	956	0.13	4.0	0.21	2.9	0.40	5.6	4.1	115	0.42	13.1	7.5	105	0.08	34.40	26.6	8.15	6.67	0.09
Geomean	FY '15		3.4		4.3		5.1				7.9		101		0.10					0.10
T5-10m	8/27/15	1003	0.14	4.3	0.02	0.3	0.19	2.7	2.9	80	0.33	10.2	4.6	64	0.02	34.63	28.6	8.27	5.97	0.23
T5-10m	11/18/15	1028	0.13	3.9	0.44	6.1	0.27	3.8	4.1	117	0.48	14.8	3.3	46	0.04	34.65	27.4	8.28	6.69	0.13
T5-10m	3/2/16	913	0.14	4.2	0.21	3.0	0.24	3.3	0.2	6	0.51	15.9	5.2	72	0.07	34.74	25.3	8.23	5.75	0.07
T5-10m	5/4/16	1008	0.01	0.4	0.19	2.7	0.21	2.9	1.8	49	0.46	14.3	6.8	96	0.08	34.65	25.9	8.20	6.16	0.17
Geomean	FY '16		2.3		2.0		3.1				13.6		67		0.05					0.14
T5-10m	7/7/16	1011	0.14	4.2	0.53	7.4	0.50	7.0	2.6	74	0.45	13.8	4.9	69	0.09	34.60	26.8	8.32	6.74	0.19
T5-10m	12/21/16	1022	0.06	2.0	0.30	4.2	0.49	6.9	1.9	53	0.33	10.2	2.7	38	0.05	34.62	25.5	8.29	5.98	0.18
T5-10m	3/1/17	1132	0.02	0.7	0.41	5.7	0.28	3.9	1.4	40	0.30	9.4	3.5	49	0.07	34.74	24.6	8.24	5.84	0.14
T5-10m	5/10/17	1108	0.04	1.2	0.36	5.1	0.13	1.8	2.0	57	0.24	7.3	2.2	31	0.12	34.79	25.8	8.24	4.31	0.13
Geomean	FY '17		1.6		5.5		4.3				9.9		44		0.08					0.16

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Transect 5, Station 2

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SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-10m	9/28/17	1004	0.14	4.4	0.25	3.5	0.24	3.3	0.7	19	0.39	12.2	2.1	29	0.07	34.82	27.8	8.19	4.86	0.15
T5-10m	11/30/17	951	0.10	3.1	0.39	5.4	0.49	6.9	2.5	70	0.36	11.2	3.5	48	0.10	35.14	26.3	8.23	5.76	0.17
T5-10m	2/6/18	1033	0.07	2.1	0.02	0.3	0.45	6.3	1.2	33	0.33	10.1	2.1	29	0.10	34.84	24.9	8.16	5.84	0.07
T5-10m	5/17/18	1005	0.14	4.4	0.64	8.9	0.40	5.6	5.3	150	0.38	11.8	2.4	34	0.09	34.73	25.9	8.17	6.75	0.10
Geomean FY '18			3.4		2.7		5.3				11.3		34		0.09					0.12
T5-10m	#####	1251	0.03	0.8	0.16	2.3	0.10	1.4	0.1	4	0.27	8.5	1.6	23	0.09	34.74	27.6	8.16	4.82	0.13
T5-10m	#####	1056	0.04	1.2	0.33	4.6	0.21	2.9	0.1	4	0.30	9.3	2.6	37	0.08	34.90	27.3	8.20	6.25	0.15
T5-10m	#####	1043	0.10	3.1	0.15	2.1	0.23	3.2	2.1	59	0.36	11.2	2.0	28	0.09	34.89	24.9	8.20	5.23	0.24
T5-10m	#####	1033	0.16	5.1	0.51	7.2	0.31	4.4	4.2	117	0.38	11.7	2.6	36	0.08	34.69	25.7	8.12	7.03	0.14
Geomean FY '19			2.0		3.5		2.7				10.1		30		0.08					0.16
T5-10m	#####	1007	0.06	2.0	0.16	2.3	0.31	4.3	3.5	100	0.30	9.2	1.8	25	0.08	35.24	28.2	8.26	6.75	0.17
T5-10m	#####	1113	0.13	3.9	0.31	4.3	0.01	0.2	0.8	23	0.45	13.8	3.3	46	0.09	35.19	27.5	8.22	6.79	0.10
T5-10m	#####	1026	0.11	3.4	0.16	2.3	0.09	1.3	3.3	92	0.38	11.9	2.6	36	0.11	34.91	24.9	8.23	7.12	0.11
T5-10m	#####	946	0.06	1.9	0.16	2.3	0.06	0.8	1.6	46	0.28	8.7	1.5	21	0.07	35.48	26.1	8.18	6.73	0.22
Geomean FY '20			2.7		2.6		1.0				10.7		31		0.09					0.14
T5-10m	#####	1000	0.15	4.8	0.20	2.8	0.47	6.6	0.8	23	0.32	9.9	5.6	79	0.04	36.10	26.2	8.20	5.84	0.14
T5-10m	#####	1003	0.16	5.0	0.68	9.5	0.38	5.3	3.1	88	0.30	9.2	6.1	85	0.08	35.51	26.5	8.11	6.89	0.16
T5-10m	#####	1013	0.19	6.0	0.56	7.9	0.33	4.6	4.1	115	0.32	10.0	4.1	57	0.09	35.58	24.7	8.08	6.95	0.16
T5-10m	#####	1003	0.08	2.4	0.60	8.4	0.19	2.6	6.4	179	0.13	4.1	6.7	94	0.11	35.52	25.6	8.01	7.12	0.23
Geomean FY '21			4.3		6.5		4.5				7.8		77		0.08					0.17
T5-10m	#####	1039	0.11	3.3	0.49	6.8	0.29	4.1	1.5	42	0.18	5.6	5.1	72	0.09	35.46	26.7	8.02	6.89	0.14
T5-10m	#####	953	0.12	3.7	0.43	6.0	0.24	3.3	2.0	56	0.26	7.9	4.9	69	0.08	35.07	26.0	8.11	6.77	0.17
T5-10m	#####	1037	0.13	3.9	0.45	6.3	0.20	2.8	3.4	96	0.32	9.8	4.6	64	0.06	34.84	25.5	8.08	7.10	0.20
T5-10m	6/9/2022	935	0.15	4.5	0.57	8.0	0.42	5.9	4.4	123	0.28	8.8	4.5	64	0.10	34.38	26.3	8.02	6.85	0.21
Geomean FY '22			3.8		6.7		3.9				7.9		67		0.08					0.18
T5-10m	#####	940	0.08	2.5	0.19	2.6	0.15	2.1	0.7	21	0.18	5.7	8.6	120	0.19	34.89	27.1	8.09	6.79	0.24
T5-10m	#####	1126	0.00	0.1	0.65	9.1	0.19	2.7	2.7	76	0.21	6.6	6.5	91	0.10	34.90	25.8	8.15	7.03	0.21
T5-10m	#####	942	0.13	3.9	0.59	8.2	0.29	4.0	3.2	91	0.24	7.5	5.5	77	0.10	34.64	24.7	8.00	6.94	0.23
T5-10m	6/1/2023	948	0.03	0.8	0.25	3.5	0.11	1.5	0.9	24	0.18	5.7	4.1	58	0.14	34.74	25.8	8.09	6.92	0.18
Geomean FY '23			0.9		5.1		2.4				6.3		84		0.13					0.21

NELHA Water Quality Laboratory

Transect 5, Station 2

7/26/1993 - 7/10/2025

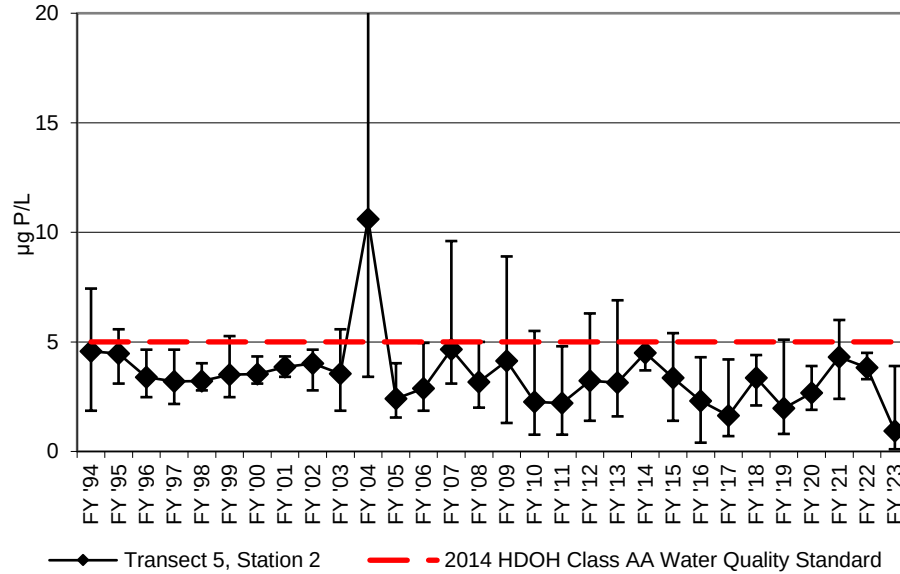


NELHA Water Quality Laboratory

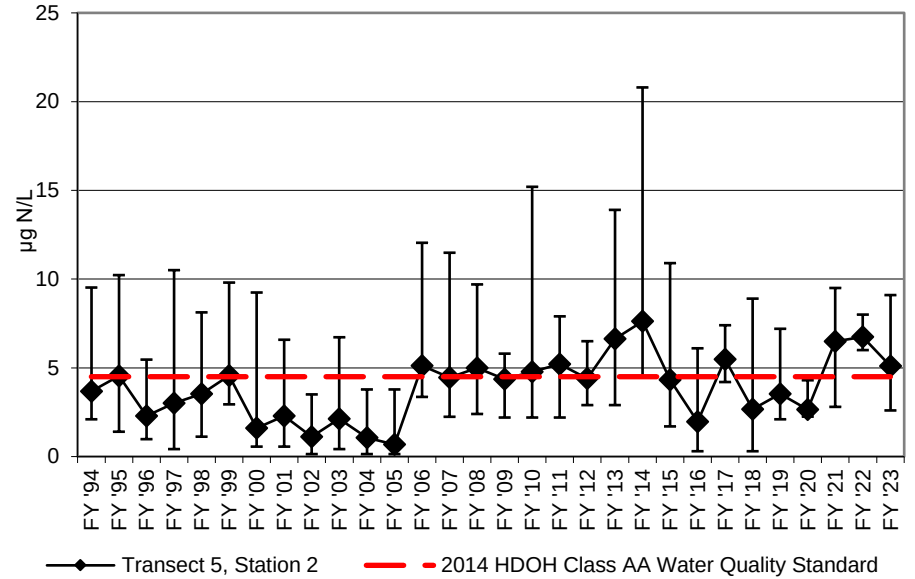
Transect 5, Station 2

7/26/1993 - 7/10/2025

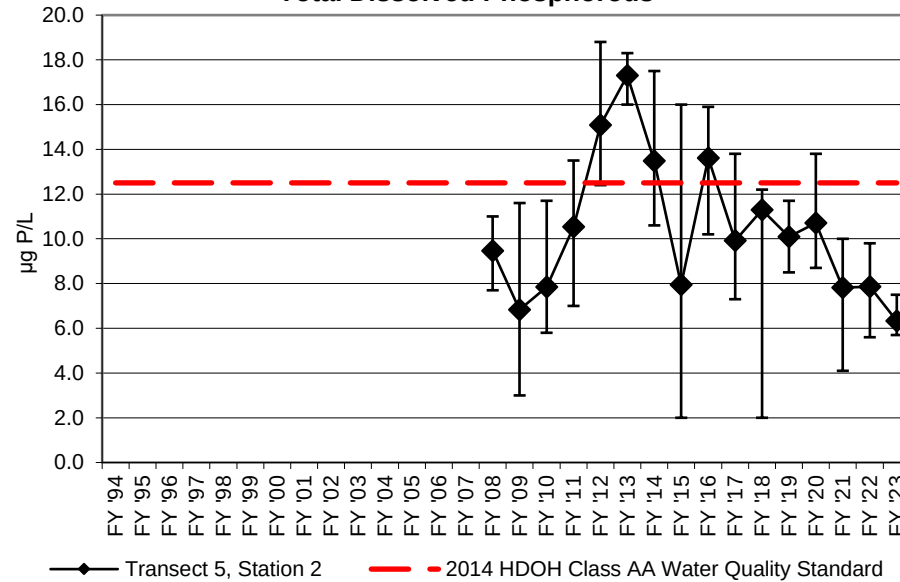
**Yearly Geometric Mean
Ortho-Phosphate**



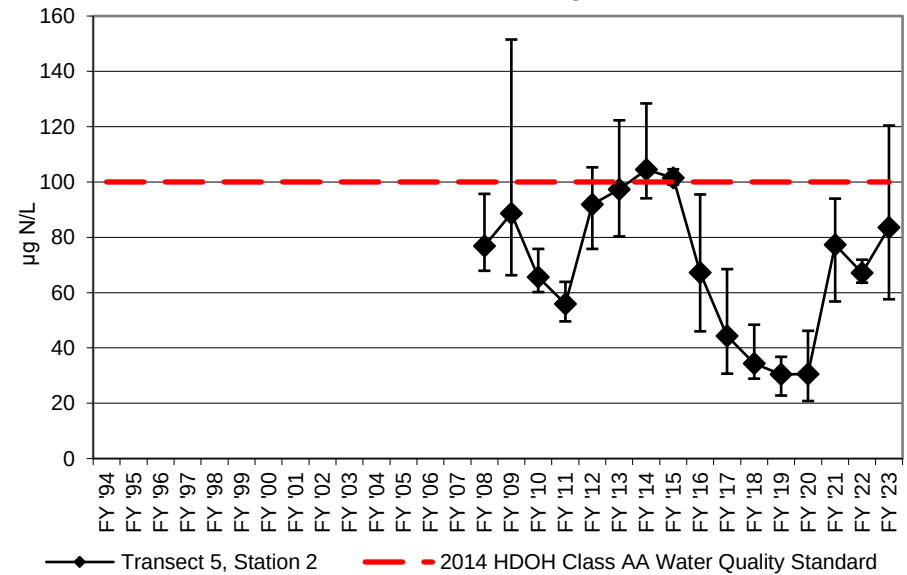
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

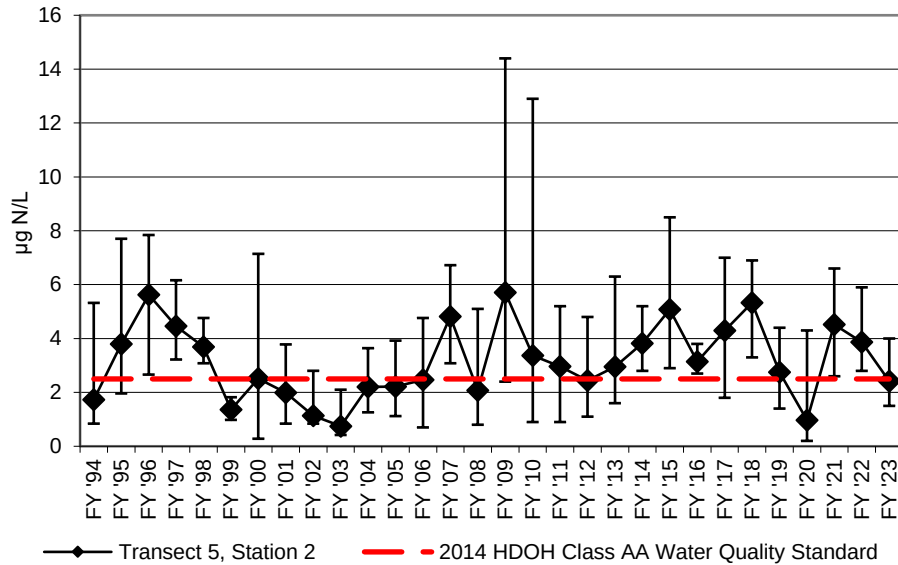


NELHA Water Quality Laboratory

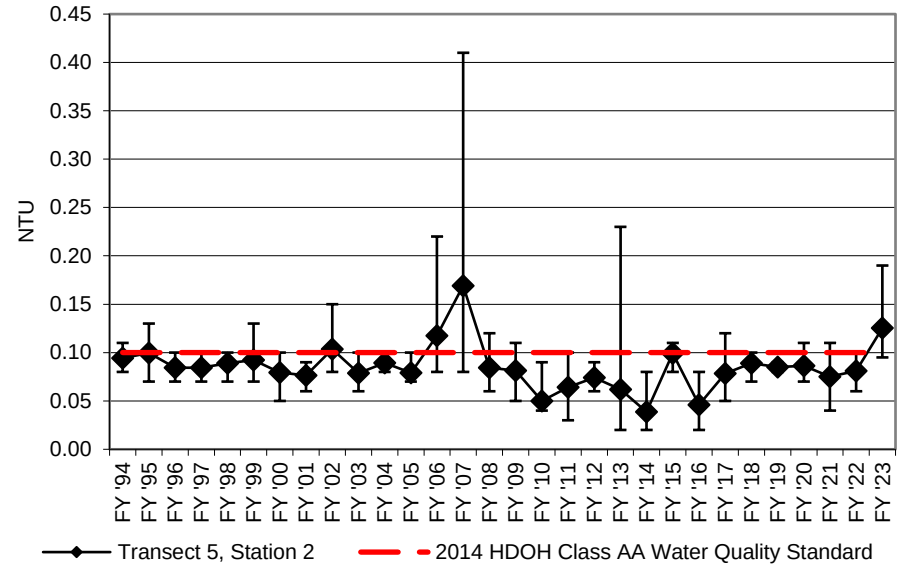
Transect 5, Station 2

7/26/1993 - 7/10/2025

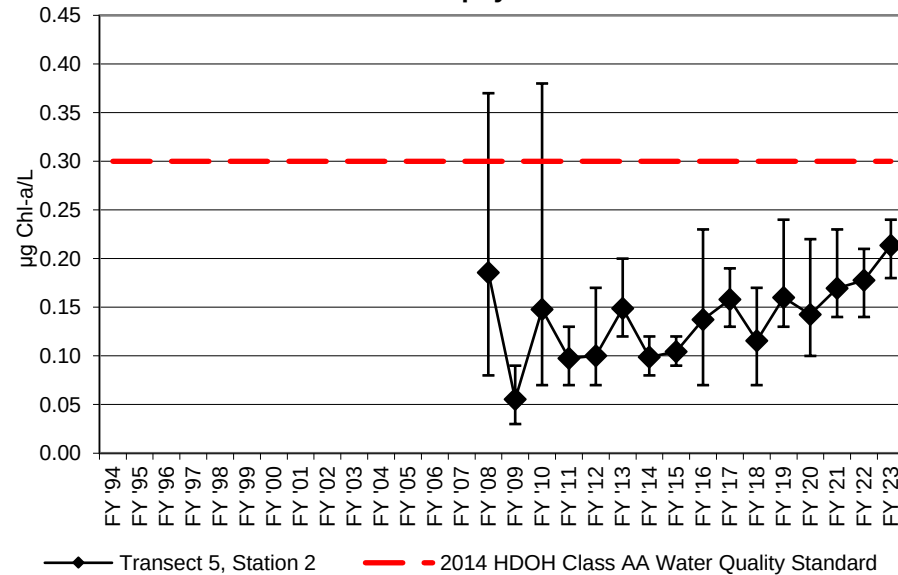
**Yearly Geometric Mean
Total Ammonia**



**Yearly Geometric Mean
Turbidity**



**Yearly Geometric Mean
Chlorophyll-a**



NELHA Water Quality Laboratory

Transect 5, Station 3

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-3S-38r	7/26/93	1008	0.12	3.7	0.12	1.7	0.38	5.3	2.9	82					0.07	34.427	26.9			
O5-3S-38r	12/6/93	1115	0.06	1.9	0.19	2.7	0.06	0.8	4.5	126					0.07	34.876	25.7			
O5-3S-38r	3/7/94	1023	0.23	7.1	0.70	9.8	0.18	2.5	6.1	171					0.07	34.139	25.1			
O5-3S-38r	6/15/94	1017	0.21	6.5	0.06	0.8	0.08	1.1	2.9	82					0.10	34.554	25.6			
Geomean FY '94			4.2		2.5		1.9								0.08					
O5-3S-38r	9/9/94	1035	0.09	2.8	0.15	2.1	0.15	2.1	2.6	74					0.07	34.596	27.8			
O5-3S-38r	11/14/94	921	0.13	4.0	0.31	4.3	0.55	7.7	4.2	119					0.11	34.604	26.2			
O5-3S-38r	3/22/95	1006	0.18	5.6	0.31	4.3	0.37	5.2	4.9	136					0.11	34.159	25.2			
O5-3S-38r	6/20/95	958	0.11	3.4	0.10	1.4	0.14	2.0	2.1	60					0.08	34.463	26.3			
Geomean FY '95			3.8		2.7		3.6								0.09					
O5-3S-38r	9/28/95	822	0.06	1.9	0.05	0.7	0.49	6.9	1.7	47					0.18	34.605	27.3			
O5-3S-38r	11/14/95	946	0.12	3.7	0.01	0.1	0.51	7.1	2.7	75					0.05	34.353	26.8			
O5-3S-38r	3/12/96	1019	0.16	5.0	0.22	3.1	0.53	7.4	3.5	97					0.05	34.159	25.6			
O5-3S-38r	5/14/96	1016	0.12	3.7	0.34	4.8	0.19	2.7	5.1	144					0.08	34.245	27.2			
Geomean FY '96			3.4		1.1		5.6								0.08					
O5-3S-38r	7/31/96	1045	0.08	2.5	0.45	6.3	0.46	6.4	5.9	166					0.09	34.352	27.9			
O5-3S-38r	10/2/96	1014	0.08	2.5	0.03	0.4	0.28	3.9	3.0	85					0.09	34.634	28.1			
O5-3S-38r	1/7/97	1016	0.12	3.7	1.02	14.3	0.22	3.1	8.2	229					0.08	34.516	25.6			
O5-3S-38r	4/28/97	1039	0.21	6.5	0.79	11.1	0.39	5.5	13.1	368					0.10	34.197	26.8			
Geomean FY '97			3.5		4.5		4.5								0.09					
O5-3S-38r	8/19/97	1022	0.11	3.4	0.67	9.4	0.28	3.9	6.4	181					0.10	34.533	27.0			
O5-3S-38r	10/7/97	919	0.10	3.1	0.07	1.0	0.36	5.0	2.4	68					0.08	34.747	27.5			
O5-3S-38r	3/4/98	1025	0.14	4.3	0.66	9.2	0.21	2.9	6.0	167					0.08	34.915	24.9			
O5-3S-38r	5/5/98	1032	0.08	2.5	0.04	0.6	0.15	2.1	2.9	82					0.07	35.084	24.2			
Geomean FY '98			3.3		2.6		3.3								0.08					
O5-3S-38r	7/7/98	1055	0.12	3.7	0.40	5.6	0.06	0.8	7.7	216					0.09	34.894	26.3			
O5-3S-38r	10/6/98	1005	0.11	3.4	0.23	3.2	0.09	1.3	3.4	95					0.08	35.089	27.0			
O5-3S-38r	1/19/99	1041	0.08	2.5	0.24	3.4	0.03	0.4	4.4	123					0.08	35.086	25.3			
O5-3S-38r	4/13/99	1123	0.16	5.0	0.69	9.7	0.09	1.3	10.0	280					0.07	34.480	24.5			
Geomean FY '99			3.5		4.9		0.9								0.08					

NELHA Water Quality Laboratory

Transect 5, Station 3

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-3S-38n	8/16/99	1054	0.12	3.7	0.10	1.4	0.43	6.0	2.2	62					0.13	34.878	26.5			
O5-3S-38n	10/25/99	1143	0.13	4.0	0.39	5.5	0.35	4.9	5.9	165					0.09	34.847	26.4			
O5-3S-38n	1/12/00	1042	0.11	3.4	0.02	0.3	0.31	4.3	2.6	74					0.05	35.126	24.9			
O5-3S-38n	4/11/00	951	0.12	3.7	0.17	2.4	0.07	1.0	4.0	111					0.06	34.822	24.5			
Geomean FY '00			3.7		1.5		3.3								0.08					
O5-3S-38n	7/25/00	1058	0.10	3.1	0.18	2.5	0.03	0.4	3.2	90					0.06	34.848	26.7			
O5-3S-38n	10/31/00	1045	0.09	2.8	0.02	0.3	0.25	3.5	2.2	61					0.04	34.975	27.1			
O5-3S-38n	3/6/01	1037	0.16	5.0	0.47	6.6	0.12	1.7	5.4	151					0.09	34.655	24.9			
O5-3S-38n	5/8/01	1130	0.10	3.1	0.28	3.9	0.22	3.1	4.9	138					0.08	34.732	24.9			
Geomean FY '01			3.4		2.1		1.7								0.06					
O5-3S-38n	8/13/01	931	0.10	3.1	0.04	0.6	0.15	2.1	2.2	62					0.10	34.862	26.7			
O5-3S-38n	10/10/01	1038	0.16	5.0	0.11	1.5	0.04	0.6	3.5	98					0.11	34.921	27.5			
O5-3S-38n	3/6/02	952	0.15	4.6	0.09	1.3	0.06	0.8	4.5	127					0.09	34.676	24.2			
O5-3S-38n	4/15/02	957	0.16	5.0	0.30	4.2	0.07	1.0	4.4	124					0.07	34.440	25.6			
Geomean FY '02			4.3		1.5		1.0								0.09					
O5-3S-38n	7/10/02	954	0.19	5.9	0.13	1.8	0.11	1.5	4.1	116					0.06	34.639	26.5			
O5-3S-38n	10/8/02	1000	0.08	2.5	0.43	6.0	0.12	1.7	3.8	107					0.07	34.876	27.0			
O5-3S-38n	3/11/03	1126	0.08	2.5	0.03	0.4	0.03	0.4	3.3	93					0.08	34.704	25.2			
O5-3S-38n	4/23/03	956	0.08	2.5	0.03	0.4	0.03	0.4	2.5	71					0.07	34.999	25.0			
Geomean FY '03			3.1		1.2		0.8								0.07					
O5-3S-38n	8/21/03	947	0.08	2.5	0.01	0.1	0.10	1.4	2.1	58					0.06	34.842	28.3			
O5-3S-38n	11/3/03	922	0.12	3.7	0.01	0.1	0.17	2.4	4.0	111					0.12	34.651	27.4			
O5-3S-38n	3/18/04	951	0.13	4.0	0.21	2.9	0.59	8.3	2.9	81					n/a	34.376	25.8			
O5-3S-38n	5/24/04	1013	0.14	4.3	0.28	3.9	0.09	1.3	3.8	106					n/a	33.30	26.9			
Geomean FY '04			3.6		0.7		2.4								0.08					
O5-3S-38n	9/22/04	1047	0.07	2.2	0.01	0.1	0.26	3.6	1.5	43					0.08	33.73	27.7			
O5-3S-38n	11/29/04	951	0.09	2.8	0.26	3.6	0.16	2.2	2.2	62					0.09	33.79	27.0			
O5-3S-38n	1/24/05	1030	0.09	2.8	0.29	4.1	0.12	1.7	4.2	117					0.10	34.772	25.7			
O5-3S-38n	4/13/05	1031	0.14	4.3	0.31	4.3	0.20	2.8	4.3	120					0.12	34.408	25.4			
Geomean FY '05			2.9		1.7		2.5								0.10					

NELHA Water Quality Laboratory

Transect 5, Station 3

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-3S-38r	7/21/05	947	0.06	1.9	0.43	6.0	0.36	5.0	5.4	152					0.09	34.635	27.4			
O5-3S-38r	10/13/05	935	0.06	1.9	0.28	3.9	0.20	2.8	5.3	149					0.12	34.830	27.3			
O5-3S-38r	3/15/06	855	0.09	2.8	0.07	1.0	0.27	3.8	4.6	128					0.08	34.829	24.5			
O5-3S-38r	5/17/06	938	0.13	4.0	0.54	7.6	0.05	0.7	5.6	158					0.14	34.576	24.7			
Geomean FY '06			2.5		3.6		2.5								0.10					
O5-3S-38r	8/16/06	946	0.11	3.4	0.28	3.9	0.38	5.3	2.6	74					0.13	34.640	26.8			
O5-3S-38r	11/20/06	946	0.10	3.1	0.18	2.5	0.18	2.5	2.0	57					0.10	34.802	26.7			
O5-3S-38r	2/12/07	1039	0.14	4.3	0.13	1.8	0.35	4.9	1.1	30					0.52	34.425	24.5			
O5-3S-38r	4/16/07	1030	0.12	3.7	0.07	1.0	0.29	4.1	3.9	109					0.13	34.654	26.5			
Geomean FY '07			3.6		2.0		4.0								0.17					
T5-50m	9/27/07	911	0.17	5.3	0.31	4.4	0.25	3.5	5.2	147	0.37	11.4	6.6	93	0.08	34.915	26.7	8.06	6.06	0.09
T5-50m	12/14/07	948	0.08	2.4	0.01	0.1			6.4	181	0.35	10.9	5.4	76	0.11	34.749	25.7	8.24	6.52	0.17
T5-50m	3/11/08	957	0.08	2.5	0.38	5.3	0.06	0.8	18.8	528	0.23	7.2	6.0	84	0.12	34.836	24.8	8.1	6.87	0.35
T5-50m	6/9/08	1032	0.14	4.2	0.48	6.7	0.16	2.2	18.2	511	0.29	8.9	6.4	90	0.12	34.5909	25.2	8.12	5.78	0.19
Geomean FY '08			3.4		2.0		1.8				9.4		85		0.11					0.18
T5-50m	9/23/08	1117	0.03	1	0.11	1.6	0.38	5.3	2.5	70	0.35	10.8	4.1	58	0.06	34.834	26.7	8.06	5.92	0.09
T5-50m	12/8/08	1028	0.17	5.2	0.25	3.5	0.34	4.8	1.7	49	0.45	14	5.5	77	0.07	34.975	26.1	8.30	5.22	0.09
T5-50m	2/10/09	921	0.11	3.4	0.41	5.8	0.12	1.7	2.9	80	0.34	10.6	7.9	111	0.08	35.044	24.8	8.05	6.03	0.04
T5-50m	6/30/09	1013	0.27	8.5	0.46	6.4	0.41	5.7	5.4	152	0.30	9.3	6.0	84	0.10	34.904	26.7	8.21	5.93	0.15
Geomean FY '09			3.5		3.8		4.0				11.0		80		0.08					0.08
T5-50m	9/10/09	1013	0.13	4	0.16	2.2	1.50	21	34.4	966	0.69	21.4	7.3	103	0.07	35.24	27.3	8.21	5.92	0.28
T5-50m	11/24/09	943	0.02	0.766	0.19	2.6	0.74	10.3	5.6	158	0.37	11.5	4.0	57	0.03	35.26	25.2	8.24	6.46	0.12
T5-50m	2/24/10	1016	0.16	5.1	1.02	14.3	0.36	5	9.2	259	0.46	14.1	8.7	122	0.09	35.12	24.7	8.23	5.46	0.58
T5-50m	5/25/10	933	0.02	0.7	0.06	0.8	0.28	3.9	2.9	82	0.23	7.1	3.6	50	0.04	34.79	25.2	8.25	6.64	0.06
Geomean FY '10			1.8		2.8		8.1				12.5		77		0.05					0.18
T5-50m	8/11/10	950	0.02	0.6	0.09	1.2	0.02	0.3	1.8	50	0.29	8.9	2.9	41	0.05	34.93	26.07	8.24	6.83	0.13
T5-50m	11/9/10	948	0.02	0.766	0.19	2.6	0.74	10.3	5.6	158	0.37	11.5	4.0	57	0.10	34.91	26.25	8.29	6.36	0.05
T5-50m	1/11/11	1216	0.15	4.5	0.41	5.7	0.16	2.3	6.3	177	0.42	12.9	3.7	51	0.05	35.01	25.08	8.20	6.54	0.09
T5-50m	4/27/11	956	0.14	4.2	0.36	5.1	0.27	3.8	6.0	169	0.45	13.8	4.0	57	0.08	34.87	24.93	8.23	6.37	0.12
Geomean FY '11			1.7		3.1		2.3				11.6		51		0.07					0.09

NELHA Water Quality Laboratory

Transect 5, Station 3

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-50m	7/27/11	1039	0.19	5.8	0.48	6.7	0.18	2.5	3.1	87	0.50	15.4	5.0	70	0.05	34.75	26.10	8.22	6.40	0.08
T5-50m	10/19/11	1019	0.04	1.1	0.16	2.3	0.08	1.1	2.4	67	0.37	11.4	4.9	68	0.06	35.11	26.53	8.27	7.20	0.07
T5-50m	1/26/12	947	0.07	2.2	0.25	3.5	0.04	0.6	3.5	98	0.37	11.6	3.8	53	0.08	34.99	24.44	8.18	6.66	0.14
T5-50m	4/25/12	1014	0.16	5	0.14	1.9	0.39	5.4	4.2	119	0.52	16.2	11.1	156	0.07	34.81	24.88	8.20	6.77	0.04
Geomean FY '12			2.9		3.2		1.7				13.5		79		0.06					0.07
T5-50m	7/25/12	1000	0.03	1	0.21	2.9	0.21	3	1.5	43	0.46	14.4	5.6	79	0.04	35.10	26.42	8.24	6.81	0.04
T5-50m	11/28/12	1001	0.11	3.3	0.41	5.7	0.22	3.1	3.3	93	0.43	13.3	6.2	87	0.03	35.19	25.25	8.20	6.77	0.08
T5-50m	1/24/13	949	0.09	2.8	0.42	5.9	0.16	2.2	3.0	84	0.49	15.2	5.9	83	0.02	35.05	24.77	8.22	6.44	0.27
T5-50m	4/17/13	1104	0.21	6.4	1.09	15.3	0.34	4.7	6.1	172	0.50	15.5	6.3	88	0.02	35.01	25.11	8.20	6.57	0.10
Geomean FY '13			2.8		6.2		3.1				14.6		84		0.03					0.10
T5-50m	8/6/13	1038	0.15	4.7	2.36	33.0	0.28	3.9	16.8	471	0.39	12.1	7.0	98	0.04	34.76	26.3	8.26	7.07	0.12
T5-50m	10/30/13	943	0.16	5.0	0.39	5.4	0.14	1.9	3.5	98	0.47	14.5	7.2	101	0.02	34.87	27.1	8.22	6.15	0.10
T5-50m	2/5/14	1008	0.15	4.5	0.43	6.0	0.29	4.0	3.1	86	0.48	15.0	9.0	126	0.02	34.94	25.2	8.20	6.31	0.13
T5-50m	5/7/14	1003	0.15	4.6	1.31	18.3	0.27	3.8	7.8	219	0.43	13.2	9.6	134	0.04	34.57	25.6	8.20	5.42	0.15
Geomean FY '14			4.7		11.8		3.3				13.7		114		0.03					0.12
T5-50m	8/6/14	956	0.15	4.8	0.04	0.6	0.34	4.7	0.7	19	0.53	16.3	6.6	93	0.05	34.98	26.8	8.24	6.11	0.11
T5-50m	12/4/14	1027	0.12	3.6	0.08	1.1	0.45	6.3	0.5	14	0.42	13.1	6.4	90	0.19	35.25	26.4	8.25	6.25	0.17
T5-50m	3/5/15	1025	0.01	0.2	0.04	0.6	0.12	1.7	0.1	3	0.31	9.7	5.3	74	0.09	34.77	25.3	8.28	6.70	0.11
T5-50m	6/18/15	1001	0.10	3.0	0.14	1.9	0.36	5.1	3.0	84	0.37	11.4	6.4	90	0.06	34.42	26.6	8.15	6.59	0.10
Geomean FY '15			1.8		0.9		4.0				12.4		86		0.08					0.12
T5-50m	8/27/15	1007	0.13	4.0	0.02	0.3	0.17	2.4	1.4	40	0.34	10.4	4.7	66	0.02	34.65	28.7	8.27	6.01	0.16
T5-50m	11/18/15	1033	0.14	4.2	0.47	6.6	0.09	1.2	4.0	113	0.49	15.2	5.9	82	0.06	34.65	27.3	8.24	6.62	0.13
T5-50m	3/2/16	918	0.14	4.2	0.29	4.0	0.56	7.9	0.3	10	0.46	14.4	4.8	67	0.07	34.72	25.2	8.23	5.76	0.07
T5-50m	5/4/16	1013	0.09	2.9	0.04	0.6	0.11	1.5	0.4	12	0.40	12.4	3.4	48	0.07	34.70	25.9	8.19	6.16	0.19
Geomean FY '16			3.8		1.5		2.4				13.0		65		0.05					0.13
T5-50m	7/7/16	1016	0.13	3.9	0.66	9.2	0.32	4.5	2.1	58	0.43	13.3	3.7	53	0.11	34.62	26.9	8.31	6.65	0.21
T5-50m	12/21/16	1029	0.04	1.3	0.17	2.4	0.54	7.5	1.7	49	0.34	10.4	4.1	58	0.05	34.64	25.5	8.28	5.77	0.14
T5-50m	3/1/17	1127	0.03	0.8	0.31	4.4	0.17	2.4	1.2	33	0.29	9.1	4.6	64	0.09	34.74	24.6	8.24	5.75	0.14
T5-50m	5/10/17	1113	0.03	0.8	0.34	4.8	0.28	3.9	2.1	59	0.23	7.0	3.2	44	0.08	34.80	25.8	8.24	4.30	0.07
Geomean FY '17			1.3		4.6		4.2				9.7		54		0.08					0.13

NELHA Water Quality Laboratory

Transect 5, Station 3

7/26/1993 - 7/10/2025

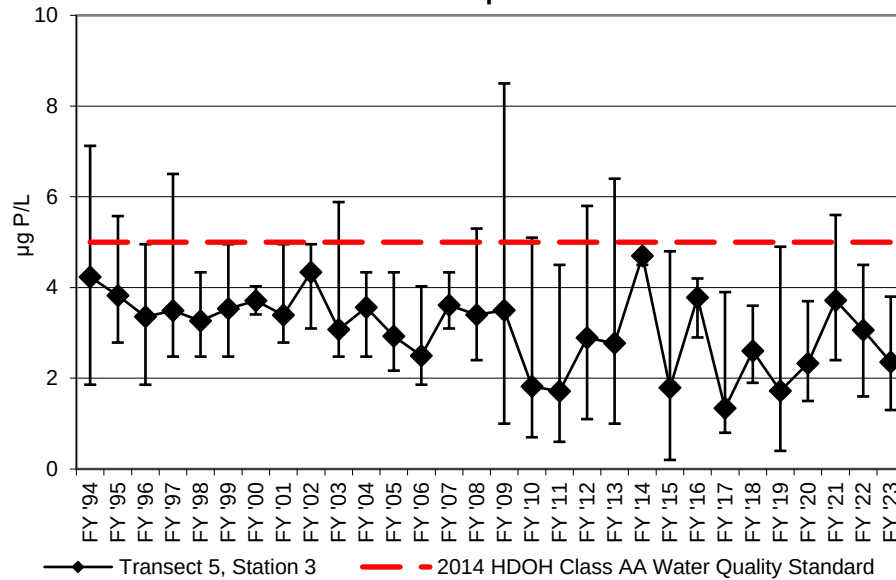
SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ³⁻ (µM) (µg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)		NH ₄ ⁺ & NH ₃ (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-50m	9/28/17	1010	0.12	3.6	0.11	1.5	0.06	0.8	0.5	14	0.39	12.2	2.4	33	0.07	34.84	27.8	8.19	4.69	0.13
T5-50m	11/30/17	956	0.09	2.8	0.18	2.5	0.34	4.8	1.4	38	0.37	11.4	5.0	70	0.05	35.22	26.4	8.23	5.63	0.17
T5-50m	2/6/18	1038	0.06	1.9	0.02	0.3	0.29	4.1	1.0	29	0.33	10.1	2.5	35	0.08	34.85	24.9	8.16	5.78	0.07
T5-50m	5/17/18	1010	0.08	2.4	0.08	1.1	0.20	2.8	2.3	65	0.38	11.8	1.8	26	0.05	34.81	26.1	8.17	6.50	0.09
Geomean FY '18			2.6		1.1		2.6				11.3		38		0.06					0.11
T5-50m	9/26/18	1257	0.01	0.4	0.16	2.3	0.09	1.3	0.2	6	0.30	9.2	1.4	20	0.10	34.74	27.6	8.16	4.79	0.13
T5-50m	11/14/18	1102	0.06	1.8	0.21	3.0	0.14	2.0	0.1	3	0.34	10.5	4.4	62	0.09	34.90	27.3	8.20	6.07	0.13
T5-50m	1/23/19	1048	0.08	2.5	0.16	2.3	0.09	1.2	1.0	27	0.35	10.9	2.9	41	0.07	34.94	24.9	8.19	4.99	0.22
T5-50m	4/17/19	1039	0.16	4.9	0.33	4.6	0.17	2.4	9.2	257	0.41	12.7	2.9	41	0.06	34.72	25.7	8.12	7.01	0.12
Geomean FY '19			1.7		2.9		1.6				10.8		38		0.08					0.15
T5-50m	8/15/19	1011	0.05	1.5	0.16	2.3	0.24	3.3	3.1	86	0.29	9.1	2.0	28	0.12	35.25	28.2	8.26	6.52	0.15
T5-50m	11/20/19	1117	0.12	3.7	0.29	4.0	0.07	1.0	0.9	24	0.43	13.4	3.3	46	0.09	35.20	27.5	8.21	6.71	0.10
T5-50m	1/23/20	1030	0.11	3.3	0.16	2.3	0.09	1.3	0.8	24	0.41	12.8	3.0	42	0.07	34.94	25.0	8.22	6.98	0.10
T5-50m	6/25/20	950	0.05	1.6	0.16	2.3	0.23	3.2	0.4	12	0.27	8.4	2.1	30	0.06	35.53	26.3	8.18	6.61	0.18
Geomean FY '20			2.3		2.6		1.9				10.7		35		0.08					0.13
T5-50m	9/23/20	1006	0.16	4.9	0.19	2.6	0.30	4.2	1.3	35	0.36	11.1	6.8	95	0.04	36.10	26.2	8.19	5.80	0.21
T5-50m	12/16/20	1009	0.18	5.6	0.71	9.9	0.45	6.3	3.4	95	0.31	9.6	6.5	91	0.08	35.52	26.5	8.11	6.85	0.18
T5-50m	3/10/21	1018	0.09	2.9	0.79	11.0	0.28	3.9	6.1	172	0.36	11.3	5.1	71	0.07	35.57	24.7	8.08	6.92	0.16
T5-50m	5/26/21	959	0.08	2.4	0.65	9.1	0.14	1.9	4.2	119	0.08	2.6	6.1	85	0.07	35.53	25.6	8.01	7.03	0.21
Geomean FY '21			3.7		7.1		3.7				7.5		85		0.06					0.19
T5-50m	9/24/21	1043	0.05	1.6	0.41	5.8	0.20	2.8	1.5	41	0.18	5.6	4.9	69	0.10	35.50	26.8	8.00	6.73	0.14
T5-50m	12/16/21	959	0.12	3.8	0.27	3.8	0.19	2.6	1.4	39	0.27	8.5	4.6	65	0.05	35.09	26.0	8.11	6.71	0.18
T5-50m	3/16/22	1042	0.10	3.2	0.20	2.8	0.12	1.7	1.0	29	0.31	9.7	4.3	60	0.07	34.91	25.5	8.07	6.91	0.19
T5-50m	6/9/22	941	0.15	4.5	1.26	17.7	0.51	7.2	8.9	249	0.30	9.2	5.4	76	0.09	34.24	26.3	8.00	6.61	0.34
Geomean FY '22			3.1		5.7		3.1				8.1		67		0.07					0.20
T5-50m	9/22/22	945	0.08	2.5	0.14	2.0	0.06	0.9	0.4	12	0.23	7.2	8.3	116	0.15	34.90	27.2	8.09	6.75	0.20
T5-50m	12/27/22	1130	0.08	2.5	0.34	4.8	0.11	1.5	1.3	36	0.16	4.9	5.4	75	0.11	34.94	25.9	8.14	6.86	0.24
T5-50m	3/16/23	947	0.12	3.8	0.43	6.0	0.17	2.4	3.1	86	0.22	6.7	4.5	64	0.09	34.65	24.7	8.02	6.89	0.32
T5-50m	6/1/23	954	0.04	1.3	0.40	5.6	0.14	1.9	1.8	51	0.19	5.8	4.2	59	0.14	34.73	25.8	8.09	6.84	0.18
Geomean FY '23			2.4		4.2		1.6				6.1		76		0.12					0.23

