

NELHA Water Quality Laboratory

Transect 3

July 2024 - June 2025

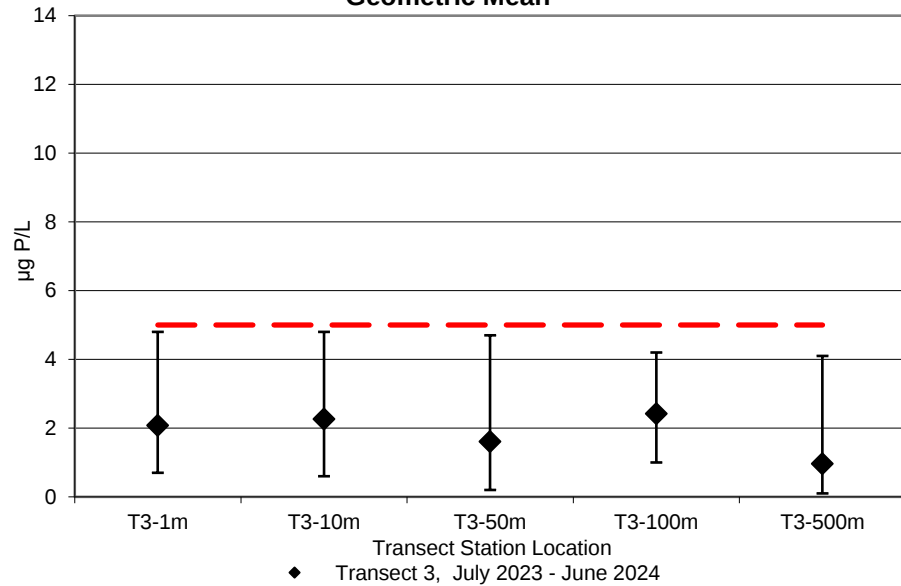
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a	ORP
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)	(mV)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30	
T3-1m	8/7/24	1213	0.1	Low	0.15	4.7	0.51	7.1	0.06	0.9	2.9	81	0.27	8.3	4.7	66	0.11	34.74	26.8	8.13	6.98	0.17	230.7
T3-1m	12/18/24	1048	0.8	Ebb	0.15	4.8	0.50	7.0	0.23	3.2	1.5	43	0.28	8.7	6.6	93	0.10	34.86	25.8	8.15	7.10	0.14	246.7
T3-1m	3/5/25	1136	0.1	Ebb	0.02	0.7	0.37	5.2	0.08	1.1	0.9	26	0.15	4.6	5.3	75	0.13	35.00	25.5	8.14	7.11	0.22	221.3
T3-1m	6/20/25	1000	1.0	Flood	0.04	1.2	0.50	7.0	0.22	3.1	1.4	39	0.19	5.9	6.8	95	0.11	34.87	26.4	8.04	6.89	0.24	250.7
Geomear	FY '24				0.07	2.1	0.47	6.5	0.1	1.8			0.2	6.7	5.8	81	0.11					0.19	
T3-10m	8/7/24	1219	0.1	Low	0.15	4.6	0.49	6.9	0.04	0.6	2.1	60	0.26	8.2	5.2	73	0.12	34.74	26.9	8.13	6.97	0.19	230.8
T3-10m	12/18/24	1053	0.8	Ebb	0.15	4.8	0.40	5.6	0.20	2.8	1.3	37	0.28	8.8	5.0	70	0.09	34.86	25.8	8.15	7.12	0.14	256.4
T3-10m	3/5/25	1140	0.1	Ebb	0.02	0.6	0.31	4.3	0.01	0.1	0.7	19	0.16	4.9	5.7	80	0.10	35.00	25.6	8.14	7.07	0.26	229.1
T3-10m	6/20/25	1004	1.0	Flood	0.06	2.0	0.49	6.9	0.19	2.6	1.4	40	0.18	5.7	5.6	79	0.11	34.87	26.4	8.04	6.93	0.25	250.1
Geomear	FY '24				0.07	2.3	0.42	5.8	0.1	0.8			0.2	6.7	5.4	75	0.11					0.20	
T3-50m	8/7/24	1225	0.1	Low	0.12	3.6	0.28	3.9	0.07	1.0	1.4	38	0.26	7.9	5.2	74	0.11	34.75	26.9	8.12	6.88	0.19	232.0
T3-50m	12/18/24	1058	0.8	Ebb	0.15	4.7	0.12	1.7	0.17	2.4	0.6	18	0.26	8.1	4.8	68	0.06	34.89	25.8	8.15	6.78	0.11	261.7
T3-50m	3/5/25	1146	0.1	Ebb	0.01	0.2	0.10	1.4	0.03	0.4	0.3	8	0.15	4.8	5.1	72	0.09	35.01	25.9	8.13	6.87	0.30	231.1
T3-50m	6/20/25	1008	1.0	Flood	0.06	2.0	0.50	7.0	0.11	1.6	1.4	40	0.17	5.4	6.0	84	0.11	34.88	26.5	8.04	6.80	0.27	249.0
Geomear	FY '24				0.05	1.6	0.20	2.8	0.1	1.1			0.2	6.4	5.3	74	0.09					0.20	
T3-100m	8/7/24	1234	0.1	Low	0.13	4.1	0.04	0.6	0.21	3.0	0.6	18	0.26	8.0	4.3	60	0.11	34.79	27.1	8.12	6.70	0.12	231.6
T3-100m	12/18/24	1103	0.8	Ebb	0.14	4.2	0.04	0.6	0.15	2.1	0.5	14	0.26	7.9	5.2	73	0.08	34.89	25.9	8.14	6.72	0.11	264.5
T3-100m	3/5/25	1151	0.1	Ebb	0.06	2.0	0.08	1.1	0.06	0.9	0.5	15	0.15	4.5	5.2	73	0.09	35.01	26.3	8.12	6.80	0.36	232.7
T3-100m	6/20/25	1012	1.0	Flood	0.03	1.0	0.19	2.7	0.01	0.1	1.1	31	0.17	5.4	6.3	88	0.10	34.88	26.4	8.05	6.74	0.25	249.3
Geomear	FY '24				0.08	2.4	0.07	1.0	0.1	0.9			0.2	6.3	5.2	73	0.09					0.19	
T3-500m	8/7/24	1241	0.1	Low	0.12	3.6	0.01	0.1	0.11	1.5	0.0	1	0.26	8.1	4.51	63	0.13	34.82	27.5	8.11	6.64	0.10	231.3
T3-500m	12/18/24	1111	0.8	Ebb	0.13	4.1	0.02	0.3	0.16	2.3	0.4	11	0.27	8.4	5.03	71	0.06	34.90	25.9	8.15	6.72	0.12	266.7
T3-500m	3/5/25	1200	0.1	Ebb	0.00	0.1	0.05	0.7	0.01	0.1	0.2	7	0.16	5.1	5.58	78	0.08	35.01	26.3	8.13	6.80	0.25	235.7
T3-500m	6/20/25	1018	1.0	Flood	0.02	0.6	0.04	0.5	0.11	1.5	0.0	1	0.18	5.5	5.88	82	0.10	34.88	26.9	8.05	6.72	0.17	250.0
Geomear	FY '24				0.03	1.0	0.02	0.3	0.1	0.8			0.2	6.6	5.2	73	0.09					0.15	

NELHA Water Quality Laboratory

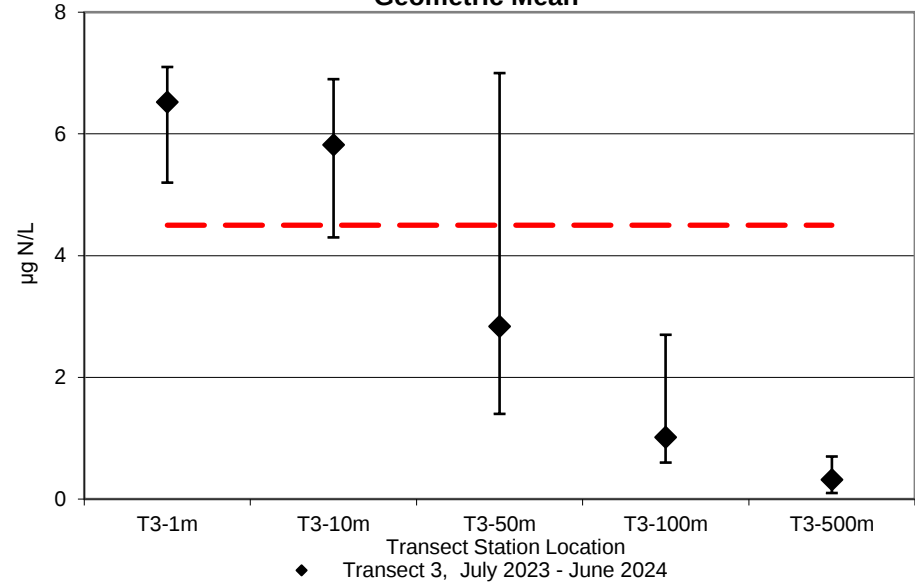
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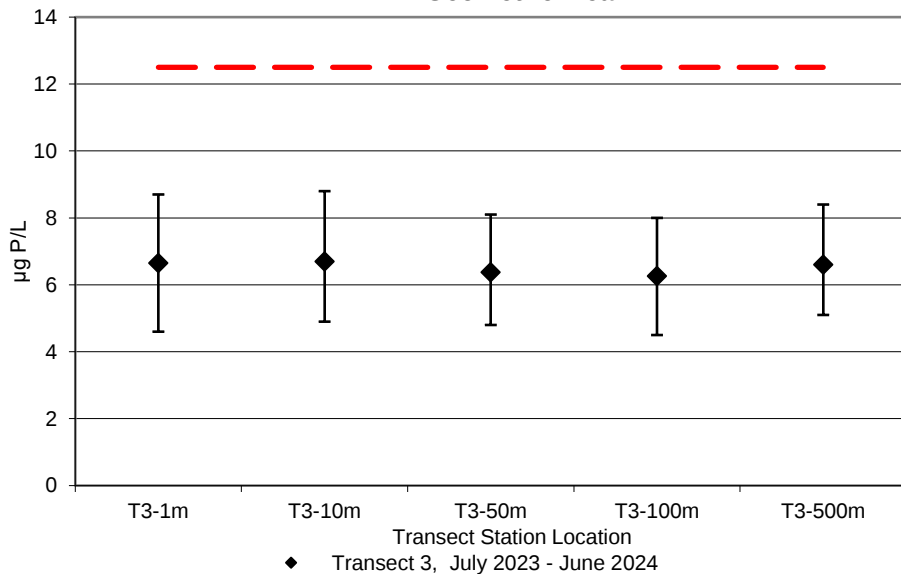
Ortho-Phosphate Geometric Mean



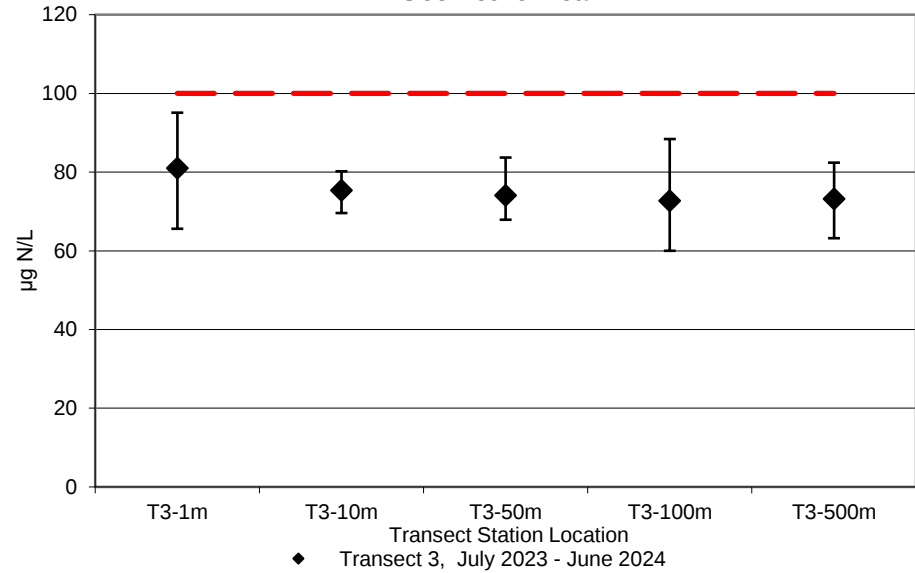
Nitrate + Nitrite Geometric Mean



Total Dissolved Phosphorous Geometric Mean



Total Dissolved Nitrogen Geometric Mean

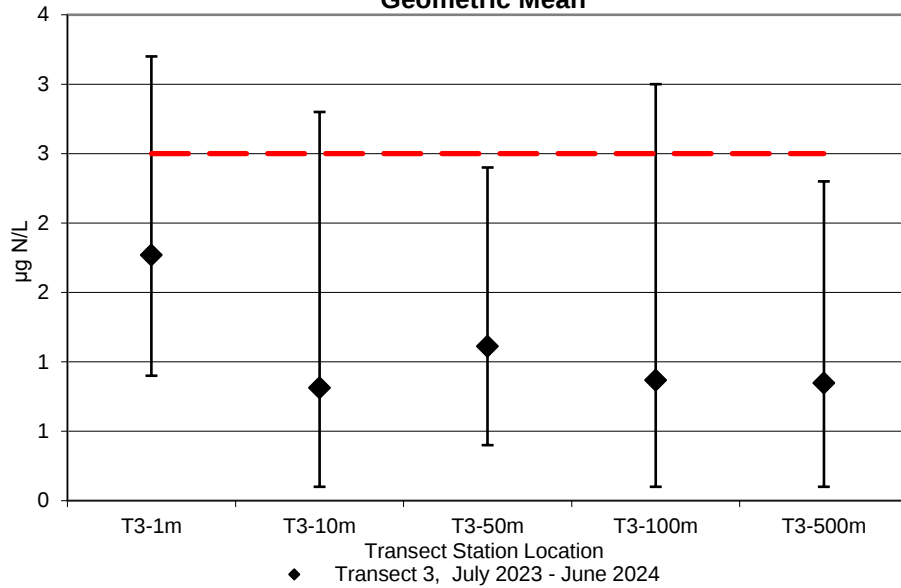


NELHA Water Quality Laboratory

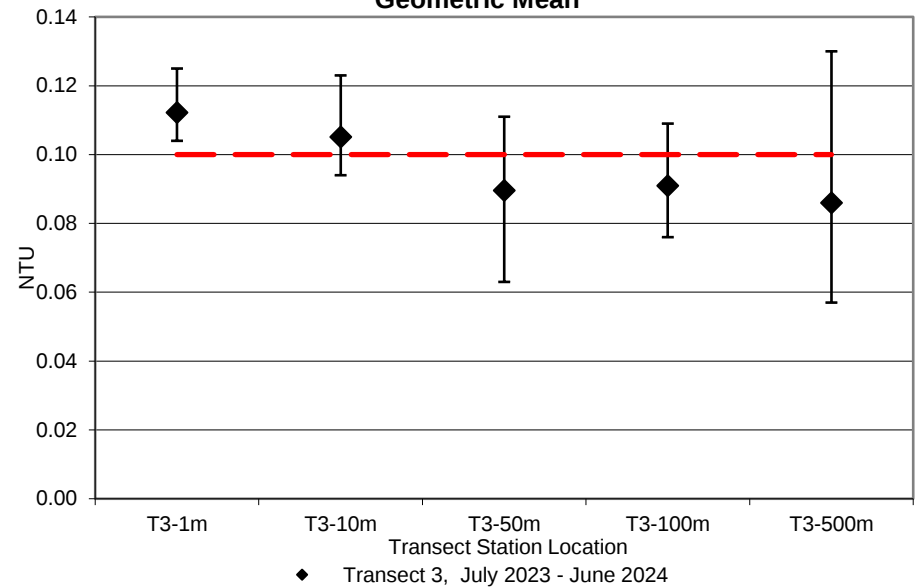
Transect 3

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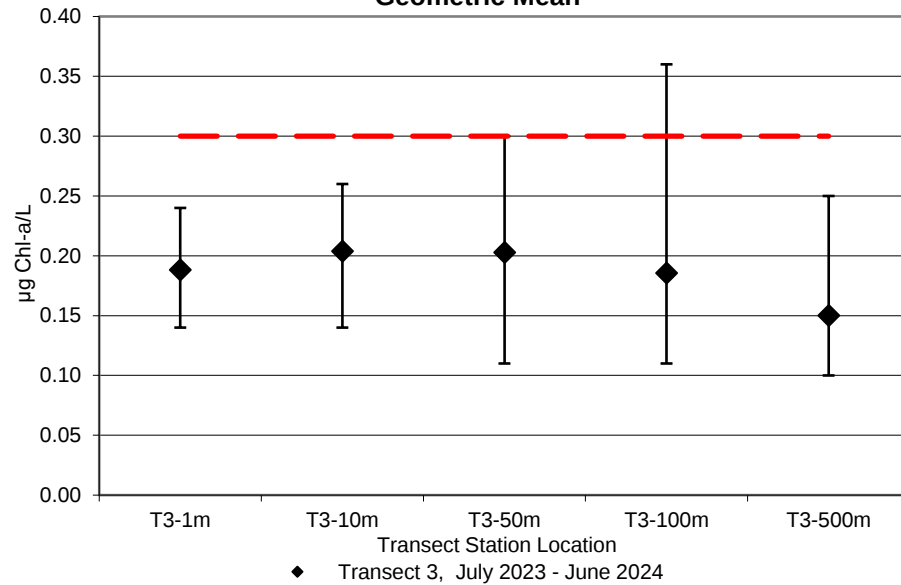
Total Ammonia Geometric Mean



Turbidity Geometric Mean



Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

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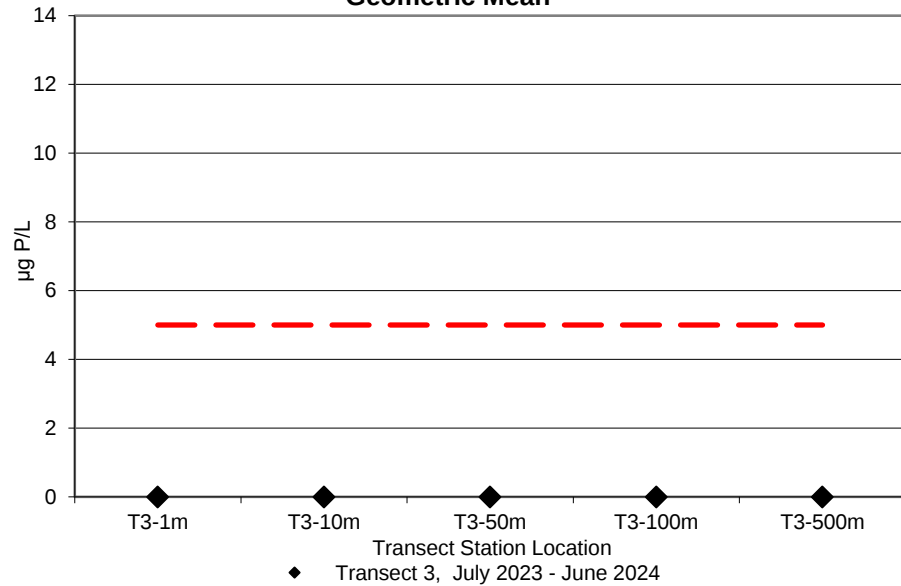
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a	ORP
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)	(mV)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30	
T3-1m	9/13/23	1007	0.2	Flood	0.09	2.9	0.39	5.4	0.25	3.5	1.9	53	0.27	8.4	5.3	75	0.14	34.79	26.8	8.09	6.86	0.38	169.9
T3-1m	12/6/23	1026	1.5	High	0.09	2.7	0.30	4.2	0.35	4.9	0.8	22	0.27	8.5	4.5	64	0.14	34.99	26.5	8.12	6.99	0.18	173.4
T3-1m	2/21/24	1100	0.4	Flood	-0.09	-2.9	0.67	9.4	0.24	3.3	0.8	23	0.07	2.3	5.5	77	0.12	35.06	25.1	8.11	7.13	0.14	188.2
T3-1m	6/18/24	1056	1.1	Flood	0.16	5.0	0.51	7.2	0.36	5.1	2.1	58	0.32	9.8	4.9	68	0.20	34.88	26.5	8.10	6.95	0.13	208.6
Geomear FY '24					#NUM!	#NUM!	0.45	6.3	0.3	4.1			0.2	6.3	5.0	71	0.15					0.19	
T3-10m	9/13/23	1012	0.2	Flood	0.10	3.0	0.43	6.0	0.16	2.3	2.1	59	0.23	7.2	5.5	78	0.14	34.79	26.9	8.09	6.86	0.35	169.8
T3-10m	12/6/23	1030	1.5	High	0.04	1.2	0.25	3.5	0.49	6.9	0.8	22	0.31	9.6	5.1	72	0.13	35.00	26.5	8.12	6.89	0.20	180.1
T3-10m	2/21/24	1106	0.4	Flood	-0.01	-0.2	0.43	6.0	0.25	3.5	0.1	3	0.05	1.4	5.2	74	0.13	35.08	25.1	8.11	6.96	0.16	191.2
T3-10m	6/18/24	1103	1.1	Flood	0.15	4.7	0.61	8.6	0.46	6.5	2.1	58	0.32	9.8	5.3	75	0.15	34.88	26.5	8.10	6.91	0.19	221.2
Geomear FY '24					#NUM!	#NUM!	0.41	5.7	0.3	4.4			0.2	5.5	5.3	74	0.14					0.21	
T3-50m	9/13/23	1016	0.2	Flood	0.10	3.0	0.31	4.4	0.08	1.1	1.5	42	0.20	6.2	5.3	74	0.16	34.81	27.0	8.09	6.83	0.33	172.2
T3-50m	12/6/23	1035	1.5	High	0.02	0.7	0.20	2.8	0.44	6.1	0.7	21	0.29	9.1	4.8	67	0.14	35.00	26.6	8.12	6.75	0.20	183.3
T3-50m	2/21/24	1112	0.4	Flood	-0.05	-1.5	0.29	4.1	0.16	2.2	-0.1	-3	0.15	4.5	5.0	71	0.15	35.08	25.1	8.11	6.85	0.15	193.1
T3-50m	6/18/24	1111	1.1	Flood	0.16	4.9	0.47	6.6	0.39	5.5	2.0	57	0.29	9.0	5.0	70	0.14	34.88	26.5	8.10	6.80	0.14	225.7
Geomear FY '24					#NUM!	#NUM!	0.31	4.3	0.2	3.0			0.2	6.9	5.0	70	0.15					0.19	
T3-100m	9/13/23	1022	0.2	Flood	0.12	3.7	0.15	2.1	0.00	0.0	0.6	16	0.22	6.8	5.4	75	0.25	34.84	26.9	8.09	6.73	0.21	169.7
T3-100m	12/6/23	1040	1.5	High	0.20	6.2	0.15	2.1	0.27	3.8	0.7	20	0.25	7.7	4.6	65	0.13	35.00	26.5	8.12	6.76	0.21	184.9
T3-100m	2/21/24	1118	0.4	Flood	-0.10	-3.2	0.21	3.0	0.14	1.9	-0.6	-18	0.12	3.7	5.0	70	0.11	35.09	25.1	8.11	6.80	0.17	194.0
T3-100m	6/18/24	1117	1.1	Flood	0.15	4.8	0.23	3.2	0.30	4.2	1.8	51	0.31	9.6	4.3	60	0.17	34.89	26.5	8.10	6.78	0.15	227.8
Geomear FY '24					#NUM!	#NUM!	0.18	2.6	#NUM!	#NUM!			0.2	6.6	4.8	67	0.16					0.18	
T3-500m	9/13/23	1030	0.2	Flood	0.05	1.6	0.19	2.7	0.07	1.0	1.1	32	0.21	6.6	5.17	72	0.12	34.80	27.4	8.09	6.69	0.42	167.8
T3-500m	12/6/23	1048	1.5	High	0.11	3.5	0.12	1.7	0.17	2.4	0.9	27	0.32	9.9	5.85	82	0.11	34.96	26.6	8.12	6.65	0.25	187.8
T3-500m	2/21/24	1129	0.4	Flood	-0.03	-0.8	0.15	2.1	0.14	1.9	-0.2	-6	0.15	4.5	5.60	79	0.14	35.09	25.1	8.11	6.79	0.20	195.7
T3-500m	6/18/24	1128	1.1	Flood	0.13	4.0	0.26	3.6	0.29	4.1	2.9	82	0.30	9.4	4.75	67	0.15	34.82	26.7	8.10	6.67	0.16	229.2
Geomear FY '24					#NUM!	#NUM!	0.17	2.4	0.1	2.1			0.2	7.3	5.3	75	0.13					0.24	

NELHA Water Quality Laboratory

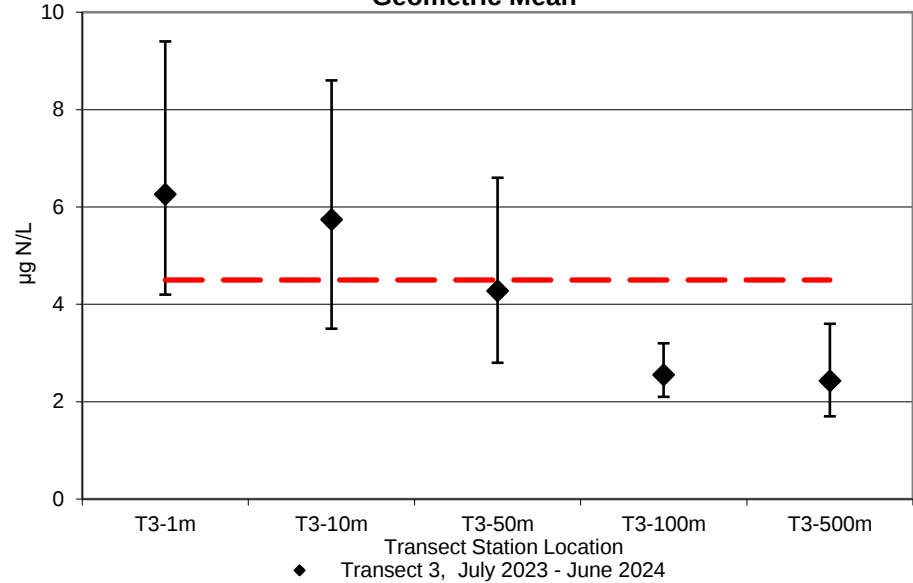
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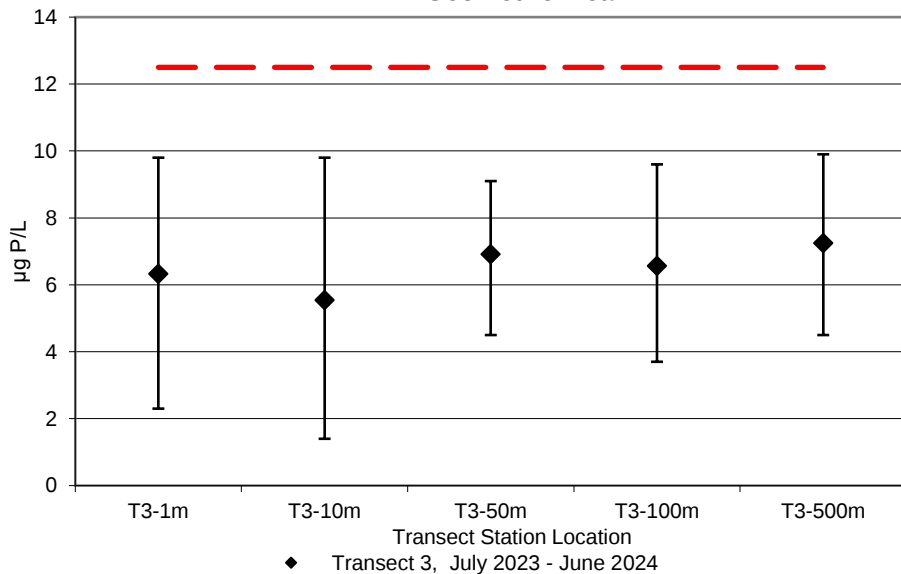
**Ortho-Phosphate
Geometric Mean**



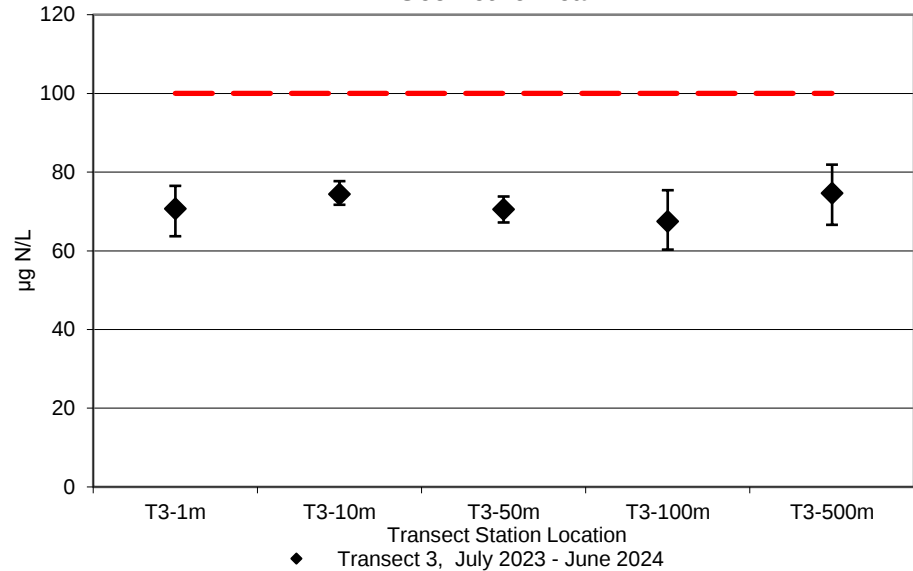
**Nitrate + Nitrite
Geometric Mean**



**Total Dissolved Phosphorous
Geometric Mean**



**Total Dissolved Nitrogen
Geometric Mean**

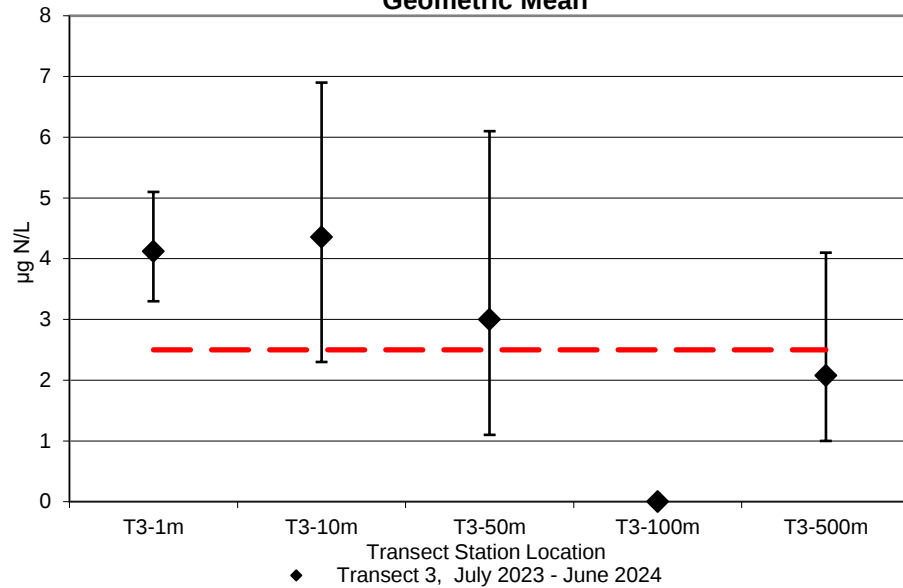


NELHA Water Quality Laboratory

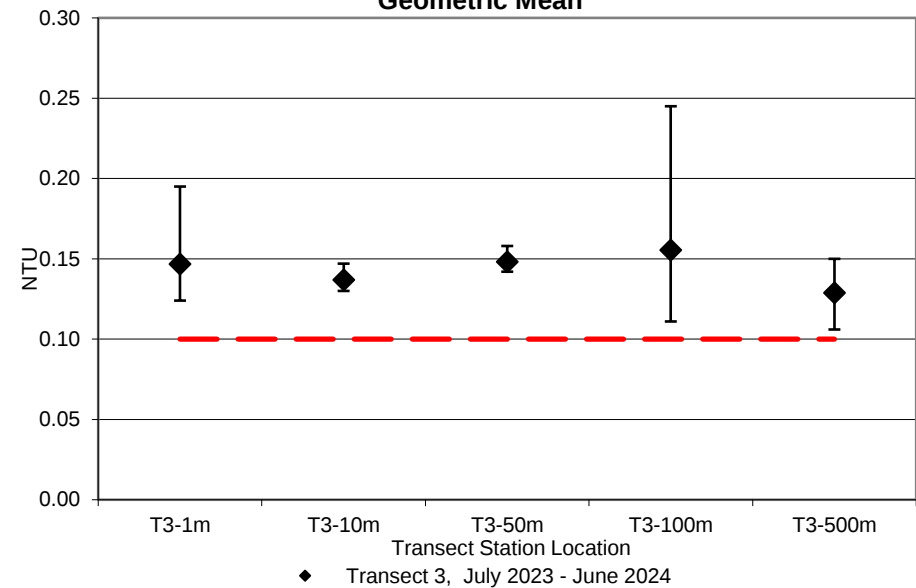
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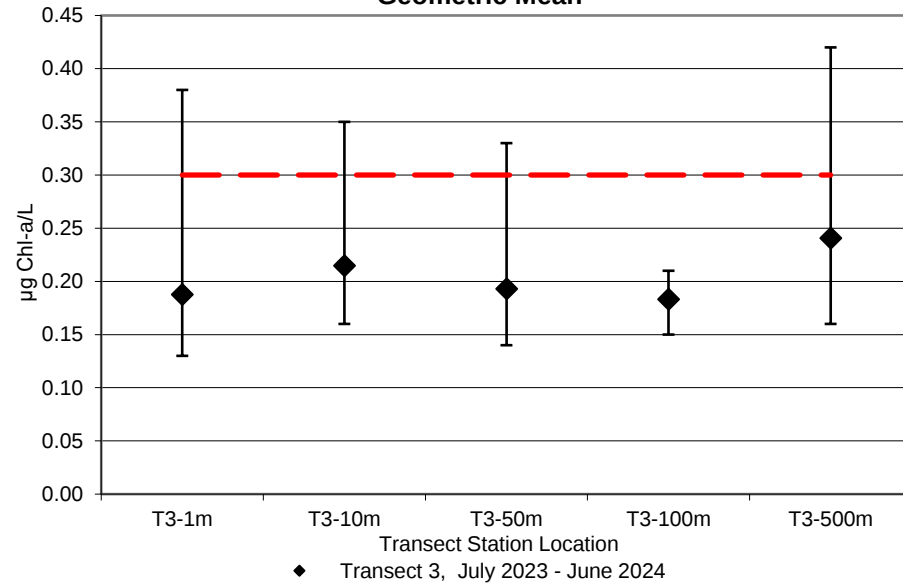
Total Ammonia Geometric Mean



Turbidity Geometric Mean



Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2022 - June 2023

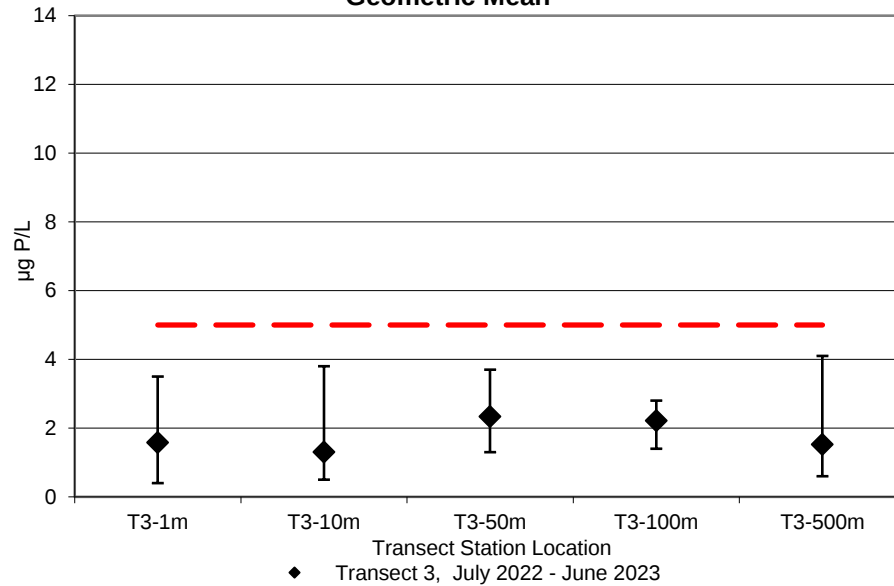
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	9/21/22	957	1.0	Flood	0.01	0.4	0.29	4.1	0.05	0.7	0.5	13	0.28	8.6	5.3	74	0.11	34.93	27.0	8.13	6.91	0.19
T3-1m	12/27/22	1026	0.4	Ebb	0.08	2.5	0.27	3.8	0.08	1.1	0.6	18	0.17	5.4	5.1	72	0.07	34.96	25.7	8.14	7.02	0.25
T3-1m	3/15/23	935	0.6	Ebb	0.11	3.5	0.45	6.3	0.11	1.6	2.1	59	0.26	8.1	5.9	83	0.08	34.69	24.5	8.09	7.13	0.28
T3-1m	5/15/23	1013	0.6	Flood	0.06	1.8	0.41	5.8	0.11	1.6	1.8	50	0.20	6.1	4.2	59	0.10	34.72	25.7	8.07	6.97	0.14
Geomear FY '23					0.05	1.6	0.35	4.9	0.1	1.2			0.2	6.9	5.1	71	0.09					0.21
T3-10m	9/21/22	1002	1.0	Flood	0.04	1.1	0.30	4.2	0.21	2.9	0.4	10	0.26	8	4.5	63	0.19	34.93	27.0	8.12	6.77	0.20
T3-10m	12/27/22	1030	0.4	Ebb	0.02	0.5	0.27	3.8	0.15	2.1	0.6	18	0.17	5.3	4.9	69	0.11	34.96	25.7	8.14	6.96	0.21
T3-10m	3/15/23	939	0.6	Ebb	0.12	3.8	0.56	7.8	0.16	2.2	2.3	65	0.23	7.1	4.8	67	0.13	34.70	24.5	8.09	7.06	0.20
T3-10m	5/15/23	1017	0.6	Flood	0.05	1.4	0.44	6.1	0.24	3.3	1.5	43	0.20	6.3	4.6	64	0.13	34.72	25.7	8.07	6.93	0.14
Geomear FY '23					0.04	1.3	0.37	5.2	0.2	2.6			0.2	6.6	4.7	66	0.14					0.19
T3-50m	9/21/22	1008	1.0	Flood	0.08	2.5	0.11	1.6	0.08	1.1	0.0	-1	0.21	6.4	3.9	54	0.11	34.93	27.0	8.13	6.70	0.23
T3-50m	12/27/22	1035	0.4	Ebb	0.08	2.5	0.11	1.5	0.05	0.7	0.2	7	0.16	5.1	4.8	67	0.10	34.96	25.8	8.14	6.78	0.28
T3-50m	3/15/23	944	0.6	Ebb	0.12	3.7	0.51	7.2	0.19	2.7	2.7	76	0.23	7.1	5.2	73	0.15	34.68	24.5	8.09	7.00	0.33
T3-50m	5/15/23	1022	0.6	Flood	0.04	1.3	0.37	5.2	0.19	2.7	2.0	56	0.22	6.7	6.3	88	0.12	34.69	25.7	8.08	6.98	0.17
Geomear FY '23					0.08	2.3	0.22	3.1	0.1	1.5			0.2	6.3	5.0	69	0.12					0.25
T3-100m	9/21/22	1015	1.0	Flood	0.08	2.5	0.05	0.7	0.09	1.2	-0.3	-7	0.21	6.6	3.9	54	0.16	34.94	26.9	8.13	6.73	0.22
T3-100m	12/27/22	1039	0.4	Ebb	0.08	2.5	0.06	0.8	0.11	1.5	0.3	8	0.17	5.2	4.7	66	0.08	34.96	25.9	8.14	6.73	0.29
T3-100m	3/15/23	950	0.6	Ebb	0.09	2.8	0.15	2.1	0.16	2.2	1.4	38	0.21	6.5	5.0	70	0.12	34.72	24.7	8.10	6.93	0.29
T3-100m	5/15/23	1028	0.6	Flood	0.05	1.4	0.36	5.1	0.09	1.3	2.9	80	0.21	6.4	4.6	65	0.12	34.67	25.8	8.08	6.77	0.19
Geomear FY '23					0.07	2.2	0.11	1.6	0.1	1.5			0.2	6.1	4.5	63	0.12					0.24
T3-500m	9/21/22	1022	1.0	Flood	0.03	0.9	0.09	1.3	0.21	3.0	0.2	6	0.19	5.8	4.45	62	0.14	34.92	27.1	8.13	6.67	0.22
T3-500m	12/27/22	1045	0.4	Ebb	0.08	2.5	0.08	1.1	0.01	0.2	0.4	13	0.19	5.8	5.00	70	0.09	34.95	25.8	8.15	6.72	0.24
T3-500m	3/15/23	959	0.6	Ebb	0.13	4.1	1.05	14.7	0.09	1.2	7.0	198	0.25	7.8	5.64	79	0.11	34.49	24.7	8.08	6.84	0.43
T3-500m	5/15/23	1035	0.6	Flood	0.02	0.6	0.11	1.5	0.06	0.8	1.2	35	0.20	6.2	4.95	69	0.09	34.73	26.0	8.09	6.77	0.19
Geomear FY '23					0.05	1.5	0.17	2.4	0.1	0.9			0.2	6.4	5.0	70	0.11					0.26

NELHA Water Quality Laboratory

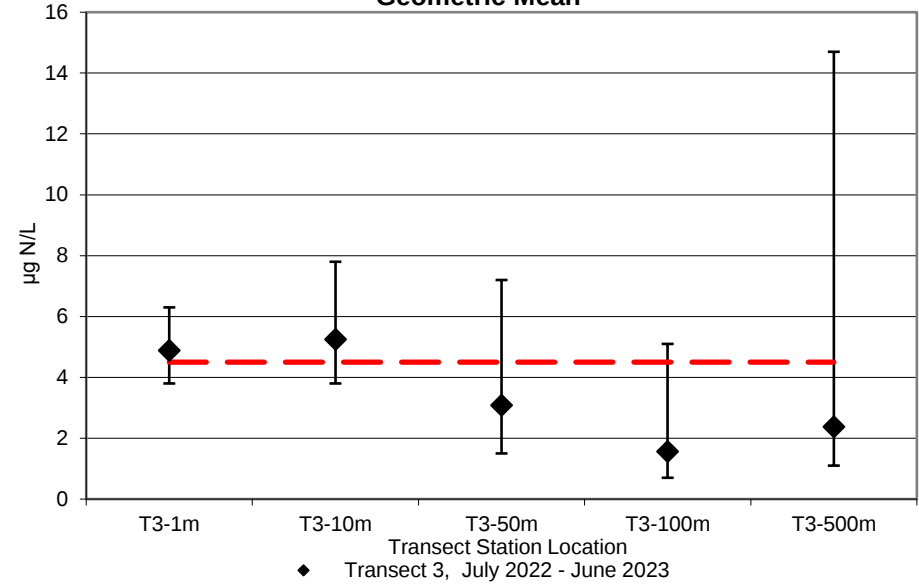
Transect 3

July 2022 - June 2023

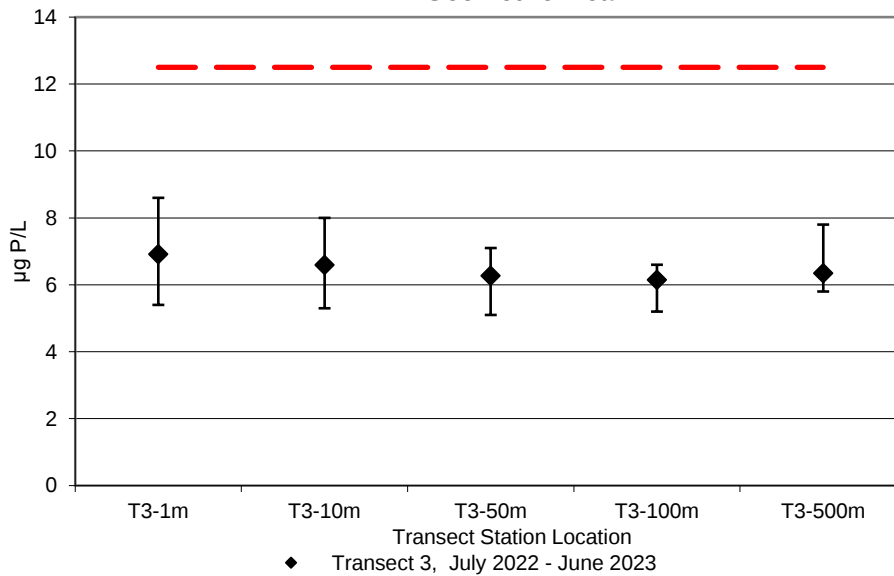
**Ortho-Phosphate
Geometric Mean**



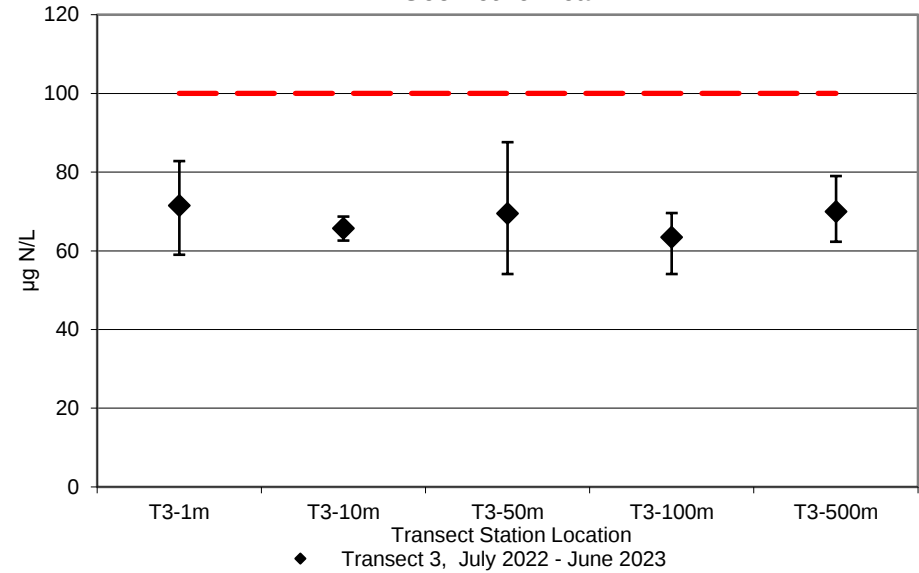
**Nitrate + Nitrite
Geometric Mean**



**Total Dissolved Phosphorous
Geometric Mean**



**Total Dissolved Nitrogen
Geometric Mean**

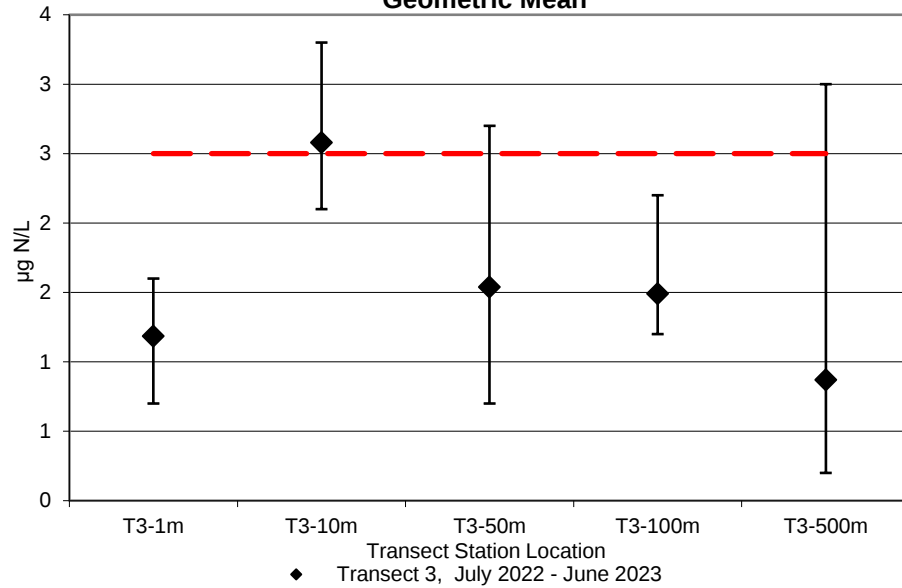


NELHA Water Quality Laboratory

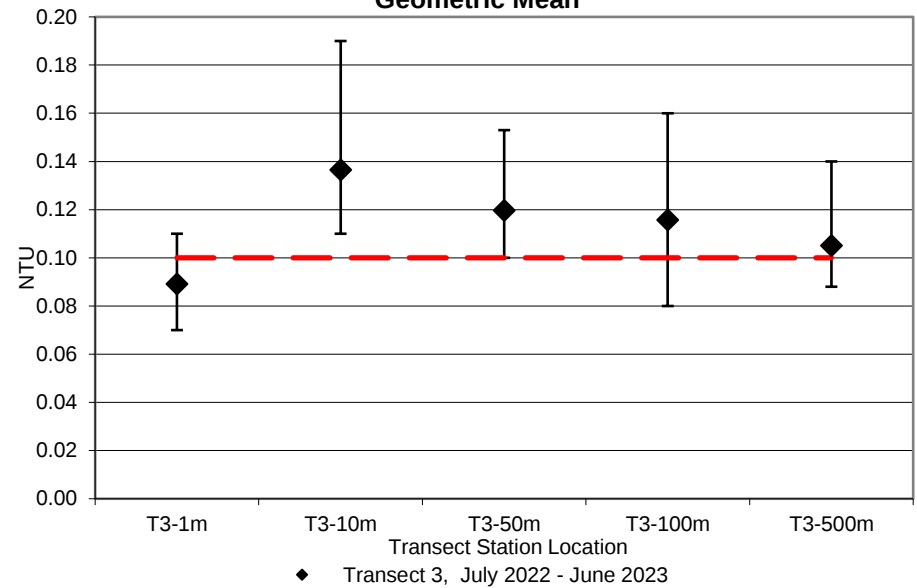
Transect 3

July 2022 - June 2023

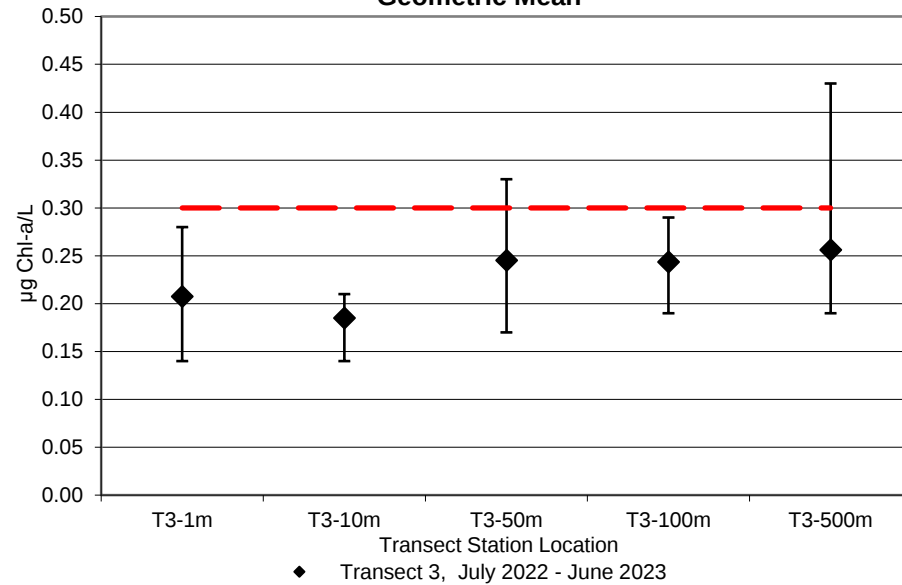
**Total Ammonia
Geometric Mean**



**Turbidity
Geometric Mean**



**Chlorophyll-a
Geometric Mean**



NELHA Water Quality Laboratory

Transect 3

July 2021 - June 2022

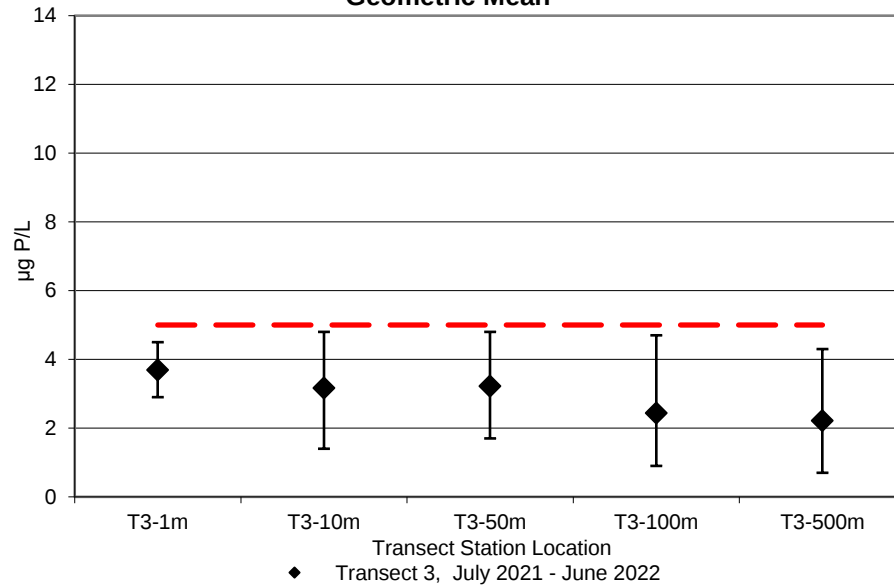
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	9/24/21	932	0.3	Ebb	0.09	2.9	0.36	5.1	0.24	3.4	0.4	12	0.23	7.0	4.3	61	0.09	35.54	26.6	8.01	6.89	0.17
T3-1m	12/14/21	1029	1.2	Flood	0.13	4.1	0.43	6.0	0.11	1.6	1.0	28	0.28	8.6	5.0	71	0.07	35.10	25.9	8.12	6.89	0.12
T3-1m	3/16/22	851	0.1	Low	0.15	4.5	0.78	10.9	0.01	0.1	1.8	50	0.33	10.2	4.9	68	0.08	34.94	25.4	8.09	6.96	0.21
T3-1m	6/8/22	1012	1.0	Flood	0.11	3.5	0.23	3.2	0.33	4.6	0.6	18	0.26	8.0	4.4	62	0.13	34.48	26.2	8.08	6.98	0.20
Geomear FY '22					0.12	3.7	0.41	5.7	0.1	1.3			0.3	8.4	4.7	65	0.09					0.17
T3-10m	9/24/21	936	0.3	Ebb	0.05	1.4	0.34	4.8	0.24	3.4	0.4	11	0.21	6.4	4.6	65	0.08	35.55	26.6	8.01	6.87	0.15
T3-10m	12/14/21	1033	1.2	Flood	0.14	4.4	0.44	6.1	0.19	2.6	0.8	22	0.28	8.8	5.0	70	0.13	35.10	25.9	8.12	6.82	0.14
T3-10m	3/16/22	856	0.1	Low	0.15	4.8	0.55	7.7	0.08	1.1	1.1	31	0.34	10.6	4.6	65	0.03	34.91	25.4	8.04	6.95	0.19
T3-10m	6/8/22	1017	1.0	Flood	0.11	3.4	0.22	3.1	0.44	6.1	0.6	17	0.27	8.3	4.3	60	0.09	34.49	26.2	8.07	6.89	0.22
Geomear FY '22					0.10	3.2	0.37	5.1	0.2	2.8			0.3	8.4	4.6	65	0.07					0.17
T3-50m	9/24/21	942	0.3	Ebb	0.05	1.7	0.31	4.3	0.20	2.8	0.4	11	0.22	6.7	5.1	72	0.09	35.54	26.7	8.01	6.79	0.15
T3-50m	12/14/21	1038	1.2	Flood	0.15	4.8	0.48	6.7	0.21	3.0	1.2	33	0.28	8.6	4.5	63	0.06	35.10	25.9	8.12	6.80	0.14
T3-50m	3/16/22	902	0.1	Low	0.13	3.9	0.20	2.8	0.04	0.5	0.8	21	0.34	10.4	4.3	60	0.06	34.91	25.4	8.06	6.81	0.23
T3-50m	6/8/22	1022	1.0	Flood	0.11	3.4	0.18	2.5	0.46	6.4	0.7	20	0.28	8.6	4.2	59	0.10	34.49	26.3	8.07	6.81	0.19
Geomear FY '22					0.10	3.2	0.27	3.8	0.2	2.3			0.3	8.5	4.5	63	0.08					0.17
T3-100m	9/24/21	947	0.3	Ebb	0.03	0.9	0.06	0.9	0.29	4.0	-0.3	-7	0.20	6.3	4.7	66	0.06	35.56	26.6	8.02	6.64	0.12
T3-100m	12/14/21	1043	1.2	Flood	0.15	4.7	0.34	4.7	0.12	1.7	0.9	25	0.28	8.8	4.4	61	0.08	35.11	25.9	8.12	6.72	0.16
T3-100m	3/16/22	908	0.1	Low	0.10	3.1	0.04	0.5	0.07	1.0	0.0	-1	0.31	9.7	4.1	57	0.07	34.93	25.5	8.07	6.83	0.21
T3-100m	6/8/22	1027	1.0	Flood	0.09	2.7	0.10	1.4	0.29	4.1	0.0	1	0.27	8.5	3.9	55	0.07	34.48	26.3	8.08	6.71	0.12
Geomear FY '22					0.08	2.4	0.09	1.3	0.2	2.3			0.3	8.2	4.3	60	0.07					0.15
T3-500m	9/24/21	953	0.3	Ebb	0.02	0.7	0.01	0.2	0.16	2.2	-0.3	-10	0.20	6.3	4.78	67	0.06	35.56	26.8	8.03	6.65	0.15
T3-500m	12/14/21	1051	1.2	Flood	0.14	4.3	0.06	0.8	0.08	1.1	0.7	18	0.27	8.5	4.23	59	0.05	35.11	26.0	8.13	6.72	0.25
T3-500m	3/16/22	916	0.1	Low	0.11	3.5	0.06	0.8	0.09	1.2	0.1	3	0.33	10.3	4.20	59	0.08	34.91	25.5	8.07	6.84	0.22
T3-500m	6/8/22	1033	1.0	Flood	0.07	2.3	0.08	1.1	0.24	3.4	-0.1	-3	0.26	8.2	4.03	56	0.10	34.50	26.3	8.08	6.73	0.12
Geomear FY '22					0.07	2.2	0.04	0.6	0.1	1.8			0.3	8.2	4.3	60	0.07					0.18

NELHA Water Quality Laboratory

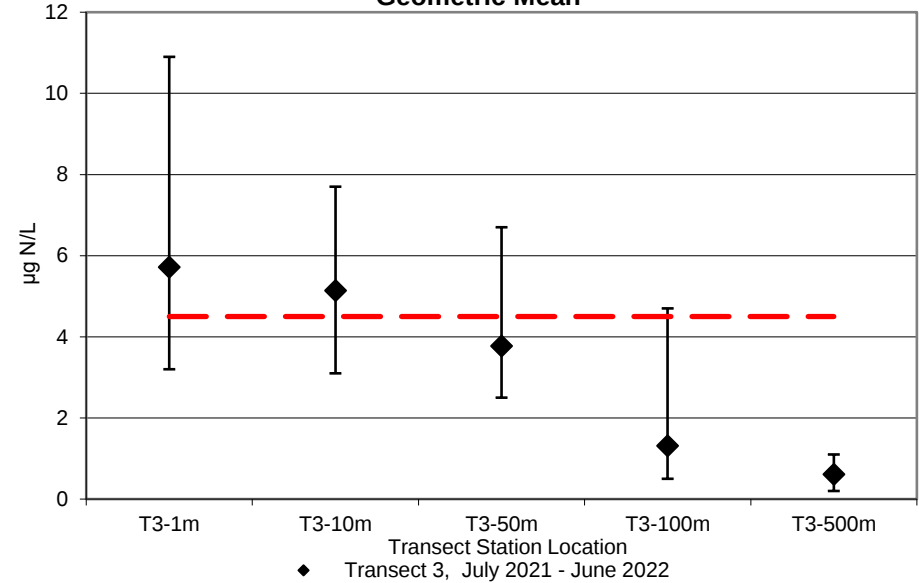
Transect 3

July 2021 - June 2022

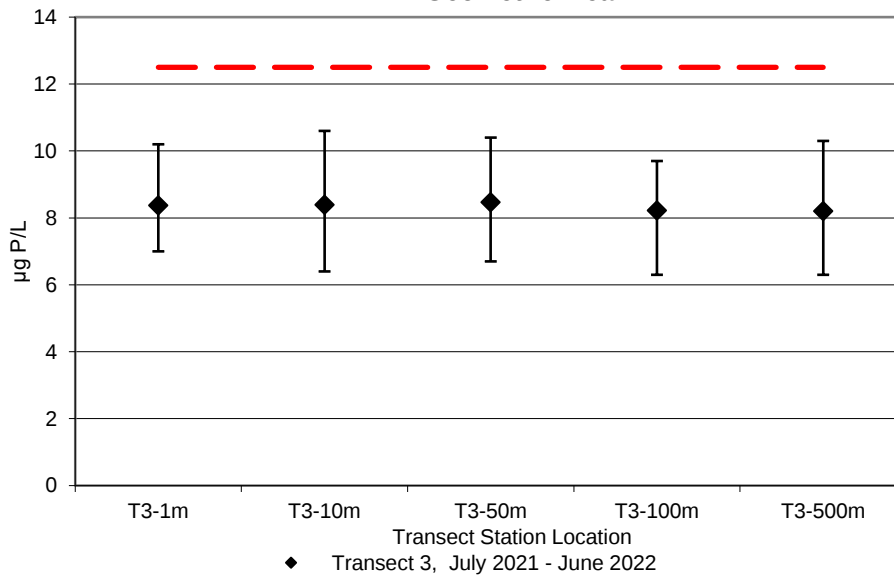
**Ortho-Phosphate
Geometric Mean**



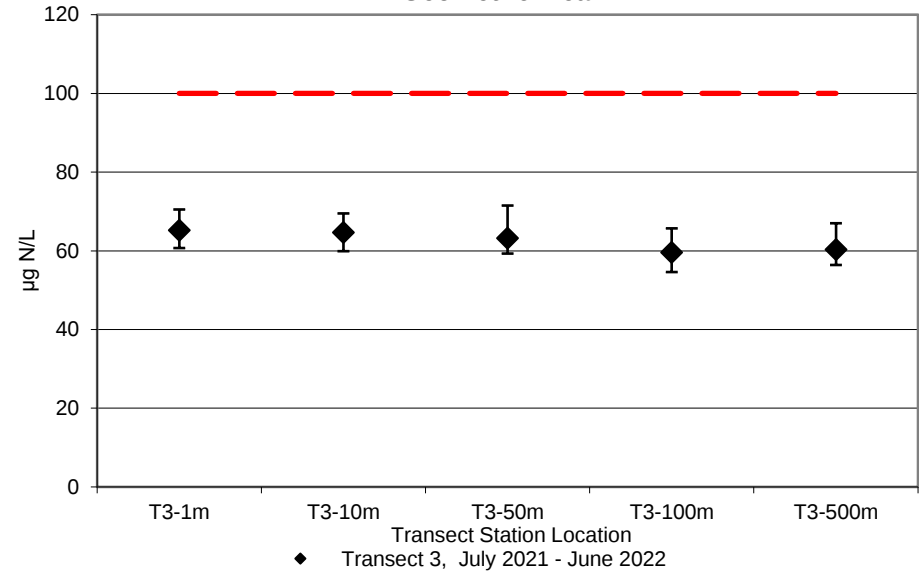
**Nitrate + Nitrite
Geometric Mean**



**Total Dissolved Phosphorous
Geometric Mean**



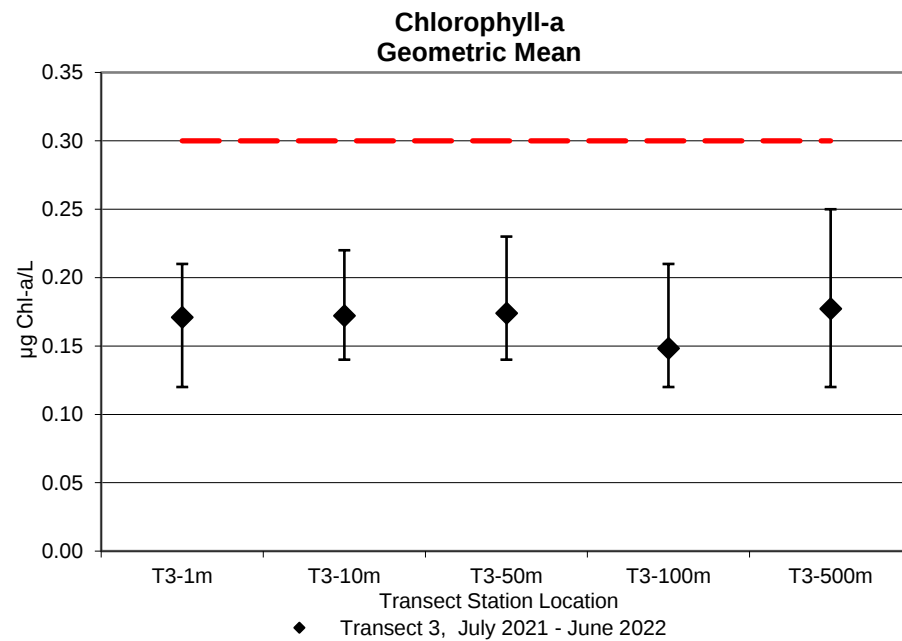
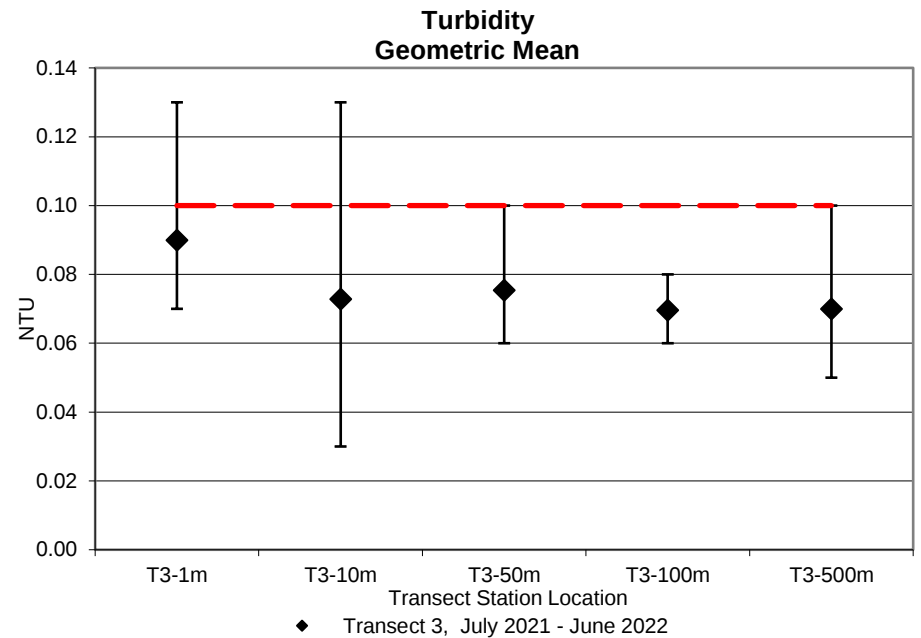
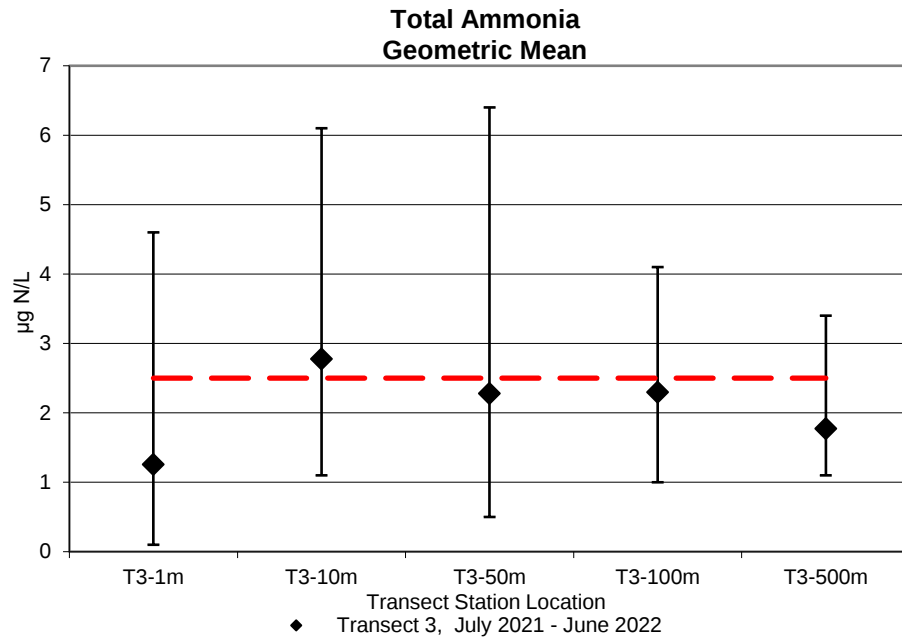
**Total Dissolved Nitrogen
Geometric Mean**



