

## **APPENDIX A - NELHA Ocean Transect Data Tables and Graphs**

### **Ocean Transect 1**

2015 – 2016 Summary Data Table & Graphs.....	Appendix A-T1-1
Station 1 Historical Data Table & Graphs.....	Appendix A-T1-S1-1
Station 2 Historical Data Table & Graphs.....	Appendix A-T1-S2-1
Station 3 Historical Data Table & Graphs.....	Appendix A-T1-S3-1
Station 4 Historical Data Table & Graphs.....	Appendix A-T1-S4-1
Station 5 Historical Data Table & Graphs.....	Appendix A-T1-S5-1

### **Ocean Transect 2**

2015 – 2016 Summary Data Table & Graphs.....	Appendix A-T2-1
Station 1 Historical Data Table & Graphs.....	Appendix A-T2-S1-1
Station 2 Historical Data Table & Graphs.....	Appendix A-T2-S2-1
Station 3 Historical Data Table & Graphs.....	Appendix A-T2-S3-1
Station 4 Historical Data Table & Graphs.....	Appendix A-T2-S4-1
Station 5 Historical Data Table & Graphs.....	Appendix A-T2-S5-1

### **Ocean Transect 3**

2015 – 2016 Summary Data Table & Graphs.....	Appendix A-T3-1
Station 1 Historical Data Table & Graphs.....	Appendix A-T3-S1-1
Station 2 Historical Data Table & Graphs.....	Appendix A-T3-S2-1
Station 3 Historical Data Table & Graphs.....	Appendix A-T3-S3-1
Station 4 Historical Data Table & Graphs.....	Appendix A-T3-S4-1
Station 5 Historical Data Table & Graphs.....	Appendix A-T3-S5-1

### **Ocean Transect 4**

2015 – 2016 Summary Data Table & Graphs.....	Appendix A-T4-1
Station 1 Historical Data Table & Graphs.....	Appendix A-T4-S1-1
Station 2 Historical Data Table & Graphs.....	Appendix A-T4-S2-1
Station 3 Historical Data Table & Graphs.....	Appendix A-T4-S3-1
Station 4 Historical Data Table & Graphs.....	Appendix A-T4-S4-1
Station 5 Historical Data Table & Graphs.....	Appendix A-T4-S5-1

### **Ocean Transect 5**

2015 – 2016 Summary Data Table & Graphs.....	Appendix A-T5-1
Station 1 Historical Data Table & Graphs.....	Appendix A-T5-S1-1
Station 2 Historical Data Table & Graphs.....	Appendix A-T5-S2-1
Station 3 Historical Data Table & Graphs.....	Appendix A-T5-S3-1
Station 4 Historical Data Table & Graphs.....	Appendix A-T5-S4-1
Station 5 Historical Data Table & Graphs.....	Appendix A-T5-S5-1

### **Ocean Transect 6**

2015 – 2016 Summary Data Table & Graphs.....	Appendix A-T6-1
Station 1 Historical Data Table & Graphs.....	Appendix A-T6-S1-1
Station 2 Historical Data Table & Graphs.....	Appendix A-T6-S2-1
Station 3 Historical Data Table & Graphs.....	Appendix A-T6-S3-1
Station 4 Historical Data Table & Graphs.....	Appendix A-T6-S4-1
Station 5 Historical Data Table & Graphs.....	Appendix A-T6-S5-1

NELHA Water Quality Laboratory

Transect 1

July 2015 - June 2016

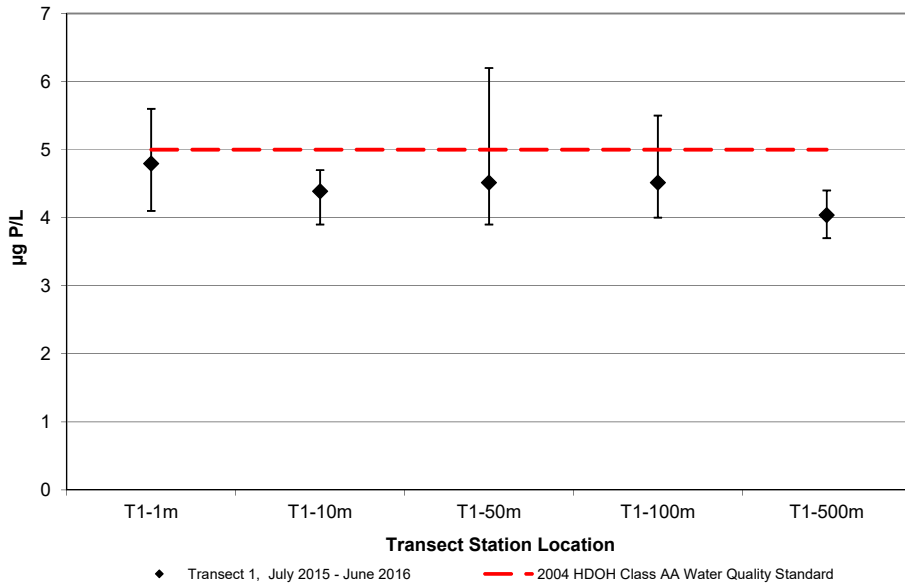
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
				(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>				0.16	<b>5</b>	0.32	<b>4.5</b>	0.18	<b>2.5</b>			0.40	<b>12.5</b>	7.1	<b>100</b>	<b>0.10</b>					<b>0.30</b>
T1-1m	8/26/15	1138	1.5 Flood	0.16	4.9	0.24	3.4	0.31	4.3	7.1	200	0.27	8.5	5.35	75	0.05	34.48	28.4	8.20	6.06	0.35
T1-1m	11/17/15	938	1.8 Ebb	0.18	5.6	0.42	5.9	0.16	2.3	6.2	174	0.54	16.8	5.47	77	0.07	33.81	27.4	8.21	6.53	0.20
T1-1m	3/1/16	938	0.8 Ebb	0.13	4.1	0.12	1.7	0.39	5.4	0.6	18	0.52	16.2	7.13	100	0.08	34.75	25.4	8.27	5.82	0.07
T1-1m	5/3/16	914	0.0 Flood	0.15	4.7	0.64	8.9	0.24	3.4	4.6	129	0.40	12.3	9.87	138	0.08	34.52	25.5	8.34	6.38	0.22
<b>Geomean</b>	<b>*15-16</b>			0.15	<b>4.8</b>	0.30	<b>4.2</b>	0.3	<b>3.7</b>			0.4	<b>13.0</b>	6.7	<b>94</b>	<b>0.07</b>					<b>0.18</b>
T1-10m	8/26/15	1144	1.5 Flood	0.13	3.9	0.26	3.7	0.31	4.4	7.3	205	0.13	4.1	5.41	76	0.04	34.49	28.4	8.21	6.08	0.32
T1-10m	11/17/15	943	1.8 Ebb	0.15	4.5	0.43	6.0	0.07	1.0	5.8	162	0.56	17.3	6.34	89	0.06	33.86	27.4	8.22	6.17	0.15
T1-10m	3/1/16	944	0.8 Ebb	0.15	4.5	0.13	1.8	0.33	4.6	0.1	2	0.48	14.9	5.61	79	0.07	34.77	25.4	8.24	5.71	0.08
T1-10m	5/3/16	921	0.0 Flood	0.15	4.7	0.80	11.2	0.21	2.9	4.1	115	0.34	10.6	5.81	81	0.08	34.56	25.5	8.27	6.22	0.25
<b>Geomean</b>	<b>*15-16</b>			0.14	<b>4.4</b>	0.33	<b>4.6</b>	0.20	<b>2.8</b>			0.33	<b>10.3</b>	5.8	<b>81</b>	<b>0.06</b>					<b>0.18</b>
T1-50m	8/26/15	1152	1.5 Flood	0.20	6.2	0.26	3.6	0.27	3.8	4.3	121	0.35	10.9	6.87	96	0.04	34.51	28.4	8.21	6.1	0.36
T1-50m	11/17/15	950	1.8 Ebb	0.13	4.0	0.44	6.2	0.22	3.1	3.8	107	0.52	16.0	5.56	78	0.07	33.90	27.3	8.26	6.12	0.13
T1-50m	3/1/16	952	0.8 Ebb	0.13	3.9	0.19	2.7	2.20	30.8	0.0	1	0.48	14.8	4.08	57	0.08	34.78	25.4	8.26	5.67	0.09
T1-50m	5/3/16	927	0.0 Flood	0.14	4.3	0.95	13.3	0.18	2.5	4.6	130	0.43	13.2	5.80	81	0.05	34.55	25.5	8.24	6.17	0.27
<b>Geomean</b>	<b>*15-16</b>			0.15	<b>4.5</b>	0.38	<b>5.3</b>	0.39	<b>5.5</b>			0.44	<b>13.6</b>	5.5	<b>77</b>	<b>0.06</b>					<b>0.18</b>
T1-100m	8/26/15	1157	1.5 Flood	0.13	4.0	0.28	3.9	0.21	2.9	5.1	142	0.40	12.4	3.81	53	0.03	34.44	28.4	8.21	6.03	0.43
T1-100m	11/17/15	956	1.8 Ebb	0.14	4.2	0.36	5.1	0.14	1.9	3.5	98	0.53	16.5	7.34	103	0.05	33.92	27.3	8.21	6.11	0.18
T1-100m	3/1/16	958	0.1 Ebb	0.15	4.5	0.29	4.1	0.31	4.4	0.6	17	0.47	14.5	5.36	75	0.07	34.77	25.4	8.24	5.68	0.08
T1-100m	5/3/16	931	0.0 Flood	0.18	5.5	1.30	18.2	0.21	3.0	8.5	240	0.42	12.9	7.32	103	0.07	34.57	25.5	8.23	6.26	0.29
<b>Geomean</b>	<b>*15-16</b>			0.15	<b>4.5</b>	0.44	<b>6.2</b>	0.21	<b>2.9</b>			0.45	<b>14.0</b>	5.8	<b>81</b>	<b>0.05</b>					<b>0.21</b>
T1-500m	8/26/15	1204	1.5 Flood	0.12	3.7	0.03	0.4	0.18	2.5	1.1	31	0.39	12.2	4.80	67	0.02	34.60	28.6	8.21	6.25	0.11
T1-500m	11/17/15	1004	1.8 Ebb	0.14	4.3	0.44	6.2	0.19	2.6	4.7	132	0.52	16.2	6.08	85	0.05	33.95	27.3	8.21	6.19	0.19
T1-500m	3/1/16	1005	0.1 Ebb	0.14	4.4	0.39	5.4	1.06	14.8	2.5	71	0.46	14.4	5.74	80	0.07	34.71	25.5	8.24	5.70	0.10
T1-500m	5/3/16	937	0.0 Flood	0.12	3.8	0.11	1.6	0.09	1.3	0.3	9	0.47	14.6	10.13	142	0.06	34.72	25.5	8.27	6.38	0.24
<b>Geomean</b>	<b>*15-16</b>			0.13	<b>4.0</b>	0.15	<b>2.2</b>	0.24	<b>3.3</b>			0.46	<b>14.3</b>	6.4	<b>90</b>	<b>0.05</b>					<b>0.15</b>