NELHA Water Quality Laboratory

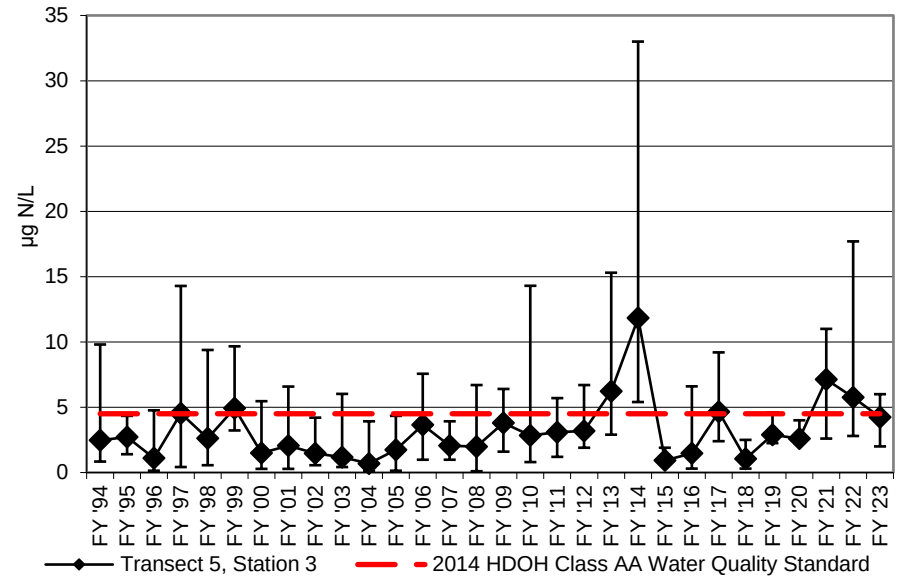
Transect 5, Station 3

7/26/1993 - 7/10/2025

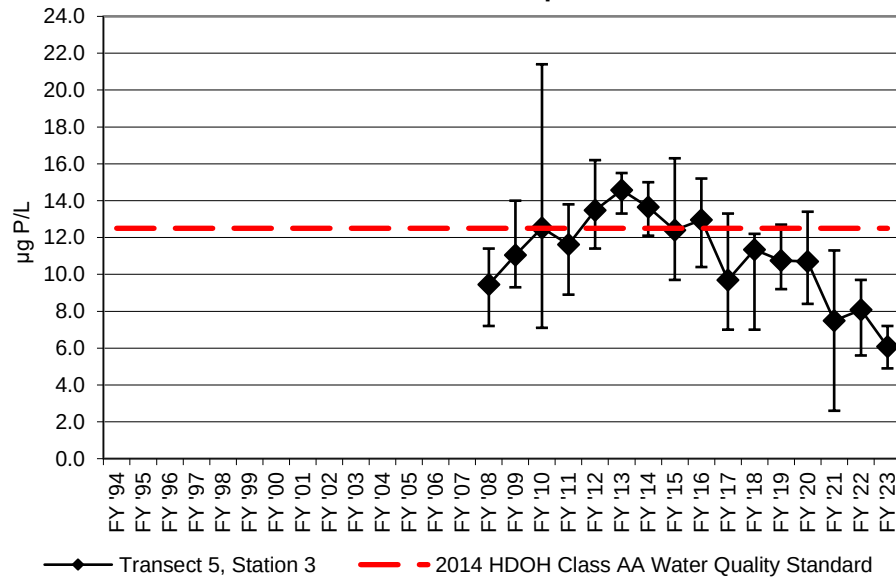
Yearly Geometric Mean Ortho-Phosphate



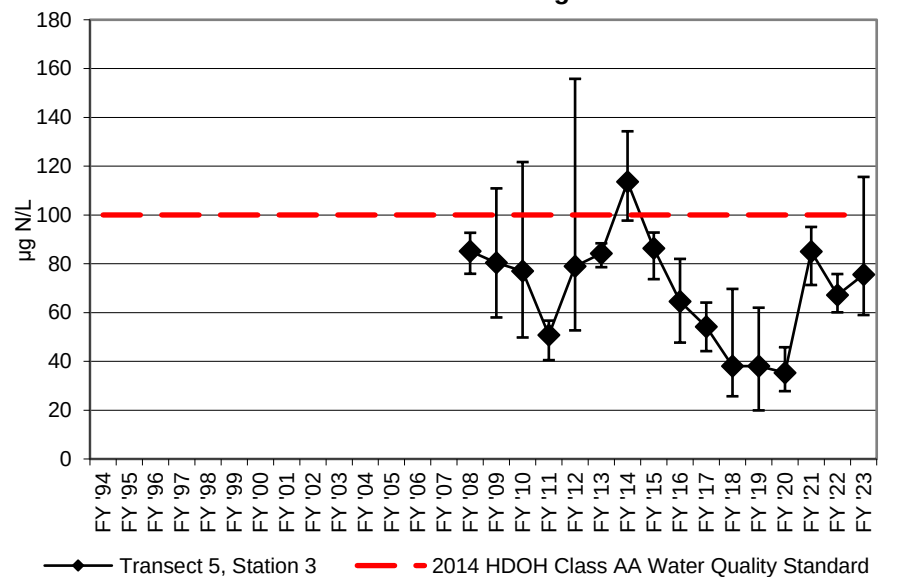
Yearly Geometric Mean Nitrate + Nitrite



Yearly Geometric Mean Total Dissolved Phosphorous



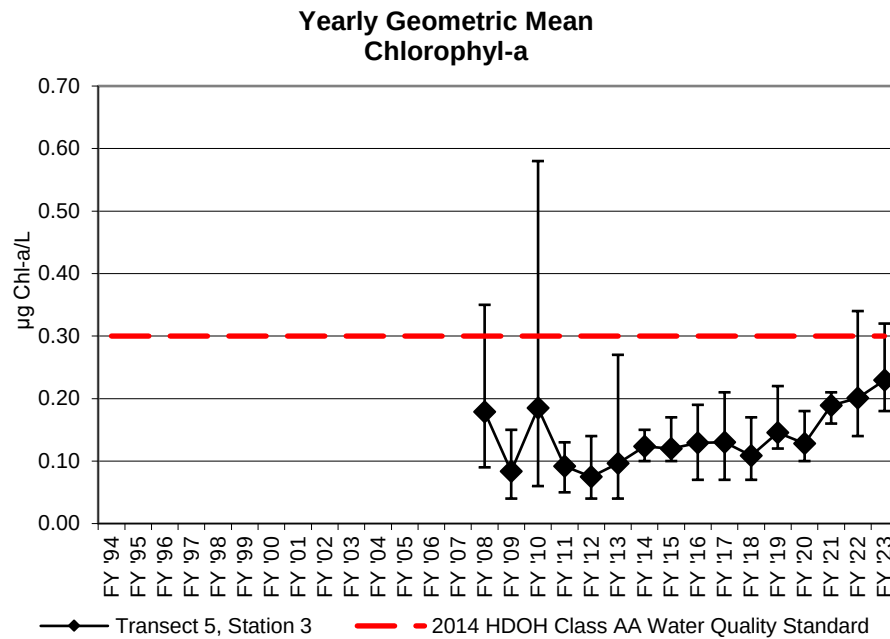
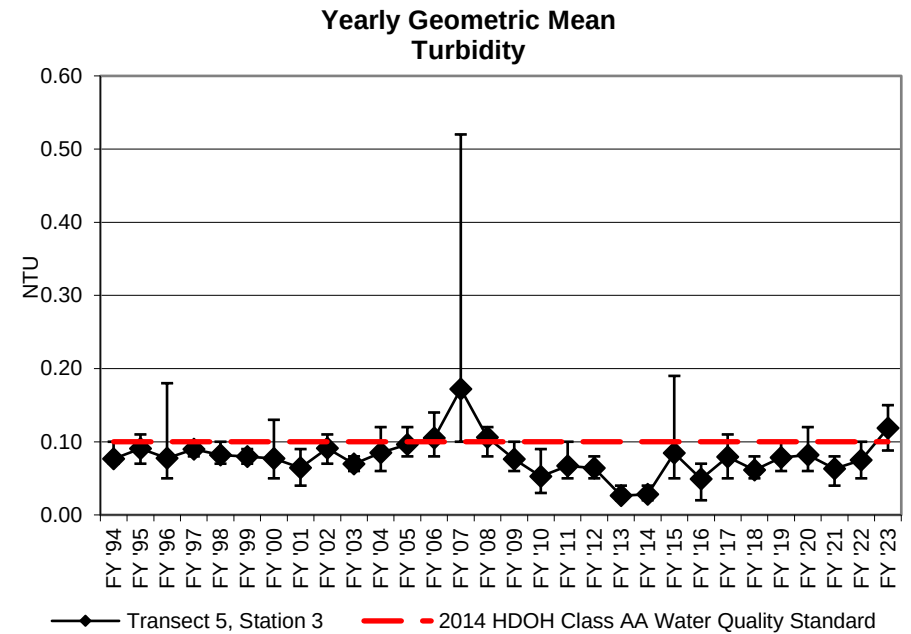
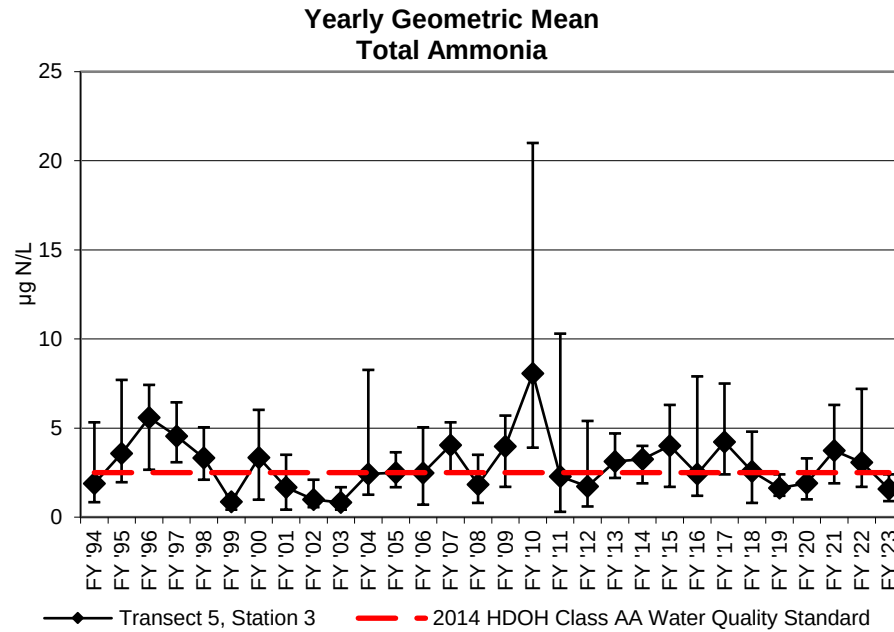
Yearly Geometric Mean Total Dissolved Nitrogen



NELHA Water Quality Laboratory

Transect 5, Station 3

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Transect 5, Station 4

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-4S-53r	7/26/93	1020	0.11	3.4	0.13	1.8	0.38	5.3	3.3	93					0.08	34.417	26.8			
O5-4S-53r	12/6/93	1106	0.09	2.8	0.21	2.9	0.05	0.7	2.3	64					0.09	34.873	25.7			
O5-4S-53r	3/7/94	1017	0.23	7.1	0.59	8.3	0.26	3.6	5.1	142					0.07	34.164	25.1			
O5-4S-53r	6/15/94	1014	0.20	6.2	0.03	0.4	0.12	1.7	3.2	90					0.11	34.555	25.9			
Geomean FY '94			4.5		2.1		2.2								0.09					
O5-4S-53r	9/9/94	1033	0.08	2.5	0.05	0.7	0.15	2.1	3.0	85					0.07	34.607	27.8			
O5-4S-53r	11/14/94	919	0.13	4.0	0.35	4.9	0.59	8.3	5.4	151					0.09	34.555	26.2			
O5-4S-53r	3/22/95	959	0.16	5.0	0.12	1.7	0.35	4.9	2.7	75					0.08	34.213	25.3			
O5-4S-53r	6/20/95	950	0.12	3.7	0.16	2.2	0.12	1.7	2.2	62					0.07	34.449	26.3			
Geomean FY '95			3.7		1.9		3.5								0.08					
O5-4S-53r	9/28/95	831	0.06	1.9	0.07	1.0	0.49	6.9	1.6	45					0.08	34.605	27.2			
O5-4S-53r	11/14/95	941	0.09	2.8	0.07	1.0	0.49	6.9	1.4	40					0.07	34.352	26.8			
O5-4S-53r	3/12/96	1014	0.15	4.6	0.23	3.2	0.56	7.8	4.3	119					0.08	34.151	25.6			
O5-4S-53r	5/14/96	1012	0.10	3.1	0.27	3.8	0.16	2.2	4.7	131					0.08	34.258	27.2			
Geomean FY '96			2.9		1.8		5.4								0.08					
O5-4S-53r	7/31/96	1042	0.09	2.8	0.71	9.9	0.50	7.0	8.5	239					0.12	34.263	27.8			
O5-4S-53r	10/2/96	1010	0.09	2.8	0.04	0.6	0.33	4.6	3.4	95					0.09	34.626	28.1			
O5-4S-53r	1/7/97	1011	0.13	4.0	1.20	16.8	0.22	3.1	8.3	232					0.12	34.496	25.6			
O5-4S-53r	4/28/97	1033	0.18	5.6	0.84	11.8	0.39	5.5	9.7	271					0.14	34.203	26.7			
Geomean FY '97			3.6		5.8		4.8								0.12					
O5-4S-53r	8/19/97	1017	0.12	3.7	0.83	11.6	0.29	4.1	7.4	209					0.11	34.513	27.0			
O5-4S-53r	10/7/97	916	0.11	3.4	0.09	1.3	0.33	4.6	2.6	73					0.09	34.738	27.6			
O5-4S-53r	3/4/98	1018	0.14	4.3	0.78	10.9	0.23	3.2	12.7	358					0.08	34.891	25.0			
O5-4S-53r	5/5/98	1026	0.07	2.2	0.05	0.7	0.22	3.1	2.4	68					0.06	35.090	24.2			
Geomean FY '98			3.3		3.3		3.7								0.08					
O5-4S-53r	7/7/98	1051	0.12	3.7	0.49	6.9	0.02	0.3	12.0	336					0.12	34.859	26.3			
O5-4S-53r	10/6/98	1000	0.11	3.4	0.29	4.1	0.11	1.5	4.0	113					0.10	35.088	27.1			
O5-4S-53r	1/19/99	1035	0.08	2.5	0.17	2.4	0.05	0.7	3.9	110					0.08	35.102	25.4			
O5-4S-53r	4/13/99	1117	0.16	5.0	0.64	9.0	0.07	1.0	8.8	248					0.08	34.486	24.5			
Geomean FY '99			3.5		4.9		0.7								0.09					

NELHA Water Quality Laboratory

Transect 5, Station 4

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-4S-53r	8/16/99	1050	0.13	4.0	0.21	2.9	0.42	5.9	3.1	87					0.15	34.832	26.4			
O5-4S-53r	10/25/99	1138	0.13	4.0	0.45	6.3	0.35	4.9	21.5	605					0.08	34.826	26.4			
O5-4S-53r	1/12/00	1038	0.11	3.4	0.01	0.1	0.29	4.1	7.3	206					0.07	35.131	25.0			
O5-4S-53r	4/11/00	946	0.11	3.4	0.14	2.0	0.08	1.1	3.8	108					0.06	34.825	24.5			
Geomean FY '00			3.7		1.5		3.4								0.08					
O5-4S-53r	7/25/00	1054	0.11	3.4	0.15	2.1	0.05	0.7	3.6	101					0.07	34.848	26.8			
O5-4S-53r	10/31/00	1040	0.09	2.8	0.03	0.4	0.22	3.1	4.7	131					0.05	34.970	27.1			
O5-4S-53r	3/6/01	1029	0.15	4.6	0.39	5.5	0.12	1.7	4.5	127					0.08	34.668	24.9			
O5-4S-53r	5/8/01	1125	0.10	3.1	0.33	4.6	0.25	3.5	6.0	169					0.07	34.695	25.0			
Geomean FY '01			3.4		2.2		1.9								0.07					
O5-4S-53r	8/13/01	923	0.10	3.1	0.03	0.4	0.17	2.4	2.4	68					0.10	34.858	26.6			
O5-4S-53r	10/10/01	1034	0.17	5.3	0.14	2.0	0.04	0.6	3.5	98					0.14	34.918	27.5			
O5-4S-53r	3/6/02	948	0.14	4.3	0.18	2.5	0.06	0.8	6.4	179					0.12	34.669	24.2			
O5-4S-53r	4/15/02	952	0.13	4.0	0.43	6.0	0.05	0.7	4.4	124					0.07	34.433	25.6			
Geomean FY '02			4.1		1.9		0.9								0.10					
O5-4S-53r	7/10/02	949	0.18	5.6	0.03	0.4	0.09	1.3	2.3	64					0.10	34.700	26.6			
O5-4S-53r	10/8/02	956	0.06	1.9	0.45	6.3	0.12	1.7	4.1	114					0.07	34.870	27.1			
O5-4S-53r	3/11/03	1120	0.06	1.9	0.07	1.0	0.03	0.4	3.1	87					0.10	34.709	25.2			
O5-4S-53r	4/23/03	951	0.08	2.5	0.03	0.4	0.03	0.4	0.9	26					0.07	35.037	25.0			
Geomean FY '03			2.6		1.0		0.8								0.08					
O5-4S-53r	8/21/03	939	0.07	2.2	0.01	0.1	0.10	1.4	1.9	54					0.08	34.843	28.2			
O5-4S-53r	11/3/03	910	0.12	3.7	0.01	0.1	0.10	1.4	2.2	63					0.10	34.627	29.3			
O5-4S-53r	3/18/04	940	0.13	4.0	0.14	2.0	0.27	3.8	2.8	78					n/a	34.383	25.7			
O5-4S-53r	5/24/04	1009	0.17	5.3	0.30	4.2	0.14	2.0	4.1	116					n/a	33.36	26.8			
Geomean FY '04			3.6		0.6		2.0								0.09					
O5-4S-53r	9/22/04	1043	0.07	2.2	0.01	0.1	0.28	3.9	3.0	83					0.06	33.76	27.5			
O5-4S-53r	11/29/04	947	0.10	3.1	0.26	3.6	0.16	2.2	2.1	59					0.08	33.74	27.1			
O5-4S-53r	1/24/05	1024	0.09	2.8	0.51	7.1	0.13	1.8	5.7	159					0.08	34.841	25.6			
O5-4S-53r	4/13/05	1027	0.12	3.7	0.16	2.2	0.18	2.5	2.8	79					0.09	34.444	23.5			
Geomean FY '05			2.9		1.7		2.5								0.08					

NELHA Water Quality Laboratory

Transect 5, Station 4

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-4S-53rr	7/21/05	942	0.05	1.5	0.24	3.4	0.36	5.0	3.8	107					0.11	34.663	27.4			
O5-4S-53rr	10/13/05	927	0.05	1.5	0.09	1.3	0.16	2.2	2.4	67					0.11	34.862	27.3			
O5-4S-53rr	3/15/06	839	0.08	2.5	0.07	1.0	0.27	3.8	3.0	85					0.12	34.851	24.3			
O5-4S-53rr	5/17/06	932	0.13	4.0	0.85	11.9	0.05	0.7	7.8	220					0.08	34.496	24.7			
Geomean FY '06			2.2		2.7		2.3								0.10					
O5-4S-53rr	8/16/06	942	0.11	3.4	0.28	3.9	0.31	4.3	3.1	86					0.11	34.618	26.8			
O5-4S-53rr	11/20/06	939	0.10	3.1	0.20	2.8	0.23	3.2	2.1	60					0.14	34.804	26.6			
O5-4S-53rr	2/12/07	1031	0.13	4.0	0.16	2.2	0.49	6.9	0.8	21					0.13	34.436	24.5			
O5-4S-53rr	4/16/07	1024	0.15	4.6	1.09	15.3	0.50	7.0	11.0	309					0.18	34.406	26.0			
Geomean FY '07			3.7		4.4		5.1								0.14					
T5-100m	9/27/07	900	0.16	5.0	0.26	3.6	0.19	2.6	15.1	424	0.16	5.0	6.0	84	0.08	34.916	26.8	8.06	6.04	0.14
T5-100m	12/14/07	950	0.07	2.3	0.01	0.1			3.0	85	0.16	5.1	5.3	74	0.09	34.881	25.7	8.23	6.48	0.15
T5-100m	3/11/08	1001	0.12	3.6	0.79	11.1	0.06	0.8	13.7	386	0.10	3.1	6.4	90	0.11	34.695	24.8	8.09	6.71	0.36
T5-100m	6/9/08	1035	0.09	2.8	0.20	2.8	0.16	2.2	17.9	502	0.28	8.8	5.1	72	0.14	34.6419	25.3	8.11	5.62	0.23
Geomean FY '08			3.3		1.8		1.7				5.1		80		0.10					0.20
T5-100m	9/23/08	1122	0.04	1.2	0.07	1	0.33	4.6	2.3	64	0.34	10.5	5.2	73	0.08	34.830	26.6	8.06	5.81	0.06
T5-100m	12/8/08	1036	0.15	4.8	0.26	3.7	0.27	3.8	1.8	51	0.33	10.2	5.0	70	0.05	34.983	26.0	8.30	5.10	0.08
T5-100m	2/10/09	927	0.16	5	0.10	1.4	0.12	1.7	1.7	47	0.36	11.3	10.7	150	0.07	35.129	24.7	8.07	6.01	0.02
T5-100m	6/30/09	1020	0.25	7.7	0.33	4.6	0.12	1.7	7.0	197	0.43	13.4	5.8	81	0.05	34.909	26.7	8.20	5.67	0.07
Geomean FY '09			3.9		2.2		2.7				11.3		89		0.06					0.05
T5-100m	9/10/09	1022	0.11	3.4	0.07	1	0.13	1.8	4.2	119	0.50	15.5	5.3	74	0.06	35.24	27.4	8.21	5.56	0.29
T5-100m	11/24/09	948	0.02	0.766	0.19	2.6	0.11	1.6	8.9	250	0.33	10.3	4.2	60	0.04	35.27	25.2	8.24	6.51	0.1
T5-100m	2/24/10	1021	0.18	5.6	0.82	11.5	0.30	4.2	7.2	202	0.45	13.9	8.4	117	0.11	35.11	24.7	8.22	5.44	0.49
T5-100m	5/25/10	938	0.02	0.7	0.06	0.9	0.51	7.2	1.8	51	0.24	7.3	5.2	74	0.06	34.80	25.2	8.27	6.67	0.02
Geomean FY '10			1.8		2.3		3.1				11.3		79		0.06					0.13
T5-100m	8/11/10	955	0.01	0.4	0.06	0.9	0.01	0.2	1.6	46	0.29	9.1	2.8	39	0.05	34.97	26.04	8.23	6.70	0.13
T5-100m	11/9/10	952	0.02	0.766	0.19	2.6	0.11	1.6	8.9	250	0.33	10.3	4.2	60	0.09	34.95	26.45	8.29	6.25	0.03
T5-100m	1/11/11	1225	0.18	5.6	1.45	20.3	0.29	4.0	10.2	286	0.43	13.4	3.9	55	0.04	34.66	25.06	8.18	6.57	0.08
T5-100m	4/27/11	1001	0.15	4.8	0.46	6.5	0.25	3.5	6.2	175	0.51	15.8	4.0	57	0.09	34.86	25.10	8.22	6.23	0.10
Geomean FY '11			1.7		4.2		1.5				11.9		52		0.06					0.07

NELHA Water Quality Laboratory

Transect 5, Station 4

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-100m	7/27/11	1045	0.19	5.8	0.39	5.4	0.15	2.1	3.4	95	0.49	15.1	3.9	55	0.10	34.76	26.07	8.22	6.33	0.09
T5-100m	10/19/11	1024	0.03	0.9	0.02	0.3	0.01	0.1	2.7	76	0.42	13.1	5.1	72	0.08	35.12	26.41	8.26	7.04	0.09
T5-100m	1/26/12	951	0.06	1.9	0.12	1.7	0.06	0.8	2.4	68	0.41	12.6	4.9	69	0.06	35.02	24.45	8.19	6.56	0.07
T5-100m	4/25/12	1017	0.14	4.4	0.08	1.1	0.22	3.1	0.8	23	0.56	17.5	7.1	99	0.05	34.85	24.90	8.19	6.64	0.06
Geomean FY '12			2.6		1.3		0.8				14.5		72		0.07					0.08
T5-100m	7/25/12	1005	0.02	0.6	0.09	1.2	0.12	1.7	2.0	56	0.48	14.9	6.0	84	0.12	35.02	26.42	8.24	6.83	0.14
T5-100m	11/28/12	1006	0.07	2.3	0.03	0.4	0.16	2.3	1.4	39	0.37	11.6	5.1	71	0.05	35.29	25.38	8.21	6.78	0.19
T5-100m	1/24/13	954	0.10	3	0.51	7.2	0.04	0.6	4.1	116	0.47	14.5	5.1	72	0.03	35.00	24.75	8.20	6.25	0.16
T5-100m	4/17/13	1108	0.20	6.1	0.86	12	0.27	3.8	4.9	137	0.57	17.6	6.2	87	0.02	35.04	25.19	8.20	6.43	0.05
Geomean FY '13			2.2		2.5		1.7				14.5		78		0.04					0.12
T5-100m	8/6/13	1045	0.06	1.9	0.22	3.1	0.06	0.9	2.5	71	0.35	10.9	5.6	79	0.03	35.23	26.6	8.26	6.92	0.11
T5-100m	10/30/13	947	0.13	3.9	0.10	1.4	0.12	1.7	1.2	35	0.57	17.6	6.3	88	0.02	34.94	27.1	8.22	6.05	0.06
T5-100m	2/5/14	1014	0.14	4.4	0.44	6.1	0.34	4.8	3.6	100	0.57	17.8	6.5	91	0.02	34.94	25.2	8.20	6.23	0.13
T5-100m	5/7/14	1009	0.13	4.0	0.91	12.8	0.15	2.1	6.1	170	0.44	13.7	7.2	101	0.02	34.67	25.7	8.20	5.43	0.18
Geomean FY '14			3.4		4.3		2.0				14.7		89		0.02					0.11
T5-100m	8/6/14	1000	0.16	4.9	0.01	0.2	0.35	4.9	0.6	17	0.48	15.0	6.2	88	0.08	34.96	26.9	8.23	6.07	0.06
T5-100m	12/4/14	1034	0.10	3.2	0.04	0.6	0.51	7.1	0.4	13	0.46	14.1	6.3	88	0.05	35.25	26.4	8.26	6.25	0.19
T5-100m	3/5/15	1035	0.02	0.7	0.09	1.3	0.15	2.1	0.6	16	0.32	9.8	6.4	89	0.10	34.75	25.3	8.30	6.82	0.12
T5-100m	6/18/15	1006	0.11	3.5	0.64	9.0	0.46	6.5	4.3	121	0.31	9.5	5.8	81	0.04	34.37	26.7	8.18	6.52	0.19
Geomean FY '15			2.5		1.1		4.7				11.8		86		0.06					0.13
T5-100m	8/27/15	1012	0.13	4.1	0.01	0.1	0.21	3.0	1.3	36	0.35	10.9	4.4	61	0.02	34.66	28.6	8.27	5.94	0.17
T5-100m	11/18/15	1039	0.13	3.9	0.36	5.0	0.23	3.2	3.7	103	0.48	15.0	4.9	68	0.07	34.65	27.4	8.27	6.69	0.10
T5-100m	3/2/16	923	0.12	3.6	0.20	2.8	0.44	6.2	0.2	6	0.43	13.2	3.7	52	0.07	34.68	25.3	8.24	5.81	0.07
T5-100m	5/4/16	1019	0.05	1.5	0.02	0.3	0.14	2.0	0.0	0	0.47	14.7	7.0	98	0.08	34.71	25.9	8.18	6.16	0.18
Geomean FY '16			3.0		0.8		3.3				13.3		68		0.05					0.12
T5-100m	7/7/16	1021	0.11	3.4	0.64	9.0	0.36	5.0	2.7	75	0.42	13.0	4.5	63	0.09	34.60	27.0	8.31	6.62	0.19
T5-100m	12/21/16	1035	0.04	1.2	0.16	2.2	0.38	5.3	1.6	45	0.34	10.4	5.4	75	0.03	34.64	25.5	8.27	5.87	0.17
T5-100m	3/1/17	1122	0.02	0.6	0.31	4.4	0.17	2.4	1.4	41	0.30	9.4	5.2	73	0.10	34.73	24.6	8.24	5.78	0.18
T5-100m	5/10/17	1118	0.05	1.4	0.19	2.6	0.46	6.4	1.4	38	0.24	7.4	3.0	42	0.08	34.83	25.8	8.22	4.12	0.10
Geomean FY '17			1.4		3.9		4.5				9.8		62		0.07					0.16

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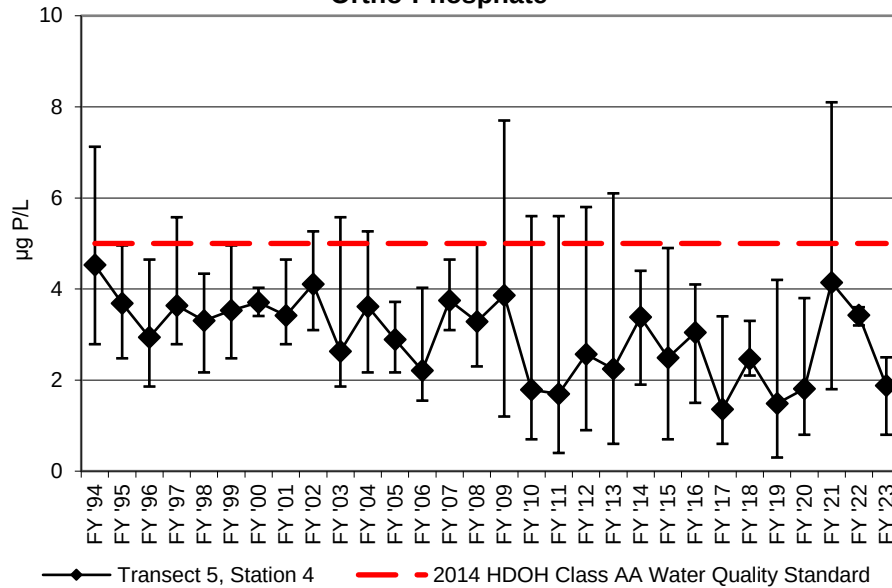
SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-100m	9/28/17	1014	0.11	3.3	0.06	0.8	0.11	1.5	0.5	14	0.39	12.0	3.0	41	0.06	34.84	27.8	8.18	4.71	0.12
T5-100m	11/30/17	1001	0.07	2.1	0.11	1.6	0.33	4.6	1.2	33	0.35	10.9	3.2	45	0.06	35.23	26.6	8.24	5.65	0.13
T5-100m	2/6/18	1044	0.07	2.3	0.04	0.6	0.42	5.9	1.0	29	0.32	9.9	1.9	26	0.08	34.86	24.9	8.16	5.74	0.07
T5-100m	5/17/18	1016	0.07	2.3	0.09	1.2	0.16	2.2	1.1	30	0.36	11.2	1.6	23	0.05	34.89	26.3	8.17	6.26	0.05
Geomean FY '18			2.5		1.0		3.1				11.0		32		0.06					0.09
T5-100m	9/26/18	1302	0.01	0.3	0.16	2.3	0.34	4.7	0.3	8	0.32	9.9	2.4	34	0.09	34.73	27.6	8.16	4.75	0.11
T5-100m	11/14/18	1107	0.05	1.6	0.11	1.6	0.39	5.5	0.0	1	0.34	10.4	3.3	46	0.07	34.90	27.3	8.20	6.01	0.16
T5-100m	1/23/19	1053	0.08	2.4	0.16	2.3	0.09	1.2	1.2	34	0.35	10.9	2.1	29	0.06	34.94	24.9	8.19	4.99	0.23
T5-100m	4/17/19	1045	0.14	4.2	0.24	3.3	0.23	3.2	0.9	25	0.38	11.8	2.4	34	0.04	34.74	25.7	8.12	6.87	0.10
Geomean FY '19			1.5		2.3		3.2				10.7		35		0.06					0.14
T5-100m	8/15/19	1017	0.04	1.3	0.16	2.3	0.51	7.1	3.9	108	0.29	9.1	2.6	37	0.09	35.25	28.2	8.26	6.46	0.17
T5-100m	11/20/19	1122	0.12	3.8	0.21	3.0	0.38	5.3	1.1	30	0.42	12.9	2.9	40	0.09	35.16	27.5	8.21	6.76	0.12
T5-100m	1/23/20	1035	0.09	2.7	0.16	2.3	0.09	1.3	0.0	0	0.41	12.7	2.4	34	0.08	34.98	25.0	8.21	6.69	0.11
T5-100m	6/25/20	955	0.03	0.8	0.16	2.3	0.25	3.5	0.4	12	0.28	8.7	2.1	30	0.06	35.53	26.3	8.18	6.57	0.20
Geomean FY '20			1.8		2.4		3.6				10.7		35		0.08					0.15
T5-100m	9/23/20	1011	0.17	5.3	0.09	1.2	0.16	2.3	1.1	32	0.33	10.3	6.2	87	0.02	36.10	26.2	8.19	5.57	0.24
T5-100m	12/16/20	1015	0.12	3.8	0.01	0.1	0.29	4.0	0.0	-1	0.27	8.3	5.3	75	0.05	35.59	26.6	8.11	6.63	0.13
T5-100m	3/10/21	1024	0.26	8.1	1.16	16.2	0.35	4.9	6.5	182	0.38	11.7	5.4	75	0.09	35.52	24.7	8.08	6.98	0.18
T5-100m	5/26/21	953	0.06	1.8	0.59	8.2	0.19	2.7	4.2	117	0.12	3.8	5.7	79	0.07	35.44	25.6	8.00	6.88	0.17
Geomean FY '21			4.1		2.0		3.3				7.9		79		0.05					0.18
T5-100m	9/24/21	1050	0.10	3.2	0.47	6.6	0.30	4.2	2.0	57	0.19	6.0	4.9	69	0.10	35.52	26.8	8.00	6.66	0.14
T5-100m	12/16/21	1005	0.12	3.6	0.19	2.7	0.14	2.0	1.6	46	0.25	7.8	4.3	61	0.08	35.09	26.0	8.11	6.69	0.22
T5-100m	3/16/22	1049	0.11	3.4	0.02	0.3	0.10	1.4	-0.2	-4	0.31	9.7	4.3	60	0.03	34.93	25.5	8.07	6.84	0.18
T5-100m	6/9/22	947	0.11	3.5	0.54	7.6	0.44	6.2	6.0	170	0.28	8.7	4.5	64	0.13	34.32	26.3	8.00	6.57	0.27
Geomean FY '22			3.4		2.5		2.9				7.9		63		0.07					0.20
T5-100m	9/22/22	952	0.08	2.5	0.06	0.9	0.05	0.7	0.0	0	0.18	5.5	3.9	54	0.19	34.91	27.2	8.09	6.70	0.22
T5-100m	12/27/22	1144	0.08	2.5	0.32	4.5	0.08	1.1	1.2	33	0.14	4.3	5.1	71	0.06	34.94	25.9	8.14	6.86	0.27
T5-100m	3/16/23	852	0.08	2.5	0.20	2.8	0.09	1.2	2.1	60	0.23	7.2	4.6	65	0.10	34.68	24.8	8.04	6.91	0.29
T5-100m	6/1/23	1003	0.03	0.8	0.82	11.5	0.11	1.5	4.6	130	0.19	5.9	4.9	69	0.17	34.62	25.9	8.07	6.63	0.21
Geomean FY '23			1.9		3.4		1.1				5.6		65		0.12					0.25

NELHA Water Quality Laboratory

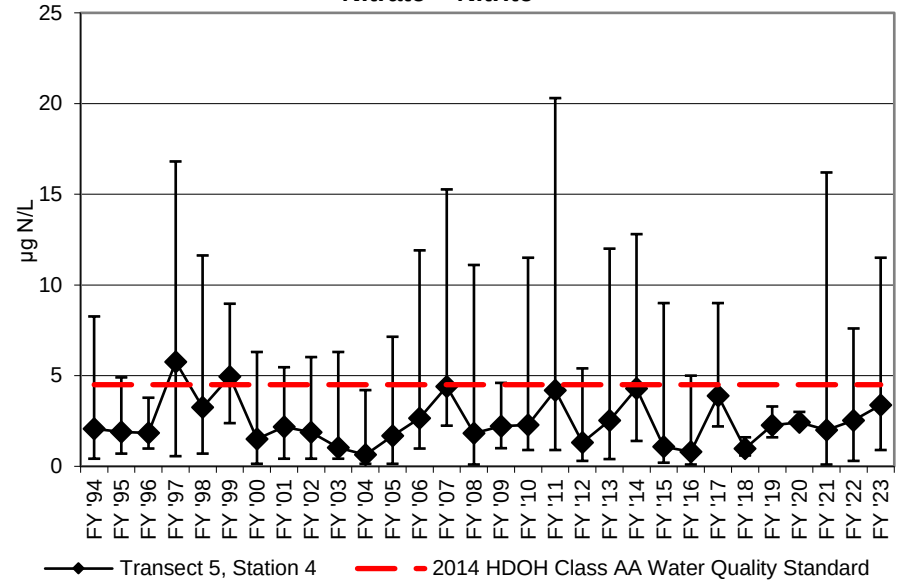
Transect 5, Station 4

7/26/1993 - 7/10/2025

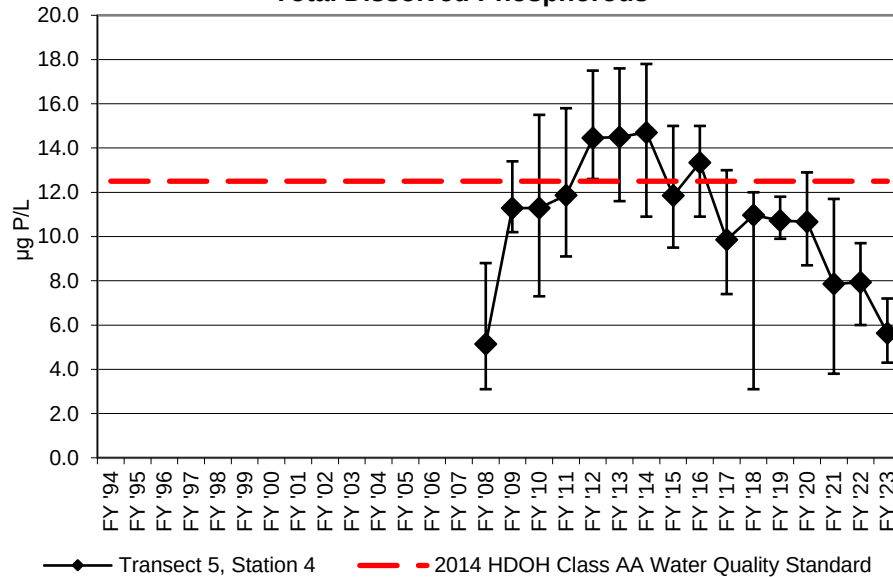
**Yearly Geometric Mean
Ortho-Phosphate**



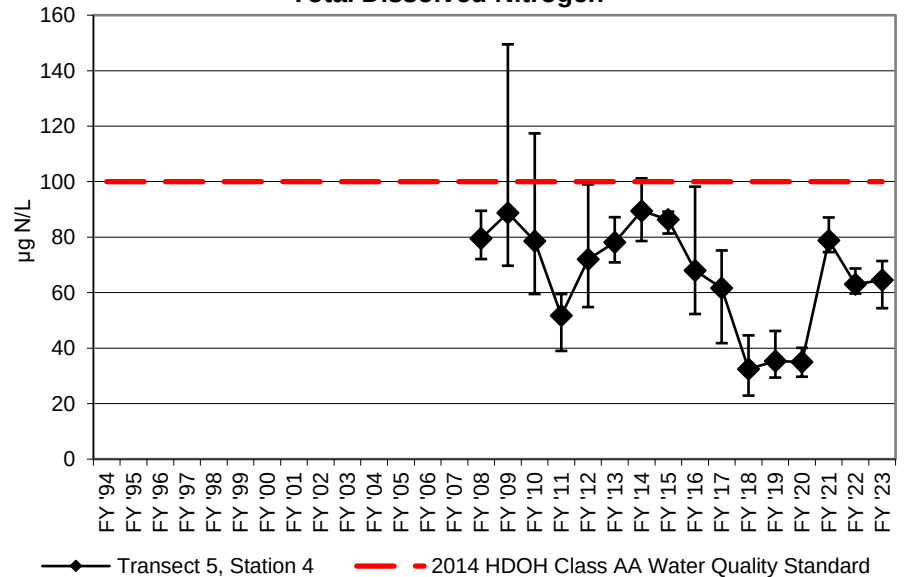
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

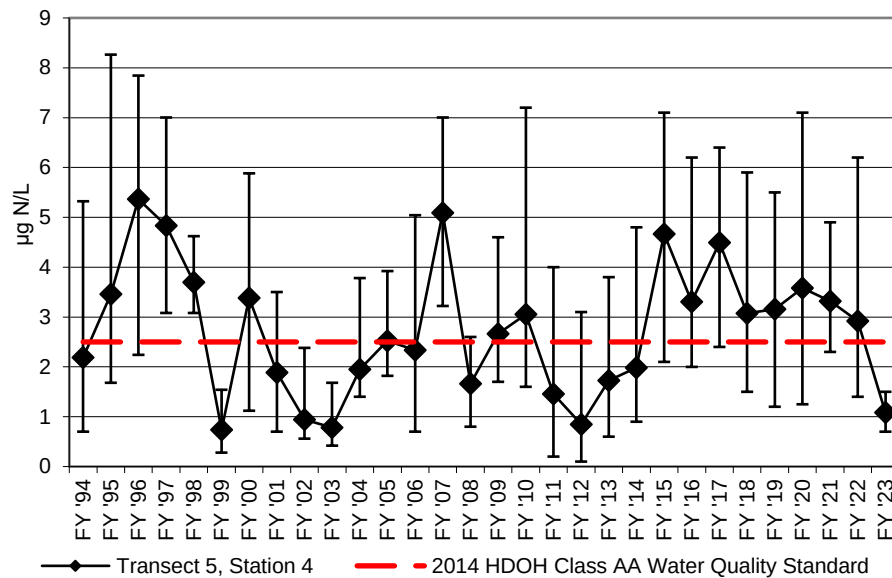


NELHA Water Quality Laboratory

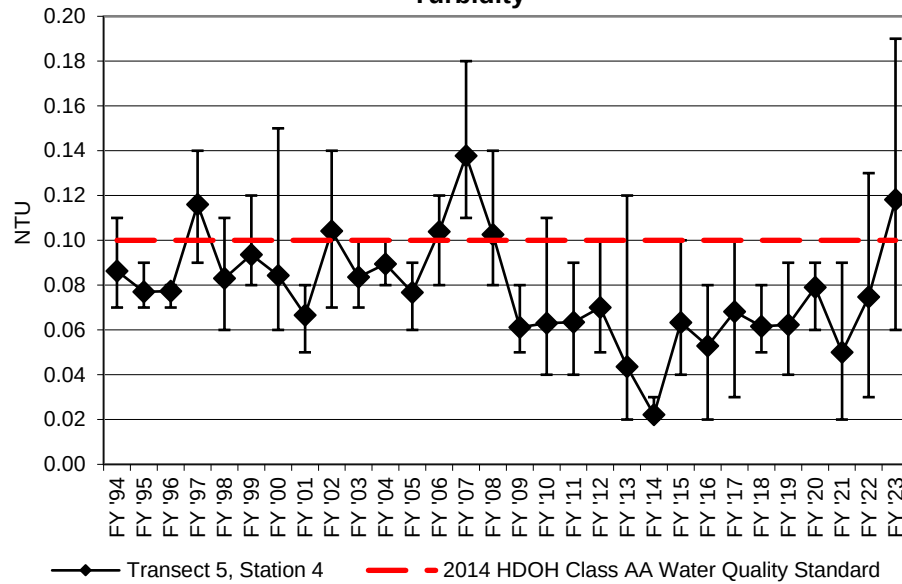
Transect 5, Station 4

7/26/1993 - 7/10/2025

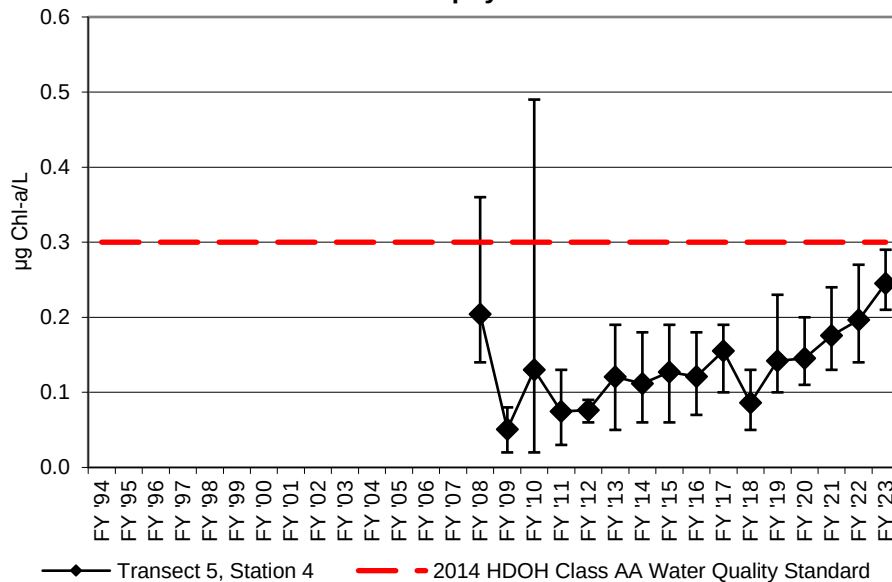
**Yearly Geometric Mean
Total Ammonia**



**Yearly Geometric Mean
Turbidity**



**Yearly Geometric Mean
Chlorophyll-a**



NELHA Water Quality Laboratory

Transect 5, Station 5

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-5S-69n	7/26/93	1031	0.11	3.4	0.13	1.8	0.45	6.3	3.2	90					0.08	34.418	26.9			
O5-5S-69n	12/6/93	1057	0.09	2.8	0.17	2.4	0.05	0.7	2.0	57					0.07	34.871	25.7			
O5-5S-69n	3/7/94	1010	0.20	6.2	0.19	2.7	0.26	3.6	2.5	70					0.07	34.275	25.0			
O5-5S-69n	6/15/94	1011	0.20	6.2	0.06	0.8	0.05	0.7	2.1	59					0.13	34.562	25.7			
Geomean FY '94			4.4		1.8		1.8								0.08					
O5-5S-69n	9/9/94	1023	0.07	2.2	0.06	0.8	0.15	2.1	2.4	66					0.07	34.606	27.8			
O5-5S-69n	11/14/94	915	0.14	4.3	0.24	3.4	0.59	8.3	3.8	106					0.07	34.596	26.1			
O5-5S-69n	3/22/95	957	0.16	5.0	0.13	1.8	0.35	4.9	3.2	89					0.08	34.211	25.2			
O5-5S-69n	6/20/95	947	0.12	3.7	0.11	1.5	0.09	1.3	2.2	62					0.07	34.464	26.3			
Geomean FY '95			3.6		1.7		3.2								0.07					
O5-5S-69n	9/28/95	841	0.06	1.9	0.07	1.0	0.42	5.9	2.0	56					0.16	34.606	27.2			
O5-5S-69n	11/14/95	936	0.09	2.8	0.07	1.0	0.45	6.3	1.9	53					0.04	34.350	26.9			
O5-5S-69n	3/12/96	1009	0.15	4.6	0.26	3.6	0.58	8.1	4.0	112					0.05	34.140	25.5			
O5-5S-69n	5/14/96	1006	0.13	4.1	0.09	1.3	0.16	2.2	2.6	74					0.07	34.317	27.3			
Geomean FY '96			3.1		1.4		5.1								0.07					
O5-5S-69n	7/31/96	1038	0.08	2.5	0.75	10.5	0.50	7.0	9.5	268					0.10	34.238	27.9			
O5-5S-69n	10/2/96	1005	0.08	2.5	0.06	0.8	0.32	4.5	3.2	89					0.11	34.633	28.1			
O5-5S-69n	1/7/97	1006	0.12	3.7	0.82	11.5	0.22	3.1	7.3	206					0.09	34.570	25.5			
O5-5S-69n	4/28/97	1027	0.20	6.2	0.80	11.2	0.43	6.0	12.3	346					0.12	34.202	26.6			
Geomean FY '97			3.4		5.8		4.9								0.10					
O5-5S-69n	8/19/97	1010	0.12	3.7	0.48	6.7	0.28	3.9	11.0	309					0.12	34.577	27.0			
O5-5S-69n	10/7/97	911	0.10	3.1	0.03	0.4	0.31	4.3	4.0	113					0.10	34.746	27.6			
O5-5S-69n	3/4/98	1010	0.12	3.7	0.63	8.8	0.23	3.2	6.5	183					0.09	34.914	25.0			
O5-5S-69n	5/5/98	1019	0.07	2.2	0.02	0.3	0.19	2.7	2.8	78					0.08	35.095	24.3			
Geomean FY '98			3.1		1.6		3.5								0.10					
O5-5S-69n	7/7/98	1045	0.12	3.7	0.69	9.7	0.01	0.1	18.0	506					0.11	34.791	26.3			
O5-5S-69n	10/6/98	955	0.12	3.7	0.45	6.3	0.06	0.8	5.1	142					0.08	35.041	27.0			
O5-5S-69n	1/19/99	1030	0.07	2.2	0.01	0.1	0.05	0.7	4.4	123					0.07	35.141	25.3			
O5-5S-69n	4/13/99	1111	0.16	5.0	0.58	8.1	0.08	1.1	8.4	237					0.08	34.514	24.5			
Geomean FY '99			3.5		2.9		0.6								0.08					