NELHA Water Quality Laboratory

Transect 3

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NELHA Water Quality Laboratory

Transect 3

July 2020 - June 2021

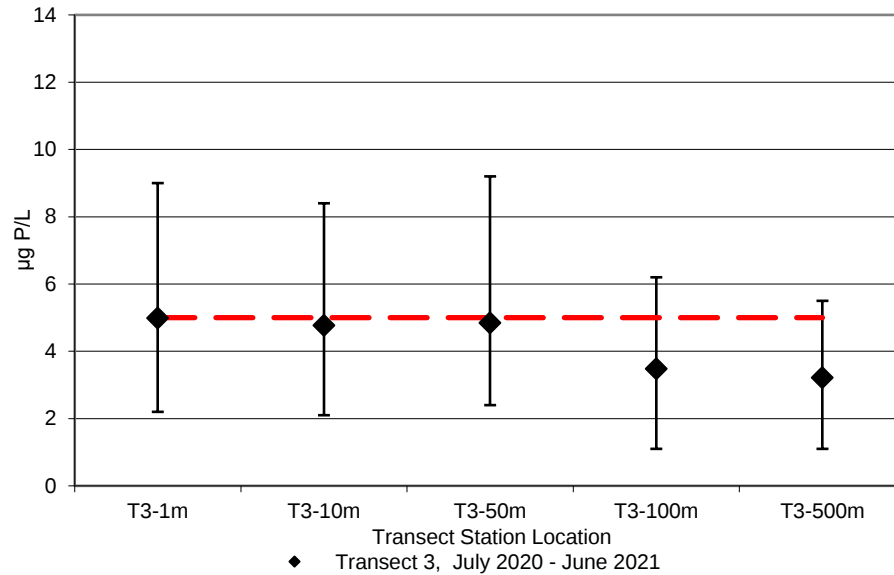
SITE ID	DATE	TIME	Tide		PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(ft)	(cycle)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	9/22/20	1149	1.2	Ebb	0.16	4.9	0.32	4.5	0.46	6.4	2.3	64	0.35	10.7	5.6	78	0.03	35.65	26.1	8.18	5.13	0.23
T3-1m	12/15/20	1156	0.4	Low	0.21	6.4	0.45	6.3	0.36	5.1	2.0	55	0.27	8.4	6.1	86	0.07	35.75	26.8	8.14	6.95	0.18
T3-1m	3/9/21	1003	0.3	Low	0.29	9.0	0.04	0.6	0.28	3.9	1.3	37	0.39	12.0	4.4	61	0.08	35.73	24.7	8.07	6.92	0.18
T3-1m	5/25/21	1040	0.5	Flood	0.07	2.2	0.56	7.9	0.25	3.5	4.2	119	0.21	6.5	10.9	153	0.11	35.69	25.5	8.00	7.18	0.13
Geomear FY '21					0.16	5.0	0.24	3.4	0.3	4.6			0.3	9.2	6.3	89	0.07					0.18
T3-10m	9/22/20	1154	1.2	Ebb	0.19	5.9	0.36	5.1	0.29	4.1	1.8	50	0.39	12	5.6	78	0.02	35.66	26.1	8.18	5.13	0.21
T3-10m	12/15/20	1201	0.4	Low	0.16	5.0	0.44	6.1	0.49	6.9	1.5	43	0.28	8.8	6.0	84	0.07	35.74	26.8	8.13	6.86	0.19
T3-10m	3/9/21	1007	0.3	Low	0.27	8.4	0.01	0.2	0.26	3.7	1.0	28	0.31	9.7	4.1	57	0.10	35.73	24.7	8.08	6.93	0.21
T3-10m	5/25/21	1044	0.5	Flood	0.07	2.1	0.55	7.7	0.21	2.9	4.6	129	0.18	5.6	6.7	94	0.13	35.67	25.6	8.02	7.17	0.14
Geomear FY '21					0.15	4.8	0.19	2.6	0.3	4.2			0.3	8.7	5.5	77	0.07					0.19
T3-50m	9/22/20	1158	1.2	Ebb	0.16	5.1	0.17	2.4	0.35	4.9	1.4	40	0.40	12.3	6.7	94	0.02	35.66	26.2	8.18	5.00	0.22
T3-50m	12/15/20	1206	0.4	Low	0.16	4.9	0.41	5.7	0.30	4.2	1.4	38	0.26	7.9	5.8	81	0.06	35.74	26.7	8.13	6.80	0.19
T3-50m	3/9/21	1013	0.3	Low	0.30	9.2	0.31	4.4	0.24	3.3	0.9	25	0.26	8.2	3.7	51	0.03	35.70	24.7	8.09	6.89	0.17
T3-50m	5/25/21	1049	0.5	Flood	0.08	2.4	0.46	6.4	0.20	2.8	3.4	96	0.17	5.3	5.0	70	0.12	35.66	25.7	8.03	7.10	0.16
Geomear FY '21					0.16	4.8	0.32	4.4	0.3	3.7			0.3	8.1	5.2	72	0.05					0.18
T3-100m	9/22/20	1205	1.2	Ebb	0.20	6.2	0.18	2.5	0.31	4.4	1.7	49	0.39	12.1	6.7	94	0.02	35.66	26.3	8.18	4.98	0.24
T3-100m	12/15/20	1211	0.4	Low	0.14	4.4	0.09	1.3	0.30	4.2	0.6	16	0.26	8.2	6.0	84	0.05	35.68	26.7	8.12	6.63	0.24
T3-100m	3/9/21	1018	0.3	Low	0.16	4.9	0.44	6.2	0.19	2.6	0.1	2	0.36	11.1	3.3	46	0.10	35.71	24.8	8.10	6.83	0.15
T3-100m	5/25/21	1054	0.5	Flood	0.04	1.1	0.44	6.2	0.16	2.3	2.8	78	0.17	5.4	5.2	73	0.10	35.65	25.8	8.04	7.04	0.16
Geomear FY '21					0.11	3.5	0.24	3.3	0.2	3.2			0.3	8.8	5.1	72	0.06					0.19
T3-500m	9/22/20	1213	1.2	Ebb	0.18	5.5	0.05	0.7	0.35	4.9	1.1	31	0.37	11.4	6.54	92	0.03	35.65	26.5	8.18	4.93	0.25
T3-500m	12/15/20	1218	0.4	Low	0.11	3.5	0.01	0.2	0.25	3.5	0.2	5	0.26	8.1	5.28	74	0.05	35.66	26.7	8.12	6.62	0.21
T3-500m	3/9/21	1027	0.3	Low	0.16	5.1	0.13	1.8	0.20	2.8	0.7	20	0.31	9.5	3.32	47	0.04	35.69	24.9	8.11	6.81	0.11
T3-500m	5/25/21	1102	0.5	Flood	0.04	1.1	0.28	3.9	0.14	2.0	2.4	69	0.13	4.0	5.00	70	0.10	35.67	26.2	8.04	6.79	0.14
Geomear FY '21					0.10	3.2	0.07	1.0	0.2	3.1			0.2	7.7	4.9	69	0.05					0.17

NELHA Water Quality Laboratory

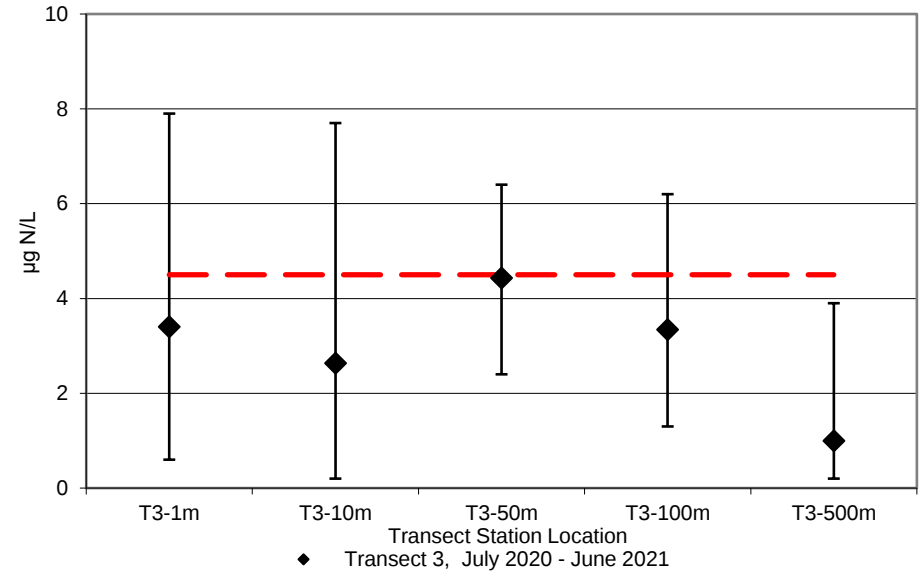
Transect 3

July 2020 - June 2021

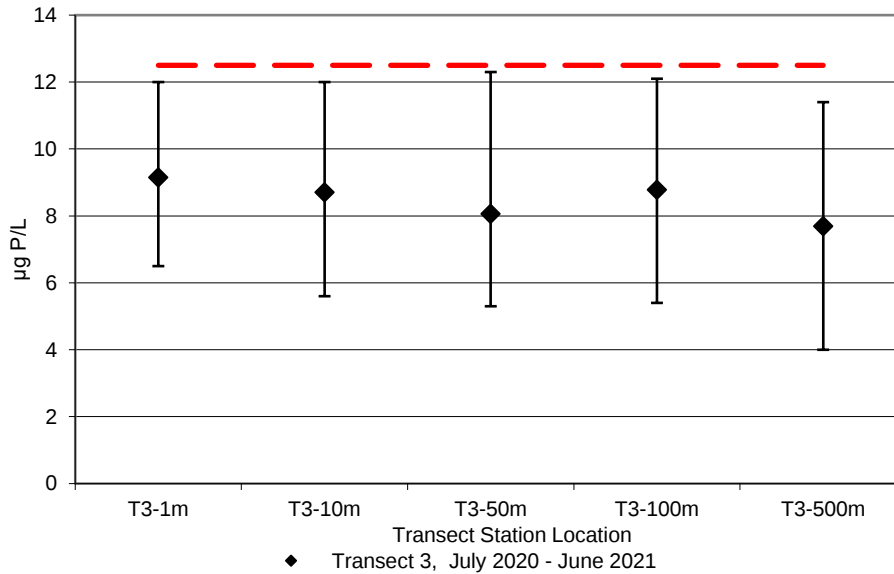
**Ortho-Phosphate
Geometric Mean**



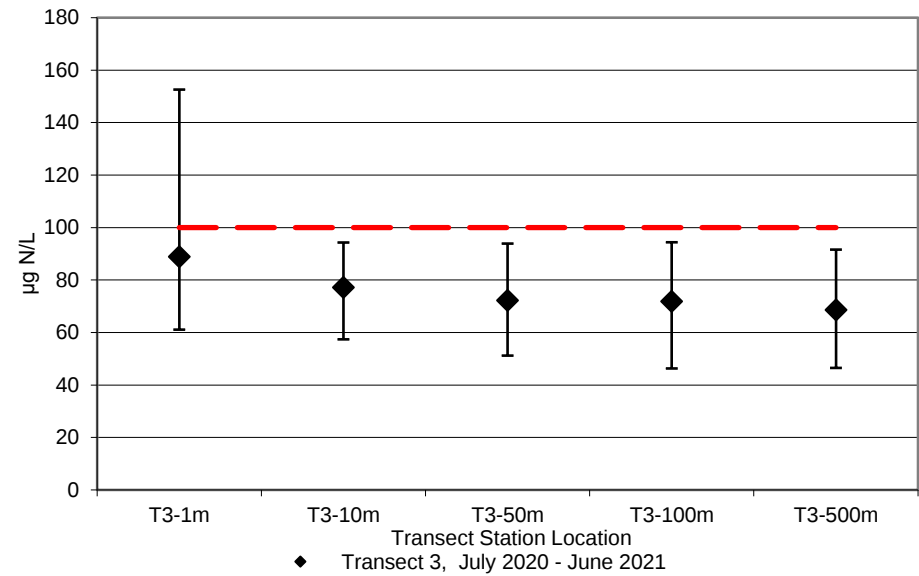
**Nitrate + Nitrite
Geometric Mean**



**Total Dissolved Phosphorous
Geometric Mean**



**Total Dissolved Nitrogen
Geometric Mean**

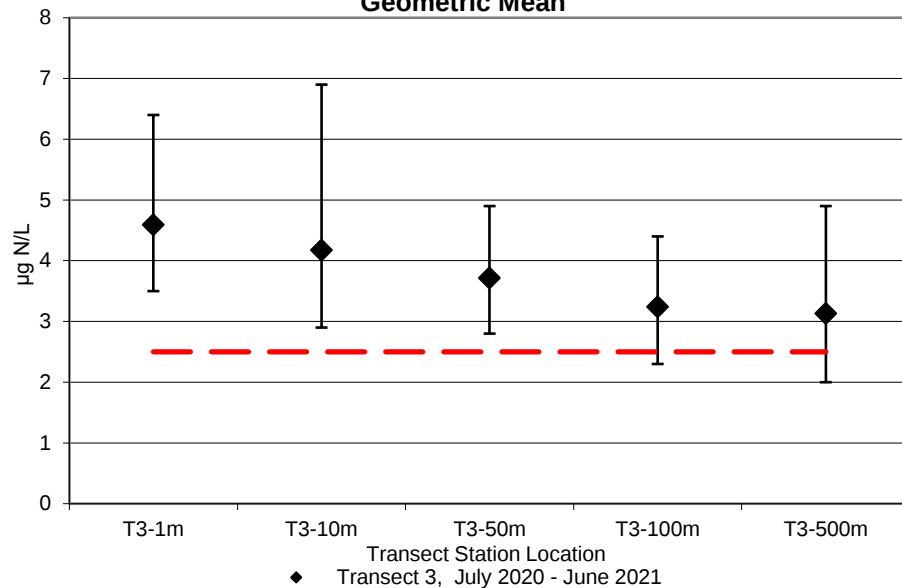


NELHA Water Quality Laboratory

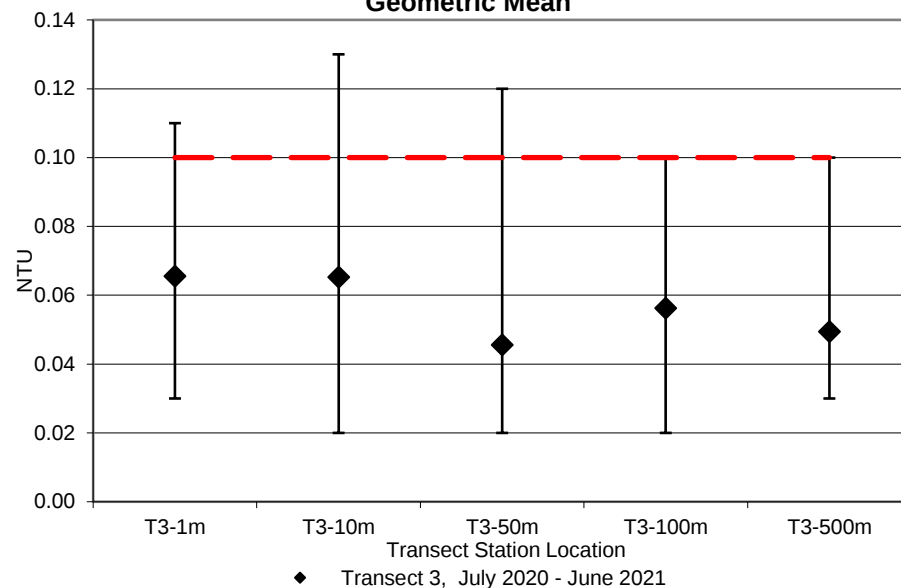
Transect 3

July 2020 - June 2021

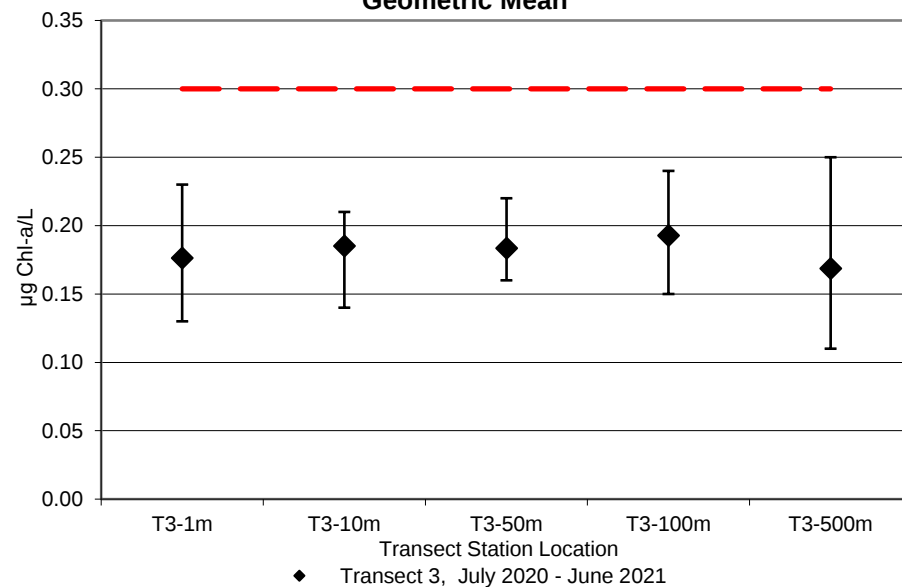
Total Ammonia Geometric Mean



Turbidity Geometric Mean



Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3, Station 1

8/3/1993 - 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		
O3-1S-8rr	8/3/93	1056	0.12	3.7	0.34	4.8	0.43	6.0	3.7	103	0.30	9.3	8.1	113	0.38	11.77	1.00	0.11	34.508	26.9	8.24	7.07	0.10		
O3-1S-8rr	12/8/93	1129	0.09	2.8	0.19	2.7	0.17	2.4	2.7	77	0.25	7.7	5.1	71	0.25	7.74	1.18	0.13	34.799	26.1	8.25	7.03	0.08		
O3-1S-8rr	3/8/94	1027	0.22	6.8	0.43	6.0	0.25	3.5	3.5	99	0.33	10.2	5.9	82	0.33	10.22	1.13	0.14	34.200	25.2	8.25	7.28	0.01	<1	<1
O3-1S-8rr	6/13/94	1020	0.15	4.6	0.37	5.2	0.16	2.2	4.4	122	0.32	9.9	7.4	104	0.32	9.91	1.05	0.18	34.510	25.6	8.23	7.23	0.07	<1	<1
Geomear FY '94			4.3		4.5		3.3				9.2		91					0.14					0.05		
O3-1S-8rr	9/8/94	910	0.09	2.8	0.19	2.7	0.27	3.8	2.7	76	0.27	8.4	6.1	85	0.31	9.60	1.12	0.08	34.634	27.6	8.24	6.67	0.06	2	<1
O3-1S-8rr	#####	943	0.17	5.3	0.61	8.5	0.59	8.3	5.1	142	0.34	10.5	5.6	78	0.38	11.77	1.01	0.08	34.569	26.0	8.26	7.07	0.08	2	1
O3-1S-8rr	3/21/95	841	0.19	5.9	0.14	2.0	0.15	2.1	5.3	147	0.32	9.9	5.5	78	0.32	9.91	1.10	0.09	34.231	25.0	8.22	7.25	0.16	1	1
O3-1S-8rr	6/21/95	1001	0.11	3.4	0.09	1.3	0.35	4.9	4.8	136	0.29	9.0	6.8	96	0.29	8.98	1.03	0.06	34.476	26.3	8.23	7.14	0.08	<1	<1
Geomear FY '95			4.1		2.7		4.2				9.4		84					0.08					0.09		
O3-1S-8rr	9/25/95	1154	0.19	5.9	0.29	4.1	0.28	3.9	4.0	113	0.30	9.3	8.5	118	0.30	9.29	1.17	0.11	34.522	27.3	8.27	7.04	0.05	1	<1
O3-1S-8rr	#####	817	0.15	4.6	0.20	2.8	0.45	6.3	1.7	47	0.31	9.6	5.1	71	0.31	9.60	1.00	0.06	34.391	26.7	8.26	7.00	0.12	<1	2
O3-1S-8rr	3/11/96	1223	0.13	4.0	0.31	4.3	0.47	6.6	2.4	66	0.32	9.9	4.7	66	0.32	9.91	1.00	0.09	34.192	25.5	8.24	7.45	0.08	<1	<1
O3-1S-8rr	5/13/96	1131	0.11	3.4	0.18	2.5	0.23	3.2	2.9	80	0.31	9.6	4.8	67	0.31	9.60	1.05	0.08	34.298	27.2	8.22	7.18	0.08	<1	<1
Geomear FY '96			4.4		3.3		4.8				9.6		78					0.08					0.08		
O3-1S-8rr	7/30/96	949	0.11	3.4	0.47	6.6	0.29	4.1	3.0	84	0.26	8.1	4.5	63	0.26	8.05	0.94	0.13	34.483	28.4	8.24	6.82	0.12	<1	<1
O3-1S-8rr	10/1/96	931	0.09	2.8	0.10	1.4	0.60	8.4	33.9	952	0.29	9.0	4.6	65	0.29	8.98	1.12	0.09	34.692	28.1	8.22	6.77	0.08	<1	<1
O3-1S-8rr	1/6/97	931	0.13	4.0	0.67	9.4	0.16	2.2	4.0	112	0.35	10.8	5.4	75	0.35	10.84	1.28	0.07	34.654	25.5	8.27	6.97	0.04	<1	<1
O3-1S-8rr	4/21/97	914	0.12	3.7	1.78	24.9	0.27	3.8	3.4	96	0.36	11.2	6.6	93	0.37	11.46	1.10	0.10	34.507	26.4	8.27	6.77	0.07	<1	<1
Geomear FY '97			3.5		6.8		4.1				9.7		73					0.10					0.07		
O3-1S-8rr	8/18/97	908	0.12	3.7	0.60	8.4	0.21	2.9	3.9	110	0.37	11.5	5.0	70	0.44	13.63	1.10	0.18	34.614	26.9	8.39	6.67	0.15	<1	<1
O3-1S-8rr	10/6/97	930	0.12	3.7	0.11	1.5	0.34	4.8	12.1	340	0.40	12.4	4.7	65	0.40	12.39	1.11	0.09	34.703	27.4	8.44	6.72	0.11	<1	<1
O3-1S-8rr	3/3/98	931	0.11	3.4	0.43	6.0	0.24	3.4	3.6	102	0.32	9.9	5.2	72	0.32	9.91	0.99	0.07	35.000	24.8	8.21	6.86	0.02	<1	<1
O3-1S-8rr	5/4/98	1241	0.12	3.7	0.43	6.0	0.13	1.8	4.0	111	0.41	12.7	5.1	72	0.42	13.01	0.92	0.07	35.030	24.0	8.24	7.18	0.19	<1	<1
Geomear FY '98			3.6		4.7		3.0				11.6		70					0.09					0.09		
O3-1S-8rr	7/6/98	947	0.16	5.0	0.65	9.1	0.06	0.8	19.6	549	0.39	12.1	5.3	74	0.41	12.70	1.05	0.10	34.941	26.2	8.21	6.87	0.15	<1	<1
O3-1S-8rr	10/5/98	923	0.11	3.4	0.11	1.5	0.09	1.3	11.5	324	0.39	12.1	6.0	84	0.42	13.01	1.14	0.08	35.101	27.0	8.23	7.38	0.08	6	<1
O3-1S-8rr	1/13/99	921	0.12	3.7	1.14	16.0	0.26	3.6	4.5	126	0.36	11.2	5.6	79	0.36	11.15	1.16	0.07	35.039	24.8	8.22	6.99	0.09	1	<1
O3-1S-8rr	4/13/99	916	0.17	5.3	0.60	8.4	0.12	1.7	6.7	188	0.42	13.0	4.7	67	0.46	14.25	1.01	0.12	34.633	24.2	8.18	7.17	0.13	<1	<1
Geomear FY '99			4.3		6.6		1.6				12.1		76					0.09					0.11		

NELHA Water Quality Laboratory

Transect 3, Station 1

8/3/1993 - 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		
O3-1S-8r 7/13/99	950		0.14	4.3	0.49	6.9	0.04	0.6	4.0	112	0.39	12.1	6.2	86	0.41	12.70	1.07	0.14	34.916	26.0	8.21	6.91	0.16	<1	<1
O3-1S-8r #####	934		0.14	4.3	0.62	8.7	0.31	4.3	17.9	504	0.34	10.5	5.0	71	0.40	12.39	1.05	0.09	34.943	26.1	8.25	6.77	0.14	<1	<1
O3-1S-8r 1/4/00	944		0.13	4.0	0.81	11.3	0.35	4.9	4.3	122	0.34	10.5	6.0	84	0.34	10.53	0.98	0.08	35.051	24.8	8.22	6.89	0.05	<1	<1
O3-1S-8r 5/16/00	1008		0.17	5.3	0.41	5.7	0.09	1.3	5.1	144	0.37	11.5	6.5	91	0.36	11.15	0.99	0.10	34.664	25.2	8.25	7.13	0.20	<1	<1
Geomear FY '00			4.5		7.9		2.0				11.1		83				0.10					0.12			
O3-1S-8r 7/24/00	956		0.11	3.4	0.15	2.1	0.06	0.8	3.1	88	0.37	11.5	5.4	76	0.37	11.46	0.98	0.07	34.877	27.2	8.26	6.66	0.14	1	4
O3-1S-8r #####	1002		0.13	4.0	0.19	2.7	0.31	4.3	6.7	188	0.35	10.8	5.5	77	0.36	11.15	1.07	0.11	35.003	27.0	8.25	6.66	0.17	<1	1
O3-1S-8r 2/26/01	1003		0.13	4.0	0.12	1.7	0.16	2.2	3.7	104	0.39	12.1	5.7	79	0.40	12.39	1.48	0.11	34.719	24.8	8.20	6.73	0.09	<1	2
O3-1S-8r 5/8/01	923		0.14	4.3	0.66	9.2	0.19	2.7	4.3	119	0.33	10.2	5.4	75	0.35	10.84	1.04	0.09	34.793	24.9	8.20	7.06	0.14	<1	4
Geomear FY '01			3.9		3.1		2.2				11.1		77				0.09					0.13			
O3-1S-8r 8/13/01	947		0.12	3.7	0.04	0.6	0.29	4.1	18.1	509	0.30	9.3	5.1	72	0.33	10.22	1.07	0.10	34.898	26.5	8.21	6.90	0.11	<1	<1
O3-1S-8r #####	933		0.16	5.0	0.05	0.7	0.07	1.0	3.0	85	0.40	12.4	5.1	71	0.41	12.70	1.04	0.08	34.936	27.4	8.21	6.87	0.11	<1	1
O3-1S-8r 3/4/02	1103		0.10	3.1	0.47	6.6	0.02	0.3	5.1	144	0.39	12.1	6.3	88	0.39	12.08	0.98	0.07	34.687	24.1	8.23	6.88	0.13	<1	<1
O3-1S-8r 4/16/02	1117		0.18	5.6	0.46	6.4	0.32	4.5	5.7	161	0.39	12.1	6.2	86	0.39	12.08	0.96	0.08	34.401	25.7	8.20	6.78	0.17	<1	<1
Geomear FY '02			4.2		2.0		1.5				11.4		79				0.08					0.13			
O3-1S-8r 7/9/02	1006		0.13	4.0	0.54	7.6	0.15	2.1	4.3	122	0.36	11.2	7.6	106	0.40	12.39	1.09	0.08	34.630	26.6	8.20	6.78	0.18	<1	2
O3-1S-8r 10/7/02	1104		0.10	3.1	0.52	7.3	0.25	3.5	3.5	99	0.32	9.9	5.8	81	0.33	10.22	0.98	0.12	34.915	27.1	8.25	6.96	0.13	<1	<1
O3-1S-8r 3/10/03	1037		0.14	4.3	0.52	7.3	0.04	0.6	3.4	95	0.40	12.4	6.1	85	0.39	12.08	0.91	0.17	34.795	24.8	8.25	7.19	0.11	<1	<1
O3-1S-8r 4/22/03	1012		0.09	2.8	0.25	3.5	0.04	0.6	2.6	72	0.35	10.8	6.4	89	0.34	10.53	0.93	0.07	35.013	25.0	8.26	7.97	0.19	<1	<1
Geomear FY '03			3.5		6.1		1.2				11.0		90				0.10					0.15			
O3-1S-8r 8/19/03	1125		0.11	3.4	0.22	3.1	0.20	2.8	3.0	85	0.35	10.8	6.5	91	0.36	11.15	n/a	0.09	34.858	28.0	8.25	6.77	0.15	<1	1
O3-1S-8r #####	856		0.10	3.1	0.11	1.5	0.25	3.5	1.7	48	0.39	12.1	6.7	94	0.38	11.77	n/a	0.09	34.817	27.5	8.22	N/A	0.07	<1	<1
O3-1S-8r 3/17/04	1001		0.13	4.0	0.02	0.3	0.23	3.2	1.8	51	0.36	11.2	5.5	77	0.39	12.08	n/a	n/a	34.349	26.0	8.28	6.39	0.10	<1	9
O3-1S-8r 5/20/04	1106		0.14	4.3	0.13	1.8	0.20	2.8	2.3	65	0.38	11.8	5.7	80	0.39	12.08	n/a	n/a	33.50	26.8	8.25	7.12	0.01	<1	<1
Geomear FY '04			3.7		1.2		3.1				11.4		85				0.09					0.06			
O3-1S-8r 9/20/04	1054		0.09	2.8	0.03	0.4	0.24	3.4	2.0	55	0.33	10.2	5.2	73	0.34	10.53	n/a	0.11	33.76	28.1	8.26	6.74	0.15	3	1
O3-1S-8r #####	1021		0.08	2.5	0.12	1.7	0.29	4.1	1.4	38	0.30	9.3	3.4	48	0.31	9.60	n/a	0.09	33.77	27.2	8.30	6.82	0.10	<1	2
O3-1S-8r 1/13/05	1148		0.08	2.5	0.59	8.3	0.06	0.8	3.6	102	0.28	8.7	4.1	57	0.30	9.29	n/a	0.11	34.823	25.0	8.35	6.24	0.13	<1	<1
O3-1S-8r 4/11/05	1158		0.14	4.3	0.84	11.8	0.29	4.1	3.7	105	0.36	11.2	4.7	66	0.38	11.77	n/a	0.21	34.455	25.2	8.32	7.12	0.14	<1	<1
Geomear FY '05			2.9		2.9		2.6				9.8		60				0.12					0.13			

NELHA Water Quality Laboratory

Transect 3, Station 1

8/3/1993 - 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		
O3-1S-8r	7/20/05	1144	0.09	2.8	0.30	4.2	0.13	1.8	3.0	84	0.32	9.9	3.3	46	0.34	10.53	n/a	0.16	34.684	26.7	8.25	6.85	0.06	<1	<1
O3-1S-8r	#####	1035	0.05	1.5	0.01	0.1	0.15	2.1	1.7	47	0.31	9.6	3.0	42	0.32	9.91	1.00	0.12	34.859	27.5	8.29	6.67	0.08	<1	<1
O3-1S-8r	3/14/06	900	0.16	5.0	1.01	14.1	0.46	6.4	4.2	118	0.38	11.8	5.9	83	0.41	12.70	n/a	0.12	34.802	24.4	8.24	6.88	0.11	<1	3
O3-1S-8r	5/15/06	1105	0.12	3.7	1.17	16.4	0.27	3.8	4.7	131	0.39	12.1	6.8	95	0.47	14.56	1.06	0.17	34.676	24.9	8.27	6.97	0.41	<1	<1
Geomear FY '06			3.0		3.4		3.1				10.8		62					0.14					0.12		
O3-1S-8r	8/14/06	1105	0.13	4.0	0.28	3.9	0.25	3.5	2.7	77	0.43	13.3	5.2	73	0.45	13.94	1.07	0.10	34.500	26.9	8.25	7.16	0.15	<1	<1
O3-1S-8r	11/1/06	1114	0.09	2.8	0.24	3.4	0.47	6.6	2.1	60	0.35	10.8	6.2	87	0.35	10.84	1.28	1.45	34.812	27.3	8.27	6.78	0.11	<1	<1
O3-1S-8r	2/12/07	1131	0.14	4.3	0.28	3.9	0.41	5.7	2.2	62	0.34	10.5	5.5	77	0.38	11.77	1.17	0.13	34.491	24.7	8.23	7.61	0.12	<1	<1
O3-1S-8r	4/9/07	1108	0.14	4.3	0.26	3.6	0.30	4.2	4.7	132	0.36	11.2	5.1	71	0.39	12.08	0.97	0.49	34.623	25.4	8.22	6.64	0.02	<1	<1
Geomear FY '07			3.8		3.7		4.9				11.4		77					0.31					0.08		
T3-1m	9/26/07	1032	0.15	4.6	0.43	6.0	0.38	5.3	5.8	162	0.37	11.6	5.6	79				0.12	34.961	26.8	8.25	6.63	0.10		
T3-1m	#####	1159	0.11	3.3	0.44	6.2			8.8	247	0.36	11.0	7.1	99				0.16	34.688	25.7	8.30	6.78	0.25		
T3-1m	3/10/08	1048	0.21	6.5	1.34	18.8	0.06	0.8	5.8	162	0.41	12.6	8.7	123				0.43	34.87	24.8	8.17	6.92	0.24		
T3-1m	6/5/08	1054	0.11	3.3	0.27	3.8	0.16	2.2	19.0	533	0.21	6.4	9.8	138				0.06	34.812	25.1	8.18	6.79	0.35		
Geomear FY '08			4.2		7.2		2.1				10.1		107					0.15					0.21		
T3-1m	9/22/08	1143	0.06	2	0.24	3.3	0.31	4.3	1.9	54	0.26	8.1	4.8	67				0.06	34.853	26.9	8.06	6.62	0.04		
T3-1m	#####	1026	0.14	4.2	0.21	3	0.14	1.9	2.5	71	0.29	8.9	4.1	58				0.12	34.955	26.0	8.26	6.25	0.04		
T3-1m	2/9/09	1031	0.19	6	0.99	13.8	0.12	1.7	3.2	91	0.39	12	11.2	157				0.08	35.600	25.0	8.06	6.50	0.06		
T3-1m	4/13/09	1012	0.24	7.5	0.96	13.4	0.31	4.4	3.8	106	0.57	17.6	5.6	78				0.10	34.955	23.9	8.19	6.20	0.07		
Geomear FY '09			4.4		6.5		2.8				11.1		83					0.09					0.05		
T3-1m	9/9/09	1031	0.15	4.7	0.46	6.5	0.12	1.7	6.5	183	0.63	19.5	5.1	72				0.07	35.22	27.1	8.22	5.80	0.27		
T3-1m	#####	1040	0.03	0.9	0.51	7.2	0.09	1.3	46.6	1309	0.37	11.6	5.3	75				0.07	35.23	25.1	8.28	6.60	0.11		
T3-1m	2/23/10	1043	0.16	5.1	0.35	4.9	0.41	5.8	17.5	491	0.33	10.3	6.4	90				0.10	35.02	24.6	8.20	6.36	0.35		
T3-1m	5/25/10	952	0.05	1.7	0.46	6.4	0.29	4.1	6.1	172	0.33	10.3	5.6	78				0.06	34.94	25.0	8.21	6.98	0.05		
Geomear FY '10			2.5		6.2		2.7				12.4		78					0.07					0.15		
T3-1m	8/10/10	1046	0.06	1.9	0.73	10.2	0.12	1.7	2.2	62	0.31	9.7	4.5	63				0.07	35.22	27.10	8.22	5.80	0.27		
T3-1m	11/8/10	1027	0.02	0.7	0.39	5.5	0.29	4.0	3.1	88	0.39	12.1	6.0	84				0.07	35.23	25.10	8.28	6.60	0.11		
T3-1m	1/11/11	1040	0.14	4.4	0.29	4	0.44	6.1	3.1	88	0.42	13.1	4.8	68				0.10	35.02	24.62	8.20	6.36	0.35		
T3-1m	4/26/11	1044	0.11	3.4	0.37	5.2	0.29	4.0	5.6	158	0.46	14.4	3.4	48				0.06	34.94	25.03	8.21	6.98	0.05		
Geomear FY '11			2.1		5.8		3.6				12.2		64					0.07					0.15		

NELHA Water Quality Laboratory

Transect 3, Station 1

8/3/1993 - 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		
T3-1m	7/26/11	1115	0.21	6.6	0.26	3.7	0.17	2.4	1.5	42	0.49	15.1	3.5	49				0.09	34.82	26.04	8.27	6.75	0.04		
T3-1m	#####	1031	0.02	0.6	0.12	1.7	0.24	3.4	2.4	68	0.30	9.4	4.1	58				0.09	35.06	26.80	8.24	7.09	0.08		
T3-1m	1/25/12	1058	0.13	4	0.66	9.3	0.23	3.2	3.4	96	0.41	12.7	4.3	60				0.09	35.00	24.65	8.21	7.12			
T3-1m	4/24/12	1125	0.15	4.8	0.60	8.4	0.28	3.9	2.1	59	0.43	13.4	4.0	56				0.08	35.10	24.89	8.23	6.98	0.06		
Geomear FY '12			3.0		4.7		3.2				12.5		55					0.09					0.06		
T3-1m	7/24/12	1041	0.05	1.5	0.35	4.9	0.25	3.5	1.6	45	0.34	10.5	3.8	54				0.06	35.06	26.37	8.24	7.10	0.04		
T3-1m	#####	1026	0.12	3.8	1.12	15.7	0.26	3.6	4.0	113	0.49	15.1	6.3	88				0.04	35.15	25.02	8.20	7.12	0.15		
T3-1m	1/23/13	1037	0.11	3.3	0.66	9.2	0.25	3.5	2.8	80	0.43	13.4	5.7	80				0.06	35.08	24.70	8.20	6.71	0.06		
T3-1m	4/16/13	1045	0.16	5	0.72	10.1	0.41	5.7	2.3	63	0.48	14.9	6.7	94				0.06	35.11	25.00	8.21	7.01	0.04		
Geomear FY '13			3.1		9.2		4.0				13.3		77					0.05					0.06		
T3-1m	8/1/13	952	0.04	1.2	0.11	1.5	0.08	1.1	2.3	64	0.44	13.5	5.2	73				0.11	35.25	26.3	8.26	7.02	0.14		
T3-1m	#####	1021	0.15	4.7	0.50	7.0	0.34	4.7	2.5	72	0.46	14.1	6.2	87				0.06	35.25	27.1	8.22	6.54	0.12		
T3-1m	2/4/14	1033	0.10	3.2	0.54	7.6	0.56	7.8	2.1	59	0.38	11.9	4.0	57				0.02	35.10	25.2	8.20	6.56	0.14		
T3-1m	5/6/14	1034	0.11	3.5	0.43	6.0	0.28	3.9	3.1	88	0.45	13.9	5.4	76				0.08	34.72	25.9	8.20	6.11	0.16		
Geomear FY '14			2.8		4.7		3.5				13.3		72					0.06					0.14		
T3-1m	8/5/14	1034	0.20	6.1	0.25	3.5	0.68	9.5	1.3	37	0.53	16.5	5.0	70				0.10	34.95	26.8	8.22	6.04	0.03		
T3-1m	#####	1210	0.17	5.4	0.33	4.6	0.42	5.9	0.3	9	0.48	14.8	5.9	83				0.08	34.96	27.2	8.22	6.97	0.14		
T3-1m	3/3/15	1038	0.11	3.3	0.81	11.3	0.10	1.4	2.4	69	0.33	10.2	8.7	121				0.08	34.83	25.6	8.18	7.24	0.15		
T3-1m	6/16/15	1247	0.14	4.3	0.59	8.2	0.42	5.9	2.8	80	0.44	13.7	10.2	144				0.07	34.24	26.9	8.22	6.35	0.09		
Geomear FY '15			4.6		6.2		4.6				13.6		100					0.08					0.09		
T3-1m	8/26/15	1024	0.18	5.6	0.40	5.6	0.26	3.7	17.5	490	0.23	7.2	6.6	92				0.05	34.29	28.3	8.22	6.32	0.11		
T3-1m	#####	1051	0.17	5.3	0.54	7.5	0.69	9.6	7.5	210	0.52	16.2	5.6	78				0.07	33.99	27.4	8.24	6.60	0.17		
T3-1m	3/1/16	1057	0.19	5.8	0.53	7.4	0.32	4.5	1.0	29	0.52	16.0	4.5	63				0.09	34.74	25.4	8.25	5.98	0.11		
T3-1m	5/3/16	1021	0.13	3.9	0.13	1.8	0.21	3.0	1.0	28	0.40	12.5	5.3	75				0.05	34.68	25.7	8.24	6.49	0.12		
Geomear FY '16			5.1		4.9		4.7				12.4		76					0.06					0.13		
T3-1m	7/6/16	1138	0.11	3.3	0.20	2.8	0.36	5.0	0.8	22	0.61	18.8	5.8	81				0.12	34.59	27.2	8.29	6.86	0.17		
T3-1m	#####	1110	0.09	2.9	0.57	8.0	0.22	3.1	2.5	70	0.36	11.0	4.7	66				0.03	34.70	25.5	8.28	5.98	0.12		
T3-1m	2/28/17	1004	0.03	0.8	0.46	6.5	0.46	6.5	1.2	34	0.29	9.1	4.6	65				0.10	34.63	24.7	8.21	5.75	0.15		
T3-1m	5/10/17	956	0.03	0.8	0.41	5.8	0.10	1.4	1.4	39	0.24	7.4	3.8	53				0.08	34.75	25.7	8.20	4.33	0.09		
Geomear FY '17			1.6		5.4		3.4				10.9		65					0.07					0.13		

NELHA Water Quality Laboratory

Transect 3, Station 1

8/3/1993 - 7/10/2025

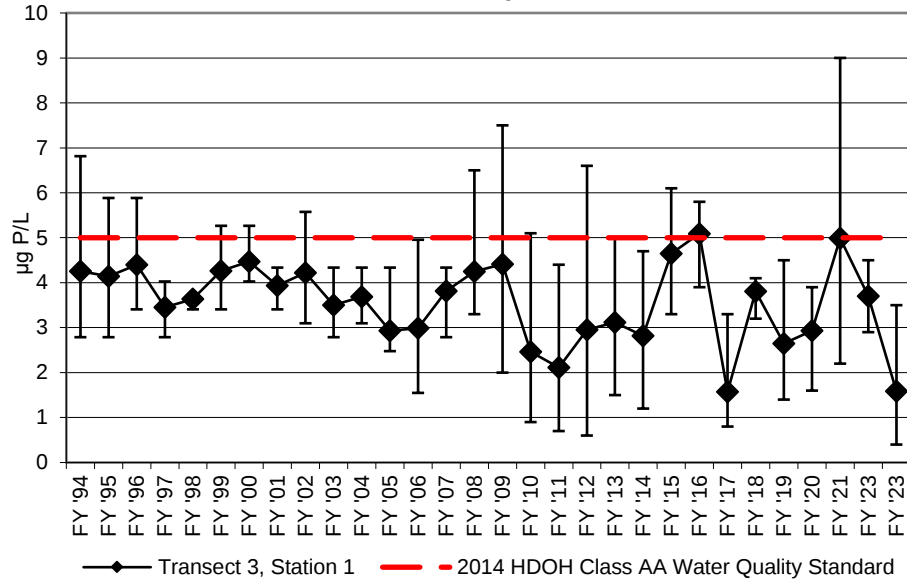
SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coli.	Entero.
	M/D/Y	(2400)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg P/L)	(mgC/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)	Bact/100 ml	Bact/100 ml
DOH LIMIT			5		4.5		2.5				12.5		100					0.10					0.30		
T3-1m	9/27/17	1203	0.13	4.1	0.34	4.7	0.20	2.8	1.2	35	0.43	13.2	2.8	40				0.11	34.80	27.9	8.20	4.39	0.18		
T3-1m	#####	1146	0.13	4.0	0.53	7.4	0.48	6.7	2.1	60	0.38	11.8	4.1	58				0.10	35.05	26.2	8.21	4.94	0.20		
T3-1m	1/30/18	1130	0.13	4.0	0.59	8.2	0.21	2.9	3.4	95	0.38	11.8	4.0	56				0.08	34.81	24.6	8.18	5.46	0.19		
T3-1m	5/16/18	1124	0.10	3.2	0.34	4.7	0.21	3.0	2.9	83	0.36	11.0	2.5	35				0.03	34.73	25.7	8.19	6.32	0.13		
Geomear FY '18			3.8		6.1		3.6				11.9		46					0.07					0.17		
T3-1m	9/24/18	1058	0.07	2.3	0.16	2.3	0.21	3.0	0.6	17	0.33	10.3	2.7	38				0.09	34.77	27.7	8.16	5.30	0.14		
T3-1m	#####	1126	0.05	1.4	0.42	5.9	0.39	5.5	0.6	17	0.40	12.4	3.7	52				0.11	35.00	27.4	8.23	4.71	0.12		
T3-1m	1/22/19	1111	0.11	3.4	0.25	3.5	0.06	0.9	1.0	29	0.41	12.7	2.5	34				0.07	35.02	25.1	8.22	5.84	0.22		
T3-1m	4/16/19	1115	0.15	4.5	0.26	3.6	0.10	1.4	2.0	55	0.40	12.5	2.7	38				0.07	35.59	25.9	8.17	7.59	0.17		
Geomear FY '19			2.6		3.6		2.1				11.9		40					0.08					0.16		
T3-1m	8/13/19	1056	0.05	1.6	0.16	2.3	0.22	3.1	2.1	58	0.29	9.0	2.0	28				0.11	35.58	28.3	8.21	7.00	0.13		
T3-1m	#####	1025	0.12	3.7	0.24	3.4	0.09	1.2	0.4	12	0.43	13.4	3.0	43				0.09	34.80	27.6	8.24	6.83	0.36		
T3-1m	1/22/20	1046	0.13	3.9	0.02	0.3	0.09	1.3	0.8	22	0.40	12.4	3.0	41				0.04	34.94	25.1	8.22	6.88	0.12		
T3-1m	6/24/20	1114	0.10	3.2	0.16	2.3	0.06	0.8	2.2	62	0.29	8.9	2.6	36				0.07	35.46	26.0	8.19	7.05	0.29		
Geomear FY '20			2.9		1.5		1.4				10.7		37					0.07					0.20		
T3-1m	9/22/20	1149	0.16	4.9	0.32	4.5	0.46	6.4	2.3	64	0.35	10.7	5.6	78				0.03	35.65	26.1	8.18	5.13	0.23		
T3-1m	#####	1156	0.21	6.4	0.45	6.3	0.36	5.1	2.0	55	0.27	8.4	6.1	86				0.07	35.75	26.8	8.14	6.95	0.18		
T3-1m	3/9/21	1003	0.29	9.0	0.04	0.6	0.28	3.9	1.3	37	0.39	12.0	4.4	61				0.08	35.73	24.7	8.07	6.92	0.18		
T3-1m	5/25/21	1040	0.07	2.2	0.56	7.9	0.25	3.5	4.2	119	0.21	6.5	10.9	153				0.11	35.69	25.5	8.00	7.18	0.13		
Geomear FY '21			5.0		3.4		4.6				9.2		89					0.07					0.18		
T3-1m	9/24/21	932	0.09	2.9	0.36	5.1	0.24	3.4	0.4	12	0.23	7.0	4.3	61				0.09	35.54	26.6	8.01	6.89	0.17		
T3-1m	#####	1029	0.13	4.1	0.43	6.0	0.11	1.6	1.0	28	0.28	8.6	5.0	71				0.07	35.10	25.9	8.12	6.89	0.12		
T3-1m	3/16/22	851	0.15	4.5	0.78	10.9	0.01	0.1	1.8	50	0.33	10.2	4.9	68				0.08	34.94	25.4	8.09	6.96	0.21		
T3-1m	6/8/22	1012	0.11	3.5	0.23	3.2	0.33	4.6	0.6	18	0.26	8.0	4.4	62				0.13	34.48	26.2	8.08	6.98	0.20		
Geomear FY '22			3.7		5.7		1.3				8.4		65					0.09					0.17		
T3-1m	9/21/22	957	0.01	0.4	0.29	4.1	0.05	0.7	0.5	13	0.28	8.6	5.3	74				0.11	34.93	27.0	8.13	6.91	0.19		
T3-1m	#####	1026	0.08	2.5	0.27	3.8	0.08	1.1	0.6	18	0.17	5.4	5.1	72				0.07	34.96	25.7	8.14	7.02	0.25		
T3-1m	3/15/23	935	0.11	3.5	0.45	6.3	0.11	1.6	2.1	59	0.26	8.1	5.9	83				0.08	34.69	24.5	8.09	7.13	0.28		
T3-1m	5/15/23	1013	0.06	1.8	0.41	5.8	0.11	1.6	1.8	50	0.20	6.1	4.2	59				0.10	34.72	25.7	8.07	6.97	0.14		
Geomear FY '23			1.6		4.9		1.2				6.9		71					0.09					0.21		

NELHA Water Quality Laboratory

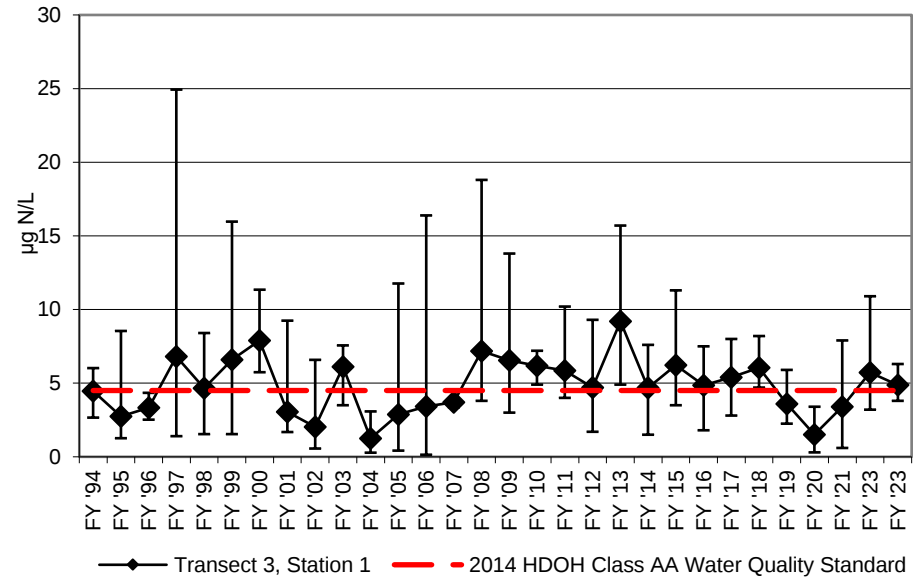
Transect 3, Station 1

8/3/1993 - 7/10/2025

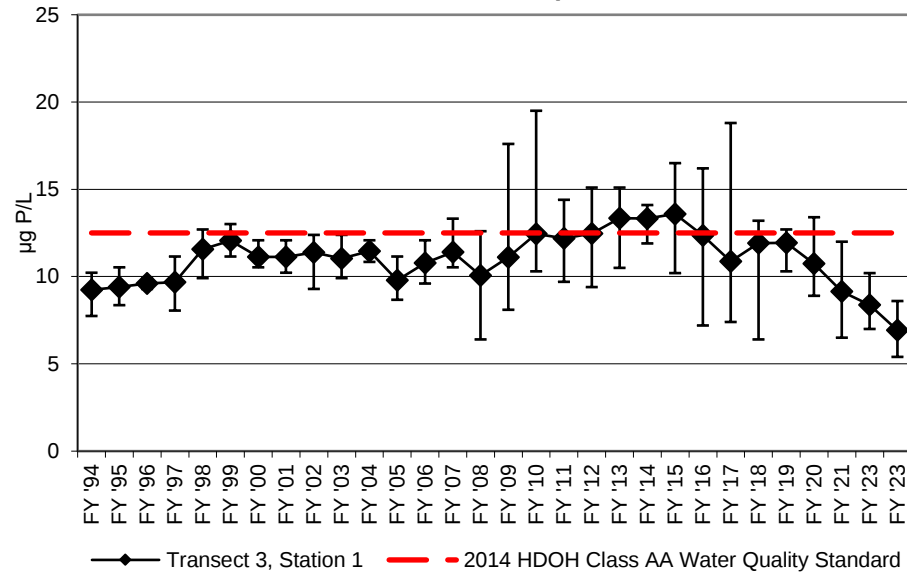
**Yearly Geometric Mean
Ortho-Phosphate**



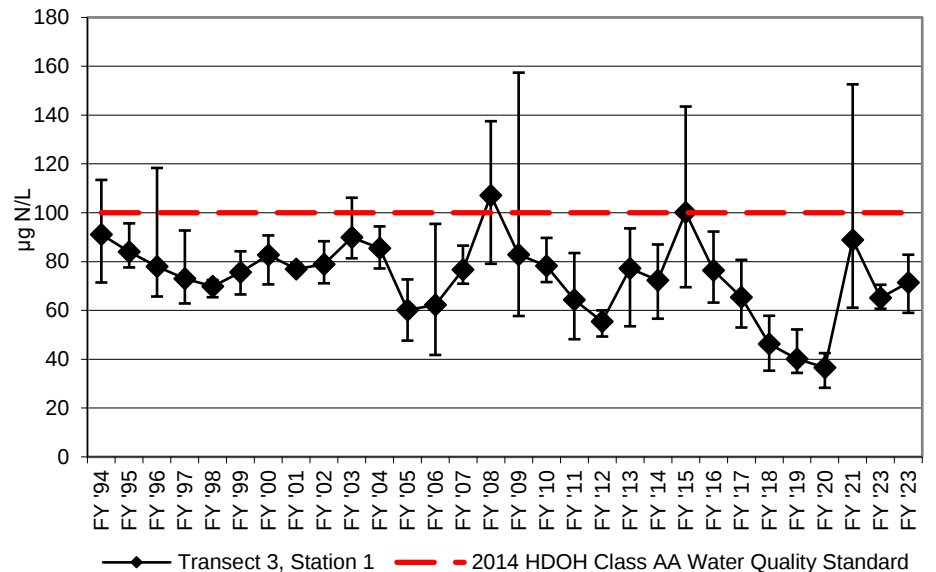
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

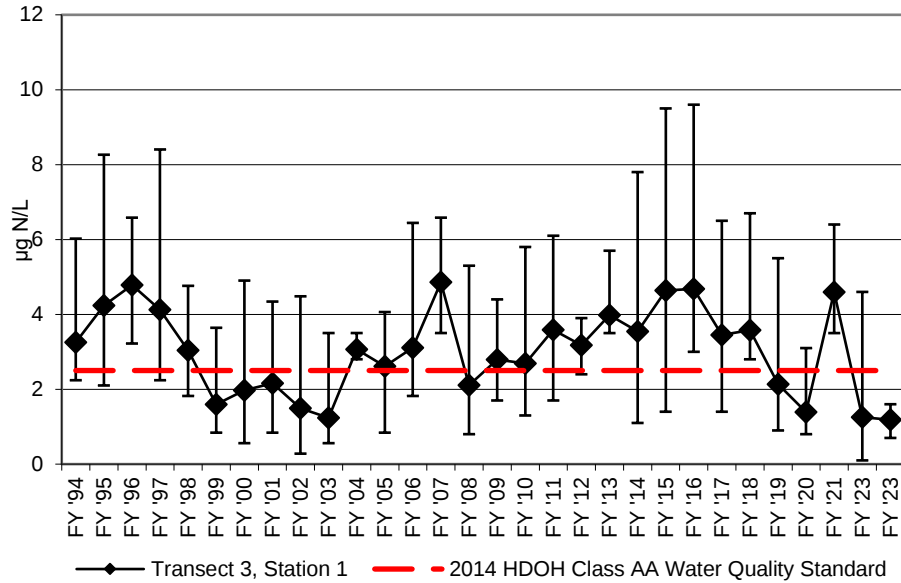


NELHA Water Quality Laboratory

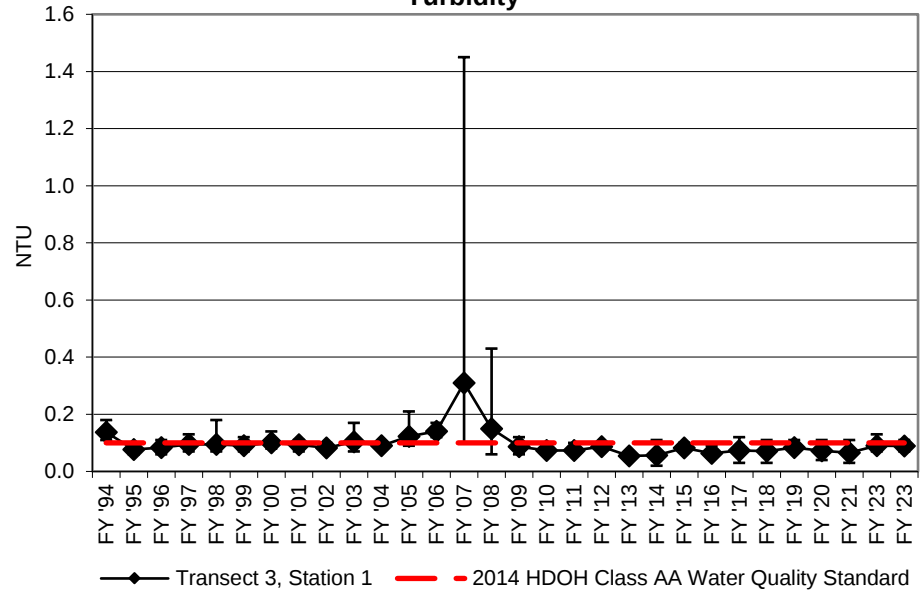
Transect 3, Station 1

8/3/1993 - 7/10/2025

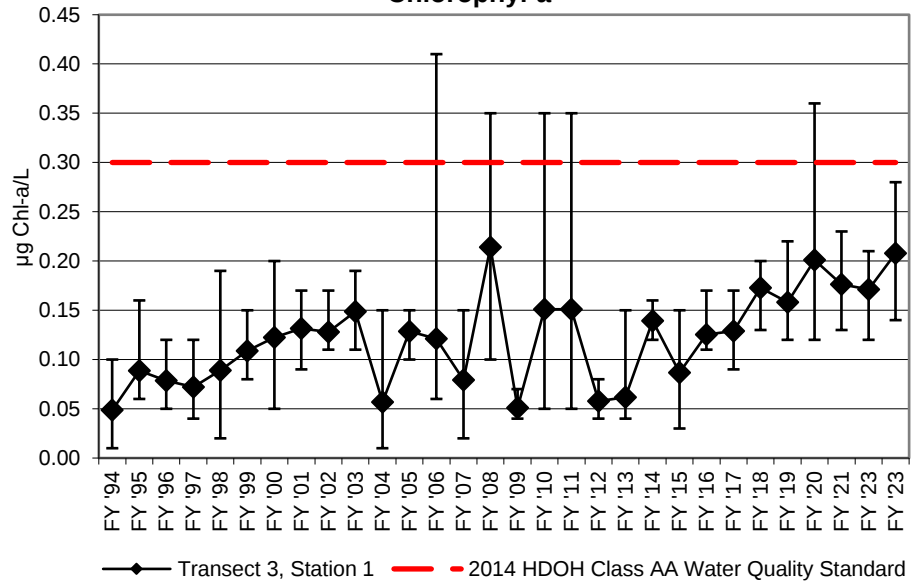
**Yearly Geometric Mean
Total Ammonia**



**Yearly Geometric Mean
Turbidity**



**Yearly Geometric Mean
Chlorophyll-a**



NELHA Water Quality Laboratory

Transect 3, Station 2

8/3/1993 - 7/10/2025

SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ⁻ (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
O3-2S-23n	8/3/93	1047	0.12	3.7	0.29	4.1	0.39	5.5	3.6	101			5.89	82.50	0.06	34.502	26.8			
O3-2S-23n	12/8/93	1058	0.09	2.8	0.21	2.9	0.14	2.0	2.7	77					0.07	34.788	25.7			
O3-2S-23n	3/8/94	1020	0.20	6.2	0.40	5.6	0.33	4.6	3.6	100					0.09	34.204	25.2			
O3-2S-23n	6/13/94	1012	0.13	4.0	0.29	4.1	0.11	1.5	4.5	127					0.16	34.520	25.7			
Geomean	FY '94		4.0		4.1		3.0								0.09					
O3-2S-23n	9/8/94	852	0.09	2.8	0.15	2.1	0.18	2.5	3.5	98					0.09	34.630	27.6			
O3-2S-23n	11/15/94	930	0.17	5.3	0.58	8.1	0.59	8.3	5.1	144					0.11	34.551	26.0			
O3-2S-23n	3/21/95	834	0.19	5.9	0.14	2.0	0.11	1.5	4.2	119					0.09	34.226	25.0			
O3-2S-23n	6/21/95	947	0.11	3.4	0.04	0.6	0.34	4.8	1.7	48					0.06	34.475	26.2			
Geomean	FY '95		4.1		2.1		3.5								0.09					
O3-2S-23n	9/25/95	1210	0.12	3.7	0.25	3.5	0.28	3.9	3.5	98					0.12	34.521	27.3			
O3-2S-23n	11/13/95	825	0.15	4.6	0.17	2.4	0.55	7.7	2.2	62					0.06	34.388	26.6			
O3-2S-23n	3/11/96	1219	0.12	3.7	0.29	4.1	0.49	6.9	2.3	64					0.08	34.192	25.5			
O3-2S-23n	5/13/96	1124	0.13	4.0	0.36	5.0	0.23	3.2	3.7	105					0.09	34.289	27.0			
Geomean	FY '96		4.0		3.6		5.1								0.08					
O3-2S-23n	7/30/96	1045	0.11	3.4	0.61	8.5	0.31	4.3	4.5	125					0.10	34.434	28.4			
O3-2S-23n	10/1/96	925	0.07	2.2	0.04	0.6	0.62	8.7	2.3	65					0.08	34.689	27.9			
O3-2S-23n	1/6/97	928	0.12	3.7	0.68	9.5	0.16	2.2	4.0	112					0.12	34.655	25.3			
O3-2S-23n	4/21/97	909	0.11	3.4	1.83	25.6	0.28	3.9	3.3	93					0.14	34.530	26.4			
Geomean	FY '97		3.1		5.8		4.3								0.11					
O3-2S-23n	8/18/97	903	0.11	3.4	0.46	6.4	0.20	2.8	4.7	133					0.10	34.617	27.0			
O3-2S-23n	10/6/97	927	0.11	3.4	0.03	0.4	0.32	4.5	2.9	81					0.08	34.707	27.4			
O3-2S-23n	3/3/98	926	0.07	2.2	0.15	2.1	0.24	3.4	2.5	71					0.08	35.027	24.9			
O3-2S-23n	5/4/98	1239	0.10	3.1	0.08	1.1	0.10	1.4	30.3	851					0.06	35.078	24.0			
Geomean	FY '98		3.0		1.6		2.8								0.08					
O3-2S-23n	7/6/98	941	0.12	3.7	0.55	7.7	0.05	0.7	5.6	157					0.09	34.949	26.1			
O3-2S-23n	10/5/98	916	0.08	2.5	0.06	0.8	0.09	1.3	2.4	69					0.08	35.107	27.2			
O3-2S-23n	1/13/99	916	0.10	3.1	0.68	9.5	0.26	3.6	3.5	99					0.07	35.063	24.8			
O3-2S-23n	4/13/99	911	0.17	5.3	0.71	9.9	0.11	1.5	4.3	121					0.11	34.617	24.2			
Geomean	FY '99		3.5		5.0		1.5								0.09					