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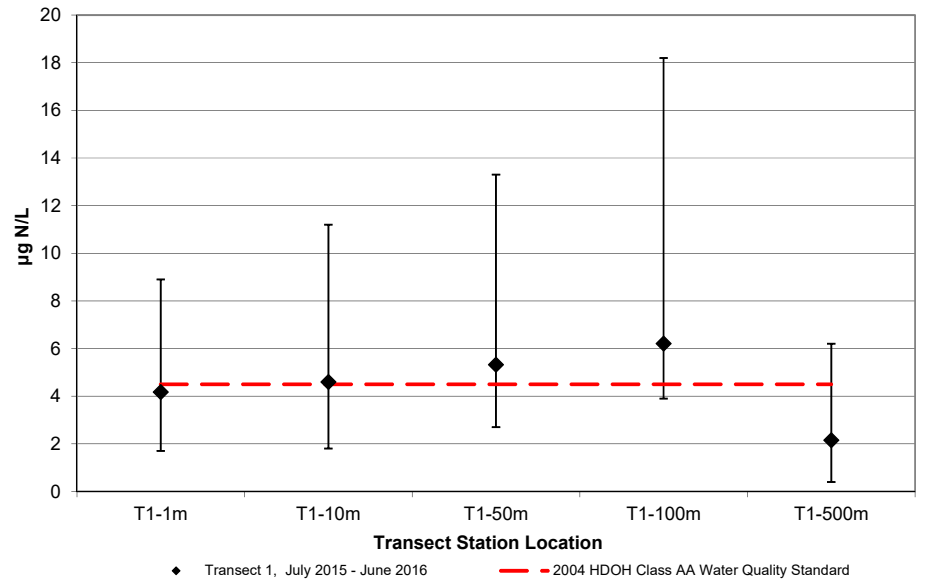
Transect 1

July 2015 - June 2016

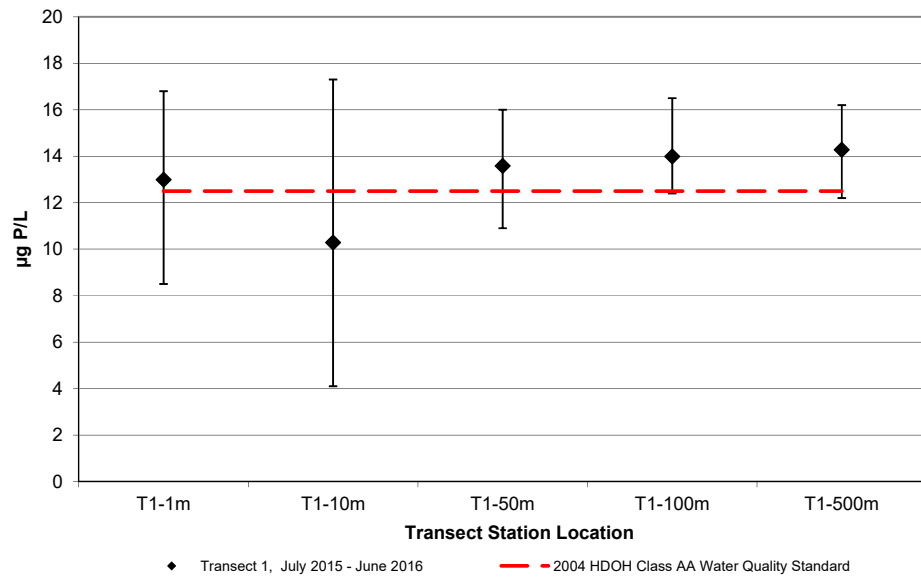
**Transect 1 Station Summary**  
Ortho-Phosphate Geometric Mean



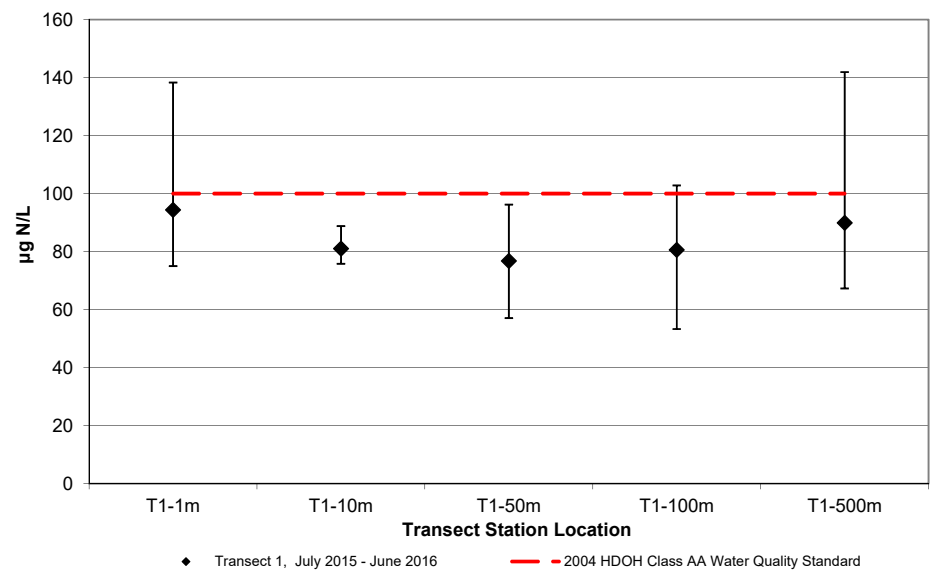
**Transect 1 Station Summary**  
Nitrate + Nitrite Geometric Mean