NELHA Water Quality Laboratory

Transect 5, Station 5

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-5S-69n	8/16/99	1042	0.12	3.7	0.14	2.0	0.46	6.4	5.7	159					0.09	34.852	26.5			
O5-5S-69n	10/25/99	1134	0.10	3.1	0.29	4.1	0.35	4.9	5.8	163					0.08	34.864	26.4			
O5-5S-69n	1/12/00	1029	0.12	3.7	0.02	0.3	0.31	4.3	9.9	277					0.05	35.117	24.9			
O5-5S-69n	4/11/00	941	0.12	3.7	0.17	2.4	0.06	0.8	4.3	121					0.07	34.821	24.5			
Geomean FY '00			3.6		1.5		3.3								0.07					
O5-5S-69n	7/25/00	1048	0.10	3.1	0.15	2.1	0.05	0.7	3.7	103					0.07	34.853	26.7			
O5-5S-69n	10/31/00	1034	0.09	2.8	0.02	0.3	0.25	3.5	2.3	63					0.09	34.957	27.2			
O5-5S-69n	3/6/01	1022	0.15	4.6	0.31	4.3	0.10	1.4	4.7	131					0.08	34.692	24.9			
O5-5S-69n	5/8/01	1122	0.11	3.4	0.41	5.7	0.25	3.5	7.2	202					0.09	34.672	25.0			
Geomean FY '01			3.4		2.0		1.9								0.08					
O5-5S-69n	8/13/01	918	0.11	3.4	0.10	1.4	0.20	2.8	3.7	105					0.16	34.828	26.6			
O5-5S-69n	10/10/01	1027	0.13	4.0	0.04	0.6	0.01	0.1	3.8	107					0.06	34.948	27.6			
O5-5S-69n	3/6/02	944	0.14	4.3	0.17	2.4	0.06	0.8	4.6	128					0.05	34.657	24.2			
O5-5S-69n	4/15/02	945	0.14	4.3	0.29	4.1	0.03	0.4	5.8	162					0.07	34.438	25.5			
Geomean FY '02			4.0		1.7		0.6								0.08					
O5-5S-69n	7/10/02	942	0.16	5.0	0.03	0.4	0.12	1.7	2.0	55					0.06	34.698	26.5			
O5-5S-69n	10/8/02	949	0.06	1.9	0.15	2.1	0.09	1.3	2.1	58					0.08	34.936	27.1			
O5-5S-69n	3/11/03	1111	0.07	2.2	0.03	0.4	0.03	0.4	2.4	69					0.08	34.699	25.3			
O5-5S-69n	4/23/03	946	0.09	2.8	0.03	0.4	0.03	0.4	2.9	81					0.09	35.027	25.1			
Geomean FY '03			2.7		0.6		0.8								0.08					
O5-5S-69n	8/21/03	931	0.09	2.8	0.01	0.1	0.10	1.4	2.0	57					0.08	34.830	28.3			
O5-5S-69n	11/3/03	900	0.12	3.7	0.01	0.1	0.05	0.7	2.3	65					0.10	34.602	27.1			
O5-5S-69n	3/18/04	928	0.10	3.1	0.14	2.0	0.27	3.8	1.8	50					n/a	34.413	25.8			
O5-5S-69n	5/24/04	1004	0.15	4.6	0.42	5.9	0.20	2.8	5.7	159					n/a	n/a	26.8			
Geomean FY '04			3.5		0.7		1.8								0.09					
O5-5S-69n	9/22/04	1038	0.07	2.2	0.01	0.1	0.28	3.9	1.7	48					0.08	33.73	27.5			
O5-5S-69n	11/29/04	943	0.08	2.5	0.18	2.5	0.16	2.2	1.6	45					0.04	33.75	27.1			
O5-5S-69n	1/24/05	1018	0.10	3.1	0.45	6.3	0.16	2.2	5.5	153					0.10	34.717	25.6			
O5-5S-69n	4/13/05	1021	0.12	3.7	0.11	1.5	0.13	1.8	7.2	202					0.10	34.449	25.4			
Geomean FY '05			2.8		1.4		2.4								0.08					

NELHA Water Quality Laboratory

Transect 5, Station 5

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O5-5S-69r	7/21/05	936	0.06	1.9	0.50	7.0	0.35	4.9	5.7	160					0.13	34.586	27.3			
O5-5S-69r	10/13/05	921	0.05	1.5	0.11	1.5	0.18	2.5	5.2	147					0.11	34.842	27.1			
O5-5S-69r	3/15/06	843	0.09	2.8	0.07	1.0	0.35	4.9	1.7	48					0.07	34.861	24.5			
O5-5S-69r	5/17/06	927	0.13	4.0	0.69	9.7	0.05	0.7	8.0	225					0.10	34.579	24.7			
Geomean FY '06			2.4		3.2		2.6								0.10					
O5-5S-69r	8/16/06	938	0.11	3.4	0.34	4.8	0.27	3.8	3.1	86					0.08	34.624	26.8			
O5-5S-69r	11/20/06	933	0.11	3.4	0.19	2.7	0.33	4.6	2.0	56					0.12	34.764	26.7			
O5-5S-69r	2/12/07	1022	0.16	5.0	0.12	1.7	0.36	5.0	0.5	15					0.19	34.439	24.6			
O5-5S-69r	4/16/07	1017	0.13	4.0	0.58	8.1	0.37	5.2	7.4	208					0.12	34.543	26.0			
Geomean FY '07			3.9		3.6		4.6								0.12					
T5-500m	9/27/07	848	0.12	3.6	0.01	0.1	0.13	1.8	9.8	275	0.24	7.5	3.9	54	0.11	34.874	26.6	8.09	6.30	0.06
T5-500m	12/14/07	1000	0.10	3.1	0.01	0.1			2.5	70	0.38	11.9	6.7	94	0.16	34.741	25.8	8.24	6.58	0.1
T5-500m	3/11/08	1008	0.09	2.8	0.07	1.0	0.06	0.8	15.6	439	0.24	7.4	6.5	91	0.10	34.888	24.9	8.11	6.66	0.18
T5-500m	6/9/08	1044	0.07	2.3	0.05	0.7	0.16	2.2	14.2	400	0.21	6.6	5.1	72	0.18	34.4544	25.9	8.11	5.59	0.23
Geomean FY '08			2.9		0.3		1.5				8.1		76		0.13					0.13
T5-500m	9/23/08	1133	0.03	0.9	0.00	0.01	2.44	34.2	1.5	42	0.29	9.1	6.8	95	0.06	34.833	26.7	8.07	6.07	0.13
T5-500m	12/8/08	1042	0.14	4.2	0.04	0.6	0.19	2.6	1.7	49	0.30	9.2	6.6	92	0.05	35.000	26.3	8.31	5.65	0.02
T5-500m	2/10/09	936	0.09	2.8	0.15	2.1	0.12	1.7	1.7	48	0.23	7.1	4.8	67	0.09	35.089	25.0	8.06	6.08	0.02
T5-500m	6/30/09	1028	0.24	7.5	0.23	3.2	0.12	1.7	5.1	144	0.52	16.1	6.0	84	0.08	34.897	26.8	8.20	5.70	0.07
Geomean FY '09			3.0		0.4		4.0				9.9		84		0.07					0.04
T5-500m	9/10/09	1032	0.16	4.9	0.16	2.2	0.21	2.9	12.2	344	0.70	21.8	5.7	80	0.12	35.25	27.5	8.20	5.31	0.29
T5-500m	11/24/09	955	0.02	0.766	0.01	0.2	0.03	0.4	7.3	205	0.37	11.6	4.1	57	0.05	35.27	25.2	8.23	6.43	0.13
T5-500m	2/24/10	1028	0.14	4.3	1.10	15.4	0.32	4.5	10.0	280	0.42	12.9	6.8	95	0.07	35.15	24.6	8.22	5.50	0.34
T5-500m	5/25/10	946	0.02	0.7	0.03	0.4	0.37	5.2	1.6	44	0.29	9.1	5.8	82	0.04	34.82	25.3	8.28	6.67	0.06
Geomean FY '10			1.8		1.3		2.3				13.1		77		0.06					0.17
T5-500m	8/11/10	1003	0.02	0.6	0.02	0.3	0.01	0.1	1.9	53	0.30	9.4	2.7	38	0.04	34.98	26.11	8.24	6.61	0.09
T5-500m	11/9/10	1001	0.02	0.766	0.01	0.2	0.03	0.4	7.3	205	0.37	11.6	4.1	57	0.08	34.94	26.47	8.29	6.20	0.08
T5-500m	1/11/11	1234	0.11	3.5	0.06	0.8	0.11	1.6	0.8	23	0.41	12.7	2.9	41	0.09	35.06	25.04	8.19	6.40	0.07
T5-500m	4/27/11	1007	0.12	3.8	0.29	4	0.26	3.7	4.1	116	0.46	14.3	3.6	50	0.06	34.87	25.02	8.22	6.16	0.18
Geomean FY '11			1.6		0.7		0.7				11.9		46		0.06					0.10

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Transect 5, Station 5

7/26/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	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)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-500m	7/27/11	1052	0.16	4.9	0.04	0.6	0.06	0.9	0.4	10	0.47	14.7	2.7	38	0.03	34.84	26.14	8.23	6.32	0.20
T5-500m	10/19/11	1032	0.03	0.9	0.09	1.2	0.04	0.5	3.5	99	0.35	10.9	3.7	52	0.05	35.10	26.67	8.26	7.05	0.19
T5-500m	1/26/12	958	0.06	1.8	0.01	0.1	0.01	0.2	1.4	39	0.34	10.5	3.5	49	0.07	35.05	24.45	8.20	6.63	0.09
T5-500m	4/25/12	1021	0.15	4.6	0.15	2.1	0.26	3.6	1.9	53	0.48	15	7.4	103	0.04	34.84	24.91	8.20	6.72	0.08
Geomean	FY '12		2.5		0.6		0.8				12.6		56		0.05					0.13
T5-500m	7/25/12	1014	0.00	0.1	0.01	0.1	0.16	2.2	1.5	43	0.37	11.5	4.0	56	0.09	35.01	26.53	8.24	6.84	0.25
T5-500m	11/28/12	1012	0.08	2.5	0.03	0.4	0.11	1.6	1.2	32	0.43	13.2	4.5	63	0.04	35.28	25.45	8.21	6.62	0.08
T5-500m	1/24/13	1002	0.06	1.8	0.01	0.1	0.02	0.3	1.2	34	0.40	12.5	4.3	61	0.04	35.11	24.83	8.23	6.30	0.09
T5-500m	4/17/13	1117	0.16	5.1	0.12	1.7	0.21	3	0.9	24	0.55	17	4.1	58	0.05	35.14	25.31	8.21	6.50	0.04
Geomean	FY '13		1.2		0.3		1.3				13.4		59		0.05					0.09
T5-500m	8/6/13	1051	0.06	1.8	0.00	0.1	0.06	0.9	1.7	48	0.33	10.2	4.4	62	0.02	35.26	26.9	8.22	6.77	0.09
T5-500m	10/30/13	952	0.11	3.5	0.04	0.5	0.06	0.8	0.9	26	0.47	14.7	5.7	80	0.03	34.99	27.1	8.22	6.06	0.08
T5-500m	2/5/14	1022	0.13	4.0	0.11	1.6	0.42	5.9	1.8	50	0.48	15.0	4.6	65	0.02	34.96	25.2	8.22	6.20	0.19
T5-500m	5/7/14	1016	0.09	2.7	0.12	1.7	0.10	1.4	2.3	65	0.42	12.9	5.5	77	0.04	34.79	26.0	8.20	5.51	0.25
Geomean	FY '14		2.9		0.6		1.6				13.1		70		0.03					0.14
T5-500m	8/6/14	1007	0.16	5.1	0.01	0.1	0.25	3.5	0.6	17	0.50	15.4	5.2	72	0.06	34.98	27.2	8.23	6.01	0.05
T5-500m	12/4/14	1045	0.10	3.2	0.03	0.4	0.41	5.7	0.2	5	0.46	14.3	7.0	98	0.09	35.24	26.5	8.25	6.37	0.16
T5-500m	3/5/15	1046	0.01	0.2	0.08	1.1	0.10	1.4	0.6	17	0.34	10.5	5.7	79	0.10	34.75	25.4	8.30	6.83	0.20
T5-500m	6/18/15	1013	0.09	2.8	0.01	0.2	0.49	6.9	0.9	25	0.18	5.6	6.2	87	0.10	34.54	26.8	8.21	6.53	0.08
Geomean	FY '15		1.7		0.3		3.7				10.7		84		0.09					0.11
T5-500m	8/27/15	1019	0.15	4.7	0.01	0.2	0.27	3.8	1.3	37	0.19	6.0	4.7	66	0.02	34.72	28.7	8.27	5.91	0.12
T5-500m	11/18/15	1050	0.14	4.4	0.37	5.2	0.21	3.0	3.3	93	0.52	16.1	5.3	74	0.05	34.56	27.4	8.28	6.89	0.11
T5-500m	3/2/16	930	0.12	3.8	0.17	2.4	0.36	5.0	0.5	15	0.47	14.7	5.6	78	0.05	34.65	25.3	8.25	5.80	0.09
T5-500m	5/4/16	1025	0.04	1.2	0.04	0.6	0.08	1.1	0.1	3	0.41	12.6	4.9	69	0.07	34.70	26.1	8.18	6.12	0.17
Geomean	FY '16		3.1		1.1		2.8				11.6		71		0.04					0.12
T5-500m	7/7/16	1029	0.06	1.8	1.17	16.4	0.23	3.2	0.1	3	0.38	11.8	1.7	24	0.07	34.73	27.1	8.33	6.60	0.21
T5-500m	12/21/16	1044	0.02	0.7	0.08	1.1	0.04	0.5	1.2	33	0.34	10.5	3.7	52	0.03	34.72	25.6	8.28	5.88	0.12
T5-500m	3/1/17	1111	0.01	0.2	0.04	0.5	0.11	1.5	0.1	4	0.28	8.7	2.6	36	0.08	34.79	24.6	8.25	5.83	0.18
T5-500m	5/10/17	1126	0.06	1.8	0.04	0.5	0.29	4.1	0.4	12	0.21	6.4	2.9	41	0.05	34.88	25.8	8.23	4.08	0.12
Geomean	FY '17		0.8		1.5		1.8				9.1		37		0.05					0.15

NELHA Water Quality Laboratory

Transect 5, Station 5

7/26/1993 - 7/10/2025

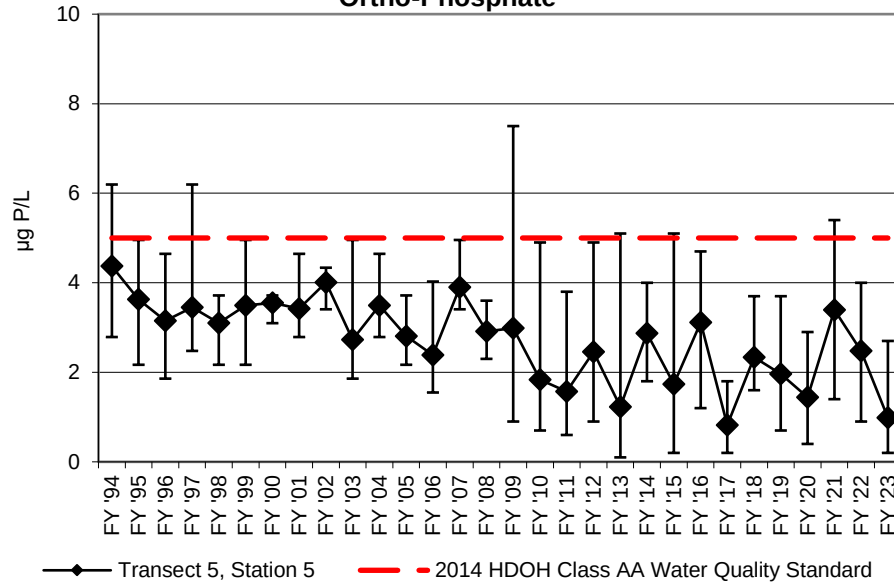
SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T5-500m	9/28/17	1021	0.12	3.7	0.06	0.9	0.11	1.5	0.5	14	0.37	11.5	3.0	42	0.06	34.85	28.0	8.18	4.72	0.11
T5-500m	11/30/17	1007	0.08	2.4	0.12	1.7	0.30	4.2	1.1	32	0.35	10.9	3.5	49	0.09	35.23	26.6	8.24	5.58	0.14
T5-500m	2/6/18	1052	0.05	1.6	0.12	1.7	0.39	5.4	0.6	17	0.32	9.8	1.6	22	0.09	34.86	25.0	8.16	5.72	0.09
T5-500m	5/17/18	1034	0.07	2.1	0.14	2.0	0.10	1.4	1.0	27	0.35	10.9	1.5	21	0.09	34.50	26.0	8.16	6.53	0.09
Geomean FY '18			2.3		1.5		2.6				10.8		31		0.08					0.11
T5-500m	9/26/18	1309	0.08	2.5	0.16	2.3	0.26	3.6	0.0	1	0.32	9.8	2.0	28	0.09	34.75	27.7	8.15	4.54	0.10
T5-500m	11/14/18	1116	0.02	0.7	0.06	0.9	0.34	4.8	0.0	1	0.38	11.7	3.6	50	0.07	34.91	27.4	8.20	6.08	0.12
T5-500m	1/23/19	1100	0.07	2.3	0.16	2.3	0.16	2.2	0.5	14	0.36	11.3	2.1	29	0.06	34.95	25.0	8.19	4.96	0.13
T5-500m	4/17/19	1054	0.12	3.7	0.14	1.9	0.15	2.1	1.0	27	0.38	11.8	2.9	41	0.05	34.73	25.7	8.12	6.85	0.09
Geomean FY '19			2.0		1.7		3.0				11.1		36		0.07					0.11
T5-500m	8/15/19	1024	0.01	0.4	0.16	2.3	0.16	2.2	1.3	38	0.30	9.2	2.0	28	0.09	35.32	28.5	8.28	6.60	0.14
T5-500m	11/20/19	1134	0.09	2.9	0.04	0.5	0.22	3.1	0.0	1	0.36	11.3	1.9	27	0.06	35.20	27.6	8.20	6.56	0.12
T5-500m	1/23/20	1045	0.08	2.5	0.16	2.3	0.09	1.3	0.3	8	0.38	11.8	4.1	58	0.05	34.98	25.0	8.22	6.68	0.11
T5-500m	6/25/20	1003	0.05	1.5	0.16	2.3	0.36	5.0	0.3	9	0.24	7.3	2.4	34	0.05	35.54	26.5	8.19	6.54	0.12
Geomean FY '20			1.4		1.5		2.6				9.7		35		0.06					0.12
T5-500m	9/23/20	1020	0.17	5.4	0.04	0.5	0.11	1.6	1.2	35	0.35	10.8	6.3	89	0.02	36.11	26.2	8.19	5.51	0.21
T5-500m	12/16/20	1024	0.14	4.4	0.16	2.3	0.21	2.9	0.1	3	0.28	8.8	5.6	78	0.04	35.57	26.5	8.11	6.64	0.11
T5-500m	3/10/21	1032	0.13	4.0	0.24	3.3	0.16	2.2	0.6	16	0.30	9.2	3.8	53	0.06	35.73	24.8	8.09	6.81	0.17
T5-500m	5/26/21	947	0.05	1.4	0.17	2.4	0.09	1.2	1.3	37	0.13	3.9	4.4	62	0.05	35.64	25.6	8.01	6.81	0.13
Geomean FY '21			3.4		1.7		1.9				7.6		69		0.04					0.15
T5-500m	9/24/21	1057	0.03	0.9	0.04	0.6	0.36	5.1	-0.3	-8	0.18	5.7	4.6	64	0.06	35.55	26.9	8.02	6.65	0.24
T5-500m	12/16/21	1018	0.13	4.0	0.30	4.2	0.12	1.7	2.3	65	0.27	8.3	4.7	65	0.06	35.06	25.9	8.11	6.64	0.23
T5-500m	3/16/22	1055	0.11	3.4	0.01	0.1	0.05	0.7	-0.1	-2	0.30	9.4	4.1	58	0.08	34.91	25.6	8.07	6.83	0.20
T5-500m	6/9/22	954	0.10	3.1	0.21	2.9	0.29	4.1	1.7	49	0.26	8.1	4.5	63	0.06	34.45	26.4	8.02	6.70	0.21
Geomean FY '22			2.5		0.9		2.2				7.7		63		0.06					0.22
T5-500m	9/22/22	1000	0.01	0.2	0.04	0.5	0.14	2.0	-0.1	-2	0.13	4.1	4.2	58	0.14	34.91	27.3	8.09	6.65	0.20
T5-500m	12/27/22	1137	0.08	2.5	0.08	1.1	0.09	1.3	0.6	17	0.18	5.5	4.8	67	0.04	34.95	26.0	8.15	6.73	0.25
T5-500m	3/16/23	859	0.09	2.7	0.15	2.1	0.10	1.4	2.7	75	0.23	7.2	5.4	75	0.14	34.66	24.9	8.05	6.93	0.35
T5-500m	6/1/23	1011	0.02	0.7	0.22	3.1	0.01	0.2	1.9	52	0.20	6.1	4.9	68	0.11	34.69	25.9	8.07	6.63	0.20
Geomean FY '23			1.0		1.4		0.9				5.6		67		0.10					0.24

NELHA Water Quality Laboratory

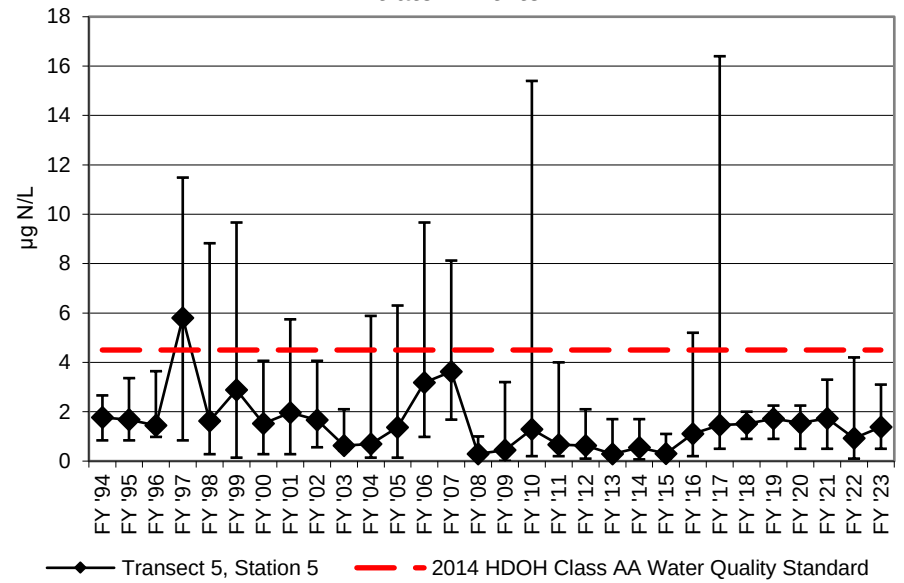
Transect 5, Station 5

7/26/1993 - 7/10/2025

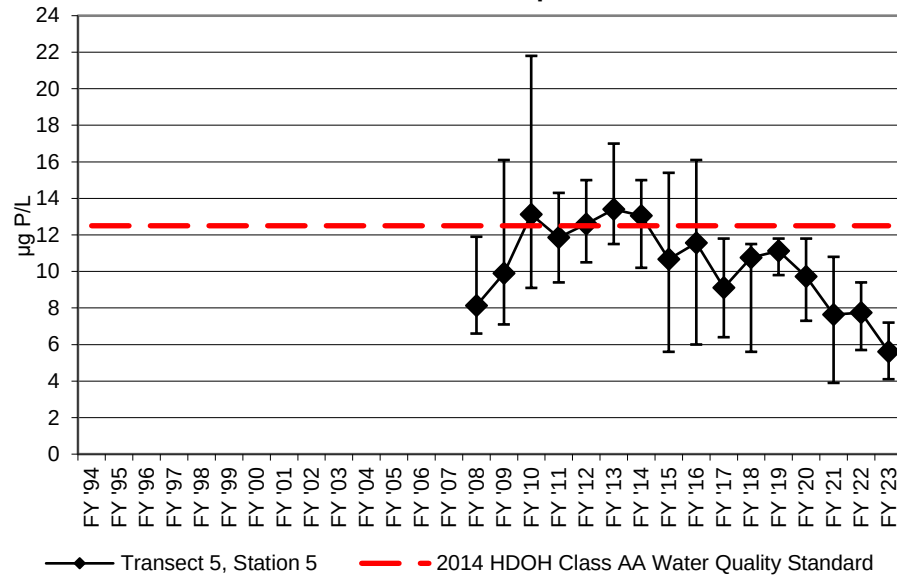
**Yearly Geometric Mean
Ortho-Phosphate**



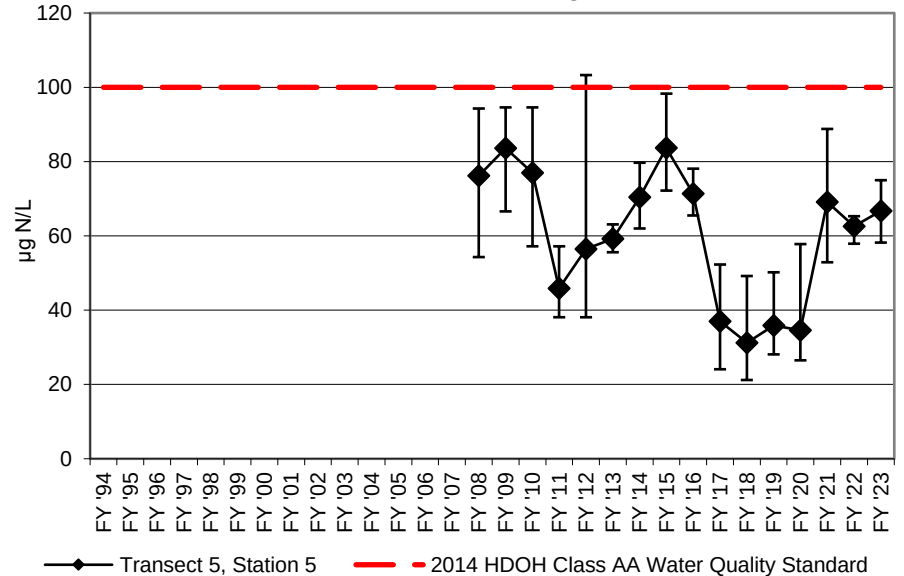
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

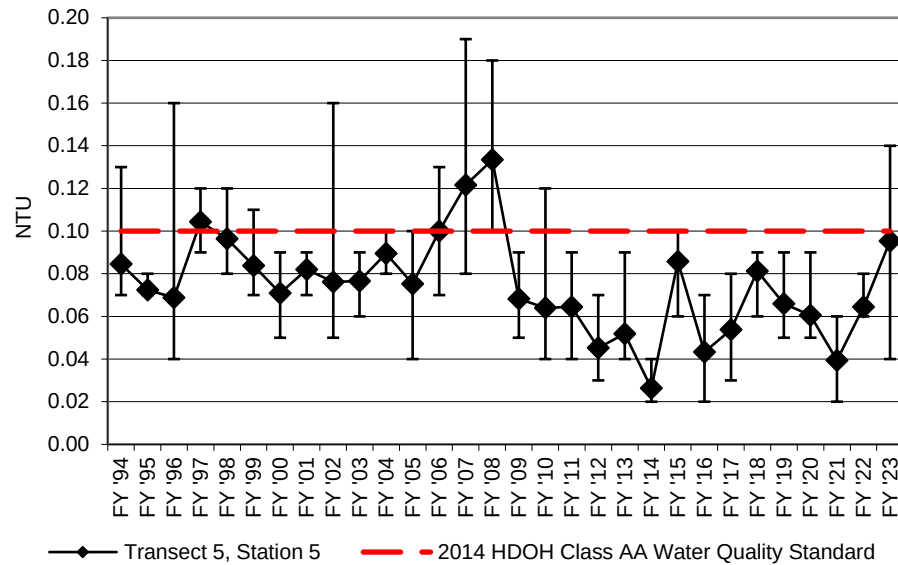


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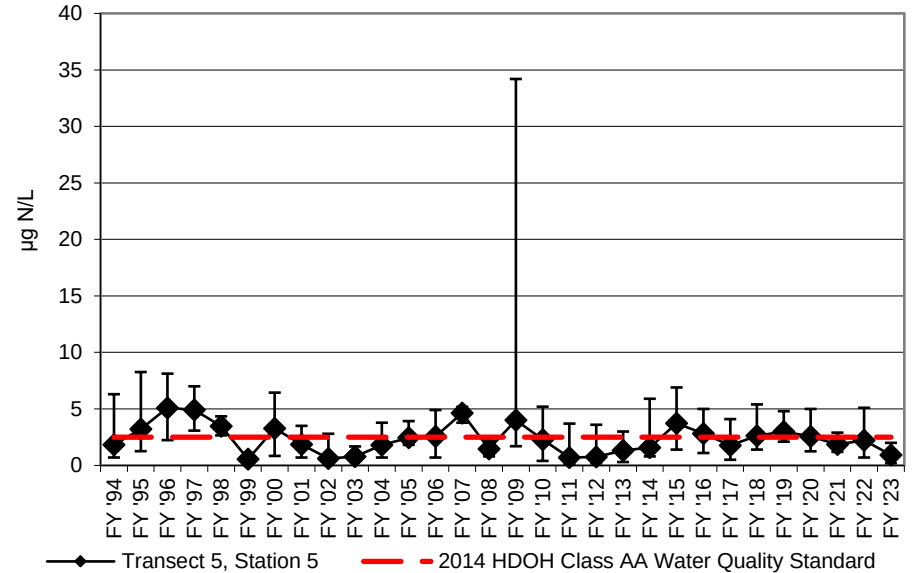
Transect 5, Station 5

7/26/1993 - 7/10/2025

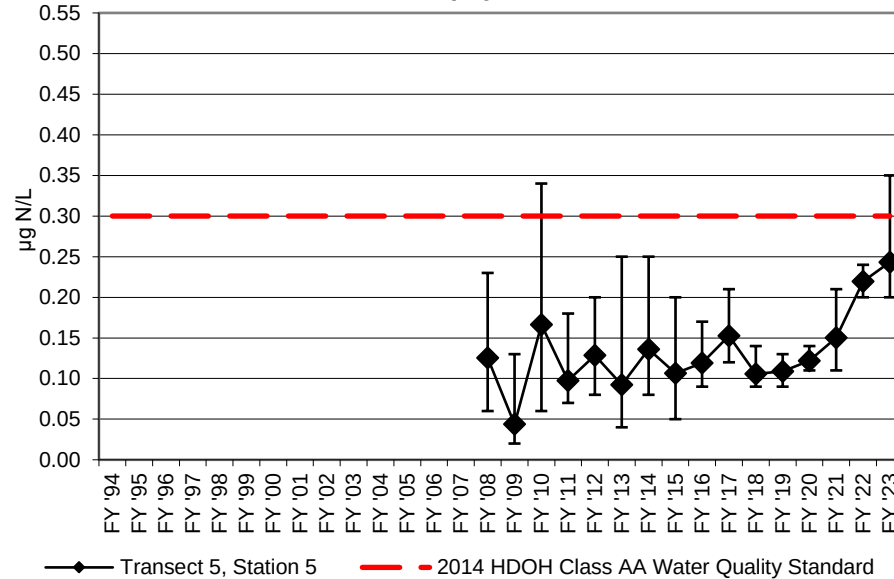
Yearly Geometric Mean Turbidity



Yearly Geometric Mean Total Ammonia



Yearly Geometric Mean Chlorophyll-a



NELHA Water Quality Laboratory

Transect 5

July 2018 - June 2019

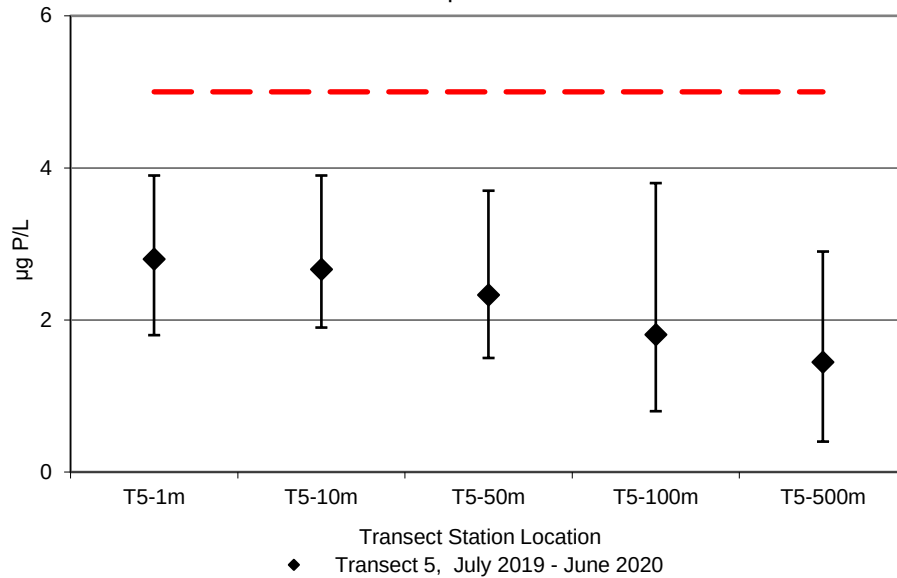
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(o/oo)	(°C)		(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	8/15/19	1003	0.1	Flood	0.06	1.8	0.16	2.3	0.41	5.8	3.1	86	0.30	9.4	2.3	32	0.10	35.24	28.2	8.26	6.77	0.14
T5-1m	11/20/19	1108	1.9	High	0.13	3.9	0.31	4.3	0.17	2.4	0.8	24	0.44	13.7	3.2	45	0.09	35.20	27.5	8.22	6.88	0.13
T5-1m	1/23/20	1021	0.3	Low	0.12	3.8	0.16	2.3	0.09	1.3	1.1	31	0.42	12.9	2.3	33	0.08	34.92	24.9	8.22	7.09	0.10
T5-1m	6/25/20	942	0.4	Ebb	0.07	2.3	0.01	0.2	0.25	3.5	1.7	48	0.27	8.3	2.7	38	0.08	35.47	26.1	8.17	6.70	0.20
Geomear FY '20					0.09	2.8	0.10	1.4	0.2	2.8			0.3	10.8	2.6	37	0.09					0.14
T5-10m	8/15/19	1007	0.1	Flood	0.06	2.0	0.16	2.3	0.31	4.3	3.5	100	0.30	9.2	1.8	25	0.08	35.24	28.2	8.26	6.75	0.17
T5-10m	11/20/19	1113	1.9	High	0.13	3.9	0.31	4.3	0.01	0.2	0.8	23	0.45	13.8	3.3	46	0.09	35.19	27.5	8.22	6.79	0.10
T5-10m	1/23/20	1026	0.3	Low	0.11	3.4	0.16	2.3	0.09	1.3	3.3	92	0.38	11.9	2.6	36	0.11	34.91	24.9	8.23	7.12	0.11
T5-10m	6/25/20	946	0.4	Ebb	0.06	1.9	0.16	2.3	0.06	0.8	1.6	46	0.28	8.7	1.5	21	0.07	35.48	26.1	8.18	6.73	0.22
Geomear FY '20					0.09	2.7	0.19	2.6	0.07	1.0			0.35	10.7	2.2	31	0.09					0.14
T5-50m	8/15/19	1011	0.1	Flood	0.05	1.5	0.16	2.3	0.24	3.3	3.1	86	0.29	9.1	2.0	28	0.12	35.25	28.2	8.26	6.52	0.15
T5-50m	11/20/19	1117	1.9	High	0.12	3.7	0.29	4.0	0.07	1.0	0.9	24	0.43	13.4	3.3	46	0.09	35.20	27.5	8.21	6.71	0.10
T5-50m	1/23/20	1030	0.3	Low	0.11	3.3	0.16	2.3	0.09	1.3	0.8	24	0.41	12.8	3.0	42	0.07	34.94	25.0	8.22	6.98	0.10
T5-50m	6/25/20	950	0.4	Ebb	0.05	1.6	0.16	2.3	0.23	3.2	0.4	12	0.27	8.4	2.1	30	0.06	35.53	26.3	8.18	6.61	0.18
Geomear FY '20					0.08	2.3	0.19	2.6	0.14	1.9			0.35	10.7	2.5	35	0.08					0.13
T5-100m	8/15/19	1017	0.2	Flood	0.04	1.3	0.16	2.3	0.51	7.1	3.9	108	0.29	9.1	2.6	37	0.09	35.25	28.2	8.26	6.46	0.17
T5-100m	11/20/19	1122	1.9	High	0.12	3.8	0.21	3.0	0.38	5.3	1.1	30	0.42	12.9	2.9	40	0.09	35.16	27.5	8.21	6.76	0.12
T5-100m	1/23/20	1035	0.3	Low	0.09	2.7	0.16	2.3	0.09	1.3	0.0	0	0.41	12.7	2.4	34	0.08	34.98	25.0	8.21	6.69	0.11
T5-100m	6/25/20	955	0.4	Ebb	0.03	0.8	0.16	2.3	0.25	3.5	0.4	12	0.28	8.7	2.1	30	0.06	35.53	26.3	8.18	6.57	0.20
Geomear FY '20					0.06	1.8	0.17	2.4	0.26	3.6			0.34	10.7	2.5	35	0.08					0.15
T5-500m	8/15/19	1024	0.2	Flood	0.01	0.4	0.16	2.3	0.16	2.2	1.3	38	0.30	9.2	1.98	28	0.09	35.32	28.5	8.28	6.60	0.14
T5-500m	11/20/19	1134	1.9	High	0.09	2.9	0.04	0.5	0.22	3.1	0.0	1	0.36	11.3	1.89	27	0.06	35.20	27.6	8.20	6.56	0.12
T5-500m	1/23/20	1045	0.0	Low	0.08	2.5	0.16	2.3	0.09	1.3	0.3	8	0.38	11.8	4.13	58	0.05	34.98	25.0	8.22	6.68	0.11
T5-500m	6/25/20	1003	0.4	Ebb	0.05	1.5	0.16	2.3	0.36	5.0	0.3	9	0.24	7.3	2.42	34	0.05	35.54	26.5	8.19	6.54	0.12
Geomear FY '20					0.05	1.4	0.11	1.5	0.18	2.6			0.31	9.7	2.5	35	0.06					0.12

NELHA Water Quality Laboratory

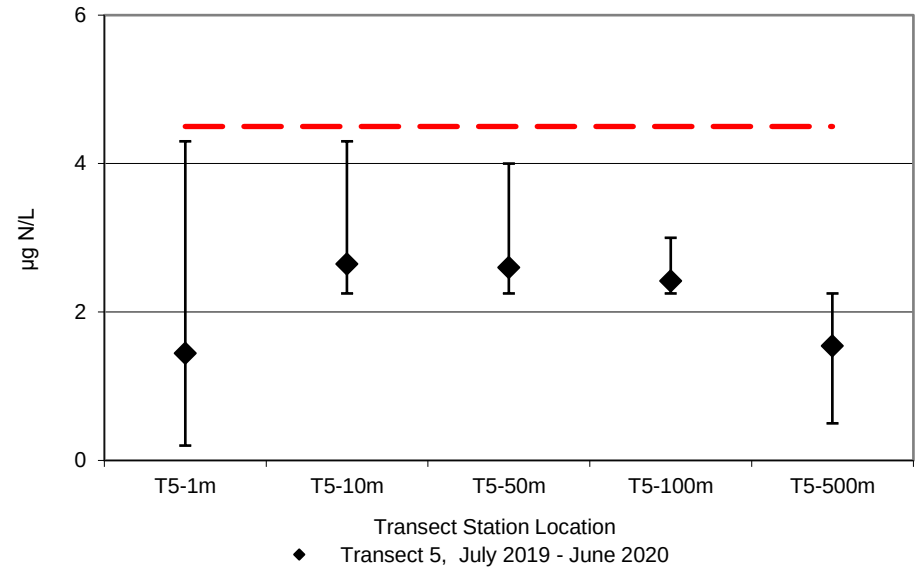
Transect 5

Julv 2018 - June 2019

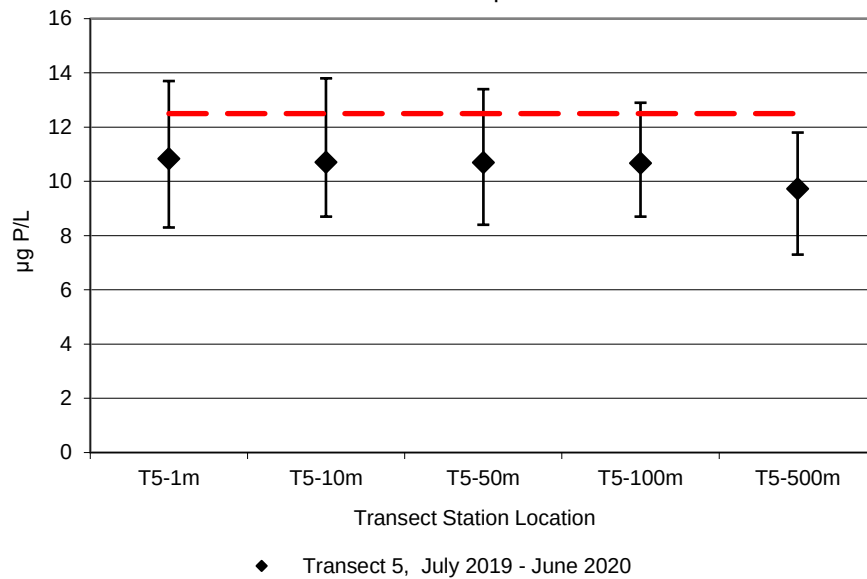
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



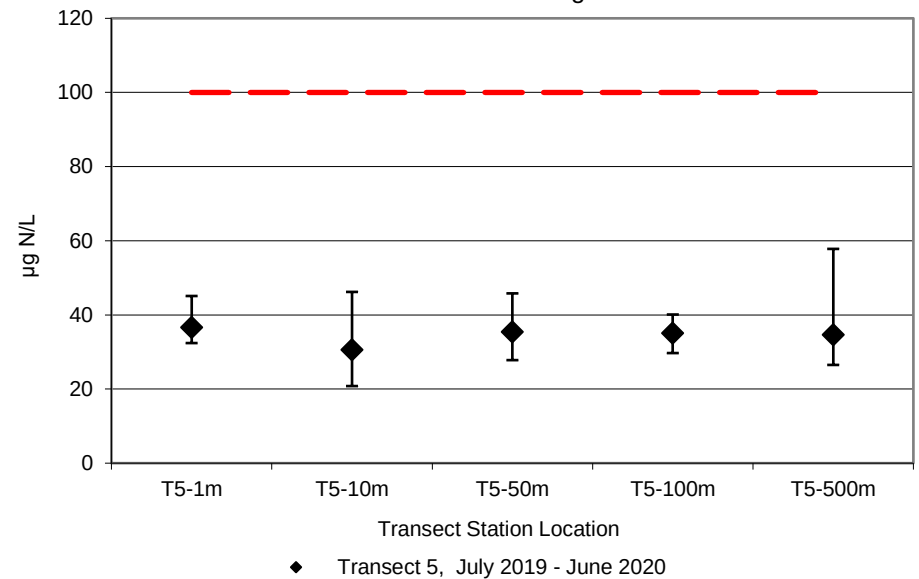
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean

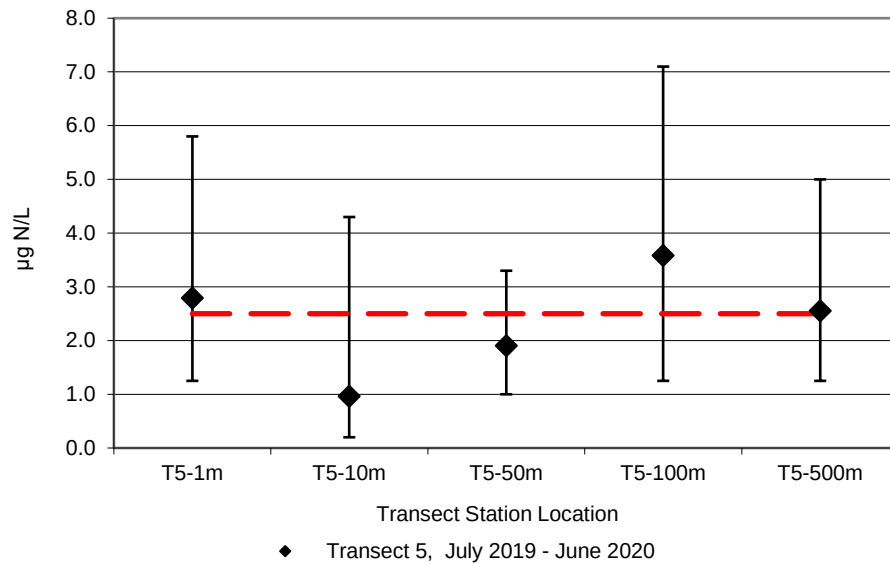


NELHA Water Quality Laboratory

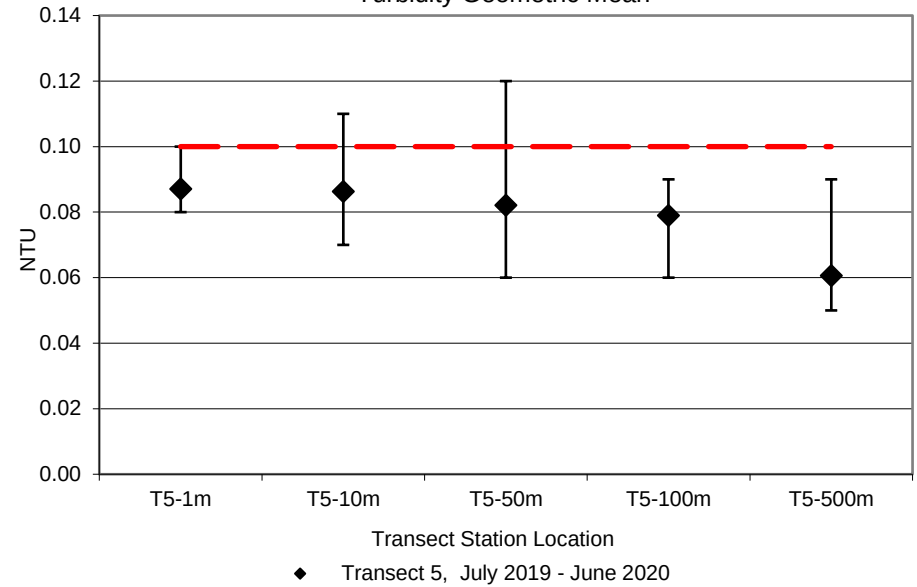
Transect 5

July 2018 - June 2019

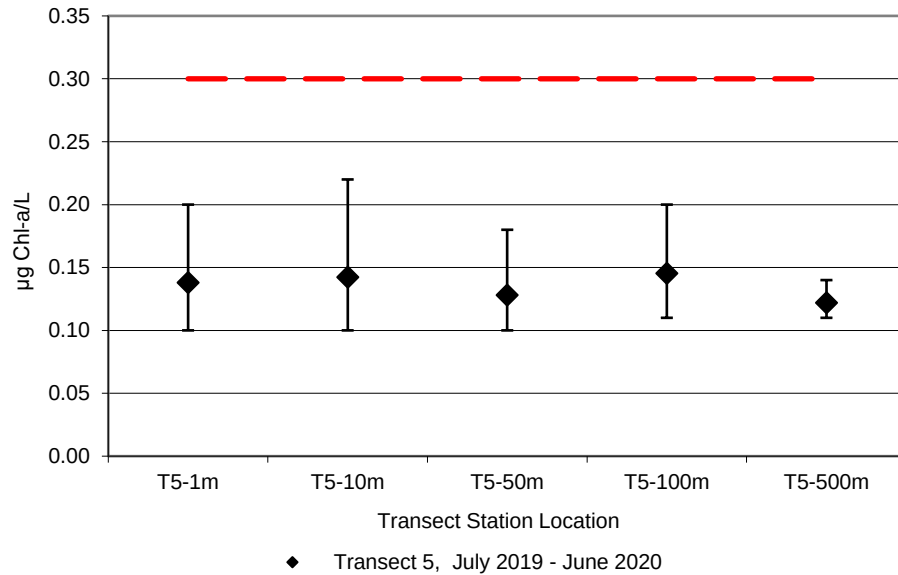
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2018 - June 2019