NELHA Water Quality Laboratory

Transect 3, Station 2

8/3/1993 - 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
O3-2S-23n	7/13/99	945	0.14	4.3	0.43	6.0	0.04	0.6	4.1	115					0.08	34.909	26.0			
O3-2S-23n	10/25/99	928	0.13	4.0	0.70	9.8	0.33	4.6	5.1	142					0.11	34.932	26.1			
O3-2S-23n	1/4/00	939	0.11	3.4	0.61	8.5	0.35	4.9	4.6	130					0.08	35.066	24.8			
O3-2S-23n	5/16/00	1005	0.16	5.0	0.41	5.7	0.10	1.4	4.7	133					0.10	34.636	25.2			
Geomean FY '00			4.1		7.3		2.1								0.09					
O3-2S-23n	7/24/00	947	0.10	3.1	0.11	1.5	0.01	0.1	3.0	85					0.06	34.884	27.3			
O3-2S-23n	10/30/00	958	0.12	3.7	0.14	2.0	0.29	4.1	4.9	139					0.08	34.979	27.0			
O3-2S-23n	2/26/01	958	0.15	4.6	0.10	1.4	0.16	2.2	3.1	87					0.07	34.728	24.8			
O3-2S-23n	5/8/01	920	0.14	4.3	0.51	7.1	0.21	2.9	8.4	235					0.07	34.792	24.9			
Geomean FY '01			3.9		2.3		1.4								0.07					
O3-2S-23n	8/13/01	943	0.10	3.1	0.05	0.7	0.29	4.1	2.8	79					0.09	34.892	26.6			
O3-2S-23n	10/10/01	928	0.14	4.3	0.08	1.1	0.04	0.6	3.1	88					0.10	34.935	27.4			
O3-2S-23n	3/4/02	1059	0.10	3.1	0.02	0.3	0.02	0.3	1.7	47					0.08	34.670	24.2			
O3-2S-23n	4/16/02	1112	0.17	5.3	0.43	6.0	0.35	4.9	7.1	199					0.09	34.396	25.7			
Geomean FY '02			3.8		1.1		1.3								0.09					
O3-2S-23n	7/9/02	1003	0.13	4.0	0.43	6.0	0.18	2.5	4.1	114					0.07	34.640	26.6			
O3-2S-23n	10/7/02	1059	0.08	2.5	0.30	4.2	0.25	3.5	3.1	88					0.09	34.923	27.1			
O3-2S-23n	3/10/03	1026	0.14	4.3	0.26	3.6	0.03	0.4	3.0	83					0.07	34.808	24.8			
O3-2S-23n	4/22/03	1005	0.08	2.5	0.28	3.9	0.05	0.7	2.5	71					0.17	35.018	25.0			
Geomean FY '03			3.2		4.4		1.3								0.09					
O3-2S-23n	8/19/03	1109	0.07	2.2	0.01	0.1	0.20	2.8	1.5	43					0.08	34.817	28.2			
O3-2S-23n	10/30/03	841	0.09	2.8	0.02	0.3	0.20	2.8	2.0	56					0.16	34.862	27.4			
O3-2S-23n	3/17/04	948	0.13	4.0	0.01	0.1	0.21	2.9	1.4	40					n/a	34.347	26.0			
O3-2S-23n	5/20/04	1112	0.12	3.7	0.03	0.4	0.18	2.5	2.0	56					n/a	33.53	26.8			
Geomean FY '04			3.1		0.2		2.8								0.11					
O3-2S-23n	9/20/04	1047	0.08	2.5	0.03	0.4	0.31	4.3	1.9	53					0.09	33.78	28.1			
O3-2S-23n	11/17/04	1017	0.08	2.5	0.09	1.3	0.19	2.7	1.4	38					0.06	33.73	27.2			
O3-2S-23n	1/13/05	1142	0.04	1.2	0.01	0.1	0.08	1.1	1.8	51					0.06	34.856	24.9			
O3-2S-23n	4/11/05	1152	0.14	4.3	0.86	12.0	0.24	3.4	3.8	106					0.14	34.449	25.3			
Geomean FY '05			2.4		1.0		2.6								0.08					

NELHA Water Quality Laboratory

Transect 3, Station 2

8/3/1993 - 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
O3-2S-23r	7/20/05	1137	0.09	2.8	0.25	3.5	0.17	2.4	3.0	84					0.17	34.674	26.7			
O3-2S-23r	10/11/05	1028	0.05	1.5	0.01	0.1	0.17	2.4	1.3	36					0.11	34.847	27.5			
O3-2S-23r	3/14/06	854	0.10	3.1	0.09	1.3	0.30	4.2	1.5	41					0.10	34.760	24.5			
O3-2S-23r	5/15/06	1058	0.19	5.9	0.09	1.3	0.17	2.4	1.8	51					0.13	34.872	24.8			
Geomean FY '06			3.0		0.9		2.7								0.12					
O3-2S-23r	8/14/06	1100	0.12	3.7	0.26	3.6	0.16	2.2	3.1	87					0.11	34.599	26.8			
O3-2S-23r	11/1/06	1105	0.08	2.5	0.16	2.2	0.41	5.7	2.0	56					0.76	34.806	27.4			
O3-2S-23r	2/12/07	1124	0.12	3.7	0.07	1.0	0.37	5.2	1.4	38					0.19	34.487	24.7			
O3-2S-23r	4/9/07	1101	0.12	3.7	0.44	6.2	0.32	4.5	5.3	149					0.16	34.585	25.4			
Geomean FY '07			3.4		2.7		4.2								0.22					
T3-10m	9/26/07	1041	0.16	5.0	0.41	5.7	0.40	5.6	16.0	449	0.39	12.0	5.5	78	0.10	34.974	26.8	8.21	6.47	0.15
T3-10m	12/13/07	1203	0.11	3.5	0.59	8.3			6.5	181	0.37	11.5	5.6	79	0.09	34.658	25.8	8.25	6.70	0.24
T3-10m	3/10/08	1050	0.20	6.1	1.58	22.1	0.06	0.8	9.6	271	0.43	13.2	7.5	106	0.19	34.848	24.8	8.18	6.97	0.29
T3-10m	6/5/08	1055	0.14	4.3	0.38	5.3	0.16	2.2	24.1	676	0.22	6.7	6.5	91	0.05	34.799	25.1	8.17	6.68	0.29
Geomean FY '08			4.6		8.6		2.1				10.5		87		0.10					0.23
T3-10m	9/22/08	1149	0.05	1.4	0.17	2.4	0.15	2.1	1.8	51	0.32	10.0	5.0	70	0.12	34.829	26.7	8.05	6.58	0.06
T3-10m	11/17/08	1029	0.19	5.8	0.20	2.8	0.14	1.9	2.9	82	0.36	11.3	4.7	66	0.08	34.960	25.9	8.27	6.20	0.01
T3-10m	2/9/09	1037	0.14	4.2	1.01	14.2	0.12	1.7	4.5	126	0.33	10.2	10.6	149	0.08	35.059	25.0	8.06	6.39	0.04
T3-10m	4/13/09	1017	0.16	4.9	1.04	14.5	1.72	24.1	3.9	109	0.50	15.4	10.4	146	0.10	34.936	23.8	8.19	6.36	0.11
Geomean FY '09			3.6		6.1		3.6				11.5		100		0.09					0.04
T3-10m	9/9/09	1039	1.41	43.8	0.59	8.2	1.09	15.3	5.5	154	0.54	16.7	5.2	73	0.08	35.25	27.1	8.22	5.55	0.17
T3-10m	11/23/09	1045	0.03	0.8	0.58	8.1	0.29	4.1	9.1	255	0.41	12.8	5.3	75	0.07	35.23	25.1	8.30	6.56	0.13
T3-10m	2/23/10	1047	0.19	5.8	0.39	5.5	0.49	6.8	17.4	489	0.39	12.0	6.4	89	0.08	35.08	24.6	8.18	6.31	0.2
T3-10m	5/25/10	957	0.06	2	0.45	6.3	0.18	2.5	11.1	311	0.30	9.4	4.5	63	0.08	34.95	25.0	8.21	7.00	0.1
Geomean FY '10			4.5		6.9		5.7				12.5		74		0.08					0.14
T3-10m	8/10/10	1050	0.08	2.6	1.10	15.4	0.12	1.7	3.7	104	0.67	20.6	2.2	31	0.09	34.83	26.28	8.24	6.70	0.08
T3-10m	11/8/10	1030	0.02	0.7	0.42	5.9	0.37	5.2	9.8	275	0.37	11.5	5.0	71	0.09	35.31	26.61	8.26	6.49	0.08
T3-10m	1/11/11	1044	0.14	4.3	0.35	4.9	0.12	1.7	25.7	722	0.43	13.4	4.3	61	0.08	34.97	24.97	8.23	6.65	0.11
T3-10m	4/26/11	1048	0.15	4.8	0.35	4.9	0.24	3.4	2.4	67	0.40	12.5	3.2	46	0.08	34.97	24.98	8.21	6.61	0.15
Geomean FY '11			2.5		6.8		2.7				14.1		49		0.08					0.10

NELHA Water Quality Laboratory

Transect 3, Station 2

8/3/1993 - 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
T3-10m	7/26/11	1119	0.19	6	0.26	3.6	0.14	2	1.3	38	0.46	14.1	3.6	51	0.06	34.81	26.07	8.28	6.76	0.07
T3-10m	10/18/11	1035	0.03	0.8	0.11	1.5	0.24	3.3	1.9	53	0.27	8.5	3.3	46	0.10	35.06	26.80	8.24	7.06	0.11
T3-10m	1/25/12	1101	0.13	3.9	0.91	12.7	0.14	1.9	3.4	96	0.42	13.0	5.4	75	0.07	34.98	24.64	8.21	7.28	0.11
T3-10m	4/24/12	1131	0.15	4.5	0.61	8.5	0.37	5.2	2.0	55	0.43	13.4	4.6	65	0.11	35.11	24.93	8.22	6.99	0.16
Geomean FY '12			3.0		4.9		2.8				12.0		58		0.08					0.11
T3-10m	7/24/12	1045	0.06	1.9	0.36	5.1	0.25	3.5	1.4	40	0.30	9.4	4.2	59	0.10	35.06	26.36	8.24	6.97	0.10
T3-10m	11/27/12	1029	0.14	4.3	1.28	17.9	0.37	5.2	4.4	125	0.46	14.3	5.7	80	0.03	35.14	25.03	8.21	7.13	0.08
T3-10m	1/23/13	1040	0.10	3.1	0.48	6.7	0.37	5.2	2.4	67	0.49	15.2	7.0	98	0.03	35.08	24.72	8.21	6.69	0.03
T3-10m	4/16/13	1048	0.16	4.9	0.76	10.7	0.16	2.3	2.5	71	0.46	14.4	5.9	83	0.03	35.11	25.01	8.23	6.93	0.15
Geomean FY '13			3.3		9.0		3.8				13.1		79		0.04					0.08
T3-10m	8/1/13	956	0.05	1.7	0.24	3.3	0.16	2.3	2.4	68	0.37	11.4	5.1	71	0.09	35.26	26.3	8.26	7.03	0.10
T3-10m	10/29/13	1025	0.15	4.5	0.59	8.2	0.36	5.0	2.6	72	0.45	14.0	6.0	85	0.02	35.26	27.1	8.22	6.57	0.15
T3-10m	2/4/14	1037	0.09	2.8	0.65	9.1	0.49	6.9	2.1	58	0.36	11.1	5.1	72	0.02	35.09	25.2	8.20	6.52	0.09
T3-10m	5/6/14	1040	0.10	3.2	0.47	6.6	0.37	5.2	3.2	89	0.50	15.6	7.3	103	0.04	34.74	25.9	8.20	6.28	0.15
Geomean FY '14			2.9		6.3		4.5				12.9		82		0.03					0.12
T3-10m	8/5/14	1037	0.19	5.8	0.21	2.9	0.42	5.9	1.4	39	0.50	15.5	4.4	62	0.10	34.95	26.8	8.22	6.01	0.17
T3-10m	11/17/14	1213	0.17	5.2	0.29	4.1	0.36	5.0	0.3	9	0.45	13.9	6.9	97	0.06	34.95	27.2	8.22	7.04	0.18
T3-10m	3/3/15	1041	0.04	1.2	0.34	4.8	0.33	4.6	10.0	282	0.34	10.6	11.0	155	0.06	34.84	25.6	8.19	6.98	0.12
T3-10m	6/16/15	1252	0.12	3.7	0.47	6.6	0.34	4.8	3.1	86	0.42	13.1	7.2	101	0.06	34.27	26.8	8.23	6.32	0.13
Geomean FY '15			3.4		4.4		5.1				13.2		98		0.07					0.15
T3-10m	8/26/15	1030	0.17	5.4	0.36	5.0	0.34	4.7	3.2	90	0.21	6.5	5.5	77	0.02	34.35	28.4	8.22	6.26	0.35
T3-10m	11/17/15	1056	0.15	4.5	0.50	7.0	0.09	1.3	3.8	107	0.51	15.7	6.9	97	0.07	34.01	27.5	8.23	6.50	0.12
T3-10m	3/1/16	1102	0.17	5.2	0.46	6.5	0.34	4.7	0.1	3	0.52	16.1	4.5	63	0.08	34.80	25.4	8.24	5.93	0.09
T3-10m	5/3/16	1026	0.10	3.1	0.21	3.0	0.17	2.4	0.6	17	0.42	12.9	6.0	85	0.08	34.68	25.7	8.26	6.45	0.17
Geomean FY '16			4.4		5.1		2.9				12.1		79		0.05					0.16
T3-10m	7/6/16	1148	0.11	3.3	0.15	2.1	0.47	6.6	0.3	8	0.54	16.6	5.3	75	0.09	34.59	27.2	8.30	6.76	0.25
T3-10m	12/20/16	1117	0.08	2.6	0.51	7.2	0.22	3.1	2.1	59	0.36	11.2	3.6	50	0.03	34.73	25.6	8.28	5.96	0.13
T3-10m	2/28/17	1010	0.02	0.7	0.48	6.7	0.14	1.9	1.1	32	0.29	9.1	4.8	68	0.07	34.65	24.7	8.21	5.69	0.14
T3-10m	5/10/17	958	0.03	0.9	0.40	5.6	0.06	0.8	1.4	39	0.22	6.8	3.5	49	0.09	34.77	25.7	8.21	4.33	0.08
Geomean FY '17			1.5		4.9		2.4				10.4		59		0.06					0.14

NELHA Water Quality Laboratory

Transect 3, Station 2

8/3/1993 - 7/10/2025

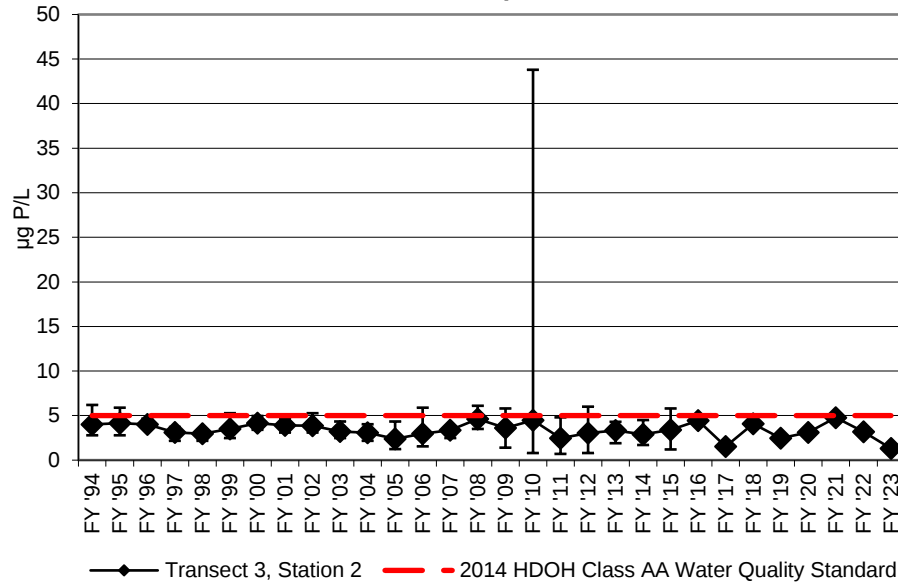
SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T3-10m	9/27/17	1157	0.13	4.1	0.28	3.9	0.23	3.2	1.1	30	0.42	12.9	3.7	51	0.08	34.80	28.0	8.21	4.27	0.20
T3-10m	11/28/17	1151	0.13	4.0	0.44	6.2	0.54	7.5	1.9	52	0.40	12.3	3.3	46	0.08	35.05	26.2	8.21	4.94	0.15
T3-10m	1/30/18	1135	0.16	4.9	0.59	8.3	0.24	3.4	3.4	95	0.38	11.8	3.8	53	0.09	34.80	24.6	8.18	5.38	0.09
T3-10m	5/16/18	1129	0.11	3.5	0.32	4.5	0.18	2.5	2.8	78	0.36	11.2	2.3	32	0.07	34.73	25.7	8.19	6.31	0.13
Geomean FY '18			4.1		5.5		3.8				12.0		45		0.08					0.14
T3-10m	9/24/18	1107	0.06	2.0	0.16	2.3	0.27	3.8	0.5	13	0.33	10.3	2.7	38	0.09	34.79	27.7	8.16	5.24	0.14
T3-10m	11/13/18	1130	0.05	1.4	0.34	4.7	0.35	4.9	0.3	9	0.37	11.4	3.5	49	0.07	35.00	27.4	8.23	4.73	0.12
T3-10m	1/22/19	1114	0.10	3.1	0.11	1.6	0.06	0.9	0.6	16	0.37	11.6	2.3	33	0.06	35.03	25.2	8.22	5.70	0.17
T3-10m	4/16/19	1121	0.14	4.2	0.21	3.0	0.06	0.8	1.9	55	0.38	11.9	3.0	42	0.05	35.60	25.9	8.17	7.49	0.17
Geomean FY '19			2.5		2.7		1.9				11.3		40		0.07					0.15
T3-10m	8/13/19	1103	0.06	1.9	0.16	2.3	0.25	3.5	2.1	59	0.29	9.0	2.4	34	0.12	35.62	28.3	8.22	6.95	0.14
T3-10m	11/19/19	1029	0.12	3.8	0.21	2.9	0.20	2.8	1.5	42	0.43	13.4	3.2	45	0.09	34.77	27.6	8.24	6.84	0.34
T3-10m	1/22/20	1051	0.13	3.9	0.01	0.1	0.09	1.3	0.8	23	0.40	12.4	2.9	40	0.07	34.91	25.1	8.22	6.91	0.16
T3-10m	6/24/20	1119	0.11	3.3	0.16	2.3	0.13	1.8	2.1	58	0.31	9.6	2.4	34	0.06	35.46	26.0	8.18	6.97	0.32
Geomean FY '20			3.1		1.1		2.2				10.9		38		0.08					0.22
T3-10m	9/22/20	1154	0.19	5.9	0.36	5.1	0.29	4.1	1.8	50	0.39	12.0	5.6	78	0.02	35.66	26.1	8.18	5.13	0.21
T3-10m	12/15/20	1201	0.16	5.0	0.44	6.1	0.49	6.9	1.5	43	0.28	8.8	6.0	84	0.07	35.74	26.8	8.13	6.86	0.19
T3-10m	3/9/21	1007	0.27	8.4	0.01	0.2	0.26	3.7	1.0	28	0.31	9.7	4.1	57	0.10	35.73	24.7	8.08	6.93	0.21
T3-10m	5/25/21	1044	0.07	2.1	0.55	7.7	0.21	2.9	4.6	129	0.18	5.6	6.7	94	0.13	35.67	25.6	8.02	7.17	0.14
Geomean FY '21			4.8		2.6		4.2				8.7		77		0.07					0.19
T3-10m	9/24/21	936	0.05	1.4	0.34	4.8	0.24	3.4	0.4	11	0.21	6.4	4.6	65	0.08	35.55	26.6	8.01	6.87	0.15
T3-10m	12/14/21	1033	0.14	4.4	0.44	6.1	0.19	2.6	0.8	22	0.28	8.8	5.0	70	0.13	35.10	25.9	8.12	6.82	0.14
T3-10m	3/16/22	856	0.15	4.8	0.55	7.7	0.08	1.1	1.1	31	0.34	10.6	4.6	65	0.03	34.91	25.4	8.04	6.95	0.19
T3-10m	6/8/22	1017	0.11	3.4	0.22	3.1	0.44	6.1	0.6	17	0.27	8.3	4.3	60	0.09	34.49	26.2	8.07	6.89	0.22
Geomean FY '22			3.2		5.1		2.8				8.4		65		0.07					0.17
T3-10m	9/21/22	1002	0.04	1.1	0.30	4.2	0.21	2.9	0.4	10	0.26	8.0	4.5	63	0.19	34.93	27.0	8.12	6.77	0.20
T3-10m	12/27/22	1030	0.02	0.5	0.27	3.8	0.15	2.1	0.6	18	0.17	5.3	4.9	69	0.11	34.96	25.7	8.14	6.96	0.21
T3-10m	3/15/23	939	0.12	3.8	0.56	7.8	0.16	2.2	2.3	65	0.23	7.1	4.8	67	0.13	34.70	24.5	8.09	7.06	0.20
T3-10m	5/15/23	1017	0.05	1.4	0.44	6.1	0.24	3.3	1.5	43	0.20	6.3	4.6	64	0.13	34.72	25.7	8.07	6.93	0.14
Geomean FY '23			1.3		5.2		2.6				6.6		66		0.14					0.19

NELHA Water Quality Laboratory

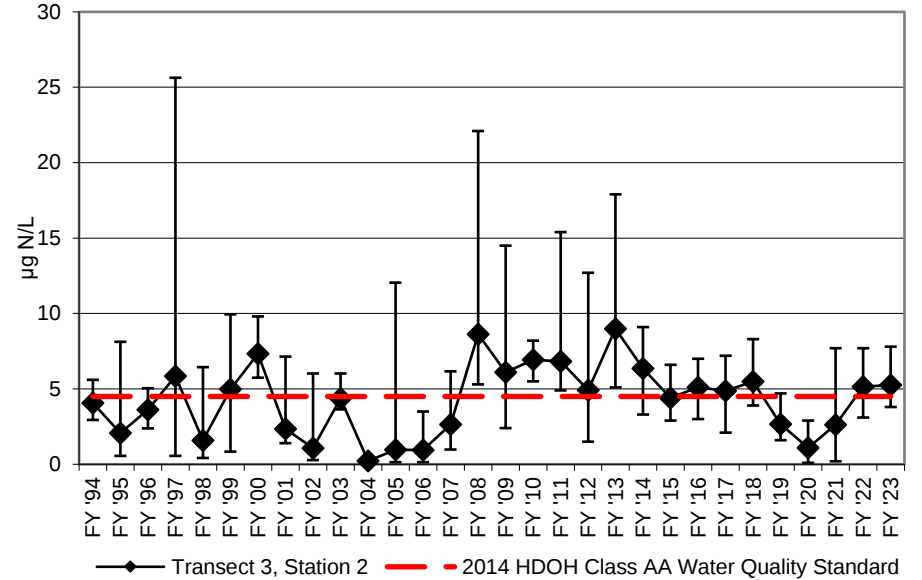
Transect 3, Station 2

8/3/1993 - 7/10/2025

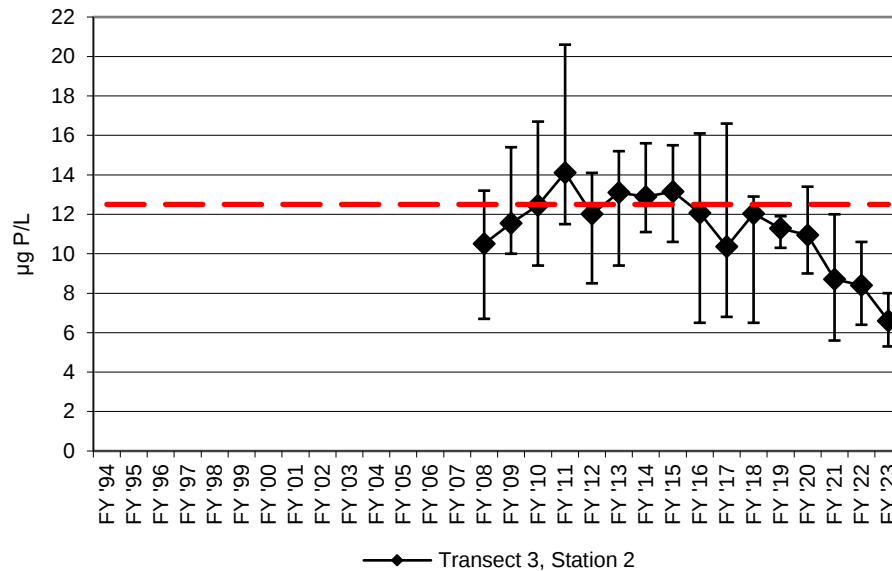
**Yearly Geometric Mean
Ortho-Phosphate**



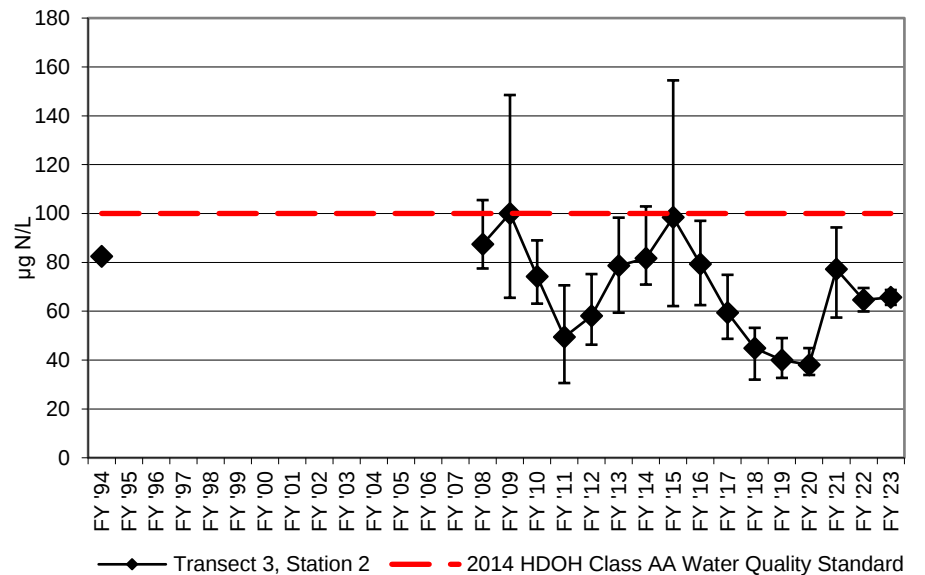
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

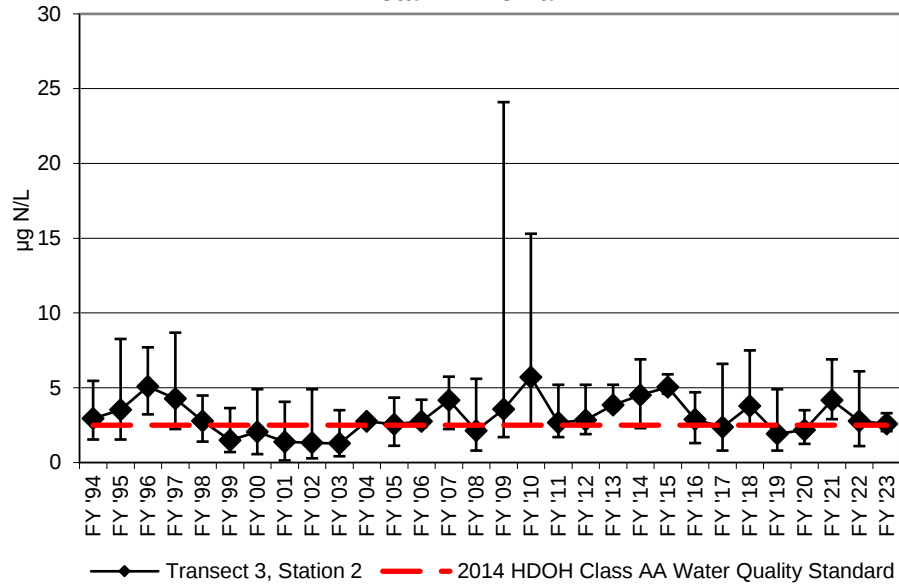


NELHA Water Quality Laboratory

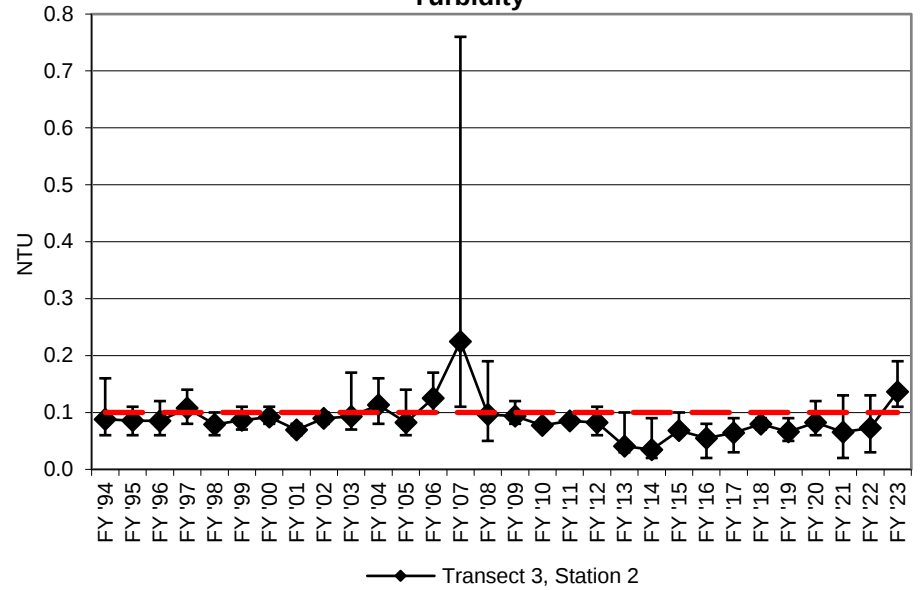
Transect 3, Station 2

8/3/1993 - 7/10/2025

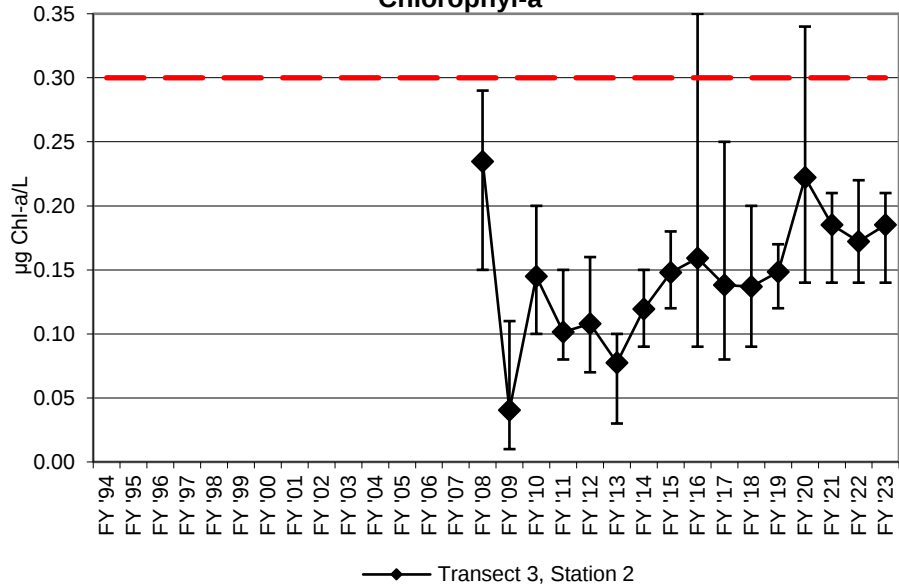
**Yearly Geometric Mean
Total Ammonia**



**Yearly Geometric Mean
Turbidity**



**Yearly Geometric Mean
Chlorophyll-a**



NELHA Water Quality Laboratory

Transect 3, Station 3

8/3/1993 - 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
O3-3S-38r	8/3/93	1039	0.12	3.7	0.12	1.7	0.35	4.9	2.5	70					0.07	34.472	26.9			
O3-3S-38r	12/8/93	1052	0.10	3.1	0.14	2.0	0.11	1.5	2.8	78					0.10	34.796	25.7			
O3-3S-38r	3/8/94	1015	0.19	5.9	0.31	4.3	0.26	3.6	3.5	98					0.07	34.213	25.1			
O3-3S-38r	6/13/94	1006	0.12	3.7	0.30	4.2	0.06	0.8	5.7	160					0.12	34.527	25.6			
Geomean FY '94			4.0		2.8		2.2								0.09					
O3-3S-38r	9/8/94	850	0.08	2.5	0.09	1.3	0.20	2.8	2.0	55					0.10	34.624	27.6			
O3-3S-38r	11/15/94	927	0.16	5.0	0.41	5.7	0.61	8.5	4.3	122					0.07	34.581	26.0			
O3-3S-38r	3/21/95	823	0.20	6.2	0.12	1.7	0.06	0.8	4.7	132					0.09	34.226	24.9			
O3-3S-38r	6/21/95	945	0.08	2.5	0.07	1.0	0.35	4.9	2.7	77					0.08	34.478	26.3			
Geomean FY '95			3.7		1.9		3.2								0.08					
O3-3S-38r	9/25/95	1220	0.17	5.3	0.29	4.1	0.34	4.8	4.3	120					0.14	34.492	27.3			
O3-3S-38r	11/13/95	835	0.14	4.3	0.14	2.0	0.50	7.0	8.7	245					0.05	34.395	26.7			
O3-3S-38r	3/11/96	1216	0.13	4.0	0.23	3.2	0.41	5.7	2.2	61					0.12	34.202	25.5			
O3-3S-38r	5/13/96	1120	0.10	3.1	0.09	1.3	0.17	2.4	2.7	76					0.12	34.297	27.2			
Geomean FY '96			4.1		2.4		4.6								0.10					
O3-3S-38r	7/30/96	1040	0.11	3.4	0.55	7.7	0.31	4.3	4.1	114					0.10	34.422	28.4			
O3-3S-38r	10/1/96	919	0.07	2.2	0.01	0.1	0.66	9.2	2.2	63					0.11	34.689	27.9			
O3-3S-38r	1/6/97	921	0.12	3.7	0.77	10.8	0.18	2.5	4.3	120					0.07	34.661	25.3			
O3-3S-38r	4/21/97	903	0.11	3.4	1.23	17.2	0.27	3.8	8.6	240					0.09	34.534	26.4			
Geomean FY '97			3.1		3.8		4.4								0.09					
O3-3S-38r	8/18/97	858	0.11	3.4	0.37	5.2	0.19	2.7	4.0	112					0.10	34.620	27.0			
O3-3S-38r	10/6/97	916	0.10	3.1	0.01	0.1	0.27	3.8	2.5	71					0.07	34.708	27.5			
O3-3S-38r	3/3/98	918	0.08	2.5	0.13	1.8	0.27	3.8	5.2	146					0.07	35.028	24.9			
O3-3S-38r	5/4/98	1229	0.09	2.8	0.05	0.7	0.09	1.3	2.8	77					0.07	35.086	24.0			
Geomean FY '98			2.9		1.0		2.6								0.08					
O3-3S-38r	7/6/98	935	0.12	3.7	0.58	8.1	0.06	0.8	5.6	157					0.08	34.944	26.2			
O3-3S-38r	10/5/98	910	0.06	1.9	0.01	0.1	0.04	0.6	1.4	38					0.07	35.117	27.2			
O3-3S-38r	1/13/99	911	0.07	2.2	0.21	2.9	0.26	3.6	2.9	82					0.06	35.089	24.8			
O3-3S-38r	4/13/99	906	0.17	5.3	0.60	8.4	0.11	1.5	4.4	122					0.08	34.617	24.2			
Geomean FY '99			3.0		2.3		1.3								0.07					

NELHA Water Quality Laboratory

Transect 3, Station 3

8/3/1993 - 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
O3-3S-38r	7/13/99	937	0.12	3.7	0.31	4.3	0.02	0.3	3.6	101					0.08	34.898	26.0			
O3-3S-38r	10/25/99	922	0.12	3.7	0.56	7.8	0.31	4.3	4.0	112					0.08	34.935	26.1			
O3-3S-38r	1/4/00	932	0.11	3.4	0.54	7.6	0.33	4.6	3.8	106					0.08	35.065	24.8			
O3-3S-38r	5/16/00	1002	0.15	4.6	0.26	3.6	0.05	0.7	4.0	111					0.08	34.671	25.3			
Geomean FY '00			3.8		5.5		1.4								0.08					
O3-3S-38r	7/24/00	942	0.11	3.4	0.29	4.1	0.01	0.1	2.7	74					0.07	34.874	27.3			
O3-3S-38r	10/30/00	950	0.12	3.7	0.04	0.6	0.31	4.3	3.5	99					0.08	34.986	27.0			
O3-3S-38r	2/26/01	953	0.16	5.0	0.22	3.1	0.16	2.2	4.2	117					0.07	34.729	24.8			
O3-3S-38r	5/8/01	917	0.13	4.0	0.67	9.4	0.20	2.8	4.1	116					0.07	34.769	24.8			
Geomean FY '01			4.0		2.8		1.4								0.07					
O3-3S-38r	8/13/01	940	0.10	3.1	0.06	0.8	0.29	4.1	3.0	85					0.13	34.885	26.6			
O3-3S-38r	10/10/01	924	0.14	4.3	0.08	1.1	0.01	0.1	5.7	161					0.07	34.930	27.4			
O3-3S-38r	3/4/02	1056	0.14	4.3	0.53	7.4	0.02	0.3	4.5	126					0.11	34.648	24.2			
O3-3S-38r	4/16/02	1107	0.19	5.9	0.47	6.6	0.44	6.2	5.4	151					0.08	34.396	25.8			
Geomean FY '02			4.3		2.6		1.0								0.09					
O3-3S-38r	7/9/02	957	0.13	4.0	0.31	4.3	0.14	2.0	4.3	121					0.07	34.635	26.6			
O3-3S-38r	10/7/02	1051	0.08	2.5	0.29	4.1	0.22	3.1	5.4	150					0.11	34.918	27.1			
O3-3S-38r	3/10/03	1021	0.12	3.7	0.10	1.4	0.04	0.6	2.4	67					0.13	34.825	24.8			
O3-3S-38r	4/22/03	1001	0.08	2.5	0.29	4.1	0.06	0.8	2.2	63					0.08	35.011	25.1			
Geomean FY '03			3.1		3.2		1.3								0.09					
O3-3S-38r	8/19/03	1057	0.06	1.9	0.01	0.1	0.20	2.8	1.4	40					0.07	34.874	28.1			
O3-3S-38r	10/30/03	833	0.09	2.8	0.02	0.3	0.20	2.8	1.9	52					0.11	34.816	27.4			
O3-3S-38r	3/17/04	942	0.12	3.7	0.01	0.1	0.20	2.8	3.9	110					n/a	34.356	26.0			
O3-3S-38r	5/20/04	1115	0.12	3.7	0.01	0.1	0.17	2.4	1.7	47					n/a	33.46	26.7			
Geomean FY '04			2.9		0.2		2.7								0.09					
O3-3S-38r	9/20/04	1041	0.07	2.2	0.01	0.1	0.26	3.6	2.0	55					0.08	33.68	28.0			
O3-3S-38r	11/17/04	1013	0.06	1.9	0.01	0.1	0.12	1.7	1.6	44					0.06	33.66	27.2			
O3-3S-38r	1/13/05	1135	0.04	1.2	0.06	0.8	0.14	2.0	1.8	51					0.07	34.870	24.8			
O3-3S-38r	4/11/05	1148	0.13	4.0	0.52	7.3	0.18	2.5	3.7	103					0.12	34.460	25.2			
Geomean FY '05			2.1		0.6		2.3								0.08					

NELHA Water Quality Laboratory

Transect 3, Station 3

8/3/1993 - 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
O3-3S-38rr	7/20/05	1132	0.09	2.8	0.26	3.6	0.17	2.4	3.4	95					0.14	34.688	26.5			
O3-3S-38rr	10/11/05	1022	0.05	1.5	0.01	0.1	0.18	2.5	1.3	36					0.10	34.868	27.4			
O3-3S-38rr	3/14/06	846	0.10	3.1	0.07	1.0	0.26	3.6	9.1	256					0.09	34.867	24.4			
O3-3S-38rr	5/15/06	1053	0.15	4.6	0.11	1.5	0.13	1.8	1.6	45					0.16	34.756	24.9			
Geomean FY '06			2.8		0.9		2.5								0.12					
O3-3S-38rr	8/14/06	1053	0.13	4.0	0.14	2.0	0.24	3.4	3.1	86					0.10	34.593	26.7			
O3-3S-38rr	11/1/06	1100	0.09	2.8	0.13	1.8	0.37	5.2	2.0	56					0.36	34.801	27.3			
O3-3S-38rr	2/12/07	1119	0.12	3.7	0.08	1.1	0.28	3.9	1.3	37					0.15	34.462	24.7			
O3-3S-38rr	4/9/07	1053	0.21	6.5	0.37	5.2	0.27	3.8	4.0	113					0.18	34.622	25.4			
Geomean FY '07			4.1		2.1		4.0								0.18					
T3-50m	9/26/07	1047	0.12	3.7	0.37	5.2	0.44	6.2	4.0	113	0.42	13.0	8.7	121	0.11	34.964	26.8	8.22	6.35	0.07
T3-50m	12/13/07	1206	0.08	2.5	0.28	3.9			8.3	232	0.37	11.6	5.6	78	0.08	34.694	25.9	8.23	6.54	0.25
T3-50m	3/10/08	1053	0.14	4.4	0.76	10.7	0.06	0.8	22.9	644	0.42	13.1	7.1	99	0.50	34.872	24.9	8.17	6.83	0.24
T3-50m	6/5/08	1057	0.14	4.2	0.44	6.1	0.16	2.2	15.6	437	0.32	9.8	10.6	149	0.05	34.7972	25.3	8.15	6.68	0.2
Geomean FY '08			3.6		6.0		2.2				11.8		109		0.12					0.17
T3-50m	9/22/08	1154	0.30	9.2	0.11	1.6	0.16	2.2	2.3	64	0.76	23.6	4.0	57	0.16	34.830	26.6	8.04	6.34	0.09
T3-50m	11/17/08	1035	0.16	5	0.16	2.2	0.14	1.9	2.4	66	0.37	11.5	6.1	86	0.09	34.968	26.2	8.26	5.75	0.02
T3-50m	2/9/09	1043	0.13	4	0.83	11.6	0.12	1.7	3.1	86	0.25	7.8	5.4	76	0.14	35.066	24.9	8.05	6.23	0.07
T3-50m	4/13/09	1021	0.23	7	0.29	4	0.25	3.5	2.9	83	0.50	15.4	6.0	84	0.10	34.940	23.9	8.20	6.80	0.07
Geomean FY '09			6.0		3.6		2.2				13.4		75		0.12					0.05
T3-50m	9/9/09	1046	0.16	4.9	0.08	1.1	0.35	4.9	4.6	129	0.53	16.3	5.1	71	0.02	35.24	27.5	8.22	5.46	0.1
T3-50m	11/23/09	1050	0.03	0.8	0.26	3.6	0.11	1.5	11.7	328	0.44	13.5	4.2	59	0.06	35.24	25.3	8.30	6.32	0.08
T3-50m	2/23/10	1056	0.17	5.2	0.20	2.8	0.44	6.1	14.4	404	0.40	12.5	6.3	88	0.16	35.10	24.7	8.17	6.10	0.37
T3-50m	5/25/10	1002	0.06	1.8	0.41	5.8	0.11	1.5	2.8	79	0.29	9.1	4.3	60	0.05	34.97	25.0	8.21	6.96	0.09
Geomean FY '10			2.5		2.8		2.9				12.6		69		0.06					0.13
T3-50m	8/10/10	1055	0.07	2.3	0.99	13.8	0.12	1.7	4.4	125	0.26	8.2	4.1	57	0.07	34.81	26.28	8.24	6.50	0.09
T3-50m	11/8/10	1034	0.04	1.3	0.31	4.4	0.33	4.6	9.6	269	0.39	12.1	4.7	66	0.10	35.35	26.67	8.27	6.24	0.04
T3-50m	1/11/11	1050	0.14	4.2	0.20	2.8	0.19	2.6	3.4	96	0.44	13.6	4.7	66	0.04	34.98	24.97	8.22	6.52	0.15
T3-50m	4/26/11	1053	0.14	4.2	0.31	4.4	0.22	3.1	8.0	226	0.45	14	3.9	55	0.07	34.98	25.02	8.21	6.53	0.08
Geomean FY '11			2.7		5.2		2.8				11.7		61		0.07					0.08

NELHA Water Quality Laboratory

Transect 3, Station 3

8/3/1993 - 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
T3-50m	7/26/11	1126	0.20	6.3	0.31	4.3	0.44	6.1	2.0	56	0.47	14.7	4.3	61	0.04	34.80	26.05	8.27	6.62	0.07
T3-50m	10/18/11	1042	0.02	0.6	0.10	1.4	0.16	2.2	2.0	56	0.30	9.2	3.6	50	0.04	35.06	26.81	8.24	7.08	0.07
T3-50m	1/25/12	1110	0.09	2.9	0.26	3.7	0.12	1.7	2.3	66	0.38	11.9	3.6	50	0.09	35.01	24.78	8.21	7.04	0.01
T3-50m	4/24/12	1138	0.16	4.9	0.64	9	0.33	4.6	3.2	89	0.42	13	4.0	56	0.10	35.05	25.04	8.22	6.93	0.18
Geomean FY '12			2.7		3.8		3.2				12.0		54		0.06					0.05
T3-50m	7/24/12	1051	0.06	1.9	0.29	4	0.30	4.2	1.4	40	0.32	9.8	3.9	55	0.07	35.06	26.39	8.24	6.98	0.07
T3-50m	11/27/12	1033	0.09	2.8	0.41	5.8	0.27	3.8	2.2	62	0.38	11.8	4.2	59	0.04	35.20	25.06	8.21	6.91	0.04
T3-50m	1/23/13	1045	0.09	2.8	0.35	4.9	0.24	3.3	2.8	78	0.43	13.4	4.3	60	0.04	35.07	24.78	8.22	6.44	0.04
T3-50m	4/16/13	1053	0.16	5	0.74	10.4	0.16	2.2	2.8	80	0.48	14.9	5.9	82	0.08	35.10	25.00	8.20	6.88	0.08
Geomean FY '13			2.9		5.9		3.3				12.3		63		0.05					0.05
T3-50m	8/1/13	1000	0.04	1.2	0.16	2.2	0.12	1.7	2.4	67	0.45	13.9	6.6	92	0.08	35.28	26.3	8.26	6.89	0.19
T3-50m	10/29/13	1029	0.13	4.0	0.38	5.3	0.40	5.6	2.5	71	0.45	13.9	5.1	71	0.02	35.25	27.1	8.22	6.43	0.21
T3-50m	2/4/14	1044	0.12	3.6	0.59	8.3	0.49	6.8	2.0	56	0.37	11.5	4.2	58	0.02	35.09	25.2	8.20	6.46	0.25
T3-50m	5/6/14	1049	0.12	3.7	0.56	7.9	0.23	3.2	4.3	121	0.42	13.1	6.3	89	0.08	34.74	25.9	8.19	6.35	0.18
Geomean FY '14			2.8		5.3		3.8				13.1		76		0.04					0.21
T3-50m	8/5/14	1040	0.20	6.2	0.10	1.4	0.38	5.3	1.0	28	0.49	15.3	5.3	74	0.16	34.94	26.7	8.23	6.00	0.13
T3-50m	11/17/14	1217	0.17	5.3	0.14	2.0	0.35	4.9	0.0	0	0.46	14.4	5.5	78	0.07	34.95	27.3	8.22	6.74	0.16
T3-50m	3/3/15	1047	0.04	1.1	0.06	0.8	0.16	2.3	0.7	21	0.30	9.4	6.3	88	0.09	34.87	25.5	8.18	6.99	0.13
T3-50m	6/16/15	1259	0.09	2.9	1.03	14.4	0.46	6.4	2.7	76	0.32	9.9	7.5	106	0.05	34.23	26.9	8.23	6.30	0.17
Geomean FY '15			3.2		2.4		4.4				12.0		85		0.08					0.15
T3-50m	8/26/15	1035	0.15	4.7	0.07	1.0	0.21	2.9	3.1	86	0.37	11.6	3.8	53	0.02	34.38	28.5	8.22	6.04	0.31
T3-50m	11/17/15	1102	0.15	4.7	0.46	6.4	0.19	2.6	4.0	111	0.52	16.2	5.6	78	0.06	34.00	27.4	8.23	6.39	0.15
T3-50m	3/1/16	1110	0.18	5.6	0.48	6.7	0.39	5.4	0.1	3	0.49	15.3	3.8	53	0.07	34.79	25.4	8.24	5.97	0.13
T3-50m	5/3/16	1032	0.07	2.3	0.18	2.5	0.16	2.3	0.6	16	0.46	14.3	11.2	157	0.07	34.67	25.8	8.27	6.41	0.19
Geomean FY '16			4.1		3.2		3.1				14.2		77		0.05					0.18
T3-50m	7/6/16	1158	0.08	2.4	0.22	3.1	0.31	4.4	0.2	6	0.40	12.3	3.0	43	0.09	34.63	27.3	8.29	6.70	0.20
T3-50m	12/20/16	1124	0.05	1.7	0.19	2.6	0.25	3.5	1.5	41	0.34	10.4	2.9	41	0.03	34.74	25.6	8.28	5.95	0.17
T3-50m	2/28/17	1014	0.03	1.0	0.49	6.9	0.11	1.6	1.0	29	0.33	10.3	4.5	63	0.10	34.65	24.7	8.21	5.57	0.14
T3-50m	5/10/17	1004	0.04	1.2	0.08	1.1	0.09	1.2	0.4	12	0.23	7.0	3.0	42	0.06	34.81	25.8	8.21	4.11	0.04
Geomean FY '17			1.5		2.8		2.3				9.8		46		0.06					0.12

NELHA Water Quality Laboratory

Transect 3, Station 3

8/3/1993 - 7/10/2025

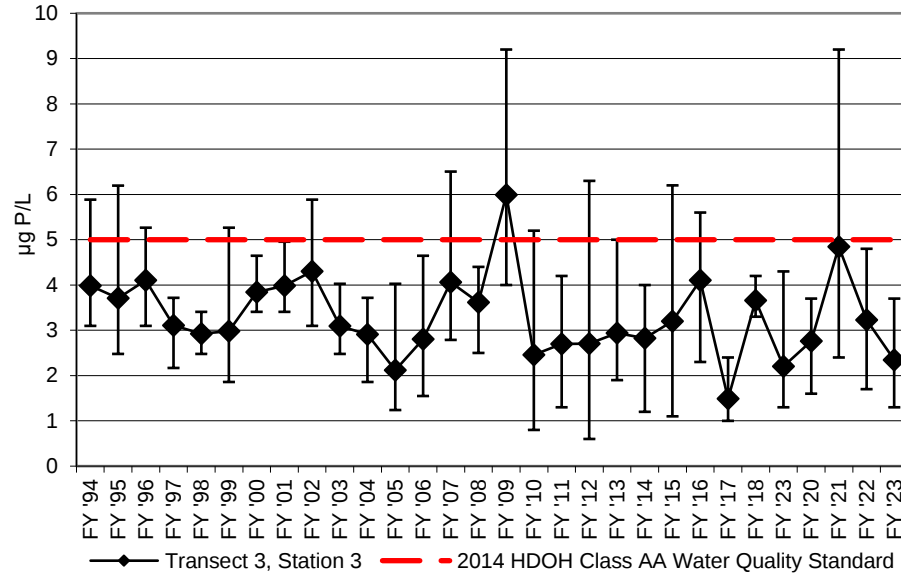
SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T3-50m	9/27/17	1150	0.14	4.2	0.23	3.2	0.19	2.7	0.9	26	0.41	12.7	3.1	44	0.11	34.79	27.9	8.20	4.22	0.16
T3-50m	11/28/17	1158	0.11	3.3	0.31	4.3	0.58	8.1	1.8	51	0.38	11.9	5.0	70	0.10	35.06	26.3	8.21	4.75	0.14
T3-50m	1/30/18	1145	0.12	3.8	0.35	4.9	0.39	5.4	3.1	86	0.40	12.5	4.1	57	0.07	34.82	24.6	8.17	5.36	0.10
T3-50m	5/16/18	1134	0.11	3.4	0.16	2.2	0.23	3.2	2.6	73	0.36	11.2	2.9	40	0.04	34.69	25.9	8.18	6.28	0.12
Geomean	FY '18		3.7		3.5		4.4				12.1		52		0.07					0.13
T3-50m	9/24/18	1115	0.04	1.3	0.18	2.5	0.32	4.5	0.1	3	0.48	14.9	1.9	27	0.07	34.81	27.9	8.16	5.07	0.13
T3-50m	11/13/18	1135	0.05	1.4	0.30	4.2	0.24	3.3	0.2	4	0.32	9.9	3.2	45	0.07	34.99	27.6	8.24	4.71	0.10
T3-50m	1/22/19	1119	0.10	3.0	0.06	0.8	0.09	1.3	0.1	2	0.38	11.9	2.5	35	0.05	35.02	25.2	8.22	5.70	0.14
T3-50m	4/16/19	1127	0.14	4.3	0.36	5.1	0.09	1.2	3.3	93	0.38	11.7	3.0	43	0.06	35.54	26.0	8.16	7.33	0.17
Geomean	FY '19		2.2		2.6		2.2				12.0		36		0.06					0.13
T3-50m	8/13/19	1111	0.05	1.6	0.16	2.3	0.22	3.1	2.6	74	0.30	9.2	2.4	34	0.09	35.63	28.3	8.19	6.74	0.18
T3-50m	11/19/19	1033	0.12	3.7	0.26	3.6	0.04	0.5	0.7	18	0.42	12.9	3.0	42	0.08	34.78	27.6	8.25	6.61	0.16
T3-50m	1/22/20	1058	0.11	3.4	0.01	0.1	0.09	1.3	0.7	21	0.40	12.4	2.4	34	0.04	34.94	25.1	8.22	6.69	0.17
T3-50m	6/24/20	1123	0.09	2.9	0.16	2.3	0.09	1.3	2.1	59	0.32	9.8	2.6	36	0.07	35.49	26.0	8.18	6.83	0.28
Geomean	FY '20		2.8		1.2		1.2				11.0		36		0.07					0.19
T3-50m	9/22/20	1158	0.16	5.1	0.17	2.4	0.35	4.9	1.4	40	0.40	12.3	6.7	94	0.02	35.66	26.2	8.18	5.00	0.22
T3-50m	12/15/20	1206	0.16	4.9	0.41	5.7	0.30	4.2	1.4	38	0.26	7.9	5.8	81	0.06	35.74	26.7	8.13	6.80	0.19
T3-50m	3/9/21	1013	0.30	9.2	0.31	4.4	0.24	3.3	0.9	25	0.26	8.2	3.7	51	0.03	35.70	24.7	8.09	6.89	0.17
T3-50m	5/25/21	1049	0.08	2.4	0.46	6.4	0.20	2.8	3.4	96	0.17	5.3	5.0	70	0.12	35.66	25.7	8.03	7.10	0.16
Geomean	FY '21		4.8		4.4		3.7				8.1		72		0.05					0.18
T3-50m	9/24/21	942	0.05	1.7	0.31	4.3	0.20	2.8	0.4	11	0.22	6.7	5.1	72	0.09	35.54	26.7	8.01	6.79	0.15
T3-50m	12/14/21	1038	0.15	4.8	0.48	6.7	0.21	3.0	1.2	33	0.28	8.6	4.5	63	0.06	35.10	25.9	8.12	6.80	0.14
T3-50m	3/16/22	902	0.13	3.9	0.20	2.8	0.04	0.5	0.8	21	0.34	10.4	4.3	60	0.06	34.91	25.4	8.06	6.81	0.23
T3-50m	6/8/22	1022	0.11	3.4	0.18	2.5	0.46	6.4	0.7	20	0.28	8.6	4.2	59	0.10	34.49	26.3	8.07	6.81	0.19
Geomean	FY '22		3.2		3.8		2.3				8.5		63		0.08					0.17
T3-50m	9/21/22	1008	0.08	2.5	0.11	1.6	0.08	1.1	0.0	-1	0.21	6.4	3.9	54	0.11	34.93	27.0	8.13	6.70	0.23
T3-50m	12/27/22	1035	0.08	2.5	0.11	1.5	0.05	0.7	0.2	7	0.16	5.1	4.8	67	0.10	34.96	25.8	8.14	6.78	0.28
T3-50m	3/15/23	944	0.12	3.7	0.51	7.2	0.19	2.7	2.7	76	0.23	7.1	5.2	73	0.15	34.68	24.5	8.09	7.00	0.33
T3-50m	5/15/23	1022	0.04	1.3	0.37	5.2	0.19	2.7	2.0	56	0.22	6.7	6.3	88	0.12	34.69	25.7	8.08	6.98	0.17
Geomean	FY '23		2.3		3.1		1.5				6.3		69		0.12					0.25

NELHA Water Quality Laboratory

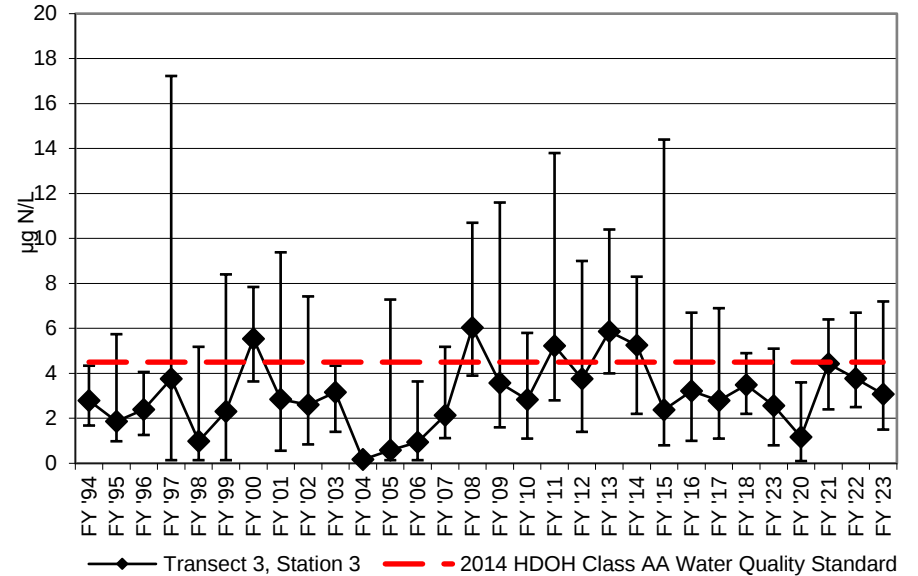
Transect 3, Station 3

8/3/1993 - 7/10/2025

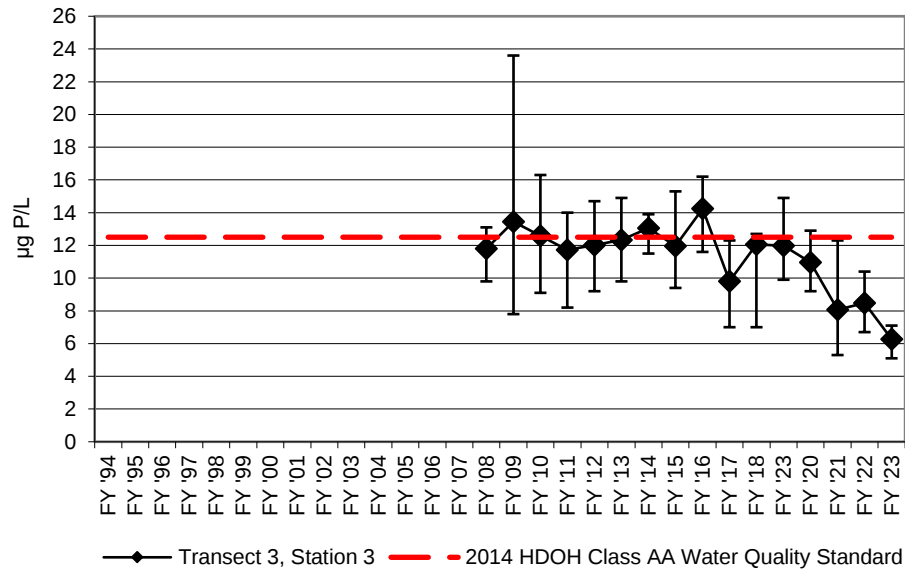
**Yearly Geometric Mean
Ortho-Phosphate**



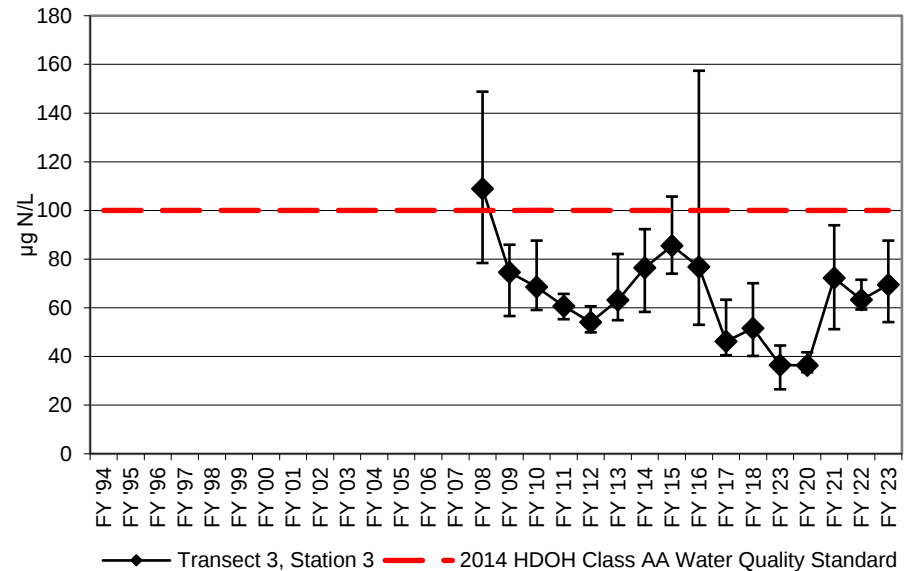
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