**Transect 1 Station Summary**  
Total Dissolved Phosphorous Geometric Mean



**Transect 1 Station Summary**  
Total Dissolved Nitrogen Geometric Mean

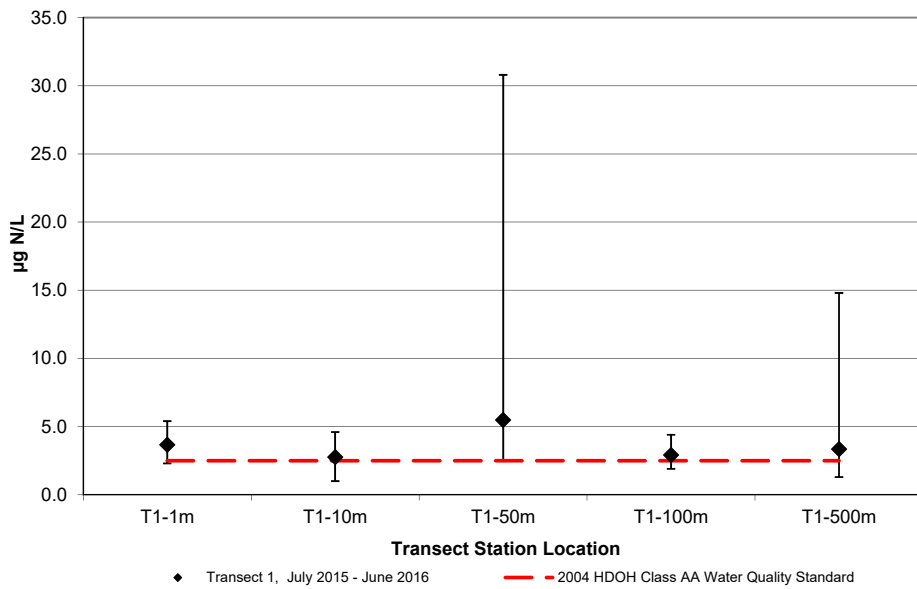


NELHA Water Quality Laboratory

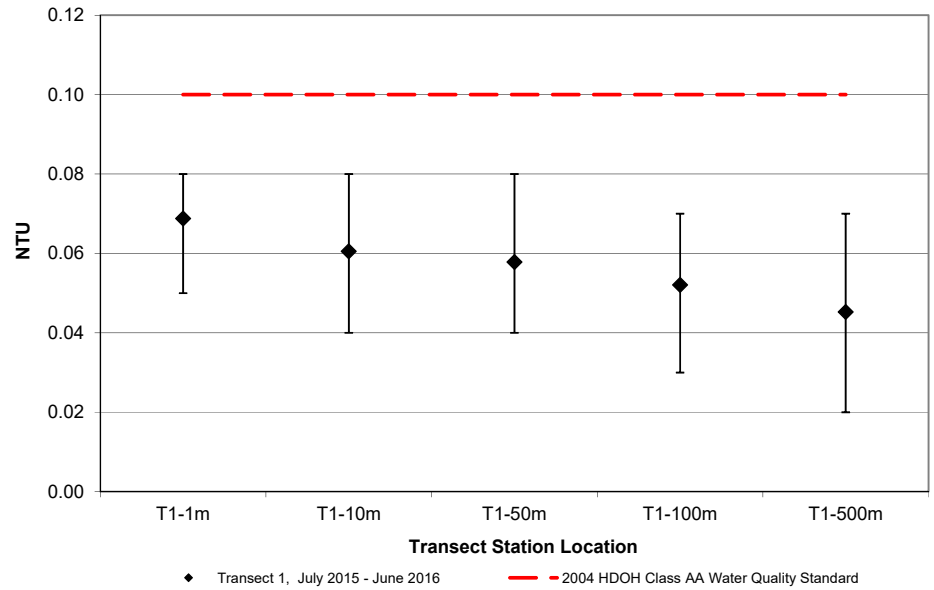
Transect 1

July 2015 - June 2016

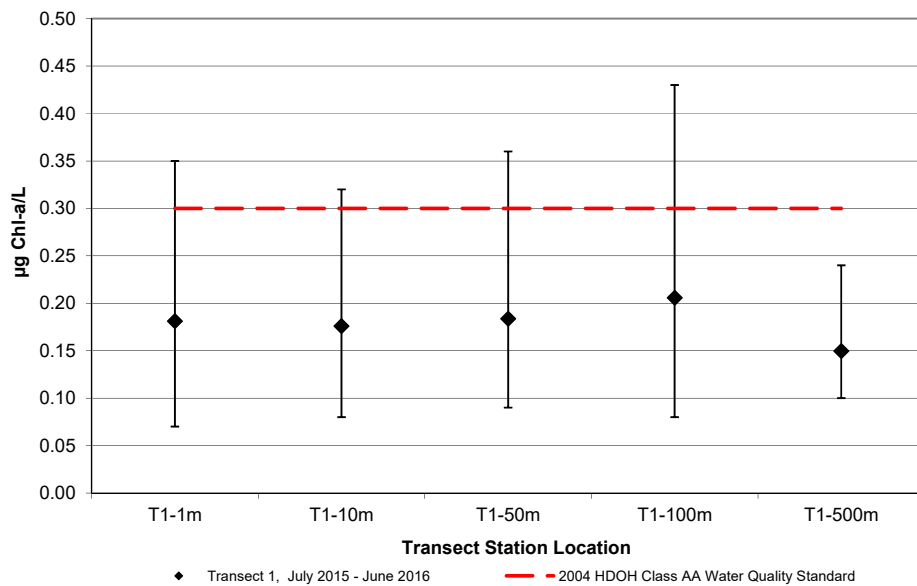
Transect 1 Station Summary  
Total Ammonia Geometric Mean