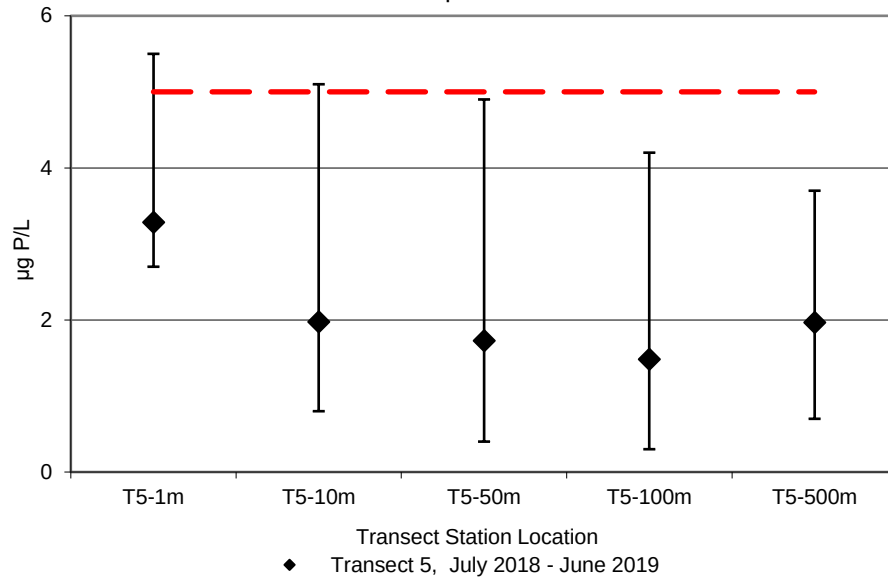
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(o/oo)	(°C)		(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	9/26/18	1243	0.7	Flood	0.09	2.7	0.16	2.3	0.14	1.9	0.9	26	0.29	8.9	1.7	23	0.09	34.73	27.6	8.17	4.88	0.15
T5-1m	#####	1051	1.6	Ebb	0.09	2.7	0.40	5.6	0.26	3.7	0.4	11	0.33	10.3	3.2	44	0.08	34.90	27.3	8.21	6.20	0.16
T5-1m	1/23/19	1038	0.5	Ebb	0.09	2.9	0.18	2.5	0.15	2.1	1.8	51	0.37	11.4	2.6	37	0.07	34.88	24.9	8.19	5.23	0.21
T5-1m	4/17/19	1028	0.5	Flood	0.18	5.5	0.56	7.9	0.23	3.2	4.1	115	0.42	13.1	3.2	45	0.05	34.65	25.7	8.12	7.21	0.13
Geomear FY '19					0.11	3.3	0.28	4.0	0.2	2.6			0.3	10.8	2.6	36	0.07					0.16
T5-10m	9/26/18	1251	0.7	Flood	0.03	0.8	0.16	2.3	0.10	1.4	0.1	4	0.27	8.5	1.6	23	0.09	34.74	27.6	8.16	4.82	0.13
T5-10m	#####	1056	1.6	Ebb	0.04	1.2	0.33	4.6	0.21	2.9	0.1	4	0.30	9.3	2.6	37	0.08	34.90	27.3	8.20	6.25	0.15
T5-10m	1/23/19	1043	0.5	Ebb	0.10	3.1	0.15	2.1	0.23	3.2	2.1	59	0.36	11.2	2.0	28	0.09	34.89	24.9	8.20	5.23	0.24
T5-10m	4/17/19	1033	0.5	Flood	0.16	5.1	0.51	7.2	0.31	4.4	4.2	117	0.38	11.7	2.6	36	0.08	34.69	25.7	8.12	7.03	0.14
Geomear FY '19					0.06	2.0	0.25	3.5	0.20	2.7			0.33	10.1	2.2	30	0.08					0.16
T5-50m	9/26/18	1257	0.7	Flood	0.01	0.4	0.16	2.3	0.09	1.3	0.2	6	0.30	9.2	1.4	20	0.1	34.74	27.6	8.16	4.79	0.13
T5-50m	#####	1102	1.6	Ebb	0.06	1.8	0.21	3.0	0.14	2.0	0.1	3	0.34	10.5	4.4	62	0.09	34.90	27.3	8.20	6.07	0.13
T5-50m	1/23/19	1048	0.5	Ebb	0.08	2.5	0.16	2.3	0.09	1.2	1.0	27	0.35	10.9	2.9	41	0.07	34.94	24.9	8.19	4.99	0.22
T5-50m	4/17/19	1039	0.5	Flood	0.16	4.9	0.33	4.6	0.17	2.4	9.2	257	0.41	12.7	2.9	41	0.06	34.72	25.7	8.12	7.01	0.12
Geomear FY '19					0.06	1.7	0.21	2.9	0.12	1.6			0.35	10.8	2.7	38	0.08					0.15
T5-100m	9/26/18	1302	0.7	Flood	0.01	0.3	0.16	2.3	0.34	4.7	0.3	8	0.32	9.9	2.4	34	0.09	34.73	27.6	8.16	4.75	0.11
T5-100m	#####	1107	1.6	Ebb	0.05	1.6	0.11	1.6	0.39	5.5	0.0	1	0.34	10.4	3.3	46	0.07	34.90	27.3	8.20	6.01	0.16
T5-100m	1/23/19	1053	0.5	Ebb	0.08	2.4	0.16	2.3	0.09	1.2	1.2	34	0.35	10.9	2.1	29	0.06	34.94	24.9	8.19	4.99	0.23
T5-100m	4/17/19	1045	0.5	Flood	0.14	4.2	0.24	3.3	0.23	3.2	0.9	25	0.38	11.8	2.4	34	0.04	34.74	25.7	8.12	6.87	0.10
Geomear FY '19					0.05	1.5	0.16	2.3	0.23	3.2			0.35	10.7	2.5	35	0.06					0.14
T5-500m	9/26/18	1309	0.7	Flood	0.08	2.5	0.16	2.3	0.26	3.6	0.0	1	0.32	9.8	2.01	28	0.09	34.75	27.7	8.15	4.54	0.10
T5-500m	#####	1116	1.6	Ebb	0.02	0.7	0.06	0.9	0.34	4.8	0.0	1	0.38	11.7	3.58	50	0.07	34.91	27.4	8.20	6.08	0.12
T5-500m	1/23/19	1100	0.5	Ebb	0.07	2.3	0.16	2.3	0.16	2.2	0.5	14	0.36	11.3	2.06	29	0.06	34.95	25.0	8.19	4.96	0.13
T5-500m	4/17/19	1054	0.5	Flood	0.12	3.7	0.14	1.9	0.15	2.1	1.0	27	0.38	11.8	2.92	41	0.05	34.73	25.7	8.12	6.85	0.09
Geomear FY '19					0.06	2.0	0.12	1.7	0.21	3.0			0.36	11.1	2.6	36	0.07					0.11

NELHA Water Quality Laboratory

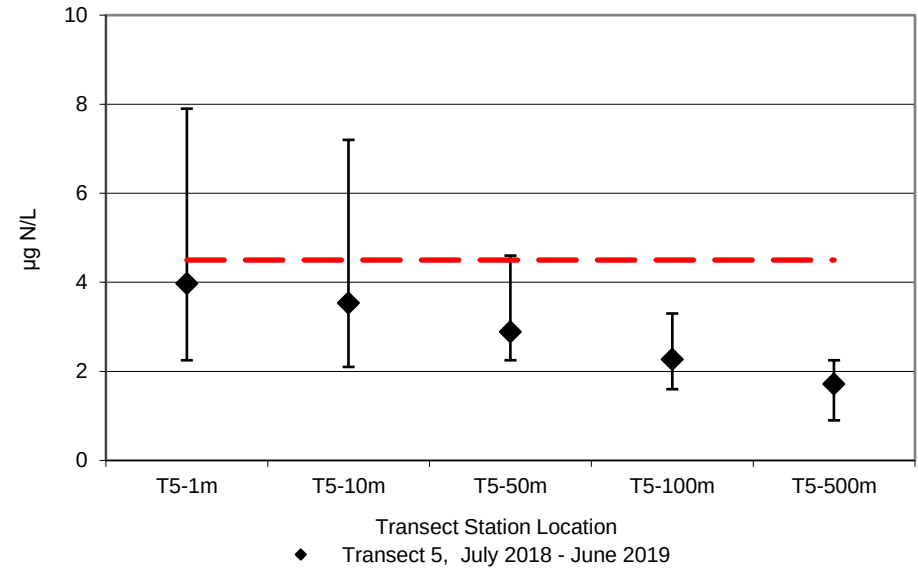
Transect 5

Julv 2018 - June 2019

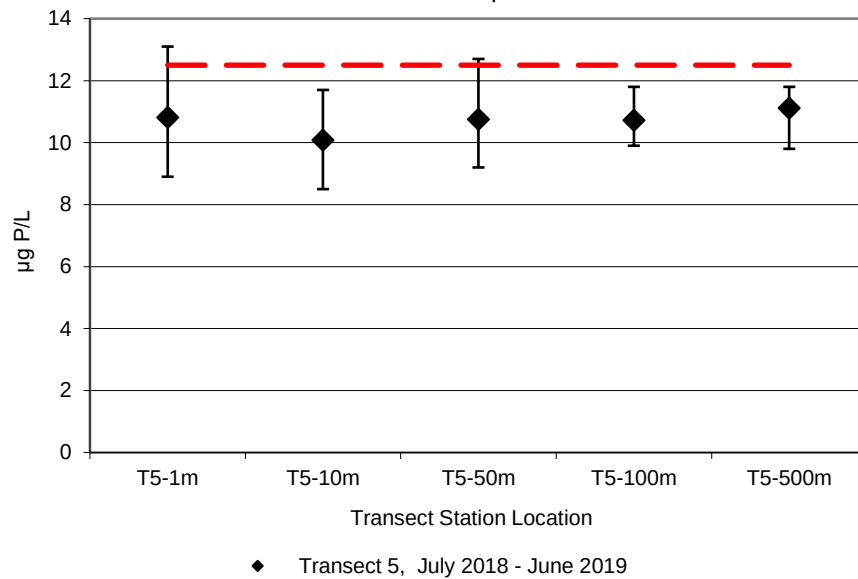
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



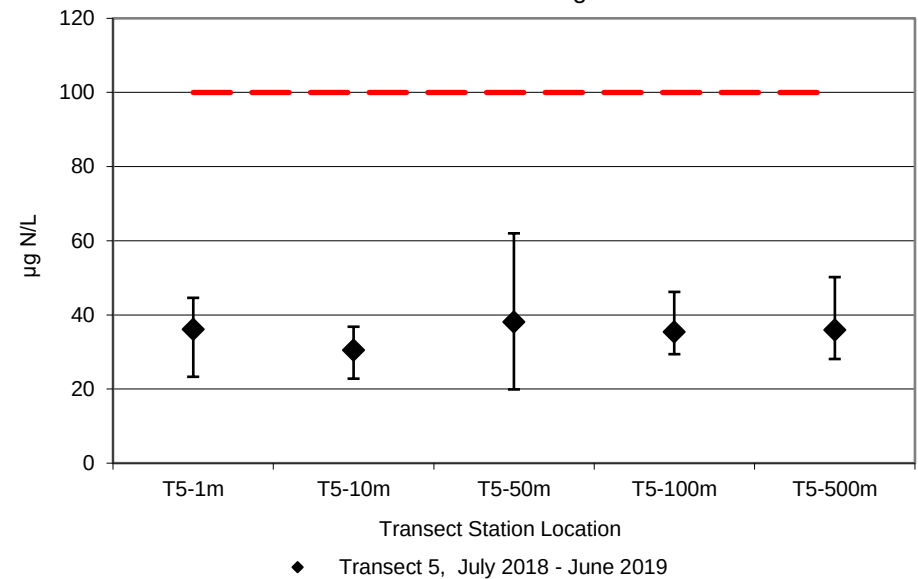
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean

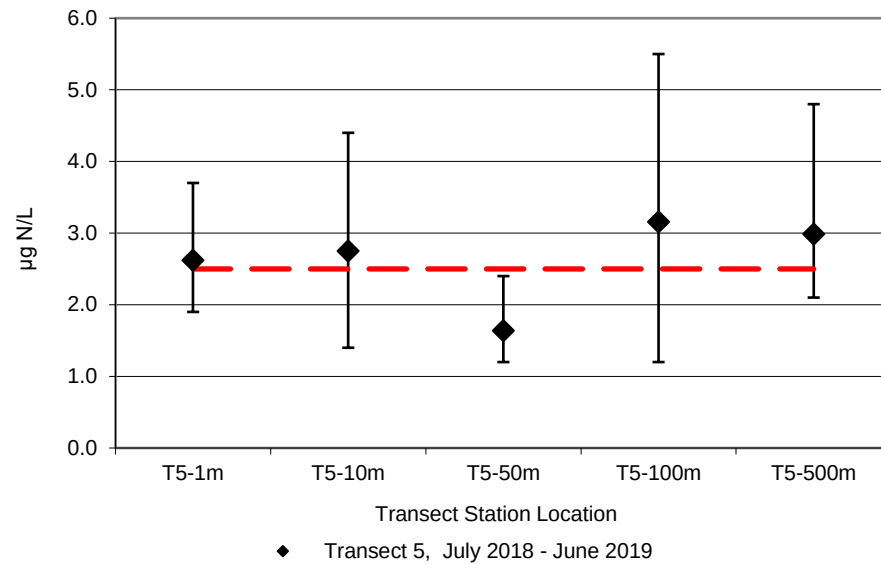


NELHA Water Quality Laboratory

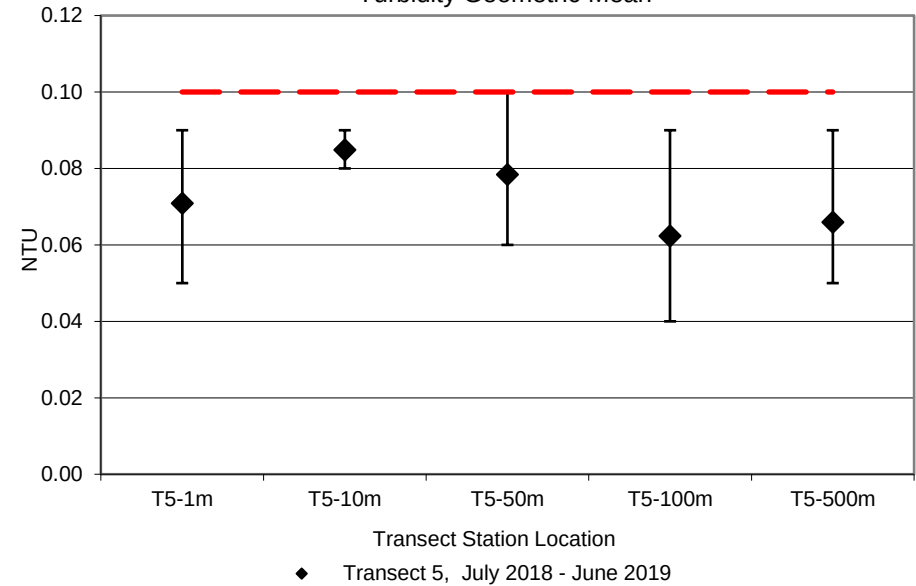
Transect 5

July 2018 - June 2019

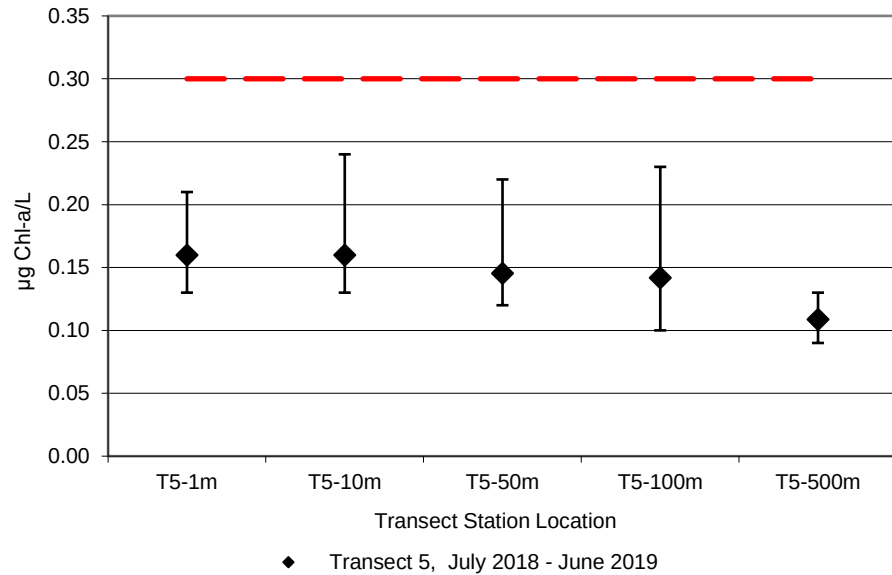
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2017 - June 2018

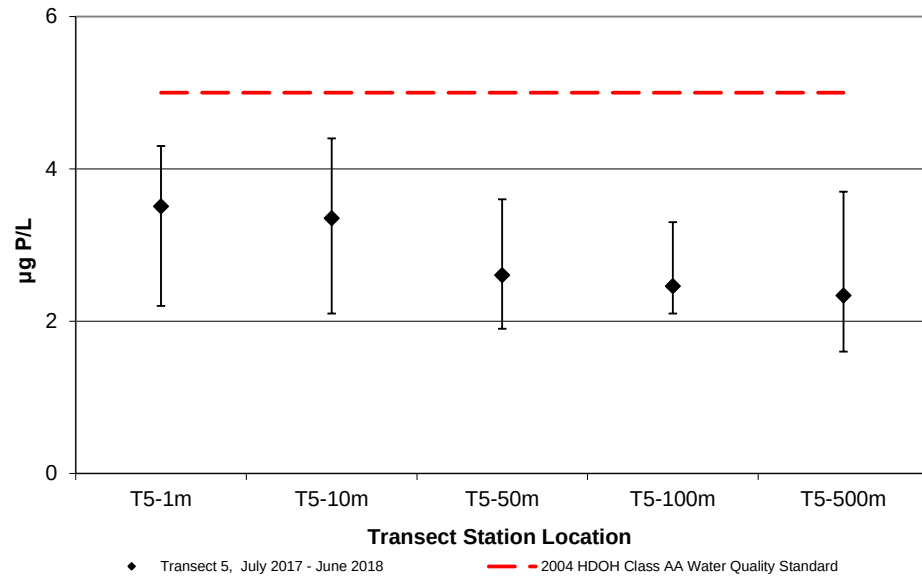
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO ₄ ³⁻ (μM) (μg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)	NH ₄ ⁺ & NH ₃ (μM) (μg N/L)	Si (μM) (μg Si/L)	TDP (μM) (μg P/L)	TDN (μM) (μg N/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)						
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5		0.40	12.5	7.1	100	0.10					0.3	
T5-1m	9/28/17	1000	1.6 High	0.14	4.3	0.25	3.5	0.27	3.8	0.8	23	0.42	13.1	4.1	57	0.10	34.82	27.8	8.19	4.94	0.15
T5-1m	11/30/17	947	0.9 Flood	0.13	4.1	0.81	11.3	0.39	5.5	4.6	129	0.40	12.4	5.0	70	0.09	35.09	26.3	8.23	5.79	0.15
T5-1m	2/6/18	1029	1.1 Ebb	0.07	2.2	0.01	0.2	0.39	5.5	1.2	34	0.31	9.7	4.4	62	0.10	34.84	24.9	8.16	5.79	0.11
T5-1m	5/17/18	1001	-0.4 Low	0.13	3.9	0.55	7.7	0.31	4.3	5.0	141	0.38	11.9	2.2	31	0.04	34.70	25.9	8.17	6.69	0.13
Geomean	'17-'18			0.11	3.5	0.20	2.8	0.3	4.7			0.4	11.7	3.8	53	0.08					0.13
T5-10m	9/28/17	1004	1.6 High	0.14	4.4	0.25	3.5	0.24	3.3	0.7	19	0.39	12.2	2.1	29	0.07	34.82	27.8	8.19	4.86	0.15
T5-10m	11/30/17	951	0.9 Flood	0.10	3.1	0.39	5.4	0.49	6.9	2.5	70	0.36	11.2	3.5	48	0.10	35.14	26.3	8.23	5.76	0.17
T5-10m	2/6/18	1033	1.1 Ebb	0.07	2.1	0.02	0.3	0.45	6.3	1.2	33	0.33	10.1	2.1	29	0.10	34.84	24.9	8.16	5.84	0.07
T5-10m	5/17/18	1005	-0.4 Low	0.14	4.4	0.64	8.9	0.40	5.6	5.3	150	0.38	11.8	2.4	34	0.09	34.73	25.9	8.17	6.75	0.10
Geomean	'17-'18			0.11	3.4	0.19	2.7	0.38	5.3			0.36	11.3	2.5	34	0.09					0.12
T5-50m	9/28/17	1010	1.6 High	0.12	3.6	0.11	1.5	0.06	0.8	0.5	14	0.39	12.2	2.4	33	0.07	34.84	27.8	8.19	4.69	0.13
T5-50m	11/30/17	956	0.9 Flood	0.09	2.8	0.18	2.5	0.34	4.8	1.4	38	0.37	11.4	5.0	70	0.05	35.22	26.4	8.23	5.63	0.17
T5-50m	2/6/18	1038	1.1 Ebb	0.06	1.9	0.02	0.3	0.29	4.1	1.0	29	0.33	10.1	2.5	35	0.08	34.85	24.9	8.16	5.78	0.07
T5-50m	5/17/18	1010	-0.4 Low	0.08	2.4	0.08	1.1	0.20	2.8	2.3	65	0.38	11.8	1.8	26	0.05	34.81	26.1	8.17	6.50	0.09
Geomean	'17-'18			0.08	2.6	0.08	1.1	0.18	2.6			0.37	11.3	2.7	38	0.06					0.11
T5-100m	9/28/17	1014	1.6 High	0.11	3.3	0.06	0.8	0.11	1.5	0.5	14	0.39	12.0	3.0	41	0.06	34.84	27.8	8.18	4.71	0.12
T5-100m	11/30/17	1001	0.9 Flood	0.07	2.1	0.11	1.6	0.33	4.6	1.2	33	0.35	10.9	3.2	45	0.06	35.23	26.6	8.24	5.65	0.13
T5-100m	2/6/18	1044	1.1 Ebb	0.07	2.3	0.04	0.6	0.42	5.9	1.0	29	0.32	9.9	1.9	26	0.08	34.86	24.9	8.16	5.74	0.07
T5-100m	5/17/18	1016	-0.4 Low	0.07	2.3	0.09	1.2	0.16	2.2	1.1	30	0.36	11.2	1.6	23	0.05	34.89	26.3	8.17	6.26	0.05
Geomean	'17-'18			0.08	2.5	0.07	1.0	0.22	3.1			0.35	11.0	2.3	32	0.06					0.09
T5-500m	9/28/17	1021	1.6 High	0.12	3.7	0.06	0.9	0.11	1.5	0.5	14	0.37	11.5	2.98	42	0.06	34.85	28.0	8.18	4.72	0.11
T5-500m	11/30/17	1007	0.9 Flood	0.08	2.4	0.12	1.7	0.30	4.2	1.1	32	0.35	10.9	3.51	49	0.09	35.23	26.6	8.24	5.58	0.14
T5-500m	2/6/18	1052	1.1 Ebb	0.05	1.6	0.12	1.7	0.39	5.4	0.6	17	0.32	9.8	1.56	22	0.09	34.86	25.0	8.16	5.72	0.09
T5-500m	5/17/18	1034	-0.4 Low	0.07	2.1	0.14	2.0	0.10	1.4	1.0	27	0.35	10.9	1.51	21	0.09	34.50	26.0	8.16	6.53	0.09
Geomean	'17-'18			0.08	2.3	0.11	1.5	0.19	2.6			0.35	10.8	2.2	31	0.08					0.11

NELHA Water Quality Laboratory

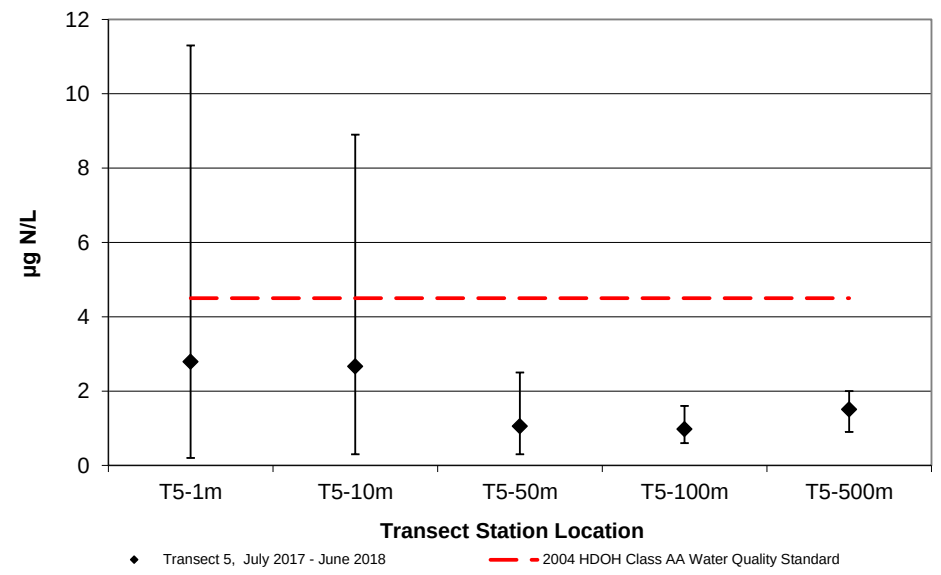
Transect 5

July 2017 - June 2018

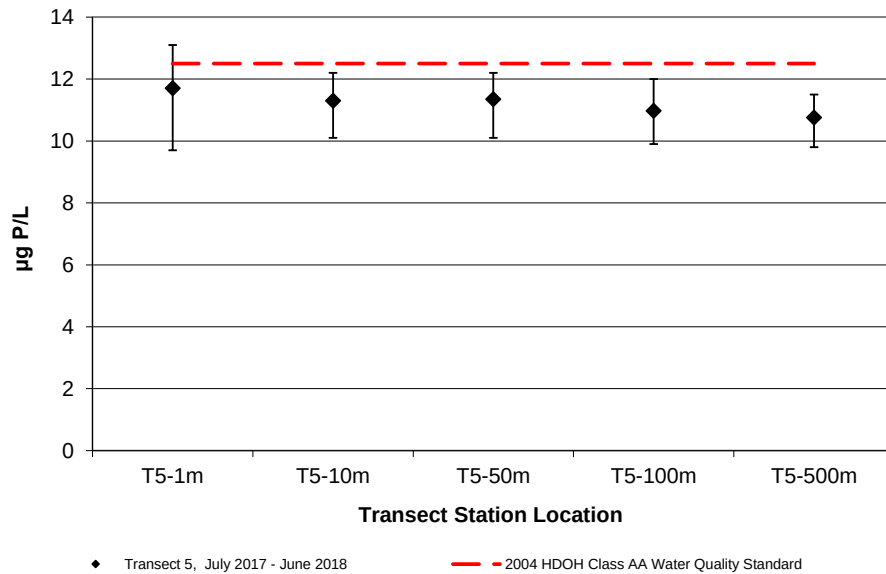
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



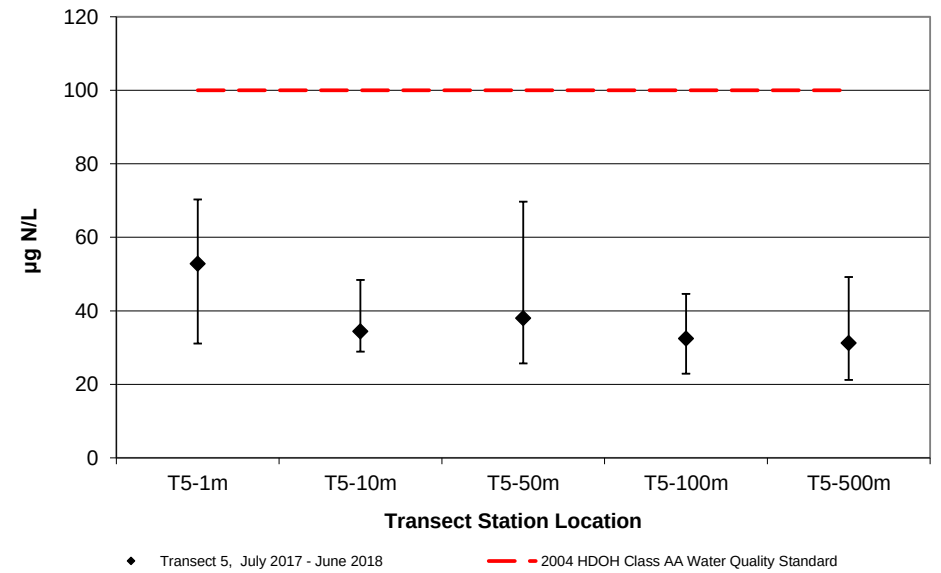
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean

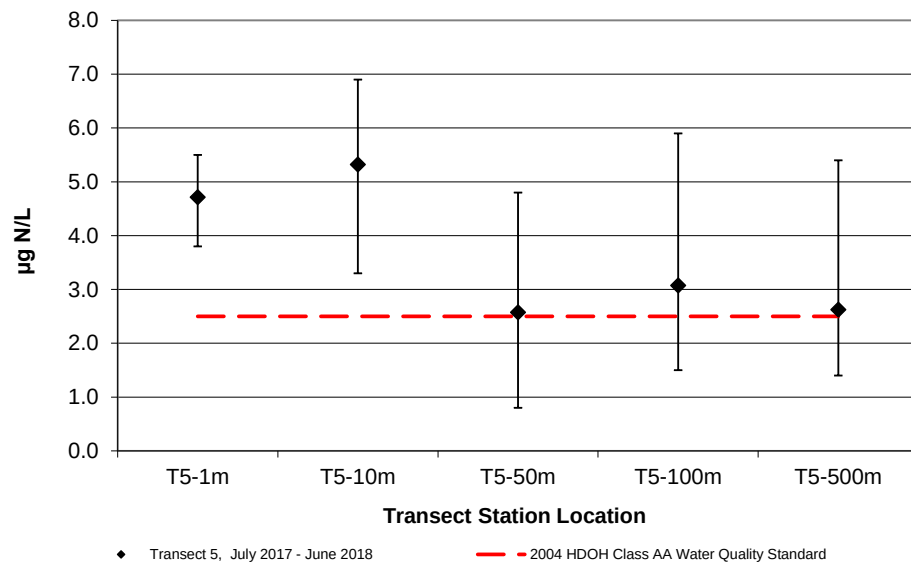


NELHA Water Quality Laboratory

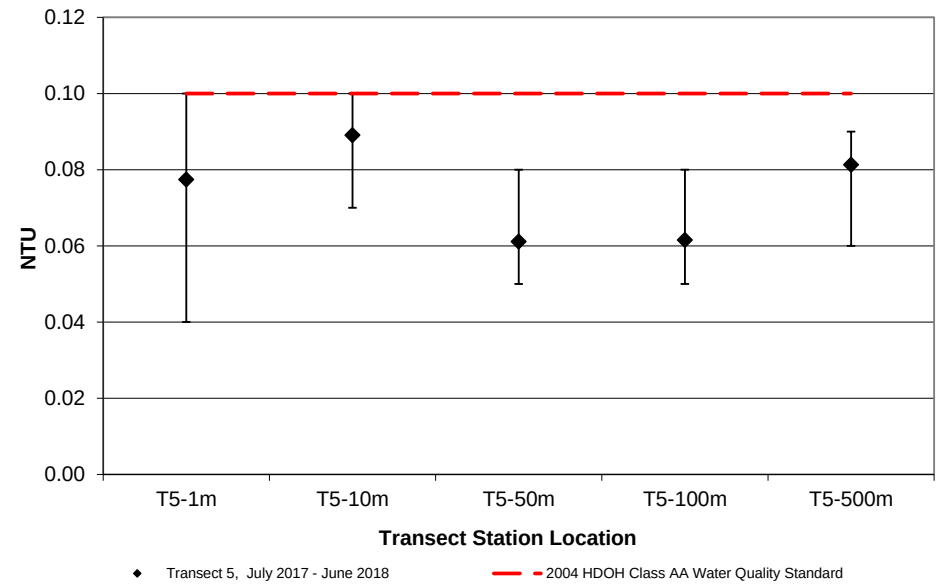
Transect 5

July 2017 - June 2018

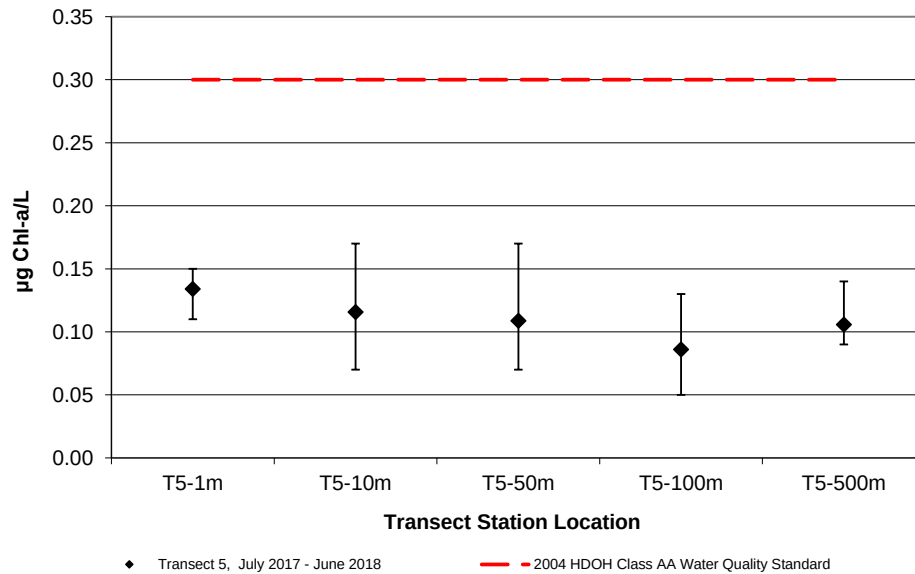
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

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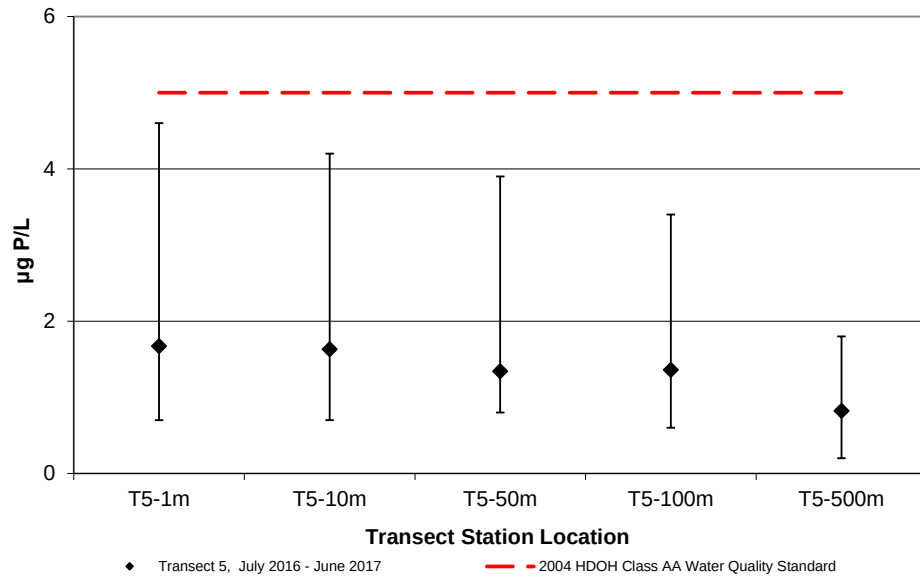
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	7/7/16	1006	0.0	Low	0.15	4.6	0.21	2.9	0.46	6.4	2.9	81	0.51	15.9	3.6	50	0.09	34.58	26.8	8.32	6.80	0.18
T5-1m	12/21/16	1016	1.5	High	0.07	2.2	0.35	4.9	0.46	6.5	1.9	52	0.34	10.5	3.5	50	0.06	34.59	25.5	8.28	6.98	0.20
T5-1m	3/1/17	1137	-0.1	Low	0.04	1.1	0.59	8.2	0.08	1.1	2.3	66	0.30	9.4	4.0	57	0.10	34.70	24.6	8.24	5.98	0.17
T5-1m	5/10/17	1104	0.2	Flood	0.02	0.7	0.36	5.1	0.09	1.2	2.2	62	0.23	7.1	3.7	52	0.08	34.75	25.8	8.23	4.33	0.10
Geomean	'16-'17				0.05	1.7	0.35	4.9	0.2	2.7			0.3	10.3	3.7	52	0.08					0.16
T5-10m	7/7/16	1011	0.0	Low	0.14	4.2	0.53	7.4	0.50	7.0	2.6	74	0.45	13.8	4.9	69	0.09	34.60	26.8	8.32	6.74	0.19
T5-10m	12/21/16	1022	1.5	High	0.06	2.0	0.30	4.2	0.49	6.9	1.9	53	0.33	10.2	2.7	38	0.05	34.62	25.5	8.29	5.98	0.18
T5-10m	3/1/17	1132	-0.1	Low	0.02	0.7	0.41	5.7	0.28	3.9	1.4	40	0.30	9.4	3.5	49	0.07	34.74	24.6	8.24	5.84	0.14
T5-10m	5/10/17	1108	0.2	Flood	0.04	1.2	0.36	5.1	0.13	1.8	2.0	57	0.24	7.3	2.2	31	0.12	34.79	25.8	8.24	4.31	0.13
Geomean	'16-'17				0.05	1.6	0.39	5.5	0.31	4.3			0.32	9.9	3.2	44	0.08					0.16
T5-50m	7/7/16	1016	0.0	Low	0.13	3.9	0.66	9.2	0.32	4.5	2.1	58	0.43	13.3	3.7	53	0.11	34.62	26.9	8.31	6.65	0.21
T5-50m	12/21/16	1029	1.5	High	0.04	1.3	0.17	2.4	0.54	7.5	1.7	49	0.34	10.4	4.1	58	0.05	34.64	25.5	8.28	5.77	0.14
T5-50m	3/1/17	1127	-0.1	Low	0.03	0.8	0.31	4.4	0.17	2.4	1.2	33	0.29	9.1	4.6	64	0.09	34.74	24.6	8.24	5.75	0.14
T5-50m	5/10/17	1113	0.2	Flood	0.03	0.8	0.34	4.8	0.28	3.9	2.1	59	0.23	7.0	3.2	44	0.08	34.80	25.8	8.24	4.30	0.07
Geomean	'16-'17				0.04	1.3	0.33	4.6	0.30	4.2			0.31	9.7	3.9	54	0.08					0.13
T5-100m	7/7/16	1021	0.0	Low	0.11	3.4	0.64	9.0	0.36	5.0	2.7	75	0.42	13.0	4.5	63	0.09	34.60	27.0	8.31	6.62	0.19
T5-100m	12/21/16	1035	1.5	High	0.04	1.2	0.16	2.2	0.38	5.3	1.6	45	0.34	10.4	5.4	75	0.03	34.64	25.5	8.27	5.87	0.17
T5-100m	3/1/17	1122	-0.1	Low	0.02	0.6	0.31	4.4	0.17	2.4	1.4	41	0.30	9.4	5.2	73	0.10	34.73	24.6	8.24	5.78	0.18
T5-100m	5/10/17	1118	0.2	Flood	0.05	1.4	0.19	2.6	0.46	6.4	1.4	38	0.24	7.4	3.0	42	0.08	34.83	25.8	8.22	4.12	0.10
Geomean	'16-'17				0.04	1.4	0.28	3.9	0.32	4.5			0.32	9.8	4.4	62	0.07					0.16
T5-500m	7/7/16	1029	0.0	Low	0.06	1.8	1.17	16.4	0.23	3.2	0.1	3	0.38	11.8	1.72	24	0.07	34.73	27.1	8.33	6.60	0.21
T5-500m	12/21/16	1044	1.5	High	0.02	0.7	0.08	1.1	0.04	0.5	1.2	33	0.34	10.5	3.73	52	0.03	34.72	25.6	8.28	5.88	0.12
T5-500m	3/1/17	1111	-0.1	Low	0.01	0.2	0.04	0.5	0.11	1.5	0.1	4	0.28	8.7	2.58	36	0.08	34.79	24.6	8.25	5.83	0.18
T5-500m	5/10/17	1126	0.2	Flood	0.06	1.8	0.04	0.5	0.29	4.1	0.4	12	0.21	6.4	2.94	41	0.05	34.88	25.8	8.23	4.08	0.12
Geomean	'16-'17				0.03	0.8	0.10	1.5	0.13	1.8			0.29	9.1	2.6	37	0.05					0.15

NELHA Water Quality Laboratory

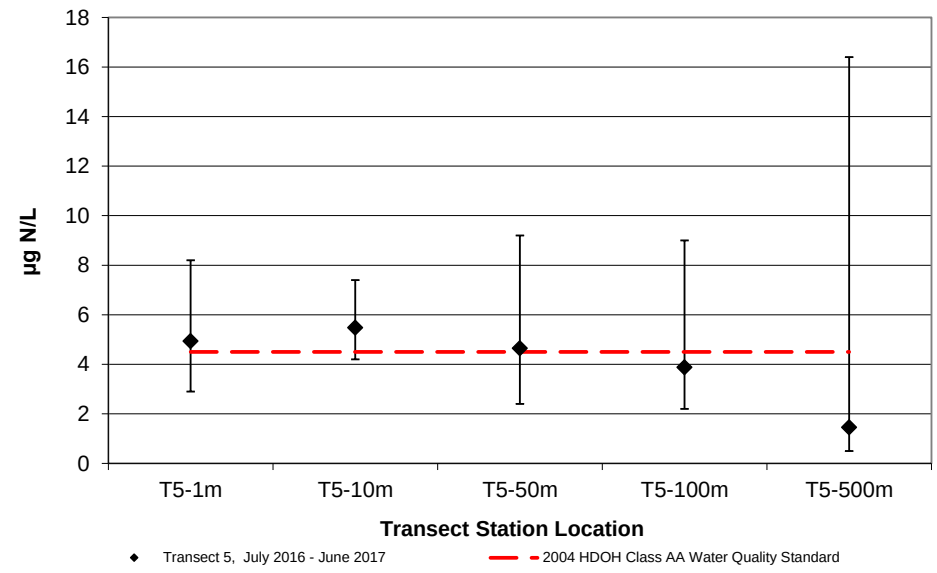
Transect 5

July 2016 - June 2017

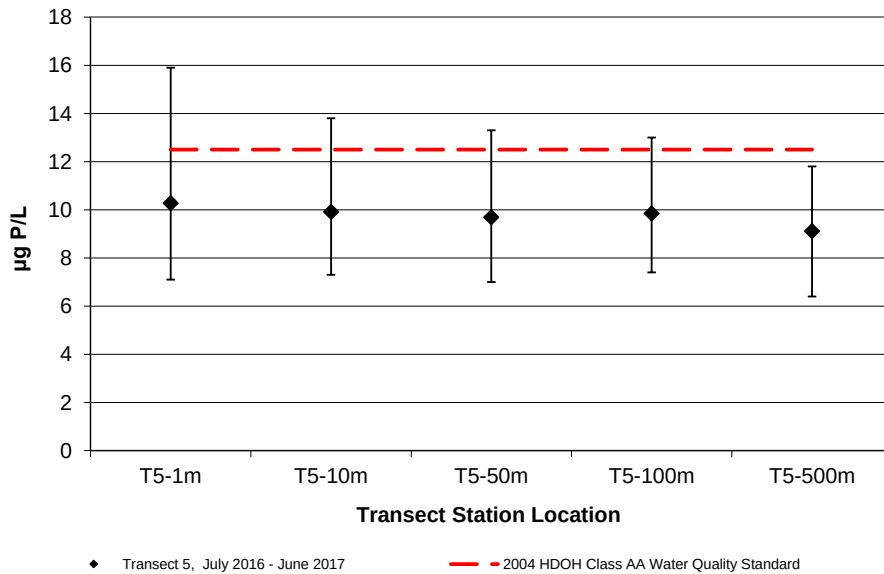
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



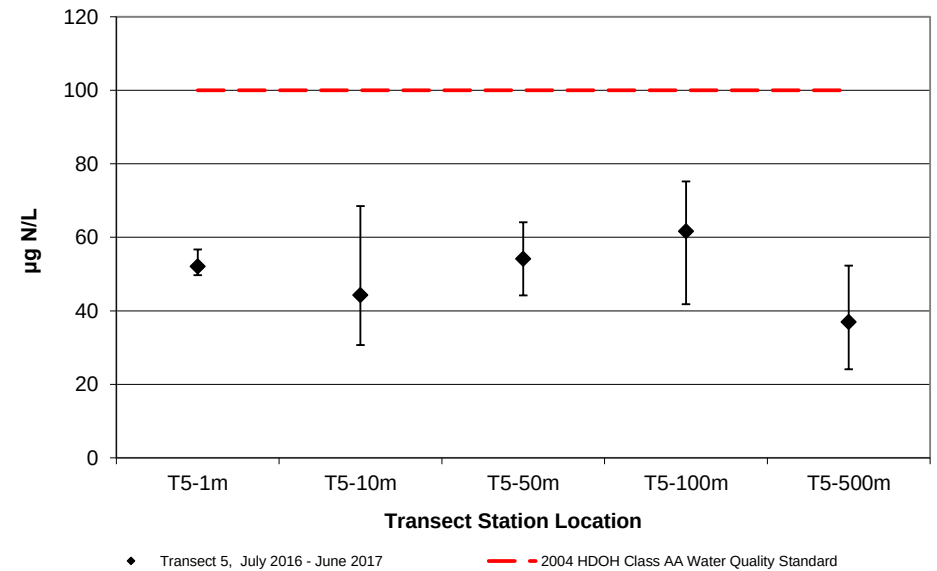
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean