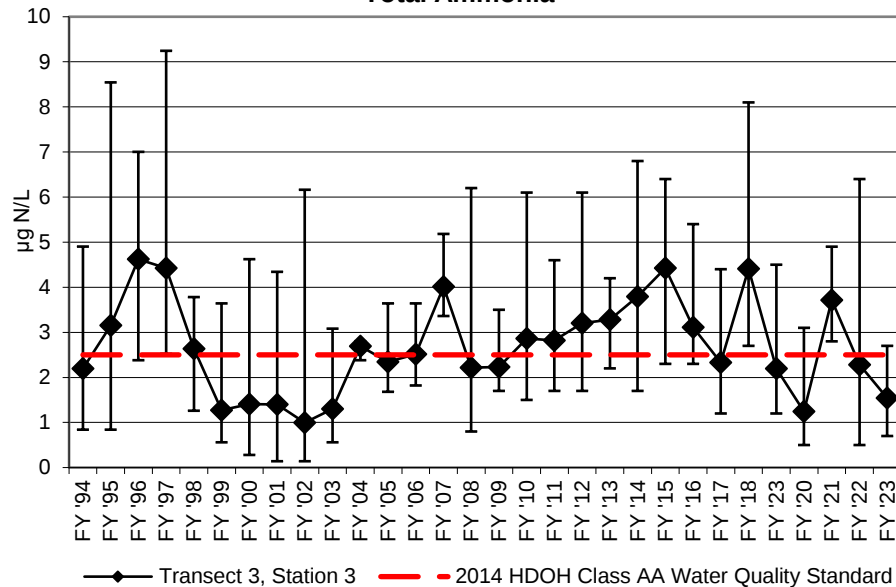


NELHA Water Quality Laboratory

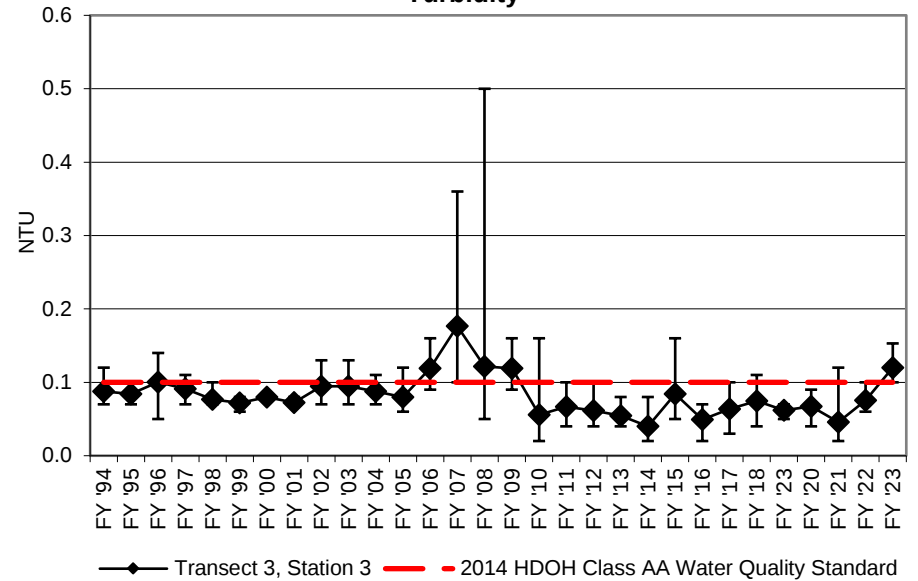
Transect 3, Station 3

8/3/1993 - 7/10/2025

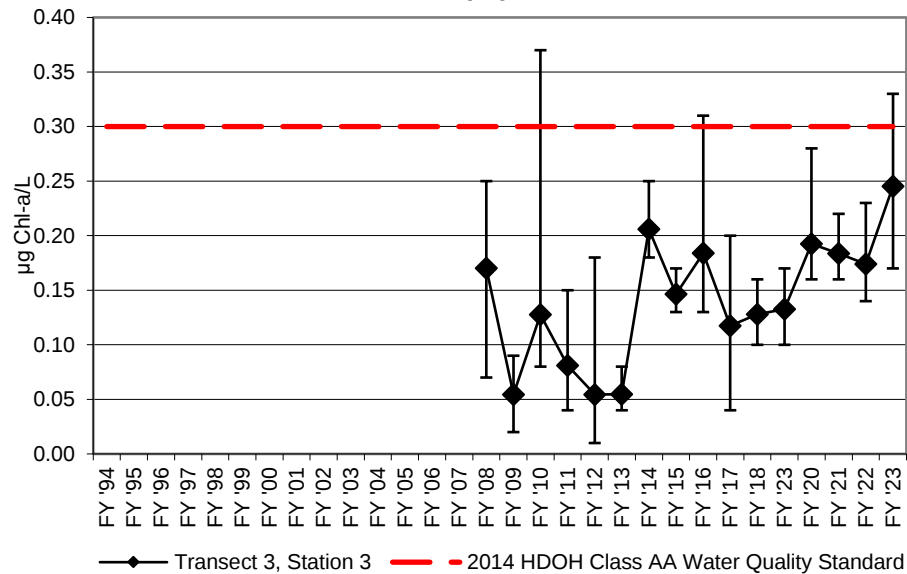
Yearly Geometric Mean
Total Ammonia



Yearly Geometric Mean
Turbidity



Yearly Geometric Mean
Chlorophyll-a



NELHA Water Quality Laboratory

Transect 3, Station 4

8/3/1993 - 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
O3-4S-53r	8/3/93	1028	0.10	3.1	0.21	2.9	0.35	4.9	2.9	82					0.07	34.503	26.8			
O3-4S-53r	12/8/93	1044	0.12	3.7	0.14	2.0	0.11	1.5	4.7	132					0.07	34.790	25.7			
O3-4S-53r	3/8/94	1004	0.21	6.5	0.46	6.4	0.24	3.4	3.4	95					0.08	34.194	25.1			
O3-4S-53r	6/13/94	1000	0.11	3.4	0.13	1.8	0.11	1.5	4.4	124					0.09	34.537	25.6			
Geomean FY '94			4.0		2.9		2.5								0.08					
O3-4S-53r	9/8/94	844	0.07	2.2	0.02	0.3	0.20	2.8	1.8	50					0.06	34.630	27.6			
O3-4S-53r	11/15/94	923	0.16	5.0	0.49	6.9	0.56	7.8	4.6	130					0.08	34.565	26.0			
O3-4S-53r	3/21/95	813	0.18	5.6	0.08	1.1	0.09	1.3	2.7	75					0.09	34.228	25.0			
O3-4S-53r	6/21/95	938	0.09	2.8	0.07	1.0	0.35	4.9	4.0	112					0.07	34.484	26.3			
Geomean FY '95			3.6		1.2		3.4								0.07					
O3-4S-53r	9/25/95	1234	0.12	3.7	0.37	5.2	0.21	2.9	6.0	167					0.18	34.438	27.3			
O3-4S-53r	11/13/95	842	0.14	4.3	0.16	2.2	0.54	7.6	1.8	49					0.07	34.389	26.7			
O3-4S-53r	3/11/96	1210	0.12	3.7	0.22	3.1	0.40	5.6	2.1	59					0.07	34.205	25.5			
O3-4S-53r	5/13/96	1115	0.10	3.1	0.03	0.4	0.14	2.0	2.3	63					0.06	34.308	27.2			
Geomean FY '96			3.7		2.0		4.0								0.09					
O3-4S-53r	7/30/96	1035	0.11	3.4	0.44	6.2	0.29	4.1	4.8	135					0.09	34.421	28.4			
O3-4S-53r	10/1/96	914	0.07	2.2	0.01	0.1	0.62	8.7	2.3	65					0.08	34.686	27.9			
O3-4S-53r	1/6/97	916	0.11	3.4	0.52	7.3	0.17	2.4	3.7	103					0.08	34.680	25.5			
O3-4S-53r	4/21/97	858	0.09	2.8	0.88	12.3	0.20	2.8	2.3	63					0.10	34.565	26.4			
Geomean FY '97			2.9		3.0		3.9								0.09					
O3-4S-53r	8/18/97	854	0.10	3.1	0.27	3.8	0.23	3.2	3.6	100					0.09	34.624	27.0			
O3-4S-53r	10/6/97	911	0.10	3.1	0.02	0.3	0.30	4.2	2.4	68					0.07	34.702	27.4			
O3-4S-53r	3/3/98	912	0.09	2.8	0.10	1.4	0.21	2.9	2.3	64					0.07	35.029	24.8			
O3-4S-53r	5/4/98	1219	0.09	2.8	0.03	0.4	0.11	1.5	3.4	95					0.08	35.076	24.0			
Geomean FY '98			2.9		0.9		2.8								0.08					
O3-4S-53r	7/6/98	928	0.10	3.1	0.39	5.5	0.02	0.3	5.3	149					0.08	34.954	26.2			
O3-4S-53r	10/5/98	905	0.06	1.9	0.01	0.1	0.03	0.4	2.6	74					0.06	35.121	27.3			
O3-4S-53r	1/13/99	907	0.08	2.5	0.13	1.8	0.15	2.1	3.2	89					0.08	35.090	24.9			
O3-4S-53r	4/13/99	902	0.17	5.3	0.40	5.6	0.11	1.5	7.2	203					0.13	34.621	24.2			
Geomean FY '99			2.9		1.7		0.8								0.08					

NELHA Water Quality Laboratory

Transect 3, Station 4

8/3/1993 - 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
O3-4S-53r	7/13/99	932	0.12	3.7	0.16	2.2	0.03	0.4	3.1	87					0.09	34.911	26.1			
O3-4S-53r	10/25/99	918	0.12	3.7	0.42	5.9	0.31	4.3	3.5	98					0.13	34.939	26.1			
O3-4S-53r	1/4/00	927	0.10	3.1	0.51	7.1	0.33	4.6	4.4	123					0.08	35.080	24.8			
O3-4S-53r	5/16/00	958	0.12	3.7	0.24	3.4	0.09	1.3	3.2	89					0.06	34.685	25.5			
Geomean FY '00			3.6		4.2		1.8								0.09					
O3-4S-53r	7/24/00	939	0.10	3.1	0.14	2.0	0.01	0.1	3.4	95					0.05	34.873	27.3			
O3-4S-53r	10/30/00	943	0.12	3.7	0.06	0.8	0.38	5.3	3.1	87					0.07	34.991	27.0			
O3-4S-53r	2/26/01	947	0.15	4.6	0.07	1.0	0.14	2.0	3.9	110					0.08	34.731	24.8			
O3-4S-53r	5/8/01	913	0.14	4.3	0.31	4.3	0.21	2.9	9.0	253					0.10	34.780	24.9			
Geomean FY '01			3.9		1.6		1.4								0.07					
O3-4S-53r	8/13/01	935	0.10	3.1	0.01	0.1	0.24	3.4	4.3	121					0.04	34.873	26.7			
O3-4S-53r	10/10/01	918	0.13	4.0	0.09	1.3	0.04	0.6	3.3	93					0.08	34.929	27.4			
O3-4S-53r	3/4/02	1051	0.12	3.7	0.06	0.8	0.02	0.3	1.6	46					0.08	34.649	24.2			
O3-4S-53r	4/16/02	1102	0.15	4.6	0.15	2.1	0.44	6.2	4.5	125					0.07	34.443	25.8			
Geomean FY '02			3.8		0.7		1.3								0.07					
O3-4S-53r	7/9/02	953	0.11	3.4	0.40	5.6	0.17	2.4	3.6	100					0.11	34.662	26.5			
O3-4S-53r	10/7/02	1046	0.08	2.5	0.02	0.3	0.18	2.5	3.4	97					0.06	34.938	27.1			
O3-4S-53r	3/10/03	1011	0.10	3.1	0.03	0.4	0.03	0.4	1.9	53					0.07	34.842	24.7			
O3-4S-53r	4/22/03	955	0.08	2.5	0.25	3.5	0.05	0.7	4.4	124					0.06	35.009	25.0			
Geomean FY '03			2.8		1.2		1.2								0.07					
O3-4S-53r	8/19/03	1045	0.05	1.5	0.01	0.1	0.20	2.8	1.5	41					0.08	34.849	28.2			
O3-4S-53r	10/30/03	825	0.09	2.8	0.02	0.3	0.20	2.8	2.8	78					0.12	34.825	27.4			
O3-4S-53r	3/17/04	937	0.12	3.7	0.01	0.1	0.19	2.7	1.3	35					n/a	34.396	26.0			
O3-4S-53r	5/20/04	1119	0.12	3.7	0.01	0.1	0.22	3.1	1.3	36					n/a	33.45	26.9			
Geomean FY '04			2.8		0.2		2.8								0.10					
O3-4S-53r	9/20/04	1034	0.09	2.8	0.01	0.1	0.30	4.2	1.9	53					0.06	33.72	28.1			
O3-4S-53r	11/17/04	1008	0.06	1.9	0.01	0.1	0.14	2.0	1.7	49					0.08	33.66	27.2			
O3-4S-53r	1/13/05	1130	0.06	1.9	0.38	5.3	0.12	1.7	2.7	75					0.08	34.820	25.0			
O3-4S-53r	4/11/05	1138	0.12	3.7	0.05	0.7	0.19	2.7	2.0	56					0.09	34.475	25.2			
Geomean FY '05			2.4		0.5		2.5								0.08					

NELHA Water Quality Laboratory

Transect 3, Station 4

8/3/1993 - 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
O3-4S-53rr	7/20/05	1126	0.08	2.5	0.15	2.1	0.17	2.4	3.9	109					0.09	34.656	26.5			
O3-4S-53rr	10/11/05	1017	0.05	1.5	0.01	0.1	0.18	2.5	1.3	37					0.10	34.887	27.5			
O3-4S-53rr	3/14/06	842	0.09	2.8	0.04	0.6	0.28	3.9	3.2	89					0.10	34.877	24.4			
O3-4S-53rr	5/15/06	1046	0.07	2.2	0.07	1.0	0.10	1.4	3.4	94					0.08	34.720	24.9			
Geomean FY '06			2.2		0.6		2.4								0.09					
O3-4S-53rr	8/14/06	1048	0.12	3.7	0.24	3.4	0.25	3.5	3.4	96					0.13	34.600	26.9			
O3-4S-53rr	11/1/06	1053	0.08	2.5	0.20	2.8	0.34	4.8	2.3	63					1.00	34.792	27.4			
O3-4S-53rr	2/12/07	1114	0.13	4.0	0.07	1.0	0.35	4.9	1.3	35					0.48	34.444	24.6			
O3-4S-53rr	4/9/07	1047	0.12	3.7	0.10	1.4	0.22	3.1	3.2	90					0.18	34.671	25.4			
Geomean FY '07			3.4		1.9		4.0								0.33					
T3-100m	9/26/07	1056	0.13	4.1	0.31	4.4	0.31	4.3	5.9	165	0.37	11.4	6.7	94	0.09	34.943	26.9	8.23	6.42	0.10
T3-100m	12/13/07	1212	0.07	2.2	0.07	1.0			5.2	147	0.36	11.1	5.2	73	0.08	34.730	26.0	8.23	6.34	0.25
T3-100m	3/10/08	1056	0.19	5.8	0.64	9.0	0.06	0.8	3.8	107	0.31	9.6	7.2	101	0.12	34.894	24.9	8.18	6.76	0.26
T3-100m	6/5/08	1101	0.06	2.0	0.13	1.8	0.16	2.2	17.0	479	0.24	7.4	6.1	85	0.06	34.8335	25.1	8.14	6.56	0.11
Geomean FY '08			3.2		2.9		2.0				9.7		87		0.08					0.16
T3-100m	9/22/08	1159	0.62	19.1	0.06	0.8	0.10	1.4	1.9	55	1.54	47.7	4.9	68	0.11	34.805	26.7	8.03	6.52	0.07
T3-100m	11/17/08	1040	0.16	4.9	0.06	0.8	0.14	1.9	2.1	59	0.39	12.1	5.8	81	0.08	34.974	26.2	8.27	6.10	0.05
T3-100m	2/9/09	1048	0.10	3.1	0.54	7.6	0.12	1.7	2.2	62	0.23	7	5.2	73	0.08	35.094	25.1	8.05	6.27	0.02
T3-100m	4/13/09	1026	0.22	6.7	0.10	1.4	0.26	3.7	2.9	82	0.47	14.6	4.6	65	0.10	34.946	24.0	8.19	6.56	0.02
Geomean FY '09			6.6		1.6		2.0				15.6		71		0.09					0.03
T3-100m	9/9/09	1056	0.21	6.4	0.04	0.5	0.16	2.2	7.4	209	0.56	17.5	5.5	77	0.06	35.20	27.6	8.21	5.48	0.11
T3-100m	11/23/09	1100	0.03	0.8	0.07	1	0.14	1.9	28.6	803	0.41	12.6	4.9	69	0.04	35.25	25.4	8.28	6.23	0.17
T3-100m	2/23/10	1100	0.15	4.6	0.04	0.5	0.34	4.8	9.9	277	0.40	12.5	6.2	87	0.15	35.09	24.9	8.17	6.14	0.44
T3-100m	5/25/10	1007	0.05	1.7	0.20	2.8	0.05	0.7	2.0	56	0.29	8.9	4.9	69	0.13	35.00	25.0	8.22	6.94	0.08
Geomean FY '10			2.5		0.9		1.9				12.5		75		0.08					0.16
T3-100m	8/10/10	1100	0.01	0.4	0.07	1	0.05	0.7	2.4	66	0.27	8.3	2.6	37	0.09	34.92	26.24	8.24	6.59	0.09
T3-100m	11/8/10	1039	0.02	0.7	0.04	0.6	0.09	1.3	2.8	80	0.46	14.4	4.7	66	0.10	35.38	26.72	8.26	6.30	0.02
T3-100m	1/11/11	1056	0.13	4	0.26	3.6	0.02	0.3	7.8	220	0.43	13.4	4.1	57	0.04	34.96	24.97	8.22	6.42	0.07
T3-100m	4/26/11	1059	0.16	5.1	0.24	3.4	0.26	3.7	2.5	71	0.49	15.1	3.6	50	0.08	34.49	24.98	8.21	6.50	0.16
Geomean FY '11			1.5		1.6		1.0				12.5		51		0.07					0.07

NELHA Water Quality Laboratory

Transect 3, Station 4

8/3/1993 - 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
T3-100m	7/26/11	1137	0.22	6.7	0.12	1.7	0.04	0.6	0.9	25	0.46	14.2	2.8	40	0.07	34.80	26.05	8.27	6.62	0.07
T3-100m	10/18/11	1047	0.02	0.7	0.06	0.9	0.14	1.9	1.6	45	0.32	9.8	3.9	55	0.08	35.06	26.81	8.24	7.08	0.07
T3-100m	1/25/12	1117	0.07	2.2	0.04	0.5	0.07	1	1.4	41	0.40	12.3	4.4	61	0.09	35.01	24.78	8.21	7.04	0.01
T3-100m	4/24/12	1150	0.10	3.1	0.02	0.3	0.26	3.6	0.6	16	0.38	11.9	2.9	41	0.10	35.05	25.04	8.22	6.93	0.18
Geomean FY '12			2.4		0.7		1.4				11.9		48		0.08					0.05
T3-100m	7/24/12	1055	0.03	0.8	0.11	1.6	0.11	1.6	1.2	33	0.36	11.3	4.8	67	0.06	35.06	26.39	8.25	6.84	0.13
T3-100m	11/27/12	1036	0.08	2.5	0.29	4.1	0.54	7.5	2.4	67	0.57	17.6	4.8	68	0.02	35.21	25.19	8.21	6.83	0.20
T3-100m	1/23/13	1050	0.10	3	0.66	9.2	0.36	5	4.8	134	0.45	14	5.4	75	0.07	35.09	24.73	8.22	6.29	0.07
T3-100m	4/16/13	1058	0.16	4.9	0.56	7.8	0.17	2.4	1.8	51	0.47	14.5	5.9	82	0.02	35.10	24.95	8.21	6.78	0.09
Geomean FY '13			2.3		4.7		3.5				14.2		73		0.04					0.11
T3-100m	8/1/13	1006	0.05	1.4	0.05	0.7	0.32	4.5	2.0	57	0.38	11.8	5.5	77	0.24	35.22	26.4	8.26	6.80	0.14
T3-100m	10/29/13	1035	0.11	3.3	0.36	5.0	0.31	4.4	2.3	65	0.44	13.6	5.3	74	0.02	35.26	27.1	8.20	6.47	0.19
T3-100m	2/4/14	1051	0.09	2.9	0.24	3.3	0.39	5.4	1.9	52	0.37	11.6	4.8	67	0.02	35.09	25.2	8.20	6.48	0.09
T3-100m	5/6/14	1055	0.14	4.2	0.51	7.2	0.18	2.5	4.2	118	0.44	13.7	5.8	81	0.04	34.73	26.0	8.20	6.15	0.20
Geomean FY '14			2.7		3.0		4.0				12.6		75		0.04					0.15
T3-100m	8/5/14	1044	0.18	5.5	0.03	0.4	0.26	3.6	0.4	11	0.49	15.2	3.9	55	0.12	34.93	26.8	8.22	5.90	0.12
T3-100m	11/17/14	1221	0.22	6.9	0.08	1.1	0.46	6.5	0.0	0	0.49	15.1	5.6	78	0.08	34.95	27.2	8.22	6.80	0.14
T3-100m	3/3/15	1055	0.07	2.3	0.06	0.8	0.21	3.0	0.3	9	0.33	10.2	6.8	96	0.10	34.86	25.8	8.19	6.96	0.07
T3-100m	6/16/15	1306	0.08	2.5	0.39	5.4	0.37	5.2	2.3	63	0.36	11.3	7.0	98	0.05	34.32	27.0	8.22	6.04	0.10
Geomean FY '15			3.8		1.2		4.4				12.8		80		0.08					0.10
T3-100m	8/26/15	1040	0.14	4.3	0.08	1.1	0.14	1.9	3.0	83	0.31	9.7	5.8	82	0.03	34.35	28.7	8.25	5.98	0.26
T3-100m	11/17/15	1108	0.16	4.9	0.51	7.2	0.10	1.4	4.1	116	0.54	16.8	5.9	83	0.06	34.01	27.5	8.25	6.48	0.15
T3-100m	3/1/16	1115	0.18	5.5	0.51	7.2	0.31	4.4	0.3	8	0.51	15.8	6.0	84	0.08	34.77	25.4	8.23	5.96	0.08
T3-100m	5/3/16	1038	0.25	7.8	0.14	1.9	0.06	0.9	0.5	14	0.42	13.1	6.4	89	0.07	34.66	25.8	8.27	6.48	0.21
Geomean FY '16			5.5		3.2		1.8				13.6		84		0.06					0.16
T3-100m	7/6/16	1207	0.10	3.1	0.25	3.5	0.35	4.9	0.1	3	0.41	12.7	3.9	54	0.24	34.68	27.2	8.70	6.76	0.20
T3-100m	12/20/16	1131	0.05	1.5	0.15	2.1	0.13	1.8	1.8	51	0.33	10.2	3.1	44	0.04	34.74	25.6	8.28	6.59	0.17
T3-100m	2/28/17	1019	0.00	0.1	0.11	1.6	0.16	2.3	0.3	9	0.29	9.0	3.6	51	0.09	34.67	24.7	8.21	5.51	0.18
T3-100m	5/10/17	1009	0.06	1.8	0.05	0.7	0.12	1.7	0.7	19	0.20	6.2	3.1	44	0.07	34.81	25.9	8.21	4.13	0.07
Geomean FY '17			1.0		1.7		2.4				9.2		48		0.09					0.14

NELHA Water Quality Laboratory

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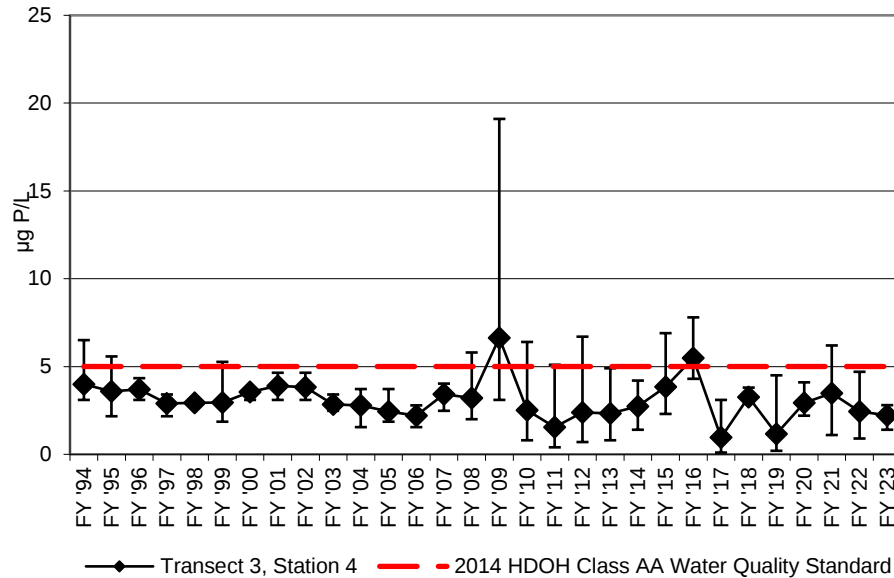
SITE ID	DATE M/D/Y	TIME (2400)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T3-100m	9/27/17	1142	0.12	3.8	0.19	2.7	0.10	1.4	0.7	20	0.40	12.5	3.1	44	0.09	34.79	27.9	8.21	4.22	0.11
T3-100m	11/28/17	1204	0.10	3.1	0.27	3.8	0.44	6.2	1.6	44	0.38	11.7	5.2	73	0.06	35.07	26.3	8.20	4.71	0.13
T3-100m	1/30/18	1152	0.09	2.9	0.13	1.8	0.12	1.7	1.2	34	0.35	10.8	2.8	40	0.07	34.87	24.6	8.17	5.20	0.18
T3-100m	5/16/18	1139	0.11	3.3	0.11	1.6	0.20	2.8	2.2	61	0.35	10.7	1.8	26	0.04	34.70	25.9	8.17	6.17	0.11
Geomean FY '18			3.3		2.3		2.5				11.4		43		0.06					0.13
T3-100m	9/24/18	1119	0.01	0.2	0.16	2.3	0.24	3.3	0.0	1	0.33	10.1	2.0	27	0.09	34.82	28.2	8.16	5.33	0.21
T3-100m	11/13/18	1139	0.03	0.8	0.14	1.9	0.19	2.7	0.0	1	0.32	9.8	2.8	39	0.08	34.99	27.6	8.24	4.73	0.09
T3-100m	1/22/19	1124	0.08	2.6	0.04	0.5	0.21	2.9	0.1	3	0.36	11.3	2.3	33	0.06	35.02	25.2	8.21	5.64	0.14
T3-100m	4/16/19	1133	0.15	4.5	0.53	7.4	0.11	1.5	4.8	134	0.40	12.4	2.8	40	0.07	35.52	26.0	8.16	7.21	0.21
Geomean FY '19			1.2		2.0		2.5				10.9		34		0.07					0.15
T3-100m	8/13/19	1118	0.07	2.2	0.21	2.9	0.24	3.4	7.3	205	0.32	10.0	2.8	39	0.09	35.56	28.4	8.20	6.44	0.18
T3-100m	11/19/19	1038	0.11	3.3	0.06	0.8	0.09	1.3	0.2	5	0.41	12.8	2.5	35	0.08	34.78	27.7	8.24	6.58	0.21
T3-100m	1/22/20	1104	0.13	4.1	0.16	2.3	0.09	1.3	-0.4	-11	0.40	12.3	2.7	39	0.06	34.94	25.1	8.22	6.66	0.12
T3-100m	6/24/20	1129	0.08	2.5	0.16	2.3	0.09	1.3	1.0	29	0.28	8.8	2.0	28	0.06	35.43	26.2	8.19	6.93	0.24
Geomean FY '20			2.9		1.9		1.6				10.8		35		0.07					0.18
T3-100m	9/22/20	1205	0.20	6.2	0.18	2.5	0.31	4.4	1.7	49	0.39	12.1	6.7	94	0.02	35.66	26.3	8.18	4.98	0.24
T3-100m	12/15/20	1211	0.14	4.4	0.09	1.3	0.30	4.2	0.6	16	0.26	8.2	6.0	84	0.05	35.68	26.7	8.12	6.63	0.24
T3-100m	3/9/21	1018	0.16	4.9	0.44	6.2	0.19	2.6	0.1	2	0.36	11.1	3.3	46	0.10	35.71	24.8	8.10	6.83	0.15
T3-100m	5/25/21	1054	0.04	1.1	0.44	6.2	0.16	2.3	2.8	78	0.17	5.4	5.2	73	0.10	35.65	25.8	8.04	7.04	0.16
Geomean FY '21			3.5		3.3		3.2				8.8		72		0.06					0.19
T3-100m	9/24/21	947	0.03	0.9	0.06	0.9	0.29	4.0	-0.3	-7	0.20	6.3	4.7	66	0.06	35.56	26.6	8.02	6.64	0.12
T3-100m	12/14/21	1043	0.15	4.7	0.34	4.7	0.12	1.7	0.9	25	0.28	8.8	4.4	61	0.08	35.11	25.9	8.12	6.72	0.16
T3-100m	3/16/22	908	0.10	3.1	0.04	0.5	0.07	1.0	0.0	-1	0.31	9.7	4.1	57	0.07	34.93	25.5	8.07	6.83	0.21
T3-100m	6/8/22	1027	0.09	2.7	0.10	1.4	0.29	4.1	0.0	1	0.27	8.5	3.9	55	0.07	34.48	26.3	8.08	6.71	0.12
Geomean FY '22			2.4		1.3		2.3				8.2		60		0.07					0.15
T3-100m	9/21/22	1015	0.08	2.5	0.05	0.7	0.09	1.2	-0.3	-7	0.21	6.6	3.9	54	0.16	34.94	26.9	8.13	6.73	0.22
T3-100m	12/27/22	1039	0.08	2.5	0.06	0.8	0.11	1.5	0.3	8	0.17	5.2	4.7	66	0.08	34.96	25.9	8.14	6.73	0.29
T3-100m	3/15/23	950	0.09	2.8	0.15	2.1	0.16	2.2	1.4	38	0.21	6.5	5.0	70	0.12	34.72	24.7	8.10	6.93	0.29
T3-100m	5/15/23	1028	0.05	1.4	0.36	5.1	0.09	1.3	2.9	80	0.21	6.4	4.6	65	0.12	34.67	25.8	8.08	6.77	0.19
Geomean FY '23			2.2		1.6		1.5				6.1		63		0.12					0.24

NELHA Water Quality Laboratory

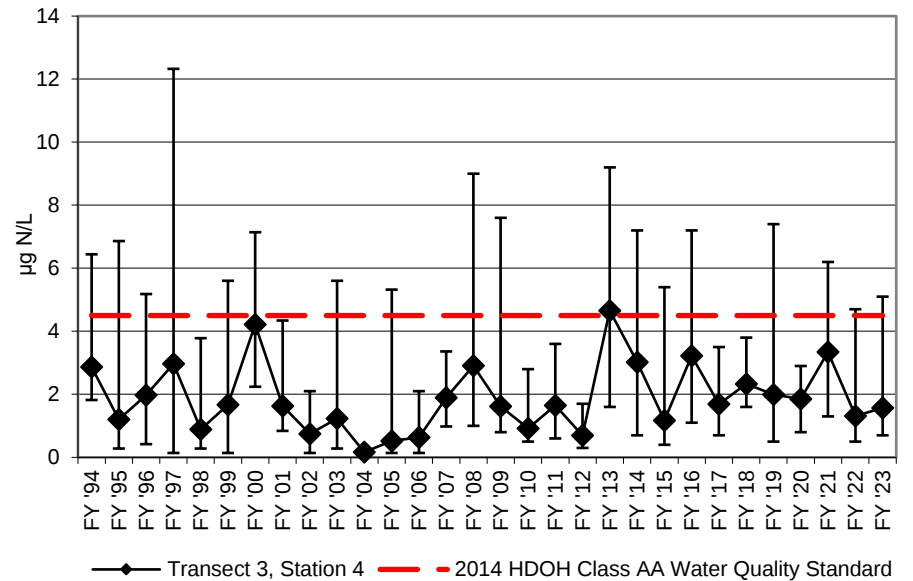
Transect 3, Station 4

8/3/1993 - 7/10/2025

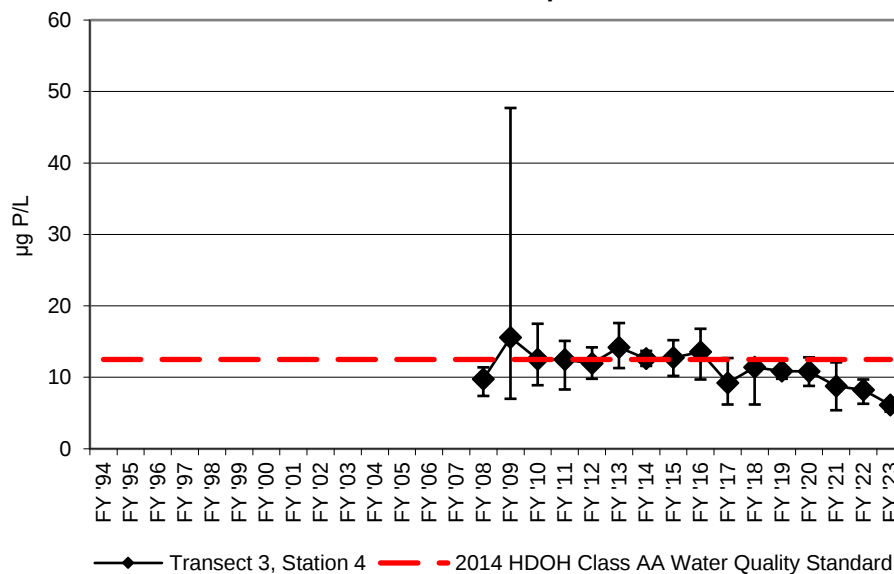
**Yearly Geometric Mean
Ortho-Phosphate**



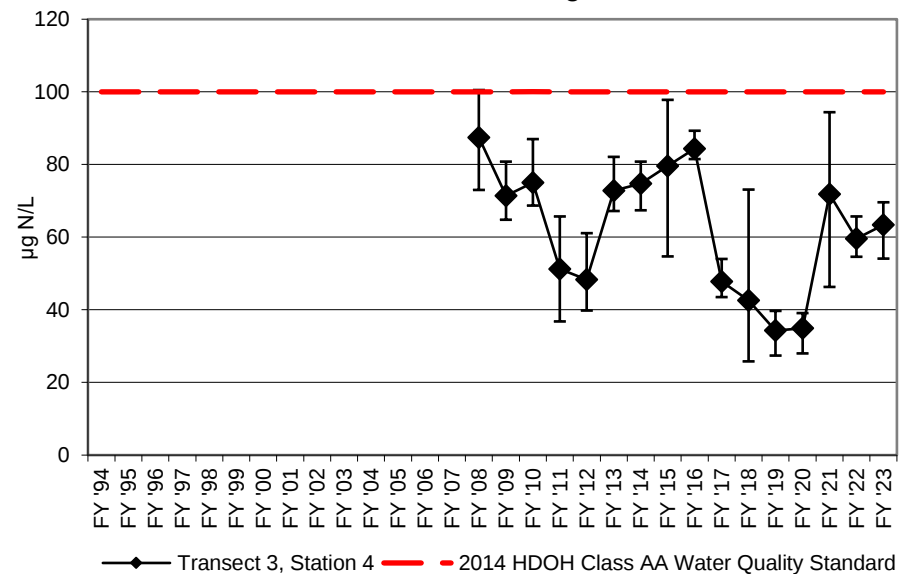
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

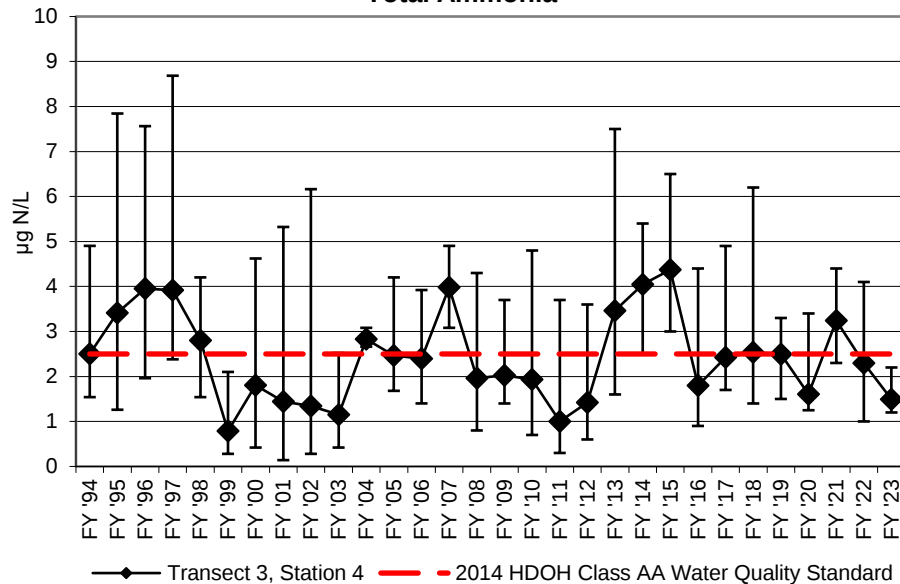


NELHA Water Quality Laboratory

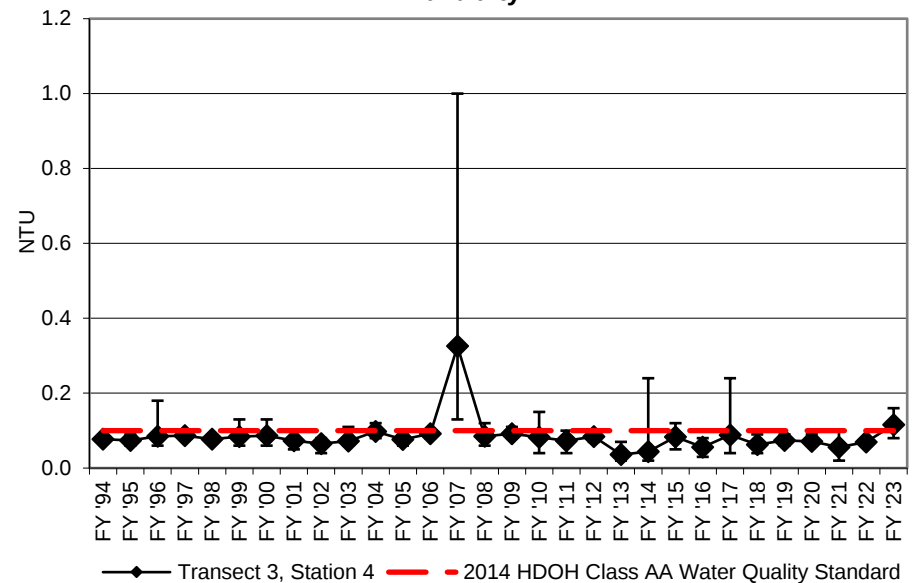
Transect 3, Station 4

8/3/1993 - 7/10/2025

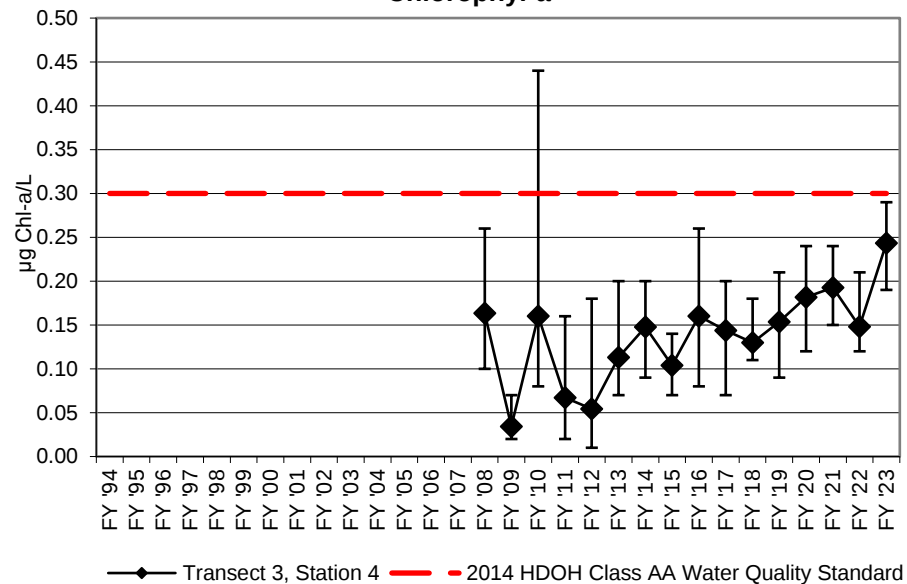
**Yearly Geometric Mean
Total Ammonia**



**Yearly Geometric Mean
Turbidity**



**Yearly Geometric Mean
Chlorophyll-a**



NELHA Water Quality Laboratory

Transect 3, Station 5

8/3/1993 - 7/10/2025

SITE ID	DATE	TIME	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)	(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)	(unit)	(ppm)	(μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O3-5S-69n	8/3/93	1018	0.12	3.7	0.21	2.9	0.39	5.5	3.0	85					0.12	34.507	26.8			
O3-5S-69n	12/8/93	1036	0.12	3.7	0.08	1.1	0.11	1.5	5.1	144					0.06	34.794	25.7			
O3-5S-69n	3/8/94	1009	0.18	5.6	0.22	3.1	0.21	2.9	2.5	71					0.07	34.225	25.2			
O3-5S-69n	6/13/94	953	0.13	4.0	0.19	2.7	0.06	0.8	7.0	198					0.11	34.532	25.6			
Geomean FY '94			4.2		2.3		2.1								0.09					
O3-5S-69n	9/8/94	839	0.07	2.2	0.01	0.1	0.10	1.4	5.9	166					0.07	34.624	27.6			
O3-5S-69n	11/15/94	921	0.16	5.0	0.43	6.0	0.45	6.3	4.3	120					0.08	34.577	26.0			
O3-5S-69n	3/21/95	802	0.18	5.6	0.07	1.0	0.06	0.8	8.7	245					0.10	34.230	24.9			
O3-5S-69n	6/21/95	937	0.08	2.5	0.07	1.0	0.33	4.6	1.5	42					0.06	34.476	26.2			
Geomean FY '95			3.5		0.9		2.4								0.08					
O3-5S-69n	9/25/95	1248	0.11	3.4	0.31	4.3	0.20	2.8	5.6	158					0.11	34.447	27.3			
O3-5S-69n	11/13/95	848	0.14	4.3	0.12	1.7	0.48	6.7	2.7	77					0.07	34.419	26.8			
O3-5S-69n	3/11/96	1205	0.12	3.7	0.21	2.9	0.42	5.9	2.2	61					0.06	34.201	25.6			
O3-5S-69n	5/13/96	1109	0.09	2.8	0.02	0.3	0.14	2.0	2.1	58					0.07	34.310	27.4			
Geomean FY '96			3.5		1.6		3.8								0.08					
O3-5S-69n	7/30/96	1031	0.10	3.1	0.38	5.3	0.23	3.2	5.4	153					0.08	34.388	28.3			
O3-5S-69n	10/1/96	908	0.07	2.2	0.01	0.1	0.58	8.1	2.3	65					0.07	34.684	27.9			
O3-5S-69n	1/6/97	908	0.07	2.2	0.12	1.7	0.11	1.5	2.3	64					0.09	34.721	25.4			
O3-5S-69n	4/21/97	852	0.09	2.8	0.75	10.5	0.17	2.4	3.0	85					0.08	34.535	26.3			
Geomean FY '97			2.5		1.9		3.1								0.08					
O3-5S-69n	8/18/97	848	0.10	3.1	0.27	3.8	0.22	3.1	3.2	90					0.10	34.638	27.0			
O3-5S-69n	10/6/97	903	0.11	3.4	0.01	0.1	0.33	4.6	5.0	140					0.08	34.704	27.4			
O3-5S-69n	3/3/98	907	0.08	2.5	0.06	0.8	0.19	2.7	4.7	132					0.08	35.030	24.9			
O3-5S-69n	5/4/98	905	0.08	2.5	0.09	1.3	0.11	1.5	3.3	91					0.09	35.039	24.1			
Geomean FY '98			2.8		0.9		2.8								0.09					
O3-5S-69n	7/6/98	920	0.09	2.8	0.25	3.5	0.02	0.3	8.5	240					0.10	34.961	26.2			
O3-5S-69n	10/5/98	858	0.07	2.2	0.02	0.3	0.09	1.3	1.3	37					0.07	35.123	27.2			
O3-5S-69n	1/13/99	902	0.07	2.2	0.05	0.7	0.22	3.1	4.2	119					0.06	35.098	25.0			
O3-5S-69n	4/13/99	856	0.16	5.0	0.33	4.6	0.12	1.7	3.7	104					0.07	34.641	24.3			
Geomean FY '99			2.8		1.3		1.2								0.07					

NELHA Water Quality Laboratory

Transect 3, Station 5

8/3/1993 - 7/10/2025

SITE ID	DATE	TIME	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)	(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)	(unit)	(ppm)	(μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O3-5S-69n	7/13/99	924	0.11	3.4	0.06	0.8	0.06	0.8	4.5	127					0.07	34.907	26.2			
O3-5S-69n	10/25/99	915	0.14	4.3	0.19	2.7	0.31	4.3	21.9	614					0.09	34.950	26.1			
O3-5S-69n	1/4/00	921	0.10	3.1	0.61	8.5	0.35	4.9	3.9	109					0.08	35.063	24.8			
O3-5S-69n	5/16/00	954	0.11	3.4	0.18	2.5	0.09	1.3	2.4	69					0.09	34.704	25.5			
Geomean FY '00			3.5		2.6		2.2								0.08					
O3-5S-69n	7/24/00	927	0.10	3.1	0.16	2.2	0.03	0.4	2.8	79					0.06	34.881	27.3			
O3-5S-69n	10/30/00	936	0.12	3.7	0.08	1.1	0.37	5.2	2.7	76					0.08	34.983	27.0			
O3-5S-69n	2/26/01	942	0.13	4.0	0.04	0.6	0.14	2.0	3.6	102					0.07	34.744	24.8			
O3-5S-69n	5/8/01	907	0.13	4.0	0.15	2.1	0.18	2.5	3.1	87					0.07	34.795	24.8			
Geomean FY '01			3.7		1.3		1.8								0.07					
O3-5S-69n	8/13/01	930	0.09	2.8	0.05	0.7	0.24	3.4	6.4	179					0.09	34.860	26.7			
O3-5S-69n	10/10/01	911	0.11	3.4	0.07	1.0	0.01	0.1	3.0	85					0.06	34.948	27.4			
O3-5S-69n	3/4/02	1046	0.14	4.3	0.03	0.4	0.02	0.3	2.8	77					0.14	34.645	24.2			
O3-5S-69n	4/16/02	1054	0.12	3.7	0.18	2.5	0.20	2.8	4.6	128					0.11	34.464	25.9			
Geomean FY '02			3.5		0.9		0.8								0.10					
O3-5S-69n	7/9/02	948	0.10	3.1	0.24	3.4	0.11	1.5	4.2	117					0.07	34.626	26.5			
O3-5S-69n	10/7/02	1040	0.08	2.5	0.32	4.5	0.25	3.5	2.0	55					0.06	34.937	27.2			
O3-5S-69n	3/10/03	1000	0.08	2.5	0.03	0.4	0.03	0.4	2.1	58					0.07	34.823	24.7			
O3-5S-69n	4/22/03	949	0.09	2.8	0.06	0.8	0.05	0.7	2.0	57					0.08	35.022	25.0			
Geomean FY '03			2.7		1.5		1.1								0.07					
O3-5S-69n	8/19/03	1032	0.06	1.9	0.01	0.1	0.20	2.8	1.3	36					0.06	34.841	28.2			
O3-5S-69n	10/30/03	820	0.09	2.8	0.02	0.3	0.20	2.8	2.4	67					0.23	34.805	27.5			
O3-5S-69n	3/17/04	932	0.12	3.7	0.03	0.4	0.21	2.9	1.7	47					n/a	34.346	25.8			
O3-5S-69n	5/20/04	1124	0.12	3.7	0.07	1.0	0.21	2.9	1.3	35					n/a	33.40	26.9			
Geomean FY '04			2.9		0.4			2.9							0.12					
O3-5S-69n	9/20/04	1027	0.08	2.5	0.07	1.0	0.34	4.8	1.8	49					0.07	33.73	28.0			
O3-5S-69n	11/17/04	1004	0.06	1.9	0.07	1.0	0.12	1.7	1.6	46					0.08	33.67	27.1			
O3-5S-69n	1/13/05	1123	0.04	1.2	0.26	3.6	0.12	1.7	2.4	67					0.10	34.850	24.9			
O3-5S-69n	4/11/05	1131	0.12	3.7	0.06	0.8	0.20	2.8	2.6	72					0.10	34.471	25.3			
Geomean FY '05			2.1		1.3		2.5								0.09					

NELHA Water Quality Laboratory

Transect 3, Station 5

8/3/1993 - 7/10/2025

SITE ID	DATE	TIME	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)	(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)	(unit)	(ppm)	(μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
O3-5S-69r	7/20/05	1121	0.07	2.2	0.21	2.9	0.15	2.1	4.2	117					0.17	34.648	26.7			
O3-5S-69r	10/11/05	1012	0.05	1.5	0.01	0.1	0.18	2.5	4.2	119					0.18	34.848	27.5			
O3-5S-69r	3/14/06	835	0.09	2.8	0.06	0.8	0.26	3.6	1.4	39					0.09	34.859	24.4			
O3-5S-69r	5/15/06	1040	0.06	1.9	0.07	1.0	0.07	1.0	1.8	51					0.08	34.767	24.8			
Geomean FY '06			2.0		0.8		2.1								0.12					
O3-5S-69r	8/14/06	1041	0.12	3.7	0.21	2.9	0.20	2.8	3.0	84					0.11	34.607	26.9			
O3-5S-69r	11/1/06	1045	0.10	3.1	0.09	1.3	0.47	6.6	2.0	57					0.71	34.817	27.4			
O3-5S-69r	2/12/07	1107	0.12	3.7	0.07	1.0	0.37	5.2	1.2	33					0.33	34.443	24.5			
O3-5S-69r	4/9/07	1040	0.11	3.4	0.07	1.0	0.31	4.3	2.4	66					2.64	34.712	25.1			
Geomean FY '07			3.5		1.4		4.5								0.51					
T3-500m	9/26/07	1008	0.14	4.2	0.07	1.0	0.11	1.6	2.2	62	0.33	10.3	5.2	72	0.05	34.979	26.9	8.20	6.33	0.04
T3-500m	12/13/07	1220	0.07	2.2	0.07	1.0			2.9	81	0.39	12.1	4.8	68	0.12	34.775	26.2	8.2	6.23	0.43
T3-500m	3/10/08	1115	0.15	4.5	0.05	0.7	0.06	0.8	6.9	193	0.38	11.7	5.8	82	0.14	34.930	25.0	8.18	6.56	0.34
T3-500m	6/5/08	1104	0.06	2.0	0.13	1.8	0.16	2.2	10.4	293	0.24	7.3	5.5	77	0.06	34.7875	25.6	8.13	6.52	0.11
Geomean FY '08			3.0		1.1		1.4				10.2		74		0.08					0.16
T3-500m	9/22/08	1207	0.09	2.7	0.03	0.4	0.04	0.6	1.5	41	0.37	11.5	4.8	68	0.07	34.865	27.0	8.04	6.29	0.06
T3-500m	11/17/08	1048	0.14	4.4	0.00	0.01	0.14	1.9	1.6	46	0.37	11.5	5.5	77	0.26	34.966	26.4	8.26	6.03	0.03
T3-500m	2/9/09	1059	0.07	2.3	0.10	1.4	0.12	1.7	2.2	62	0.26	8	5.8	82	0.08	35.106	25.0	8.06	5.97	0.01
T3-500m	4/13/09	1034	0.20	6.1	0.11	1.6	0.56	7.9	3.2	89	0.49	15.1	5.5	77	0.10	34.971	24.0	8.20	6.51	0.04
Geomean FY '09			3.6		0.3		2.0				11.2		76		0.11					0.03
T3-500m	9/9/09	1100	0.14	4.4	0.03	0.4	0.07	1	5.9	165	0.56	17.4	5.9	82	0.11	35.24	27.7	8.20	5.33	0.19
T3-500m	11/23/09	1109	0.03	0.8	0.09	1.2	0.01	0.1	22.5	632	0.44	13.5	4.8	67	0.06	35.24	25.4	8.28	6.26	0.09
T3-500m	2/23/10	1109	0.14	4.4	0.01	0.1	0.39	5.5	9.7	271	0.39	12.2	6.4	90	0.08	35.08	24.9	8.18	5.94	0.36
T3-500m	5/25/10	1012	0.03	1	0.01	0.1	0.14	2	1.4	40	0.26	8.1	4.8	67	0.08	35.04	25.2	8.22	6.85	0.05
Geomean FY '10			2.0		0.3		1.0				12.3		76		0.08					0.13
T3-500m	8/10/10	1106	0.01	0.2	0.01	0.2	0.05	0.7	1.9	52	0.29	9	2.9	40	0.04	34.91	26.43	8.25	6.58	0.13
T3-500m	11/8/10	1109	0.02	0.7	0.04	0.6	0.02	0.3	5.3	148	0.36	11.2	4.3	60	0.07	35.39	26.71	8.27	6.24	0.07
T3-500m	1/11/11	1109	0.12	3.7	0.01	0.2	0.03	0.4	2.1	59	0.43	13.2	3.9	55	0.04	35.01	25.07	8.22	6.32	0.11
T3-500m	4/26/11	1012	0.15	4.6	0.03	0.4	0.04	0.5	1.3	36	0.46	14.3	4.4	62	0.09	34.92	24.89	8.21	6.41	0.12
Geomean FY '11			1.2		0.3		0.5				11.7		54		0.06					0.10

NELHA Water Quality Laboratory

Transect 3, Station 5

8/3/1993 - 7/10/2025

SITE ID	DATE	TIME	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)	(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)	(unit)	(ppm)	(μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T3-500m	7/26/11	1146	0.18	5.5	0.01	0.1	0.02	0.3	0.1	3	0.47	14.6	4.4	62	0.09	34.87	26.27	8.26	6.40	0.04
T3-500m	10/18/11	1055	0.01	0.3	0.04	0.5	0.10	1.4	1.6	46	0.36	11.3	4.8	67	0.07	35.05	26.80	8.23	6.78	0.11
T3-500m	1/25/12	1139	0.05	1.6	0.01	0.2	0.02	0.3	1.4	40	0.33	10.3	3.8	54	0.08	35.09	25.08	8.22	6.81	0.07
T3-500m	4/24/12	1202	0.12	3.7	0.04	0.6	0.23	3.2	0.4	12	0.43	13.3	3.3	47	0.05	35.07	24.97	8.22	6.71	0.07
Geomean FY '12			1.8		0.3		0.8				12.3		57		0.07					0.07
T3-500m	7/24/12	1102	0.02	0.6	0.09	1.2	0.14	1.9	2.2	61	0.37	11.5	3.7	53	0.12	35.02	26.35	8.26	6.86	0.14
T3-500m	11/27/12	1042	0.06	1.9	0.04	0.6	0.26	3.7	1.3	35	0.36	11.2	4.8	67	0.03	35.23	25.51	8.21	6.87	0.18
T3-500m	1/23/13	1059	0.07	2.3	0.01	0.1	0.26	3.6	1.0	27	0.41	12.8	5.2	73	0.08	35.12	24.90	8.23	6.42	0.08
T3-500m	4/16/13	1106	0.13	4.1	0.09	1.3	0.11	1.6	0.4	12	0.48	14.9	5.5	78	0.02	35.12	24.94	8.22	6.86	0.50
Geomean FY '13			1.8		0.6		2.5				12.5		67		0.05					0.18
T3-500m	8/1/13	1015	0.02	0.6	0.08	1.1	0.03	0.4	2.0	57	0.38	11.9	5.0	70	0.13	35.25	26.6	8.26	6.82	0.07
T3-500m	10/29/13	1049	0.09	2.7	0.09	1.3	0.37	5.2	1.6	45	0.47	14.6	5.9	83	0.02	35.28	27.2	8.22	6.23	0.17
T3-500m	2/4/14	1101	0.09	2.9	0.06	0.8	0.29	4.1	1.5	42	0.37	11.5	3.7	52	0.02	35.12	25.3	8.20	6.25	0.11
T3-500m	5/6/14	1103	0.12	3.8	0.06	0.8	0.50	7.0	1.1	32	0.42	13.1	6.0	84	0.03	34.85	26.2	8.20	6.06	0.16
Geomean FY '14			2.1		1.0		2.8				12.7		71		0.04					0.12
T3-500m	8/5/14	1051	0.19	5.8	0.03	0.4	0.51	7.2	0.5	15	0.50	15.5	4.9	69	0.09	34.93	27.1	8.22	5.86	0.10
T3-500m	11/17/14	1227	0.16	4.9	0.01	0.1	0.40	5.6	0.0	0	0.46	14.4	6.4	90	0.05	34.96	27.4	8.22	6.70	0.16
T3-500m	3/3/15	1103	0.05	1.7	0.01	0.1	0.14	2.0	0.1	3	0.33	10.2	6.9	96	0.10	34.79	25.7	8.19	6.97	0.04
T3-500m	6/16/15	1314	0.08	2.5	0.10	1.4	0.43	6.0	2.0	57	0.11	3.5	7.9	111	0.07	34.29	27.0	8.22	6.04	0.14
Geomean FY '15			3.3		0.3		4.7				9.4		90		0.07					0.10
T3-500m	8/26/15	1048	0.16	5.0	0.06	0.8	0.22	3.1	1.1	32	0.20	6.3	4.5	64	0.02	34.47	28.7	8.23	5.99	0.13
T3-500m	11/17/15	1121	0.12	3.8	0.39	5.5	0.32	4.5	4.3	120	0.53	16.3	5.6	78	0.06	34.01	27.5	8.24	6.43	0.13
T3-500m	3/1/16	1123	0.15	4.6	0.35	4.9	0.42	5.9	0.3	9	0.49	15.3	5.2	73	0.08	34.78	25.5	8.24	5.73	0.09
T3-500m	5/3/16	1045	0.18	5.7	0.13	1.8	0.08	1.1	0.1	2	0.46	14.2	7.2	101	0.09	34.65	26.2	8.26	6.45	0.22
Geomean FY '16			4.7		2.5		3.1				12.2		78		0.05					0.14
T3-500m	7/6/16	1214	0.06	2.0	0.26	3.6	0.19	2.7	0.4	12	0.42	13.1	4.6	65	0.10	34.78	27.3	8.30	6.61	0.26
T3-500m	12/20/16	1141	0.04	1.3	0.09	1.3	0.09	1.2	1.6	45	0.33	10.1	2.7	38	0.03	34.75	25.7	8.27	5.33	0.09
T3-500m	2/28/17	1027	0.02	0.5	0.02	0.3	0.11	1.6	0.1	2	0.27	8.5	4.3	60	0.11	34.70	24.7	8.22	5.54	0.10
T3-500m	5/10/17	1017	0.05	1.6	0.01	0.1	0.17	2.4	0.0	0	0.22	6.7	3.0	42	0.11	34.81	26.0	8.22	4.10	0.04
Geomean FY '17			1.2		0.6		1.9				9.3		50		0.08					0.10

NELHA Water Quality Laboratory

Transect 3, Station 5

8/3/1993 - 7/10/2025

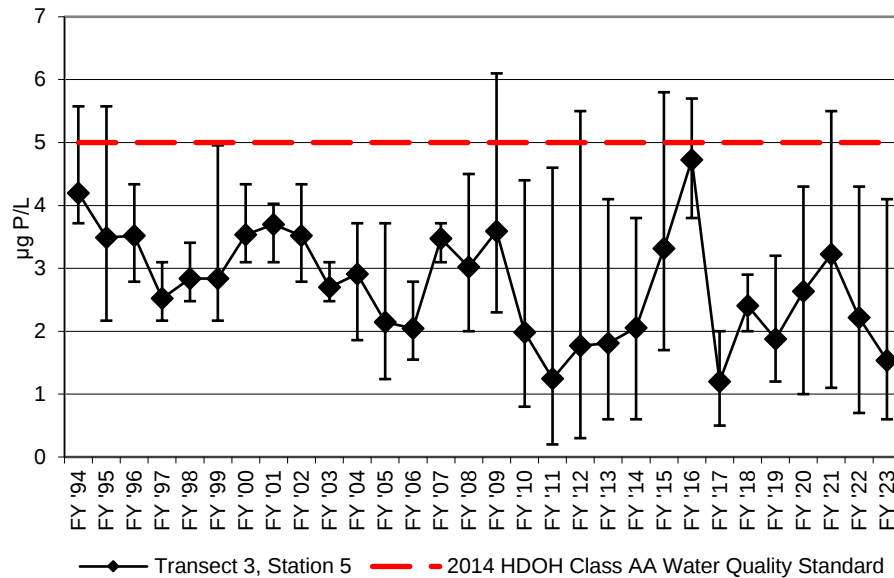
SITE ID	DATE	TIME	PO ₄ ³⁻		NO ₃ ⁻ & NO ₂ ⁻		NH ₄ ⁺ & NH ₃		Si		TDP		TDN		Turbidity	Salinity	Temp.	pH	DO	Chl a
	M/D/Y	(2400)	(μM)	(μg P/L)	(μM)	(μg N/L)	(μM)	(μg N/L)	(μM)	(μg Si/L)	(μM)	(μg P/L)	(μM)	(μg N/L)	(NTU)	(PSU)	(°C)	(unit)	(ppm)	(μg/L)
DOH LIMIT			5		4.5		2.5				12.5		100		0.10					0.30
T3-500m	9/27/17	1047	0.09	2.9	0.09	1.2	0.09	1.3	0.2	7	0.40	12.4	3.1	44	0.07	34.81	28.2	8.23	4.25	0.09
T3-500m	11/28/17	1211	0.08	2.4	0.11	1.5	0.39	5.5	0.9	25	0.34	10.5	2.9	40	0.05	35.11	26.6	8.21	4.73	0.08
T3-500m	1/30/18	1202	0.08	2.4	0.13	1.8	0.14	2.0	1.4	39	0.36	11.2	2.8	40	0.07	34.87	24.6	8.17	5.23	0.08
T3-500m	5/16/18	1146	0.06	2.0	0.16	2.3	0.09	1.3	1.0	29	0.35	10.9	3.0	41	0.03	34.66	26.4	8.17	5.95	0.07
Geomean FY '18			2.4		1.7		2.1				11.2		41		0.05					0.08
T3-500m	9/24/18	1128	0.04	1.2	0.16	2.3	0.19	2.7	0.0	1	0.34	10.4	2.7	38	0.07	34.82	27.8	8.16	5.10	0.15
T3-500m	11/13/18	1147	0.04	1.2	0.09	1.3	0.12	1.7	0.0	1	0.33	10.3	4.5	64	0.06	35.01	27.7	8.24	4.55	0.06
T3-500m	1/22/19	1133	0.09	2.7	0.07	1.0	0.06	0.8	0.1	3	0.36	11.1	2.1	30	0.06	34.99	25.1	8.22	5.65	0.08
T3-500m	4/16/19	1141	0.10	3.2	0.03	0.4	0.14	2.0	1.7	49	0.36	11.3	2.0	28	0.03	35.59	26.1	8.17	7.08	0.15
Geomean FY '19			1.9		1.0		1.6				10.8		38		0.05					0.10
T3-500m	8/13/19	1128	0.03	1.0	0.16	2.3	0.39	5.5	1.5	41	0.28	8.6	1.8	25	0.08	35.66	28.4	8.20	6.48	0.18
T3-500m	11/19/19	1045	0.10	3.1	0.04	0.6	0.09	1.3	0.1	3	0.36	11.2	1.6	23	0.06	34.80	27.7	8.24	6.45	0.13
T3-500m	1/22/20	1113	0.12	3.6	0.16	2.3	0.09	1.3	0.7	19	0.37	11.6	1.9	27	0.04	34.95	25.1	8.22	6.65	0.10
T3-500m	6/24/20	1138	0.14	4.3	0.16	2.3	0.09	1.3	2.0	57	0.22	6.8	1.8	26	0.05	35.43	26.7	8.18	6.64	0.39
Geomean FY '20			2.6		1.6		1.8				9.3		25		0.06					0.17
T3-500m	9/22/20	1213	0.18	5.5	0.05	0.7	0.35	4.9	1.1	31	0.37	11.4	6.5	92	0.03	35.65	26.5	8.18	4.93	0.25
T3-500m	12/15/20	1218	0.11	3.5	0.01	0.2	0.25	3.5	0.2	5	0.26	8.1	5.3	74	0.05	35.66	26.7	8.12	6.62	0.21
T3-500m	3/9/21	1027	0.16	5.1	0.13	1.8	0.20	2.8	0.7	20	0.31	9.5	3.3	47	0.04	35.69	24.9	8.11	6.81	0.11
T3-500m	5/25/21	1102	0.04	1.1	0.28	3.9	0.14	2.0	2.4	69	0.13	4.0	5.0	70	0.10	35.67	26.2	8.04	6.79	0.14
Geomean FY '21			3.2		1.0		3.1				7.7		69		0.05					0.17
T3-500m	9/24/21	953	0.02	0.7	0.01	0.2	0.16	2.2	-0.3	-10	0.20	6.3	4.8	67	0.06	35.56	26.8	8.03	6.65	0.15
T3-500m	12/14/21	1051	0.14	4.3	0.06	0.8	0.08	1.1	0.7	18	0.27	8.5	4.2	59	0.05	35.11	26.0	8.13	6.72	0.25
T3-500m	3/16/22	916	0.11	3.5	0.06	0.8	0.09	1.2	0.1	3	0.33	10.3	4.2	59	0.08	34.91	25.5	8.07	6.84	0.22
T3-500m	6/8/22	1033	0.07	2.3	0.08	1.1	0.24	3.4	-0.1	-3	0.26	8.2	4.0	56	0.10	34.50	26.3	8.08	6.73	0.12
Geomean FY '22			2.2		0.6		1.8				8.2		60		0.07					0.18
T3-500m	9/21/22	1022	0.03	0.9	0.09	1.3	0.21	3.0	0.2	6	0.19	5.8	4.4	62	0.14	34.92	27.1	8.13	6.67	0.22
T3-500m	12/27/22	1045	0.08	2.5	0.08	1.1	0.01	0.2	0.4	13	0.19	5.8	5.0	70	0.09	34.95	25.8	8.15	6.72	0.24
T3-500m	3/15/23	959	0.13	4.1	1.05	14.7	0.09	1.2	7.0	198	0.25	7.8	5.6	79	0.11	34.49	24.7	8.08	6.84	0.43
T3-500m	5/15/23	1035	0.02	0.6	0.11	1.5	0.06	0.8	1.2	35	0.20	6.2	5.0	69	0.09	34.73	26.0	8.09	6.77	0.19
Geomean FY '23			1.5		2.4		0.9				6.4		70		0.11					0.26

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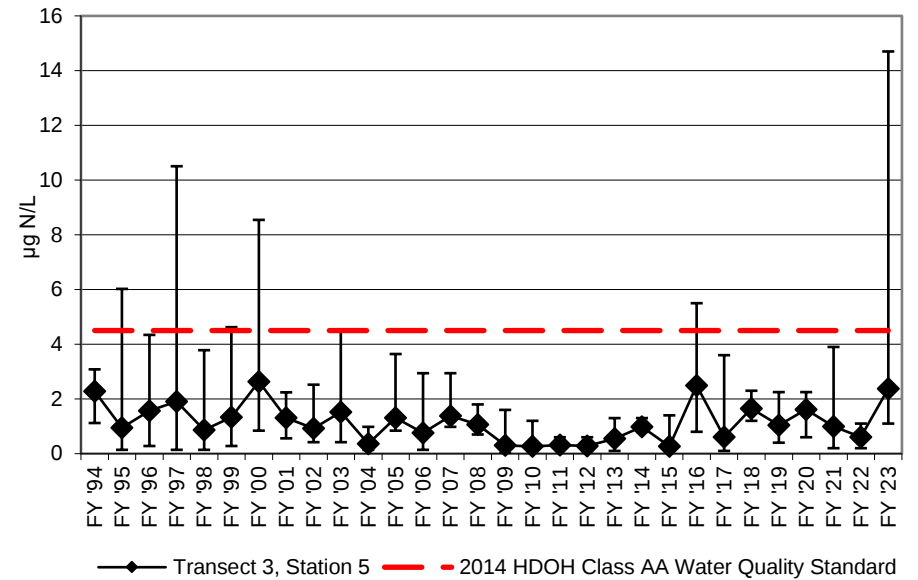
Transect 3, Station 5