Transect 1 Station Summary  
Turbidity Geometric Mean



Transect 1 Station Summary  
Chlorophyll-a Geometric Mean







NELHA Water Quality Laboratory

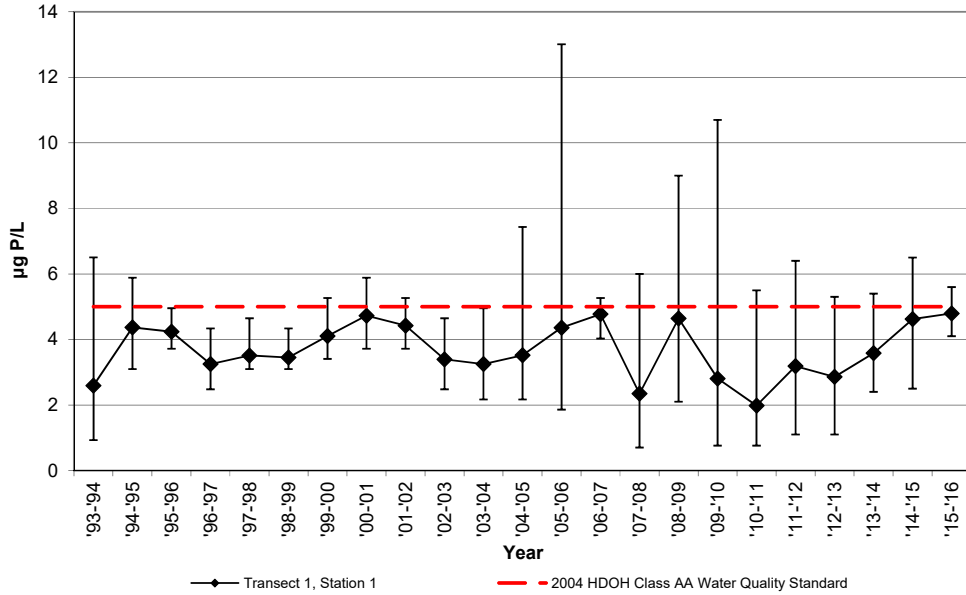
Transect 1, Station 1

July 1993 - June 2015

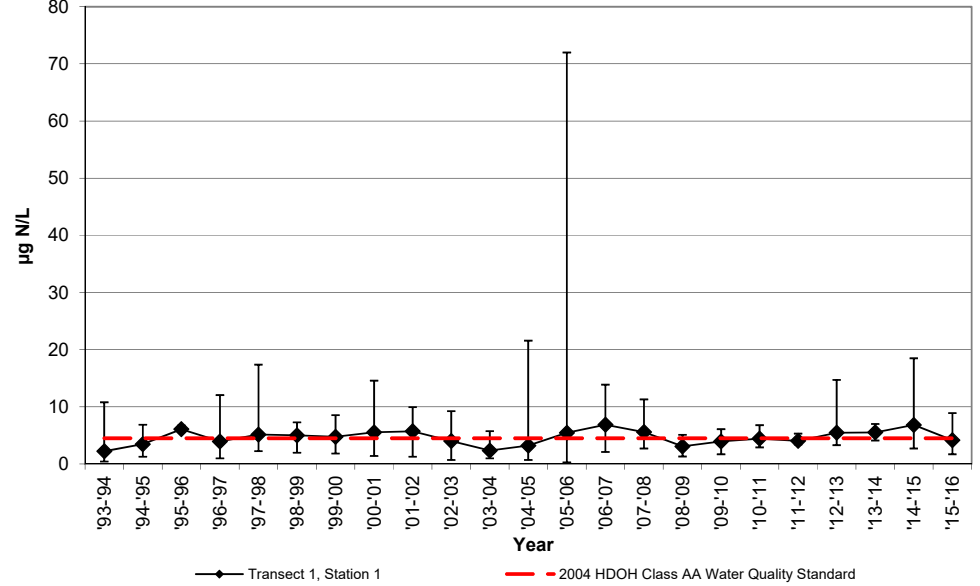
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		TP (µM) (µg P/L)	TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>				<b>0.10</b>					<b>0.30</b>		
T1-1m	7/26/11	944	0.21	6.4	0.38	5.3	0.10	1.4	2.8	80	0.52	16.1	4.1	58			0.05	34.76	25.86	8.25	6.36	0.09		
T1-1m	10/18/11	927	0.04	1.1	0.29	4.1	0.26	3.7	2.3	64	0.30	9.4	5.6	79			0.09	35.04	26.51	8.19	6.45	0.11		
T1-1m	1/25/12	949	0.11	3.4	0.26	3.6	0.08	1.1	3.1	86	0.42	13.1	4.7	66			0.10	35.00	24.65	8.18	6.72	0.11		
T1-1m	4/24/12	1014	0.14	4.3	0.24	3.4	0.29	4.1	2.6	73	0.43	13.2	3.5	50			0.11	35.10	24.71	8.20	6.56	0.13		
<b>Geomean</b>	<b>'11-'12</b>		<b>3.2</b>		<b>4.0</b>		<b>2.2</b>				<b>12.7</b>		<b>62</b>				<b>0.08</b>					<b>0.11</b>		
T1-1m	7/24/12	929	0.04	1.1	0.64	3.3	0.48	2.6	1.5	32	0.36	20.8	11.0	103			0.08	35.08	26.33	8.22	6.87	0.04		
T1-1m	11/27/12	931	0.12	3.7	1.20	14.7	0.32	5.2	8.6	221	0.44	13.9	6.2	80			0.07	35.04	25.00	8.20	6.83	0.30		
T1-1m	1/24/13	938	0.08	3.1	0.18	3.3	0.17	4.3	1.5	55	0.44	13.4	6.5	101			0.08	35.02	24.65	8.21	6.40	0.09		
T1-1m	4/16/13	939	0.15	5.3	0.38	5.6	0.17	1.1	1.0	27	0.48	15.4	6.9	89			0.07	35.15	24.87	8.21	7.04	0.08		
<b>Geomean</b>	<b>'12-'13</b>		<b>2.9</b>		<b>5.5</b>		<b>2.8</b>				<b>15.6</b>		<b>93</b>				<b>0.07</b>					<b>0.10</b>		
T1-1m	8/1/13	850	0.04	2.4	0.30	4.1	0.07	3.3	5.3	142	0.41	13.3	4.9	71			0.10	35.08	26.1	8.23	6.76	0.13		
T1-1m	10/29/13	928	0.16	3.1	0.21	4.9	0.34	5.0	1.9	70	0.43	16.9	6.1	130			0.04	35.28	27.0	8.25	6.21	0.17		
T1-1m	2/4/14	928	0.10	4.1	0.40	6.6	0.38	15.2	3.6	97	0.43	13.5	8.6	125			0.02	34.91	25.2	8.22	6.33	0.15		
T1-1m	5/6/14	923	0.16	5.4	0.59	7.0	0.56	5.5	3.5	105	0.45	15.7	6.3	129			0.09	34.69	25.8	8.21	6.59	0.16		
<b>Geomean</b>	<b>'13-'14</b>		<b>3.6</b>		<b>5.5</b>		<b>6.1</b>				<b>14.8</b>		<b>110</b>				<b>0.05</b>					<b>0.15</b>		
T1-1m	8/5/14	942	0.18	6.5	0.24	3.6	0.41	7.2	2.6	39	0.54	13.0	5.4	130			0.10	34.98	26.8	8.20	6.28	0.17		
T1-1m	11/17/14	1120	0.17	5.2	0.21	2.7	0.46	4.3	0.7	3	0.43	16.9	6.2	130			0.14	35.02	27.0	8.21	7.00	0.10		
T1-1m	3/3/15	931	0.02	2.5	0.36	12.1	0.07	4.3	2.9	116	0.32	11.2	8.0	108			0.09	34.78	25.5	8.15	6.85	0.18		
T1-1m	6/16/15	1037	0.16	5.4	1.49	18.5	0.27	9.1	11.0	226	0.55	9.1	6.5	106			0.08	33.88	26.4	8.21	6.33	0.20		
<b>Geomean</b>	<b>'14-'15</b>		<b>4.6</b>		<b>6.8</b>		<b>5.9</b>				<b>12.2</b>		<b>118</b>				<b>0.10</b>					<b>0.16</b>		
T1-1m	8/26/15	1138	0.12	4.9	0.03	3.4	0.18	4.3	1.1	200	0.39	8.5	4.8	75			0.05	34.48	28.4	8.20	6.06	0.35		
T1-1m	11/17/15	938	0.14	5.6	0.44	5.9	0.19	2.3	4.7	174	0.52	16.8	6.1	77			0.07	33.81	27.4	8.21	6.53	0.20		
T1-1m	3/1/16	938	0.14	4.1	0.39	1.7	1.06	5.4	2.5	18	0.46	16.2	5.7	100			0.08	34.75	25.4	8.27	5.82	0.07		
T1-1m	5/3/16	914	0.12	4.7	0.11	8.9	0.09	3.4	0.3	129	0.47	12.3	10.1	138			0.08	34.52	25.5	8.34	6.38	0.22		
<b>Geomean</b>	<b>'15-'16</b>		<b>4.8</b>		<b>4.2</b>		<b>3.7</b>				<b>13.0</b>		<b>94</b>				<b>0.07</b>					<b>0</b>		

NELHA Water Quality Laboratory  
 Transect 1, Station 1  
 July 1993 - June 2015

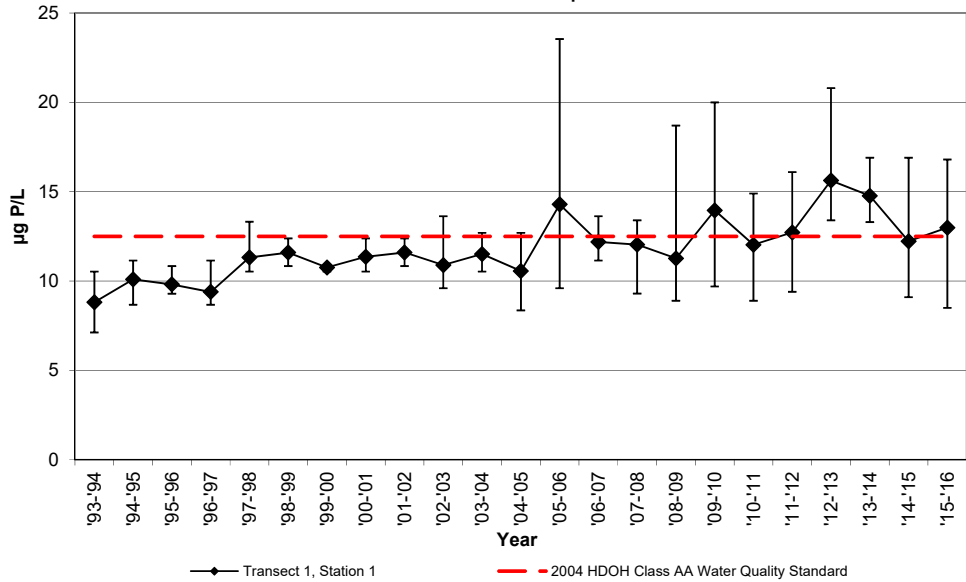
NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of Ortho-Phosphate



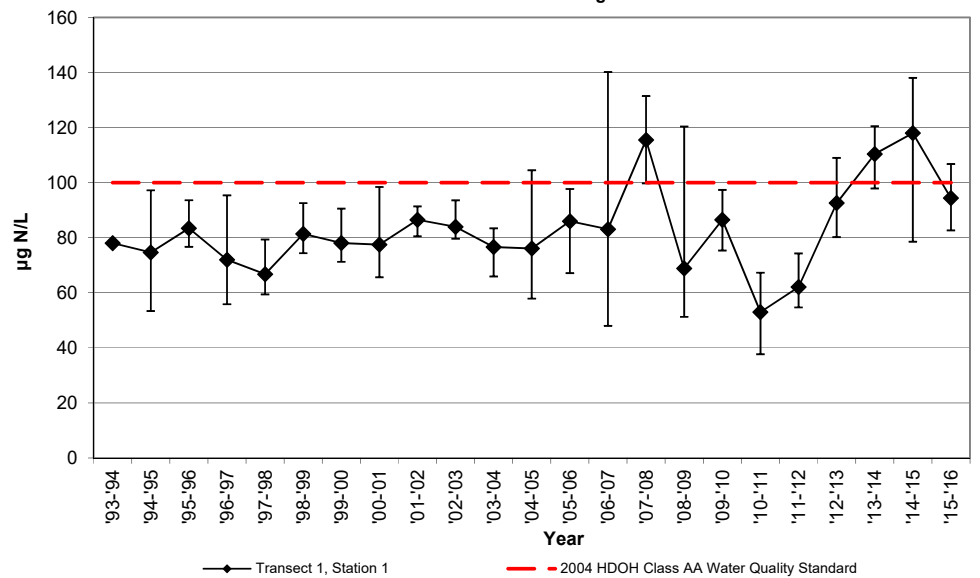
NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous