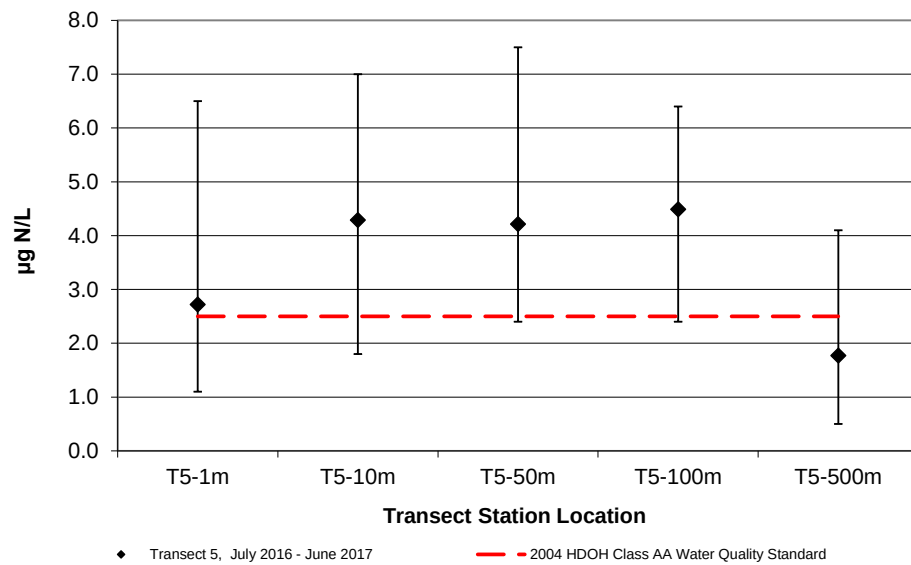


NELHA Water Quality Laboratory

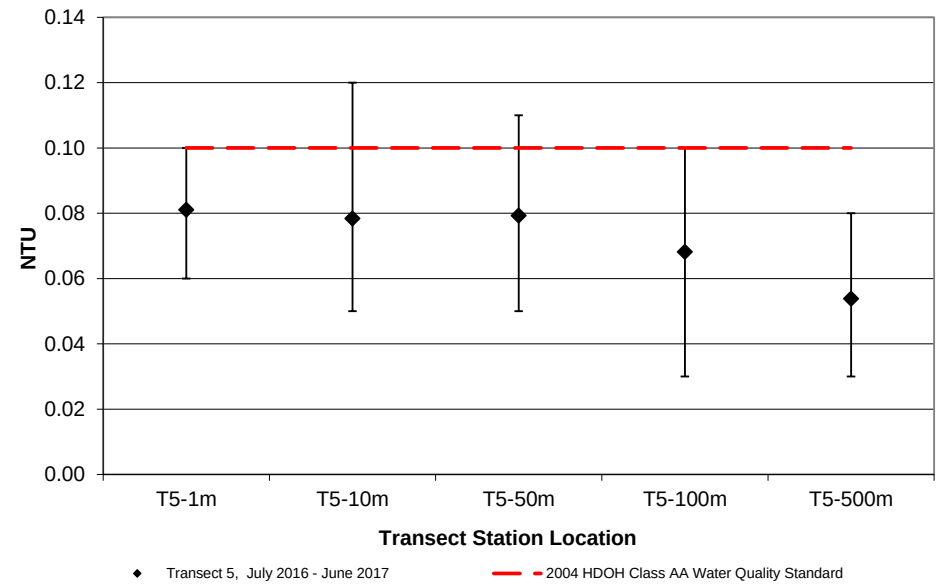
Transect 5

July 2016 - June 2017

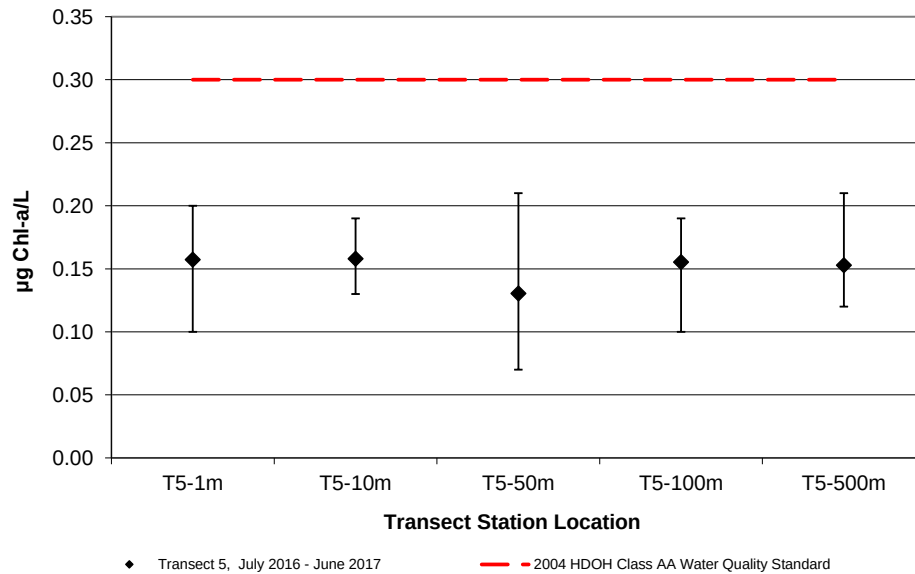
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2015 - June 2016

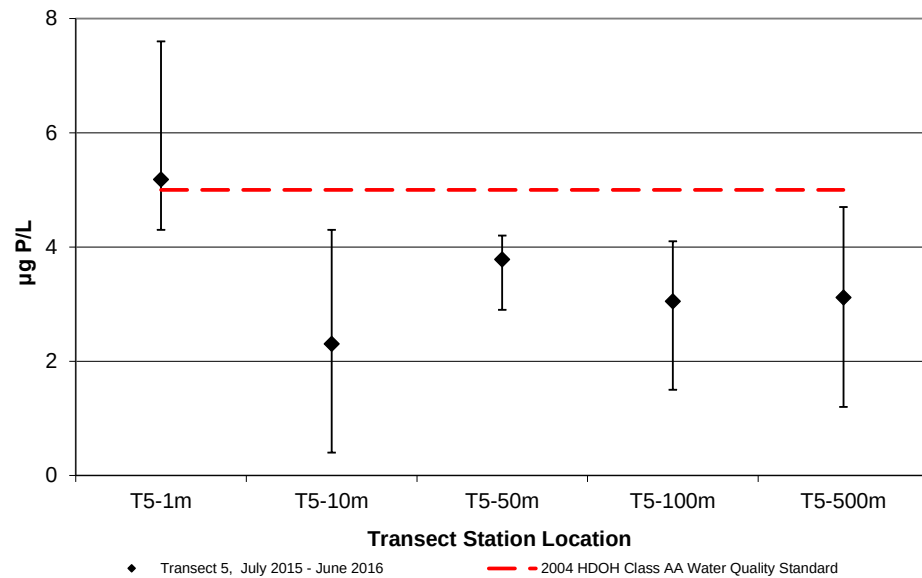
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	8/27/15	958	0.6	Flood	0.15	4.8	0.39	5.4	0.25	3.5	3.2	90	0.39	12.0	4.7	66	0.03	34.46	28.5	8.26	6.25	0.27
T5-1m	11/18/15	1022	1.9	High	0.14	4.3	0.59	8.3	0.54	7.5	3.5	98	0.50	15.4	4.9	68	0.07	34.62	27.4	8.28	6.96	0.13
T5-1m	3/2/16	909	0.9	High	0.15	4.6	0.29	4.0	0.39	5.5	0.1	4	0.47	14.5	4.9	69	0.09	34.73	25.2	8.23	5.74	0.08
T5-1m	5/4/16	1003	0.5	Flood	0.25	7.6	0.31	4.4	0.17	2.4	2.2	61	0.46	14.2	8.0	113	0.08	34.60	25.9	8.21	6.27	0.09
Geomean	'15-'16				0.17	5.2	0.38	5.3	0.3	4.3			0.5	14.0	5.5	77	0.06					0.13
T5-10m	8/27/15	1003	0.6	Flood	0.14	4.3	0.02	0.3	0.19	2.7	2.9	80	0.33	10.2	4.6	64	0.02	34.63	28.6	8.27	5.97	0.23
T5-10m	11/18/15	1028	1.9	High	0.13	3.9	0.44	6.1	0.27	3.8	4.1	117	0.48	14.8	3.3	46	0.04	34.65	27.4	8.28	6.69	0.13
T5-10m	3/2/16	913	0.9	High	0.14	4.2	0.21	3.0	0.24	3.3	0.2	6	0.51	15.9	5.2	72	0.07	34.74	25.3	8.23	5.75	0.07
T5-10m	5/4/16	1008	0.5	Flood	0.01	0.4	0.19	2.7	0.21	2.9	1.8	49	0.46	14.3	6.8	96	0.08	34.65	25.9	8.20	6.16	0.17
Geomean	'15-'16				0.07	2.3	0.14	2.0	0.22	3.1			0.44	13.6	4.8	67	0.05					0.14
T5-50m	8/27/15	1007	0.6	Flood	0.13	4.0	0.02	0.3	0.17	2.4	1.4	40	0.34	10.4	4.7	66	0.02	34.65	28.7	8.27	6.01	0.16
T5-50m	11/18/15	1033	1.9	High	0.14	4.2	0.47	6.6	0.09	1.2	4.0	113	0.49	15.2	5.9	82	0.06	34.65	27.3	8.24	6.62	0.13
T5-50m	3/2/16	918	0.9	High	0.14	4.2	0.29	4.0	0.56	7.9	0.3	10	0.46	14.4	4.8	67	0.07	34.72	25.2	8.23	5.76	0.07
T5-50m	5/4/16	1013	0.5	Flood	0.09	2.9	0.04	0.6	0.11	1.5	0.4	12	0.40	12.4	3.4	48	0.07	34.70	25.9	8.19	6.16	0.19
Geomean	'15-'16				0.12	3.8	0.11	1.5	0.17	2.4			0.42	13.0	4.6	65	0.05					0.13
T5-100m	8/27/15	1012	0.6	Flood	0.13	4.1	0.01	0.1	0.21	3.0	1.3	36	0.35	10.9	4.4	61	0.02	34.66	28.6	8.27	5.94	0.17
T5-100m	11/18/15	1039	1.9	High	0.13	3.9	0.36	5.0	0.23	3.2	3.7	103	0.48	15.0	4.9	68	0.07	34.65	27.4	8.27	6.69	0.10
T5-100m	3/2/16	923	0.9	High	0.12	3.6	0.20	2.8	0.44	6.2	0.2	6	0.43	13.2	3.7	52	0.07	34.68	25.3	8.24	5.81	0.07
T5-100m	5/4/16	1019	0.5	Flood	0.05	1.5	0.02	0.3	0.14	2.0	0.0	0	0.47	14.7	7.0	98	0.08	34.71	25.9	8.18	6.16	0.18
Geomean	'15-'16				0.10	3.0	0.06	0.8	0.24	3.3			0.43	13.3	4.9	68	0.05					0.12
T5-500m	8/27/15	1019	0.6	Flood	0.15	4.7	0.01	0.2	0.27	3.8	1.3	37	0.19	6.0	4.68	66	0.02	34.72	28.7	8.27	5.91	0.12
T5-500m	11/18/15	1050	1.9	High	0.14	4.4	0.37	5.2	0.21	3.0	3.3	93	0.52	16.1	5.27	74	0.05	34.56	27.4	8.28	6.89	0.11
T5-500m	3/2/16	930	0.9	High	0.12	3.8	0.17	2.4	0.36	5.0	0.5	15	0.47	14.7	5.58	78	0.05	34.65	25.3	8.25	5.80	0.09
T5-500m	5/4/16	1025	0.5	Flood	0.04	1.2	0.04	0.6	0.08	1.1	0.1	3	0.41	12.6	4.91	69	0.07	34.70	26.1	8.18	6.12	0.17
Geomean	'15-'16				0.10	3.1	0.08	1.1	0.20	2.8			0.37	11.6	5.1	71	0.04					0.12

NELHA Water Quality Laboratory

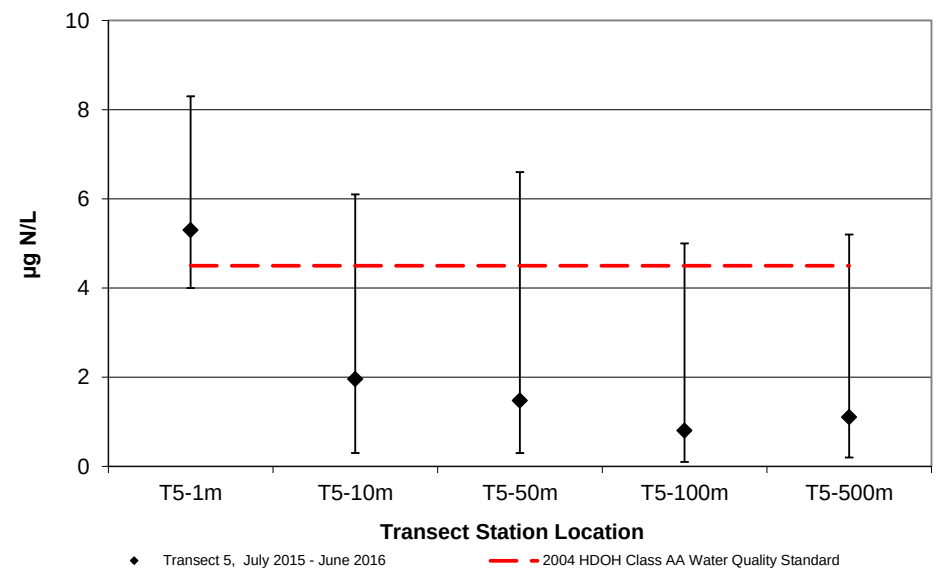
Transect 5

July 2015 - June 2016

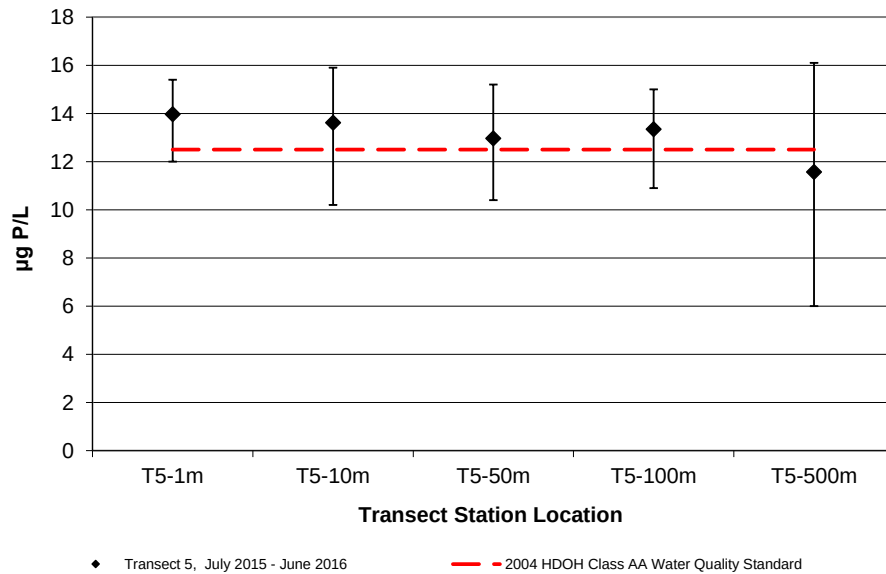
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



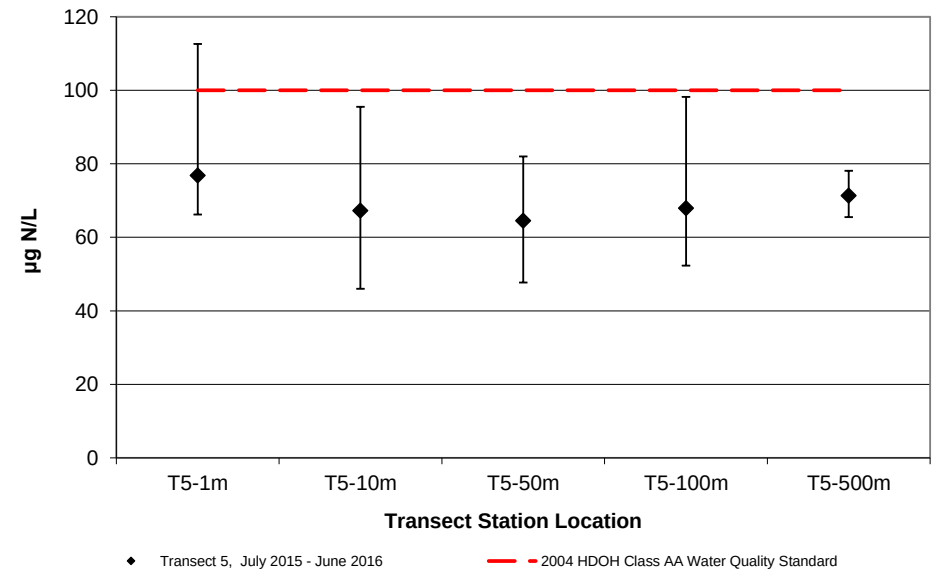
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean

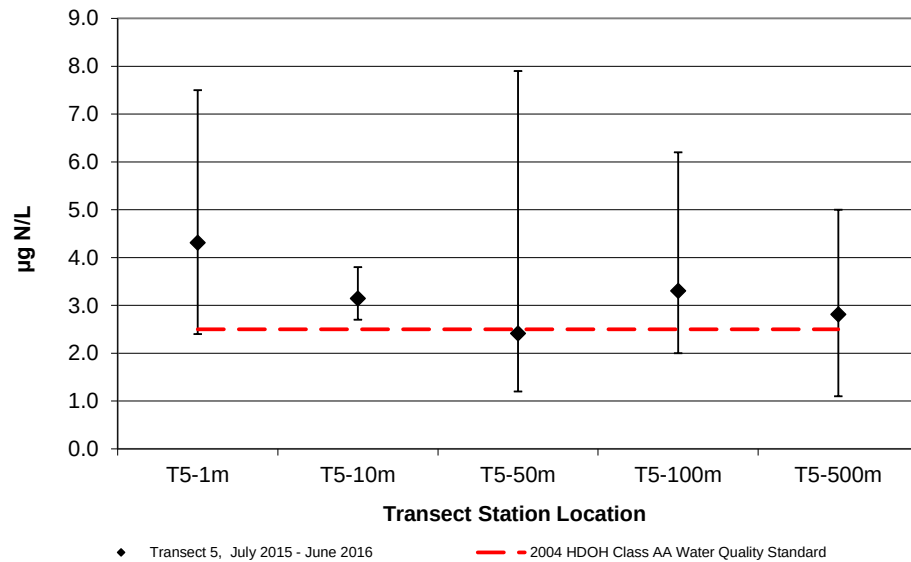


NELHA Water Quality Laboratory

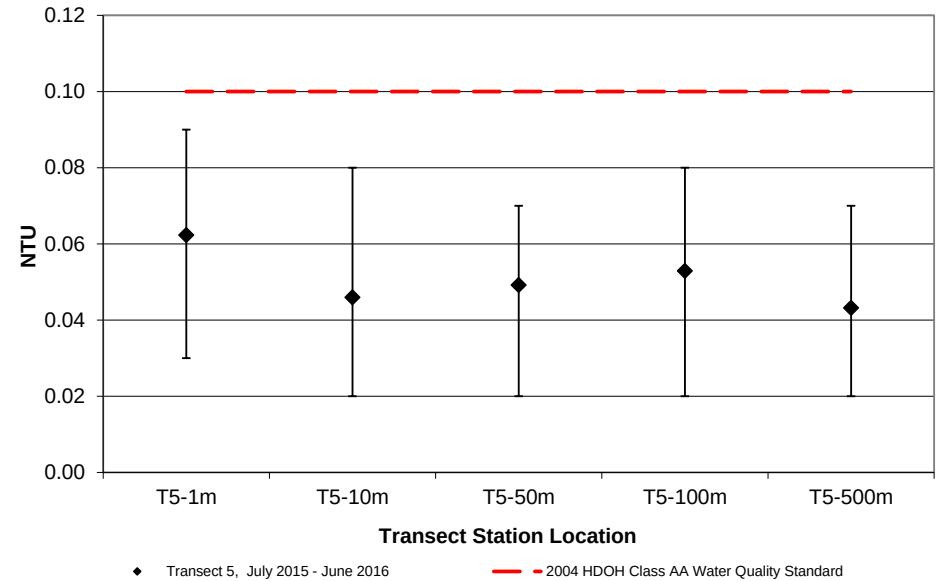
Transect 5

July 2015 - June 2016

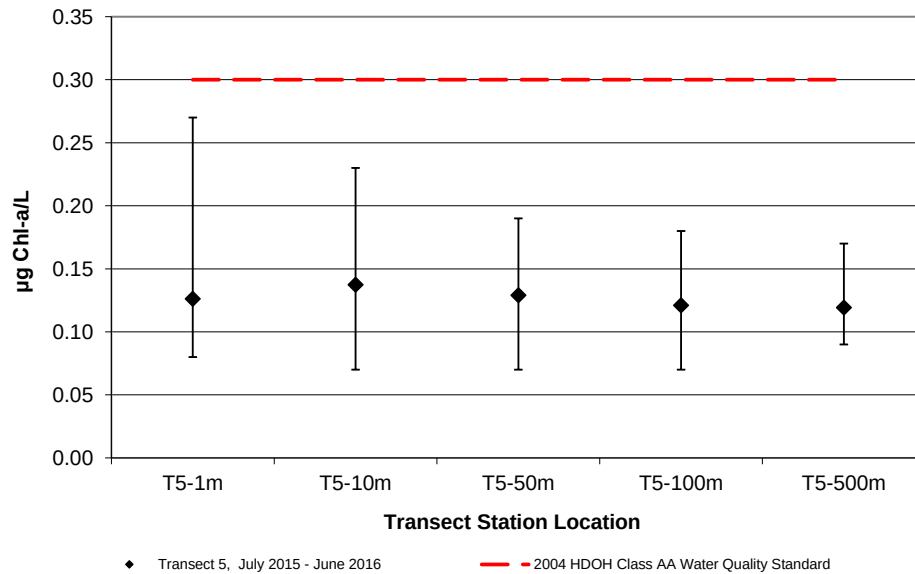
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2014 - June 2015

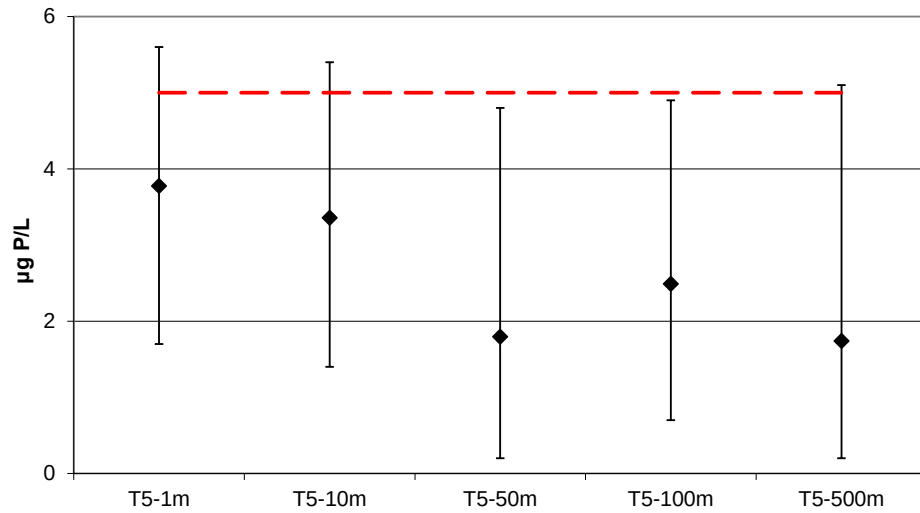
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	8/6/14	948	1.1	Flood	0.17	5.2	0.12	1.7	0.41	5.8	0.9	26	0.54	16.7	7.1	99	0.10	34.95	26.7	8.23	6.31	0.10
T5-1m	12/4/14	1018	0.3	Low	0.13	4.1	0.42	5.9	0.55	7.7	2.3	65	0.41	12.6	6.8	95	0.07	35.17	26.3	8.24	6.43	0.11
T5-1m	3/5/15	1012	-0.1	Low	0.05	1.7	0.98	13.7	0.27	3.8	4.5	125	0.39	12.1	7.0	97	0.10	34.69	25.3	8.27	7.00	0.14
T5-1m	6/18/15	950	0.2	Flood	0.18	5.6	0.69	9.7	0.35	4.9	5.9	166	0.47	14.7	8.5	119	0.08	34.31	26.6	8.15	6.70	0.08
Geomean	'14-'15				0.12	3.8	0.43	6.0	0.4	5.4			0.4	13.9	7.3	102	0.09					0.11
T5-10m	8/6/14	951	1.1	Flood	0.17	5.4	0.12	1.7	0.34	4.8	0.9	24	0.52	16	7.1	99	0.11	34.95	26.7	8.24	6.23	0.12
T5-10m	12/4/14	1023	0.3	Low	0.14	4.2	0.78	10.9	0.61	8.5	3.8	106	0.06	2	7.4	103	0.11	35.17	26.4	8.25	6.55	0.11
T5-10m	3/5/15	1019	-0.1	Low	0.05	1.4	0.46	6.5	0.21	2.9	2.4	66	0.31	9.5	7.1	99	0.10	34.72	25.4	8.27	6.87	0.10
T5-10m	6/18/15	956	0.2	Flood	0.13	4.0	0.21	2.9	0.40	5.6	4.1	115	0.42	13.1	7.5	105	0.08	34.40	26.6	8.15	6.67	0.09
Geomean	'14-'15				0.11	3.4	0.31	4.3	0.36	5.1			0.26	7.9	7.2	101	0.10					0.10
T5-50m	8/6/14	956	1.1	Flood	0.15	4.8	0.04	0.6	0.34	4.7	0.7	19	0.53	16.3	6.6	93	0.05	34.98	26.8	8.24	6.11	0.11
T5-50m	12/4/14	1027	0.3	Low	0.12	3.6	0.08	1.1	0.45	6.3	0.5	14	0.42	13.1	6.4	90	0.19	35.25	26.4	8.25	6.25	0.17
T5-50m	3/5/15	1025	-0.1	Low	0.01	0.2	0.04	0.6	0.12	1.7	0.1	3	0.31	9.7	5.3	74	0.09	34.77	25.3	8.28	6.70	0.11
T5-50m	6/18/15	1001	0.2	Flood	0.10	3.0	0.14	1.9	0.36	5.1	3.0	84	0.37	11.4	6.4	90	0.06	34.42	26.6	8.15	6.59	0.10
Geomean	'14-'15				0.06	1.8	0.07	0.9	0.29	4.0			0.40	12.4	6.2	86	0.08					0.12
T5-100m	8/6/14	1000	1.1	Flood	0.16	4.9	0.01	0.2	0.35	4.9	0.6	17	0.48	15.0	6.2	88	0.08	34.96	26.9	8.23	6.07	0.06
T5-100m	12/4/14	1034	0.3	Low	0.10	3.2	0.04	0.6	0.51	7.1	0.4	13	0.46	14.1	6.3	88	0.05	35.25	26.4	8.26	6.25	0.19
T5-100m	3/5/15	1035	-0.1	Low	0.02	0.7	0.09	1.3	0.15	2.1	0.6	16	0.32	9.8	6.4	89	0.10	34.75	25.3	8.30	6.82	0.12
T5-100m	6/18/15	1006	0.2	Flood	0.11	3.5	0.64	9.0	0.46	6.5	4.3	121	0.31	9.5	5.8	81	0.04	34.37	26.7	8.18	6.52	0.19
Geomean	'14-'15				0.08	2.5	0.08	1.1	0.33	4.7			0.38	11.8	6.2	86	0.06					0.13
T5-500m	8/6/14	1007	1.1	Flood	0.16	5.1	0.01	0.1	0.25	3.5	0.6	17	0.50	15.4	5.15	72	0.06	34.98	27.2	8.23	6.01	0.05
T5-500m	12/4/14	1045	0.3	Low	0.10	3.2	0.03	0.4	0.41	5.7	0.2	5	0.46	14.3	7.02	98	0.09	35.24	26.5	8.25	6.37	0.16
T5-500m	3/5/15	1046	-0.1	Low	0.01	0.2	0.08	1.1	0.10	1.4	0.6	17	0.34	10.5	5.67	79	0.10	34.75	25.4	8.30	6.83	0.2
T5-500m	6/18/15	1013	0.2	Flood	0.09	2.8	0.01	0.2	0.49	6.9	0.9	25	0.18	5.6	6.21	87	0.10	34.54	26.8	8.21	6.53	0.08
Geomean	'14-'15				0.06	1.7	0.02	0.3	0.27	3.7			0.34	10.7	6.0	84	0.09					0.11

NELHA Water Quality Laboratory

Transect 5

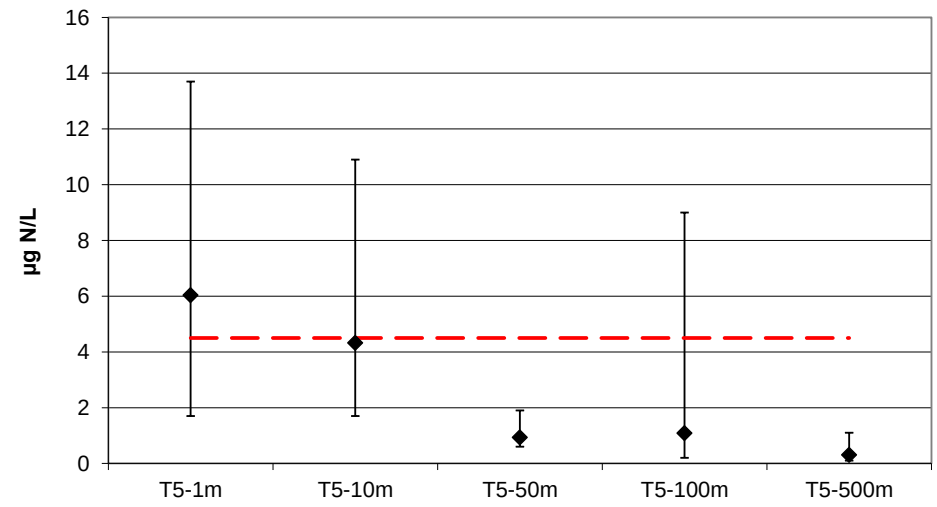
July 2014 - June 2015

Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



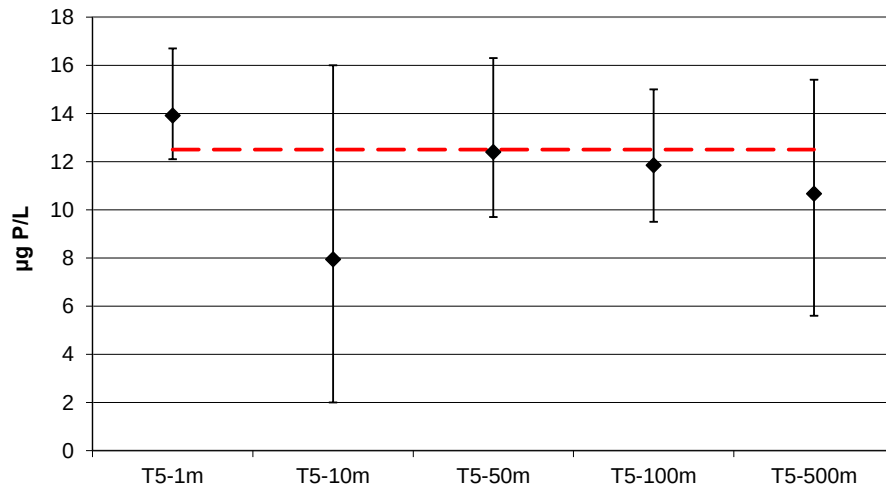
◆ Transect 5, July 2014 - June 2015 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



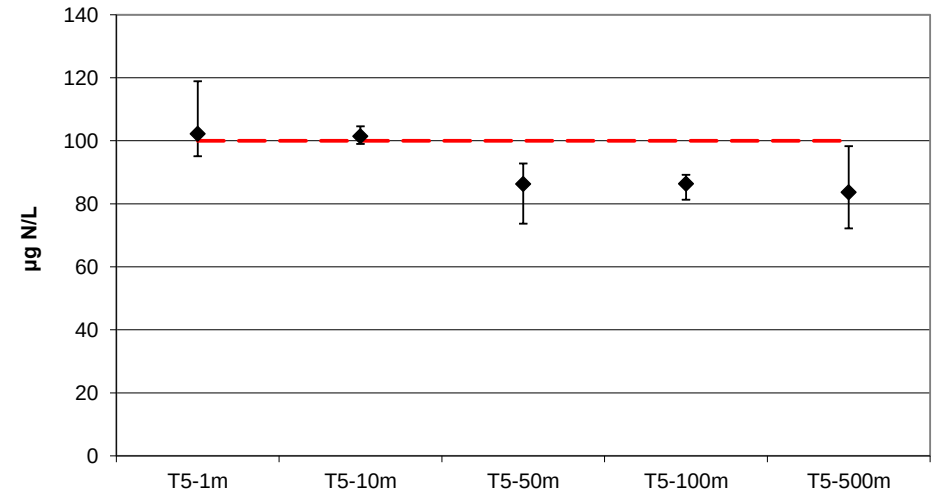
◆ Transect 5, July 2014 - June 2015 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



◆ Transect 5, July 2014 - June 2015 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean



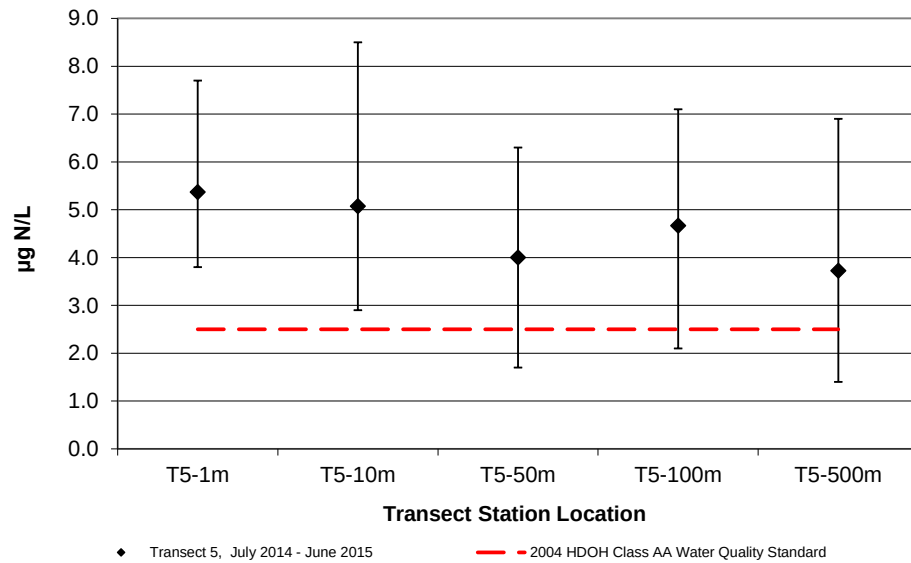
◆ Transect 5, July 2014 - June 2015 - - - 2004 HDOH Class AA Water Quality Standard

NELHA Water Quality Laboratory

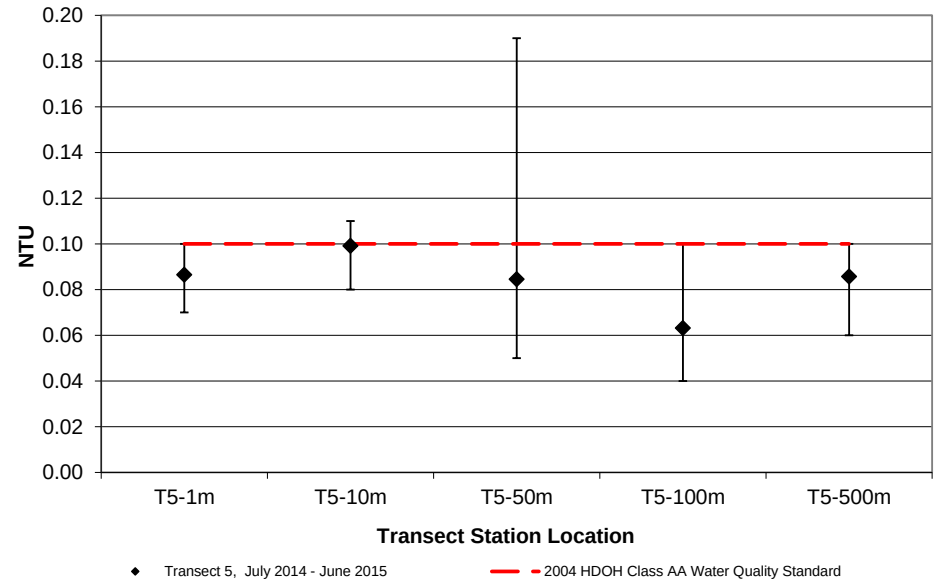
Transect 5

July 2014 - June 2015

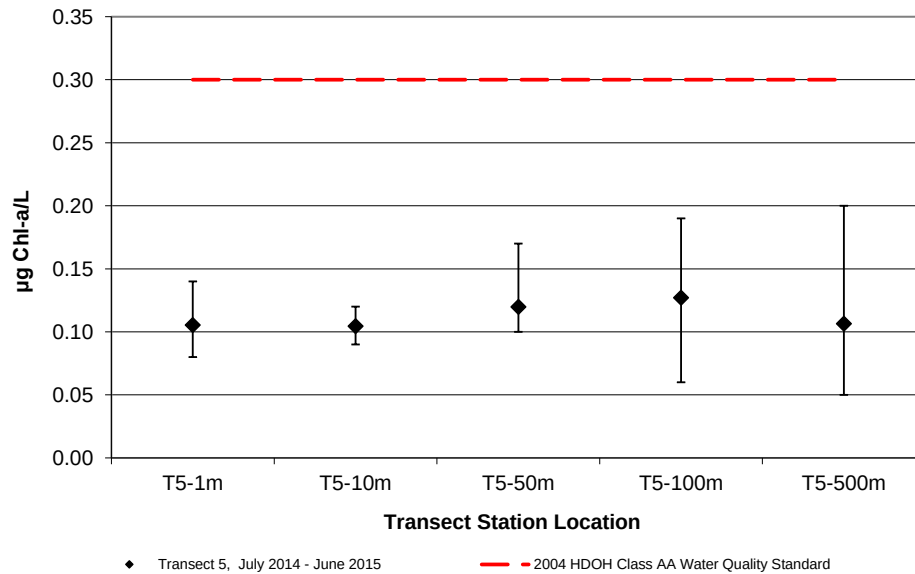
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2013 - June 2014

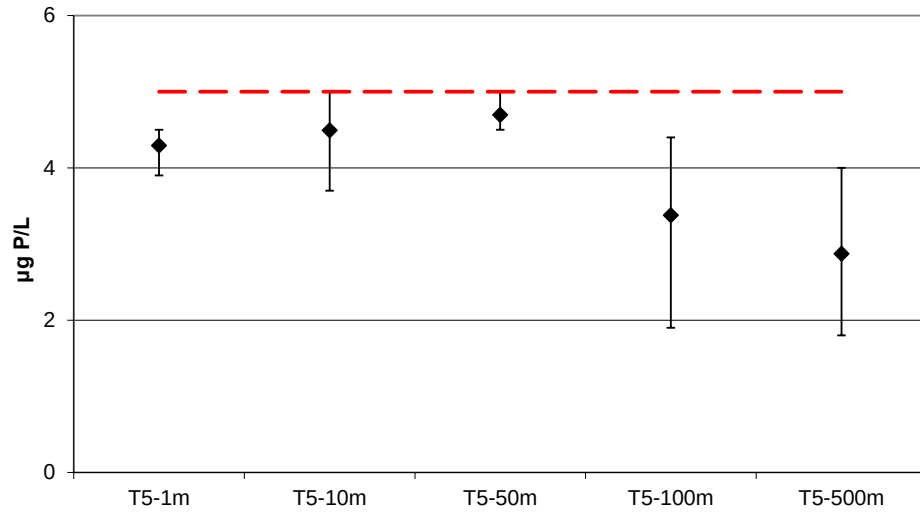
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	8/6/13	1029	0.2	Flood	0.14	4.4	2.11	29.5	0.36	5.0	14.6	409	0.67	20.7	5.9	82	0.03	34.81	26.3	8.28	7.07	0.08
T5-1m	10/30/13	935	0.8	Flood	0.14	4.4	0.34	4.8	0.19	2.7	2.5	69	0.46	14.3	4.6	64	0.02	34.89	27.0	8.22	6.10	0.11
T5-1m	2/5/14	959	0.6	Ebb	0.15	4.5	0.42	5.9	0.29	4.1	2.9	80	0.50	15.5	5.4	76	0.02	34.95	25.2	8.20	6.38	0.15
T5-1m	5/7/14	953	0.8	Flood	0.13	3.9	0.38	5.3	0.14	1.9	1.4	41	0.49	15.3	6.8	95	0.04	34.79	25.7	8.20	5.65	0.11
Geomean	'13-'14				0.14	4.3	0.58	8.2	0.2	3.2			0.5	16.3	5.6	79	0.03					0.11
T5-10m	8/6/13	1034	0.2	Flood	0.16	5.0	1.49	20.8	0.37	5.2	10.8	304	0.34	10.6	6.7	94	0.07	34.94	26.3	8.27	7.17	0.08
T5-10m	10/30/13	938	0.8	Flood	0.16	4.9	0.32	4.5	0.24	3.4	2.3	65	0.47	14.6	6.8	95	0.02	34.90	27.0	8.23	6.13	0.12
T5-10m	2/5/14	1003	0.6	Ebb	0.15	4.5	0.42	5.9	0.31	4.3	2.8	77	0.56	17.5	9.2	128	0.02	34.96	25.2	8.22	6.23	0.11
T5-10m	5/7/14	956	0.8	Flood	0.12	3.7	0.44	6.1	0.20	2.8	2.0	57	0.39	12.2	7.4	104	0.08	34.79	25.7	8.20	5.64	0.09
Geomean	'13-'14				0.15	4.5	0.54	7.6	0.27	3.8			0.44	13.5	7.5	104	0.04					0.10
T5-50m	8/6/13	1038	0.2	Flood	0.15	4.7	2.36	33.0	0.28	3.9	16.8	471	0.39	12.1	7.0	98	0.04	34.76	26.3	8.26	7.07	0.12
T5-50m	10/30/13	943	0.8	Flood	0.16	5.0	0.39	5.4	0.14	1.9	3.5	98	0.47	14.5	7.2	101	0.02	34.87	27.1	8.22	6.15	0.10
T5-50m	2/5/14	1008	0.5	Ebb	0.15	4.5	0.43	6.0	0.29	4.0	3.1	86	0.48	15.0	9.0	126	0.02	34.94	25.2	8.20	6.31	0.13
T5-50m	5/7/14	1003	0.8	Flood	0.15	4.6	1.31	18.3	0.27	3.8	7.8	219	0.43	13.2	9.6	134	0.04	34.57	25.6	8.20	5.42	0.15
Geomean	'13-'14				0.15	4.7	0.84	11.8	0.23	3.3			0.44	13.7	8.1	114	0.03					0.12
T5-100m	8/6/13	1045	0.2	Flood	0.06	1.9	0.22	3.1	0.06	0.9	2.5	71	0.35	10.9	5.6	79	0.03	35.23	26.6	8.26	6.92	0.11
T5-100m	10/30/13	947	0.8	Flood	0.13	3.9	0.10	1.4	0.12	1.7	1.2	35	0.57	17.6	6.3	88	0.02	34.94	27.1	8.22	6.05	0.06
T5-100m	2/5/14	1014	0.5	Ebb	0.14	4.4	0.44	6.1	0.34	4.8	3.6	100	0.57	17.8	6.5	91	0.02	34.94	25.2	8.20	6.23	0.13
T5-100m	5/7/14	1009	0.8	Flood	0.13	4.0	0.91	12.8	0.15	2.1	6.1	170	0.44	13.7	7.2	101	0.02	34.67	25.7	8.20	5.43	0.18
Geomean	'13-'14				0.11	3.4	0.31	4.3	0.14	2.0			0.47	14.7	6.4	89	0.02					0.11
T5-500m	8/6/13	1051	0.2	Flood	0.06	1.8	0.00	0.1	0.06	0.9	1.7	48	0.33	10.2	4.43	62	0.02	35.26	26.9	8.22	6.77	0.09
T5-500m	10/30/13	952	0.8	Flood	0.11	3.5	0.04	0.5	0.06	0.8	0.9	26	0.47	14.7	5.69	80	0.03	34.99	27.1	8.22	6.06	0.08
T5-500m	2/5/14	1022	0.5	Ebb	0.13	4.0	0.11	1.6	0.42	5.9	1.8	50	0.48	15.0	4.60	65	0.02	34.96	25.2	8.22	6.20	0.19
T5-500m	5/7/14	1016	0.8	Flood	0.09	2.7	0.12	1.7	0.10	1.4	2.3	65	0.42	12.9	5.52	77	0.04	34.79	26.0	8.20	5.51	0.25
Geomean	'13-'14				0.09	2.9	0.04	0.6	0.11	1.6			0.42	13.1	5.0	70	0.03					0.14

NELHA Water Quality Laboratory

Transect 5

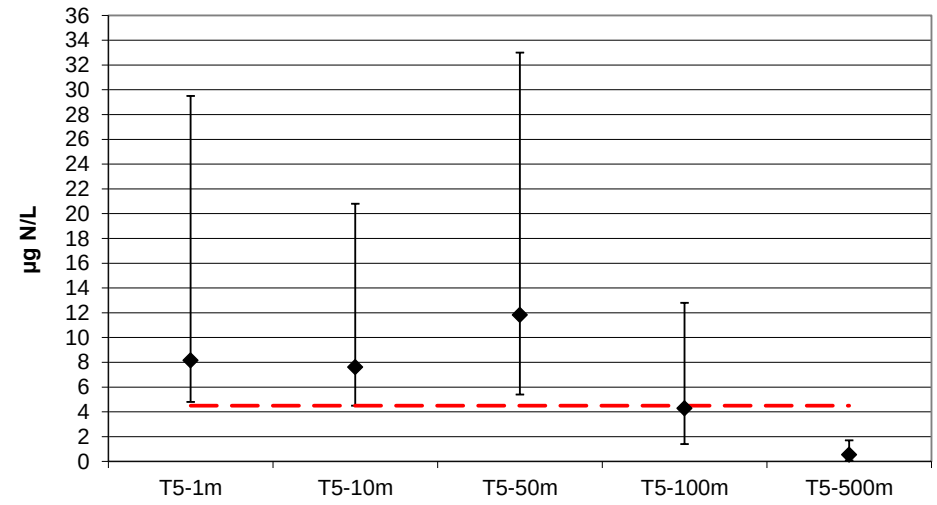
July 2013 - June 2014

Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



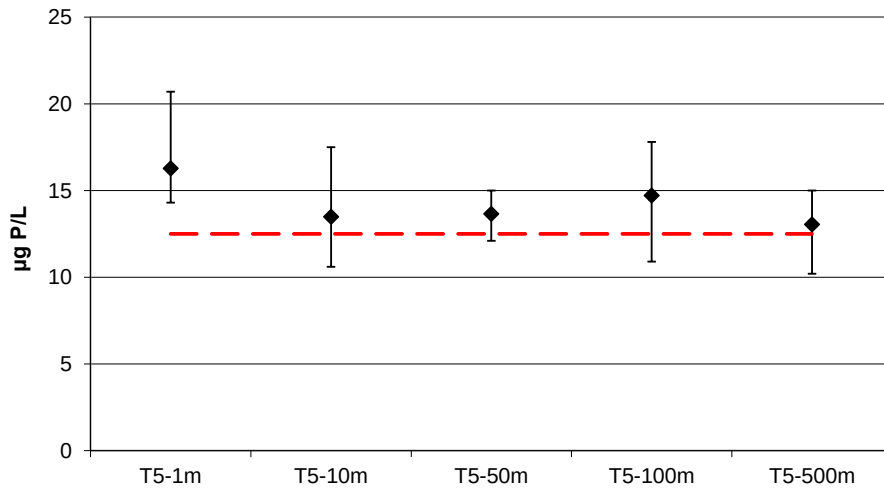
◆ Transect 5, July 2013 - June 2014 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