8/3/1993 - 7/10/2025

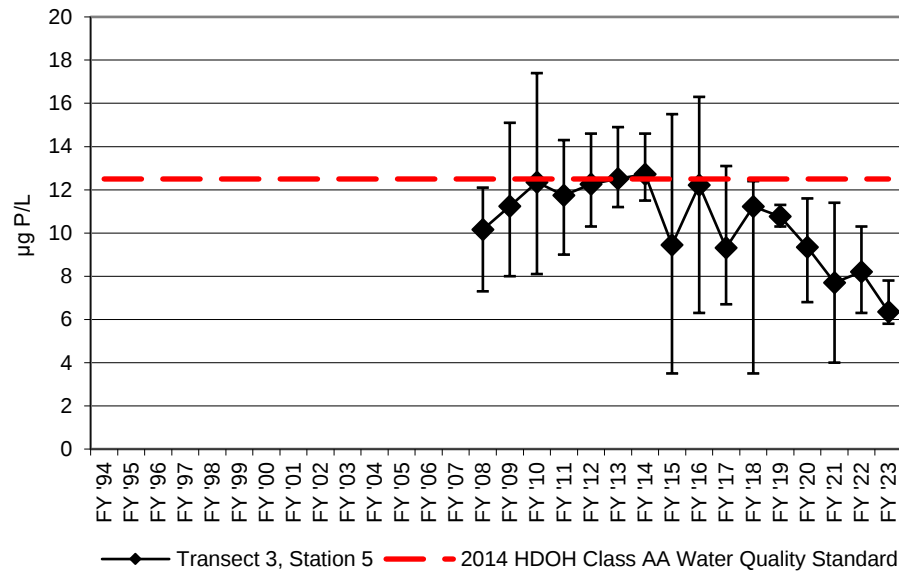
**Yearly Geometric Mean
Ortho-Phosphate**



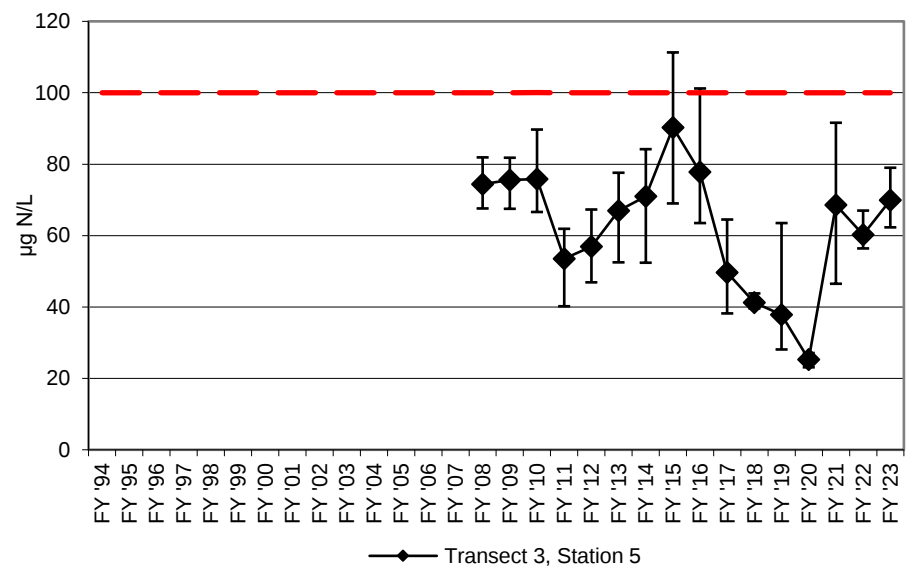
**Yearly Geometric Mean
Nitrate + Nitrite**



**Yearly Geometric Mean
Total Dissolved Phosphorous**



**Yearly Geometric Mean
Total Dissolved Nitrogen**

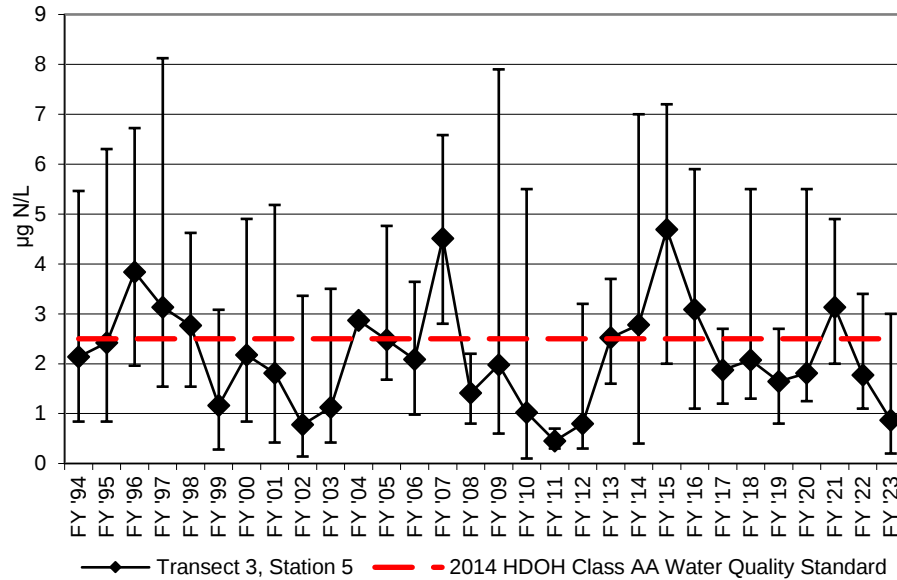


NELHA Water Quality Laboratory

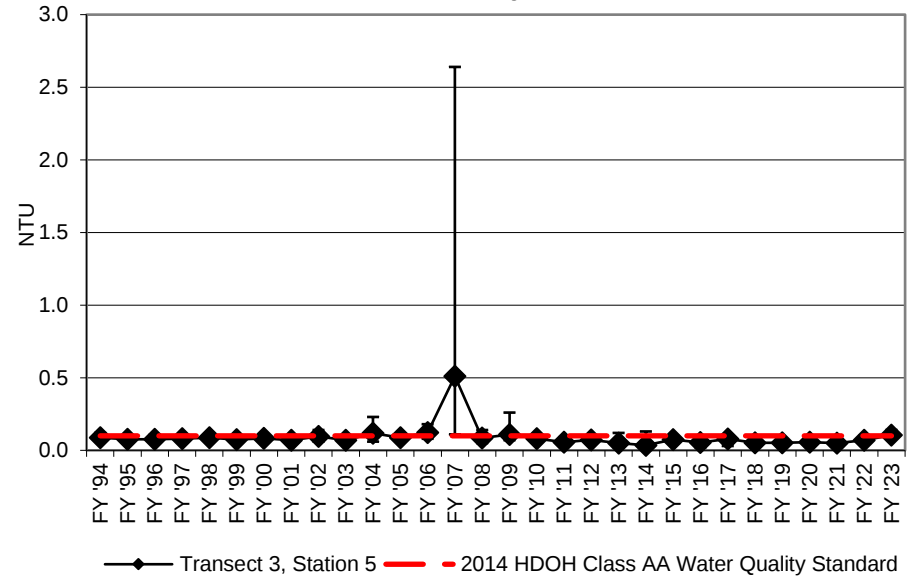
Transect 3, Station 5

8/3/1993 - 7/10/2025

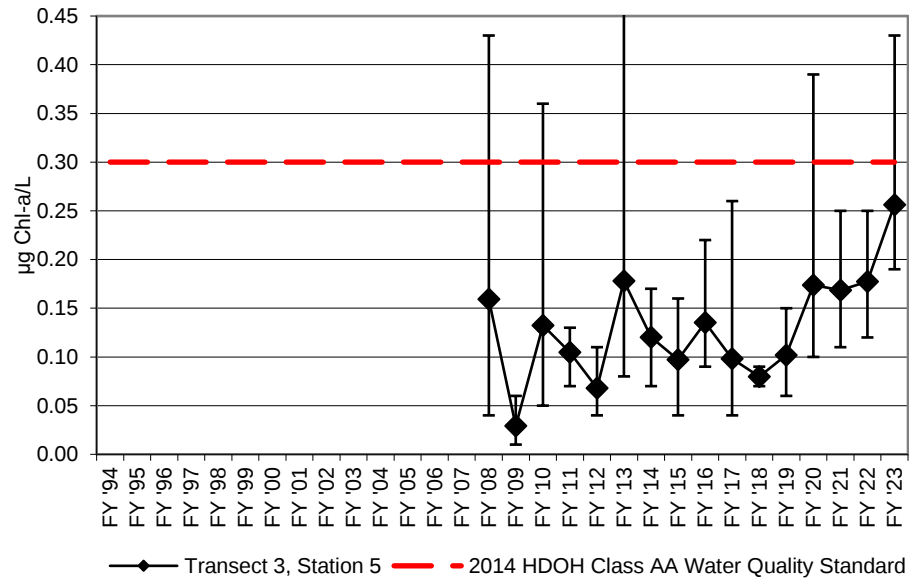
Yearly Geometric Mean
Total Ammonia



Yearly Geometric Mean
Turbidity



Yearly Geometric Mean
Chlorophyll-a



SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O3-1B	3-Aug-93	1054	0.12	0.29	0.43	3.45	0.30	0.34	8.47
O3-1B	8-Dec-93	1102	0.10	0.19	0.17	2.73	0.25	0.25	5.52
O3-1B	8-Mar-94	1025	0.21	0.43	0.25	3.84	0.33	0.33	5.67
O3-1B	13-Jun-94	1018	0.15	0.37	0.16	4.63	0.32	0.32	6.43
O3-1B	8-Sep-94	908	0.09	0.18	0.30	2.26	0.29	0.30	5.72
O3-1B	15-Nov-94	941	0.17	0.53	0.61	5.00	0.35	0.38	6.19
O3-1B	21-Mar-95	837	0.19	0.14	0.13	3.39	0.35	0.35	5.40
O3-1B	21-Jun-95	951	0.10	0.08	0.33	2.05	0.29	0.29	5.11
O3-1B	25-Sep-95	1155	0.19	0.28	0.34	4.94	0.33	0.34	7.00
O3-1B	13-Nov-95	818	0.14	0.18	0.51	3.09	0.29	0.29	5.61
O3-1B	11-Mar-96	1223	0.14	0.31	0.50	2.39	0.37	0.37	5.14
O3-1B	13-May-96	1127	0.11	0.18	0.23	2.86	0.31	0.32	4.37
O3-1B	30-Jul-96	949	0.10	0.44	0.31	2.80	0.24	0.24	4.95
O3-1B	1-Oct-96	930	0.08	0.10	0.67	2.89	0.28	0.28	4.99
O3-1B	6-Jan-97	931	0.10	0.38	0.16	3.08	0.32	0.33	4.78
O3-1B	21-Apr-97	914	0.12	1.94	0.29	3.32	0.36	0.36	6.16
O3-1B	18-Aug-97	908	0.12	0.42	0.22	4.11	0.37	0.39	5.08
O3-1B	6-Oct-97	932	0.11	0.16	0.31	7.64	0.38	0.38	4.76
O3-1B	3-Mar-98	931	0.10	0.37	0.32	3.18	0.33	0.33	5.90
O3-1B	4-May-98	1240	0.12	0.43	0.16	1.98	0.41	0.42	4.97
O3-1B	6-Jul-98	947	0.13	0.60	0.06	6.38	0.39	0.39	5.68
O3-1B	5-Oct-98	923	0.11	0.14	0.10	2.52	0.41	0.41	5.41
O3-1B	13-Jan-99	921	0.12	1.01	0.20	4.30	0.32	0.32	6.21
O3-1B	13-Apr-99	916	0.16	0.70	0.11	9.40	0.44	0.44	4.68
O3-1B	13-Jul-99	950	0.14	0.46	0.05	3.93	0.37	0.39	6.08
O3-1B	25-Oct-99	934	0.12	0.57	0.33	6.03	0.38	0.38	5.52
O3-1B	4-Jan-00	944	0.11	0.55	0.37	3.75	0.33	0.33	6.10
O3-1B	16-May-00	1008	0.17	0.39	0.09	6.59	0.36	0.36	5.61
O3-1B	24-Jul-00	952	0.10	0.06	0.03	9.16	0.37	0.37	5.69
O3-1B	30-Oct-00	1005	0.13	0.11	0.29	3.66	0.35	0.36	5.28
O3-1B	26-Feb-01	1003	0.14	0.20	0.16	3.12	0.37	0.37	5.38
O3-1B	8-May-01	923	0.17	0.67	0.21	8.71	0.40	0.38	6.03
O3-1B	13-Aug-01	947	0.11	0.08	0.30	3.72	0.34	0.32	5.61
O3-1B	10-Oct-01	933	0.16	0.12	0.08	3.85	0.38	0.39	6.06
O3-1B	4-Mar-02	1102	0.13	0.72	0.04	4.47	0.39	0.39	6.61
O3-1B	16-Apr-02	1117	0.17	0.34	0.32	7.46	0.37	0.37	7.02
O3-1B	9-Jul-02	1006	0.13	0.52	0.15	4.33	0.34	0.35	5.99
O3-1B	7-Oct-02	1102	0.08	0.55	0.24	5.29	0.29	0.31	5.54
O3-1B	10-Mar-03	1032	0.15	0.47	0.04	3.08	0.40	0.38	6.36
O3-1B	22-Apr-03	1010	0.08	0.44	0.04	3.75	0.34	0.35	6.03
O3-1B	19-Aug-03	1115	0.12	0.15	0.20	3.01	0.36	0.37	5.03
O3-1B	30-Oct-03	848	0.10	0.03	0.20	2.04	0.39	0.40	6.30
O3-1B	17-Mar-04	1001	0.13	0.02	0.23	1.89	0.35	0.36	5.39
O3-1B	20-May-04	1106	0.13	0.11	0.22	2.38	0.39	0.39	5.68
O3-1B	20-Sep-04	1054	0.09	0.64	0.29	2.00	0.33	0.34	4.59
O3-1B	17-Nov-04	1021	0.08	0.10	0.17	2.22	0.33	0.33	4.55
O3-1B	13-Jan-05	1148	0.08	0.65	0.11	3.38	0.29	0.29	4.72
O3-1B	11-Apr-05	1158	0.14	0.90	0.24	4.40	0.37	0.37	4.63
O3-1B	20-Jul-05	1144	0.33	0.33	0.18	3.14	0.60	0.60	3.09

O3-1B	11-Oct-05	1035	0.05	<0.01	0.14	1.53	0.32	0.32	4.40
O3-1B	14-Mar-06	859	0.15	0.83	0.34	3.79	0.38	0.38	4.91
O3-1B	15-May-06	1105	0.12	1.06	0.27	4.36	0.46	0.45	5.89
O3-1B	14-Aug-06	1105	0.13	0.30	0.27	2.67	0.38	0.42	5.40
O3-1B	1-Nov-06	1114	0.10	0.21	0.52	2.15	0.34	0.32	5.81
O3-1B	12-Feb-07	1131	0.14	0.41	0.36	3.20	0.37	0.37	5.99
O3-1B	9-Apr-07	1108	0.11	0.22	0.29	4.97	0.35	0.37	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
1.29	0.10	34.496	26.9	8.234	7.65	0.50			
1.15	0.07	34.790	25.7	8.247	7.44	0.09			
1.13	0.10	34.199	25.1	8.253	7.29	0.02	<1	<1	
1.06	0.15	34.507	25.6	8.232	7.04	0.11	<1	<1	
1.14	0.09	34.627	27.5	8.249	7.18	0.16	2	<1	
1.04	0.08	34.561	26.0	8.256	7.55	0.09	<1	<1	
1.10	0.19	34.224	25.0	8.226	7.96	0.11	<1	<1	
0.91	0.07	34.474	26.2	8.230	7.61	0.16	<1	<1	
1.08	0.13	34.516	27.3	8.269	7.30	0.08	<1	<1	
1.11	0.08	34.391	26.7	8.058	6.65	0.05	<1	1	
1.02	0.09	34.193	25.5	7.981	7.32	0.04	<1	<1	
0.89	0.10	34.317	27.1	8.081	7.32	0.10	1	<1	
1.08	0.10	34.485	28.3	8.247	7.38	0.13	<1	<1	
1.05	0.12	34.704	28.0	8.222	7.39	0.04	<1	<1	
0.85	0.08	34.686	25.5	8.274	7.54	0.00	1	1	
1.07	0.14	34.551	26.4	8.275	7.26	0.18	<1	<1	
1.10	0.12	34.618	26.9	8.389	7.14	0.14	<1	<1	
1.09	0.09	34.704	27.4	8.447	7.03	0.12	<1	<1	
1.13	0.10	35.000	24.8	8.214	7.56	0.12	<1	<1	
0.92	0.10	35.025	23.9	8.239	7.67	0.09	<1	<1	
1.07	0.12	34.943	26.2	8.214	7.60	0.14	<1	<1	
1.12	0.11	35.096	27.1	8.229	8.06	0.09	<1	<1	
1.21	0.08	35.044	24.8	8.216	7.45	0.15	1	<1	
1.01	0.21	34.624	24.2	8.189	7.55	0.11	<1	<1	
1.08	0.09	34.923	26.0	8.210	7.13	0.14	<1	<1	
1.16	0.10	34.945	26.1	8.256	7.64	0.15	<1	<1	
0.95	0.09	35.064	24.8	8.221	7.62	0.04	<1	<1	
1.11	0.13	34.666	25.3	8.255	7.63	0.18	<1	<1	
1.01	0.07	34.867	27.2	8.267	7.36	0.24	<1	1	
1.08	0.07	34.981	27.0	8.244	7.36	0.12	<1	1	
1.08	0.13	34.727	24.8	8.200	7.21	0.07	<1	3	
1.14	0.12	34.770	24.8	7.941	7.25	0.16	<1	10	
1.07	0.11	34.892	26.6	8.209	7.53	0.11	<1	<1	
1.07	0.11	34.943	27.3	8.208	7.34	0.30	<1	<1	
1.02	0.09	34.669	24.2	8.229	7.14	0.16	<1	<1	
1.05	0.13	34.403	25.7	8.206	7.16	0.18	<1	<1	
0.92	0.08	34.636	26.6	8.206	7.18	0.21	2	<1	
0.96	0.10	34.933	27.1	8.254	7.55	0.09	<1	2	
0.98	0.12	34.798	24.8	8.249	7.67	0.12	<1	6	
0.94	0.08	35.002	25.0	8.259	7.32	0.30	<1	<1	
	0.11	34.852	28.0	8.248	6.82	0.12	<1	<1	
	0.08	34.823	27.5	8.222	NO DATA	0.08	<1	<1	
	NO DATA	34.358	25.9	8.283	6.45	0.14	<1	3	
	NO DATA	33.47	26.6	8.246	7.07	0.01	<1	<1	
	0.11	33.71	28.1	8.253	7.71	0.12	1	<1	
	0.07	33.70	27.1	8.297	6.24	0.08	<1	<1	
	0.10	34.837	25.5	8.352	6.93	0.10	<1	<1	
	0.21	34.447	25.3	8.322	7.13	0.09	<1	<1	
	0.17	34.681	27.1	8.248	6.82	0.04	<1	<1	

1.08	0.09	34.860	27.5	8.290	6.64	0.07	<1	<1
	0.09	34.789	24.5	8.238	6.90	0.09	<1	4
1.04	0.15	34.673	24.9	8.273	6.99	0.34	<1	<1
0.95	0.13	34.612	26.7	8.255	7.16	0.19	<1	<1
1.07	0.25	34.804	27.4	8.276	6.92	0.17	<1	<1
1.04	0.38	34.499	24.7	8.237	7.21	0.11	3	<1
0.99	0.16	34.630	25.3	8.235	6.69	0.03	<1	<1

-134.8	27.0
-144.1	24.8
-151.1	23.9
-155.6	24.3
-160.6	25.2
-161.2	23.8
-158.2	23.4
-133.1	24.5
-109.4	26.3
-90.0	24.2
-53.2	24.3
-72.2	27.2
-108.7	25.7
-115.3	25.1
-87.3	22.0
-87.2	24.5
-83.4	25.3
-82.4	24.8
-73.7	24.5
-75.3	24.5
-83.3	24.7
-86.3	25.2
-88.6	24.0
-89.9	24.6
-96.2	24.4
-75.3	24.7
-74.4	24.5
-78.2	24.9
-80.9	25.9
-84.3	24.8
-84.7	24.2
-69.2	24.8
-84.9	27.3
-87.3	26.6
-87.6	25.2
-86.2	26.2
-86.5	27.3
-86.8	25.5
-88.1	24.9
-86.3	25.6
-86.8	25.5
-94.9	24.6
-88.1	23.6
-93.1	23.6
-89.9	26.6
-101.6	24.4
-88.1	23.6
-88.7	23.6
-90.8	25.9

-84.2	23.1
-85.3	24.4
-86.7	25.7
-88.8	25.6
-92.8	26.4
-90.9	25.6
-91.5	25.5

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O3-2B	3-Aug-93	1047	0.12	0.27	0.39	3.60			5.30
O3-2B	8-Dec-93	1058	0.09	0.19	0.14	2.73			
O3-2B	8-Mar-94	1020	0.20	0.38	0.25	3.21			
O3-2B	13-Jun-94	1012	0.13	0.26	0.06	4.58			
O3-2B	8-Sep-94	852	0.10	0.17	0.17	2.04			
O3-2B	15-Nov-94	930	0.16	0.50	0.59	4.56			
O3-2B	21-Mar-95	834	0.22	0.12	0.11	4.15			
O3-2B	21-Jun-95	947	0.10	0.05	0.37	1.84			
O3-2B	25-Sep-95	1210	0.16	0.24	0.27	3.41			
O3-2B	13-Nov-95	825	0.14	0.18	0.48	1.69			
O3-2B	11-Mar-96	1219	0.12	0.27	0.52	2.36			
O3-2B	13-May-96	1124	0.12	0.37	0.28	3.21			
O3-2B	30-Jul-96	1045	0.10	0.37	0.31	2.45			
O3-2B	1-Oct-96	925	0.07	0.04	0.63	2.33			
O3-2B	6-Jan-97	928	0.10	0.34	0.16	2.94			
O3-2B	21-Apr-97	909	0.11	1.45	0.27	2.75			
O3-2B	18-Aug-97	903	0.11	0.39	0.23	3.45			
O3-2B	6-Oct-97	927	0.11	0.06	0.34	4.35			
O3-2B	3-Mar-98	926	0.08	0.24	0.27	3.01			
O3-2B	4-May-98	1234	0.12	0.38	0.18	4.04			
O3-2B	6-Jul-98	941	0.13	0.58	0.09	6.56			
O3-2B	5-Oct-98	916	0.09	0.06	0.09	2.79			
O3-2B	13-Jan-99	916	0.11	0.65	0.30	4.47			
O3-2B	13-Apr-99	911	0.18	0.63	0.12	4.23			
O3-2B	13-Jul-99	945	0.13	0.51	0.04	4.20			
O3-2B	25-Oct-99	938	0.12	0.38	0.33	3.44			
O3-2B	4-Jan-00	939	0.10	0.31	0.35	2.87			
O3-2B	16-May-00	1005	0.14	0.28	0.12	3.69			
O3-2B	24-Jul-00	947	0.11	0.20	0.01	4.70			
O3-2B	30-Oct-00	958	0.12	0.07	0.31	5.49			
O3-2B	26-Feb-01	958	0.15	0.27	0.13	3.98			
O3-2B	8-May-01	920	0.13	0.49	0.23	3.84			
O3-2B	13-Aug-01	943	0.10	0.09	0.32	2.40			
O3-2B	10-Oct-01	928	0.14	0.10	0.06	3.12			
O3-2B	4-Mar-02	1059	0.14	0.39	0.02	3.41			
O3-2B	16-Apr-02	1112	0.17	0.58	0.35	6.98			
O3-2B	9-Jul-02	1003	0.14	0.48	0.14	3.99			
O3-2B	7-Oct-02	1059	0.08	0.40	0.26	6.30			
O3-2B	10-Mar-03	1025	0.12	0.05	0.04	2.46			
O3-2B	22-Apr-03	1005	0.08	0.34	0.04	2.52			
O3-2B	19-Aug-03	1104	0.06	0.03	<0.20	1.46			
O3-2B	30-Oct-03	841	0.08	0.02	0.20	1.79			
O3-2B	17-Mar-04	947	0.12	<0.01	0.16	4.26			
O3-2B	20-May-04	1112	0.13	0.04	0.18	1.66			
O3-2B	20-Sep-04	1047	0.08	0.04	0.31	2.00			
O3-2B	17-Nov-04	1017	0.08	0.09	0.18	1.36			
O3-2B	13-Jan-05	1142	0.04	<0.01	0.10	1.63			
O3-2B	11-Apr-05	1152	0.14	0.75	0.24	3.75			
O3-2B	20-Jul-05	1137	0.09	0.23	0.15	4.58			

O3-2B	11-Oct-05	1028	0.05	<0.01	0.16	1.28
O3-2B	14-Mar-06	854	0.10	0.06	0.30	4.25
O3-2B	15-May-06	1058	0.07	<0.07	0.17	1.83
O3-2B	14-Aug-06	1100	0.13	0.32	0.24	2.73
O3-2B	1-Nov-06	1105	0.09	0.17	0.42	2.09
O3-2B	12-Feb-07	1124	0.13	<0.07	0.35	1.39
O3-2B	9-Apr-07	1101	0.13	0.09	0.40	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
	0.10	34.507	26.9						
	0.07	34.792	25.7						
	0.09	34.205	25.1						
	0.12	34.524	25.7						
	0.07	34.627	27.6						
	0.10	34.565	25.9						
	0.11	34.225	25.0						
	0.07	34.477	26.2						
	0.14	34.521	27.3						
	0.06	34.395	26.7						
	0.07	34.201	25.5						
	0.11	34.293	27.0						
	0.26	34.498	28.3						
	0.08	34.695	27.9						
	0.08	34.704	25.4						
	0.12	34.532	26.4						
	0.09	34.627	27.0						
	0.10	34.708	27.4						
	0.10	35.038	24.8						
	0.08	35.037	23.9						
	0.12	34.947	26.1						
	0.08	35.103	27.2						
	0.08	35.068	24.9						
	0.14	34.620	24.2						
	0.11	34.917	26.0						
	0.09	34.967	26.1						
	0.15	35.105	24.8						
	0.11	34.668	25.3						
	0.08	34.873	27.2						
	0.08	34.980	27.0						
	0.11	34.724	24.8						
	0.09	34.775	24.9						
	0.22	34.889	26.6						
	0.09	34.937	27.4						
	0.18	34.691	24.1						
	0.14	34.417	25.7						
	0.10	34.647	26.6						
	0.07	34.943	27.1						
	0.13	34.819	24.9						
	0.12	35.006	25.1						
	0.07	34.871	28.1						
	0.08	34.815	27.4						
	NO DATA	34.411	26.0						
	NO DATA	33.48	26.7						
	0.08	33.70	28.2						
	0.08	33.70	27.1						
	0.12	34.840	25.5						
	0.12	34.434	25.4						
	0.18	34.675	27.1						

0.12	34.846	27.5
0.09	34.861	24.4
0.08	34.749	25.0
0.11	34.615	26.7
0.26	34.801	27.8
0.20	34.492	24.6
0.14	34.667	25.4

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O3-3B	3-Aug-93	1039	0.10	0.21	0.35	3.18			
O3-3B	8-Dec-93	1052	0.11	0.14	0.14	3.28			
O3-3B	8-Mar-94	1015	0.19	0.30	0.25	2.80			
O3-3B	13-Jun-94	1006	0.11	0.15	0.07	3.88			
O3-3B	8-Sep-94	850	0.08	0.09	0.14	1.90			
O3-3B	15-Nov-94	927	0.15	0.35	0.61	4.92			
O3-3B	21-Mar-95	823	0.22	0.14	0.09	14.8			
O3-3B	21-Jun-95	945	0.07	0.00	0.35	1.70			
O3-3B	25-Sep-95	1220	0.16	0.25	0.31	3.43			
O3-3B	13-Nov-95	835	0.13	0.17	0.54	1.84			
O3-3B	11-Mar-96	1216	0.12	0.20	0.43	1.86			
O3-3B	13-May-96	1120	0.11	0.15	0.23	2.59			
O3-3B	30-Jul-96	1040	0.10	0.32	0.30	2.39			
O3-3B	1-Oct-96	919	0.07	0.03	0.69	2.74			
O3-3B	6-Jan-97	921	0.10	0.38	0.18	3.02			
O3-3B	21-Apr-97	903	0.11	0.96	0.20	4.90			
O3-3B	18-Aug-97	858	0.10	0.22	0.24	7.13			
O3-3B	6-Oct-97	916	0.10	0.08	0.34	11.1			
O3-3B	3-Mar-98	919	0.08	0.11	0.25	2.89			
O3-3B	4-May-98	1229	0.10	0.24	0.16	3.35			
O3-3B	6-Jul-98	935	0.11	0.49	0.08	5.05			
O3-3B	5-Oct-98	910	0.07	0.03	0.05	1.53			
O3-3B	13-Jan-99	911	0.09	0.48	0.20	3.57			
O3-3B	13-Apr-99	906	0.18	0.54	0.11	3.97			
O3-3B	13-Jul-99	937	0.12	0.32	0.12	3.30			
O3-3B	25-Oct-99	922	0.12	0.40	0.33	10.7			
O3-3B	4-Jan-00	932	0.09	0.24	0.34	2.55			
O3-3B	16-May-00	1002	0.14	0.32	0.09	3.43			
O3-3B	24-Jul-00	942	0.10	0.23	0.01	3.05			
O3-3B	30-Oct-00	950	0.13	0.03	0.31	3.81			
O3-3B	26-Feb-01	953	0.15	0.12	0.17	3.84			
O3-3B	8-May-01	917	0.14	0.69	0.23	4.34			
O3-3B	13-Aug-01	940	0.11	0.12	0.32	2.40			
O3-3B	10-Oct-01	924	0.14	0.15	0.04	3.34			
O3-3B	4-Mar-02	1056	0.14	0.37	0.02	3.06			
O3-3B	16-Apr-02	1107	0.17	0.21	0.45	5.27			
O3-3B	9-Jul-02	957	0.12	0.33	0.18	5.46			
O3-3B	7-Oct-02	1051	0.08	0.36	0.23	5.87			
O3-3B	10-Mar-03	1019	0.11	0.05	0.04	2.02			
O3-3B	22-Apr-03	1001	0.09	0.31	0.05	2.24			
O3-3B	19-Aug-03	1057	0.05	0.01	0.20	1.39			
O3-3B	30-Oct-03	833	0.09	0.02	0.20	1.78			
O3-3B	17-Mar-04	942	0.11	<0.01	0.21	1.49			
O3-3B	20-May-04	1115	0.12	<0.01	0.20	1.28			
O3-3B	20-Sep-04	1041	0.08	<0.01	0.30	1.89			
O3-3B	17-Nov-04	1013	0.07	<0.01	0.13	1.95			
O3-3B	13-Jan-05	1135	0.03	<0.01	0.14	1.55			
O3-3B	11-Apr-05	1148	0.13	0.36	0.19	3.32			
O3-3B	20-Jul-05	1132	0.08	0.19	0.15	2.43			

O3-3B	11-Oct-05	1022	0.06	<0.01	0.13	1.27
O3-3B	14-Mar-06	846	0.09	0.07	0.28	4.46
O3-3B	15-May-06	1053	0.07	<0.07	0.20	2.02
O3-3B	14-Aug-06	1053	0.12	0.33	0.19	2.83
O3-3B	1-Nov-06	1100	0.08	0.10	0.35	2.10
O3-3B	12-Feb-07	1119	0.13	0.13	0.34	1.39
O3-3B	9-Apr-07	1053	0.09	<0.07	0.19	1.67

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	34.520	26.9						
	0.07	34.790	25.7						
	0.08	34.217	25.1						
	0.10	34.544	25.7						
	0.07	34.626	27.6						
	0.11	34.599	26.0						
	0.13	34.226	24.9						
	0.06	34.480	26.2						
	0.15	34.521	27.3						
	0.06	34.391	26.6						
	0.10	34.244	25.5						
	0.11	34.301	27.0						
	0.08	34.525	28.4						
	0.12	34.691	27.9						
	0.11	34.679	25.5						
	0.15	34.542	26.4						
	0.13	34.639	27.0						
	0.12	34.712	27.4						
	0.07	35.044	24.8						
	0.10	35.053	24.0						
	0.12	34.949	26.2						
	0.16	35.107	27.3						
	0.08	35.082	24.8						
	0.12	34.624	24.2						
	0.13	34.922	26.0						
	0.09	34.956	26.1						
	0.16	35.105	24.8						
	0.08	34.671	25.3						
	0.11	34.869	27.2						
	0.11	34.997	27.0						
	0.24	34.739	24.8						
	0.08	34.769	24.9						
	0.11	34.892	26.6						
	0.18	34.927	27.4						
	0.10	34.695	24.2						
	0.07	34.438	25.7						
	0.09	34.640	26.6						
	0.08	34.926	27.1						
	0.11	34.838	24.9						
	0.08	35.014	25.1						
	0.07	34.847	28.0						
	0.08	34.820	27.4						
	NO DATA	34.360	26.0						
	NO DATA	33.48	26.7						
	0.06	33.72	28.1						
	0.07	33.67	27.1						
	0.07	34.871	25.5						
	0.10	34.472	25.2						
	0.13	34.691	26.9						

0.10	34.854	27.5
0.08	34.867	24.4
0.11	34.739	24.9
0.11	34.620	25.9
0.27	34.810	27.4
0.21	34.464	24.6
0.12	34.669	25.3

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O3-4B	3-Aug-93	1028	0.12	0.23	0.35	3.01			
O3-4B	8-Dec-93	1044	0.11	0.14	0.12	9.22			
O3-4B	8-Mar-94	1004	0.19	0.16	0.24	2.40			
O3-4B	13-Jun-94	1000	0.12	0.17	0.08	4.26			
O3-4B	8-Sep-94	844	0.11	0.07	0.12	1.85			
O3-4B	#####	923	0.15	0.38	0.45	3.72			
O3-4B	#####	814	0.21	0.14	0.12	6.94			
O3-4B	21-Jun-95	938	0.09	0.00	0.33	1.68			
O3-4B	#####	1234	0.16	0.31	0.31	5.63			
O3-4B	#####	842	0.13	0.14	0.54	5.26			
O3-4B	#####	1210	0.21	0.18	0.61	1.89			
O3-4B	#####	1115	0.11	0.13	0.23	2.40			
O3-4B	30-Jul-96	1035	0.10	0.35	0.29	4.07			
O3-4B	1-Oct-96	914	0.07	0.06	0.69	3.59			
O3-4B	6-Jan-97	916	0.08	0.12	0.18	2.13			
O3-4B	21-Apr-97	858	0.09	0.68	0.20	5.07			
O3-4B	#####	854	0.09	0.07	0.25	2.04			
O3-4B	6-Oct-97	911	0.12	0.05	0.34	7.60			
O3-4B	3-Mar-98	912	0.08	0.10	0.23	1.82			
O3-4B	4-May-98	1219	0.10	0.18	0.16	3.34			
O3-4B	6-Jul-98	928	0.10	0.32	0.04	5.01			
O3-4B	5-Oct-98	905	0.07	0.04	0.04	1.52			
O3-4B	13-Jan-99	907	0.08	0.54	0.20	2.75			
O3-4B	13-Apr-99	902	0.16	0.16	0.08	2.63			
O3-4B	13-Jul-99	932	0.12	0.34	0.05	3.21			
O3-4B	25-Oct-99	918	0.13	0.18	0.31	2.65			
O3-4B	4-Jan-00	927	0.09	0.24	0.34	2.80			
O3-4B	#####	958	0.13	0.31	0.10	8.14			
O3-4B	24-Jul-00	933	0.11	0.26	0.01	4.21			
O3-4B	30-Oct-00	943	0.13	0.11	0.42	3.07			
O3-4B	#####	947	0.14	0.04	0.17	4.04			
O3-4B	8-May-01	913	0.13	0.49	0.21	3.86			
O3-4B	#####	935	0.10	0.07	0.31	2.71			
O3-4B	10-Oct-01	918	0.13	0.11	0.04	4.38			
O3-4B	4-Mar-02	1051	0.14	0.30	0.01	4.44			
O3-4B	16-Apr-02	1102	0.13	0.28	0.45	3.55			
O3-4B	9-Jul-02	953	0.12	0.41	0.14	3.71			
O3-4B	7-Oct-02	1046	0.08	0.17	0.27	2.89			
O3-4B	#####	1010	0.08	<0.03	0.03	1.71			
O3-4B	22-Apr-03	955	0.08	0.26	0.05	2.20			
O3-4B	#####	1040	0.05	0.04	0.20	1.40			
O3-4B	30-Oct-03	815	0.09	0.02	0.20	1.90			
O3-4B	#####	937	0.12	0.02	0.21	1.27			
O3-4B	#####	1119	0.12	<0.01	0.15	1.27			
O3-4B	#####	1034	0.08	<0.01	0.33	1.97			
O3-4B	#####	1008	0.07	<0.01	0.14	1.40			
O3-4B	13-Jan-05	1130	0.06	0.31	0.14	2.62			
O3-4B	11-Apr-05	1138	0.12	0.20	0.23	2.93			
O3-4B	20-Jul-05	1008	0.07	0.18	0.20	3.14			

O3-4B	11-Oct-05	1017	0.05	<0.01	0.16	1.37
O3-4B	#####	842	0.09	<0.07	0.26	1.60
O3-4B	#####	1046	0.11	<0.07	<0.05	2.11
O3-4B	#####	1048	0.13	0.25	0.20	2.95
O3-4B	1-Nov-06	1053	0.09	0.12	0.37	2.03
O3-4B	#####	1114	0.11	<0.07	0.36	1.17
O3-4B	9-Apr-07	1047	0.10	<0.07	0.26	1.61

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	34.509	26.8						
	0.07	34.795	25.6						
	0.07	34.239	25.1						
	0.09	34.545	25.6						
	0.07	34.625	27.6						
	0.07	34.599	25.9						
	0.09	34.225	25.0						
	0.06	34.480	26.2						
	0.13	34.460	27.3						
	0.07	34.394	26.7						
	0.06	34.257	25.5						
	0.08	34.303	27.1						
	0.11	34.447	28.3						
	0.08	34.690	27.9						
	0.09	34.721	25.5						
	0.12	34.551	26.4						
	0.11	34.660	26.9						
	0.08	34.713	27.4						
	0.07	35.049	24.7						
	0.08	35.064	24.0						
	0.15	34.961	26.2						
	0.09	35.113	27.2						
	0.07	35.085	25.0						
	0.08	34.664	24.2						
	0.10	34.930	26.0						
	0.10	34.978	26.1						
	0.08	35.126	24.7						
	0.14	34.673	25.3						
	0.12	34.875	27.3						
	0.07	34.992	27.0						
	0.08	34.742	24.8						
	0.09	34.782	24.9						
	0.09	34.884	26.6						
	0.16	34.932	27.4						
	0.10	34.679	24.2						
	0.07	34.494	25.6						
	0.08	34.649	26.6						
	0.08	34.928	27.1						
	0.15	34.850	24.9						
	0.10	35.016	25.1						
	0.07	34.844	28.1						
	0.07	34.821	27.4						
	NO DATA	34.408	25.5						
	NO DATA	33.44	26.8						
	0.07	33.71	28.1						
	0.08	33.68	27.0						
	0.08	34.849	25.5						
	0.13	34.451	25.4						
	0.12	34.675	27.1						

0.09	34.867	27.5
0.10	34.852	24.4
0.10	34.726	24.5
0.19	34.619	26.7
0.17	34.798	27.9
0.21	34.455	24.5
0.12	34.666	25.2

SITE ID	DATE D-M-Y	TIME (2400)	PO4 (μM)	NO3 (μM)	NH4 (μM)	Si (μM)	TDP (μM)	TP (μM)	TDN (μM)
O3-5B	3-Aug-93	1018	0.09	0.17	0.39	2.93			
O3-5B	8-Dec-93	1036	0.11	0.10	0.14	2.58			
O3-5B	8-Mar-94	958	0.18	0.10	0.21	2.14			
O3-5B	13-Jun-94	953	0.12	0.11	0.06	5.46			
O3-5B	8-Sep-94	839	0.07	0.06	0.15	1.98			
O3-5B	15-Nov-94	921	0.14	0.35	0.45	3.30			
O3-5B	21-Mar-95	803	0.22	0.16	0.12	3.82			
O3-5B	21-Jun-95	937	0.08	0.00	0.30	1.50			
O3-5B	25-Sep-95	1248	0.11	0.25	0.21	5.12			
O3-5B	13-Nov-95	848	0.15	0.13	0.52	4.14			
O3-5B	11-Mar-96	1205	0.11	0.19	0.44	2.17			
O3-5B	13-May-96	1109	0.11	0.13	0.37	2.18			
O3-5B	30-Jul-96	1031	0.10	0.33	0.23	4.02			
O3-5B	1-Oct-96	908	0.08	0.07	0.70	2.53			
O3-5B	6-Jan-97	908	0.08	0.03	0.18	1.81			
O3-5B	21-Apr-97	852	0.10	0.52	0.27	1.89			
O3-5B	18-Aug-97	848	0.08	0.04	0.22	14.3			
O3-5B	6-Oct-97	903	0.11	0.06	0.37	2.74			
O3-5B	3-Mar-98	907	0.08	0.06	0.19	3.08			
O3-5B	4-May-98	910	0.13	0.71	0.26	4.72			
O3-5B	6-Jul-98	920	0.08	0.19	0.02	4.12			
O3-5B	5-Oct-98	858	0.07	0.09	0.09	1.61			
O3-5B	13-Jan-99	902	0.07	0.19	0.22	3.00			
O3-5B	13-Apr-99	856	0.15	0.16	0.18	2.61			
O3-5B	13-Jul-99	924	0.12	0.30	0.04	2.87			
O3-5B	25-Oct-99	915	0.12	0.20	0.34	15.7			
O3-5B	4-Jan-00	921	0.08	0.22	0.36	2.74			
O3-5B	16-May-00	954	0.14	0.35	0.09	4.20			
O3-5B	24-Jul-00	927	0.10	0.33	0.01	3.33			
O3-5B	30-Oct-00	936	0.12	0.04	0.37	2.79			
O3-5B	26-Feb-01	942	0.13	0.03	0.16	3.49			
O3-5B	8-May-01	907	0.14	0.39	0.28	15.1			
O3-5B	13-Aug-01	930	0.09	0.02	0.31	2.68			
O3-5B	10-Oct-01	911	0.12	0.13	0.04	3.02			
O3-5B	4-Mar-02	1046	0.14	0.20	0.01	4.06			
O3-5B	16-Apr-02	1059	0.12	0.10	0.22	3.13			
O3-5B	9-Jul-02	948	0.13	0.88	0.22	4.69			
O3-5B	7-Oct-02	1040	0.08	0.51	0.24	10.7			
O3-5B	10-Mar-03	1000	0.06	<0.03	<0.03	1.46			
O3-5B	22-Apr-03	949	0.09	0.18	0.05	2.11			
O3-5B	19-Aug-03	1028	0.07	0.05	0.20	1.45			
O3-5B	30-Oct-03	810	0.09	0.02	0.20	2.61			
O3-5B	17-Mar-04	932	0.13	0.04	0.28	11.0			
O3-5B	20-May-04	1124	0.12	<0.01	0.18	1.67			
O3-5B	20-Sep-04	1027	0.08	<0.01	0.35	1.69			
O3-5B	17-Nov-04	1004	0.07	0.01	0.18	1.86			
O3-5B	13-Jan-05	1123	0.04	0.15	0.10	2.13			
O3-5B	11-Apr-05	1131	0.13	0.13	0.18	3.03			
O3-5B	20-Jul-05	1121	0.07	0.15	0.17	2.87			

O3-5B	11-Oct-05	1012	0.05	<0.01	0.18	1.39
O3-5B	14-Mar-06	835	0.08	0.03	0.26	1.75
O3-5B	15-May-06	1040	0.51	<0.07	<0.05	2.49
O3-5B	14-Aug-06	1041	0.13	0.44	0.21	4.34
O3-5B	1-Nov-06	1045	0.08	0.16	0.44	2.00
O3-5B	12-Feb-07	1107	0.12	<0.07	0.39	1.21
O3-5B	9-Apr-07	1040	0.11	<0.07	0.41	1.63

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
	0.10	34.519	26.8						
	0.06	34.793	25.7						
	0.08	34.240	25.1						
	0.10	34.558	25.6						
	0.07	34.621	27.6						
	0.07	34.607	25.9						
	0.12	34.228	24.9						
	0.07	34.479	26.2						
	0.16	34.478	27.3						
	0.07	34.393	26.7						
	0.07	34.278	25.5						
	0.07	34.306	27.1						
	0.15	34.422	28.3						
	0.09	34.694	27.7						
	0.10	34.743	25.6						
	0.11	34.555	26.3						
	0.15	34.664	26.9						
	0.11	34.714	27.3						
	0.08	35.058	24.6						
	0.09	35.013	24.0						
	0.10	34.995	26.1						
	0.11	35.110	27.0						
	0.09	35.101	25.0						
	0.07	34.677	24.2						
	0.08	34.949	26.1						
	0.09	34.968	26.1						
	0.10	35.140	24.7						
	0.09	34.687	25.2						
	0.19	34.875	27.2						
	0.15	34.982	27.0						
	0.18	34.746	24.8						
	0.14	34.779	24.9						
	0.08	34.884	26.6						
	0.13	34.934	27.4						
	0.11	34.686	24.2						
	0.11	34.532	25.5						
	0.11	34.620	26.6						
	0.14	34.938	27.1						
	0.10	34.894	24.8						
	0.08	35.017	25.0						
	0.07	34.841	28.1						
	0.06	34.983	27.4						
	NO DATA	34.392	25.5						
	NO DATA	33.36	26.9						
	0.07	33.72	28.0						
	0.10	33.65	27.0						
	0.07	34.853	25.5						
	0.09	34.468	25.3						
	0.13	34.675	27.1						

0.12	34.923	27.4
0.12	34.862	24.4
0.14	34.761	24.8
0.14	34.633	26.8
0.13	34.807	27.0
0.22	34.413	24.5
0.17	34.658	25.3

NELHA Water Quality Laboratory

Transect 3

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)	(PSU)	(°C)	(unit)	(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					0.30
T3-1m	8/13/19	1056	0.7	Flood	0.05	1.6	0.16	2.3	0.22	3.1	2.1	58	0.29	9.0	2.0	28	0.11	35.58	28.3	8.21	7.00	0.13
T3-1m	11/19/19	1025	1.9	High	0.12	3.7	0.24	3.4	0.09	1.2	0.4	12	0.43	13.4	3.0	43	0.09	34.80	27.6	8.24	6.83	0.36
T3-1m	1/22/20	1046	0.6	Flood	0.13	3.9	0.02	0.3	0.09	1.3	0.8	22	0.40	12.4	3.0	41	0.04	34.94	25.1	8.22	6.88	0.12
T3-1m	6/24/20	1114	-0.1	Low	0.10	3.2	0.16	2.3	0.06	0.8	2.2	62	0.29	8.9	2.6	36	0.07	35.46	26.0	8.19	7.05	0.29
Geomear FY '20					0.09	2.9	0.11	1.5	0.1	1.4			0.3	10.7	2.6	37	0.07					0.20
T3-10m	8/13/19	1103	0.7	Flood	0.06	1.9	0.16	2.3	0.25	3.5	2.1	59	0.29	9	2.4	34	0.12	35.62	28.3	8.22	6.95	0.14
T3-10m	11/19/19	1029	1.9	High	0.12	3.8	0.21	2.9	0.20	2.8	1.5	42	0.43	13.4	3.2	45	0.09	34.77	27.6	8.24	6.84	0.34
T3-10m	1/22/20	1051	0.6	Flood	0.13	3.9	0.01	0.1	0.09	1.3	0.8	23	0.40	12.4	2.9	40	0.07	34.91	25.1	8.22	6.91	0.16
T3-10m	6/24/20	1119	-0.1	Low	0.11	3.3	0.16	2.3	0.13	1.8	2.1	58	0.31	9.6	2.4	34	0.06	35.46	26.0	8.18	6.97	0.32
Geomear FY '20					0.10	3.1	0.08	1.1	0.15	2.2			0.35	10.9	2.7	38	0.08					0.22
T3-50m	8/13/19	1111	0.7	Flood	0.05	1.6	0.16	2.3	0.22	3.1	2.6	74	0.30	9.2	2.4	34	0.09	35.63	28.3	8.19	6.74	0.18
T3-50m	11/19/19	1033	1.9	High	0.12	3.7	0.26	3.6	0.04	0.5	0.7	18	0.42	12.9	3.0	42	0.08	34.78	27.6	8.25	6.61	0.16
T3-50m	1/22/20	1058	0.6	Flood	0.11	3.4	0.01	0.1	0.09	1.3	0.7	21	0.40	12.4	2.4	34	0.04	34.94	25.1	8.22	6.69	0.17
T3-50m	6/24/20	1123	-0.1	Low	0.09	2.9	0.16	2.3	0.09	1.3	2.1	59	0.32	9.8	2.6	36	0.07	35.49	26.0	8.18	6.83	0.28
Geomear FY '20					0.09	2.8	0.08	1.2	0.09	1.2			0.35	11.0	2.6	36	0.07					0.19
T3-100m	8/13/19	1118	0.7	Flood	0.07	2.2	0.21	2.9	0.24	3.4	7.3	205	0.32	10.0	2.8	39	0.09	35.56	28.4	8.20	6.44	0.18
T3-100m	11/19/19	1038	1.9	High	0.11	3.3	0.06	0.8	0.09	1.3	0.2	5	0.41	12.8	2.5	35	0.08	34.78	27.7	8.24	6.58	0.21
T3-100m	1/22/20	1104	0.6	Flood	0.13	4.1	0.16	2.3	0.09	1.3	-0.4	-11	0.40	12.3	2.7	39	0.06	34.94	25.1	8.22	6.66	0.12
T3-100m	6/24/20	1129	-0.1	Flood	0.08	2.5	0.16	2.3	0.09	1.3	1.0	29	0.28	8.8	2.0	28	0.06	35.43	26.2	8.19	6.93	0.24
Geomear FY '20					0.09	2.9	0.13	1.9	0.11	1.6			0.35	10.8	2.5	35	0.07					0.18
T3-500m	8/13/19	1128	0.7	Flood	0.03	1.0	0.16	2.3	0.39	5.5	1.5	41	0.28	8.6	1.81	25	0.08	35.66	28.4	8.20	6.48	0.18
T3-500m	11/19/19	1045	1.9	High	0.10	3.1	0.04	0.6	0.09	1.3	0.1	3	0.36	11.2	1.65	23	0.06	34.80	27.7	8.24	6.45	0.13
T3-500m	1/22/20	1113	0.6	Flood	0.12	3.6	0.16	2.3	0.09	1.3	0.7	19	0.37	11.6	1.93	27	0.04	34.95	25.1	8.22	6.65	0.10
T3-500m	6/24/20	1138	-0.1	Low	0.14	4.3	0.16	2.3	0.09	1.3	2.0	57	0.22	6.8	1.85	26	0.05	35.43	26.7	8.18	6.64	0.39
Geomear FY '20					0.08	2.6	0.12	1.6	0.13	1.8			0.30	9.3	1.8	25	0.06					0.17

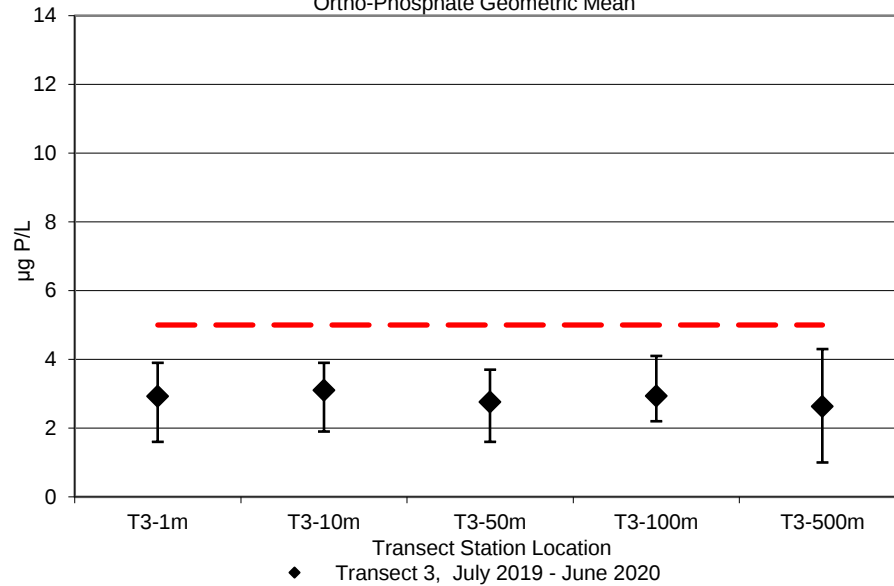
NELHA Water Quality Laboratory

Transect 3

July 2018 - June 2019

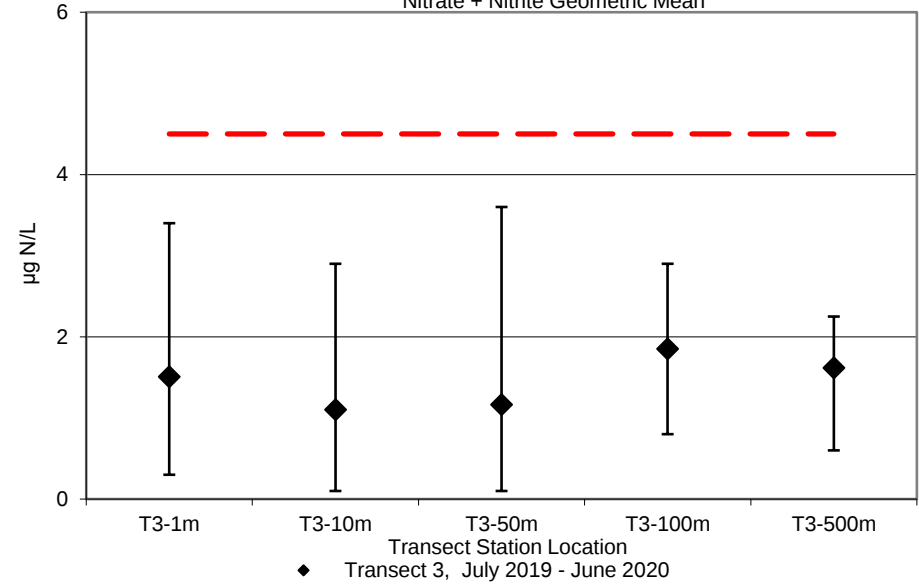
Transect 3 Station Summary

Ortho-Phosphate Geometric Mean



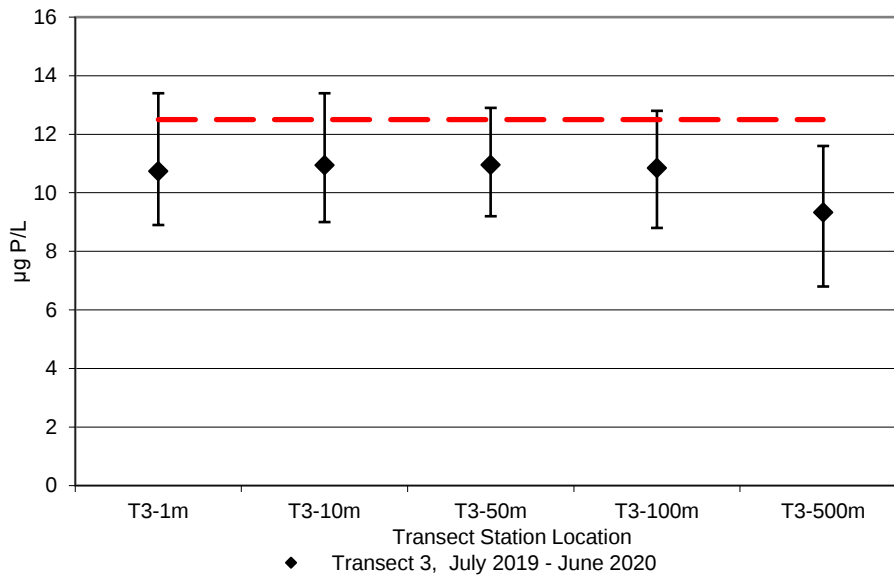
Transect 3 Station Summary

Nitrate + Nitrite Geometric Mean



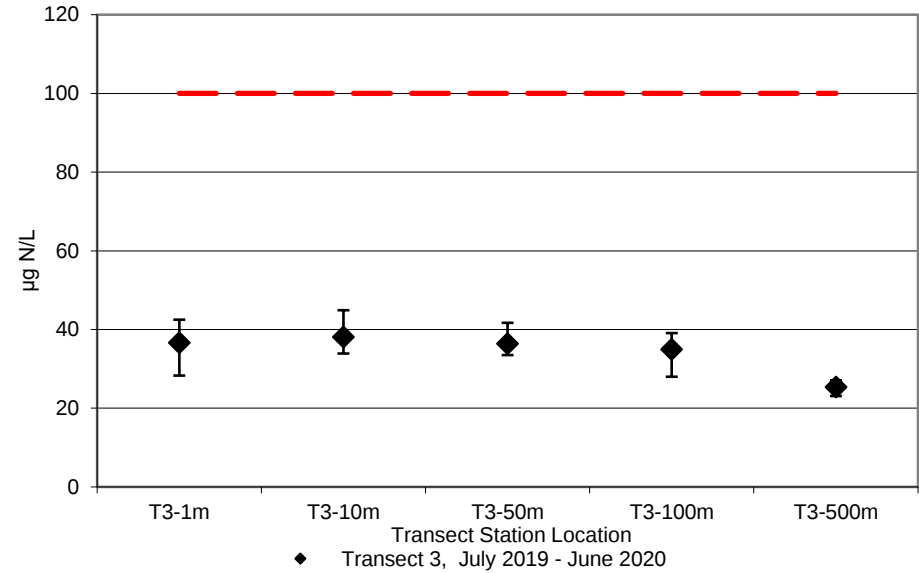
Transect 3 Station Summary

Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary

Total Dissolved Nitrogen Geometric Mean



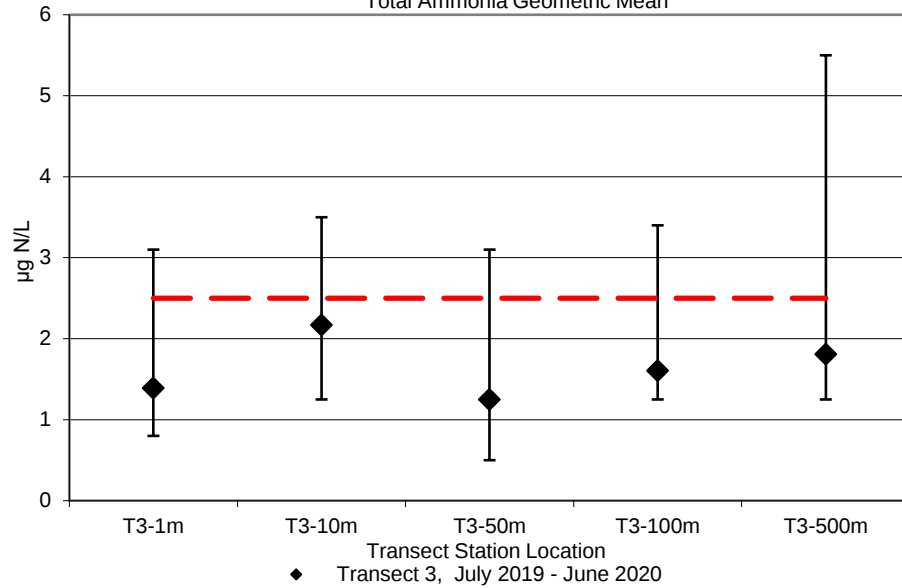
NELHA Water Quality Laboratory

Transect 3

July 2018 - June 2019

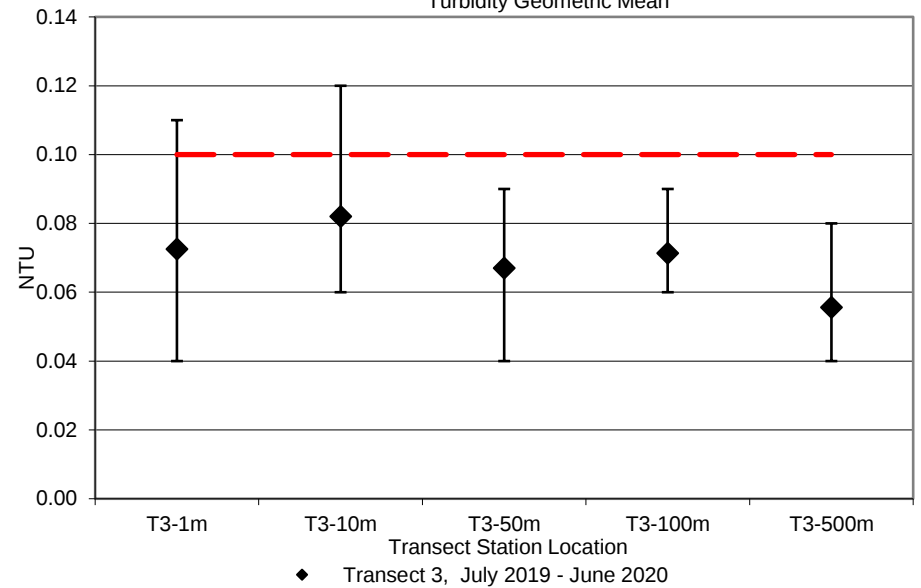
Transect 3 Station Summary

Total Ammonia Geometric Mean



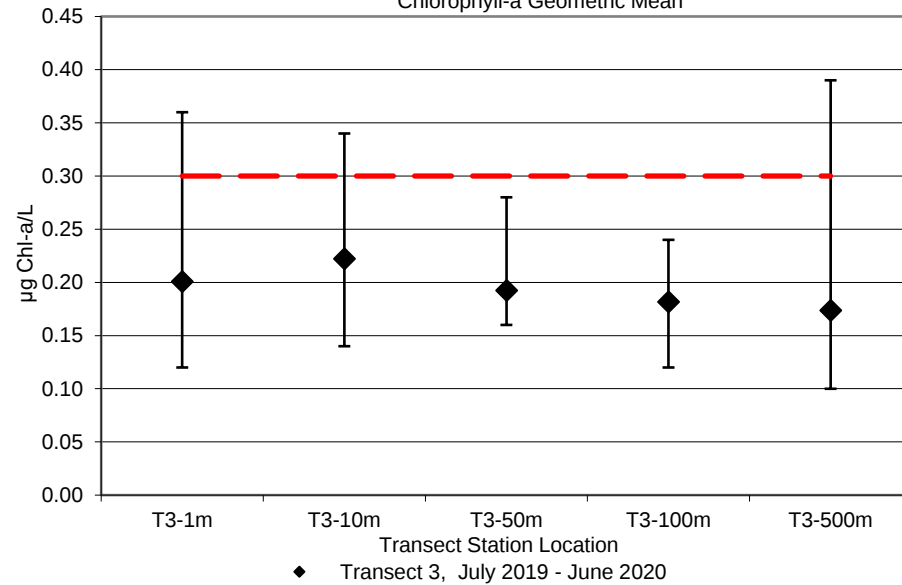
Transect 3 Station Summary

Turbidity Geometric Mean



Transect 3 Station Summary

Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

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)	(PSU)	(°C)	(unit)	(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					0.30
T3-1m	9/24/18	1058	0.5	Flood	0.07	2.3	0.16	2.3	0.21	3.0	0.6	17	0.33	10.3	2.7	38	0.09	34.77	27.7	8.16	5.30	0.14
T3-1m	#####	1126	1.3	Ebb	0.05	1.4	0.42	5.9	0.39	5.5	0.6	17	0.40	12.4	3.7	52	0.11	35.00	27.4	8.23	4.71	0.12
T3-1m	1/22/19	1111	0.2	Low	0.11	3.4	0.25	3.5	0.06	0.9	1.0	29	0.41	12.7	2.5	34	0.07	35.02	25.1	8.22	5.84	0.22
T3-1m	4/16/19	1115	0.8	Flood	0.15	4.5	0.26	3.6	0.10	1.4	2.0	55	0.40	12.5	2.7	38	0.07	35.59	25.9	8.17	7.59	0.17
Geomear FY '19					0.09	2.6	0.26	3.6	0.2	2.1			0.4	11.9	2.9	40	0.08					0.14
T3-10m	9/24/18	1107	0.5	Flood	0.06	2.0	0.16	2.3	0.27	3.8	0.5	13	0.33	10.3	2.7	38	0.09	34.79	27.7	8.16	5.24	0.14
T3-10m	#####	1130	1.3	Ebb	0.05	1.4	0.34	4.7	0.35	4.9	0.3	9	0.37	11.4	3.5	49	0.07	35.00	27.4	8.23	4.73	0.12
T3-10m	1/22/19	1114	0.2	Low	0.10	3.1	0.11	1.6	0.06	0.9	0.6	16	0.37	11.6	2.3	33	0.06	35.03	25.2	8.22	5.70	0.17
T3-10m	4/16/19	1121	0.8	Flood	0.14	4.2	0.21	3.0	0.06	0.8	1.9	55	0.38	11.9	3.0	42	0.05	35.60	25.9	8.17	7.49	0.17
Geomear FY '19					0.08	2.5	0.19	2.7	0.14	1.9			0.36	11.3	2.9	40	0.07					0.15
T3-50m	9/24/18	1115	0.5	Flood	0.04	1.3	0.18	2.5	0.32	4.5	0.1	3	0.48	14.9	1.9	27	0.07	34.81	27.9	8.16	5.07	0.13
T3-50m	#####	1135	1.3	Ebb	0.05	1.4	0.30	4.2	0.24	3.3	0.2	4	0.32	9.9	3.2	45	0.07	34.99	27.6	8.24	4.71	0.10
T3-50m	1/22/19	1119	0.2	Low	0.10	3.0	0.06	0.8	0.09	1.3	0.1	2	0.38	11.9	2.5	35	0.05	35.02	25.2	8.22	5.70	0.14
T3-50m	4/16/19	1127	0.8	Flood	0.14	4.3	0.36	5.1	0.09	1.2	3.3	93	0.38	11.7	3.0	43	0.06	35.54	26.0	8.16	7.33	0.17
Geomear FY '19					0.07	2.2	0.18	2.6	0.16	2.2			0.39	12.0	2.6	36	0.06					0.13
T3-100m	9/24/18	1119	0.5	Flood	0.01	0.2	0.16	2.3	0.24	3.3	0.0	1	0.33	10.1	2.0	27	0.09	34.82	28.2	8.16	5.33	0.21
T3-100m	#####	1139	1.3	Ebb	0.03	0.8	0.14	1.9	0.19	2.7	0.0	1	0.32	9.8	2.8	39	0.08	34.99	27.6	8.24	4.73	0.09
T3-100m	1/22/19	1124	0.2	Low	0.08	2.6	0.04	0.5	0.21	2.9	0.1	3	0.36	11.3	2.3	33	0.06	35.02	25.2	8.21	5.64	0.14
T3-100m	4/16/19	1133	0.8	Flood	0.15	4.5	0.53	7.4	0.11	1.5	4.8	134	0.40	12.4	2.8	40	0.07	35.52	26.0	8.16	7.21	0.21
Geomear FY '19					0.04	1.2	0.14	2.0	0.18	2.5			0.35	10.9	2.4	34	0.07					0.15
T3-500m	9/24/18	1128	0.5	Flood	0.04	1.2	0.16	2.3	0.19	2.7	0.0	1	0.34	10.4	2.73	38	0.07	34.82	27.8	8.16	5.10	0.15
T3-500m	#####	1147	1.3	Ebb	0.04	1.2	0.09	1.3	0.12	1.7	0.0	1	0.33	10.3	4.53	64	0.06	35.01	27.7	8.24	4.55	0.06
T3-500m	1/22/19	1133	0.2	Low	0.09	2.7	0.07	1.0	0.06	0.8	0.1	3	0.36	11.1	2.14	30	0.06	34.99	25.1	8.22	5.65	0.08
T3-500m	4/16/19	1141	0.8	Flood	0.10	3.2	0.03	0.4	0.14	2.0	1.7	49	0.36	11.3	2.01	28	0.03	35.59	26.1	8.17	7.08	0.15
Geomear FY '19					0.06	1.9	0.07	1.0	0.12	1.6			0.35	10.8	2.7	38	0.05					0.10