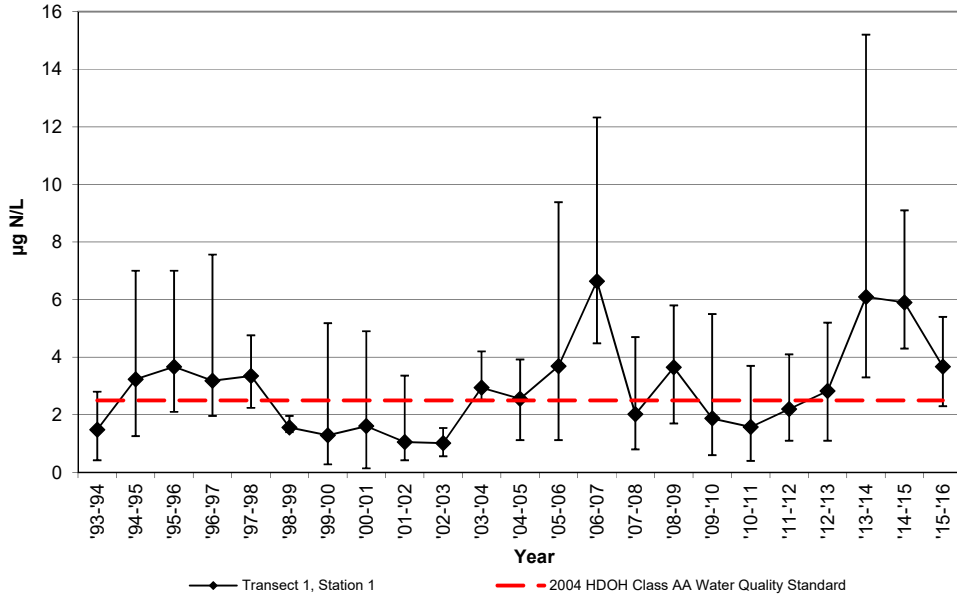
NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen