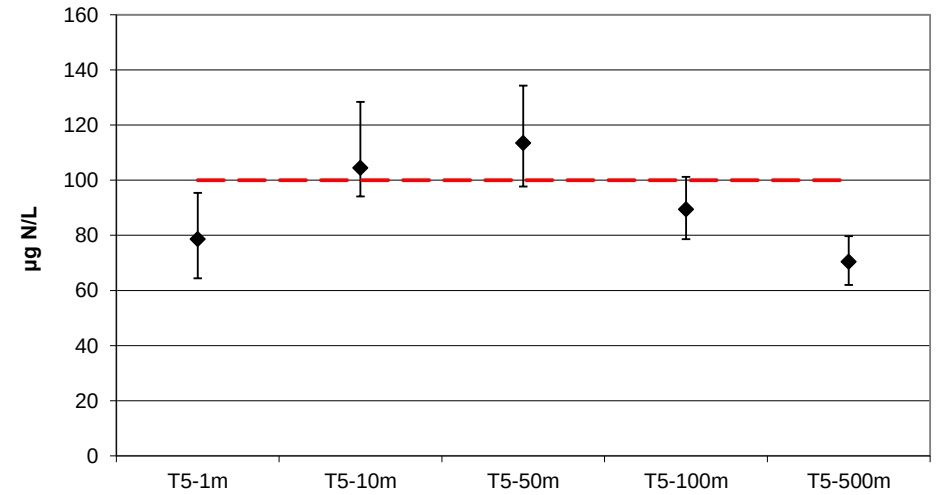
◆ Transect 5, July 2013 - June 2014 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



◆ Transect 5, July 2013 - June 2014 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean



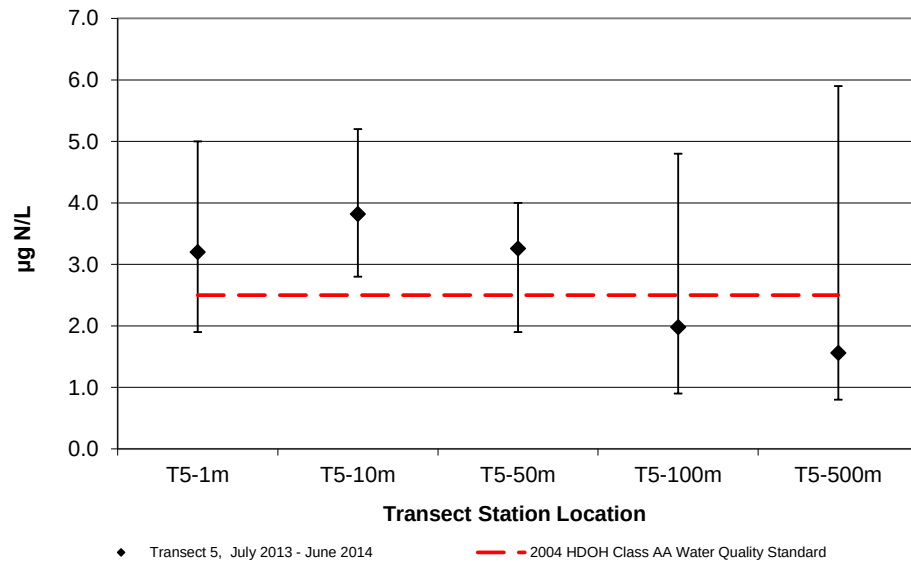
◆ Transect 5, July 2013 - June 2014 - - - 2004 HDOH Class AA Water Quality Standard

NELHA Water Quality Laboratory

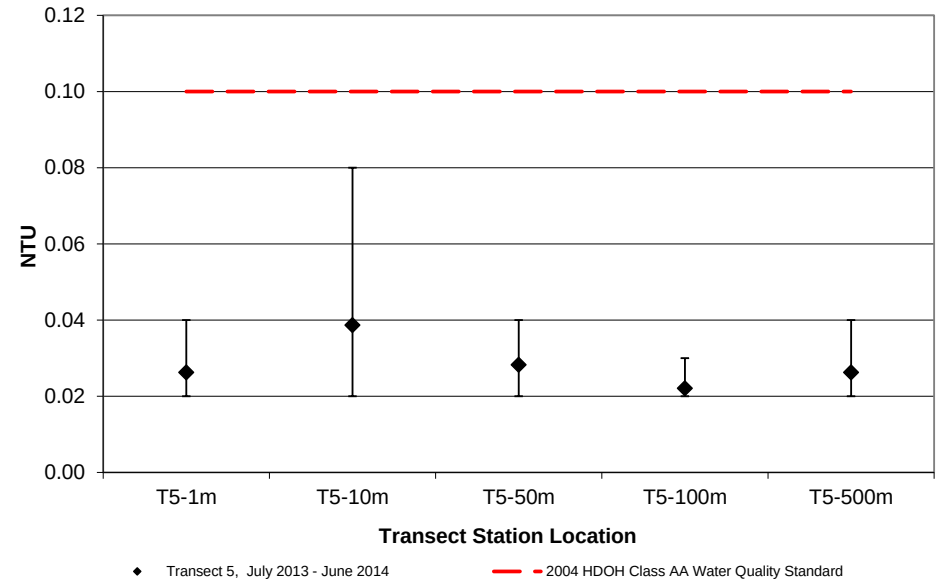
Transect 5

July 2013 - June 2014

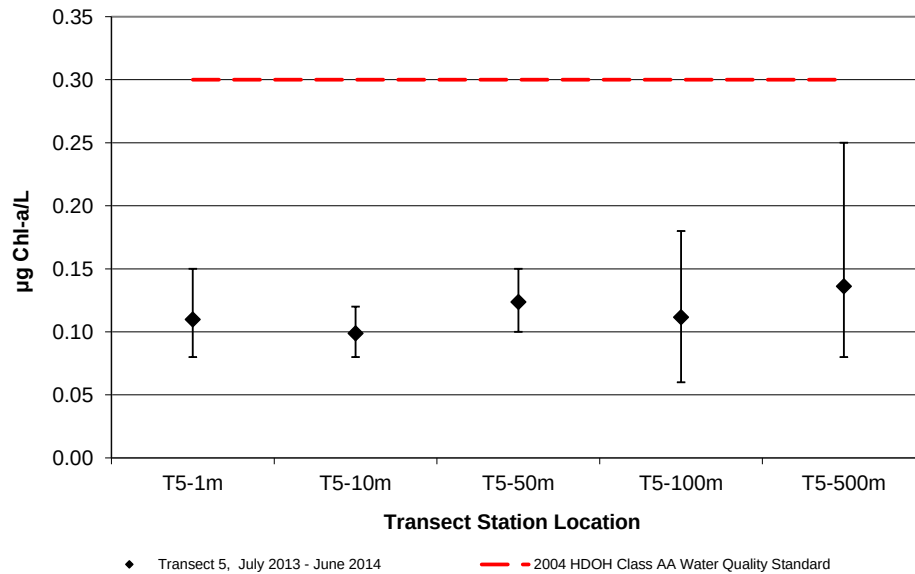
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2012 - June 2013

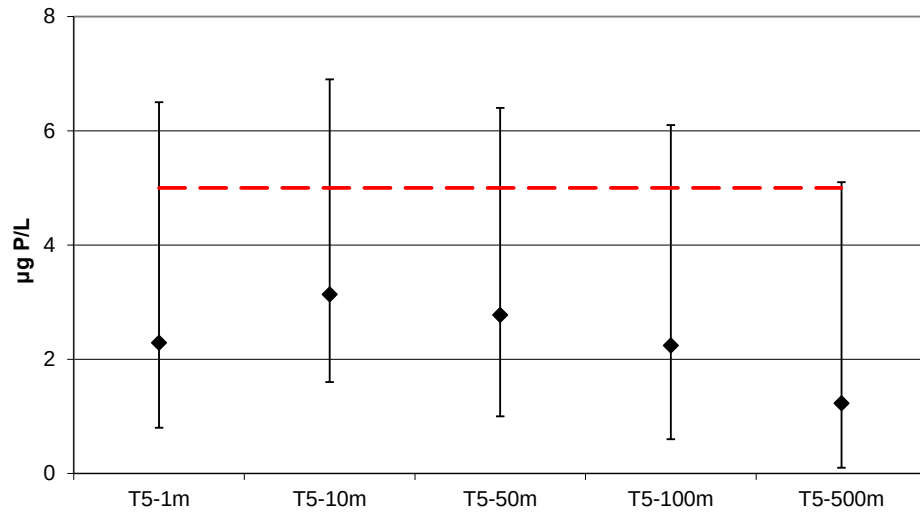
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	7/25/12	951	1.6	High	0.03	0.8	0.24	3.4	0.26	3.6	1.3	36	0.40	12.5	6.3	88	0.08	35.12	26.4	8.24	6.88	0.10
T5-1m	11/28/12	951	0.5	Ebb	0.07	2.2	0.51	7.2	0.18	2.5	3.7	103	0.68	21.1	8.6	121	0.03	35.18	25.2	8.20	6.68	0.05
T5-1m	1/24/13	939	0.2	Ebb	0.08	2.4	0.39	5.4	0.19	2.7	2.2	63	0.60	18.5	5.3	74	0.04	35.06	24.8	8.22	6.36	0.21
T5-1m	4/17/13	1053	0.5	High	0.21	6.5	0.93	13.0	0.15	2.1	5.3	149	0.62	19.3	6.3	88	0.05	35.03	25.2	8.21	6.87	0.10
Geomean	'12-'13				0.07	2.3	0.46	6.4	0.2	2.7			0.6	17.5	6.5	91	0.05					0.10
T5-10m	7/25/12	954	1.6	High	0.05	1.6	0.21	2.9	0.19	2.7	1.4	38	0.57	17.7	6.3	89	0.23	35.12	26.4	8.24	6.86	0.2
T5-10m	11/28/12	956	0.4	Ebb	0.11	3.5	0.60	8.4	0.20	2.8	4.0	112	0.56	17.3	8.7	122	0.02	35.19	25.2	8.20	6.69	0.12
T5-10m	1/24/13	943	0.2	Ebb	0.08	2.5	0.41	5.7	0.11	1.6	2.5	71	0.52	16.0	5.7	80	0.04	35.06	24.8	8.21	6.37	0.17
T5-10m	4/17/13	1058	0.5	High	0.22	6.9	0.99	13.9	0.45	6.3	5.5	153	0.59	18.3	7.3	103	0.08	35.03	25.2	8.21	6.88	0.12
Geomean	'12-'13				0.10	3.1	0.47	6.6	0.21	3.0			0.56	17.3	6.9	97	0.06					0.15
T5-50m	7/25/12	1000	1.6	High	0.03	1.0	0.21	2.9	0.21	3.0	1.5	43	0.46	14.4	5.6	79	0.04	35.10	26.4	8.24	6.81	0.04
T5-50m	11/28/12	1001	0.4	Ebb	0.11	3.3	0.41	5.7	0.22	3.1	3.3	93	0.43	13.3	6.2	87	0.03	35.19	25.3	8.20	6.77	0.08
T5-50m	1/24/13	949	0.2	Ebb	0.09	2.8	0.42	5.9	0.16	2.2	3.0	84	0.49	15.2	5.9	83	0.02	35.05	24.8	8.22	6.44	0.27
T5-50m	4/17/13	1104	0.5	High	0.21	6.4	1.09	15.3	0.34	4.7	6.1	172	0.50	15.5	6.3	88	0.02	35.01	25.1	8.20	6.57	0.10
Geomean	'12-'13				0.09	2.8	0.44	6.2	0.22	3.1			0.47	14.6	6.0	84	0.03					0.10
T5-100m	7/25/12	1005	1.6	High	0.02	0.6	0.09	1.2	0.12	1.7	2.0	56	0.48	14.9	6.0	84	0.12	35.02	26.4	8.24	6.83	0.14
T5-100m	11/28/12	1006	0.4	Ebb	0.07	2.3	0.03	0.4	0.16	2.3	1.4	39	0.37	11.6	5.1	71	0.05	35.29	25.4	8.21	6.78	0.19
T5-100m	1/24/13	954	0.2	Ebb	0.10	3.0	0.51	7.2	0.04	0.6	4.1	116	0.47	14.5	5.1	72	0.03	35.00	24.8	8.20	6.25	0.16
T5-100m	4/17/13	1108	0.5	High	0.20	6.1	0.86	12.0	0.27	3.8	4.9	137	0.57	17.6	6.2	87	0.02	35.04	25.2	8.20	6.43	0.05
Geomean	'12-'13				0.07	2.2	0.18	2.5	0.12	1.7			0.47	14.5	5.6	78	0.04					0.12
T5-500m	7/25/12	1014	1.6	High	0.00	0.1	0.01	0.1	0.16	2.2	1.5	43	0.37	11.5	3.97	56	0.09	35.01	26.5	8.24	6.84	0.25
T5-500m	11/28/12	1012	0.4	Ebb	0.08	2.5	0.03	0.4	0.11	1.6	1.2	32	0.43	13.2	4.50	63	0.04	35.28	25.5	8.21	6.62	0.08
T5-500m	1/24/13	1002	0.2	Ebb	0.06	1.8	0.01	0.1	0.02	0.3	1.2	34	0.40	12.5	4.33	61	0.04	35.11	24.8	8.23	6.30	0.09
T5-500m	4/17/13	1117	0.5	High	0.16	5.1	0.12	1.7	0.21	3.0	0.9	24	0.55	17.0	4.13	58	0.05	35.14	25.3	8.21	6.50	0.04
Geomean	'12-'13				0.04	1.2	0.02	0.3	0.10	1.3			0.43	13.4	4.2	59	0.05					0.09

NELHA Water Quality Laboratory

Transect 5

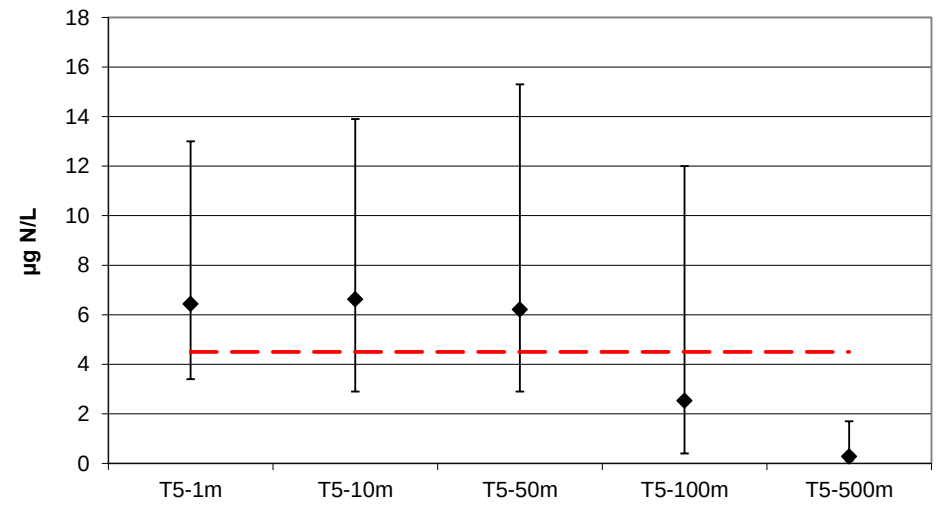
July 2012 - June 2013

Transect 5 Station Summary
Ortho-Phosphate Geometric Mean



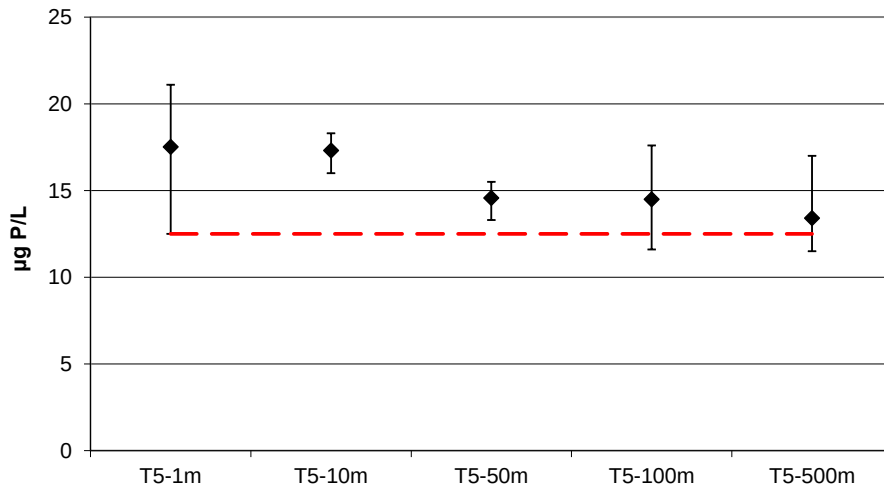
◆ Transect 5, July 2012 - June 2013 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean



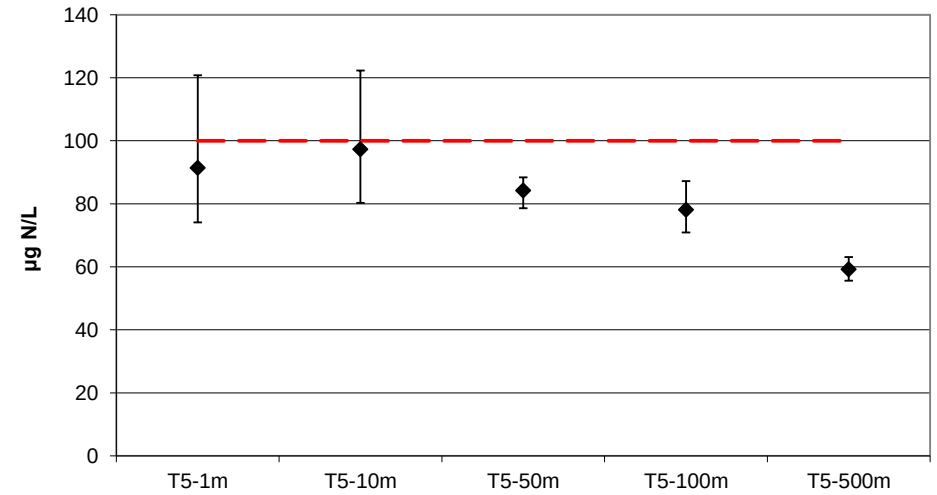
◆ Transect 5, July 2012 - June 2013 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean



◆ Transect 5, July 2012 - June 2013 - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean



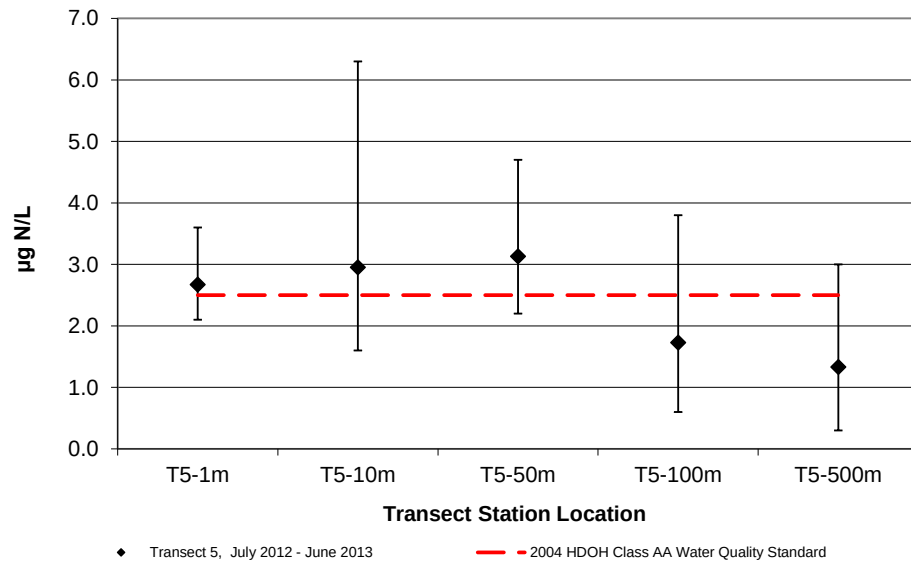
◆ Transect 5, July 2012 - June 2013 - - - 2004 HDOH Class AA Water Quality Standard

NELHA Water Quality Laboratory

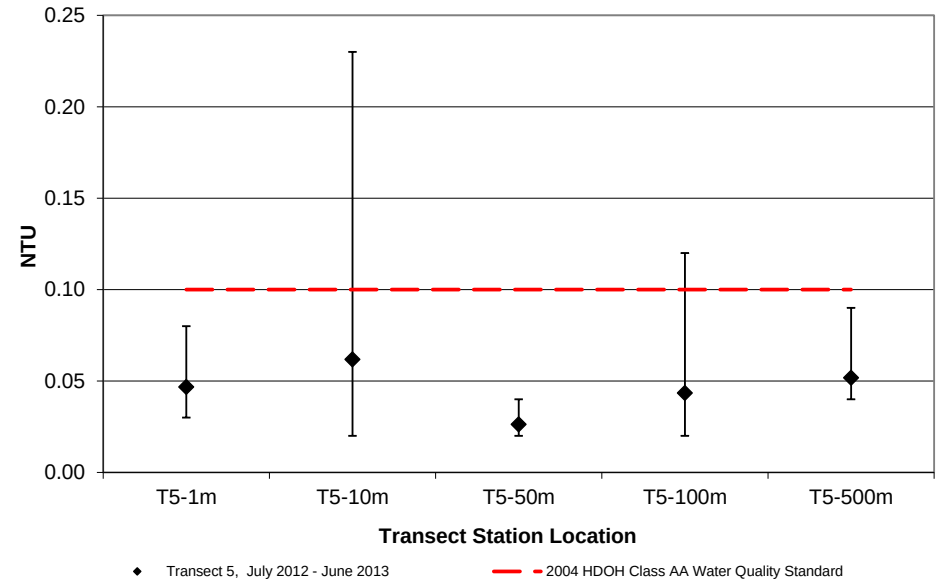
Transect 5

July 2012 - June 2013

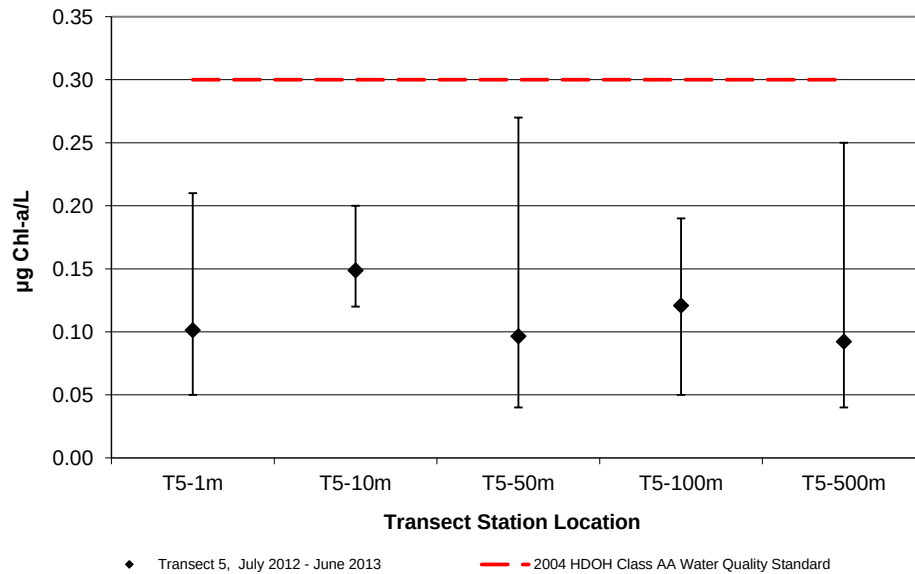
Transect 5 Station Summary
Total Ammonia Geometric Mean



Transect 5 Station Summary
Turbidity Geometric Mean



Transect 5 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 5

July 2011 - June 2012

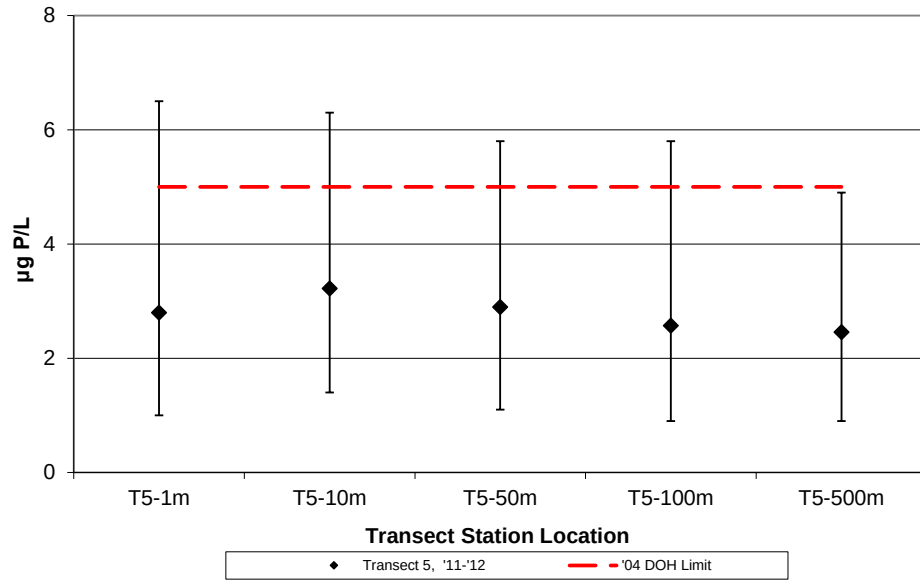
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.3
T5-1m	7/27/11	1031	0.8	Flood	0.19	5.9	0.40	5.6	0.22	3.1	1.7	48	0.54	16.7	5.5	77	0.13	34.79	26.0	8.22	6.47	0.08
T5-1m	10/19/11	1009	1.9	High	0.03	1.0	0.20	2.8	0.13	1.8	1.7	48	0.36	11.1	5.2	73	0.04	35.12	26.5	8.26	7.26	0.08
T5-1m	1/26/12	940	1.2	Ebb	0.05	1.6	0.18	2.5	0.01	0.2	2.2	62	0.44	13.6	6.2	87	0.05	35.01	24.5	8.20	6.74	0.10
T5-1m	4/25/12	1009	0.1	Ebb	0.21	6.5	0.47	6.6	0.46	6.4	2.2	62	0.54	16.8	8.5	120	0.05	34.83	24.8	8.20	6.83	0.10
Geomean	'11-'12				0.09	2.8	0.29	4.0	0.1	1.6			0.5	14.3	6.2	87	0.06					0.09
T5-10m	7/27/11	1035	0.8	Flood	0.20	6.3	0.44	6.2	0.32	4.5	2.0	57	0.50	15.4	5.4	76	0.07	34.79	26.0	8.22	6.49	0.07
T5-10m	10/19/11	1012	1.9	High	0.05	1.4	0.21	2.9	0.08	1.1	2.2	62	0.40	12.4	6.7	94	0.08	35.13	26.5	8.26	7.25	0.07
T5-10m	1/26/12	944	1.2	Ebb	0.07	2.3	0.23	3.2	0.11	1.5	2.6	73	0.61	18.8	6.8	95	0.09	35.01	24.5	8.18	6.74	0.12
T5-10m	4/25/12	1011	0.1	Ebb	0.17	5.3	0.46	6.5	0.34	4.8	1.9	53	0.46	14.4	7.5	105	0.06	34.84	24.8	8.20	6.84	0.17
Geomean	'11-'12				0.10	3.2	0.31	4.4	0.17	2.4			0.49	15.1	6.6	92	0.07					0.10
T5-50m	7/27/11	1039	0.8	Flood	0.19	5.8	0.48	6.7	0.18	2.5	3.1	87	0.50	15.4	5.0	70	0.05	34.75	26.1	8.22	6.40	0.08
T5-50m	10/19/11	1019	1.9	High	0.04	1.1	0.16	2.3	0.08	1.1	2.4	67	0.37	11.4	4.9	68	0.06	35.11	26.5	8.27	7.20	0.07
T5-50m	1/26/12	947	1.2	Ebb	0.07	2.2	0.25	3.5	0.04	0.6	3.5	98	0.37	11.6	3.8	53	0.08	34.99	24.4	8.18	6.66	0.14
T5-50m	4/25/12	1014	0.1	Ebb	0.16	5.0	0.14	1.9	0.39	5.4	4.2	119	0.52	16.2	11.1	156	0.07	34.81	24.9	8.20	6.77	0.04
Geomean	'11-'12				0.09	2.9	0.23	3.2	0.12	1.7			0.44	13.5	5.6	79	0.06					0.07
T5-100m	7/27/11	1045	0.9	Flood	0.19	5.8	0.39	5.4	0.15	2.1	3.4	95	0.49	15.1	3.9	55	0.10	34.76	26.1	8.22	6.33	0.09
T5-100m	10/19/11	1024	1.8	Ebb	0.03	0.9	0.02	0.3	0.01	0.1	2.7	76	0.42	13.1	5.1	72	0.08	35.12	26.4	8.26	7.04	0.09
T5-100m	1/26/12	951	1.2	Ebb	0.06	1.9	0.12	1.7	0.06	0.8	2.4	68	0.41	12.6	4.9	69	0.06	35.02	24.5	8.19	6.56	0.07
T5-100m	4/25/12	1017	0.1	Ebb	0.14	4.4	0.08	1.1	0.22	3.1	0.8	23	0.56	17.5	7.1	99	0.05	34.85	24.9	8.19	6.64	0.06
Geomean	'11-'12				0.08	2.6	0.09	1.3	0.06	0.8			0.47	14.5	5.1	72	0.07					0.08
T5-500m	7/27/11	1052	0.9	Flood	0.16	4.9	0.04	0.6	0.06	0.9	0.4	10	0.47	14.7	2.72	38	0.03	34.84	26.1	8.23	6.32	0.20
T5-500m	10/19/11	1032	1.8	Ebb	0.03	0.9	0.09	1.2	0.04	0.5	3.5	99	0.35	10.9	3.73	52	0.05	35.10	26.7	8.26	7.05	0.19
T5-500m	1/26/12	958	1.2	Ebb	0.06	1.8	0.01	0.1	0.01	0.2	1.4	39	0.34	10.5	3.53	49	0.07	35.05	24.5	8.20	6.63	0.09
T5-500m	4/25/12	1021	0.1	Ebb	0.15	4.6	0.15	2.1	0.26	3.6	1.9	53	0.48	15.0	7.38	103	0.04	34.84	24.9	8.20	6.72	0.08
Geomean	'11-'12				0.08	2.5	0.04	0.6	0.05	0.8			0.41	12.6	4.0	56	0.05					0.13

NELHA Water Quality Laboratory

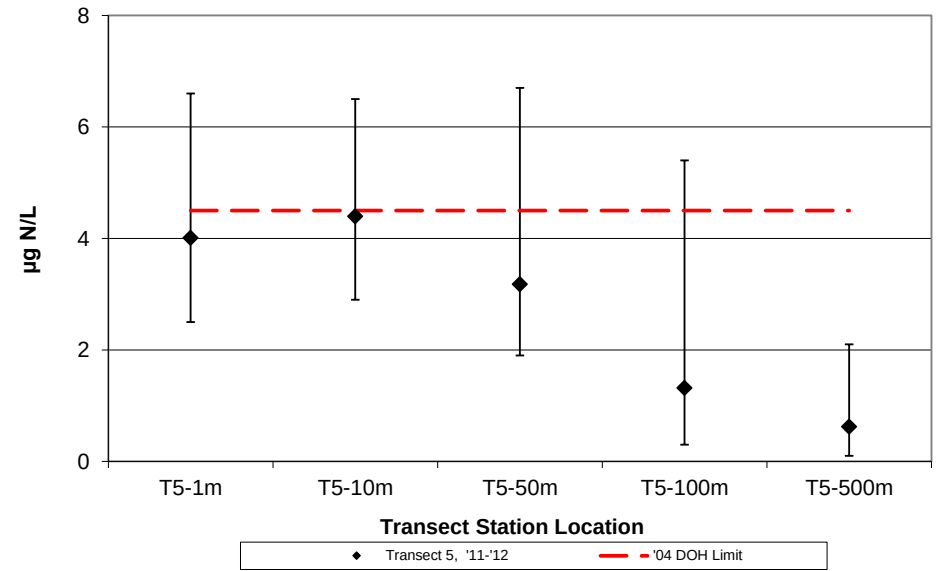
Transect 5

July 2011 - June 2012

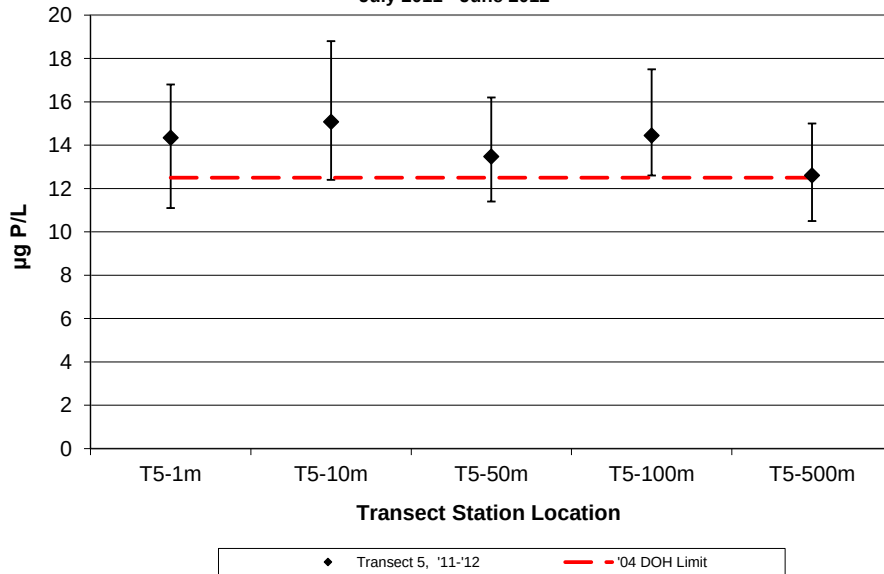
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean, July 2011 - June 2012



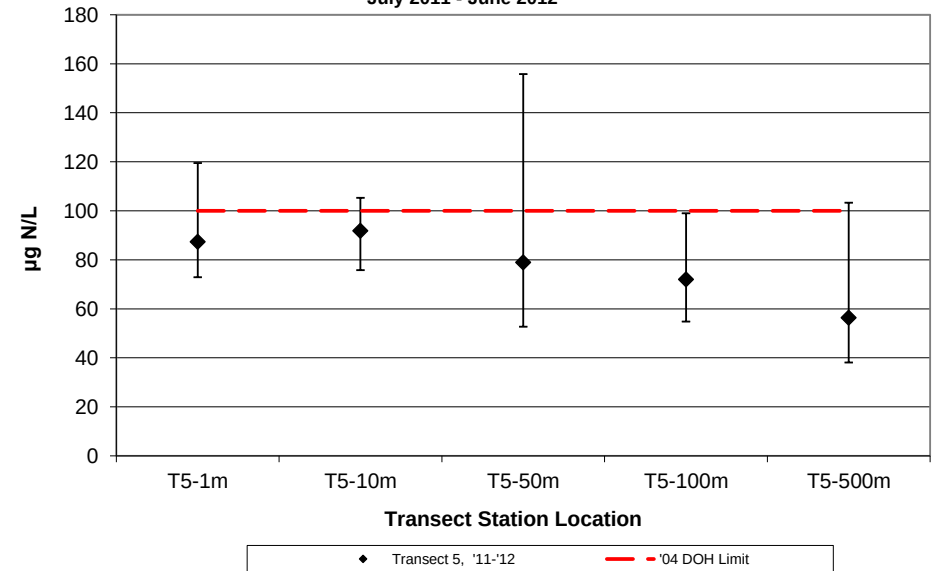
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean, July 2011 - June 2012



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2011 - June 2012



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2011 - June 2012

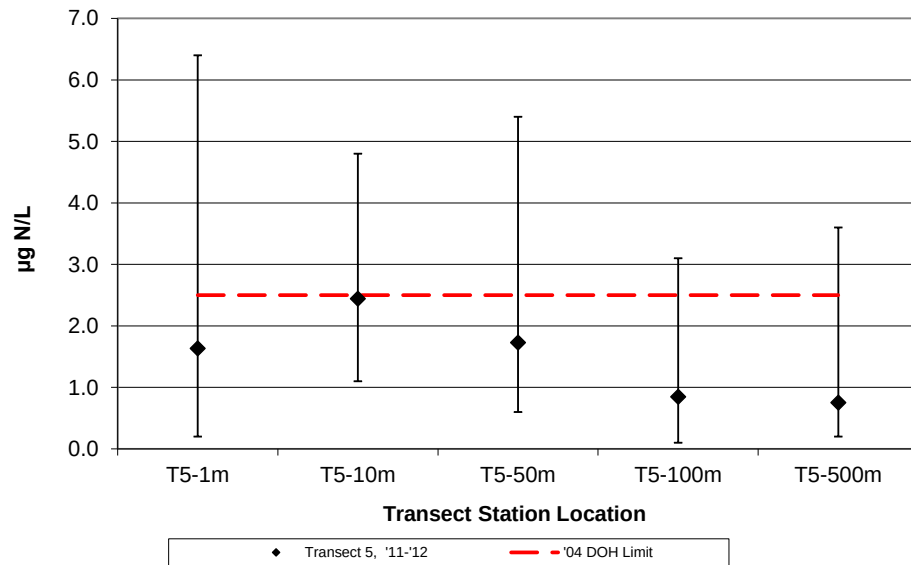


NELHA Water Quality Laboratory

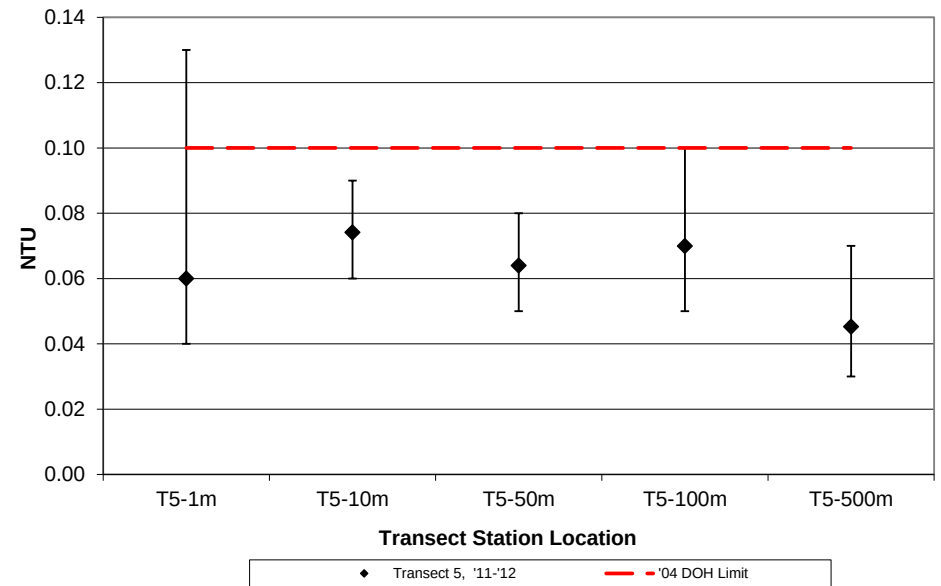
Transect 5

July 2011 - June 2012

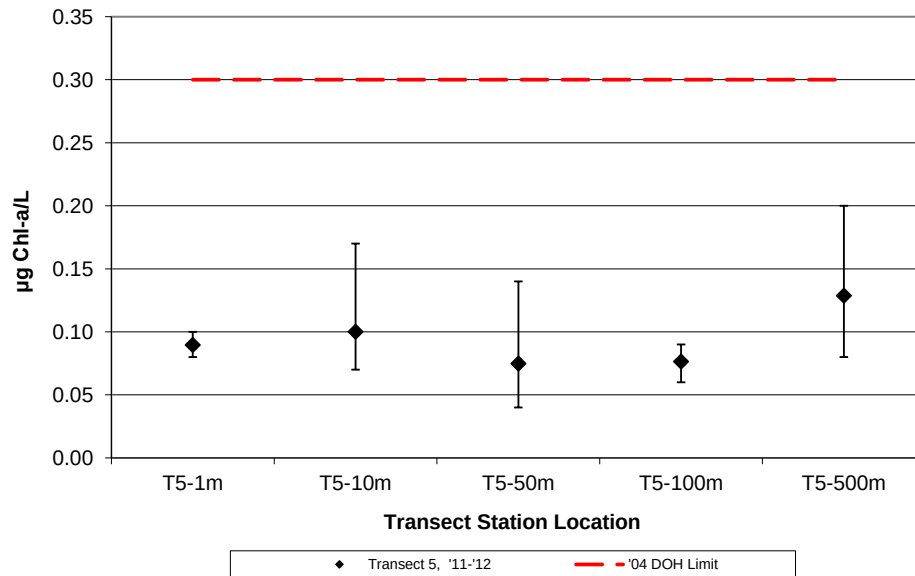
Transect 5 Station Summary
Total Ammonia Geometric Mean, July 2011 - June 2012



Transect 5 Station Summary
Turbidity Geometric Mean, July 2011 - June 2012



Transect 5 Station Summary
Chlorophyll-a Geometric Mean, July 2011 - June 2012



NELHA Water Quality Laboratory

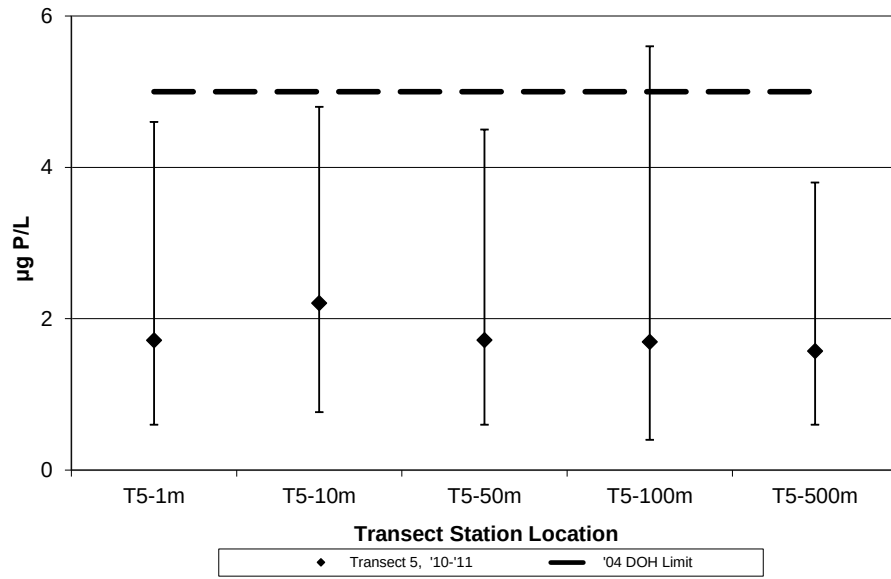
Transect 5

July 2010 - June 2011

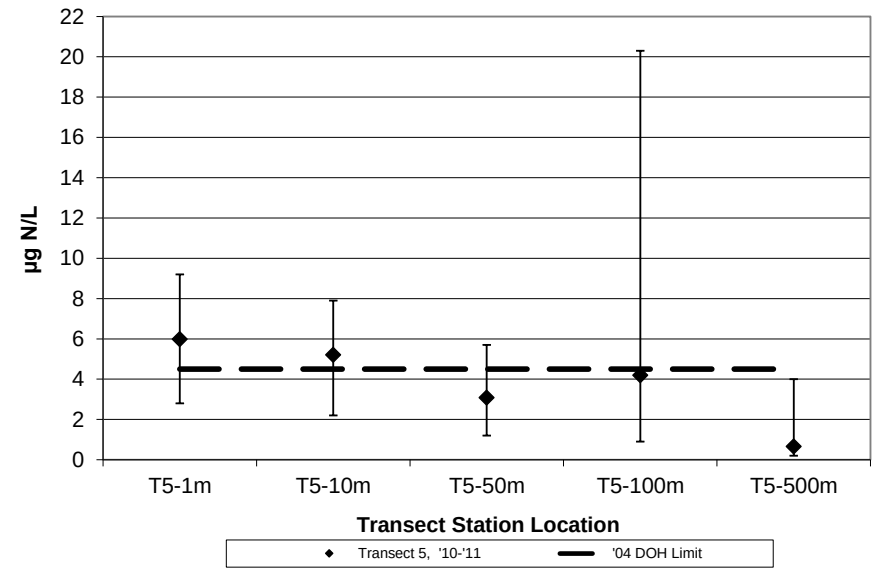
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO4 (µM) (µg P/L)	NO3+NO2 (µM) (µg N/L)	NH3 (µM) (µg N/L)	Si (µM) (µg Si/L)	TDP (µM) (µg P/L)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)						
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5		0.40	12.5	7.1	100	0.10				0.3		
T5-1m	08/11/10	943	0.3	Ebb	0.02	0.6	0.57	8.0	0.22	3.1	3.8	108	0.36	11.3	4.1	57	0.06	34.94	26.0	8.23	6.69	0.08
T5-1m	11/09/10	941	1.6	Ebb	0.02	0.8	0.20	2.8	0.16	2.3	12.0	336	0.33	10.3	5.1	72	0.07	34.91	26.3	8.26	6.42	0.08
T5-1m	01/11/11	1204	0.7	Ebb	0.15	4.6	0.44	6.2	0.14	1.9	10.9	305	0.44	13.7	3.9	55	0.05	35.01	25.1	8.21	6.65	0.09
T5-1m	4/27/11	948	0.3	Flood	0.13	4.1	0.66	9.2	0.24	3.3	4.6	130	0.47	14.6	4.3	61	0.08	34.82	24.9	8.23	6.47	0.12
Geomean	'10-'11				0.06	1.7	0.43	6.0	0.2	2.6		0.4	12.4	4.3	61	0.06					0.09	
T5-10m	08/11/10	942	0.3	Ebb	0.05	1.4	0.53	7.4	0.28	3.9	3.0	85	0.32	9.9	3.5	50	0.07	34.94	26.0	8.23	6.70	0.07
T5-10m	11/09/10	944	1.6	Ebb	0.02	0.8	0.16	2.2	0.06	0.9	14.9	420	0.23	7	4.3	60	0.10	34.90	26.2	8.26	6.46	0.09
T5-10m	01/11/11	1208	0.7	Ebb	0.15	4.8	0.41	5.7	0.37	5.2	4.5	126	0.43	13.2	3.6	51	0.03	35.02	25.1	8.21	6.62	0.13
T5-10m	4/27/11	952	0.4	Flood	0.15	4.6	0.56	7.9	0.30	4.2	4.1	115	0.44	13.5	4.6	64	0.08	34.85	24.9	8.23	6.41	0.11
Geomean	'10-'11				0.07	2.2	0.37	5.2	0.21	3.0		0.34	10.5	4.0	56	0.06					0.10	
T5-50m	08/11/10	950	0.2	Ebb	0.02	0.6	0.09	1.2	0.02	0.3	1.8	50	0.29	8.9	2.9	41	0.05	34.93	26.1	8.24	6.83	0.13
T5-50m	11/09/10	948	1.5	Ebb	0.02	0.8	0.19	2.6	0.74	10.3	5.6	158	0.37	11.5	4.0	57	0.10	34.91	26.3	8.29	6.36	0.05
T5-50m	01/11/11	1216	0.6	Ebb	0.15	4.5	0.41	5.7	0.16	2.3	6.3	177	0.42	12.9	3.7	51	0.05	35.01	25.1	8.20	6.54	0.09
T5-50m	4/27/11	956	0.4	Flood	0.14	4.2	0.36	5.1	0.27	3.8	6.0	169	0.45	13.8	4.0	57	0.08	34.87	24.9	8.23	6.37	0.12
Geomean	'10-'11				0.06	1.7	0.22	3.1	0.16	2.3		0.38	11.6	3.6	51	0.07					0.09	
T5-100m	08/11/10	955	0.2	Ebb	0.01	0.4	0.06	0.9	0.01	0.2	1.6	46	0.29	9.1	2.8	39	0.05	34.97	26.0	8.23	6.70	0.13
T5-100m	11/09/10	952	1.5	Ebb	0.02	0.8	0.19	2.6	0.11	1.6	8.9	250	0.33	10.3	4.2	60	0.09	34.95	26.5	8.29	6.25	0.03
T5-100m	01/11/11	1225	0.6	Ebb	0.18	5.6	1.45	20.3	0.29	4.0	10.2	286	0.43	13.4	3.9	55	0.04	34.66	25.1	8.18	6.57	0.08
T5-100m	4/27/11	1001	0.4	Flood	0.15	4.8	0.46	6.5	0.25	3.5	6.2	175	0.51	15.8	4.0	57	0.09	34.86	25.1	8.22	6.23	0.10
Geomean	'10-'11				0.05	1.7	0.30	4.2	0.10	1.5		0.38	11.9	3.7	52	0.06					0.07	
T5-500m	08/11/10	1003	0.1	Ebb	0.02	0.6	0.02	0.3	0.01	0.1	1.9	53	0.30	9.4	2.72	38	0.04	34.98	26.1	8.24	6.61	0.09
T5-500m	11/09/10	1001	1.4	Ebb	0.02	0.8	0.01	0.2	0.03	0.4	7.3	205	0.37	11.6	4.08	57	0.08	34.94	26.5	8.29	6.20	0.08
T5-500m	01/11/11	1234	0.6	Ebb	0.11	3.5	0.06	0.8	0.11	1.6	0.8	23	0.41	12.7	2.91	41	0.09	35.06	25.0	8.19	6.40	0.07
T5-500m	4/27/11	1007	0.5	Flood	0.12	3.8	0.29	4.0	0.26	3.7	4.1	116	0.46	14.3	3.56	50	0.06	34.87	25.0	8.22	6.16	0.18
Geomean	'10-'11				0.05	1.6	0.05	0.7	0.05	0.7		0.38	11.9	3.3	46	0.06					0.10	