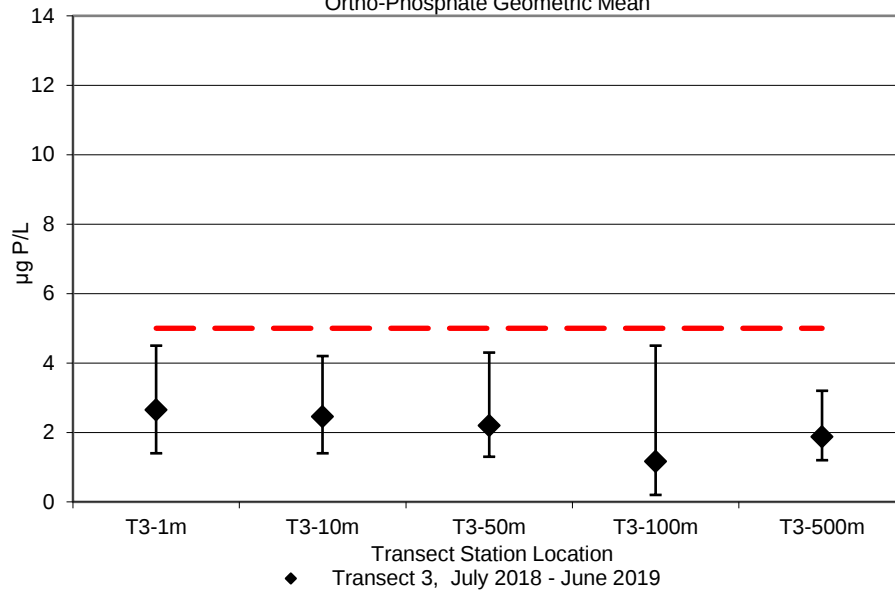
NELHA Water Quality Laboratory

Transect 3

July 2018 - June 2019

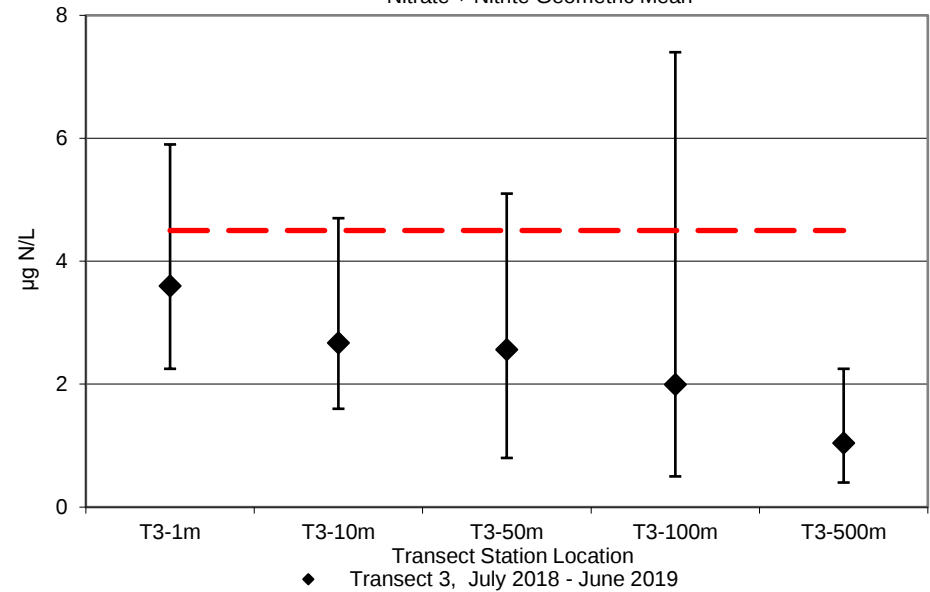
Transect 3 Station Summary

Ortho-Phosphate Geometric Mean



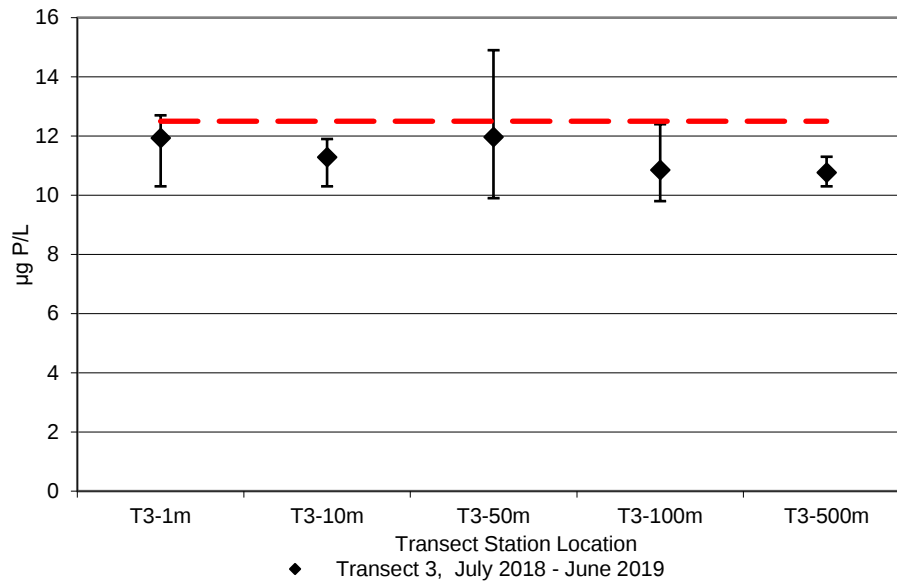
Transect 3 Station Summary

Nitrate + Nitrite Geometric Mean



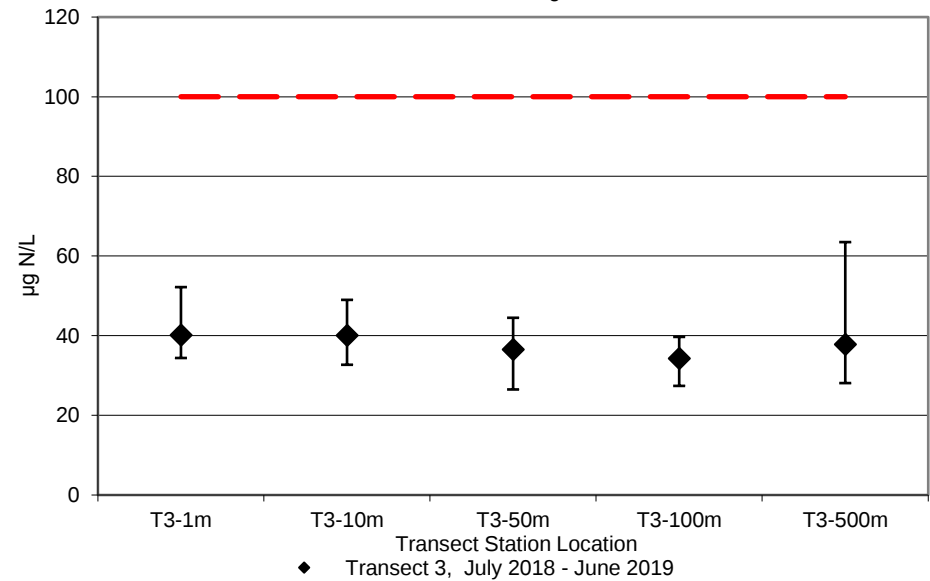
Transect 3 Station Summary

Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary

Total Dissolved Nitrogen Geometric Mean



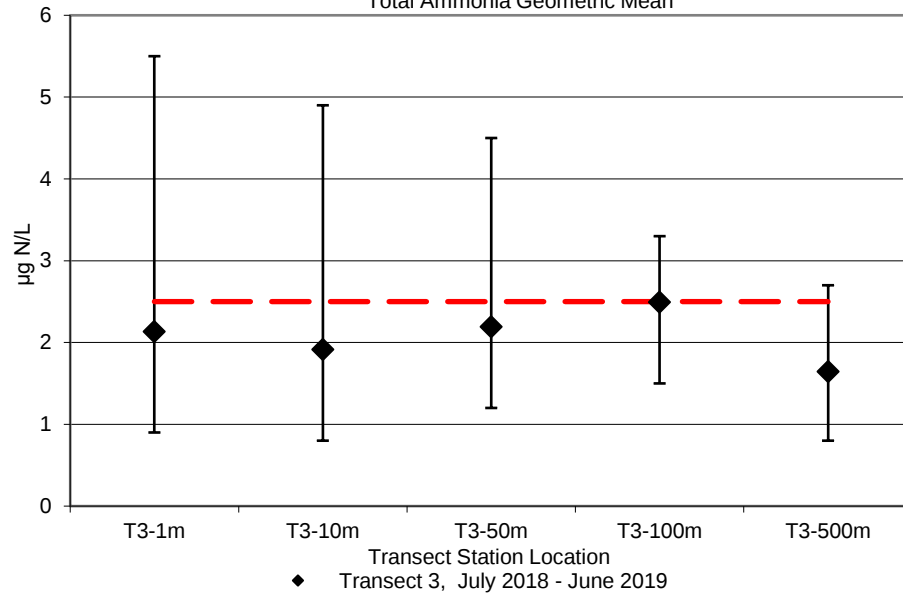
NELHA Water Quality Laboratory

Transect 3

July 2018 - June 2019

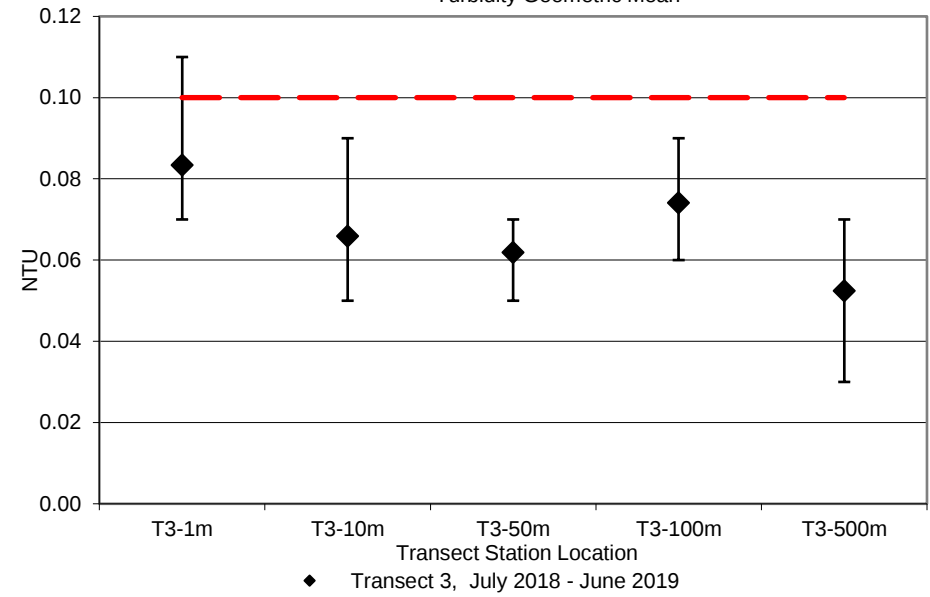
Transect 3 Station Summary

Total Ammonia Geometric Mean



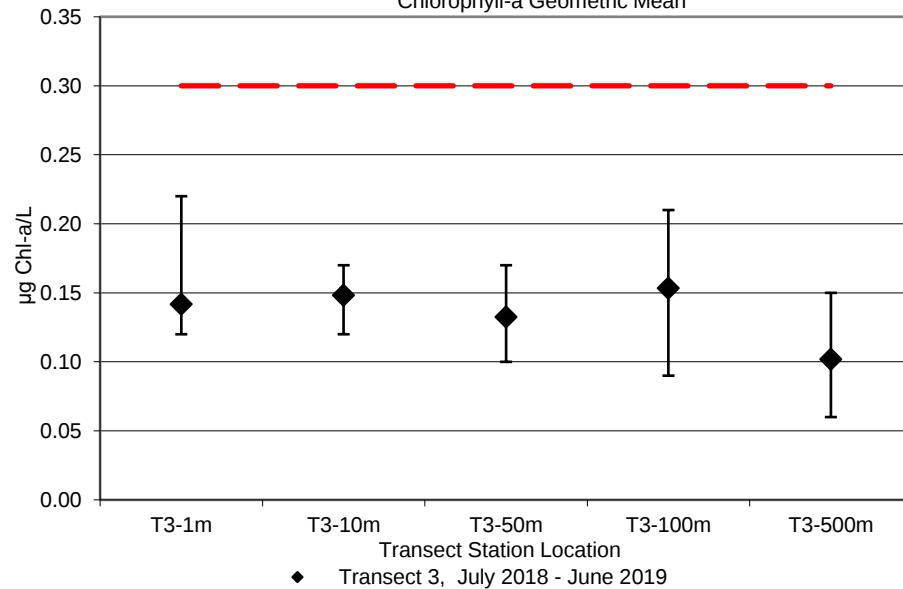
Transect 3 Station Summary

Turbidity Geometric Mean



Transect 3 Station Summary

Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2017 - June 2018

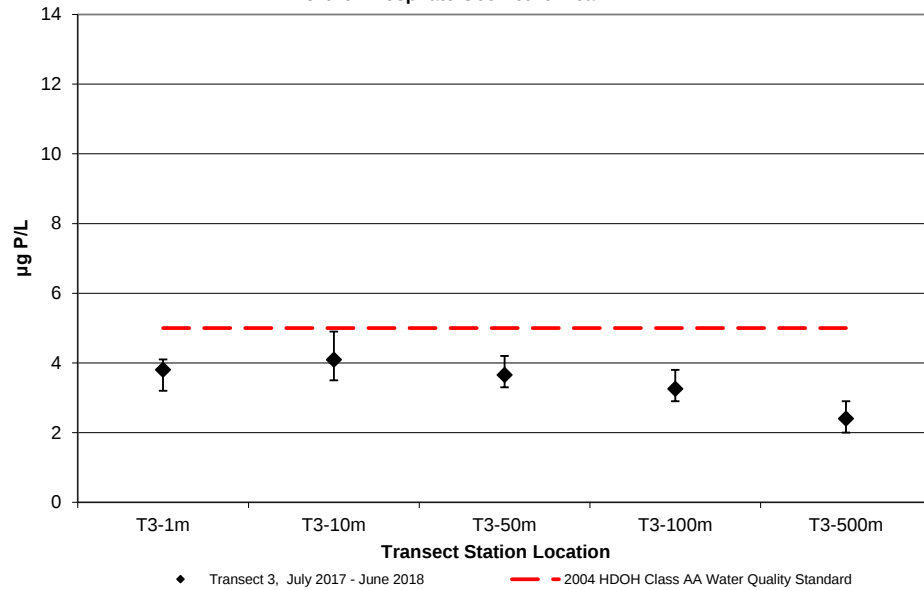
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	9/27/17	1203	1.5 High	0.13	4.1	0.34	4.7	0.20	2.8	1.2	35	0.43	13.2	2.8	40	0.11	34.80	27.9	8.20	4.39	0.18
T3-1m	11/28/17	1146	1.7 High	0.13	4.0	0.53	7.4	0.48	6.7	2.1	60	0.38	11.8	4.1	58	0.10	35.05	26.2	8.21	4.94	0.20
T3-1m	1/30/18	1130	0.5 Flood	0.13	4.0	0.59	8.2	0.21	2.9	3.4	95	0.38	11.8	4.0	56	0.08	34.81	24.6	8.18	5.46	0.19
T3-1m	5/16/18	1124	-0.2 Flood	0.10	3.2	0.34	4.7	0.21	3.0	2.9	83	0.36	11.0	2.5	35	0.03	34.73	25.7	8.19	6.32	0.13
Geomean	FY '18			0.12	3.8	0.43	6.1	0.3	3.6			0.4	11.9	3.3	46	0.07					0.17
T3-10m	9/27/17	1157	1.5 High	0.13	4.1	0.28	3.9	0.23	3.2	1.1	30	0.42	12.9	3.7	51	0.08	34.80	28.0	8.21	4.27	0.20
T3-10m	11/28/17	1151	1.7 High	0.13	4.0	0.44	6.2	0.54	7.5	1.9	52	0.40	12.3	3.3	46	0.08	35.05	26.2	8.21	4.94	0.15
T3-10m	1/30/18	1135	0.5 Flood	0.16	4.9	0.59	8.3	0.24	3.4	3.4	95	0.38	11.8	3.8	53	0.09	34.80	24.6	8.18	5.38	0.09
T3-10m	5/16/18	1129	-0.2 Flood	0.11	3.5	0.32	4.5	0.18	2.5	2.8	78	0.36	11.2	2.3	32	0.07	34.73	25.7	8.19	6.31	0.13
Geomean	FY '18			0.13	4.1	0.39	5.5	0.27	3.8			0.39	12.0	3.2	45	0.08					0.14
T3-50m	9/27/17	1150	1.5 High	0.14	4.2	0.23	3.2	0.19	2.7	0.9	26	0.41	12.7	3.1	44	0.11	34.79	27.9	8.20	4.22	0.16
T3-50m	11/28/17	1158	1.7 High	0.11	3.3	0.31	4.3	0.58	8.1	1.8	51	0.38	11.9	5.0	70	0.10	35.06	26.3	8.21	4.75	0.14
T3-50m	1/30/18	1145	0.5 Flood	0.12	3.8	0.35	4.9	0.39	5.4	3.1	86	0.40	12.5	4.1	57	0.07	34.82	24.6	8.17	5.36	0.10
T3-50m	5/16/18	1134	-0.2 Flood	0.11	3.4	0.16	2.2	0.23	3.2	2.6	73	0.36	11.2	2.9	40	0.04	34.69	25.9	8.18	6.28	0.12
Geomean	FY '18			0.12	3.7	0.25	3.5	0.31	4.4			0.39	12.1	3.7	52	0.07					0.13
T3-100m	9/27/17	1142	1.5 High	0.12	3.8	0.19	2.7	0.10	1.4	0.7	20	0.40	12.5	3.1	44	0.09	34.79	27.9	8.21	4.22	0.11
T3-100m	11/28/17	1204	1.7 High	0.10	3.1	0.27	3.8	0.44	6.2	1.6	44	0.38	11.7	5.2	73	0.06	35.07	26.3	8.20	4.71	0.13
T3-100m	1/30/18	1152	0.5 Flood	0.09	2.9	0.13	1.8	0.12	1.7	1.2	34	0.35	10.8	2.8	40	0.07	34.87	24.6	8.17	5.20	0.18
T3-100m	5/16/18	1139	-0.2 Flood	0.11	3.3	0.11	1.6	0.20	2.8	2.2	61	0.35	10.7	1.8	26	0.04	34.70	25.9	8.17	6.17	0.11
Geomean	FY '18			0.11	3.3	0.17	2.3	0.18	2.5			0.37	11.4	3.0	43	0.06					0.13
T3-500m	9/27/17	1047	1.5 High	0.09	2.9	0.09	1.2	0.09	1.3	0.2	7	0.40	12.4	3.13	44	0.07	34.81	28.2	8.23	4.25	0.09
T3-500m	11/28/17	1211	1.7 High	0.08	2.4	0.11	1.5	0.39	5.5	0.9	25	0.34	10.5	2.86	40	0.05	35.11	26.6	8.21	4.73	0.08
T3-500m	1/30/18	1202	0.5 Flood	0.08	2.4	0.13	1.8	0.14	2.0	1.4	39	0.36	11.2	2.83	40	0.07	34.87	24.6	8.17	5.23	0.08
T3-500m	5/16/18	1146	-0.2 Flood	0.06	2.0	0.16	2.3	0.09	1.3	1.0	29	0.35	10.9	2.96	41	0.03	34.66	26.4	8.17	5.95	0.07
Geomean	FY '18			0.08	2.4	0.12	1.7	0.15	2.1			0.36	11.2	2.9	41	0.05					0.08

NELHA Water Quality Laboratory

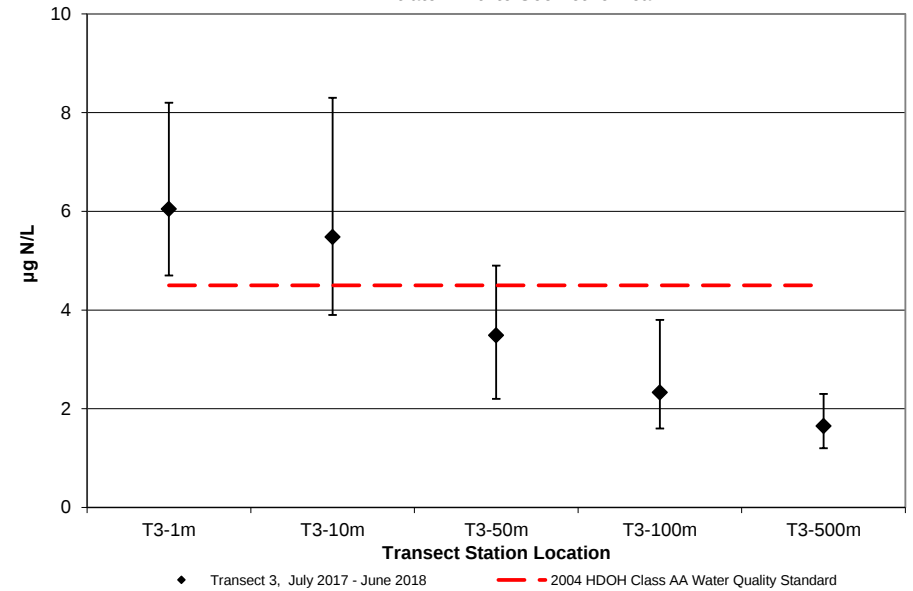
Transect 3

July 2017 - June 2018

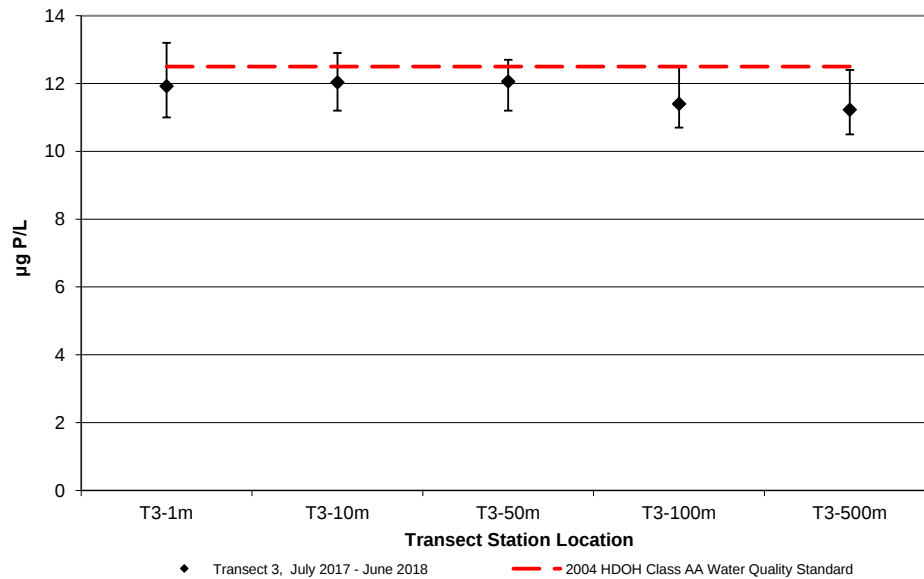
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean



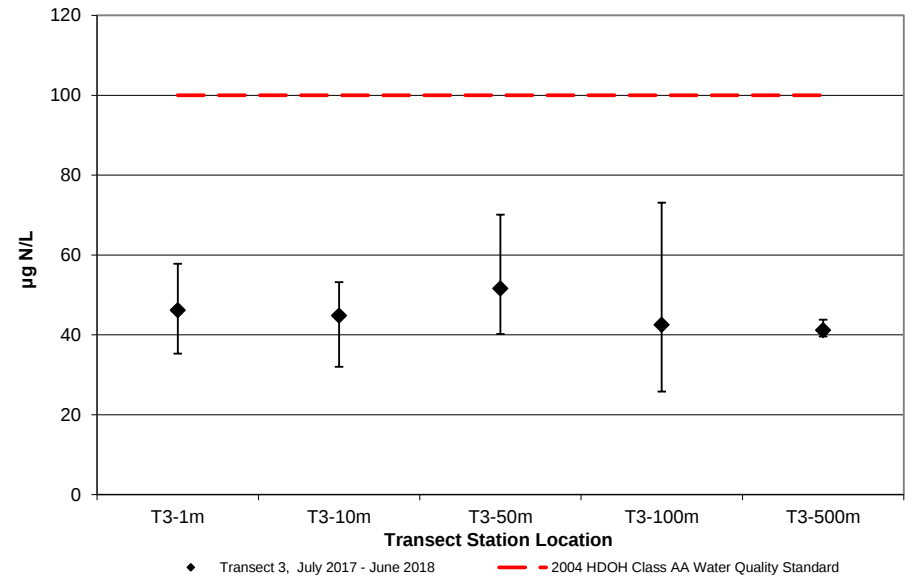
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean

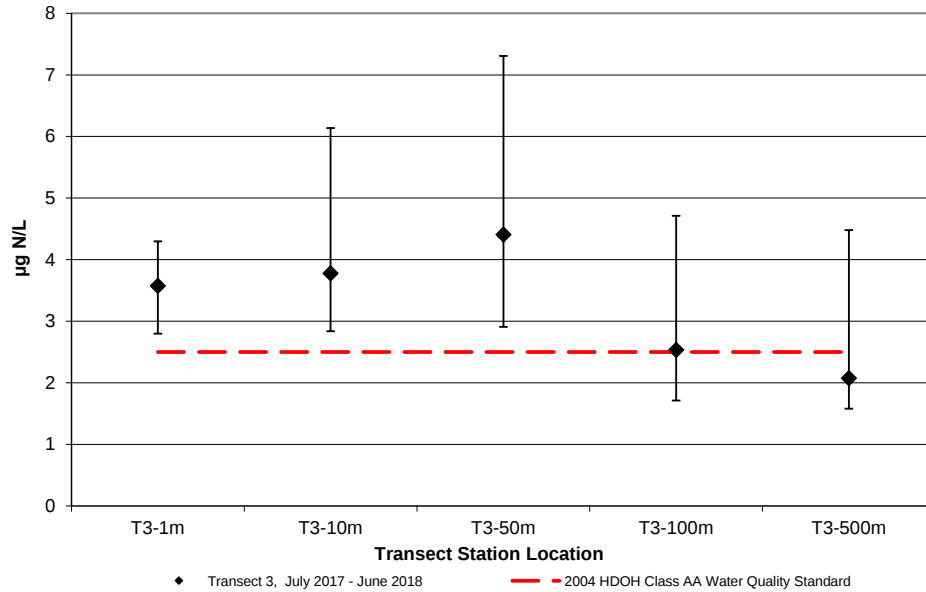


NELHA Water Quality Laboratory

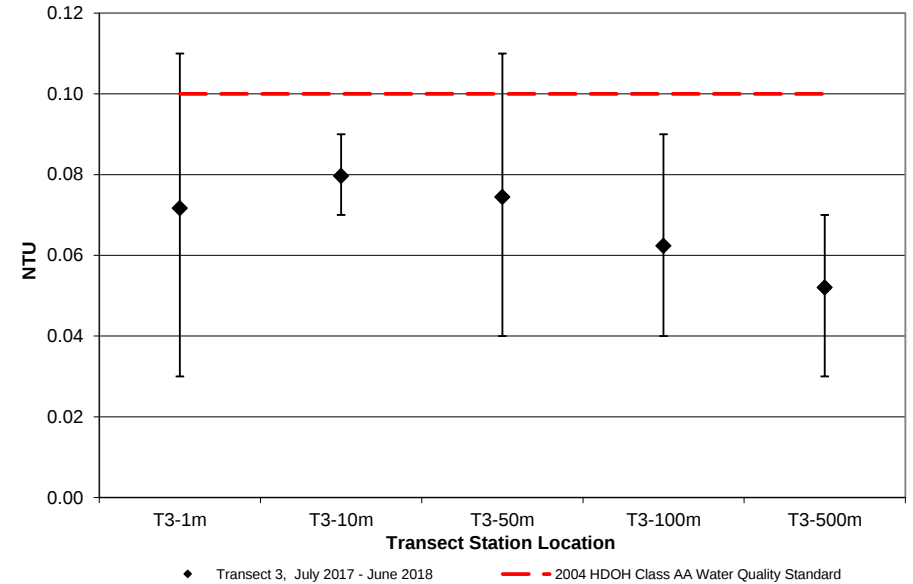
Transect 3

July 2017 - June 2018

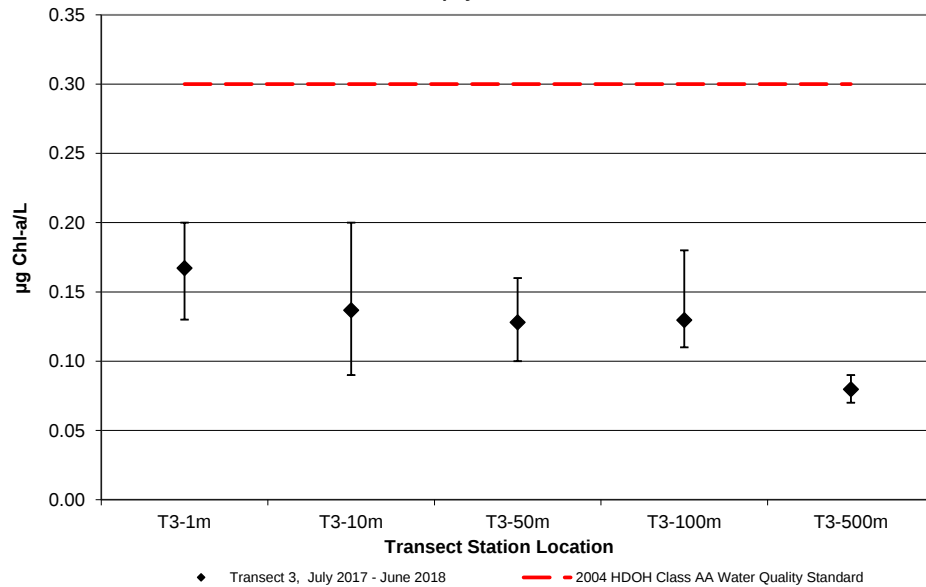
Transect 3 Station Summary
Total Ammonia Geometric Mean



Transect 3 Station Summary
Turbidity Geometric Mean



Transect 3 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2016 - June 2017

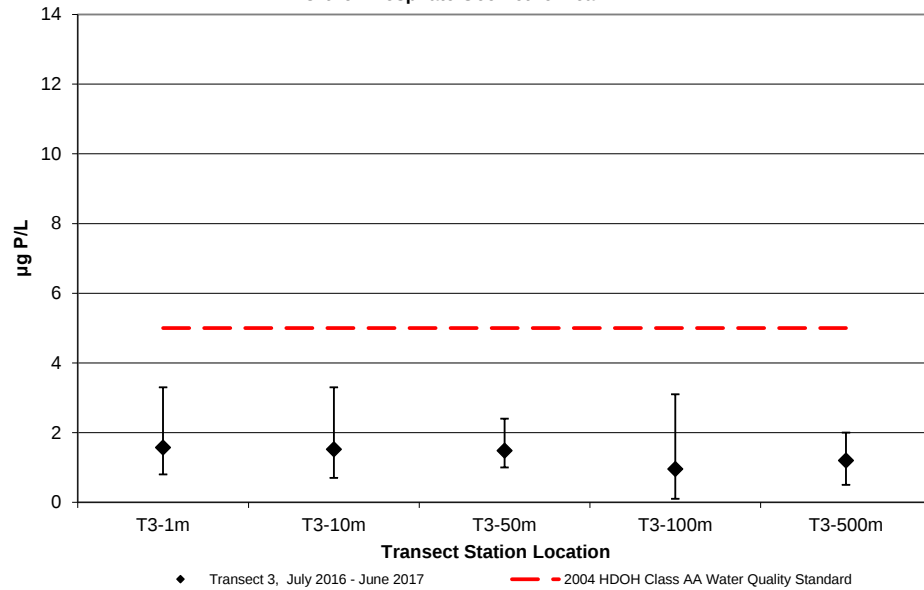
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO ₄ ³⁻ (μM) (μg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)		NH ₄ ⁺ & NH ₃ (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	7/6/16	1138	0.0 Flood	0.11	3.3	0.20	2.8	0.36	5.0	0.8	22	0.61	18.8	5.8	81	0.12	34.59	27.2	8.29	6.86	0.17
T3-1m	12/20/16	1110	1.2 Ebb	0.09	2.9	0.57	8.0	0.22	3.1	2.5	70	0.36	11.0	4.7	66	0.03	34.70	25.5	8.28	5.98	0.12
T3-1m	2/28/17	1004	-0.1 Low	0.03	0.8	0.46	6.5	0.46	6.5	1.2	34	0.29	9.1	4.6	65	0.10	34.63	24.7	8.21	5.75	0.15
T3-1m	5/10/17	956	-0.1 Low	0.03	0.8	0.41	5.8	0.10	1.4	1.4	39	0.24	7.4	3.8	53	0.08	34.75	25.7	8.20	4.33	0.09
Geomean	FY '17			0.05	1.6	0.38	5.4	0.2	3.4			0.4	10.9	4.7	65	0.07					0.12
T3-10m	7/6/16	1148	0.0 Flood	0.11	3.3	0.15	2.1	0.47	6.6	0.3	8	0.54	16.6	5.3	75	0.09	34.59	27.2	8.30	6.76	0.25
T3-10m	12/20/16	1117	1.2 Ebb	0.08	2.6	0.51	7.2	0.22	3.1	2.1	59	0.36	11.2	3.6	50	0.03	34.73	25.6	8.28	5.96	0.13
T3-10m	2/28/17	1010	-0.1 Low	0.02	0.7	0.48	6.7	0.14	1.9	1.1	32	0.29	9.1	4.8	68	0.07	34.65	24.7	8.21	5.69	0.14
T3-10m	5/10/17	958	-0.1 Low	0.03	0.9	0.40	5.6	0.06	0.8	1.4	39	0.22	6.8	3.5	49	0.09	34.77	25.7	8.21	4.33	0.08
Geomean	FY '17			0.05	1.5	0.35	4.9	0.17	2.4			0.33	10.4	4.2	59	0.06					0.14
T3-50m	7/6/16	1158	0.0 Flood	0.08	2.4	0.22	3.1	0.31	4.4	0.2	6	0.40	12.3	3.0	43	0.09	34.63	27.3	8.29	6.70	0.20
T3-50m	12/20/16	1124	1.2 Ebb	0.05	1.7	0.19	2.6	0.25	3.5	1.5	41	0.34	10.4	2.9	41	0.03	34.74	25.6	8.28	5.95	0.17
T3-50m	2/28/17	1014	-0.1 Low	0.03	1.0	0.49	6.9	0.11	1.6	1.0	29	0.33	10.3	4.5	63	0.10	34.65	24.7	8.21	5.57	0.14
T3-50m	5/10/17	1004	-0.1 Low	0.04	1.2	0.08	1.1	0.09	1.2	0.4	12	0.23	7.0	3.0	42	0.06	34.81	25.8	8.21	4.11	0.04
Geomean	FY '17			0.05	1.5	0.20	2.8	0.17	2.3			0.32	9.8	3.3	46	0.06					0.12
T3-100m	7/6/16	1207	0.0 Flood	0.10	3.1	0.25	3.5	0.35	4.9	0.1	3	0.41	12.7	3.9	54	0.24	34.68	27.2	8.70	6.76	0.20
T3-100m	12/20/16	1131	1.2 Ebb	0.05	1.5	0.15	2.1	0.13	1.8	1.8	51	0.33	10.2	3.1	44	0.04	34.74	25.6	8.28	6.59	0.17
T3-100m	2/28/17	1019	-0.1 Low	0.00	0.1	0.11	1.6	0.16	2.3	0.3	9	0.29	9.0	3.6	51	0.09	34.67	24.7	8.21	5.51	0.18
T3-100m	5/10/17	1009	-0.1 Low	0.06	1.8	0.05	0.7	0.12	1.7	0.7	19	0.20	6.2	3.1	44	0.07	34.81	25.9	8.21	4.13	0.07
Geomean	FY '17			0.03	1.0	0.12	1.7	0.17	2.4			0.30	9.2	3.4	48	0.09					0.14
T3-500m	7/6/16	1214	0.0 Flood	0.06	2.0	0.26	3.6	0.19	2.7	0.4	12	0.42	13.1	4.60	65	0.1	34.78	27.3	8.30	6.61	0.26
T3-500m	12/20/16	1141	1.2 Ebb	0.04	1.3	0.09	1.3	0.09	1.2	1.6	45	0.33	10.1	2.73	38	0.03	34.75	25.7	8.27	5.33	0.09
T3-500m	2/28/17	1027	-0.1 Low	0.02	0.5	0.02	0.3	0.11	1.6	0.1	2	0.27	8.5	4.26	60	0.11	34.70	24.7	8.22	5.54	0.10
T3-500m	5/10/17	1017	-0.1 Low	0.05	1.6	0.01	0.1	0.17	2.4	0.0	0	0.22	6.7	2.96	42	0.11	34.81	26.0	8.22	4.10	0.04
Geomean	FY '17			0.04	1.2	0.04	0.6	0.13	1.9			0.30	9.3	3.5	50	0.08					0.10

NELHA Water Quality Laboratory

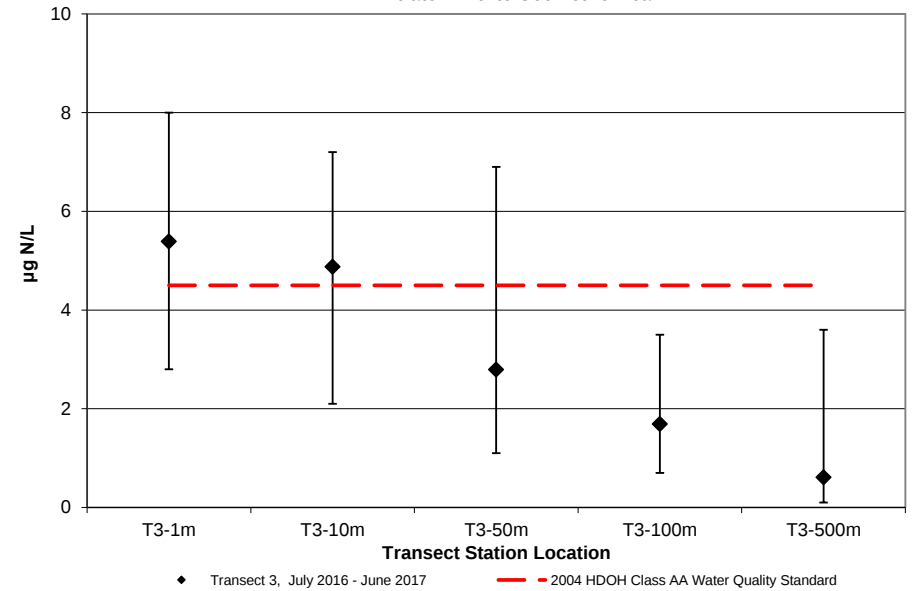
Transect 3

July 2016 - June 2017

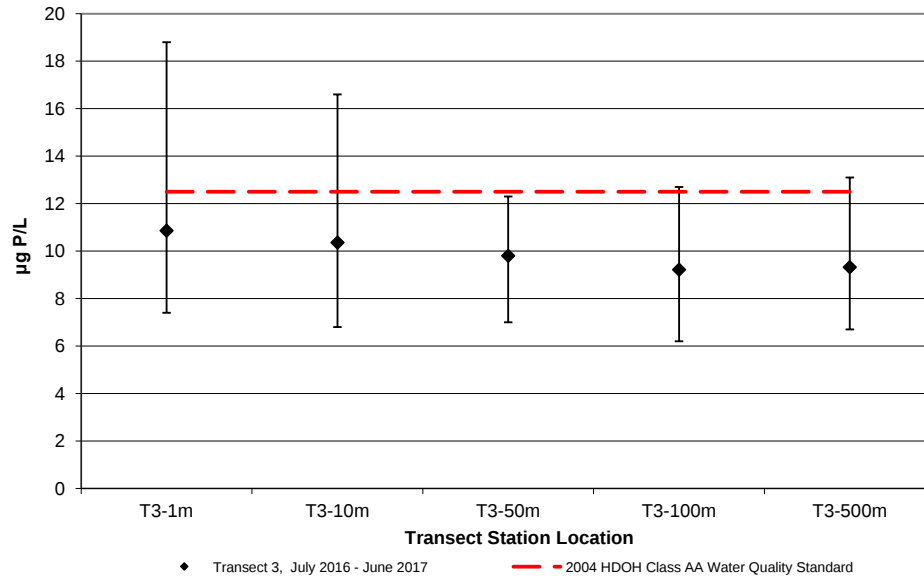
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean



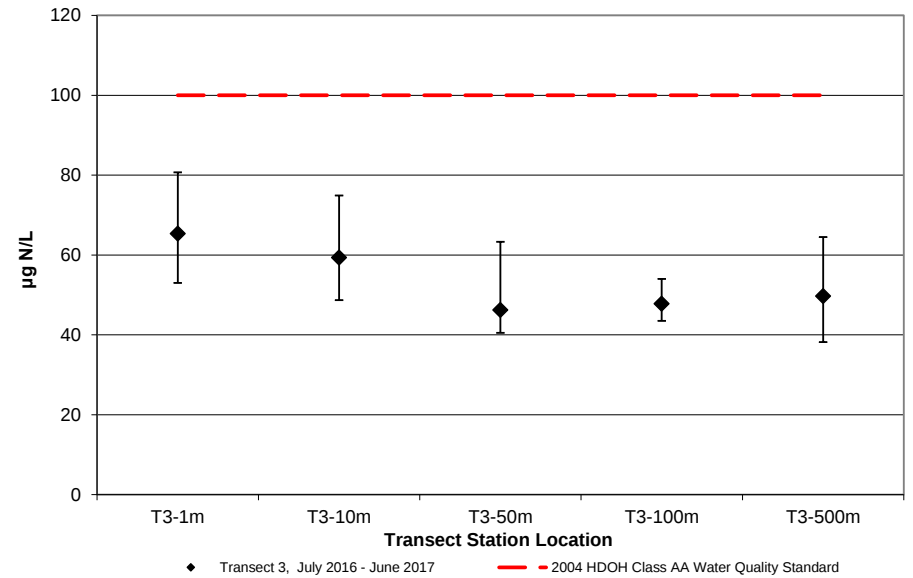
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean

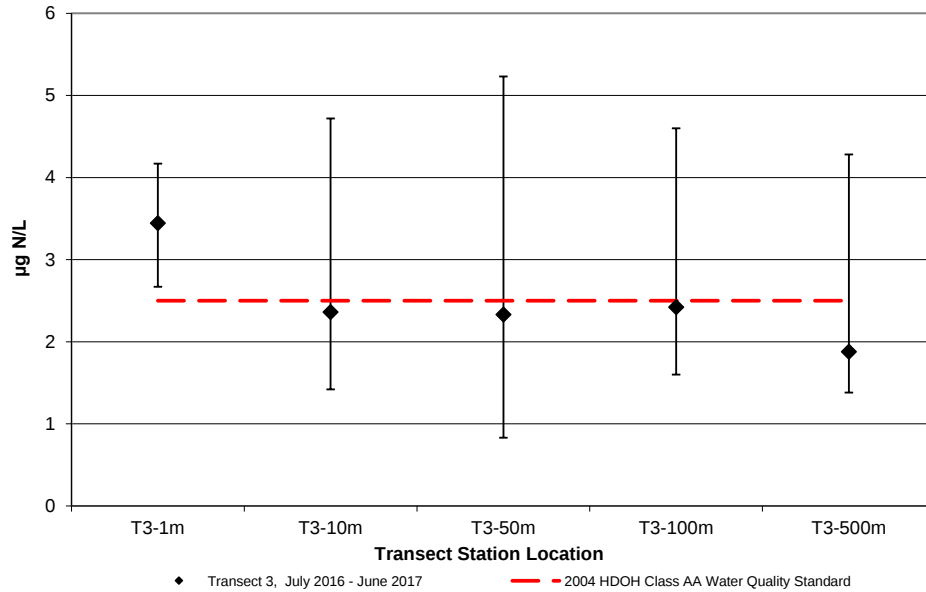


NELHA Water Quality Laboratory

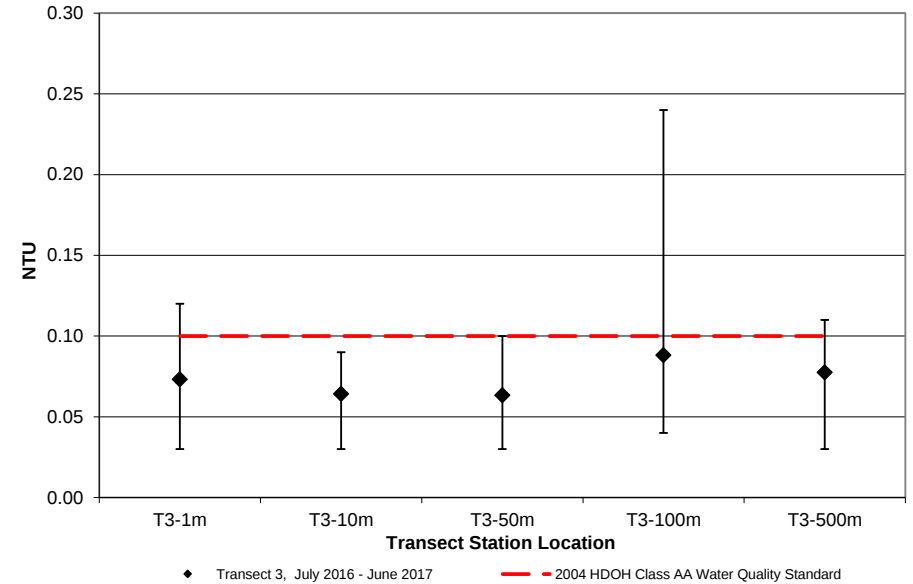
Transect 3

July 2016 - June 2017

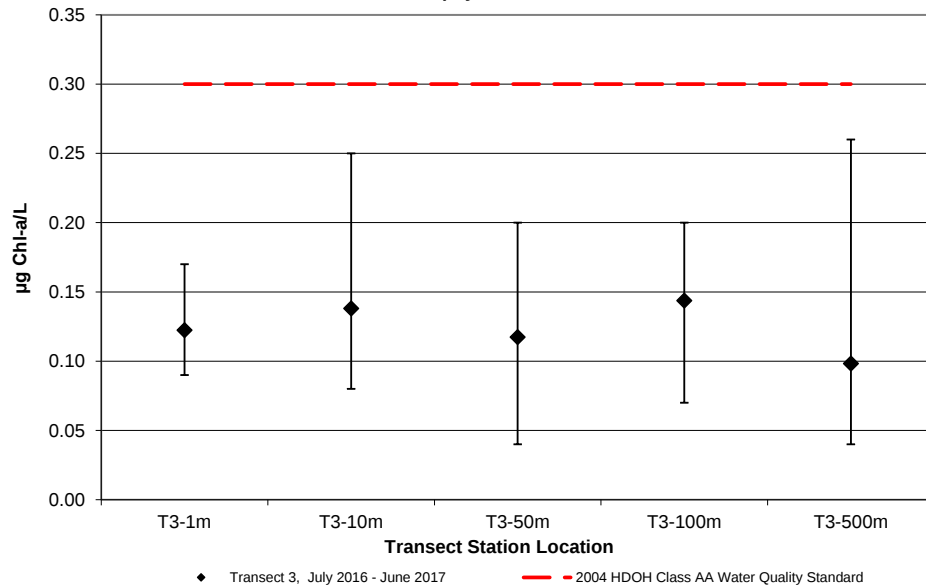
Transect 3 Station Summary
Total Ammonia Geometric Mean



Transect 3 Station Summary
Turbidity Geometric Mean



Transect 3 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

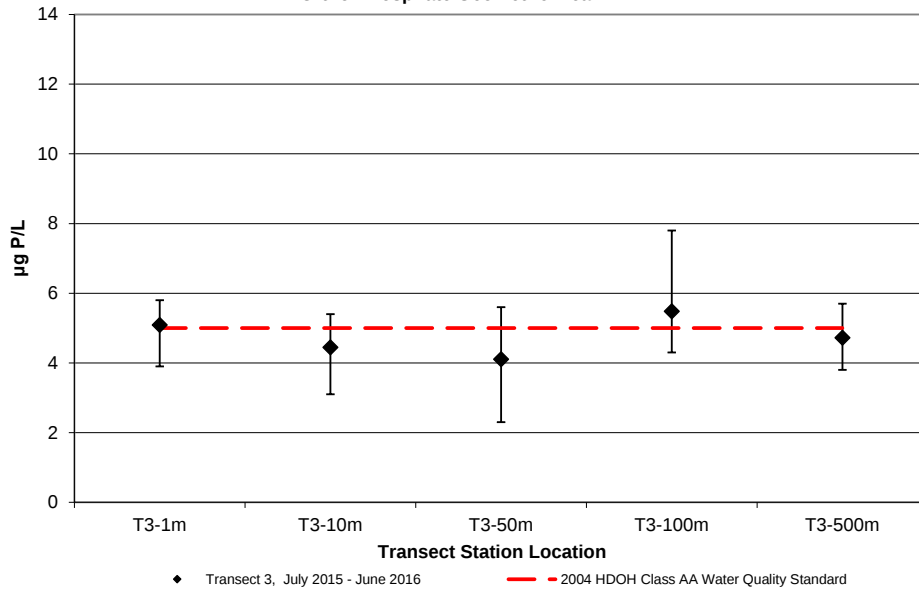
Transect 3

July 2015 - June 2016

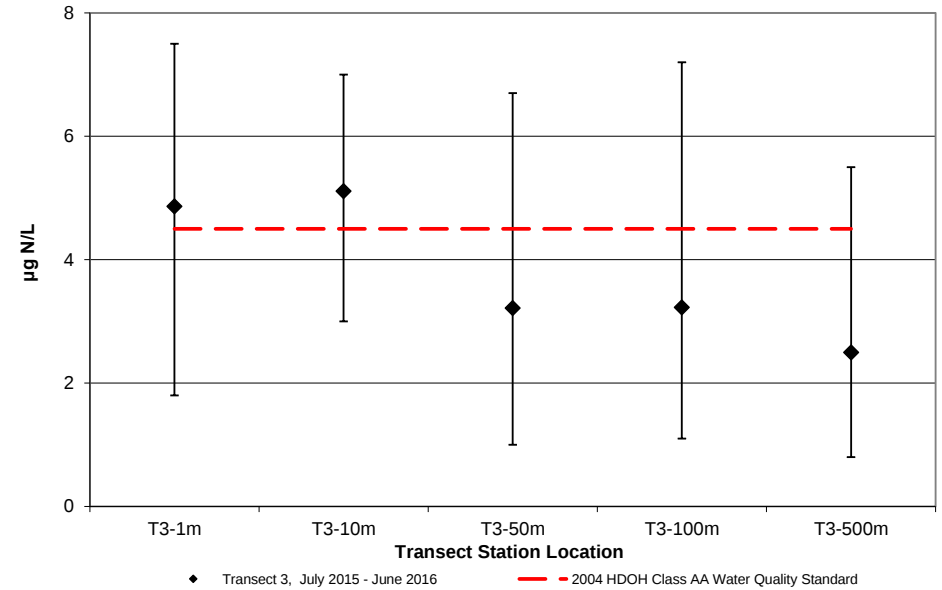
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO ₄ ³⁻ (μM) (μg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)	NH ₄ ⁺ & NH ₃ (μM) (μg N/L)	Si (μM) (μg Si/L)	TDP (μM) (μg P/L)	TDN (μM) (μg N/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)
DOH LIMIT				0.16 5	0.32 4.5	0.18 2.5		0.40 12.5	7.1 100	0.10					0.30
T3-1m	8/26/15	1024	1.2 Flood	0.18 5.6	0.40 5.6	0.26 3.7	17.5 490	0.23 7.2	6.6 92	0.05	34.29	28.3	8.22	6.32	0.11
T3-1m	11/17/15	1051	1.4 Ebb	0.17 5.3	0.54 7.5	0.69 9.6	7.5 210	0.52 16.2	5.6 78	0.07	33.99	27.4	8.24	6.60	0.17
T3-1m	3/1/16	1057	0.5 Ebb	0.19 5.8	0.53 7.4	0.32 4.5	1.0 29	0.52 16.0	4.5 63	0.09	34.74	25.4	8.25	5.98	0.11
T3-1m	5/3/16	1021	1.0 Flood	0.13 3.9	0.13 1.8	0.21 3.0	1.0 28	0.40 12.5	5.3 75	0.05	34.68	25.7	8.24	6.49	0.12
Geomean FY '16				0.16 5.1	0.35 4.9	0.3 4.7		0.4 12.4	5.5 76	0.06					0.13
T3-10m	8/26/15	1030	1.2 Flood	0.17 5.4	0.36 5.0	0.34 4.7	3.2 90	0.21 6.5	5.5 77	0.02	34.35	28.4	8.22	6.26	0.35
T3-10m	11/17/15	1056	1.4 Ebb	0.15 4.5	0.50 7.0	0.09 1.3	3.8 107	0.51 15.7	6.9 97	0.07	34.01	27.5	8.23	6.50	0.12
T3-10m	3/1/16	1102	0.5 Ebb	0.17 5.2	0.46 6.5	0.34 4.7	0.1 3	0.52 16.1	4.5 63	0.08	34.80	25.4	8.24	5.93	0.09
T3-10m	5/3/16	1026	1.0 Flood	0.10 3.1	0.21 3.0	0.17 2.4	0.6 17	0.42 12.9	6.0 85	0.08	34.68	25.7	8.26	6.45	0.17
Geomean FY '16				0.14 4.4	0.36 5.1	0.21 2.9		0.39 12.1	5.7 79	0.05					0.16
T3-50m	8/26/15	1035	1.2 Flood	0.15 4.7	0.07 1.0	0.21 2.9	3.1 86	0.37 11.6	3.8 53	0.02	34.38	28.5	8.22	6.04	0.31
T3-50m	11/17/15	1102	1.4 Ebb	0.15 4.7	0.46 6.4	0.19 2.6	4.0 111	0.52 16.2	5.6 78	0.06	34.00	27.4	8.23	6.39	0.15
T3-50m	3/1/16	1110	0.5 Ebb	0.18 5.6	0.48 6.7	0.39 5.4	0.1 3	0.49 15.3	3.8 53	0.07	34.79	25.4	8.24	5.97	0.13
T3-50m	5/3/16	1032	1.0 Flood	0.07 2.3	0.18 2.5	0.16 2.3	0.6 16	0.46 14.3	11.2 157	0.07	34.67	25.8	8.27	6.41	0.19
Geomean FY '16				0.13 4.1	0.23 3.2	0.22 3.1		0.46 14.2	5.5 77	0.05					0.18
T3-100m	8/26/15	1040	1.3 Flood	0.14 4.3	0.08 1.1	0.14 1.9	3.0 83	0.31 9.7	5.8 82	0.03	34.35	28.7	8.25	5.98	0.26
T3-100m	11/17/15	1108	1.4 Ebb	0.16 4.9	0.51 7.2	0.10 1.4	4.1 116	0.54 16.8	5.9 83	0.06	34.01	27.5	8.25	6.48	0.15
T3-100m	3/1/16	1115	0.5 Ebb	0.18 5.5	0.51 7.2	0.31 4.4	0.3 8	0.51 15.8	6.0 84	0.08	34.77	25.4	8.23	5.96	0.08
T3-100m	5/3/16	1038	1.0 Flood	0.25 7.8	0.14 1.9	0.06 0.9	0.5 14	0.42 13.1	6.4 89	0.07	34.66	25.8	8.27	6.48	0.21
Geomean FY '16				0.18 5.5	0.23 3.2	0.13 1.8		0.44 13.6	6.0 84	0.06					0.16
T3-500m	8/26/15	1048	1.3 Flood	0.16 5.0	0.06 0.8	0.22 3.1	1.1 32	0.20 6.3	4.53 64	0.02	34.47	28.7	8.23	5.99	0.13
T3-500m	11/17/15	1121	1.4 Ebb	0.12 3.8	0.39 5.5	0.32 4.5	4.3 120	0.53 16.3	5.60 78	0.06	34.01	27.5	8.24	6.43	0.13
T3-500m	3/1/16	1123	0.5 Ebb	0.15 4.6	0.35 4.9	0.42 5.9	0.3 9	0.49 15.3	5.18 73	0.08	34.78	25.5	8.24	5.73	0.09
T3-500m	5/3/16	1045	1.0 Flood	0.18 5.7	0.13 1.8	0.08 1.1	0.1 2	0.46 14.2	7.23 101	0.09	34.65	26.2	8.26	6.45	0.22
Geomean FY '16				0.15 4.7	0.18 2.5	0.22 3.1		0.39 12.2	5.6 78	0.05					0.14

NELHA Water Quality Laboratory
Transect 3
 July 2015 - June 2016

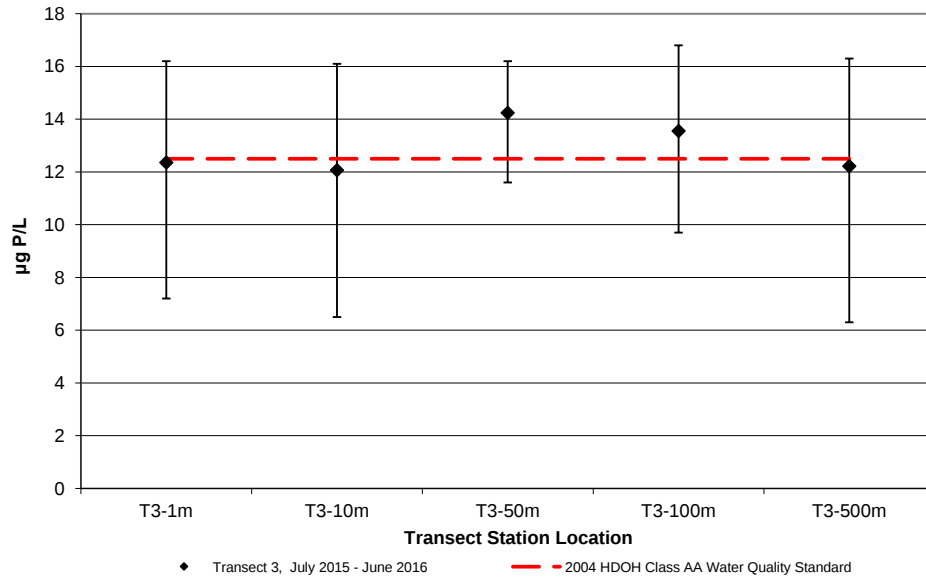
Transect 3 Station Summary
 Ortho-Phosphate Geometric Mean



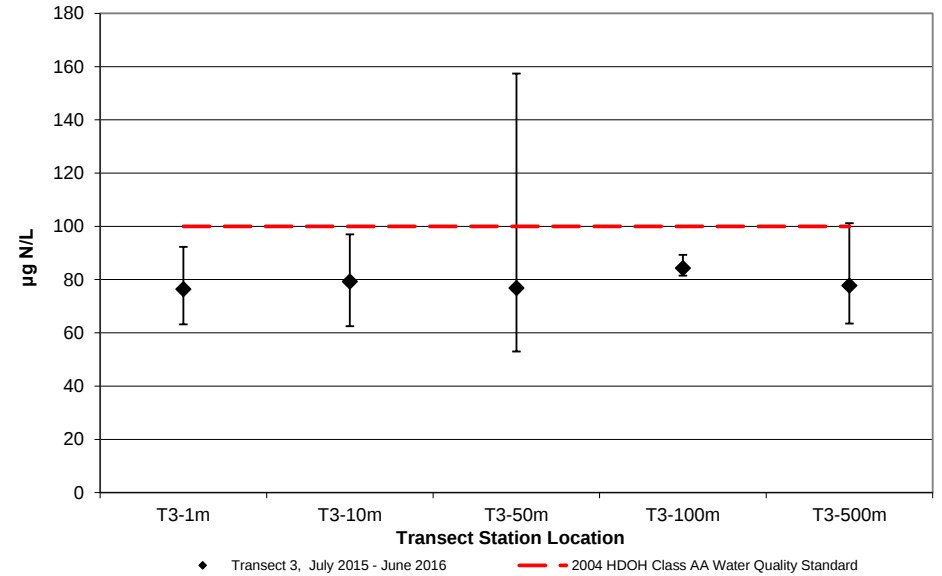
Transect 3 Station Summary
 Nitrate + Nitrite Geometric Mean



Transect 3 Station Summary
 Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary
 Total Dissolved Nitrogen Geometric Mean

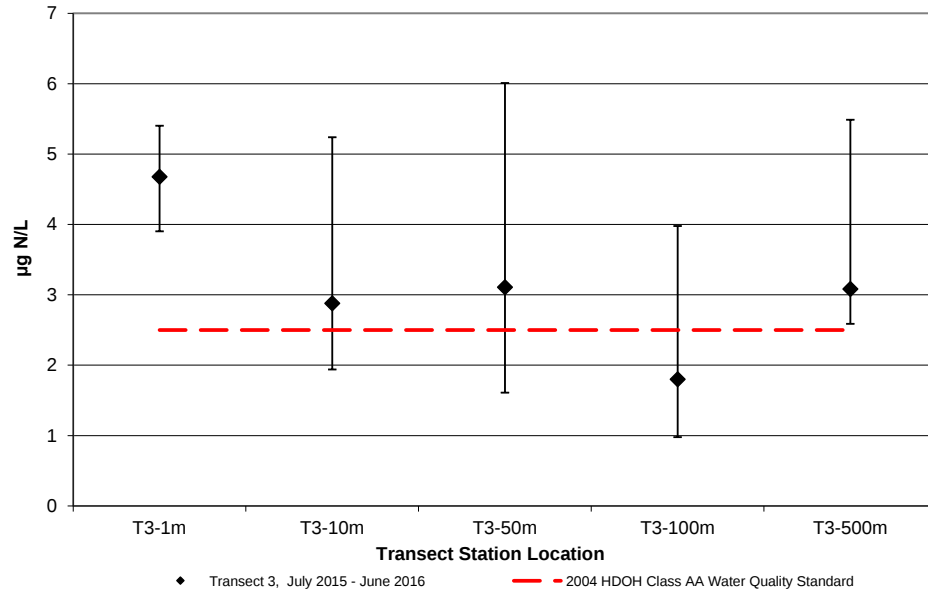


NELHA Water Quality Laboratory

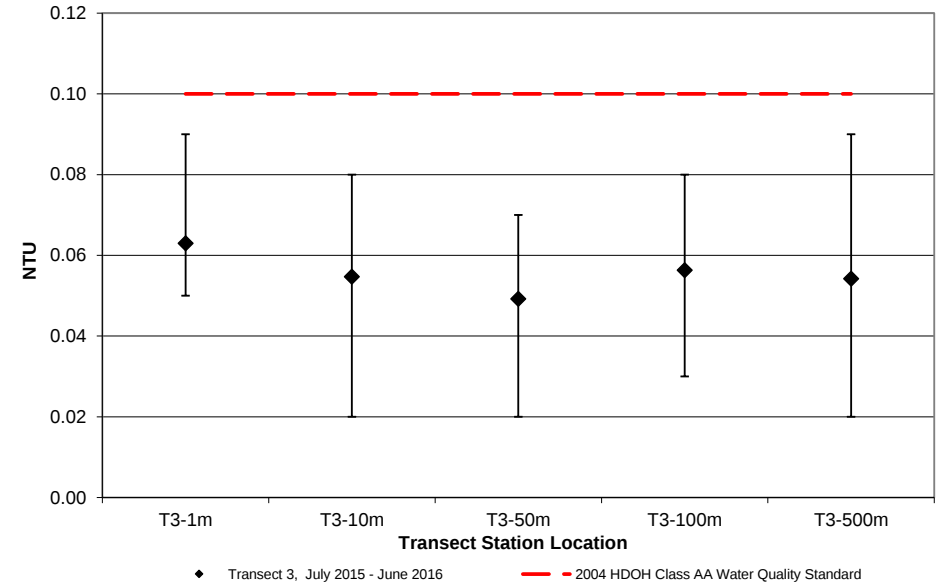
Transect 3

July 2015 - June 2016

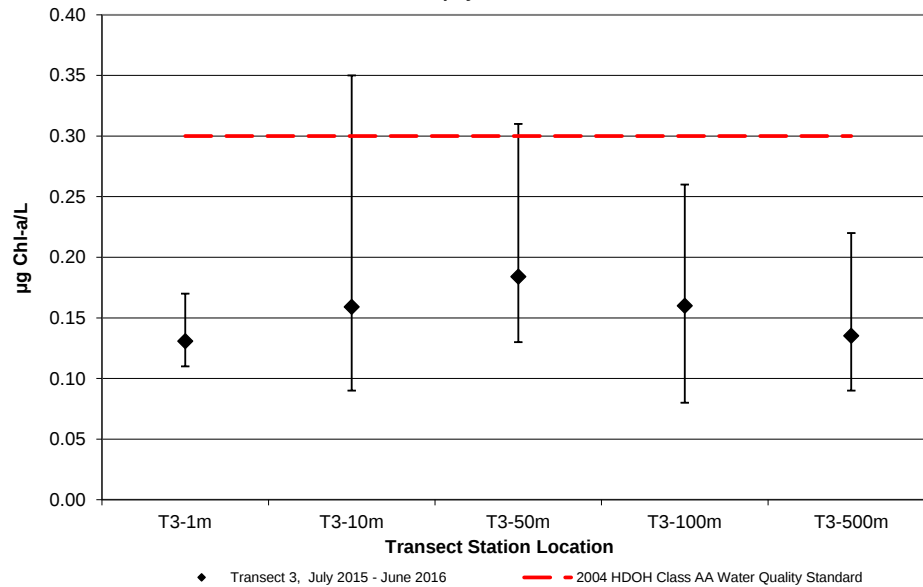
Transect 3 Station Summary
Total Ammonia Geometric Mean