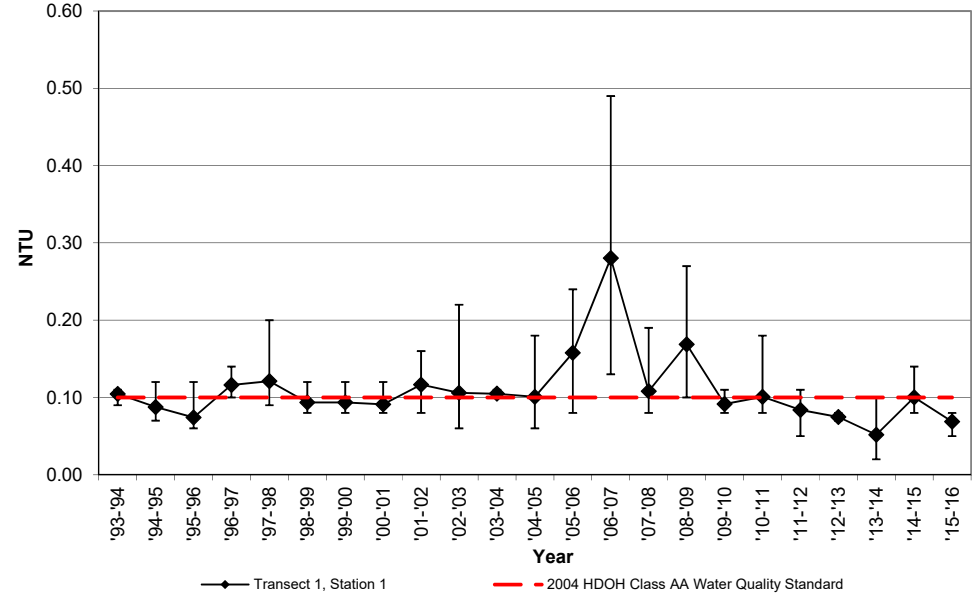


NELHA Water Quality Laboratory  
 Transect 1, Station 1  
 July 1993 - June 2015

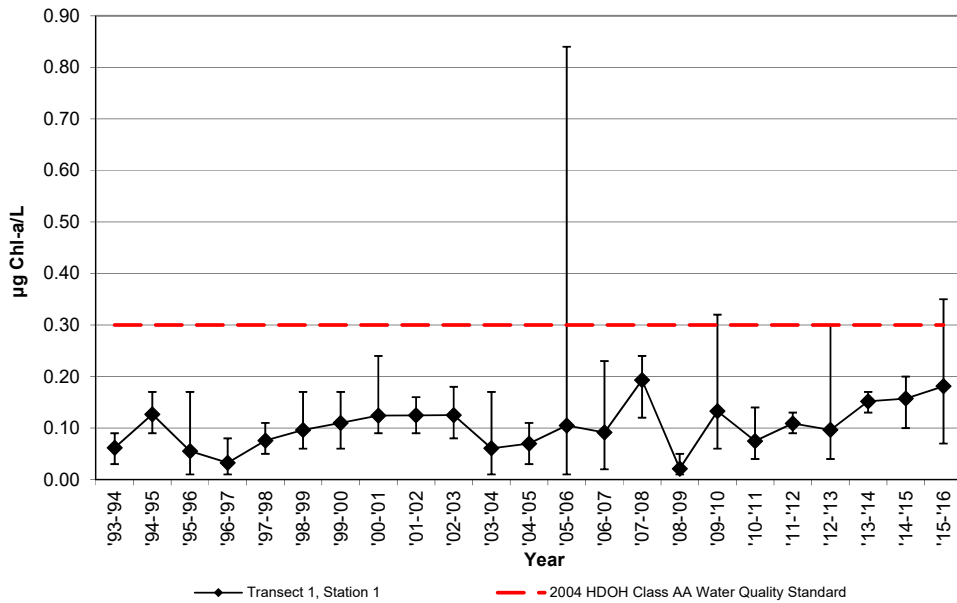
NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 1, Station 1  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 1, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-2S-23m	7/27/93	1201	0.10	3.1	0.09	1.3	0.27	3.8	2.0	55					0.10	34.502	26.6			
O1-2S-23m	12/7/93	1058	0.06	1.9	0.15	2.1	0.11	1.5	3.5	99					0.11	34.805	25.9			
O1-2S-23m	3/16/94	1032	0.19	5.9	0.63	8.8	0.22	3.1	8.8	248		3.81	53.37		0.12	34.330	24.7			
O1-2S-23m	6/14/94	1021	0.12	3.7	0.10	1.4	0.01	0.1	2.7	75					0.08	34.575	25.4			
<b>Geomean '93-'94</b>			<b>3.3</b>		<b>2.4</b>		<b>1.3</b>								<b>0.10</b>					
O1-2S-23m	9/15/94	1036	0.10	3.1	0.14	2.0	0.14	2.0	3.8	106					0.12	34.596	27.7			
O1-2S-23m	11/16/94	932	0.16	5.0	0.50	7.0	0.52	7.3	6.1	170					0.07	34.490	26.1			
O1-2S-23m	3/21/95	1203	0.27	8.4	0.13	1.8	0.16	2.2	3.4	94					0.09	34.210	25.0			
O1-2S-23m	6/26/95	948	0.14	4.3	0.98	13.7	0.58	8.1	8.5	239					0.07	34.384	26.7			
<b>Geomean '94-'95</b>			<b>4.9</b>		<b>4.3</b>		<b>4.0</b>								<b>0.09</b>					
O1-2S-23m	9/25/95	900	0.12	3.7	0.54	7.6	0.22	3.1	7.5	210					0.14	34.373	27.1			
O1-2S-23m	11/13/95	1147	0.17	5.3	0.92	12.9	0.53	7.4	13.3	373					0.07	34.039	27.0			
O1-2S-23m	3/11/96	932	0.13	4.0	0.28	3.9	0.31	4.3	2.4	69					0.07	34.210	25.0			
O1-2S-23m	5/13/96	856	0.12	3.7	0.42	5.9	0.19	2.7	6.9	193					0.07	34.162	26.5			
<b>Geomean '95-'96</b>			<b>4.1</b>		<b>6.9</b>		<b>4.0</b>								<b>0.08</b>					
O1-2S-23m	7/30/96	850	0.09	2.8	0.38	5.3	0.11	1.5	4.8	135					0.08	34.420	27.8			
O1-2S-23m	10/1/96	1203	0.08	2.5	0.26	3.6	0.53	7.4	3.9	109					0.09	34.659	28.0			
O1-2S-23m	1/6/97	1211	0.08	2.5	0.08	1.1	0.13	1.8	2.5	70					0.17	34.711	25.5			
O1-2S-23m	4/21/97	1200	0.10	3.1	0.44	6.2	0.23	3.2	2.0	55					0.10	34.556	26.5			
<b>Geomean '96-'97</b>			<b>2.7</b>		<b>3.4</b>		<b>2.9</b>								<b>0.11</b>					
O1-2S-23m	8/18/97	1140	0.10	3.1	0.15	2.1	0.21	2.9	4.4	122					0.09	34.608	26.9			
O1-2S-23m	10/6/97	1159	0.10	3.1	0.16	2.2	0.33	4.6	10.8	304					0.09	34.673	27.4			
O1-2S-23m	3/3/98	1201	0.10	3.1	0.45	6.3	0.23	3.2	5.3	149					0.07	34.955	25.1			
O1-2S-23m	5/4/98	1113	0.18	5.6	1.74	24.4	0.16	2.2	19.0	534					0.09	34.508	23.8			
<b>Geomean '97-'98</b>			<b>3.6</b>		<b>5.2</b>		<b>3.1</b>								<b>0.08</b>					
O1-2S-23m	7/6/98	1214	0.10	3.1	0.16	2.2	0.10	1.4	3.9	110					0.10	35.009	26.5			
O1-2S-23m	10/5/98	1144	0.12	3.7	0.69	9.7	0.15	2.1	6.1	172					0.08	34.977	27.4			
O1-2S-23m	1/13/99	1153	0.10	3.1	0.20	2.8	0.14	2.0	4.5	128					0.08	35.038	25.2			
O1-2S-23m	4/12/99	922	0.15	4.6	0.65	9.1	0.08	1.1	8.8	248					0.07	34.553	24.0			
<b>Geomean '98-'99</b>			<b>3.6</b>		<b>4.8</b>		<b>1.6</b>								<b>0.08</b>					
O1-2S-23m	7/6/99	926	0.10	3.1	0.21	2.9	0.08	1.1	2.6	72					0.10	34.940	25.6			
O1-2S-23m	10/4/99	1016	0.15	4.6	0.63	8.8	0.13	1.8	8.0	225					0.08	34.803	25.9			
O1-2S-23m	1/4/00	1208	0.13	4.0	1.23	17.2	0.38	5.3	11.2	316					0.08	34.866	24.6			
O1-2S-23m	4/17/00	1000	0.14	4.3	0.13	1.8	0.02	0.3	6.4	179					0.06	34.648	24.2			
<b>Geomean '99-'00</b>			<b>4.0</b>		<b>5.3</b>		<b>1.3</b>								<b>0.08</b>					
O1-2S-23m	7/24/00	1230	0.12	3.7	0.55	7.7	0.06	0.8	8.0	224					0.08	34.730	27.3			
O1-2S-23m	10/30/00	1247	0.14	4.3	0.29	4.1	0.28	3.9	8.5	239					0.07	34.902	27.2			
O1-2S-23m	2/26/01	1228	0.19	5.9	0.97	13.6	0.19	2.7	13.8	386					0.11	34.425	24.9			
O1-2S-23m	5/7/01	1017	0.13	4.0	0.49	6.9	0.30	4.2	5.2	145					0.07	34.805	24.6			
<b>Geomean '00-'01</b>			<b>4.4</b>		<b>7.3</b>		<b>2.5</b>								<b>0.08</b>					
O1-2S-23m	8/21/01	1151	0.15	4.6	0.50	7.0	0.07	1.0	5.1	143					0.09	34.717	26.7			
O1-2S-23m	10/8/01	947	0.11	3.4	0.20	2.8	0.05	0.7	4.6	128					0.07	34.941	27.2			
O1-2S-23m	3/5/02	1101	0.14	4.3	0.42	5.9	0.05	0.7	4.3	121					0.12	34.669	24.3			
O1-2S-23m	4/17/02	1121	0.10	3.1	0.22	3.1	0.24	3.4	4.7	131					0.09	34.457	25.6			
<b>Geomean '01-'02</b>			<b>3.8</b>		<b>4.3</b>		<b>1.1</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 1, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-2S-23m	7/8/02	1016	0.17	5.3	0.16	2.2	0.17	2.4	4.9	138					0.06	34.613	26.5			
O1-2S-23m	10/9/02	1104	0.07	2.2	0.22	3.1	0.08	1.1	2.7	76					0.06	34.941	27.0			
O1-2S-23m	3/11/03	956	0.11	3.4	1.46	20.4	0.03	0.4	7.7	217					0.09	34.788	24.5			
O1-2S-23m	4/22/03	1056	0.08	2.5	0.45	6.3	0.07	1.0	3.6	101					0.07	34.991	25.2			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.1</b>		<b>5.5</b>		<b>1.0</b>								<b>0.07</b>					
O1-2S-23m	8/18/03	1116	0.05	1.5	0.10	1.4	0.30	4.2	1.9	53					0.11	34.875	28.0			
O1-2S-23m	10/29/03	1033	0.09	2.8	0.03	0.4	0.18	2.5	2.8	78					0.10	34.85	27.4			
O1-2S-23m	3/11/04	944	0.15	4.6	0.66	9.2	0.15	2.1	3.5	98					n/a	34.275	25.5			
O1-2S-23m	5/20/04	936	0.11	3.4	0.13	1.8	0.21	2.9	2.6	72					n/a	33.54	26.5			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.9</b>		<b>1.8</b>		<b>2.8</b>								<b>0.10</b>					
O1-2S-23m	9/20/04	931	0.08	2.5	0.08	1.1	0.25	3.5	1.8	49					0.08	33.71	27.7			
O1-2S-23m	11/17/04	902	0.11	3.4	0.45	6.3	0.24	3.4	4.3	122					0.10	33.63	27.1			
O1-2S-23m	1/13/05	1025	0.07	2.2	0.35	4.9	0.06	0.8	3.7	103					0.08	34.840	25.1			
O1-2S-23m	4/11/05	1018	0.21	6.5	2.49	34.9	0.24	3.4	16.9	474					0.08	34.821	25.2			
<b>Geomean</b>	<b>'04-'05</b>		<b>3.3</b>		<b>5.9</b>		<b>2.4</b>								<b>0.08</b>					
O1-2S-23m	7/20/05	1005	0.05	1.5	0.02	0.3	0.12	1.7	1.3	37					0.09	34.739	26.2			
O1-2S-23m	10/11/05	853	0.05	1.5	0.02	0.3	0.14	2.0	2.3	64					0.15	34.919	26.5			
O1-2S-23m	3/13/06	937	0.16	5.0	1.43	20.0	0.28	3.9	9.8	274					0.12	34.620	24.4			
O1-2S-23m	5/15/06	937	0.21	6.5	2.83	39.6	0.33	4.6	25.7	722					0.20	33.990	24.9			
<b>Geomean</b>	<b>'05-'06</b>		<b>3.0</b>		<b>2.8</b>		<b>2.8</b>								<b>0.13</b>					
O1-2S-23m	8/14/06	930	0.27	8.4	0.65	9.1	0.33	4.6	6.5	182					0.12	34.504	26.5			
O1-2S-23m	11/1/06	934	0.13	4.0	0.75	10.5	0.58	8.1	8.2	231					0.18	34.660	26.7			
O1-2S-23m	2/12/07	958	0.19	5.9	1.53	21.4	0.46	6.4	10.8	303					0.17	34.230	24.5			
O1-2S-23m	4/9/07	932	0.12	3.7	0.32	4.5	0.23	3.2	4.7	131					0.20	34.649	25.0			
<b>Geomean</b>	<b>'06-'07</b>		<b>5.2</b>		<b>9.8</b>		<b>5.3</b>								<b>0.16</b>					
T1-10m	9/26/07	907	0.29	9.0	2.71	37.9	0.34	4.7	22.0	619	0.60	18.6	9.5	133	0.12	33.972	26.8	8.10	6.39	0.32
T1-10m	12/13/07	1032	0.07	2.1	0.39	5.5			13.2	370	0.37	11.6	7.0	99	0.19	34.638	25.7	8.32	6.33	0.21
T1-10m	3/10/08	932	0.02	0.7	0.64	8.9	0.06	0.8	12.8	360	0.42	13.1	10.2	143	0.15	34.867	25.0	8.1	6.57	0.25
T1-10m	6/5/08	942	0.10	3.2	0.35	4.9	0.16	2.2	10.3	290	0.28	8.8	9.2	129	0.11	34.8026	25.0	8.08	6.73	0.22
<b>Geomean</b>	<b>'07-'08</b>		<b>2.6</b>		<b>9.8</b>		<b>2.0</b>				<b>12.6</b>		<b>125</b>		<b>0.14</b>					<b>0.25</b>
T1-10m	9/22/08	1041	0.06	1.9	0.12	1.7	0.04	0.6	2.5	70	0.25	7.7	5.0	70	0.12	34.832	26.6	7.99	6.53	0.06
T1-10m	11/17/08	923	0.17	5.3	0.23	3.2	0.14	1.9	3.3	93	0.36	11.3	4.7	66	0.08	34.951	25.6	8.16	5.30	0.07
T1-10m	2/9/09	918	0.10	3.1	0.10	1.4	0.12	1.7	1.6	46	0.22	6.8	4.9	69	0.18	34.984	24.9	8.06	6.23	0.01
T1-10m	4/13/09	912	0.17	5.2	0.21	2.9	1.25	17.5	2.7	75	0.40	12.5	6.7	94	0.10	34.985	23.9	8.10	6.01	0.04
<b>Geomean</b>	<b>'08-'09</b>		<b>3.6</b>		<b>2.2</b>		<b>2.4</b>				<b>9.3</b>		<b>74</b>		<b>0.11</b>					<b>0.04</b>
T1-10m	9/9/09	911	0.30	9.3	0.27	3.8	0.10	1.4	13.3	375	0.54	16.7	7.4	104	0.14	35.20	26.6	8.23	5.76	0.04
T1-10m	11/23/09	934	0.03	0.8	0.24	3.4	0.14	1.9	19.1	536	0.34	10.4	6.8	95	0.08	35.19	25.3	8.27	6.13	0.2
T1-10m	2/23/10	942	0.17	5.4	0.43	6	0.40	5.6	31.5	886	0.35	10.9	4.9	69	0.09	35.04	24.6	8.21	6.23	0.32
T1-10m	5/25/10	1100	0.04	1.2	0.12	1.7	0.12	1.7	14.6	411	0.36	11.2	5.2	73	0.07	34.97	25.1	8.23	7.02	0.09
<b>Geomean</b>	<b>'09-'10</b>		<b>2.6</b>		<b>3.4</b>		<b>2.2</b>				<b>12.1</b>		<b>84</b>		<b>0.09</b>					<b>0.12</b>
T1-10m	8/10/10	942	0.04	1.2	0.58	8.1	0.06	0.9	4.8	135	0.29	9	3.3	46	0.08	34.84	25.97	8.25	6.41	0.07
T1-10m	11/8/10	931	0.01	0.3	0.17	2.4	0.14	2.0	2.3	65	0.35	10.7	3.4	48	0.04	35.26	26.42	8.25	6.15	0.05
T1-10m	1/11/11	940	0.13	3.9	0.22	3.1	0.01	0.1	4.4	123	0.42	12.9	3.6	51	0.09	35.01	24.98	8.21	6.41	0.09
T1-10m	4/26/11	940	0.14	4.4	0.44	6.2	0.07	1.0	8.3	234	0.45	14	3.9	55	0.09	34.94	25.03	8.21	6.53	0.12
<b>Geomean</b>	<b>'10-'11</b>		<b>1.6</b>		<b>4.4</b>		<b>0.7</b>				<b>11.5</b>		<b>50</b>		<b>0.07</b>					<b>0.08</b>