NELHA Water Quality Laboratory
Transect 5
July 2010 - June 2011

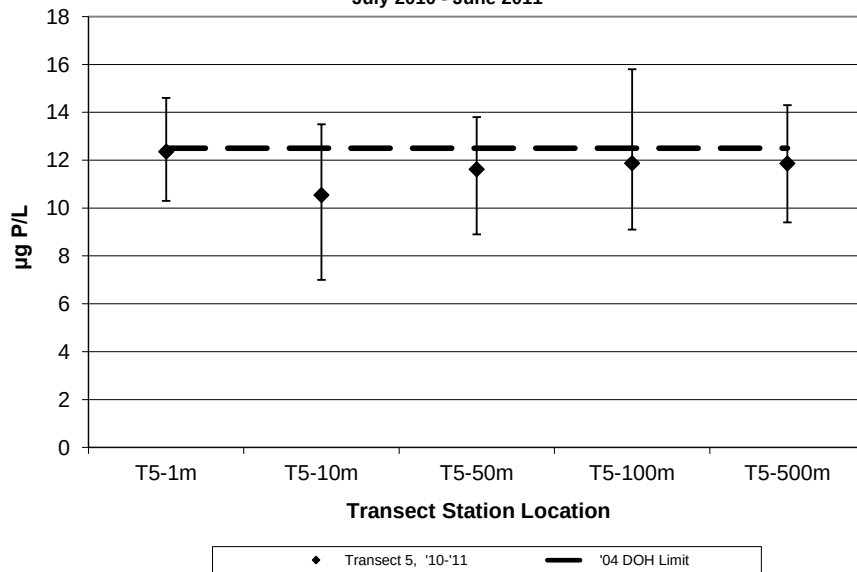
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean, July 2010 - June 2011



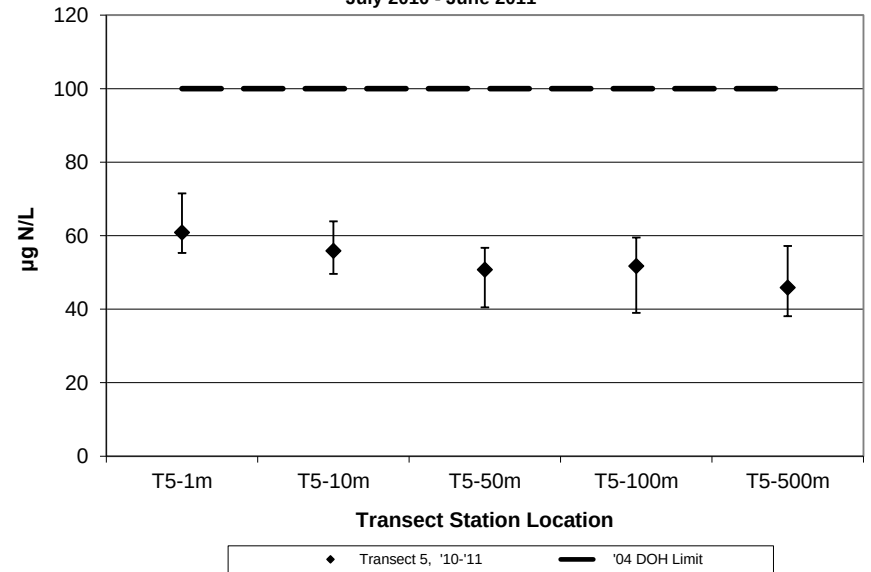
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean, July 2010 - June 2011



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2010 - June 2011



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2010 - June 2011

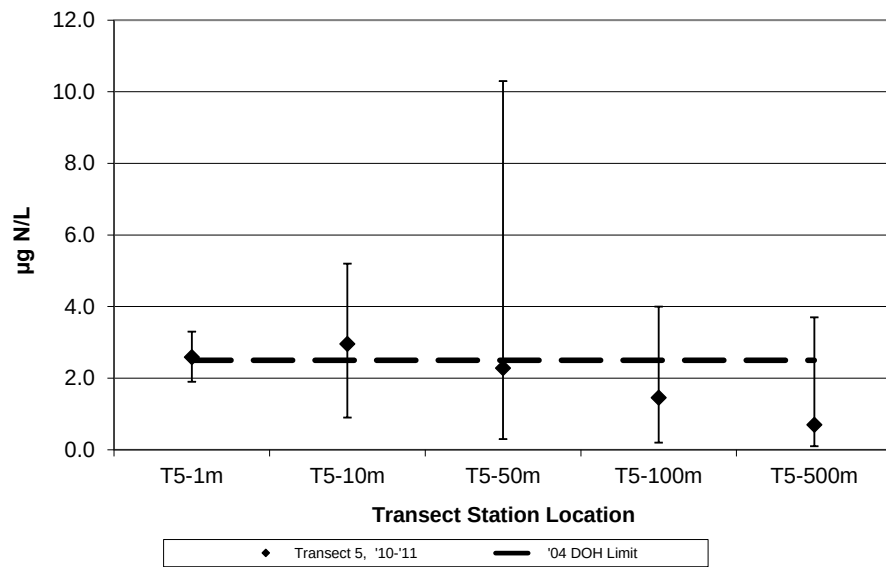


NELHA Water Quality Laboratory

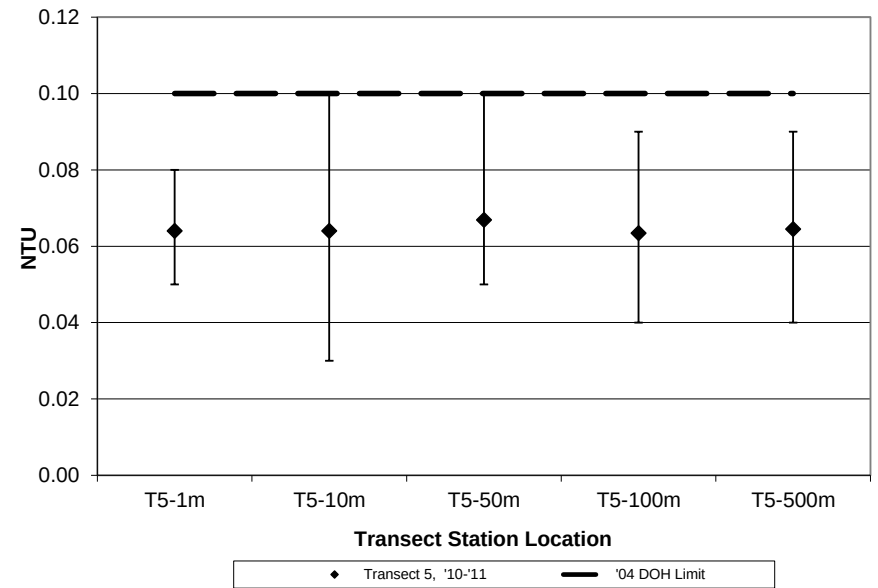
Transect 5

July 2010 - June 2011

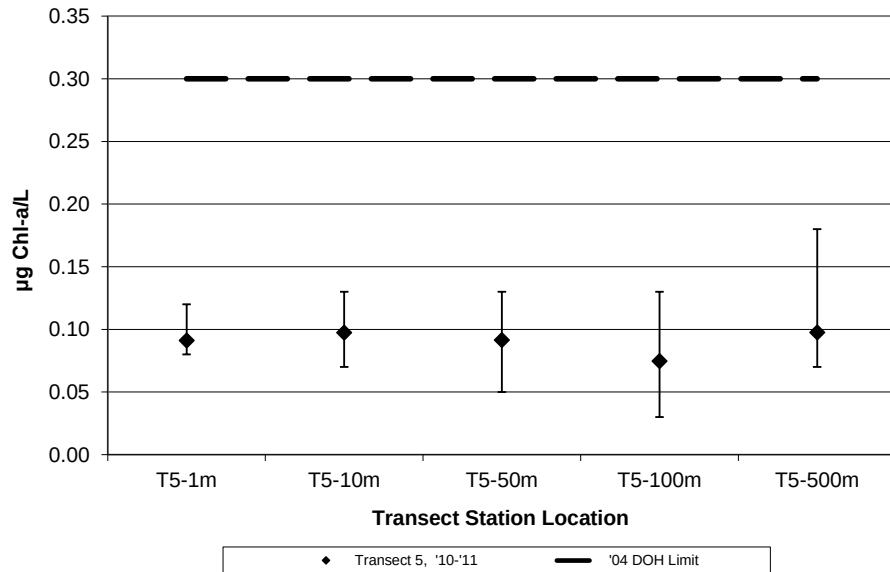
Transect 5 Station Summary
Ammonia Geometric Mean, July 2010 - June 2011



Transect 5 Station Summary
Turbidity Geometric Mean, July 2010 - June 2011



Transect 5 Station Summary
Chlorophyll-a Geometric Mean, July 2010 - June 2011



NELHA Water Quality Laboratory

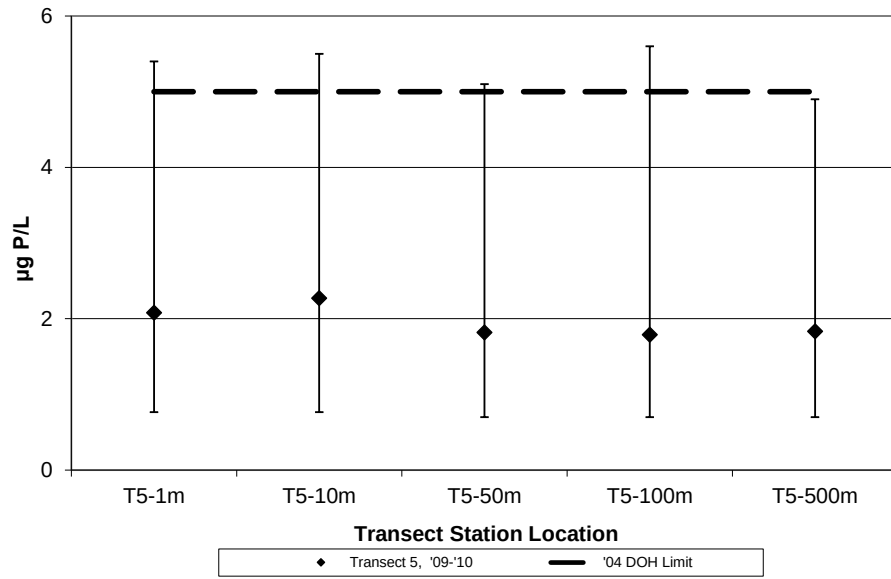
Transect 5

July 2009 - June 2010

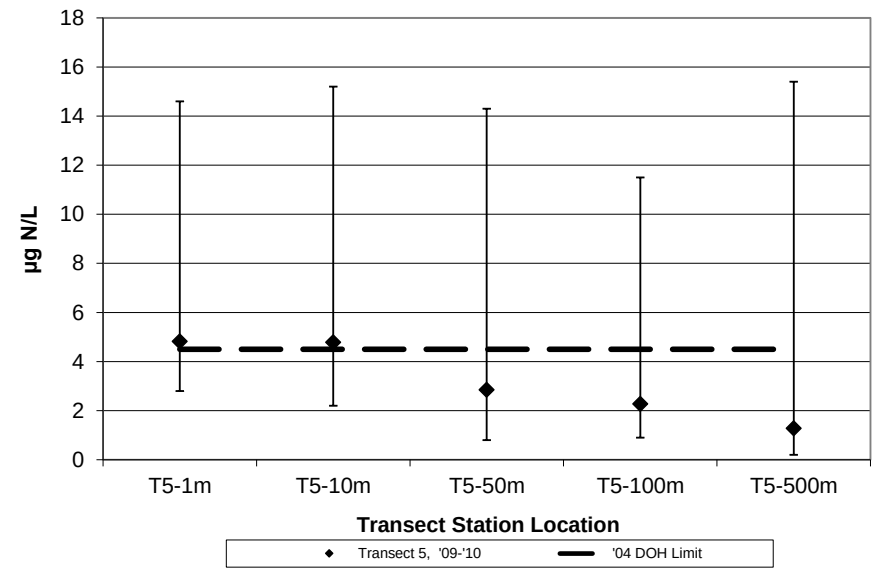
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO4 (µM) (µg P/L)	NO3+NO2 (µM) (µg N/L)	NH3 (µM) (µg N/L)	Si (µM) (µg Si/L)	TDP (µM) (µg P/L)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
DOH LIMIT				0.16 5	0.32 4.5	0.18 2.5		0.40 12.5	7.1 100	0.10					0.3
T5-1m	09/10/09	956	2.0 Ebb	0.15 4.5	0.20 2.8	0.03 0.4	44.8 1259	0.52 16.0	5.9 83	0.05	35.26	27.3	8.23	5.56	0.09
T5-1m	11/24/09	931	1.7 High	0.02 0.8	0.20 2.8	0.16 2.3	12.0 336	0.33 10.3	5.1 72	0.03	35.27	25.2	8.26	6.54	0.13
T5-1m	02/24/10	1009	0.2 Flood	0.17 5.4	1.04 14.6	0.28 3.9	8.2 231	0.29 9.1	6.4 89	0.07	35.09	24.6	8.22	5.50	0.39
T5-1m	5/25/10	924	0.0 Flood	0.03 1.0	0.34 4.7	0.20 2.8	3.1 88	0.29 9.1	7.4 104	0.06	34.73	25.2	8.27	6.72	0.06
Geomean '09-'10				0.07 2.1	0.34 4.8	0.1 1.8		0.3 10.8	6.1 86	0.05					0.13
T5-10m	09/10/09	1003	2.0 Ebb	0.15 4.5	0.19 2.6	0.92 12.9	43.6 1223	0.26 8	4.7 67	0.09	35.27	27.3	8.24	5.71	0.15
T5-10m	11/24/09	937	1.7 High	0.02 0.8	0.16 2.2	0.06 0.9	14.9 420	0.23 7	4.3 60	0.04	35.27	25.2	8.25	6.47	0.12
T5-10m	02/24/10	1013	0.3 Flood	0.18 5.5	1.09 15.2	0.38 5.3	8.4 236	0.38 11.7	5.4 76	0.07	35.09	24.6	8.23	5.51	0.38
T5-10m	5/25/10	928	0.0 Flood	0.05 1.4	0.43 6.0	0.15 2.1	4.0 111	0.19 5.8	4.4 61	0.05	34.77	25.2	8.28	6.67	0.07
Geomean '09-'10				0.07 2.3	0.34 4.8	0.24 3.4		0.25 7.9	4.7 66	0.06					0.15
T5-50m	09/10/09	1013	1.9 Ebb	0.13 4.0	0.16 2.2	1.50 21.0	34.4 966	0.69 21.4	7.3 103	0.07	35.24	27.3	8.21	5.92	0.28
T5-50m	11/24/09	943	1.7 High	0.02 0.8	0.19 2.6	0.74 10.3	5.6 158	0.37 11.5	4.0 57	0.03	35.26	25.2	8.24	6.46	0.12
T5-50m	02/24/10	1016	0.3 Flood	0.16 5.1	1.02 14.3	0.36 5.0	9.2 259	0.46 14.1	8.7 122	0.09	35.12	24.7	8.23	5.46	0.58
T5-50m	5/25/10	933	0.0 Flood	0.02 0.7	0.06 0.8	0.28 3.9	2.9 82	0.23 7.1	3.6 50	0.04	34.79	25.2	8.25	6.64	0.06
Geomean '09-'10				0.06 1.8	0.20 2.8	0.58 8.1		0.40 12.5	5.5 77	0.05					0.18
T5-100m	09/10/09	1022	1.9 Ebb	0.11 3.4	0.07 1.0	0.13 1.8	4.2 119	0.50 15.5	5.3 74	0.06	35.24	27.4	8.21	5.56	0.29
T5-100m	11/24/09	948	1.7 High	0.02 0.8	0.19 2.6	0.11 1.6	8.9 250	0.33 10.3	4.2 60	0.04	35.27	25.2	8.24	6.51	0.10
T5-100m	02/24/10	1021	0.3 Flood	0.18 5.6	0.82 11.5	0.30 4.2	7.2 202	0.45 13.9	8.4 117	0.11	35.11	24.7	8.22	5.44	0.49
T5-100m	5/25/10	938	0.0 Flood	0.02 0.7	0.06 0.9	0.51 7.2	1.8 51	0.24 7.3	5.2 74	0.06	34.80	25.2	8.27	6.67	0.02
Geomean '09-'10				0.06 1.8	0.16 2.3	0.22 3.1		0.36 11.3	5.6 79	0.06					0.13
T5-500m	09/10/09	1032	1.8 Ebb	0.16 4.9	0.16 2.2	0.21 2.9	12.2 344	0.70 21.8	5.68 80	0.12	35.25	27.5	8.20	5.31	0.29
T5-500m	11/24/09	955	1.7 High	0.02 0.8	0.01 0.2	0.03 0.4	7.3 205	0.37 11.6	4.08 57	0.05	35.27	25.2	8.23	6.43	0.13
T5-500m	02/24/10	1028	0.3 Flood	0.14 4.3	1.10 15.4	0.32 4.5	10.0 280	0.42 12.9	6.75 95	0.07	35.15	24.6	8.22	5.50	0.34
T5-500m	5/25/10	946	0.1 Flood	0.02 0.7	0.03 0.4	0.37 5.2	1.6 44	0.29 9.1	5.82 82	0.04	34.82	25.3	8.28	6.67	0.06
Geomean '09-'10				0.06 1.8	0.09 1.3	0.16 2.3		0.42 13.1	5.5 77	0.06					0.17

NELHA Water Quality Laboratory
Transect 5
July 2009 - June 2010

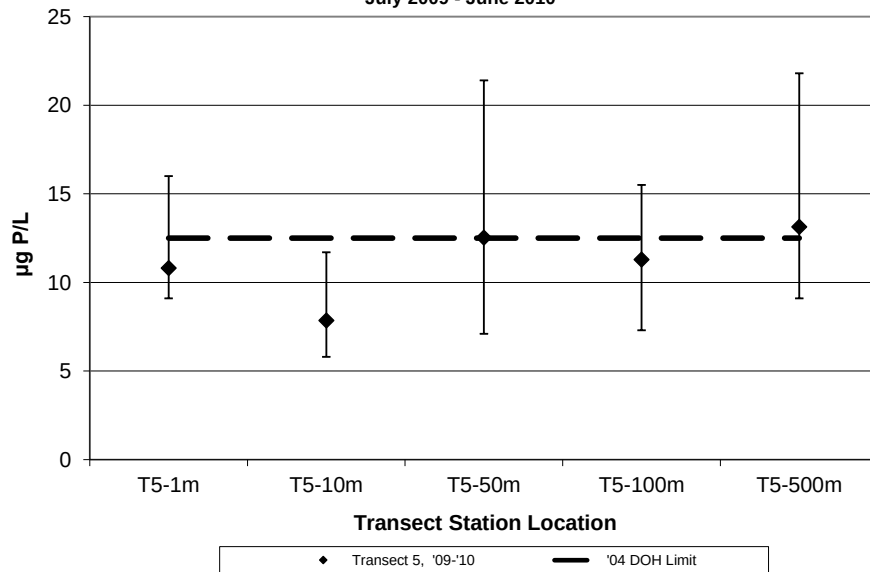
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean, July 2009 - June 2010



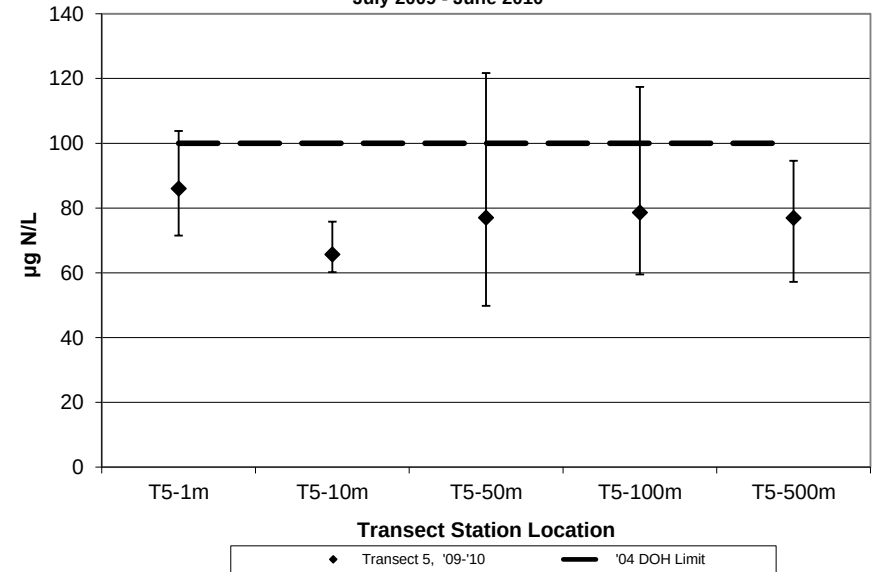
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean, July 2009 - June 2010



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2009 - June 2010



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2009 - June 2010

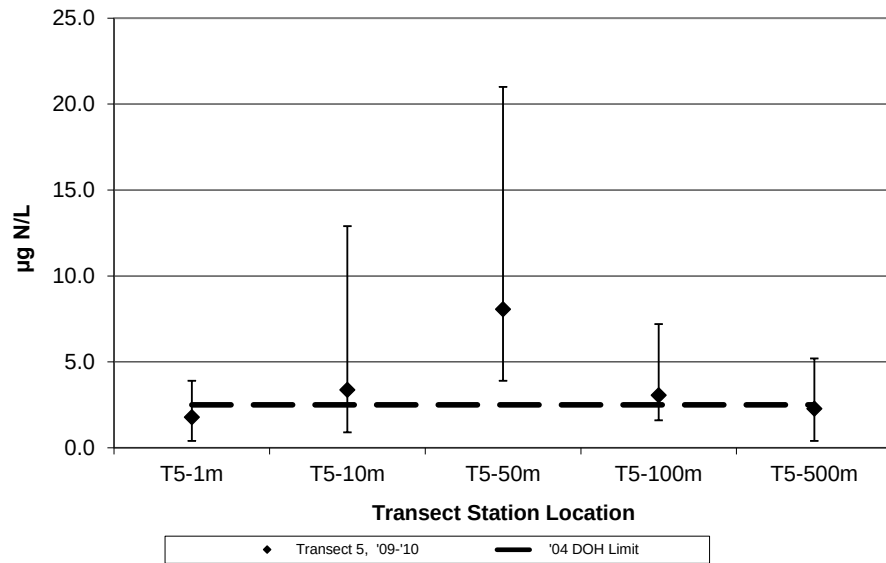


NELHA Water Quality Laboratory

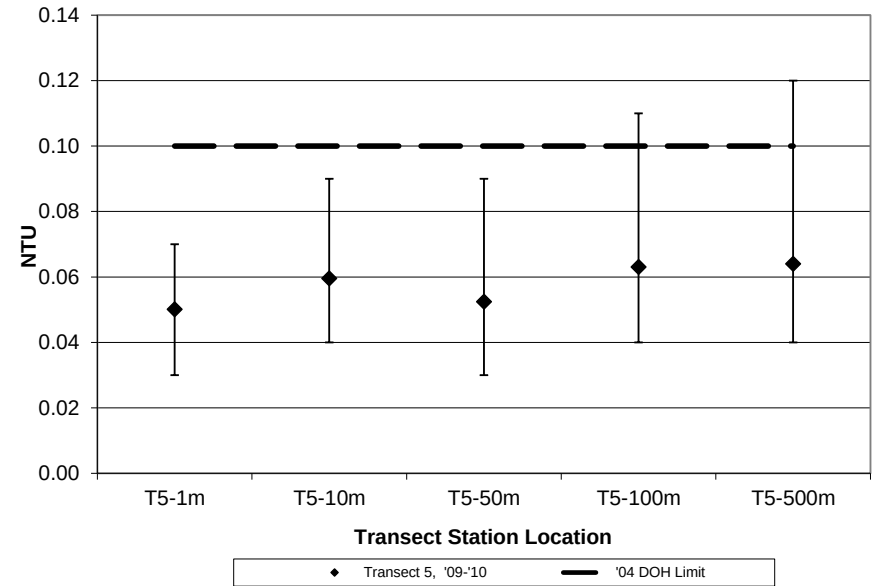
Transect 5

July 2009 - June 2010

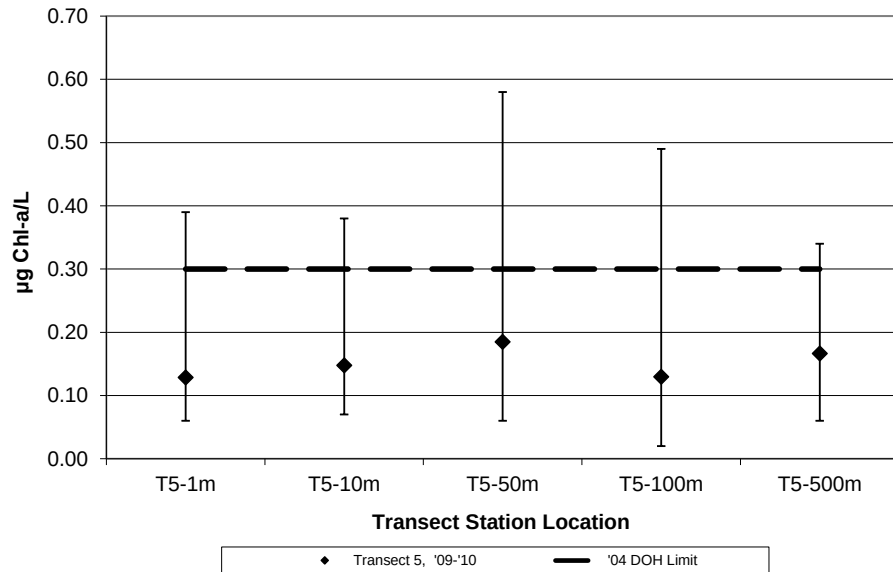
Transect 5 Station Summary
Ammonia Geometric Mean, July 2009 - June 2010



Transect 5 Station Summary
Turbidity Geometric Mean, July 2009 - June 2010



Transect 5 Station Summary
Chlorophyll-a Geometric Mean, July 2009 - June 2010



NELHA Water Quality Laboratory

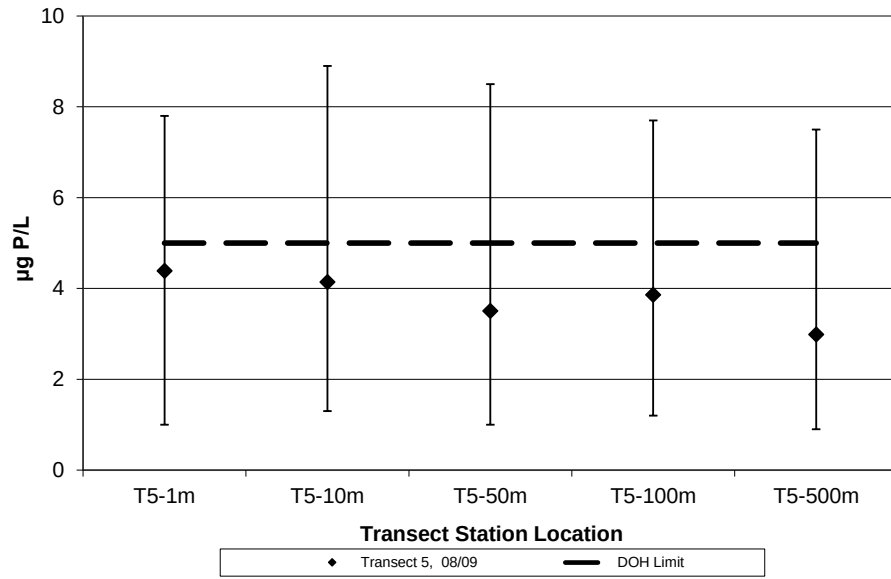
Transect 5

July 2008 - June 2009

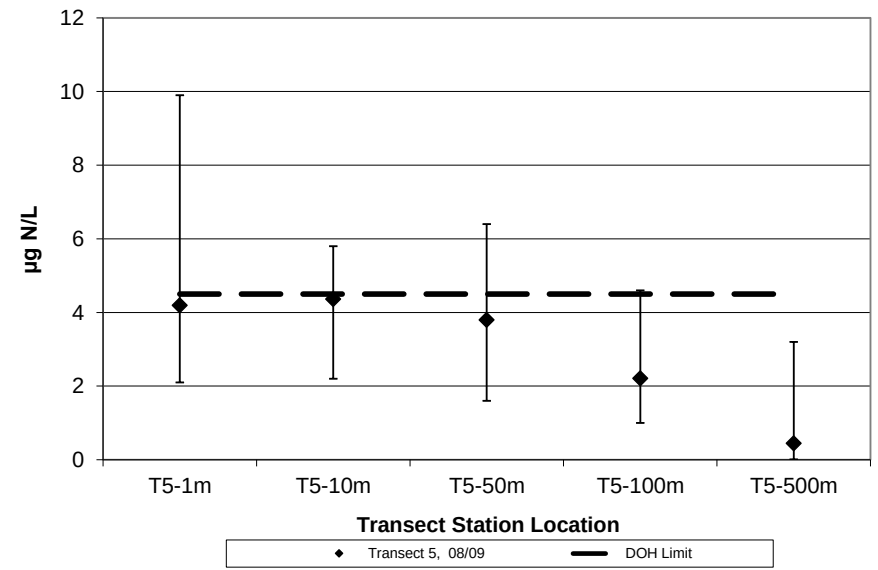
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO4 (µM) (µg P/L)	NO3+NO2 (µM) (µg N/L)	NH3 (µM) (µg N/L)	Si (µM) (µg Si/L)	TDP (µM) (µg P/L)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)						
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5		0.40	12.5	7.1	100	0.10	0.3					
T5-1m	09/23/08	1108	2.1 High	0.03	1.0	0.19	2.7	0.31	4.3	2.3	64	0.35	10.9	5.9	83	0.08	34.837	26.7	8.07	6.31	0.09
T5-1m	12/08/08	1017	1.0 Flood	0.23	7.2	0.15	2.1	0.73	10.2	1.3	35	0.03	0.8	6.2	87	0.10	35.001	26.2	8.30	6.25	0.05
T5-1m	02/10/09	911	0.4 Ebb	0.21	6.6	0.71	9.9	0.12	1.7	4.3	122	0.37	11.5	7.5	105	0.12	35.005	24.7	8.05	6.03	0.06
T5-1m	6/30/09	1001	1.3 Ebb	0.25	7.8	0.39	5.5	0.67	9.4	4.4	124	0.43	13.2	5.6	78	0.08	34.905	26.7	8.16	5.82	0.10
Geomean	08/09			0.14	4.4	0.30	4.2	0.4	5.1			0.2	6.0	6.3	88	0.09					0.07
T5-10m	09/23/08	1111	2.2 High	0.04	1.3	0.16	2.2	0.28	3.9	2.5	71	0.29	8.9	4.7	66	0.08	34.836	26.8	8.06	6.21	0.03
T5-10m	12/08/08	1022	1.0 Flood	0.21	6.5	0.35	4.9	1.03	14.4	1.9	53	0.10	3	5.9	83	0.05	34.990	26.1	8.30	5.85	0.07
T5-10m	02/10/09	918	0.4 Ebb	0.13	3.9	0.41	5.8	0.56	7.9	3.6	101	0.37	11.6	10.8	152	0.10	35.060	24.8	8.05	6.05	0.05
T5-10m	6/30/09	1005	1.4 Ebb	0.29	8.9	0.41	5.8	0.17	2.4	5.2	145	0.23	7.0	5.3	74	0.11	34.898	26.7	8.17	6.07	0.09
Geomean	08/09			0.13	4.1	0.31	4.4	0.41	5.7			0.22	6.8	6.3	89	0.08					0.06
T5-50m	09/23/08	1117	2.2 High	0.03	1.0	0.11	1.6	0.38	5.3	2.5	70	0.35	10.8	4.1	58	0.06	34.834	26.7	8.06	5.92	0.09
T5-50m	12/08/08	1028	1.0 Flood	0.17	5.2	0.25	3.5	0.34	4.8	1.7	49	0.45	14.0	5.5	77	0.07	34.975	26.1	8.30	5.22	0.09
T5-50m	02/10/09	921	0.3 Ebb	0.11	3.4	0.41	5.8	0.12	1.7	2.9	80	0.34	10.6	7.9	111	0.08	35.044	24.8	8.05	6.03	0.04
T5-50m	6/30/09	1013	1.4 Ebb	0.27	8.5	0.46	6.4	0.41	5.7	5.4	152	0.30	9.3	6.0	84	0.10	34.904	26.7	8.21	5.93	0.15
Geomean	08/09			0.11	3.5	0.27	3.8	0.28	4.0			0.36	11.0	5.7	80	0.08					0.08
T5-100m	09/23/08	1122	2.2 High	0.04	1.2	0.07	1.0	0.33	4.6	2.3	64	0.34	10.5	5.2	73	0.08	34.830	26.6	8.06	5.81	0.06
T5-100m	12/08/08	1036	1.0 Flood	0.15	4.8	0.26	3.7	0.27	3.8	1.8	51	0.33	10.2	5.0	70	0.05	34.983	26.0	8.30	5.10	0.08
T5-100m	02/10/09	927	0.3 Ebb	0.16	5.0	0.10	1.4	0.12	1.7	1.7	47	0.36	11.3	10.7	150	0.07	35.129	24.7	8.07	6.01	0.02
T5-100m	6/30/09	1020	1.4 Ebb	0.25	7.7	0.33	4.6	0.12	1.7	7.0	197	0.43	13.4	5.8	81	0.05	34.909	26.7	8.20	5.67	0.07
Geomean	08/09			0.12	3.9	0.16	2.2	0.19	2.7			0.36	11.3	6.3	89	0.06					0.05
T5-500m	09/23/08	1133	2.2 High	0.03	0.9	0.00	0.0	2.44	34.2	1.5	42	0.29	9.1	6.75	95	0.06	34.833	26.7	8.07	6.07	0.13
T5-500m	12/08/08	1042	1.0 Flood	0.14	4.2	0.04	0.6	0.19	2.6	1.7	49	0.30	9.2	6.60	92	0.05	35.000	26.3	8.31	5.65	0.02
T5-500m	02/10/09	936	0.2 Ebb	0.09	2.8	0.15	2.1	0.12	1.7	1.7	48	0.23	7.1	4.75	67	0.09	35.089	25.0	8.06	6.08	0.02
T5-500m	6/30/09	1028	1.5 Ebb	0.24	7.5	0.23	3.2	0.12	1.7	5.1	144	0.52	16.1	6.00	84	0.08	34.897	26.8	8.20	5.70	0.07
Geomean	08/09			0.10	3.0	0.03	0.4	0.29	4.0			0.32	9.9	6.0	84	0.07					0.04

NELHA Water Quality Laboratory
Transect 5
July 2008 - June 2009

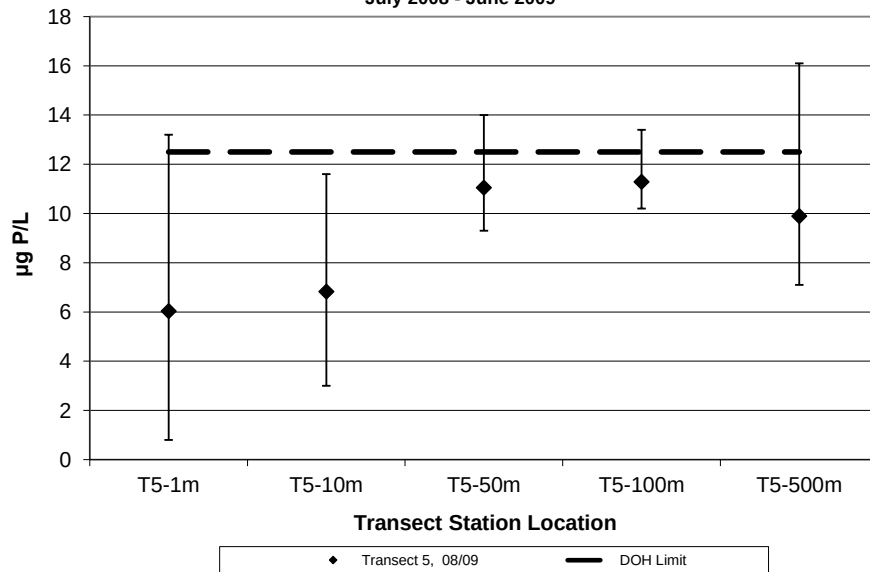
Transect 5 Station Summary
Ortho-Phosphate Geometric Mean, July 2008 - June 2009



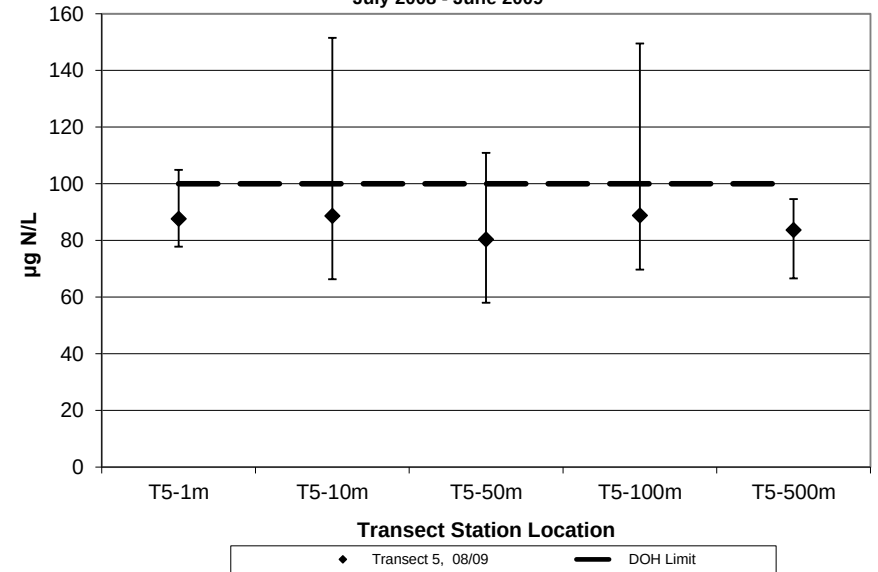
Transect 5 Station Summary
Nitrate + Nitrite Geometric Mean, July 2008 - June 2009



Transect 5 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2008 - June 2009



Transect 5 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2008 - June 2009

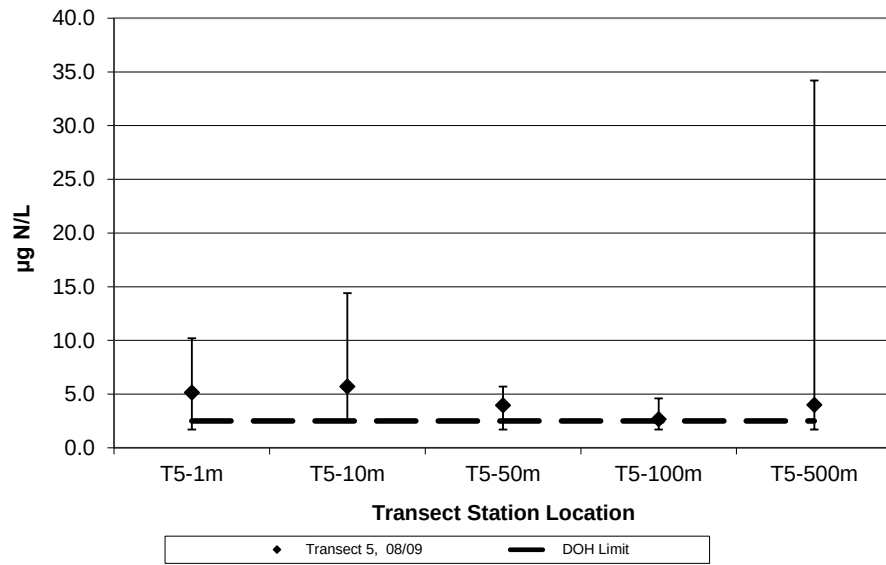


NELHA Water Quality Laboratory

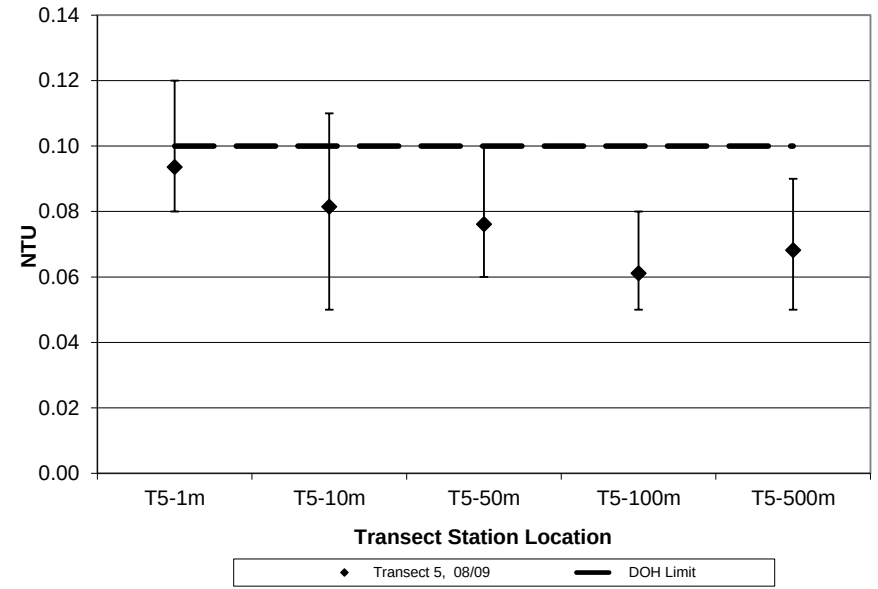
Transect 5

July 2008 - June 2009

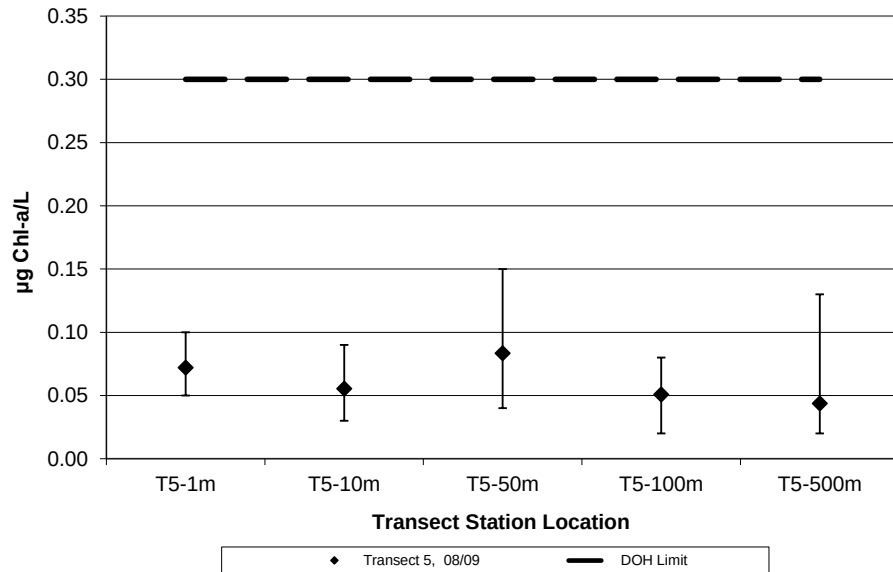
Transect 5 Station Summary
Ammonia Geometric Mean, July 2008 - June 2009