Transect 3 Station Summary
Turbidity Geometric Mean



Transect 3 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2014 - June 2015

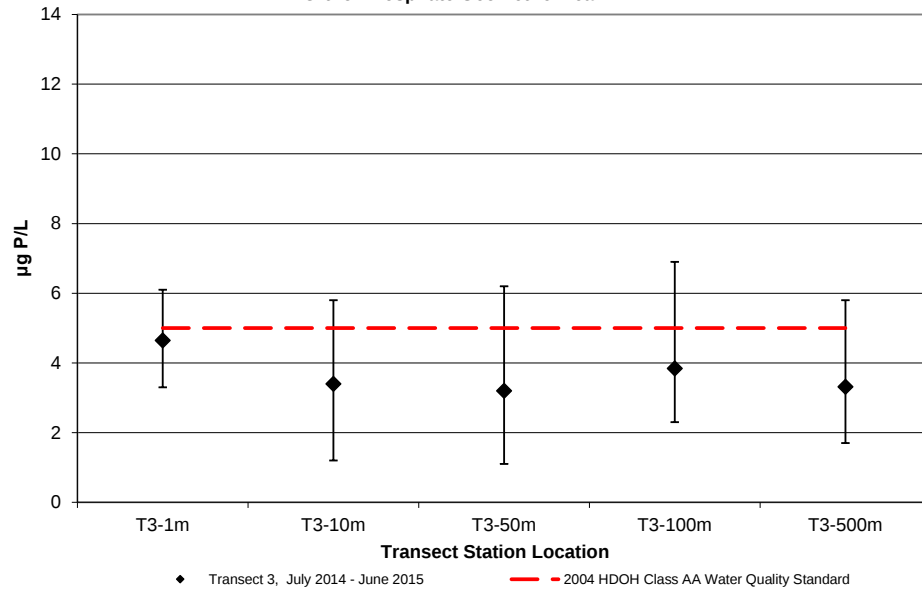
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (μM) (μg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)	NH ₄ ⁺ & NH ₃ (μM) (μg N/L)	Si (μM) (μg Si/L)	TDP (μM) (μg P/L)	TDN (μM) (μg N/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)						
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5		0.40	12.5	7.1	100	0.10				0.30		
T3-1m	8/5/14	1034	1.6	Flood	0.20	6.1	0.25	3.5	0.68	9.5	1.3	37	0.53	16.5	5.0	70	0.10	34.95	26.8	8.22	6.04	0.03
T3-1m	11/17/14	1210	1.4	Flood	0.17	5.4	0.33	4.6	0.42	5.9	0.3	9	0.48	14.8	5.9	83	0.08	34.96	27.2	8.22	6.97	0.14
T3-1m	3/3/15	1038	0.0	Low	0.11	3.3	0.81	11.3	0.10	1.4	2.4	69	0.33	10.2	8.7	121	0.08	34.83	25.6	8.18	7.24	0.15
T3-1m	6/16/15	1247	0.2	Flood	0.14	4.3	0.59	8.2	0.42	5.9	2.8	80	0.44	13.7	10.2	144	0.07	34.24	26.9	8.22	6.35	0.09
Geomean	FY '15				0.15	4.6	0.44	6.2	0.3	4.6			0.4	13.6	7.1	100	0.08					0.07
T3-10m	8/5/14	1037	1.7	Flood	0.19	5.8	0.21	2.9	0.42	5.9	1.4	39	0.50	15.5	4.4	62	0.10	34.95	26.8	8.22	6.01	0.17
T3-10m	11/17/14	1213	1.5	Flood	0.17	5.2	0.29	4.1	0.36	5.0	0.3	9	0.45	13.9	6.9	97	0.06	34.95	27.2	8.22	7.04	0.18
T3-10m	3/3/15	1041	0.0	Low	0.04	1.2	0.34	4.8	0.33	4.6	10.0	282	0.34	10.6	11.0	155	0.06	34.84	25.6	8.19	6.98	0.12
T3-10m	6/16/15	1252	0.2	Flood	0.12	3.7	0.47	6.6	0.34	4.8	3.1	86	0.42	13.1	7.2	101	0.06	34.27	26.8	8.23	6.32	0.13
Geomean	FY '15				0.11	3.4	0.31	4.4	0.36	5.1			0.42	13.2	7.0	98	0.07					0.15
T3-50m	8/5/14	1040	1.7	Flood	0.20	6.2	0.10	1.4	0.38	5.3	1.0	28	0.49	15.3	5.3	74	0.16	34.94	26.7	8.23	6.00	0.13
T3-50m	11/17/14	1217	1.5	Flood	0.17	5.3	0.14	2.0	0.35	4.9	0.0	0.2	0.46	14.4	5.5	78	0.07	34.95	27.3	8.22	6.74	0.16
T3-50m	3/3/15	1047	0.0	Low	0.04	1.1	0.06	0.8	0.16	2.3	0.7	21	0.30	9.4	6.3	88	0.09	34.87	25.5	8.18	6.99	0.13
T3-50m	6/16/15	1259	0.2	Flood	0.09	2.9	1.03	14.4	0.46	6.4	2.7	76	0.32	9.9	7.5	106	0.05	34.23	26.9	8.23	6.30	0.17
Geomean	FY '15				0.10	3.2	0.17	2.4	0.32	4.4			0.39	12.0	6.1	85	0.08					0.15
T3-100m	8/5/14	1044	1.7	Flood	0.18	5.5	0.03	0.4	0.26	3.6	0.4	11	0.49	15.2	3.9	55	0.12	34.93	26.8	8.22	5.90	0.12
T3-100m	11/17/14	1221	1.5	Flood	0.22	6.9	0.08	1.1	0.46	6.5	0.0	0.1	0.49	15.1	5.6	78	0.08	34.95	27.2	8.22	6.80	0.14
T3-100m	3/3/15	1055	0.0	Low	0.07	2.3	0.06	0.8	0.21	3.0	0.3	9	0.33	10.2	6.8	96	0.10	34.86	25.8	8.19	6.96	0.07
T3-100m	6/16/15	1306	0.3	Flood	0.08	2.5	0.39	5.4	0.37	5.2	2.3	63	0.36	11.3	7.0	98	0.05	34.32	27.0	8.22	6.04	0.10
Geomean	FY '15				0.12	3.8	0.08	1.2	0.31	4.4			0.41	12.8	5.7	80	0.08					0.10
T3-500m	8/5/14	1051	1.7	Flood	0.19	5.8	0.03	0.4	0.51	7.2	0.5	15	0.50	15.5	4.93	69	0.09	34.93	27.1	8.22	5.86	0.10
T3-500m	11/17/14	1227	1.5	Flood	0.16	4.9	0.01	0.1	0.40	5.6	0.0	0.1	0.46	14.4	6.43	90	0.05	34.96	27.4	8.22	6.70	0.16
T3-500m	3/3/15	1103	0.0	Low	0.05	1.7	0.01	0.1	0.14	2.0	0.1	3	0.33	10.2	6.85	96	0.10	34.79	25.7	8.19	6.97	0.04
T3-500m	6/16/15	1314	0.3	Flood	0.08	2.5	0.10	1.4	0.43	6.0	2.0	57	0.11	3.5	7.95	111	0.07	34.29	27.0	8.22	6.04	0.14
Geomean	FY '15				0.11	3.3	0.02	0.3	0.33	4.7			0.31	9.4	6.4	90	0.07					0.10

NELHA Water Quality Laboratory

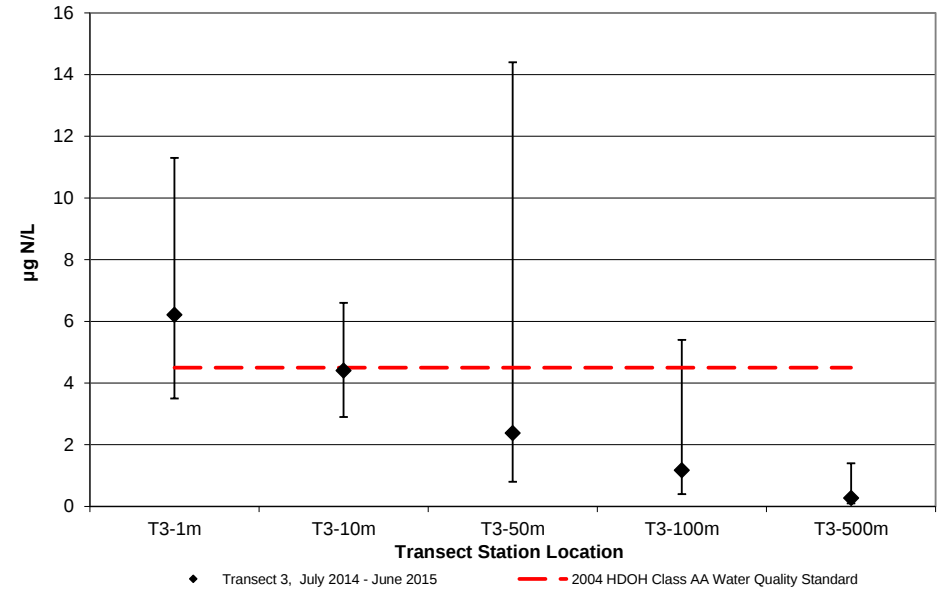
Transect 3

July 2014 - June 2015

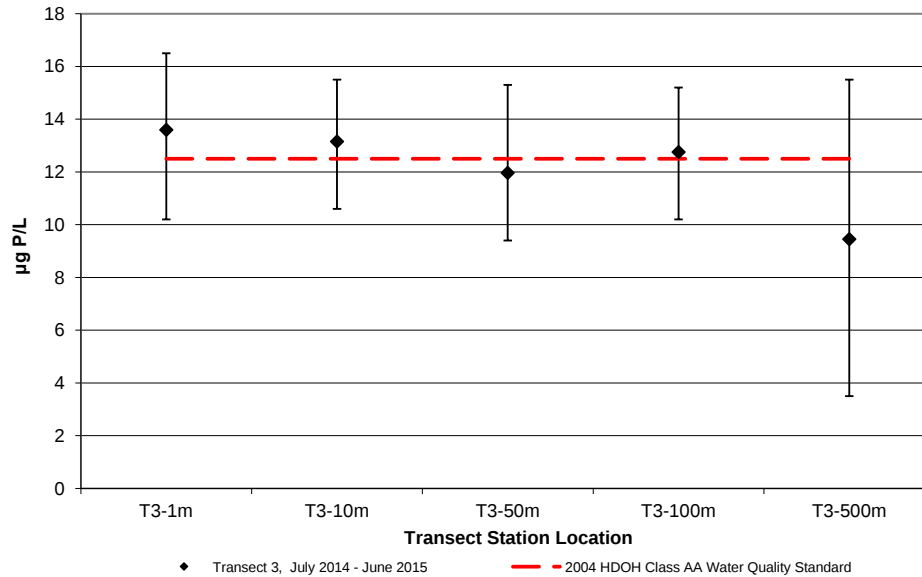
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean



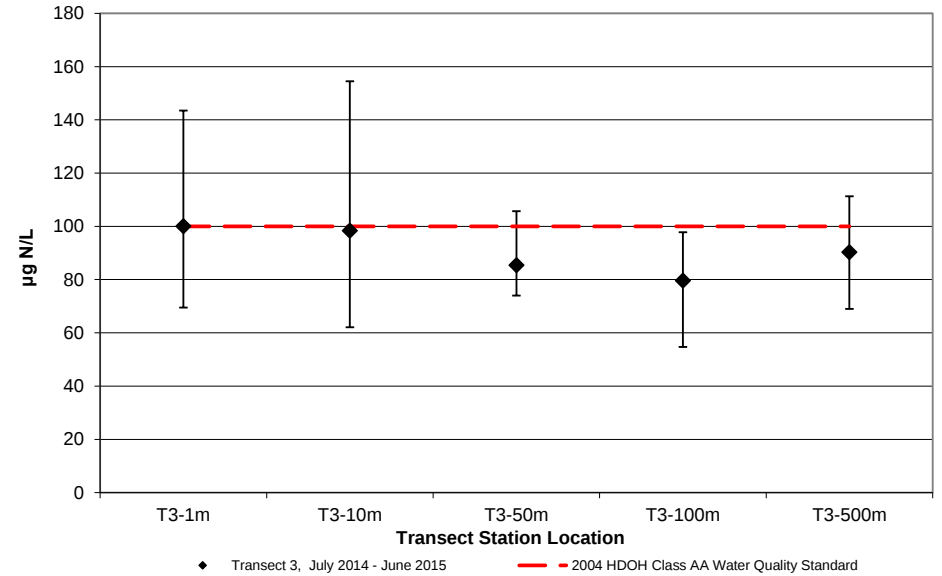
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean

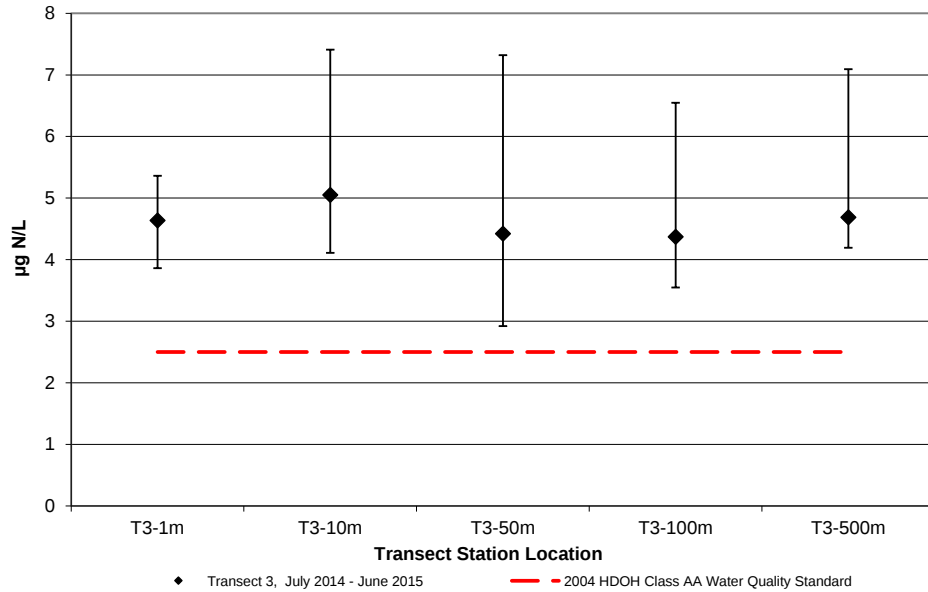


NELHA Water Quality Laboratory

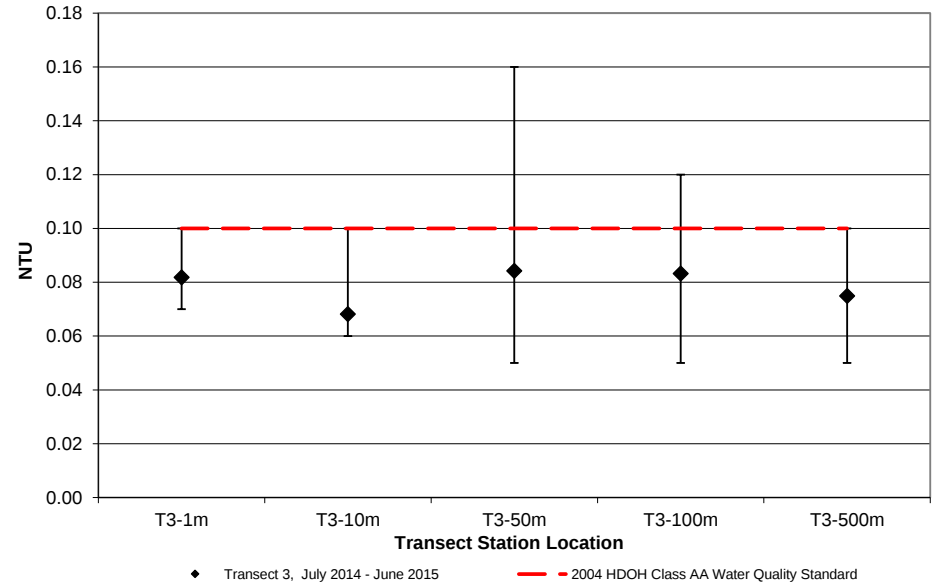
Transect 3

July 2014 - June 2015

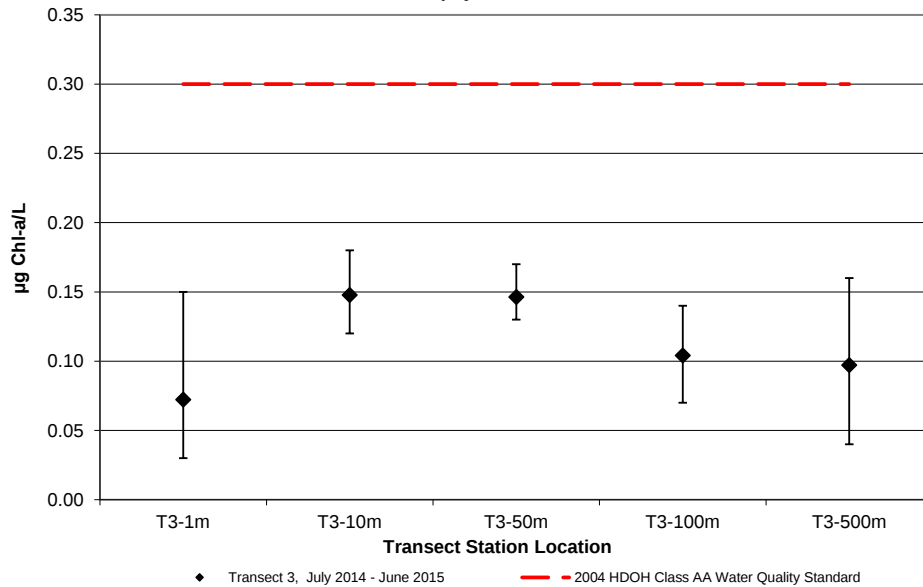
Transect 3 Station Summary
Total Ammonia Geometric Mean



Transect 3 Station Summary
Turbidity Geometric Mean



Transect 3 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2013 - June 2014

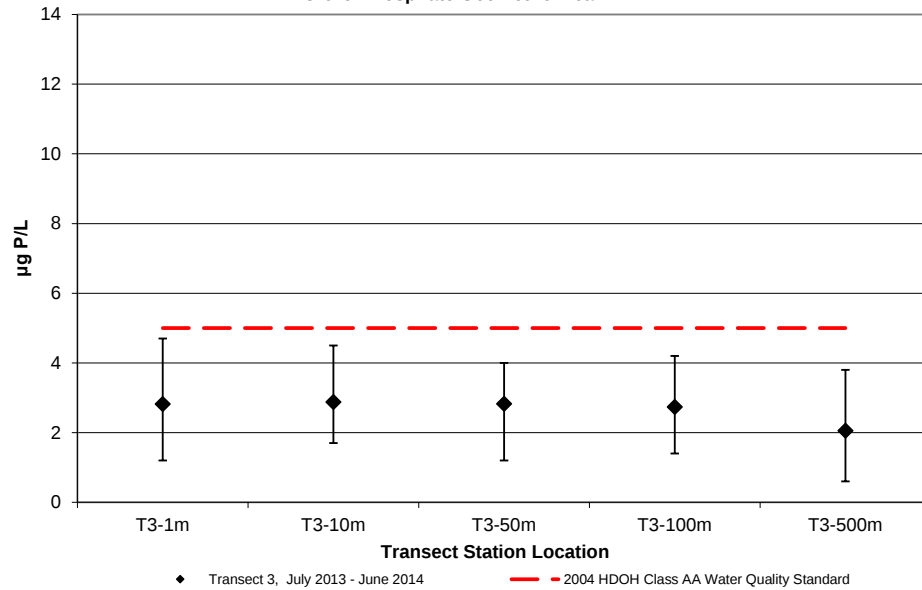
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)		PO ₄ ³⁻ (µM) (µg P/L)		NO ₃ ⁻ & NO ₂ ⁻ (µM) (µg N/L)		NH ₄ ⁺ & NH ₃ (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)		Salinity (PSU)		Temp. (°C)		pH (unit)		DO (ppm)		Chl a (µg/L)
DOH LIMIT					0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10									0.30	
T3-1m	8/1/13	952	1.1	Flood	0.04	1.2	0.11	1.5	0.08	1.1	2.3	64	0.44	13.5	5.2	73	0.11	35.25	26.3	8.26	7.02	0.14					
T3-1m	10/29/13	1021	1.4	Flood	0.15	4.7	0.50	7.0	0.34	4.7	2.5	72	0.46	14.1	6.2	87	0.06	35.25	27.1	8.22	6.54	0.12					
T3-1m	2/4/14	1033	0.6	Ebb	0.10	3.2	0.54	7.6	0.56	7.8	2.1	59	0.38	11.9	4.0	57	0.02	35.10	25.2	8.20	6.56	0.14					
T3-1m	5/6/14	1034	0.7	High	0.11	3.5	0.43	6.0	0.28	3.9	3.1	88	0.45	13.9	5.4	76	0.08	34.72	25.9	8.20	6.11	0.16					
Geomean	FY '14				0.09	2.8	0.33	4.7	0.3	3.5			0.4	13.3	5.2	72	0.06									0.14	
T3-10m	8/1/13	956	1.1	Flood	0.05	1.7	0.24	3.3	0.16	2.3	2.4	68	0.37	11.4	5.1	71	0.09	35.26	26.3	8.26	7.03	0.10					
T3-10m	10/29/13	1025	1.4	Flood	0.15	4.5	0.59	8.2	0.36	5.0	2.6	72	0.45	14	6.0	85	0.02	35.26	27.1	8.22	6.57	0.15					
T3-10m	2/4/14	1037	0.5	Ebb	0.09	2.8	0.65	9.1	0.49	6.9	2.1	58	0.36	11.1	5.1	72	0.02	35.09	25.2	8.20	6.52	0.09					
T3-10m	5/6/14	1040	0.7	High	0.10	3.2	0.47	6.6	0.37	5.2	3.2	89	0.50	15.6	7.3	103	0.04	34.74	25.9	8.20	6.28	0.15					
Geomean	FY '14				0.09	2.9	0.45	6.3	0.32	4.5			0.42	12.9	5.8	82	0.03									0.12	
T3-50m	8/1/13	1000	1.1	Flood	0.04	1.2	0.16	2.2	0.12	1.7	2.4	67	0.45	13.9	6.6	92	0.08	35.28	26.3	8.26	6.89	0.19					
T3-50m	10/29/13	1029	1.4	Flood	0.13	4.0	0.38	5.3	0.40	5.6	2.5	71	0.45	13.9	5.1	71	0.02	35.25	27.1	8.22	6.43	0.21					
T3-50m	2/4/14	1044	0.5	Ebb	0.12	3.6	0.59	8.3	0.49	6.8	2.0	56	0.37	11.5	4.2	58	0.02	35.09	25.2	8.20	6.46	0.25					
T3-50m	5/6/14	1049	0.7	High	0.12	3.7	0.56	7.9	0.23	3.2	4.3	121	0.42	13.1	6.3	89	0.08	34.74	25.9	8.19	6.35	0.18					
Geomean	FY '14				0.09	2.8	0.38	5.3	0.27	3.8			0.42	13.1	5.5	76	0.04									0.21	
T3-100m	8/1/13	1006	1.1	Flood	0.05	1.4	0.05	0.7	0.32	4.5	2.0	57	0.38	11.8	5.5	77	0.24	35.22	26.4	8.26	6.80	0.14					
T3-100m	10/29/13	1035	1.5	Flood	0.11	3.3	0.36	5.0	0.31	4.4	2.3	65	0.44	13.6	5.3	74	0.02	35.26	27.1	8.20	6.47	0.19					
T3-100m	2/4/14	1051	0.5	Ebb	0.09	2.9	0.24	3.3	0.39	5.4	1.9	52	0.37	11.6	4.8	67	0.02	35.09	25.2	8.20	6.48	0.09					
T3-100m	5/6/14	1055	0.7	High	0.14	4.2	0.51	7.2	0.18	2.5	4.2	118	0.44	13.7	5.8	81	0.04	34.73	26.0	8.20	6.15	0.20					
Geomean	FY '14				0.09	2.7	0.22	3.0	0.29	4.0			0.41	12.6	5.3	75	0.04									0.15	
T3-500m	8/1/13	1015	1.2	Flood	0.02	0.6	0.08	1.1	0.03	0.4	2.0	57	0.38	11.9	4.96	70	0.13	35.25	26.6	8.26	6.82	0.07					
T3-500m	10/29/13	1049	1.5	Flood	0.09	2.7	0.09	1.3	0.37	5.2	1.6	45	0.47	14.6	5.91	83	0.02	35.28	27.2	8.22	6.23	0.17					
T3-500m	2/4/14	1101	0.5	Ebb	0.09	2.9	0.06	0.8	0.29	4.1	1.5	42	0.37	11.5	3.74	52	0.02	35.12	25.3	8.20	6.25	0.11					
T3-500m	5/6/14	1103	0.7	High	0.12	3.8	0.06	0.8	0.50	7.0	1.1	32	0.42	13.1	6.01	84	0.03	34.85	26.2	8.20	6.06	0.16					
Geomean	FY '14				0.07	2.1	0.07	1.0	0.20	2.8			0.41	12.7	5.1	71	0.04									0.12	

NELHA Water Quality Laboratory

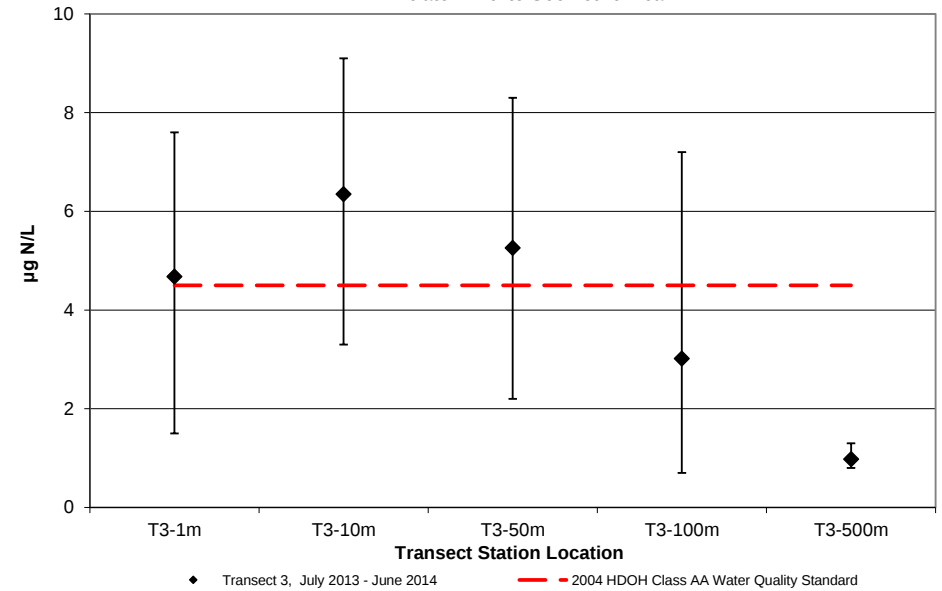
Transect 3

July 2013 - June 2014

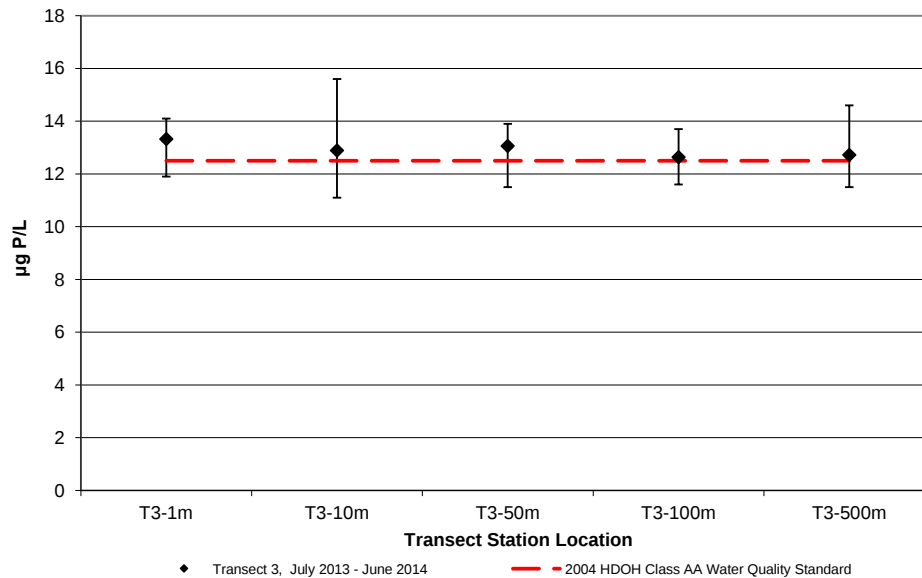
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean



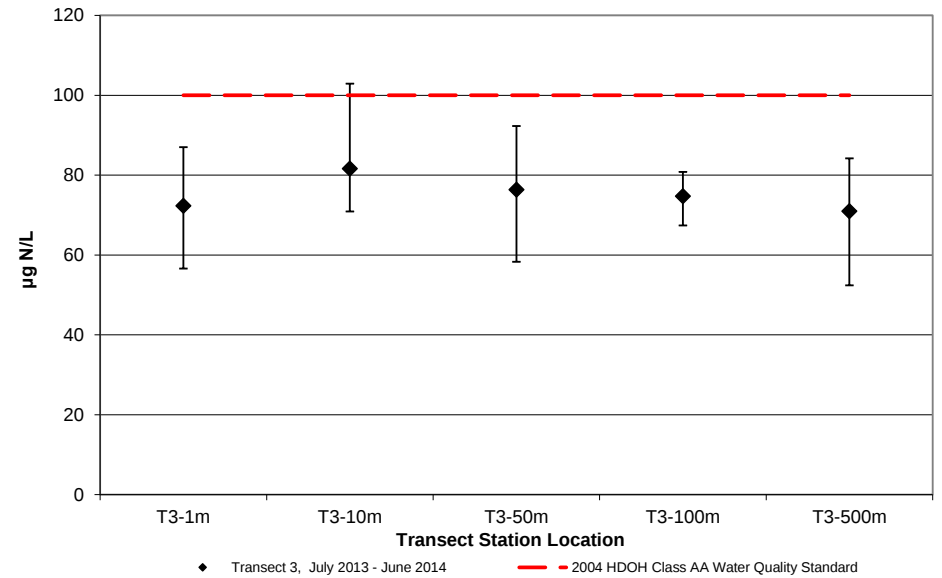
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean

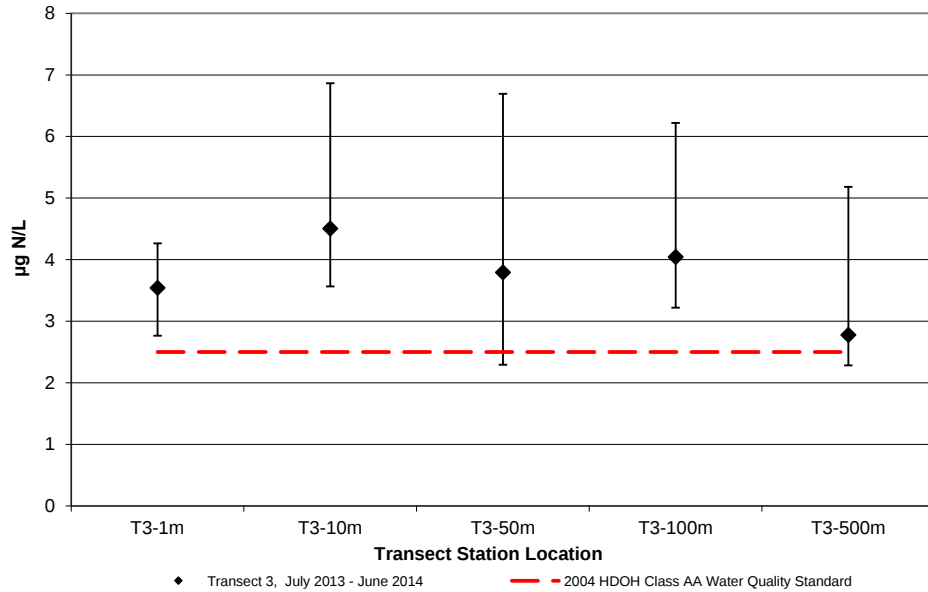


NELHA Water Quality Laboratory

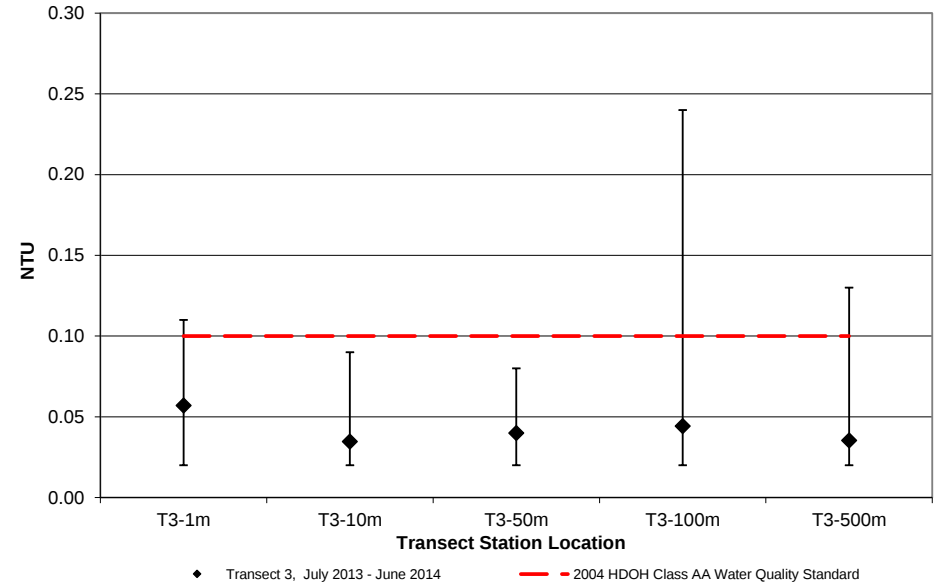
Transect 3

July 2013 - June 2014

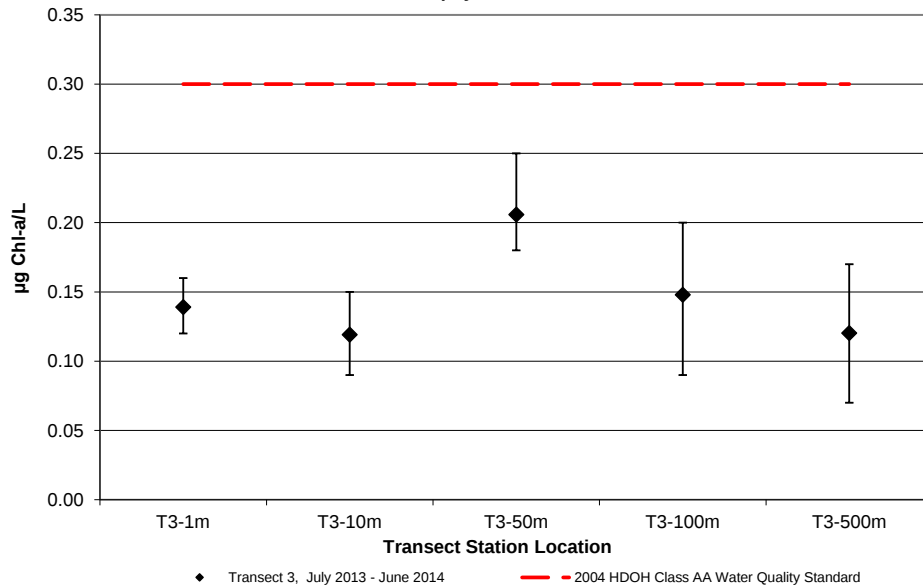
Transect 3 Station Summary
Total Ammonia Geometric Mean



Transect 3 Station Summary
Turbidity Geometric Mean



Transect 3 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2012 - June 2013

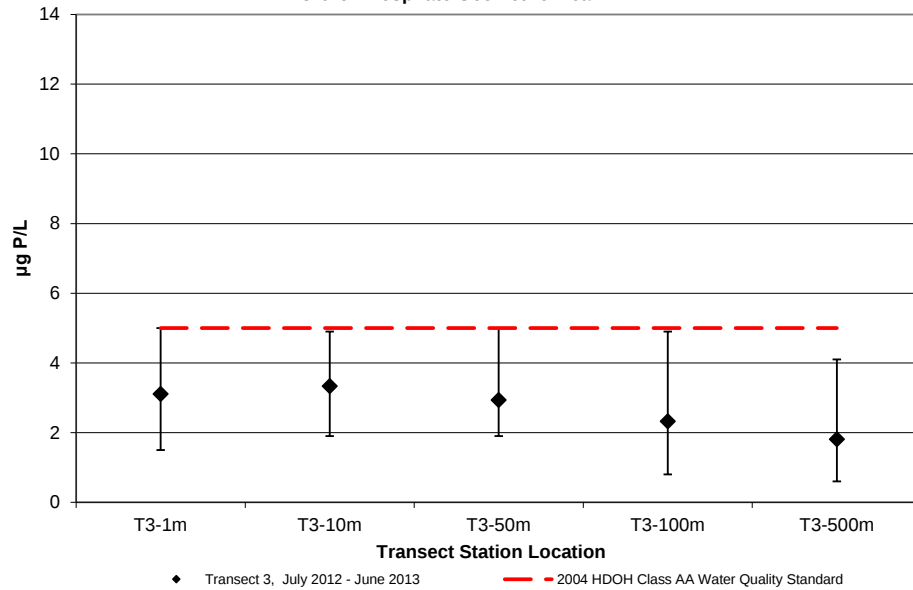
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO ₄ ³⁻ (μM) (μg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)	NH ₄ ⁺ & NH ₃ (μM) (μg N/L)	Si (μM) (μg Si/L)	TDP (μM) (μg P/L)	TDN (μM) (μg N/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)	
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5	0.40	12.5	7.1	100	0.10		0.30
T3-1m	7/24/12	1041		0.05	1.5	0.35	4.9	0.25	3.5	1.6	45	0.34	10.5	3.8	54	0.04
T3-1m	11/27/12	1026		0.12	3.8	1.12	15.7	0.26	3.6	4.0	113	0.49	15.1	6.3	88	0.15
T3-1m	1/23/13	1037		0.11	3.3	0.66	9.2	0.25	3.5	2.8	80	0.43	13.4	5.7	80	0.06
T3-1m	4/16/13	1045		0.16	5.0	0.72	10.1	0.41	5.7	2.3	63	0.48	14.9	6.7	94	0.04
Geomean	FY '13			0.10	3.1	0.66	9.2	0.3	4.0	0.4	13.3	5.5	77	0.05		0.06
T3-10m	7/24/12	1045		0.06	1.9	0.36	5.1	0.25	3.5	1.4	40	0.30	9.4	4.2	59	0.10
T3-10m	11/27/12	1029		0.14	4.3	1.28	17.9	0.37	5.2	4.4	125	0.46	14.3	5.7	80	0.08
T3-10m	1/23/13	1040		0.10	3.1	0.48	6.7	0.37	5.2	2.4	67	0.49	15.2	7.0	98	0.03
T3-10m	4/16/13	1048		0.16	4.9	0.76	10.7	0.16	2.3	2.5	71	0.46	14.4	5.9	83	0.15
Geomean	FY '13			0.11	3.3	0.64	9.0	0.27	3.8	0.42	13.1	5.6	79	0.04		0.08
T3-50m	7/24/12	1051		0.06	1.9	0.29	4.0	0.30	4.2	1.4	40	0.32	9.8	3.9	55	0.07
T3-50m	11/27/12	1033		0.09	2.8	0.41	5.8	0.27	3.8	2.2	62	0.38	11.8	4.2	59	0.04
T3-50m	1/23/13	1045		0.09	2.8	0.35	4.9	0.24	3.3	2.8	78	0.43	13.4	4.3	60	0.04
T3-50m	4/16/13	1053		0.16	5.0	0.74	10.4	0.16	2.2	2.8	80	0.48	14.9	5.9	82	0.08
Geomean	FY '13			0.09	2.9	0.42	5.9	0.23	3.3	0.40	12.3	4.5	63	0.05		0.05
T3-100m	7/24/12	1055		0.03	0.8	0.11	1.6	0.11	1.6	1.2	33	0.36	11.3	4.8	67	0.13
T3-100m	11/27/12	1036		0.08	2.5	0.29	4.1	0.54	7.5	2.4	67	0.57	17.6	4.8	68	0.20
T3-100m	1/23/13	1050		0.10	3.0	0.66	9.2	0.36	5.0	4.8	134	0.45	14.0	5.4	75	0.07
T3-100m	4/16/13	1058		0.16	4.9	0.56	7.8	0.17	2.4	1.8	51	0.47	14.5	5.9	82	0.09
Geomean	FY '13			0.08	2.3	0.33	4.7	0.25	3.5	0.46	14.2	5.2	73	0.04		0.11
T3-500m	7/24/12	1102		0.02	0.6	0.09	1.2	0.14	1.9	2.2	61	0.37	11.5	3.75	53	0.14
T3-500m	11/27/12	1042		0.06	1.9	0.04	0.6	0.26	3.7	1.3	35	0.36	11.2	4.80	67	0.18
T3-500m	1/23/13	1059		0.07	2.3	0.01	0.1	0.26	3.6	1.0	27	0.41	12.8	5.23	73	0.08
T3-500m	4/16/13	1106		0.13	4.1	0.09	1.3	0.11	1.6	0.4	12	0.48	14.9	5.54	78	0.5
Geomean	FY '13			0.06	1.8	0.04	0.6	0.18	2.5	0.40	12.5	4.8	67	0.05		0.18

NELHA Water Quality Laboratory

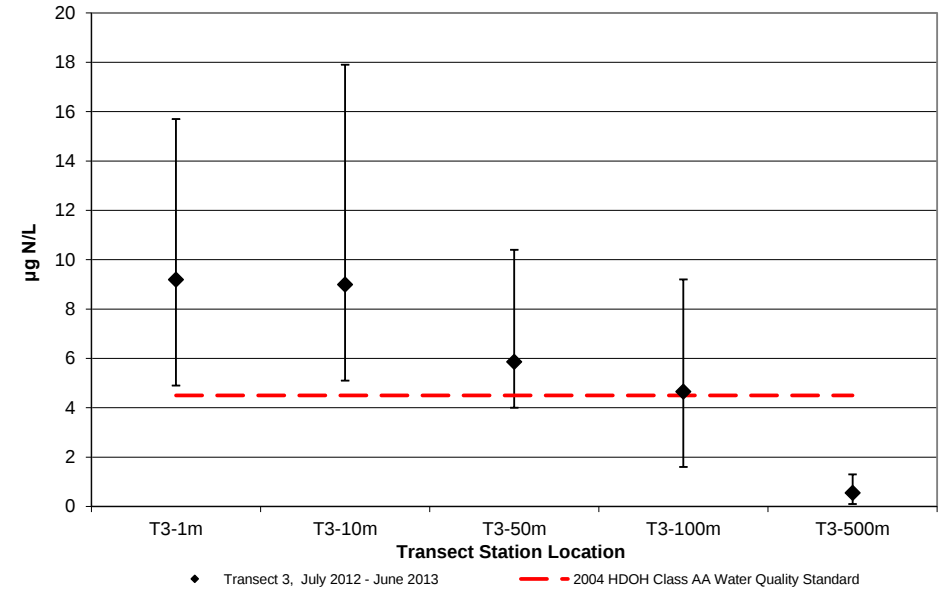
Transect 3

July 2012 - June 2013

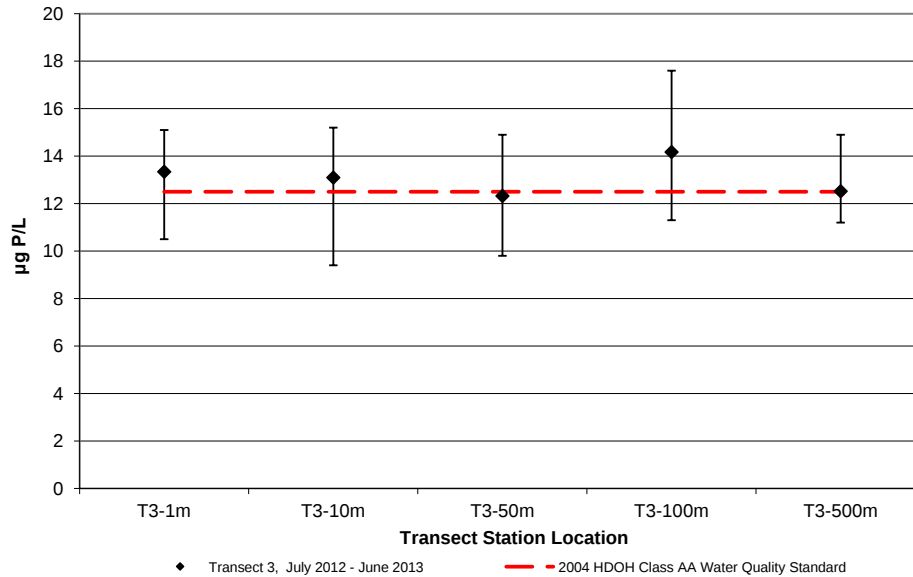
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean



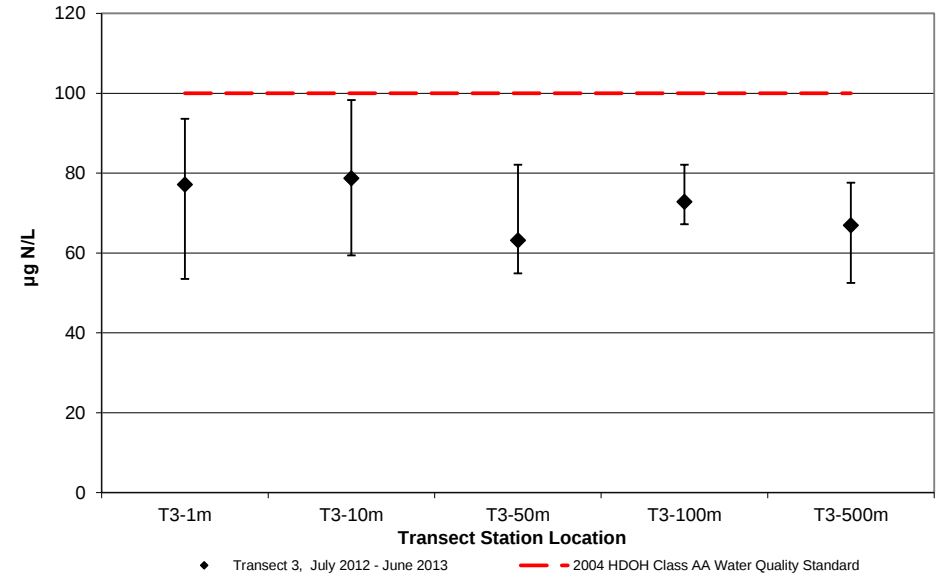
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean

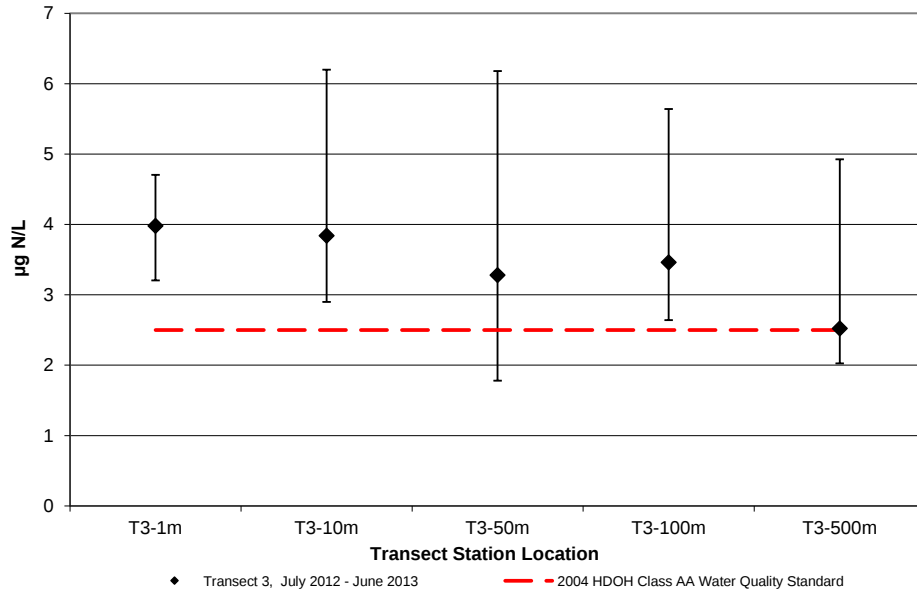


NELHA Water Quality Laboratory

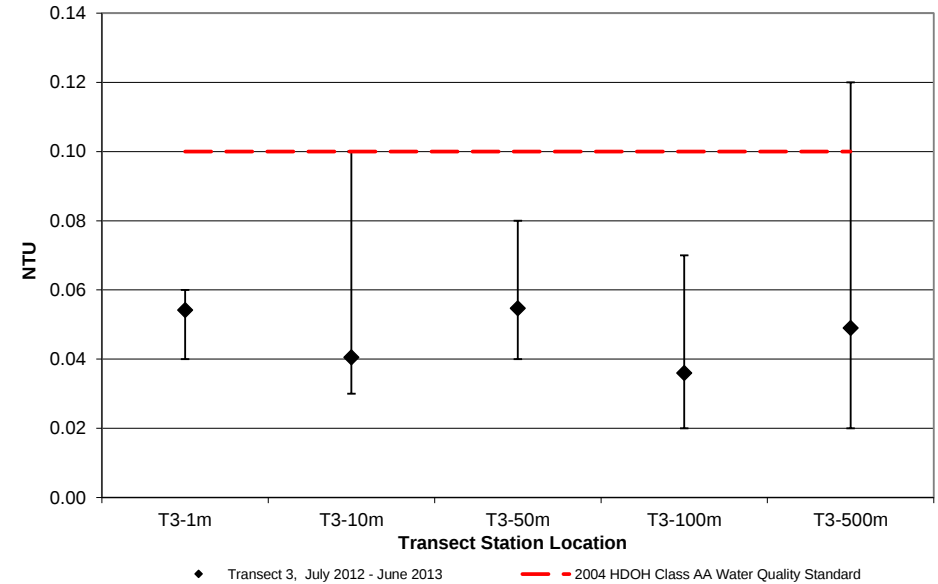
Transect 3

July 2012 - June 2013

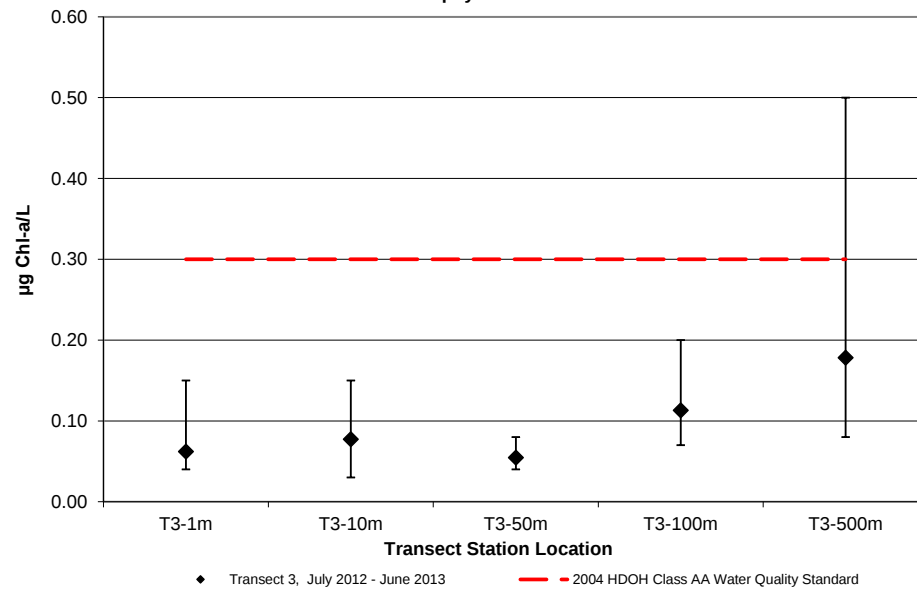
Transect 3 Station Summary
Total Ammonia Geometric Mean



Transect 3 Station Summary
Turbidity Geometric Mean



Transect 3 Station Summary
Chlorophyll-a Geometric Mean



NELHA Water Quality Laboratory

Transect 3

July 2011 - June 2012

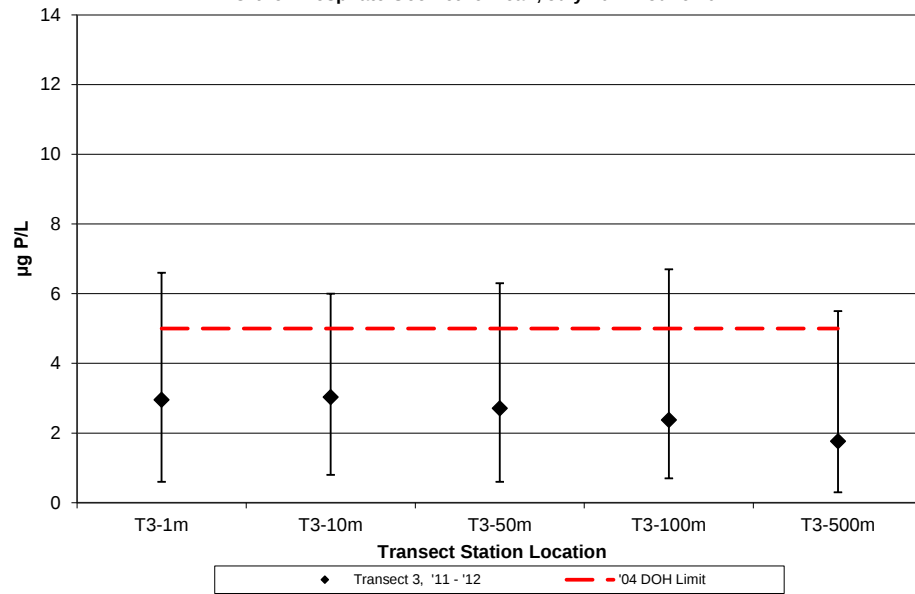
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO ₄ ³⁻ (μM) (μg P/L)	NO ₃ ⁻ & NO ₂ ⁻ (μM) (μg N/L)	NH ₄ ⁺ & NH ₃ (μM) (μg N/L)	Si (μM) (μg Si/L)	TDP (μM) (μg P/L)	TDN (μM) (μg N/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)	
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5	0.40	12.5	7.1	100	0.10		0.30
T3-1m	7/26/11	1115	1.6 Flood	0.21	6.6	0.26	3.7	0.17	2.4	1.5	42	0.49	15.1	3.5	49	0.04
T3-1m	10/18/11	1031	1.8 Ebb	0.02	0.6	0.12	1.7	0.24	3.4	2.4	68	0.30	9.4	4.1	58	0.09
T3-1m	1/25/12	1058	0.3 Ebb	0.13	4.0	0.66	9.3	0.23	3.2	3.4	96	0.41	12.7	4.3	60	0.09
T3-1m	4/24/12	1125	-0.1 Low	0.15	4.8	0.60	8.4	0.28	3.9	2.1	59	0.43	13.4	4.0	56	0.08
Geomean	FY '12			0.10	3.0	0.34	4.7	0.2	3.2	0.4	12.5	4.0	55	0.09		0.06
T3-10m	7/26/11	1119	1.6 Flood	0.19	6.0	0.26	3.6	0.14	2.0	1.3	38	0.46	14.1	3.6	51	0.07
T3-10m	10/18/11	1035	1.8 Ebb	0.03	0.8	0.11	1.5	0.24	3.3	1.9	53	0.27	8.5	3.3	46	0.10
T3-10m	1/25/12	1101	0.3 Ebb	0.13	3.9	0.91	12.7	0.14	1.9	3.4	96	0.42	13.0	5.4	75	0.07
T3-10m	4/24/12	1131	-0.1 Low	0.15	4.5	0.61	8.5	0.37	5.2	2.0	55	0.43	13.4	4.6	65	0.11
Geomean	FY '12			0.10	3.0	0.35	4.9	0.20	2.8	0.39	12.0	4.1	58	0.08		0.11
T3-50m	7/26/11	1126	1.6 Flood	0.20	6.3	0.31	4.3	0.44	6.1	2.0	56	0.47	14.7	4.3	61	0.04
T3-50m	10/18/11	1042	1.8 Ebb	0.02	0.6	0.10	1.4	0.16	2.2	2.0	56	0.30	9.2	3.6	50	0.04
T3-50m	1/25/12	1110	0.3 Ebb	0.09	2.9	0.26	3.7	0.12	1.7	2.3	66	0.38	11.9	3.6	50	0.09
T3-50m	4/24/12	1138	-0.1 Low	0.16	4.9	0.64	9.0	0.33	4.6	3.2	89	0.42	13.0	4.0	56	0.10
Geomean	FY '12			0.09	2.7	0.27	3.8	0.23	3.2	0.39	12.0	3.9	54	0.06		0.05
T3-100m	7/26/11	1137	1.6 Flood	0.22	6.7	0.12	1.7	0.04	0.6	0.9	25	0.46	14.2	2.8	40	0.07
T3-100m	10/18/11	1047	1.8 Ebb	0.02	0.7	0.06	0.9	0.14	1.9	1.6	45	0.32	9.8	3.9	55	0.08
T3-100m	1/25/12	1117	0.3 Ebb	0.07	2.2	0.04	0.5	0.07	1.0	1.4	41	0.40	12.3	4.4	61	0.09
T3-100m	4/24/12	1150	-0.1 Low	0.10	3.1	0.02	0.3	0.26	3.6	0.6	16	0.38	11.9	2.9	41	0.09
Geomean	FY '12			0.08	2.4	0.05	0.7	0.10	1.4	0.39	11.9	3.5	48	0.08		0.07
T3-500m	7/26/11	1146	1.6 Flood	0.18	5.5	0.01	0.1	0.02	0.3	0.1	3	0.47	14.6	4.43	62	0.09
T3-500m	10/18/11	1055	1.8 Ebb	0.01	0.3	0.04	0.5	0.10	1.4	1.6	46	0.36	11.3	4.80	67	0.07
T3-500m	1/25/12	1139	0.3 Ebb	0.05	1.6	0.01	0.2	0.02	0.3	1.4	40	0.33	10.3	3.83	54	0.08
T3-500m	4/24/12	1202	-0.1 Low	0.12	3.7	0.04	0.6	0.23	3.2	0.4	12	0.43	13.3	3.35	47	0.05
Geomean	FY '12			0.06	1.8	0.02	0.3	0.06	0.8	0.40	12.3	4.1	57	0.07		0.07

NELHA Water Quality Laboratory

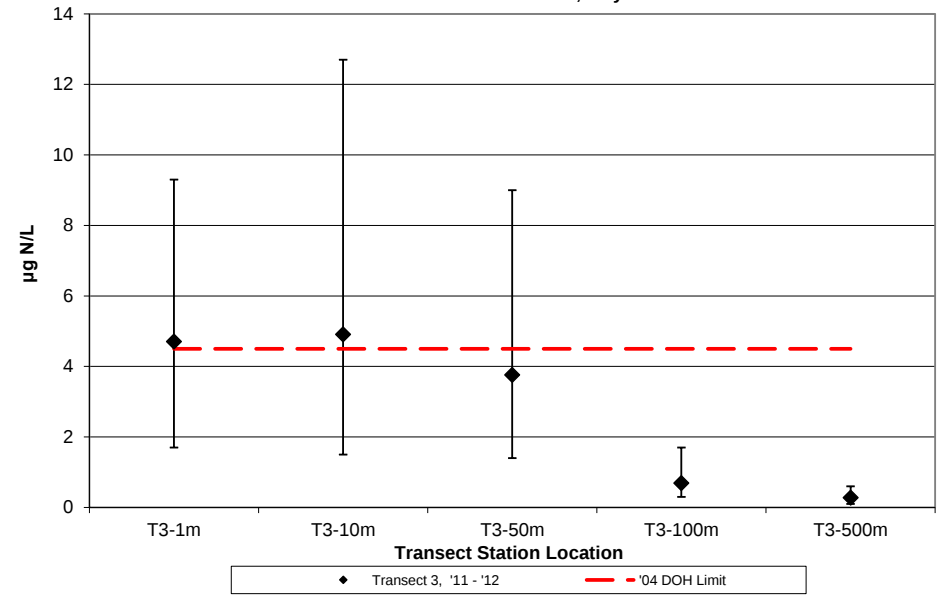
Transect 3

July 2011 - June 2012

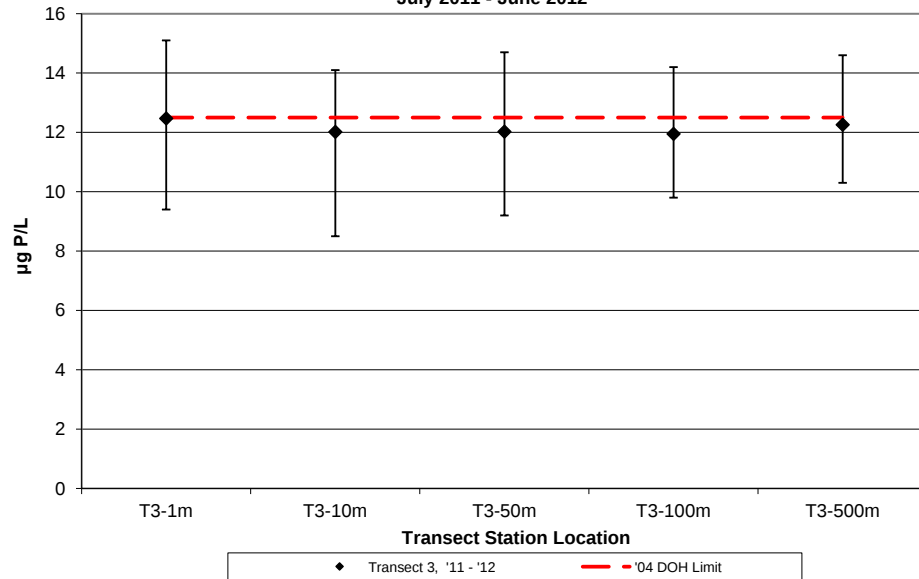
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean, July 2011 - June 2012



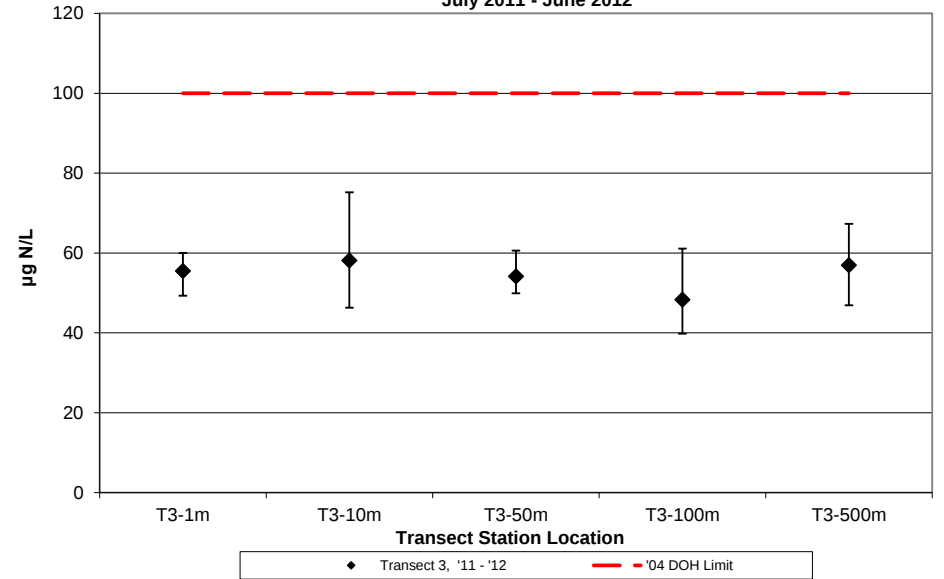
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean, July 2011 - June 2012