NELHA Water Quality Laboratory

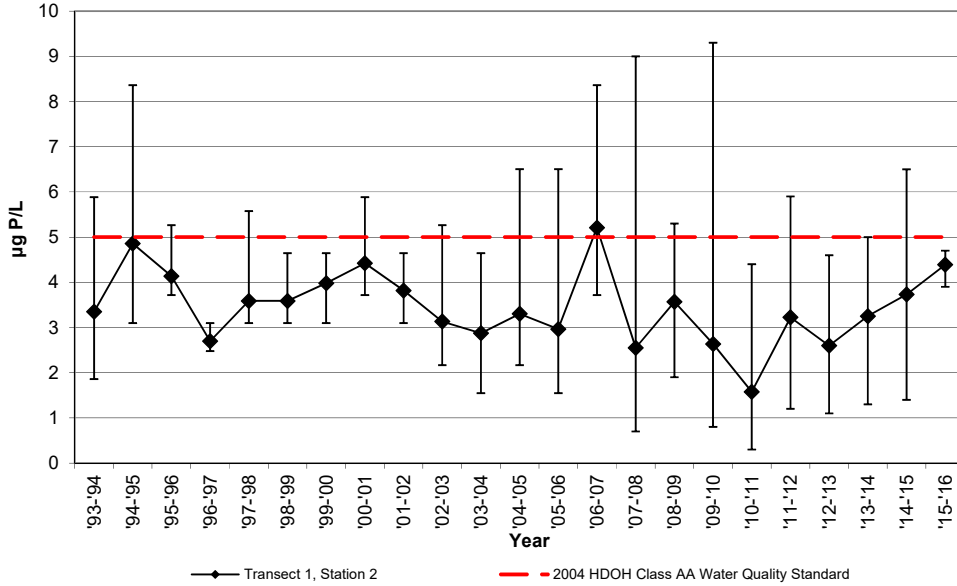
Transect 1, Station 2

July 1993 - June 2015

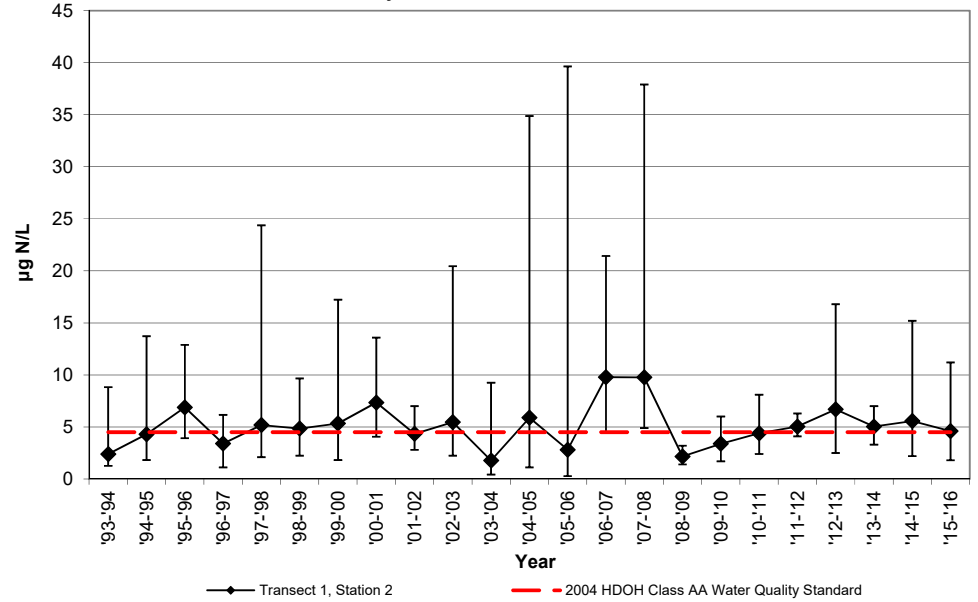
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T1-10m	7/26/11	952	0.19	5.9	0.35	4.9	0.12	1.7	2.3	66	0.47	14.6	5.0	70	0.08	34.78	25.87	8.24	6.46	0.10
T1-10m	10/18/11	930	0.04	1.2	0.29	4.1	0.29	4	2.7	76	0.30	9.3	5.1	72	0.07	35.04	26.50	8.20	6.59	0.10
T1-10m	1/25/12	953	0.11	3.4	0.36	5.1	0.16	2.2	4.4	124	0.43	13.3	5.6	79	0.10	34.95	24.64	8.19	6.84	0.06
T1-10m	4/24/12	1019	0.15	4.5	0.45	6.3	0.24	3.4	4.4	122	0.41	12.8	4.2	59	0.08	35.06	24.70	8.23	6.63	0.20
<b>Geomean</b>	<b>'11-'12</b>		<b>3.2</b>		<b>5.0</b>		<b>2.7</b>				<b>12.3</b>		<b>70</b>		<b>0.08</b>					<b>0.10</b>
T1-10m	7/24/12	935	0.04	1.1	0.64	9	0.48	6.7	1.5	41	0.36	11	11.0	155	0.06	35.00	26.33	8.23	6.86	0.03
T1-10m	11/27/12	936	0.12	3.6	1.20	16.8	0.32	4.5	8.6	242	0.44	13.5	6.2	87	0.08	35.04	25.03	8.20	6.82	0.30
T1-10m	1/24/13	942	0.08	2.5	0.18	2.5	0.17	2.4	1.5	43	0.44	13.5	6.5	91	0.07	35.02	24.65	8.20	6.27	0.13
T1-10m	4/16/13	944	0.15	4.6	0.38	5.3	0.17	2.4	1.0	28	0.48	15	6.9	97	0.03	35.16	24.85	8.21	7.00	0.06
<b>Geomean</b>	<b>'12-'13</b>		<b>2.6</b>		<b>6.7</b>		<b>3.6</b>				<b>13.2</b>		<b>104</b>		<b>0.06</b>					<b>0.09</b>
T1-10m	8/1/13	854	0.04	1.3	0.24	3.3	0.06	0.9	4.6	129	0.39	12.2	5.6	79	0.07	35.00	26.1	8.26	6.79	0.11
T1-10m	10/29/13	931	0.14	4.3	0.34	4.8	0.35	4.9	2.5	69	0.43	13.2	6.0	84	0.07	35.28	27.0	8.24	6.19	0.16
T1-10m	2/4/14	932	0.13	4.0	0.41	5.8	0.64	8.9	3.0	83	0.39	12.1	5.7	80	0.02	34.92	25.2	8.22	6.35	0.16
T1-10m	5/6/14	929	0.16	5.0	0.50	7.0	0.47	6.6	3.6	103	0.46	14.1	5.9	83	0.05	34.69	25.8	8.21	6.54	0.07
<b>Geomean</b>	<b>'13-'14</b>		<b>3.3</b>		<b>5.0</b>		<b>4.0</b>				<b>12.9</b>		<b>81</b>		<b>0.05</b>					<b>0.12</b>
T1-10m	8/5/14	946	0.21	6.5	0.26	3.7	0.37	5.2	2.1	59	0.55	17.0	5.3	74	0.14	34.96	26.8	8.21	5.99	0.16
T1-10m	11/17/14	1123	0.17	5.2	0.16	2.2	0.32	4.5	0.1	2	0.43	13.2	6.0	84	0.04	35.02	27.1	8.21	7.02	0.19
T1-10m	3/3/15	935	0.05	1.4	0.56	7.8	0.19	2.7	2.7	76	0.32	9.8	7.6	106	0.04	34.80	25.5	8.16	6.78	0.18
T1-10m	6/16/15	1041	0.13	4.1	1.09	15.2	0.13	1.8	6.9	193	0.41	12.7	5.9	82	0.06	33.97	26.5	8.21	6.07	0.25
<b>Geomean</b>	<b>'14-'15</b>		<b>3.7</b>		<b>5.6</b>		<b>3.3</b>				<b>12.9</b>		<b>86</b>		<b>0.06</b>					<b>0.19</b>
T1-10m	8/26/15	1144	0.13	3.9	0.26	3.7	0.31	4.4	7.3	205	0.13	4.1	5.4	76	0.04	34.49	28.4	8.21	6.08	0.32
T1-10m	11/17/15	943	0.15	4.5	0.43	6.0	0.07	1.0	5.8	162	0.56	17.3	6.3	89	0.06	33.86	27.4	8.22	6.17	0.15
T1-10m	3/1/16	944	0.15	4.5	0.13	1.8	0.33	4.6	0.1	2	0.48	14.9	5.6	79	0.07	34.77	25.4	8.24	5.71	0.08
T1-10m	5/3/16	921	0.15	4.7	0.80	11.2	0.21	2.9	4.1	115	0.34	10.6	5.8	81	0.08	34.56	25.5	8.27	6.22	0.25
<b>Geomean</b>	<b>'15-'16</b>		<b>4.4</b>		<b>4.6</b>		<b>2.8</b>				<b>10.3</b>		<b>81</b>		<b>0.06</b>					<b>0.18</b>