Transect 5 Station Summary
Turbidity Geometric Mean, July 2008 - June 2009

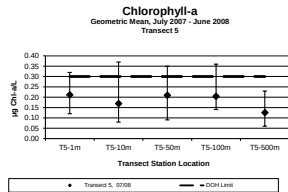
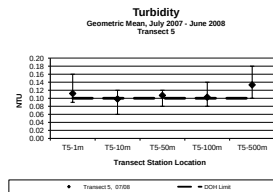
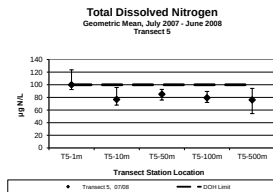
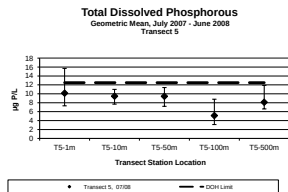
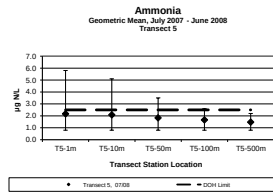
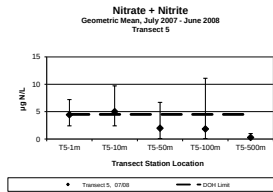
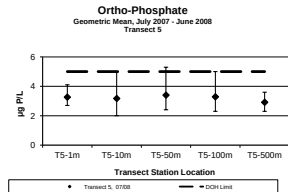


Transect 5 Station Summary
Chlorophyll-a Geometric Mean, July 2008 - June 2009



NELHA Water Quality Laboratory
FY 07/08, Transect 5

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (µM) (µg P/L)	NO3+NO2 (µM) (µg N/L)	NH4 (µM) (µg N/L)	SI (µM) (µg Si/L)	TDP (µM) (µg P/L)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (‰)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)						
DOH LIMIT			0.16	5	0.32	4.5	0.18	2.5		0.40	12.5	7.1	100	0.10	0.3					
T5-1m	27-Sep-07	940	0.13	4.1	0.37	5.2	0.41	5.8	4.8	135	0.51	15.7	6.6	92	0.10	34.975	26.71	8.07	6.18	0.12
T5-1m	14-Dec-07	942	0.10	3.1	0.21	4.3			4.8	135	0.35	10.8	6.7	94	0.14	34.722	25.65	8.21	6.72	0.23
T5-1m	11-Mar-08	951	0.11	3.3	0.51	7.2	0.06	0.8	5.5	156	0.24	7.3	6.7	94	0.09	34.823	24.76	8.08	6.52	0.32
T5-1m	9-Jun-08	1024	0.09	2.7	0.17	2.4	0.16	2.2	13.2	372	0.28	8.6	8.8	124	0.16	35.6807	25.01	8.12	5.81	0.13
Geomean	07/08		0.11	3.3	0.32	4.4	0.2	2.2		0.3	10.2	7.1	100	0.11						0.21
T5-10m	27-Sep-07	920	0.16	5.0	0.29	4.0	0.36	5.1	6.1	173	0.36	11	5.3	74	0.06	34.922	26.8	8.06	6.07	0.20
T5-10m	14-Dec-07	945	0.06	2.0	0.69	9.7			5.4	151	0.35	10.9	4.8	68	0.10	34.727	25.7	8.21	6.69	0.20
T5-10m	11-Mar-08	953	0.12	3.6	0.48	6.7	0.06	0.8	19.8	557	0.28	8.7	6.8	96	0.12	34.834	24.8	8.10	6.53	0.37
T5-10m	9-Jun-08	1028	0.09	2.8	0.17	2.4	0.16	2.2	14.0	392	0.25	7.7	5.2	72	0.07	34.6758	25.0	8.12	5.83	0.08
Geomean	07/08		0.10	3.2	0.36	6.0	0.15	2.1		0.31	9.5	5.5	77	0.10						0.17
T5-50m	27-Sep-07	911	0.17	5.3	0.31	4.4	0.25	3.5	5.2	147	0.37	11.4	6.6	93	0.08	34.915	26.7	8.06	6.06	0.09
T5-50m	14-Dec-07	948	0.08	2.4	0.01	0.1			6.4	181	0.35	10.9	5.4	76	0.11	34.749	25.7	8.24	6.52	0.17
T5-50m	11-Mar-08	957	0.08	2.5	0.38	5.3	0.06	0.8	18.8	528	0.23	7.2	6.0	84	0.12	34.836	24.8	8.10	6.87	0.35
T5-50m	9-Jun-08	1032	0.14	4.2	0.48	6.7	0.16	2.2	18.2	511	0.29	8.9	6.4	90	0.12	34.591	25.16	8.12	5.78	0.19
Geomean	07/08		0.11	3.4	0.14	2.0	0.13	1.8		0.30	9.4	6.1	85	0.11						0.21
T5-100m	27-Sep-07	900	0.16	5.0	0.26	3.6	0.19	2.6	15.1	424	0.16	5.0	6.0	84	0.08	34.916	26.8	8.06	6.04	0.14
T5-100m	14-Dec-07	950	0.07	2.3	0.01	0.1			3.0	85	0.16	5.1	5.3	74	0.09	34.881	25.7	8.23	6.48	0.15
T5-100m	11-Mar-08	1001	0.12	3.6	0.79	11.1	0.06	0.8	13.7	386	0.10	3.1	6.4	90	0.11	34.695	24.8	8.09	6.71	0.36
T5-100m	9-Jun-08	1035	0.09	2.8	0.20	2.8	0.16	2.2	17.9	502	0.28	8.8	5.1	72	0.14	34.642	25.3	8.11	5.62	0.23
Geomean	07/08		0.11	3.3	0.13	1.8	0.12	1.7		0.17	5.1	5.7	80	0.10						0.20
T5-500m	27-Sep-07	848	0.12	3.6	0.01	0.1	0.13	1.8	9.8	275	0.24	7.5	3.9	54	0.11	34.874	26.6	8.09	6.30	0.06
T5-500m	14-Dec-07	1000	0.10	3.1	0.01	0.1			2.5	70	0.38	11.9	6.7	94	0.16	34.741	25.8	8.24	6.58	0.10
T5-500m	11-Mar-08	1008	0.09	2.8	0.07	1.0	0.06	0.8	15.6	439	0.24	7.4	6.5	91	0.10	34.888	24.9	8.11	6.66	0.18
T5-500m	9-Jun-08	1044	0.07	2.3	0.05	0.7	0.16	2.2	14.2	400	0.21	6.6	5.1	72	0.18	34.454	25.9	8.11	5.59	0.23
Geomean	07/08		0.09	2.9	0.02	0.3	0.10	1.5		0.26	8.1	5.4	76	0.13						0.13



Transect 5, 07/08														
SITE ID	limit	PO4 (µg P/L)	NO3+NO2 limit (µg N/L)	NH4 limit (µg N/L)	TDP limit (µg P/L)	TDN limit (µg N/L)	Turbidity limit (NTU)	Chl a limit (µg/L)						
T5-1m	5	3.3	4.5	4.4	2.5	2.2	12.5	10.2	100	100.0	0.1	0.11	0.3	0.21
T5-10m	5	3.2	4.5	5.0	2.5	2.1	12.5	9.5	100	76.8	0.1	0.10	0.3	0.17
T5-50m	5	3.4	4.5	2.0	2.5	1.8	12.5	9.4	100	85.2	0.1	0.11	0.3	0.21
T5-100m	5	3.3	4.5	1.8	2.5	1.7	12.5	5.1	100	79.5	0.1	0.10	0.3	0.20
T5-500m	5	2.9	4.5	0.3	2.5	1.5	12.5	8.1	100	76.2	0.1	0.13	0.3	0.13

Max/Min														
Max/Min	Max	PO4 Min	NO3+NO2 Max	NH4 Min	TDP Max	TDN Max	Turbidity Max	Chl a Max						
T5-1m	0.84	0.56	2.77	2.03	3.63	1.37	5.54	2.86	23.59	7.61	0.05	0.02	0.11	0.09
T5-10m	1.83	1.17	4.70	2.60	3.02	1.28	1.53	1.77	18.96	9.94	0.02	0.04	0.20	0.09
T5-50m	1.90	1.00	4.71	1.89	1.67	1.03	1.95	2.25	7.50	9.30	0.01	0.03	0.14	0.12
T5-100m	1.72	0.98	9.27	1.73	0.94	0.86	3.66	2.04	9.99	7.41	0.04	0.02	0.16	0.06
T5-500m	0.69	0.61	0.71	0.19	0.73	0.67	3.77	1.53	18.13	21.87	0.05	0.03	0.10	0.07

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O5-1B	26-Jul-93	1201	0.18	0.17	0.45	3.26	0.28	0.28	9.17
O5-1B	6-Dec-93	1130	0.05	0.30	0.06	2.42	0.25	0.25	6.66
O5-1B	7-Mar-94	1035	0.23	0.30	0.17	4.35	0.30	0.30	7.09
O5-1B	15-Jun-94	1033	0.22	0.24	0.09	3.51	0.22	0.34	5.77
O5-1B	9-Sep-94	1011	0.12	0.31	0.21	3.23	0.30	0.32	6.26
O5-1B	14-Nov-94	936	0.16	0.68	0.52	6.82	0.35	0.38	5.78
O5-1B	22-Mar-95	1020	0.20	0.32	0.36	4.25	0.35	0.35	5.53
O5-1B	28-Jun-95	1047	0.09	0.35	0.58	8.83	0.28	0.28	6.14
O5-1B	28-Sep-95	947	0.11	0.07	0.54	2.26	0.29	0.29	6.24
O5-1B	14-Nov-95	958	0.13	0.16	0.52	2.96	0.27	0.27	4.54
O5-1B	12-Mar-96	1033	0.17	0.33	0.64	4.50	0.38	0.38	5.16
O5-1B	14-May-96	1028	0.13	0.39	0.27	5.76	0.31	0.31	5.30
O5-1B	31-Jul-96	1055	0.08	0.35	0.44	9.25	0.26	0.26	4.49
O5-1B	2-Oct-96	1023	0.08	0.03	0.28	2.35	0.25	0.25	4.38
O5-1B	7-Jan-97	1026	0.10	0.17	0.22	2.52	0.26	0.28	4.70
O5-1B	28-Apr-97	1047	0.12	0.29	0.44	4.30	1.13	1.56	5.52
O5-1B	19-Aug-97	1032	0.09	0.31	0.24	3.80	0.33	0.34	5.51
O5-1B	7-Oct-97	930	0.09	0.09	0.36	2.02	0.29	0.29	4.99
O5-1B	4-Mar-98	1036	0.12	0.39	0.24	4.69	0.34	0.34	5.10
O5-1B	5-May-98	1041	0.10	0.38	0.24	5.84	0.37	0.37	6.09
O5-1B	7-Jul-98	1107	0.12	0.35	0.04	7.61	0.37	0.38	5.27
O5-1B	6-Oct-98	1016	0.11	0.19	0.09	8.85	0.39	0.39	5.71
O5-1B	19-Jan-99	1051	0.08	0.17	0.18	3.73	0.32	0.32	5.03
O5-1B	13-Apr-99	1132	0.17	0.25	0.15	25.6	0.39	0.40	3.80
O5-1B	16-Aug-99	1104	0.10	0.09	0.42	2.11	0.37	0.39	4.36
O5-1B	25-Oct-99	1153	0.15	0.60	0.40	6.78	0.32	0.33	5.29
O5-1B	12-Jan-00	1053	0.13	0.17	0.35	5.17	0.27	0.29	5.65
O5-1B	11-Apr-00	959	0.11	0.05	0.08	2.81	0.28	0.29	5.81
O5-1B	25-Jul-00	1107	0.10	0.15	0.05	2.90	0.31	0.32	5.16
O5-1B	31-Oct-00	1052	0.13	0.33	0.30	4.77	0.37	0.37	5.63
O5-1B	6-Mar-01	1044	0.16	0.52	0.12	5.75	0.38	0.39	5.44
O5-1B	8-May-01	1137	0.13	0.17	0.22	4.16	0.35	0.35	4.86
O5-1B	13-Aug-01	944	0.10	0.01	0.20	1.79	0.36	0.36	5.67
O5-1B	10-Oct-01	1048	0.15	0.08	0.04	3.20	0.38	0.38	5.76
O5-1B	6-Mar-02	1002	0.15	0.22	0.09	3.30	0.37	0.37	6.11
O5-1B	15-Apr-02	1009	0.17	0.57	0.06	4.79	0.42	0.44	5.69
O5-1B	10-Jul-02	1002	0.17	0.26	0.15	4.49	0.35	0.35	5.64
O5-1B	8-Oct-02	1010	0.08	0.53	0.09	5.02	0.35	0.35	5.23
O5-1B	11-Mar-03	1140	0.10	0.13	0.06	3.42	0.33	0.35	5.22
O5-1B	23-Apr-03	1005	0.11	<0.03	<0.03	2.40	0.36	0.36	6.69
O5-1B	21-Aug-03	1000	0.11	<0.01	<0.10	4.58	0.39	0.38	8.22
O5-1B	3-Nov-03	947	0.11	<0.01	0.26	2.42	0.39	0.39	6.21
O5-1B	18-Mar-04	1009	0.13	0.44	0.27	4.75	0.39	0.42	4.68
O5-1B	24-May-04	1023	0.15	0.30	0.14	3.62	0.44	0.44	5.88
O5-1B	22-Sep-04	1058	0.07	<0.01	0.26	2.89	0.31	0.30	4.72
O5-1B	29-Nov-04	1001	0.09	0.19	0.14	1.61	0.32	0.31	5.48
O5-1B	24-Jan-05	1040	0.08	0.26	0.10	3.95	0.30	0.32	6.06
O5-1B	13-Apr-05	1042	0.12	0.14	0.20	2.89	0.38	0.39	4.87
O5-1B	21-Jul-05	958	0.06	0.38	0.43	4.63	0.34	0.36	4.61

O5-1B	13-Oct-05	949	0.06	0.18	0.23	3.07	0.31	0.33	2.65
O5-1B	15-Mar-06	908	0.13	0.08	0.46	2.85	0.37	0.38	4.08
O5-1B	17-May-06	949	0.16	0.54	0.14	4.71	0.38	0.46	5.29
O5-1B	16-Aug-06	958	0.12	0.40	0.33	1.97	0.36	0.37	5.36
O5-1B	20-Nov-06	1000	0.12	0.27	0.23	2.05	0.37	0.38	5.89
O5-1B	12-Feb-07	1053	0.16	0.31	0.35	3.09	0.43	0.42	5.41
O5-1B	16-Apr-07	1041	0.17	1.30	0.41	11.40	0.38	0.44	6.04

TOC (mgC/L)	TURBIDITY (NTU)	SALINITY (o/oo)	TEMP/F (Deg C)	pH	DO (ppm)	Chl a (µg/L)	ecal 3act/100 m3	Colifor 3act/100 ml	Enterococci 3act/100 ml
1.55	0.08	34.417	27.1	8.269	7.71				
1.18	0.08	34.860	25.6	8.251	7.41				
1.20	0.08	34.250	25.0	8.230	7.60	0.00	11	<1	
1.11	0.11	34.516	25.7	8.234	7.50	0.06	<1	<1	
1.22	0.10	34.574	27.7	8.235	7.38	0.00	<1	<1	
1.01	0.14	34.522	26.0	8.282	7.70	0.30	<1	<1	
1.08	0.11	34.180	25.2	8.249	7.86	0.24	<1	<1	
0.93	0.10	34.323	26.7	8.244	7.53	0.17	<1	<1	
1.02	0.10	34.615	27.4	8.098	7.36	0.12	<1	<1	
1.03	0.09	34.348	26.8	7.954	6.88	0.14	<1	<1	
1.04	0.08	34.136	25.6	7.876	7.31	0.13	<1	<1	
1.10	0.13	34.226	27.2	7.923	7.32	0.08	<1	1	
1.02	0.11	34.385	28.0	8.250	6.76	0.01	<1	<1	
1.02	0.08	34.650	28.1	8.226	7.01	0.08	<1	1	
1.14	0.11	34.691	25.7	8.276	7.41	0.04	<1	<1	
1.08	0.11	34.368	26.6	8.272	7.50	0.09	1	<1	
1.07	0.09	34.625	27.1	8.389	8.21	0.12	<1	2	
1.11	0.15	34.744	27.5	8.442	7.05	0.13	<1	<1	
0.95	0.10	34.973	25.0	8.227	7.71	0.00	<1	<1	
0.99	0.07	35.005	24.2	8.232	7.53	0.10	<1	<1	
1.09	0.09	34.914	26.2	8.237	7.32	0.22	<1	<1	
1.06	0.09	35.104	27.1	8.220	7.23	0.10	21	<1	
1.17	0.11	35.107	25.2	8.237	7.35	0.11	<1	<1	
N/A	0.10	34.604	24.4	8.220	7.90	0.08	<1	<1	
1.07	0.14	34.852	26.0	8.263	7.37	0.09	<1	<1	
1.02	0.14	34.826	26.3	8.288	7.42	0.15	<1	<1	
0.93	0.05	35.108	24.9	8.264	7.65	0.07	<1	<1	
1.12	0.05	34.860	24.4	8.270	7.39	0.10	<1	<1	
0.93	0.08	34.850	26.7	8.283	7.20	0.17	<1	<1	
1.09	0.07	34.909	27.0	8.255	8.88	0.10	2	<1	
1.11	0.11	34.645	24.9	8.216	7.19	0.11	<1	<1	
1.05	0.11	34.780	24.9	7.939	7.35	0.14	<1	<1	
1.12	0.14	34.881	26.6	8.223	7.40	0.16	<1	<1	
1.05	0.07	34.927	27.5	8.223	7.35	0.09	<1	<1	
1.00	0.10	34.668	24.2	8.214	7.11	0.13	<1	<1	
0.94	0.08	34.427	25.5	8.211	7.24	0.08	<1	<1	
1.10	0.06	34.636	26.4	8.223	7.55	0.07	<1	<1	
1.16	0.08	34.888	27.1	8.247	7.37	0.09	<1	519	
1.39	0.23	34.709	25.1	8.263	7.47	0.13	<1	<1	
0.95	0.06	35.000	25.1	8.280	7.28	0.10	<1	<1	
	0.08	34.825	28.3	8.254	6.80	0.05	<1	<1	
	0.08	34.665	27.4	8.234	NO DATA	0.11	<1	<1	
	NO DATA	34.316	25.7	8.260	6.59	0.21	<1	<1	
	NO DATA	33.41	26.8	8.251	7.18	0.01	<1	<1	
	0.08	33.75	27.8	8.258	6.68	0.07	<1	<1	
	0.07	33.80	27.0	8.301	6.52	0.04	<1	<1	
	0.08	34.784	25.7	8.324	6.90	0.11	<1	<1	
	0.08	34.513	25.4	8.303	7.06	0.06	<1	<1	
	0.07	34.740	27.4	8.269	6.67	0.03	<1	<1	

0.96	0.13	34.824	27.3	8.283	6.59	0.06	<1	<1
	0.08	34.847	24.3	8.255	6.88	0.09	<1	<1
1.25	0.13	34.600	24.9	8.263	6.89	0.12	<1	<1
0.92	0.11	34.606	26.7	8.233	7.13	0.14	<1	<1
1.18	0.11	34.797	26.6	8.279	6.85	0.10	<1	<1
1.12	0.24	34.418	24.5	8.233	6.85	0.11	<1	<1
0.88	0.16	34.364	26.5	8.260	6.73	0.06	<1	<1

-134.9	26.0
-144.5	25.4
-150.9	25.9
-155.7	24.4
-160.5	27.3
-162.9	22.4
-159.2	22.8
-128.4	24.3
-95.6	25.4
-83.8	25.8
-47.0	25.1
-62.6	27.1
-108.5	24.2
-115.8	25.8
-87.3	22.1
-86.8	26.1
-83.9	26.1
-83.0	26.1
-74.6	24.7
-74.9	25.0
-84.7	24.4
-86.0	25.9
-90.0	24.3
-92.1	23.2
-73.2	24.3
-77.2	24.7
-75.3	24.3
-77.4	24.7
-81.3	25.5
-85.4	26.2
-85.4	25.2
-69.1	25.0
-85.4	25.7
-88.2	26.7
-86.9	25.0
-86.1	26.6
-87.5	26.4
-86.3	27.3
-87.2	24.8
-86.9	25.4
-86.6	25.6
-94.7	25.2
-88.0	23.8
-93.8	23.4
-98.6	25.5
-100.6	23.4
-86.8	23.6
-87.6	23.5
-91.4	26.1

-83.7	23.0
-86.5	24.0
-86.3	25.5
-88.7	27.2
-93.0	25.7
-90.3	25.5
-91.2	25.5

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O5-2B	26-Jul-93	950	0.15	0.14	0.38	2.64			
O5-2B	6-Dec-93	1123	0.06	0.22	0.05	1.68			
O5-2B	7-Mar-94	1029	0.23	0.55	0.18	5.85			5.73
O5-2B	15-Jun-94	1025	0.21	0.12	0.08	2.69			
O5-2B	9-Sep-94	1040	0.09	0.30	0.15	3.42			
O5-2B	14-Nov-94	924	0.13	0.26	0.55	3.61			
O5-2B	22-Mar-95	1012	0.18	0.19	0.37	2.76			
O5-2B	20-Jun-95	1000	0.11	0.09	0.12	1.64			
O5-2B	28-Sep-95	813	0.07	0.07	0.50	2.21			
O5-2B	14-Nov-95	951	0.16	0.15	0.55	2.08			
O5-2B	12-Mar-96	1029	0.15	0.18	0.58	2.51			
O5-2B	14-May-96	1021	0.11	0.27	0.16	4.57			
O5-2B	31-Jul-96	1050	0.08	0.29	0.45	4.50			
O5-2B	2-Oct-96	1019	0.08	0.04	0.28	2.46			
O5-2B	7-Jan-97	1022	0.11	0.10	0.21	2.21			
O5-2B	28-Apr-97	1044	0.12	0.15	0.39	4.72			
O5-2B	19-Aug-97	1026	0.09	0.27	0.28	3.25			
O5-2B	7-Oct-97	926	0.09	0.08	0.36	3.04			
O5-2B	4-Mar-98	1030	0.11	0.30	0.24	4.51			
O5-2B	5-May-98	1036	0.10	0.21	0.27	16.5			
O5-2B	7-Jul-98	1100	0.12	0.32	0.04	5.60			
O5-2B	6-Oct-98	1011	0.10	0.22	0.10	3.35			
O5-2B	19-Jan-99	1046	0.08	0.21	0.08	4.06			
O5-2B	13-Apr-99	1127	0.14	0.14	0.11	3.67			
O5-2B	16-Aug-99	1100	0.11	0.11	0.46	1.65			
O5-2B	25-Oct-99	1148	0.12	0.27	0.39	6.17			
O5-2B	12-Jan-00	1047	0.10	0.07	0.31	2.29			
O5-2B	11-Apr-00	955	0.12	0.03	0.06	2.76			
O5-2B	25-Jul-00	1102	0.10	0.16	0.05	3.47			
O5-2B	31-Oct-00	1049	0.12	0.03	0.26	2.58			
O5-2B	6-Mar-01	1041	0.13	0.13	0.12	2.41			
O5-2B	8-May-01	1134	0.11	0.12	0.19	4.81			
O5-2B	13-Aug-01	936	0.09	0.02	0.18	1.76			
O5-2B	10-Oct-01	1044	0.15	0.11	0.06	3.08			
O5-2B	6-Mar-02	956	0.15	0.11	0.06	4.53			
O5-2B	15-Apr-02	1002	0.15	0.21	0.07	3.96			
O5-2B	10-Jul-02	957	0.14	0.14	0.12	3.85			
O5-2B	8-Oct-02	1005	0.08	0.52	0.12	6.74			
O5-2B	11-Mar-03	1132	0.09	0.10	0.03	3.01			
O5-2B	23-Apr-03	1000	0.09	<0.03	<0.03	2.15			
O5-2B	21-Aug-03	951	0.10	<0.01	<0.10	2.44			
O5-2B	3-Nov-03	929	0.13	<0.01	0.34	2.30			
O5-2B	18-Mar-04	959	0.15	0.16	0.26	3.03			
O5-2B	24-May-04	1018	0.15	0.24	0.14	3.18			
O5-2B	22-Sep-04	1047	0.07	<0.01	0.26	1.43			
O5-2B	29-Nov-04	956	0.07	0.11	0.14	1.16			
O5-2B	24-Jan-05	1035	0.07	0.20	0.08	3.91			
O5-2B	13-Apr-05	1036	0.12	0.17	0.19	4.61			
O5-2B	21-Jul-05	953	0.04	0.11	0.29	3.76			

O5-2B	13-Oct-05	942	0.05	0.15	0.23	2.10
O5-2B	15-Mar-06	901	0.09	<0.07	0.27	1.78
O5-2B	17-May-06	942	0.12	0.35	0.12	3.23
O5-2B	16-Aug-06	951	0.12	0.34	0.36	2.64
O5-2B	20-Nov-06	952	0.10	0.17	0.35	2.17
O5-2B	14-Feb-07	1046	0.12	0.14	0.39	0.87
O5-2B	16-Apr-07	1036	0.13	0.42	0.33	5.65

TOC (mgC/L)	TURBIDITY (NTU)	SALINITY (o/oo)	TEMP/F (Deg C)	pH	DO (ppm)	Chl a (µg/L)	ecal 3act/100 m	Colifor 3act/100 ml	Enterococci 3act/100 ml
	0.07	34.424	26.8						
	0.08	34.893	25.6						
	0.08	34.170	25.1						
	0.10	34.549	25.8						
	0.10	34.571	27.8						
	0.09	34.627	26.2						
	0.12	34.202	25.2						
	0.07	34.468	26.3						
	0.09	34.604	27.2						
	0.07	34.353	26.8						
	0.07	34.201	25.5						
	0.10	34.276	27.2						
	0.13	34.399	28.0						
	0.10	34.654	28.1						
	0.09	34.724	25.7						
	0.16	34.407	26.7						
	0.11	34.639	27.1						
	0.12	34.748	27.5						
	0.11	34.993	24.9						
	0.08	35.039	24.2						
	0.10	34.939	26.3						
	0.09	35.118	27.0						
	0.09	35.100	25.3						
	0.12	34.670	24.3						
	0.19	34.861	26.0						
	0.11	34.895	26.3						
	0.05	35.117	24.9						
	0.08	34.864	24.4						
	0.07	34.849	26.7						
	0.12	34.951	27.0						
	0.16	34.730	24.9						
	0.08	34.789	24.9						
	0.14	34.883	26.6						
	0.10	34.932	27.5						
	0.08	34.686	24.2						
	0.08	34.482	25.5						
	0.07	34.647	26.4						
	0.12	34.894	27.1						
	0.09	34.708	25.3						
	0.06	34.998	25.0						
	0.06	34.833	28.2						
	0.10	34.653	27.3						
	NO DATA	34.364	25.6						
	NO DATA	33.38	26.7						
	0.08	33.77	27.7						
	0.09	33.79	27.0						
	0.09	34.852	25.6						
	0.11	34.433	25.4						
	0.07	34.707	27.4						

0.12	34.860	27.3
0.06	34.866	24.4
0.25	34.658	24.9
0.15	34.641	26.8
0.11	34.802	26.8
0.14	34.435	24.5
0.29	34.541	26.5

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O5-3B	26-Jul-93	1008	0.11	0.16	0.41	2.69			
O5-3B	6-Dec-93	1115	0.09	0.22	0.06	4.41			
O5-3B	7-Mar-94	1023	0.19	0.20	0.18	2.32			
O5-3B	15-Jun-94	1017	0.22	0.12	0.10	2.76			
O5-3B	9-Sep-94	1035	0.09	0.14	0.15	2.28			
O5-3B	14-Nov-94	921	0.12	0.20	0.55	3.01			
O5-3B	22-Mar-95	1006	0.17	0.18	0.37	2.61			
O5-3B	20-Jun-95	958	0.11	0.06	0.09	2.85			
O5-3B	28-Sep-95	822	0.07	0.03	0.50	1.62			
O5-3B	14-Nov-95	946	0.11	0.03	0.51	7.11			
O5-3B	12-Mar-96	1019	0.14	0.13	0.56	2.22			
O5-3B	14-May-96	1016	0.10	0.21	0.16	3.50			
O5-3B	31-Jul-96	1045	0.08	0.27	0.46	4.32			
O5-3B	2-Oct-96	1014	0.08	0.03	0.28	2.38			
O5-3B	7-Jan-97	1016	0.09	0.08	0.25	4.97			
O5-3B	28-Apr-97	1039	0.11	0.08	0.39	4.20			
O5-3B	19-Aug-97	1022	0.07	0.06	0.29	2.65			
O5-3B	7-Oct-97	919	0.10	0.05	0.33	2.13			
O5-3B	4-Mar-98	1025	0.11	0.24	0.23	4.83			
O5-3B	5-May-98	1032	0.09	0.13	0.24	18.2			
O5-3B	7-Jul-98	1055	0.12	0.27	0.01	10.2			
O5-3B	6-Oct-98	1005	0.10	0.16	0.06	3.44			
O5-3B	19-Jan-99	1041	0.07	0.06	0.03	6.85			
O5-3B	13-Apr-99	1123	0.14	0.11	0.07	2.57			
O5-3B	16-Aug-99	1054	0.12	0.12	0.44	1.51			
O5-3B	25-Oct-99	1143	0.11	0.15	0.31	4.96			
O5-3B	12-Jan-00	1042	0.12	0.03	0.31	2.19			
O5-3B	11-Apr-00	951	0.10	0.02	0.11	2.90			
O5-3B	25-Jul-00	1058	0.11	0.16	0.05	3.18			
O5-3B	31-Oct-00	1045	0.09	0.03	0.25	4.13			
O5-3B	6-Mar-01	1037	0.14	0.10	0.12	2.52			
O5-3B	8-May-01	1130	0.10	0.06	0.24	12.6			
O5-3B	13-Aug-01	931	0.10	0.01	0.17	1.58			
O5-3B	10-Oct-01	1038	0.16	0.10	0.04	3.13			
O5-3B	6-Mar-02	952	0.14	0.09	0.06	5.93			
O5-3B	15-Apr-02	957	0.13	0.32	0.07	4.62			
O5-3B	10-Jul-02	954	0.14	0.04	0.11	2.37			
O5-3B	8-Oct-02	1000	0.08	0.33	0.09	3.14			
O5-3B	11-Mar-03	1126	0.07	<0.03	<0.03	2.70			
O5-3B	23-Apr-03	956	0.10	<0.03	<0.03	2.08			
O5-3B	21-Aug-03	943	0.09	<0.01	<0.10	2.12			
O5-3B	3-Nov-03	922	0.13	<0.01	0.17	2.27			
O5-3B	18-Mar-04	946	0.13	0.16	0.27	2.48			
O5-3B	24-May-04	1013	0.14	0.05	0.09	3.09			
O5-3B	22-Sep-04	1047	0.07	<0.01	0.30	1.58			
O5-3B	29-Nov-04	951	0.09	0.23	0.14	1.68			
O5-3B	24-Jan-05	1030	0.06	0.10	0.08	2.97			
O5-3B	13-Apr-05	1031	0.12	0.10	0.16	2.00			
O5-3B	21-Jul-05	947	0.06	0.42	0.36	5.15			

O5-3B	13-Oct-05	935	0.04	0.02	0.20	4.56
O5-3B	15-Mar-06	855	0.09	<0.07	0.31	2.26
O5-3B	17-May-06	938	0.11	0.15	<0.05	2.18
O5-3B	16-Aug-06	946	0.11	0.31	0.39	1.99
O5-3B	20-Nov-06	946	0.10	0.18	0.20	1.98
O5-3B	14-Feb-07	1039	0.22	0.14	0.45	0.59
O5-3B	16-Apr-07	1030	0.12	0.14	0.36	5.03

TOC (mgC/L)	TURBIDITY (NTU)	SALINITY (o/oo)	TEMP/F (Deg C)	pH	DO (ppm)	Chl a (µg/L)	ecal 3act/100 m	Colifor 3act/100 ml	Enterococci 3act/100 ml
	0.09	34.439	26.8						
	0.08	34.899	25.6						
	0.09	34.281	24.9						
	0.11	34.550	25.9						
	0.09	34.605	27.7						
	0.08	34.647	26.0						
	0.09	34.206	25.3						
	0.07	34.476	26.3						
	0.11	34.610	27.3						
	0.06	34.355	26.8						
	0.05	34.217	25.5						
	0.12	34.310	27.2						
	0.12	34.413	27.9						
	0.09	34.622	28.0						
	0.08	34.735	25.7						
	0.19	34.418	26.7						
	0.11	34.657	27.1						
	0.15	34.758	27.5						
	0.08	35.005	24.9						
	0.11	35.065	24.2						
	0.08	34.961	26.3						
	0.12	35.121	26.9						
	0.08	35.144	25.3						
	0.08	34.683	24.3						
	0.10	34.858	26.0						
	0.09	34.922	26.4						
	0.06	35.135	24.9						
	0.07	34.867	24.4						
	0.07	34.854	26.7						
	0.04	34.963	27.1						
	0.16	34.737	24.9						
	0.07	34.804	24.9						
	0.11	34.888	26.6						
	0.12	34.938	27.5						
	0.11	34.694	24.2						
	0.07	34.493	25.5						
	0.07	34.690	26.5						
	0.07	34.914	27.1						
	0.11	34.713	25.3						
	0.07	35.015	25.0						
	0.06	34.841	28.2						
	0.09	34.662	27.4						
	NO DATA	34.376	25.6						
	NO DATA	33.37	26.7						
	0.08	33.75	27.7						
	0.08	33.79	27.0						
	0.07	35.006	25.6						
	0.11	34.489	25.4						
	0.12	34.634	27.4						

0.10	34.889	27.3
0.08	34.868	24.4
0.09	34.662	25.3
0.18	34.617	26.8
0.13	34.803	26.7
0.13	34.438	24.5
0.23	34.564	26.9

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O5-4B	26-Jul-93	1020	0.11	0.13	0.41	2.81			
O5-4B	6-Dec-93	1106	0.09	0.16	0.05	2.08			
O5-4B	7-Mar-94	1017	0.20	0.13	0.38	1.97			
O5-4B	15-Jun-94	1014	0.22	0.09	0.04	2.14			
O5-4B	9-Sep-94	1033	0.08	0.15	0.19	2.56			
O5-4B	14-Nov-94	919	0.11	0.12	0.59	2.72			
O5-4B	22-Mar-95	959	0.17	0.12	0.36	2.37			
O5-4B	20-Jun-95	950	0.11	0.03	0.07	1.83			
O5-4B	28-Sep-95	831	0.07	0.00	0.49	1.70			
O5-4B	14-Nov-95	941	0.12	0.08	0.49	1.84			
O5-4B	12-Mar-96	1014	0.14	0.10	0.56	2.24			
O5-4B	14-May-96	1012	0.09	0.11	0.19	2.82			
O5-4B	31-Jul-96	1042	0.07	0.19	0.47	4.87			
O5-4B	2-Oct-96	1010	0.08	0.02	0.26	2.00			
O5-4B	7-Jan-97	1011	0.09	0.09	0.21	2.61			
O5-4B	28-Apr-97	1033	0.12	0.07	0.42	7.01			
O5-4B	19-Aug-97	1017	0.08	0.04	0.24	2.93			
O5-4B	7-Oct-97	916	0.09	0.01	0.27	2.76			
O5-4B	4-Mar-98	1018	0.11	0.25	0.24	6.96			
O5-4B	5-May-98	1026	0.08	0.04	0.18	4.05			
O5-4B	7-Jul-98	1051	0.11	0.17	0.01	5.09			
O5-4B	6-Oct-98	1000	0.09	0.08	0.04	3.62			
O5-4B	19-Jan-99	1035	0.07	0.01	0.05	5.20			
O5-4B	13-Apr-99	1117	0.14	0.08	0.07	7.27			
O5-4B	16-Aug-99	1050	0.11	0.08	0.39	1.48			
O5-4B	25-Oct-99	1138	0.10	0.04	0.31	3.22			
O5-4B	12-Jan-00	1038	0.12	0.02	0.31	3.14			
O5-4B	11-Apr-00	946	0.10	0.01	0.06	2.48			
O5-4B	25-Jul-00	1054	0.10	0.16	0.05	3.35			
O5-4B	31-Oct-00	1040	0.09	0.02	0.24	3.07			
O5-4B	6-Mar-01	1029	0.14	0.04	0.12	2.09			
O5-4B	8-May-01	1125	0.10	0.09	0.24	4.83			
O5-4B	13-Aug-01	923	0.10	0.01	0.16	1.59			
O5-4B	10-Oct-01	1034	0.15	0.07	0.04	3.43			
O5-4B	6-Mar-02	948	0.13	0.09	0.06	4.36			
O5-4B	15-Apr-02	952	0.15	0.37	0.06	3.97			
O5-4B	10-Jul-02	949	0.13	0.03	0.12	2.07			
O5-4B	8-Oct-02	956	0.05	0.31	0.09	2.25			
O5-4B	11-Mar-03	1120	0.07	<0.03	<0.03	2.44			
O5-4B	23-Apr-03	951	0.09	<0.03	<0.03	2.87			
O5-4B	21-Aug-03	935	0.08	<0.01	<0.10	2.07			
O5-4B	3-Nov-03	910	0.11	<0.01	0.05	2.14			
O5-4B	18-Mar-04	940	0.11	0.13	0.26	3.39			
O5-4B	24-May-04	1009	0.14	0.27	0.09	4.21			
O5-4B	22-Sep-04	1043	0.07	<0.01	0.28	1.63			
O5-4B	29-Nov-04	947	0.09	0.27	0.14	1.31			
O5-4B	24-Jan-05	1024	0.05	0.01	0.13	2.57			
O5-4B	13-Apr-05	1027	0.11	0.06	0.18	1.93			
O5-4B	21-Jul-05	942	0.04	0.06	0.31	4.54			

O5-4B	13-Oct-05	927	0.04	<0.01	0.20	1.16
O5-4B	15-Mar-06	839	0.08	<0.07	0.31	7.06
O5-4B	17-May-06	932	0.09	0.10	<0.05	1.55
O5-4B	16-Aug-06	942	0.10	0.30	0.32	2.36
O5-4B	20-Nov-06	939	0.09	0.20	0.23	2.06
O5-4B	14-Feb-07	1031	0.13	0.12	0.43	1.12
O5-4B	16-Apr-07	1024	0.11	<0.07	0.36	2.04

TOC (mgC/L)	TURBIDITY (NTU)	SALINITY (o/oo)	TEMP/F (Deg C)	pH	DO (ppm)	Chl a (µg/L)	ecal 3act/100 m	Colifor 3act/100 ml	Enterococci 3act/100 ml
	0.07	34.422	26.8						
	0.08	34.895	25.6						
	0.08	34.301	24.9						
	0.08	34.565	25.6						
	0.07	34.598	27.7						
	0.09	34.649	26.1						
	0.09	34.221	25.2						
	0.06	34.475	26.2						
	0.11	34.609	27.3						
	0.05	34.358	26.7						
	0.06	34.234	25.5						
	0.08	34.350	27.0						
	0.10	34.424	27.9						
	0.09	34.611	28.0						
	0.08	34.742	25.6						
	0.15	34.423	26.6						
	0.14	34.661	27.1						
	0.08	34.755	27.5						
	0.12	34.994	24.9						
	0.13	35.087	24.2						
	0.09	34.986	26.3						
	0.07	35.127	27.1						
	0.09	35.145	25.3						
	0.08	34.684	24.3						
	0.11	34.860	26.1						
	0.14	34.942	26.5						
	0.04	35.122	24.9						
	0.06	34.863	24.4						
	0.07	34.842	26.7						
	0.07	34.978	27.1						
	0.07	34.745	24.8						
	0.09	34.826	24.8						
	0.15	34.893	26.4						
	0.09	34.930	27.5						
	0.09	34.727	24.2						
	0.09	34.491	25.5						
	0.07	34.700	26.5						
	0.09	34.924	27.1						
	0.10	34.714	25.2						
	0.06	35.037	25.0						
	0.07	34.842	28.2						
	0.07	34.625	27.0						
	NO DATA	34.411	25.6						
	NO DATA	33.38	26.8						
	0.06	33.72	27.6						
	0.05	33.75	27.0						
	0.09	34.721	25.6						
	0.10	34.464	25.4						
	0.11	34.721	27.4						

0.14	34.925	27.3
0.11	34.859	24.3
0.10	34.697	24.8
0.14	34.624	26.8
0.13	34.834	26.7
0.27	34.438	24.7
0.14	34.672	25.5

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O5-5B	26-Jul-93	1031	0.08	0.05	0.38	3.54			
O5-5B	6-Dec-93	1057	0.08	0.12	0.06	2.21			
O5-5B	7-Mar-94	1010	0.18	0.08	0.27	1.66			
O5-5B	15-Jun-94	1011	0.20	0.03	0.08	2.88			
O5-5B	9-Sep-94	1023	0.07	0.09	0.27	2.31			
O5-5B	14-Nov-94	915	0.12	0.09	0.55	2.40			
O5-5B	22-Mar-95	957	0.26	0.22	0.45	6.70			
O5-5B	20-Jun-95	947	0.11	0.05	0.07	1.95			
O5-5B	28-Sep-95	841	0.06	0.01	0.48	1.98			
O5-5B	14-Nov-95	936	0.11	0.12	0.53	2.01			
O5-5B	12-Mar-96	1009	0.14	0.04	0.58	2.08			
O5-5B	14-May-96	1006	0.10	0.10	0.22	2.34			
O5-5B	31-Jul-96	1038	0.06	0.10	0.47	5.53			
O5-5B	2-Oct-96	1005	0.07	0.04	0.33	2.03			
O5-5B	7-Jan-97	1006	0.09	0.02	0.25	3.11			
O5-5B	28-Apr-97	1027	0.09	0.14	0.45	2.91			
O5-5B	19-Aug-97	1010	0.08	0.08	0.28	3.15			
O5-5B	7-Oct-97	911	0.10	0.02	0.40	2.12			
O5-5B	4-Mar-98	1010	0.11	0.20	0.29	4.00			
O5-5B	5-May-98	1019	0.08	0.16	0.31	3.85			
O5-5B	7-Jul-98	1045	0.11	0.09	0.02	4.80			
O5-5B	6-Oct-98	955	0.08	0.03	0.01	1.47			
O5-5B	19-Jan-99	1030	0.07	0.02	0.13	2.53			
O5-5B	13-Apr-99	1111	0.15	0.18	0.09	3.61			
O5-5B	16-Aug-99	1042	0.12	0.10	0.48	1.43			
O5-5B	25-Oct-99	1134	0.10	0.14	0.33	7.06			
O5-5B	12-Jan-00	1029	0.11	0.04	0.34	2.57			
O5-5B	11-Apr-00	941	0.09	0.01	0.06	2.34			
O5-5B	25-Jul-00	1048	0.10	0.13	0.05	2.99			
O5-5B	31-Oct-00	1034	0.09	0.03	0.25	2.26			
O5-5B	6-Mar-01	1022	0.13	0.03	0.12	5.33			
O5-5B	8-May-01	1122	0.10	0.07	0.22	2.52			
O5-5B	13-Aug-01	918	0.10	0.01	0.16	1.65			
O5-5B	10-Oct-01	1027	0.15	0.06	0.04	4.27			
O5-5B	6-Mar-02	944	0.18	0.08	0.06	8.34			
O5-5B	15-Apr-02	945	0.13	0.17	0.05	2.84			
O5-5B	10-Jul-02	942	0.12	0.05	0.18	2.57			
O5-5B	8-Oct-02	949	0.09	0.14	0.15	2.39			
O5-5B	11-Mar-03	1111	0.09	0.07	<0.03	2.56			
O5-5B	23-Apr-03	946	0.11	<0.03	<0.03	1.62			
O5-5B	21-Aug-03	927	0.09	<0.01	<0.10	2.03			
O5-5B	3-Nov-03	900	0.11	<0.01	0.09	2.20			
O5-5B	18-Mar-04	928	0.11	0.14	0.24	1.72			
O5-5B	24-May-04	1004	0.12	0.03	0.09	2.58			
O5-5B	22-Sep-04	1038	0.07	<0.01	0.26	1.58			
O5-5B	29-Nov-04	943	0.08	0.02	0.12	1.09			
O5-5B	24-Jan-05	1018	0.04	<0.01	0.08	1.75			
O5-5B	13-Apr-05	1021	0.11	0.06	0.15	2.61			
O5-5B	21-Jul-05	936	0.04	<0.01	0.35	2.96			

O5-5B	13-Oct-05	921	0.04	<0.01	0.20	3.66
O5-5B	15-Mar-06	843	0.08	<0.07	0.31	1.33
O5-5B	17-May-06	927	0.09	<0.07	<0.05	2.03
O5-5B	16-Aug-06	938	0.10	0.25	0.33	2.30
O5-5B	20-Nov-06	933	0.09	0.19	0.34	1.98
O5-5B	14-Feb-07	1022	0.12	0.14	0.35	0.66
O5-5B	16-Apr-07	1017	0.11	<0.07	0.30	1.83

TOC (mgC/L)	TURBIDITY (NTU)	SALINITY (o/oo)	TEMP/F (Deg C)	pH	DO (ppm)	Chl a (µg/L)	ecal 3act/100 m	Colifor 3act/100 ml	Enterococci 3act/100 ml
	0.08	34.428	26.9						
	0.07	34.896	25.6						
	0.07	34.303	25.0						
	0.10	34.554	26.0						
	0.07	34.605	27.7						
	0.07	34.649	26.0						
	0.11	34.229	25.3						
	0.06	34.475	26.3						
	0.18	34.613	27.2						
	0.06	34.359	26.7						
	0.09	34.234	25.4						
	0.12	34.400	26.8						
	0.08	34.444	27.9						
	0.08	34.666	27.8						
	0.11	34.760	25.6						
	0.10	34.433	26.5						
	0.11	34.669	27.0						
	0.13	34.754	27.5						
	0.08	35.019	24.9						
	0.12	35.062	24.2						
	0.13	35.003	26.3						
	0.07	35.122	27.1						
	0.08	35.151	25.2						
	0.09	34.667	24.4						
	0.10	34.866	26.1						
	0.13	34.937	26.3						
	0.06	35.134	24.8						
	0.06	34.866	24.4						
	0.18	34.853	26.7						
	0.08	34.965	27.1						
	0.11	34.733	24.8						
	0.08	34.858	24.7						
	0.13	34.895	26.3						
	0.12	34.947	27.4						
	0.05	34.708	24.2						
	0.06	34.500	25.5						
	0.06	34.704	26.5						
	0.06	34.948	27.1						
	0.12	34.721	25.2						
	0.09	35.021	25.0						
	0.06	34.829	28.3						
	0.09	34.634	27.1						
	NO DATA	34.426	25.7						
	NO DATA	33.27	26.7						
	0.06	33.68	27.6						
	0.04	33.75	27.0						
	0.08	34.853	25.6						
	0.07	34.483	25.4						
	0.06	34.758	27.3						

0.10	34.905	27.1
0.08	34.873	24.5
0.08	34.692	25.4
0.17	34.594	26.7
0.14	34.789	26.4
0.16	34.427	24.7
0.25	34.673	25.5