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2011 - June 2012



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2011 - June 2012

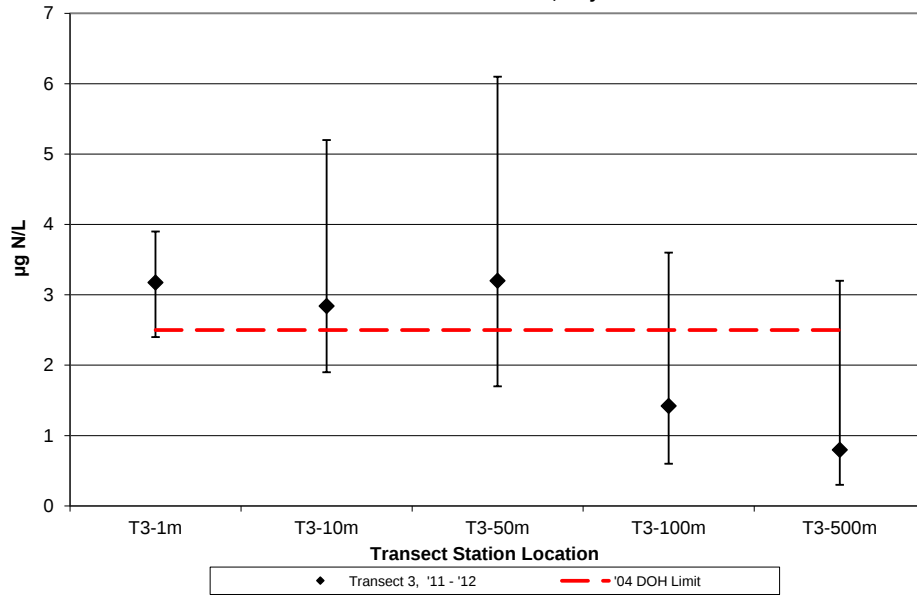


NELHA Water Quality Laboratory

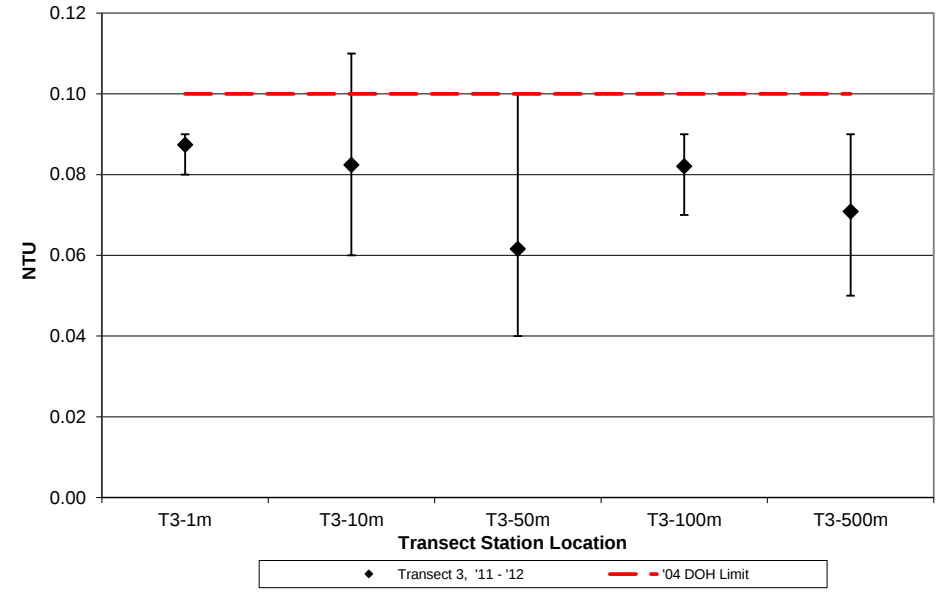
Transect 3

July 2011 - June 2012

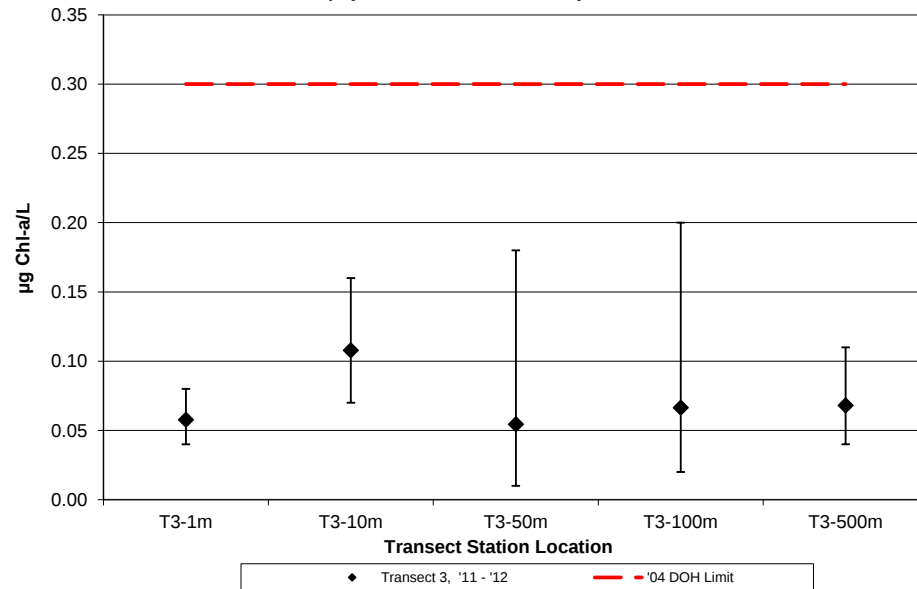
Transect 3 Station Summary
Total Ammonia Geometric Mean, July 2011 - June 2012



Transect 3 Station Summary
Turbidity Geometric Mean, July 2011 - June 2012



Transect 3 Station Summary
Chlorophyll-a Geometric Mean, July 2011 - June 2012



NELHA Water Quality Laboratory

Transect 3

July 2011 - June 2012

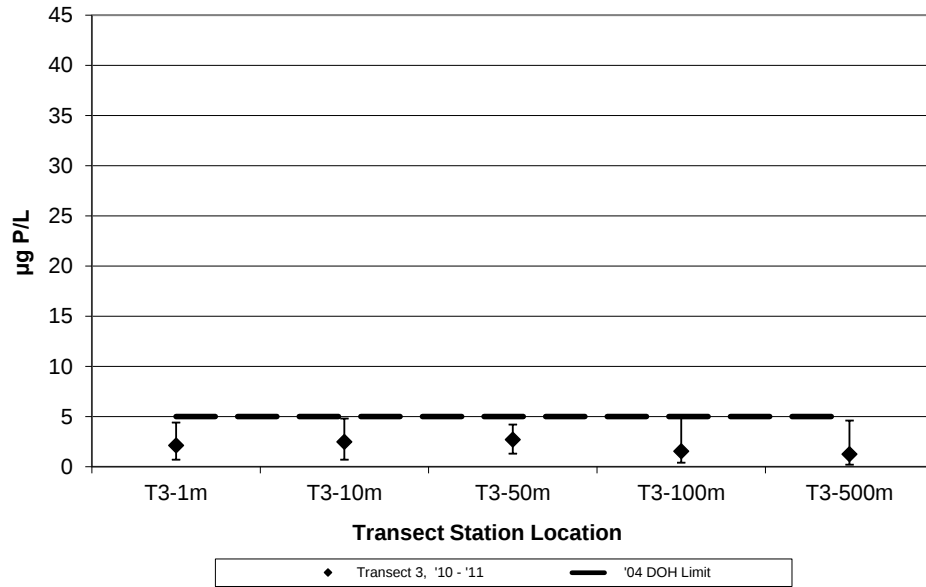
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO4 (µM) (µg P/L)		NO3+NO2 (µM) (µg N/L)		NH3 (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	8/10/10	1046	-0.2 Low	0.06	1.9	0.73	10.2	0.12	1.7	2.2	62	0.31	9.7	4.5	63	0.09	34.87	26.3	8.24	6.97	0.09
T3-1m	11/8/10	1027	1.0 Ebb	0.02	0.7	0.39	5.5	0.29	4.0	3.1	88	0.39	12.1	6.0	84	0.13	35.30	26.6	8.25	6.52	0.06
T3-1m	1/11/11	1040	1.0 Ebb	0.14	4.4	0.29	4.0	0.44	6.1	3.1	88	0.42	13.1	4.8	68	0.04	34.98	25.0	8.23	6.58	0.15
T3-1m	4/26/11	1044	0.7 Flood	0.11	3.4	0.37	5.2	0.29	4.0	5.6	158	0.46	14.4	3.4	48	0.08	34.97	25.0	8.21	6.63	0.1
Geomean '10-'11				0.07	2.1	0.42	5.8	0.3	3.6			0.4	12.2	4.6	64	0.08					0.09
T3-10m	8/10/10	1050	-0.2 Low	0.08	2.6	1.10	15.4	0.12	1.7	3.7	104	0.67	20.6	2.2	31	0.09	34.83	26.3	8.24	6.70	0.08
T3-10m	11/8/10	1030	1.0 Ebb	0.02	0.7	0.42	5.9	0.37	5.2	9.8	275	0.37	11.5	5.0	71	0.09	35.31	26.6	8.26	6.49	0.08
T3-10m	1/11/11	1044	1.0 Ebb	0.14	4.3	0.35	4.9	0.12	1.7	25.7	722	0.43	13.4	4.3	61	0.08	34.97	25.0	8.23	6.65	0.11
T3-10m	4/26/11	1048	0.7 Flood	0.15	4.8	0.35	4.9	0.24	3.4	2.4	67	0.40	12.5	3.2	46	0.08	34.97	25.0	8.21	6.61	0.15
Geomean '10-'11				0.08	2.5	0.49	6.8	0.19	2.7			0.46	14.1	3.5	49	0.08					0.10
T3-50m	8/10/10	1055	-0.2 Low	0.07	2.3	0.99	13.8	0.12	1.7	4.4	125	0.26	8.2	4.1	57	0.07	34.81	26.3	8.24	6.50	0.09
T3-50m	11/8/10	1034	1.0 Ebb	0.04	1.3	0.31	4.4	0.33	4.6	9.6	269	0.39	12.1	4.7	66	0.10	35.35	26.7	8.27	6.24	0.04
T3-50m	1/11/11	1050	1.0 Ebb	0.14	4.2	0.20	2.8	0.19	2.6	3.4	96	0.44	13.6	4.7	66	0.04	34.98	25.0	8.22	6.52	0.15
T3-50m	4/26/11	1053	0.7 Flood	0.14	4.2	0.31	4.4	0.22	3.1	8.0	226	0.45	14.0	3.9	55	0.07	34.98	25.0	8.21	6.53	0.08
Geomean '10-'11				0.09	2.7	0.37	5.2	0.20	2.8			0.38	11.7	4.3	61	0.07					0.08
T3-100m	8/10/10	1100	-0.2 Low	0.01	0.4	0.07	1.0	0.05	0.7	2.4	66	0.27	8.3	2.6	37	0.09	34.92	26.2	8.24	6.59	0.09
T3-100m	11/8/10	1039	0.9 Ebb	0.02	0.7	0.04	0.6	0.09	1.3	2.8	80	0.46	14.4	4.7	66	0.10	35.38	26.7	8.26	6.30	0.02
T3-100m	1/11/11	1056	0.9 Ebb	0.13	4.0	0.26	3.6	0.02	0.3	7.8	220	0.43	13.4	4.1	57	0.04	34.96	25.0	8.22	6.42	0.07
T3-100m	4/26/11	1059	0.7 Flood	0.16	5.1	0.24	3.4	0.26	3.7	2.5	71	0.49	15.1	3.6	50	0.08	34.49	25.0	8.21	6.50	0.16
Geomean '10-'11				0.05	1.5	0.12	1.6	0.07	1.0			0.40	12.5	3.7	51	0.07					0.07
T3-500m	8/10/10	1106	-0.1 Low	0.01	0.2	0.01	0.2	0.05	0.7	1.9	52	0.29	9.0	2.87	40	0.04	34.91	26.4	8.25	6.58	0.13
T3-500m	11/8/10	1049	0.9 Ebb	0.02	0.7	0.04	0.6	0.02	0.3	5.3	148	0.36	11.2	4.30	60	0.07	35.39	26.7	8.27	6.24	0.07
T3-500m	1/11/11	1105	0.9 Ebb	0.12	3.7	0.01	0.2	0.03	0.4	2.1	59	0.43	13.2	3.91	55	0.04	35.01	25.1	8.22	6.32	0.11
T3-500m	4/26/11	1116	0.8 Flood	0.15	4.6	0.03	0.4	0.04	0.5	1.3	36	0.46	14.3	4.42	62	0.09	34.92	24.9	8.21	6.41	0.12
Geomean '10-'11				0.04	1.2	0.02	0.3	0.03	0.5			0.38	11.7	3.8	54	0.06					0.10

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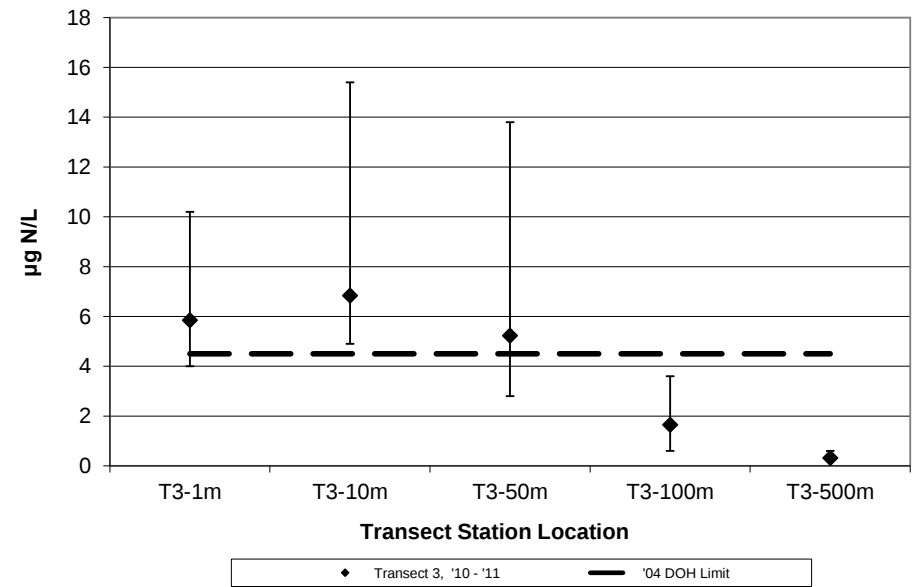
Transect 3

July 2011 - June 2012

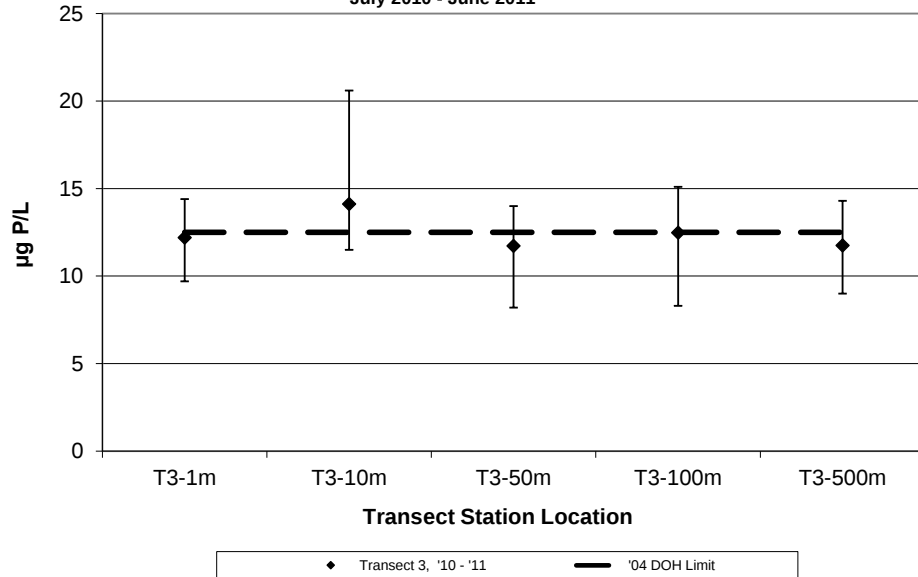
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean, July 2010 - June 2011



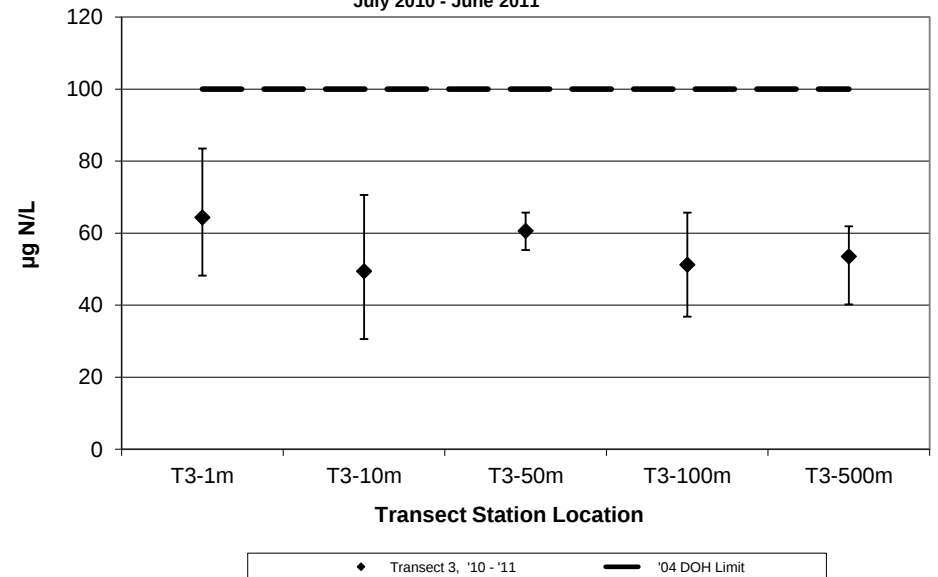
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean, July 2010 - June 2011



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2010 - June 2011



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2010 - June 2011

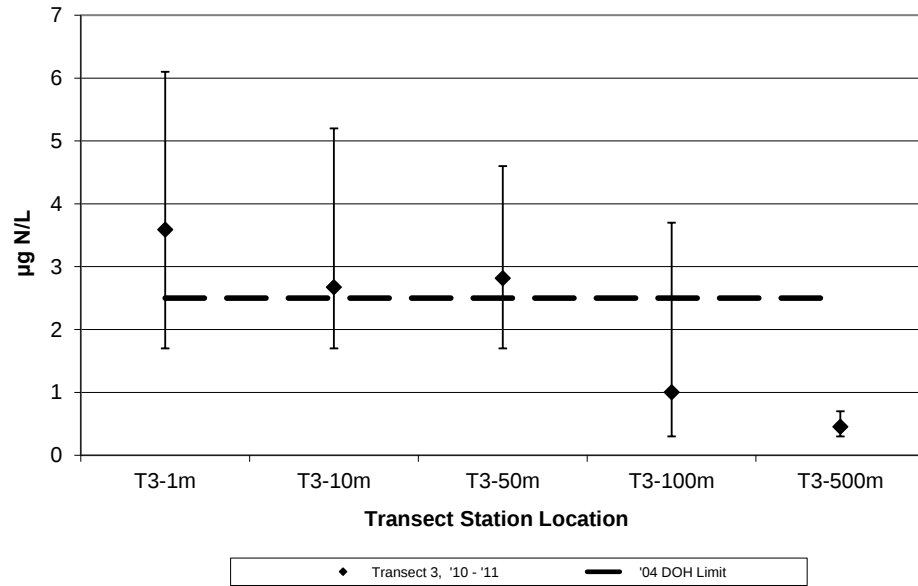


NELHA Water Quality Laboratory

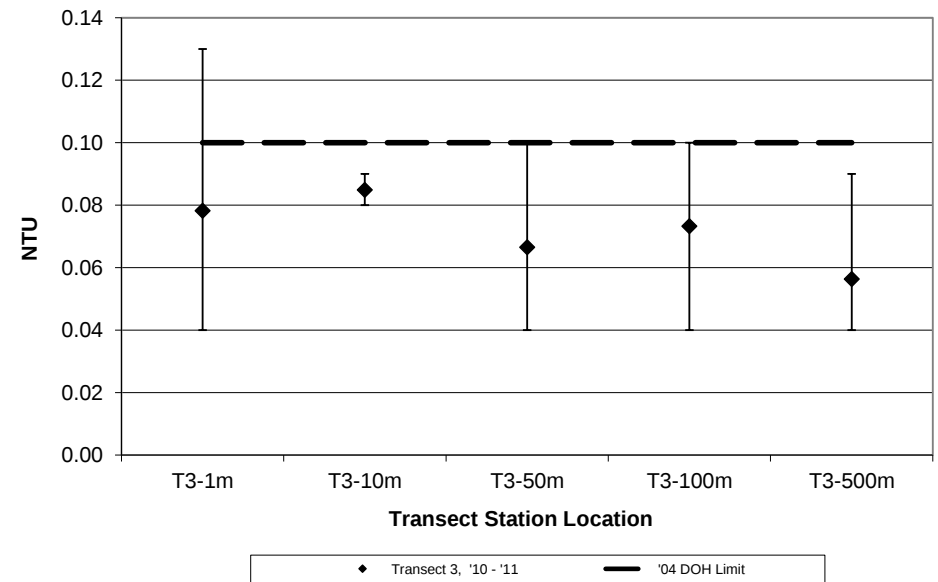
Transect 3

July 2011 - June 2012

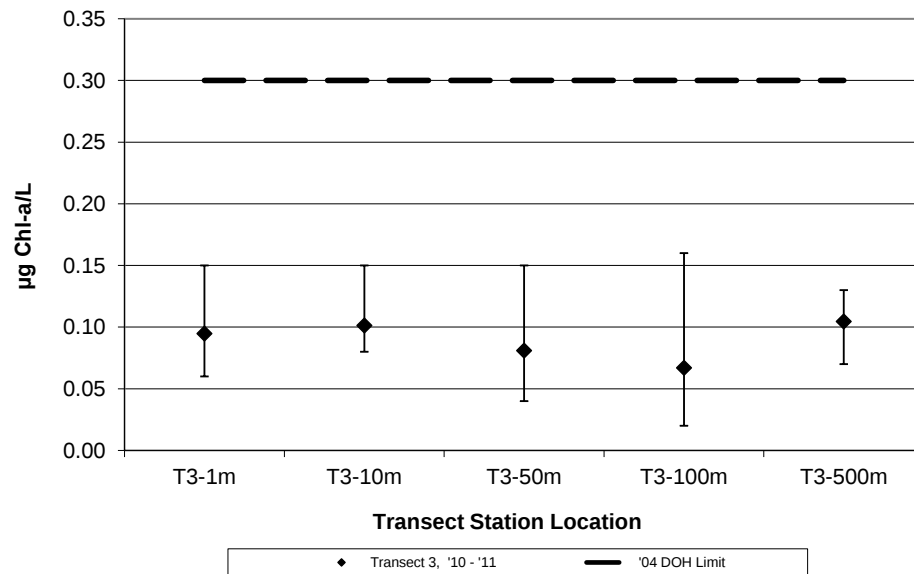
Transect 3 Station Summary
Ammonia Geometric Mean, July 2010 - June 2011



Transect 3 Station Summary
Turbidity Geometric Mean, July 2010 - June 2011



Transect 3 Station Summary
Chlorophyll-a Geometric Mean, July 2010 - June 2011



NELHA Water Quality Laboratory

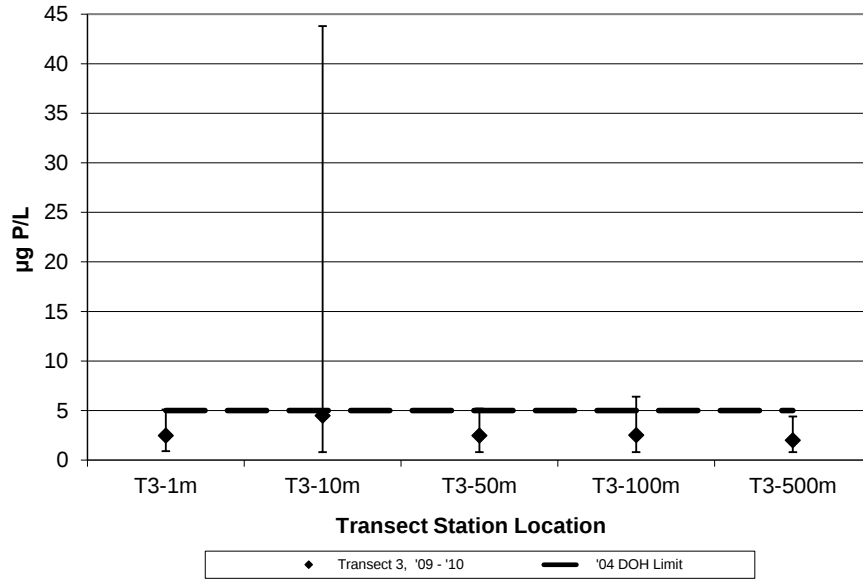
Transect 3

July 2009 - June 2010

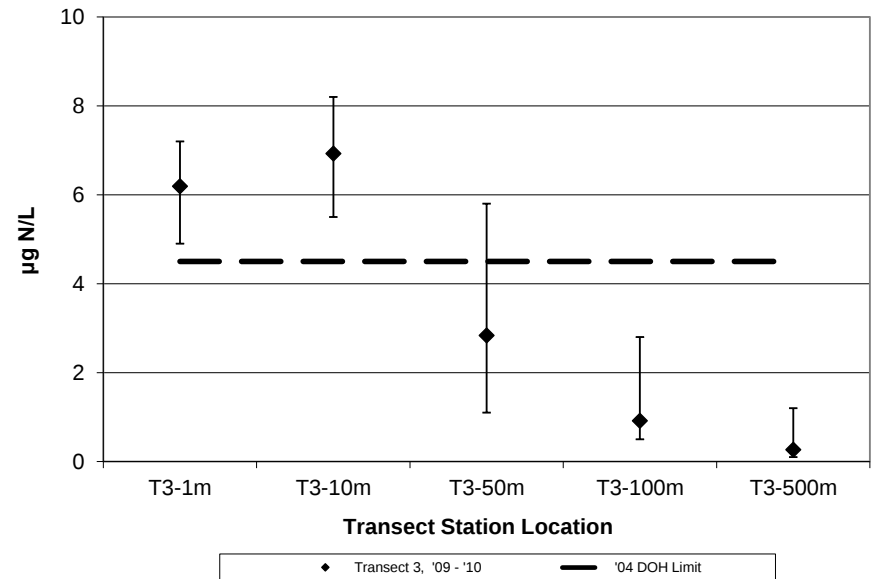
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO4 (µM) (µg P/L)		NO3+NO2 (µM) (µg N/L)		NH3 (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	9/9/09	1031	1.5 Ebb	0.15	4.7	0.46	6.5	0.12	1.7	6.5	183	0.63	19.5	5.1	72	0.07	35.22	27.1	8.22	5.80	0.27
T3-1m	11/23/09	1040	1.6 Ebb	0.03	0.9	0.51	7.2	0.09	1.3	46.6	1309	0.37	11.6	5.3	75	0.07	35.23	25.1	8.28	6.60	0.11
T3-1m	2/23/10	1043	0.4 Flood	0.16	5.1	0.35	4.9	0.41	5.8	17.5	491	0.33	10.3	6.4	90	0.10	35.02	24.6	8.20	6.36	0.35
T3-1m	5/25/10	952	0.3 Flood	0.05	1.7	0.46	6.4	0.29	4.1	6.1	172	0.33	10.3	5.6	78	0.06	34.94	25.0	8.21	6.98	0.05
Geomean 09/10				0.08	2.5	0.44	6.2	0.2	2.7			0.4	12.4	5.6	78	0.07					0.15
T3-10m	9/9/09	1039	1.6 Ebb	1.41	43.8	0.59	8.2	1.09	15.3	5.5	154	0.54	16.7	5.2	73	0.08	35.25	27.1	8.22	5.55	0.17
T3-10m	11/23/09	1045	1.6 Ebb	0.03	0.8	0.58	8.1	0.29	4.1	9.1	255	0.41	12.8	5.3	75	0.07	35.23	25.1	8.30	6.56	0.13
T3-10m	2/23/10	1047	0.4 Flood	0.19	5.8	0.39	5.5	0.49	6.8	17.4	489	0.39	12.0	6.4	89	0.08	35.08	24.6	8.18	6.31	0.2
T3-10m	5/25/10	957	0.3 Flood	0.06	2.0	0.45	6.3	0.18	2.5	11.1	311	0.30	9.4	4.5	63	0.08	34.95	25.0	8.21	7.00	0.1
Geomean 09/10				0.14	4.5	0.49	6.9	0.41	5.7			0.40	12.5	5.3	74	0.08					0.14
T3-50m	9/9/09	1046	1.6 Ebb	0.16	4.9	0.08	1.1	0.35	4.9	4.6	129	0.53	16.3	5.1	71	0.02	35.24	27.5	8.22	5.46	0.10
T3-50m	11/23/09	1050	1.6 Ebb	0.03	0.8	0.26	3.6	0.11	1.5	11.7	328	0.44	13.5	4.2	59	0.06	35.24	25.3	8.30	6.32	0.08
T3-50m	2/23/10	1056	0.4 Flood	0.17	5.2	0.20	2.8	0.44	6.1	14.4	404	0.40	12.5	6.3	88	0.16	35.10	24.7	8.17	6.10	0.37
T3-50m	5/25/10	1002	0.3 Flood	0.06	1.8	0.41	5.8	0.11	1.5	2.8	79	0.29	9.1	4.3	60	0.05	34.97	25.0	8.21	6.96	0.09
Geomean 09/10				0.08	2.5	0.20	2.8	0.20	2.9			0.41	12.6	4.9	69	0.06					0.13
T3-100m	9/9/09	1056	1.7 Ebb	0.21	6.4	0.04	0.5	0.16	2.2	7.4	209	0.56	17.5	5.5	77	0.06	35.20	27.6	8.21	5.48	0.11
T3-100m	11/23/09	1100	1.6 Ebb	0.03	0.8	0.07	1.0	0.14	1.9	28.6	803	0.41	12.6	4.9	69	0.04	35.25	25.4	8.28	6.23	0.17
T3-100m	2/23/10	1100	0.4 Flood	0.15	4.6	0.04	0.5	0.34	4.8	9.9	277	0.40	12.5	6.2	87	0.15	35.09	24.9	8.17	6.14	0.44
T3-100m	5/25/10	1007	0.4 Flood	0.05	1.7	0.20	2.8	0.05	0.7	2.0	56	0.29	8.9	4.9	69	0.13	35.00	25.0	8.22	6.94	0.08
Geomean 09/10				0.08	2.5	0.07	0.9	0.14	1.9			0.40	12.5	5.4	75	0.08					0.16
T3-500m	9/9/09	1100	1.7 Ebb	0.14	4.4	0.03	0.4	0.07	1.0	5.9	165	0.56	17.4	5.86	82	0.11	35.24	27.7	8.20	5.33	0.19
T3-500m	11/23/09	1109	1.5 Ebb	0.03	0.8	0.09	1.2	0.01	0.1	22.5	632	0.44	13.5	4.75	67	0.06	35.24	25.4	8.28	6.26	0.09
T3-500m	2/23/10	1109	0.4 Flood	0.14	4.4	0.01	0.1	0.39	5.5	9.7	271	0.39	12.2	6.40	90	0.08	35.08	24.9	8.18	5.94	0.36
T3-500m	5/25/10	1012	0.4 Flood	0.03	1.0	0.01	0.1	0.14	2.0	1.4	40	0.26	8.1	4.80	67	0.08	35.04	25.2	8.22	6.85	0.05
Geomean 09/10				0.06	2.0	0.02	0.3	0.07	1.0			0.40	12.3	5.4	76	0.08					0.13

NELHA Water Quality Laboratory
Transect 3
July 2009 - June 2010

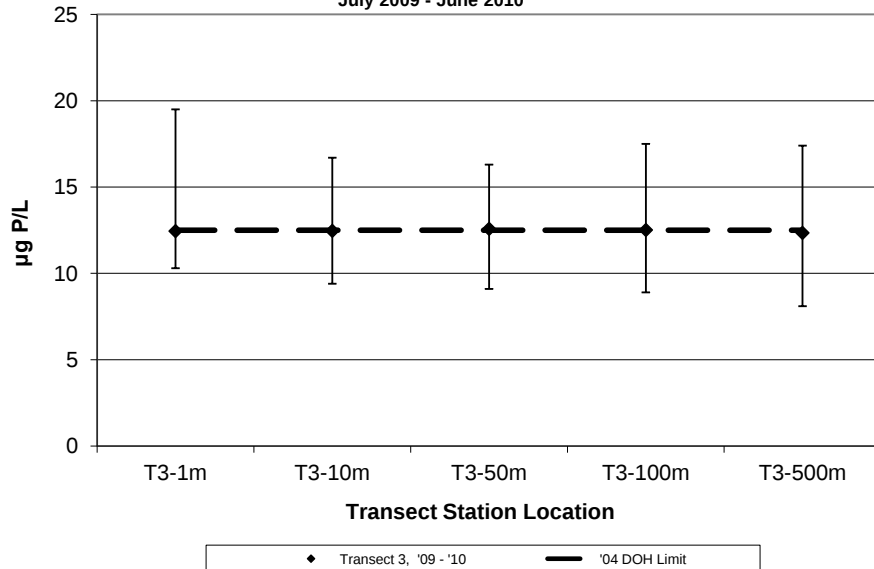
Transect 3 Station Summary
Ortho-Phosphate Geometric Mean, July 2009 - June 2010



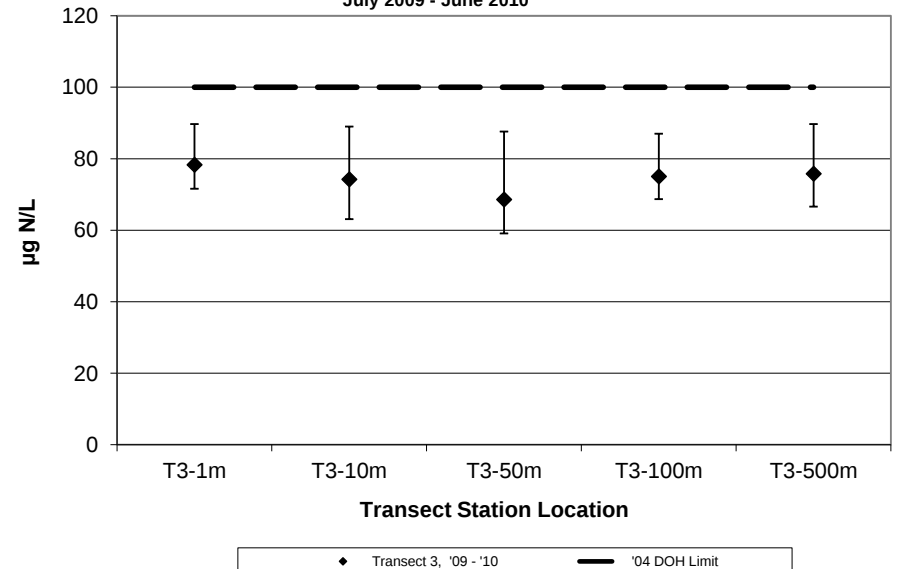
Transect 3 Station Summary
Nitrate + Nitrite Geometric Mean, July 2009 - June 2010



Transect 3 Station Summary
Total Dissolved Phosphorous Geometric Mean
July 2009 - June 2010



Transect 3 Station Summary
Total Dissolved Nitrogen Geometric Mean
July 2009 - June 2010

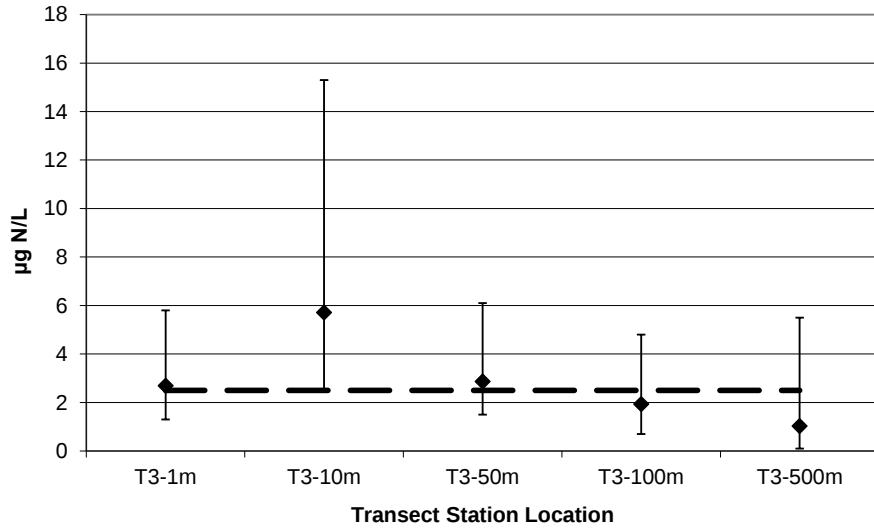


NELHA Water Quality Laboratory

Transect 3

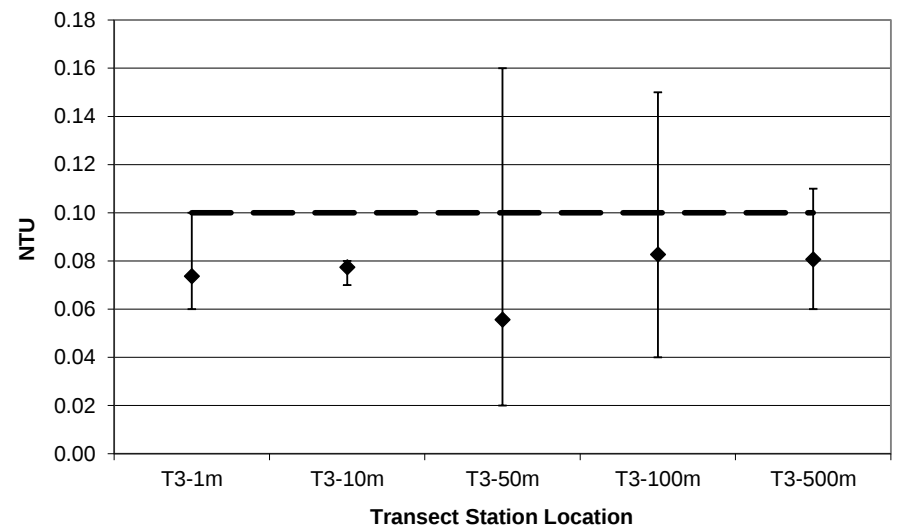
July 2009 - June 2010

Transect 3 Station Summary
Ammonia Geometric Mean, July 2009 - June 2010



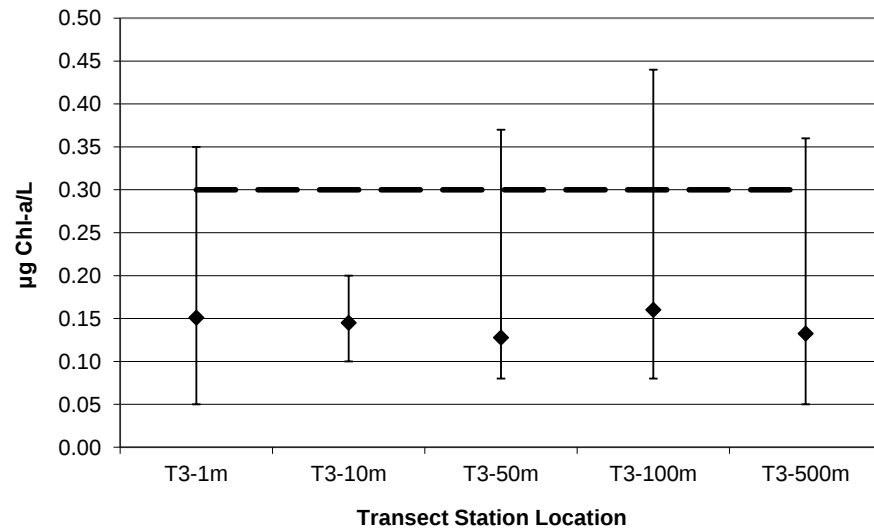
◆ Transect 3, '09 - '10 — '04 DOH Limit

Transect 3 Station Summary
Turbidity Geometric Mean, July 2009 - June 2010



◆ Transect 3, '09 - '10 — '04 DOH Limit

Transect 3 Station Summary
Chlorophyll-a Geometric Mean, July 2009 - June 2010



◆ Transect 3, '09 - '10 — '04 DOH Limit

NELHA Water Quality Laboratory

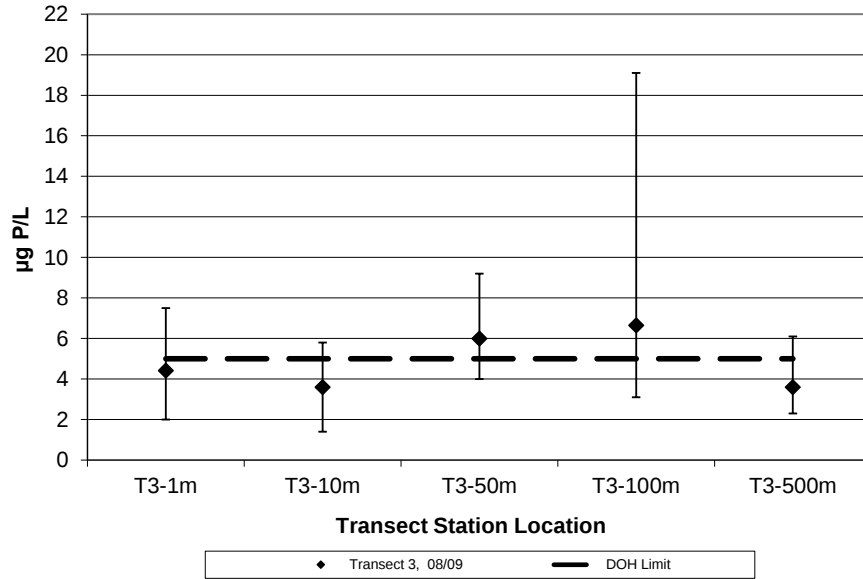
Transect 3

July 2008 - June 2009

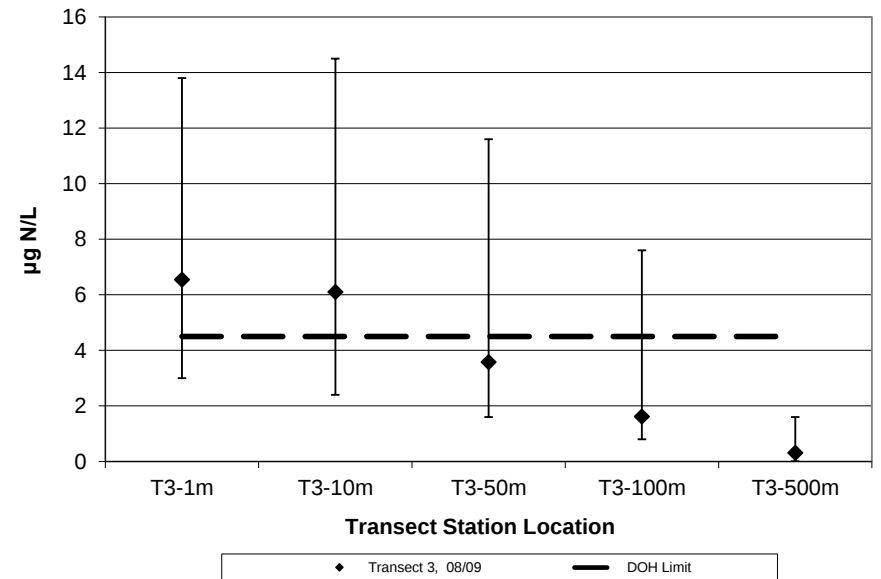
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO4 (µM) (µg P/L)		NO3+NO2 (µM) (µg N/L)		NH3 (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
DOH LIMIT				0.16	5	0.32	4.5	0.18	2.5			0.40	12.5	7.1	100	0.10					0.30
T3-1m	09/22/08	1143	2.2 High	0.06	2.0	0.24	3.3	0.31	4.3	1.9	54	0.26	8.1	4.8	67	0.06	34.853	26.9	8.06	6.62	0.04
T3-1m	11/17/08	1026	1.4 Ebb	0.14	4.2	0.21	3.0	0.14	1.9	2.5	71	0.29	8.9	4.1	58	0.12	34.955	26.0	8.26	6.25	0.04
T3-1m	2/9/09	1031	-0.1 Low	0.19	6.0	0.99	13.8	0.12	1.7	3.2	91	0.39	12.0	11.2	157	0.08	35.600	25.0	8.06	6.50	0.06
T3-1m	4/13/09	1012	0.2 Ebb	0.24	7.5	0.96	13.4	0.31	4.4	3.8	106	0.57	17.6	5.6	78	0.10	34.955	23.9	8.19	6.20	0.07
Geomean	08/09			0.14	4.4	0.47	6.5	0.2	2.8			0.4	11.1	5.9	83	0.09					0.05
T3-10m	09/22/08	1149	2.2 High	0.05	1.4	0.17	2.4	0.15	2.1	1.8	51	0.32	10	5.0	70	0.12	34.829	26.7	8.05	6.58	0.06
T3-10m	11/17/08	1029	1.4 Ebb	0.19	5.8	0.20	2.8	0.14	1.9	2.9	82	0.36	11.3	4.7	66	0.08	34.960	25.9	8.27	6.20	0.01
T3-10m	2/9/09	1037	-0.1 Low	0.14	4.2	1.01	14.2	0.12	1.7	4.5	126	0.33	10.2	10.6	149	0.08	35.059	25.0	8.06	6.39	0.04
T3-10m	4/13/09	1017	0.2 Ebb	0.16	4.9	1.04	14.5	1.72	24.1	3.9	109	0.50	15.4	10.4	146	0.10	34.936	23.8	8.19	6.36	0.11
Geomean	08/09			0.12	3.6	0.44	6.1	0.26	3.6			0.37	11.5	7.1	100	0.09					0.04
T3-50m	09/22/08	1154	2.2 High	0.30	9.2	0.11	1.6	0.16	2.2	2.3	64	0.76	23.6	4.0	57	0.16	34.830	26.6	8.04	6.34	0.09
T3-50m	11/17/08	1035	1.4 Ebb	0.16	5.0	0.16	2.2	0.14	1.9	2.4	66	0.37	11.5	6.1	86	0.09	34.968	26.2	8.26	5.75	0.02
T3-50m	2/9/09	1043	-0.1 Low	0.13	4.0	0.83	11.6	0.12	1.7	3.1	86	0.25	7.8	5.4	76	0.14	35.066	24.9	8.05	6.23	0.07
T3-50m	4/13/09	1021	0.2 Ebb	0.23	7.0	0.29	4.0	0.25	3.5	2.9	83	0.50	15.4	6.0	84	0.10	34.940	23.9	8.20	6.80	0.07
Geomean	08/09			0.19	6.0	0.26	3.6	0.16	2.2			0.43	13.4	5.3	75	0.12					0.05
T3-100m	09/22/08	1159	2.2 High	0.62	19.1	0.06	0.8	0.10	1.4	1.9	55	1.54	47.7	4.9	68	0.11	34.805	26.7	8.03	6.52	0.07
T3-100m	11/17/08	1040	1.3 Ebb	0.16	4.9	0.06	0.8	0.14	1.9	2.1	59	0.39	12.1	5.8	81	0.08	34.974	26.2	8.27	6.10	0.05
T3-100m	2/9/09	1048	-0.1 Low	0.10	3.1	0.54	7.6	0.12	1.7	2.2	62	0.23	7.0	5.2	73	0.08	35.094	25.1	8.05	6.27	0.02
T3-100m	4/13/09	1026	0.2 Ebb	0.22	6.7	0.10	1.4	0.26	3.7	2.9	82	0.47	14.6	4.6	65	0.10	34.946	24.0	8.19	6.56	0.02
Geomean	08/09			0.21	6.6	0.12	1.6	0.14	2.0			0.50	15.6	5.1	71	0.09					0.03
T3-500m	09/22/08	1207	2.2 High	0.09	2.7	0.03	0.4	0.04	0.6	1.5	41	0.37	11.5	4.82	68	0.07	34.865	27.0	8.04	6.29	0.06
T3-500m	11/17/08	1048	1.3 Ebb	0.14	4.4	0.00	0.0	0.14	1.9	1.6	46	0.37	11.5	5.48	77	0.26	34.966	26.4	8.26	6.03	0.03
T3-500m	2/9/09	1059	-0.1 Low	0.07	2.3	0.10	1.4	0.12	1.7	2.2	62	0.26	8.0	5.84	82	0.08	35.106	25.0	8.06	5.97	0.01
T3-500m	4/13/09	1034	0.2 Ebb	0.20	6.1	0.11	1.6	0.56	7.9	3.2	89	0.49	15.1	5.48	77	0.10	34.971	24.0	8.20	6.51	0.04
Geomean	08/09			0.12	3.6	0.02	0.3	0.14	2.0			0.36	11.2	5.4	76	0.11					0.03

NELHA Water Quality Laboratory
Transect 3
July 2008 - June 2009

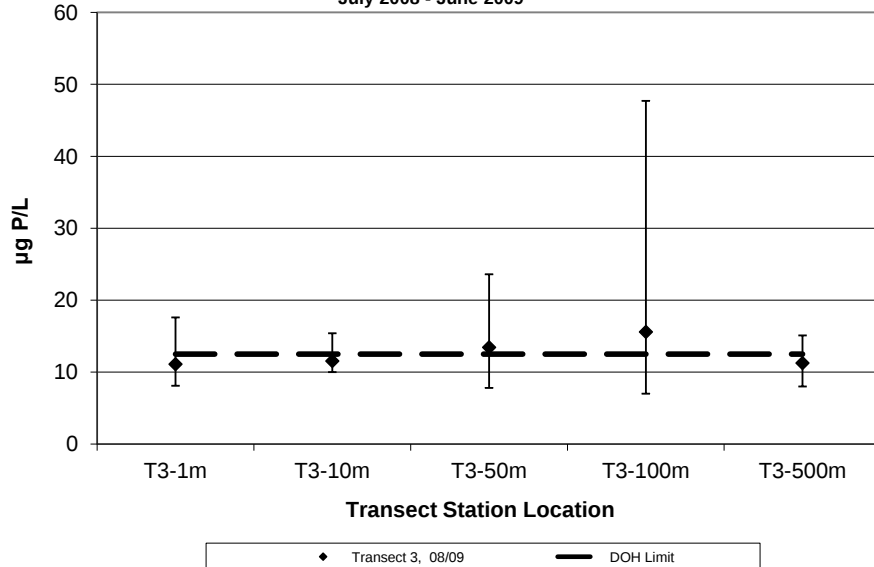
Transect 3 Station Summary
 Ortho-Phosphate Geometric Mean, July 2008 - June 2009



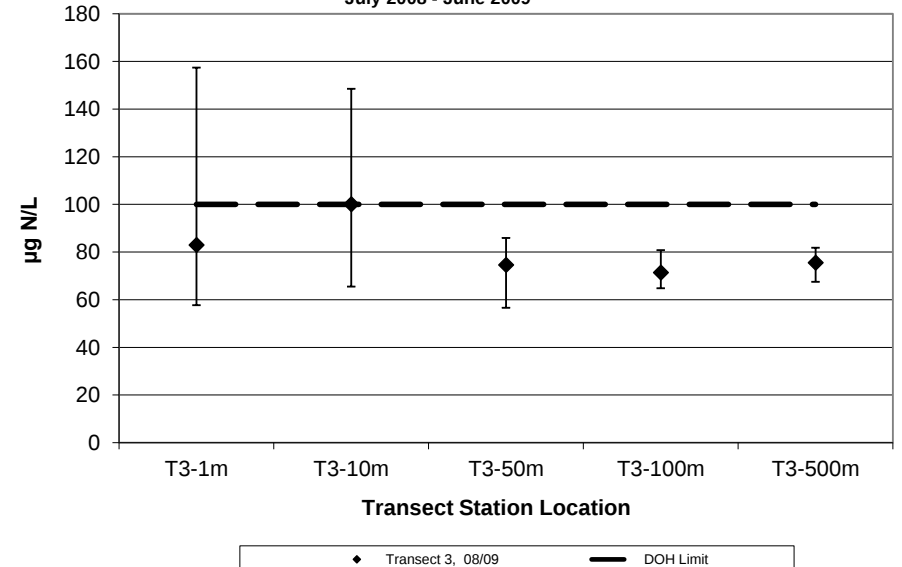
Transect 3 Station Summary
 Nitrate + Nitrite Geometric Mean, July 2008 - June 2009



Transect 3 Station Summary
 Total Dissolved Phosphorous Geometric Mean
 July 2008 - June 2009



Transect 3 Station Summary
 Total Dissolved Nitrogen Geometric Mean
 July 2008 - June 2009

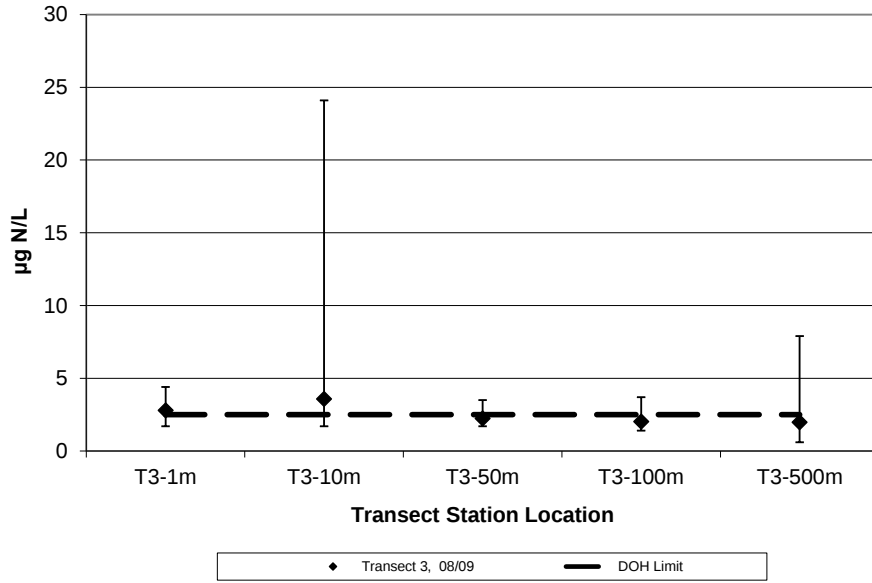


NELHA Water Quality Laboratory

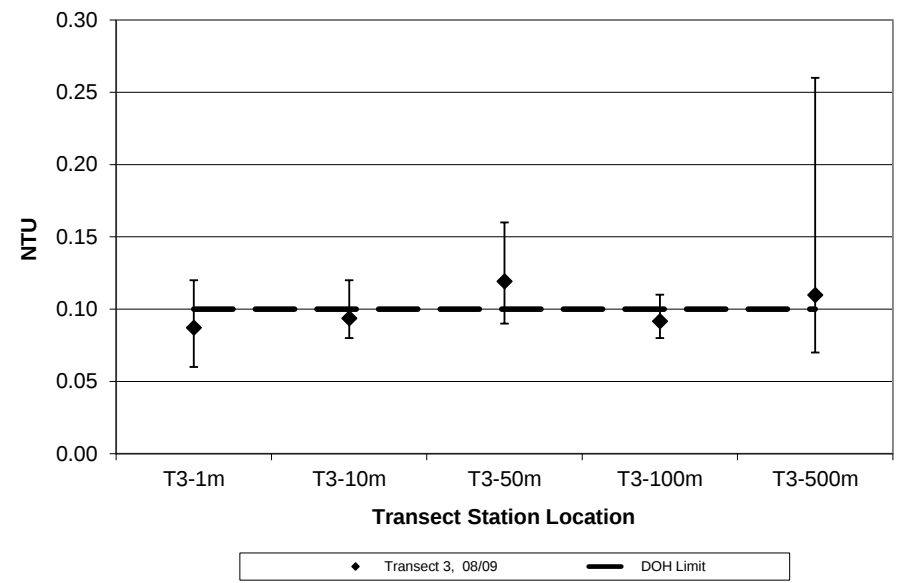
Transect 3

July 2008 - June 2009

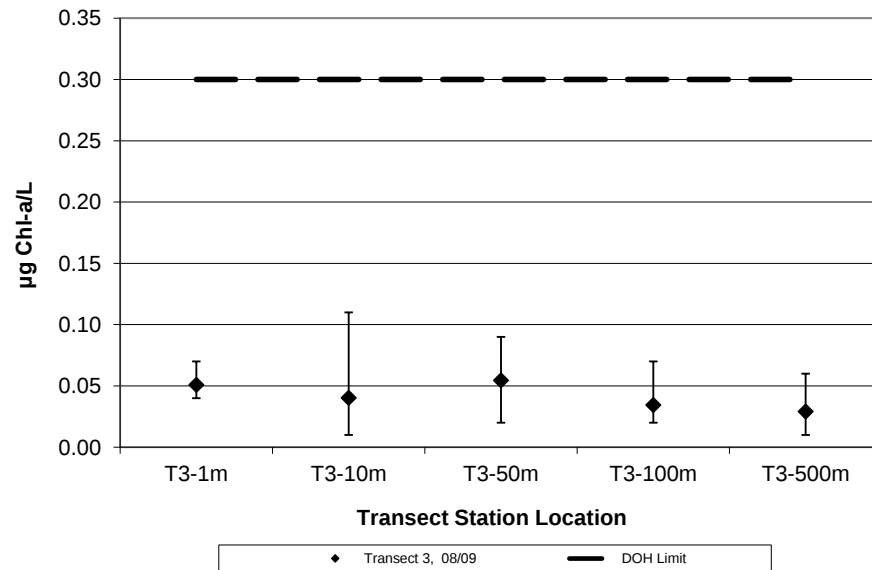
Transect 3 Station Summary
Ammonia Geometric Mean, July 2008 - June 2009



Transect 3 Station Summary
Turbidity Geometric Mean, July 2008 - June 2009



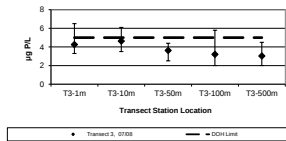
Transect 3 Station Summary
Chlorophyll-a Geometric Mean, July 2008 - June 2009



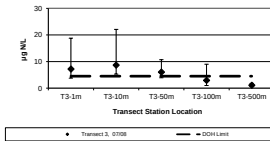
NELHA Water Quality Laboratory
FY 07/08, Transect 3

SITE ID	DATE MD/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						0.3						
T3-1m	9/26/07	1032	0.15	4.6	0.43	6.0	0.38	5.3	5.8	162	0.37	11.6	5.6	79	0.12	34.961	26.8	8.25	6.63	0.10
T3-1m	12/13/07	1159	0.11	3.3	0.44	6.2			8.8	247	0.36	11.0	7.1	99	0.16	34.688	25.7	8.30	6.78	0.25
T3-1m	3/10/08	1048	0.21	6.5	1.34	18.8	0.06	0.8	5.8	162	0.41	12.6	8.7	123	0.43	34.865	24.8	8.17	6.92	0.24
T3-1m	6/5/08	1054	0.11	3.3	0.27	3.8	0.16	2.2	19.0	533	0.21	6.4	9.8	138	0.06	34.812	25.1	8.18	6.79	0.35
Geomean	07/08		0.14	4.2	0.51	7.2	0.2	2.1			0.3	10.1	7.6	107	0.11					0.21
T3-10m	9/26/07	1041	0.16	5.0	0.41	5.7	0.40	5.6	16.0	449	0.39	12.0	5.5	78	0.10	34.974	26.8	8.21	6.47	0.15
T3-10m	12/13/07	1203	0.11	3.5	0.59	6.3			6.5	181	0.37	11.5	5.6	79	0.09	34.658	25.8	8.25	6.70	0.24
T3-10m	3/10/08	1050	0.20	6.1	1.58	22.1	0.06	0.8	9.6	271	0.43	13.2	7.5	106	0.19	34.948	24.8	8.18	6.97	0.29
T3-10m	6/5/08	1055	0.14	4.3	0.38	5.3	0.16	2.2	24.1	676	0.22	6.7	6.5	91	0.05	34.799	25.1	8.17	6.68	0.29
Geomean	07/08		0.15	4.6	0.62	8.6	0.15	2.1			0.34	10.5	6.2	87	0.10					0.17
T3-50m	9/26/07	1047	0.12	3.7	0.37	5.2	0.44	6.2	4.0	113	0.42	13.0	8.7	121	0.11	34.964	26.8	8.22	6.35	0.07
T3-50m	12/13/07	1206	0.08	2.5	0.28	3.9			8.3	232	0.37	11.6	5.6	78	0.08	34.694	25.9	8.23	6.54	0.25
T3-50m	3/10/08	1053	0.14	4.4	0.76	10.7	0.06	0.8	22.9	644	0.42	13.1	7.1	99	0.50	34.872	24.9	8.17	6.83	0.24
T3-50m	6/5/08	1057	0.14	4.2	0.44	6.1	0.16	2.2	15.6	437	0.32	9.8	10.6	149	0.05	34.797	25.3	8.15	6.68	0.20
Geomean	07/08		0.12	3.6	0.43	6.0	0.16	2.2			0.38	11.8	7.8	109	0.11					0.21
T3-100m	9/26/07	1056	0.13	4.1	0.31	4.4	0.31	4.3	5.9	165	0.37	11.4	6.7	94	0.09	34.943	26.9	8.23	6.42	0.10
T3-100m	12/13/07	1212	0.07	2.2	0.07	1.0			8.3	147	0.36	11.1	5.2	73	0.08	34.730	26.0	8.23	6.34	0.25
T3-100m	3/10/08	1056	0.19	5.8	0.64	9.0	0.06	0.8	3.8	107	0.31	9.6	7.2	101	0.12	34.894	24.9	8.18	6.76	0.26
T3-100m	6/5/08	1101	0.06	2.0	0.13	1.8	0.16	2.2	17.0	479	0.24	7.4	6.1	85	0.06	34.834	25.1	8.14	6.56	0.11
Geomean	07/08		0.10	3.2	0.21	2.9	0.14	2.0			0.31	9.7	6.2	87	0.08					0.16
T3-500m	9/26/07	1008	0.14	4.2	0.07	1.0	0.11	1.6	2.2	62	0.33	10.3	5.2	72	0.05	34.979	26.9	8.20	6.33	0.04
T3-500m	12/13/07	1220	0.07	2.2	0.07	1.0			2.9	81	0.39	12.1	4.8	68	0.12	34.775	26.2	8.20	6.23	0.43
T3-500m	3/10/08	1115	0.15	4.5	0.05	0.7	0.06	0.8	6.9	193	0.38	11.7	5.8	82	0.14	34.930	25.0	8.18	6.56	0.34
T3-500m	6/5/08	1104	0.06	2.0	0.13	1.8	0.16	2.2	10.4	293	0.24	7.3	5.5	77	0.06	34.788	25.6	8.13	6.52	0.11
Geomean	07/08		0.10	3.0	0.08	1.1	0.10	1.4			0.33	10.2	5.3	74	0.08					0.16

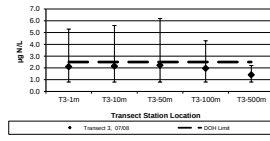
Ortho-Phosphate
Geometric Mean, July 2007 - June 2008
Transect 3



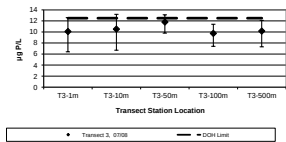
Nitrate + Nitrite
Geometric Mean, July 2007 - June 2008
Transect 3



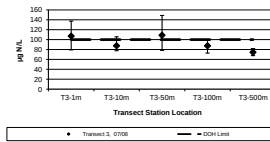
Ammonia
Geometric Mean, July 2007 - June 2008
Transect 3



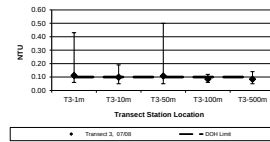
Total Dissolved Phosphorus
Geometric Mean, July 2007 - June 2008
Transect 3



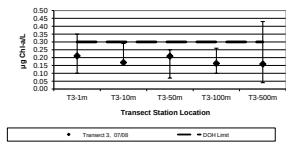
Total Dissolved Nitrogen
Geometric Mean, July 2007 - June 2008
Transect 3



Turbidity
Geometric Mean, July 2007 - June 2008
Transect 3



Chlorophyll-a
Geometric Mean, July 2007 - June 2008
Transect 3



Transect 3, 07/08

SITE ID	PO4		NO3+NO2		NH4		TDP		TDN		Turbidity		Chl a	
	limit	(µg P/L)	limit	(µg N/L)	limit	(µg N/L)	limit	(µg P/L)	limit	(µg N/L)	limit	(NTU)	limit	(µg/L)
T3-1m	5	4.2	4.5	7.2	2.5	2.1	12.5	10.1	100	107.1	0.1	0.11	0.3	0.21
T3-10m	5	4.6	4.5	8.6	2.5	2.1	12.5	10.5	100	87.4	0.1	0.10	0.3	0.17
T3-50m	5	3.6	4.5	6.0	2.5	2.2	12.5	11.8	100	108.9	0.1	0.11	0.3	0.21
T3-100m	5	3.2	4.5	2.9	2.5	2.0	12.5	9.7	100	87.5	0.1	0.08	0.3	0.16
T3-500m	5	3.0	4.5	1.1	2.5	1.4	12.5	10.2	100	74.4	0.1	0.08	0.3	0.16

PO4		NO3+NO2		NH4		TDP		TDN		Turbidity		Chl a		
Max/Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
T3-1m	2.25	0.95	11.62	3.38	3.19	1.31	2.53	3.67	30.36	28.04	0.32	0.05	0.14	0.11
T3-10m	1.47	1.13	13.47	3.33	3.46	1.34	2.69	3.81	18.07	9.93	0.09	0.05	0.12	0.02
T3-50m	0.78	1.12	4.67	2.13	3.98	1.42	1.30	2.00	39.92	30.48	0.39	0.06	0.04	0.14
T3-100m	2.60	1.20	6.09	1.91	2.34	1.16	1.66	2.34	13.05	14.45	0.04	0.02	0.10	0.06
T3-500m	1.48	1.02	0.74	0.36	0.79	0.61	1.94	2.86	7.49	6.81	0.06	0.03	0.27	0.12