NELHA Water Quality Laboratory  
 Transect 1, Station 2  
 July 1993 - June 2015

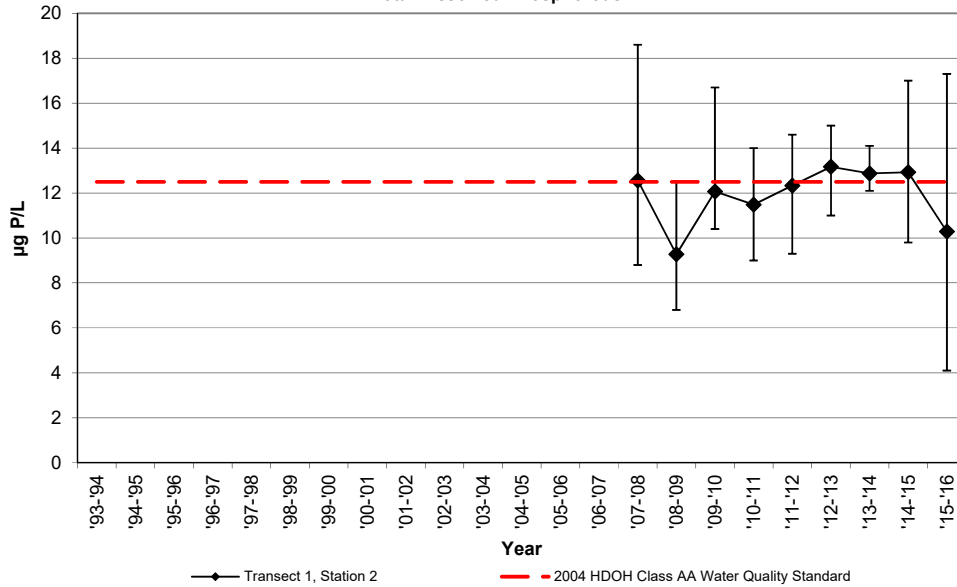
NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of Ortho-Phosphate



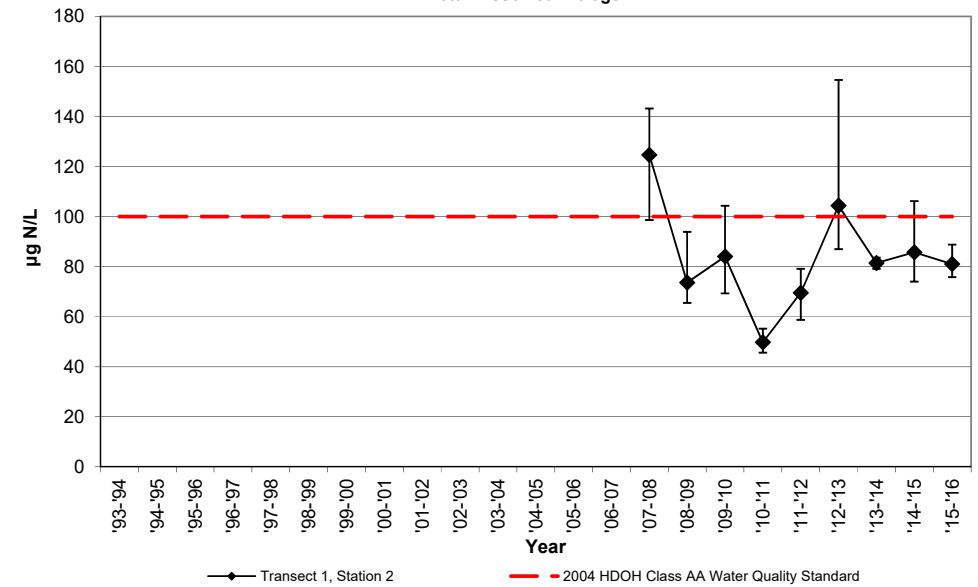
NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

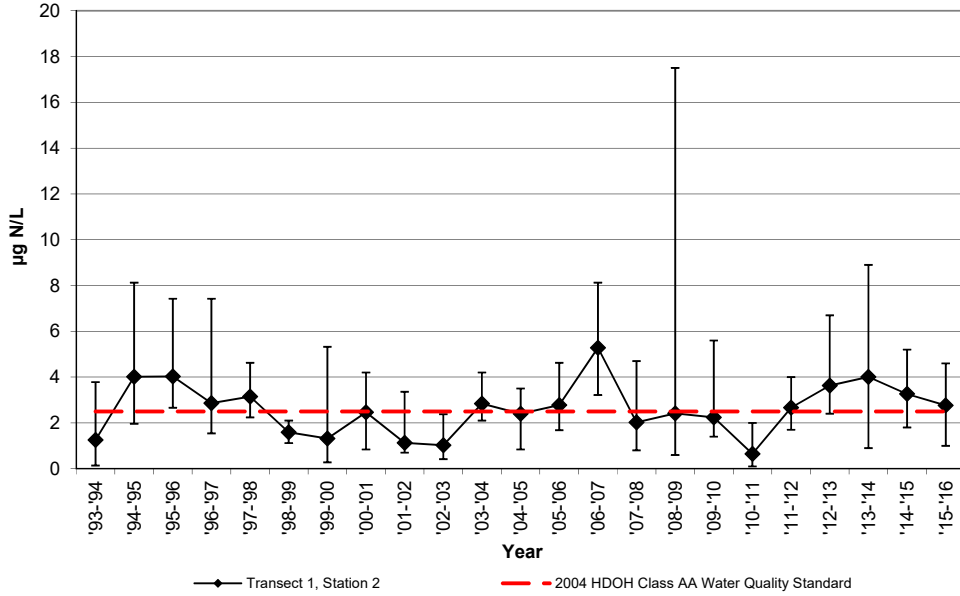


NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

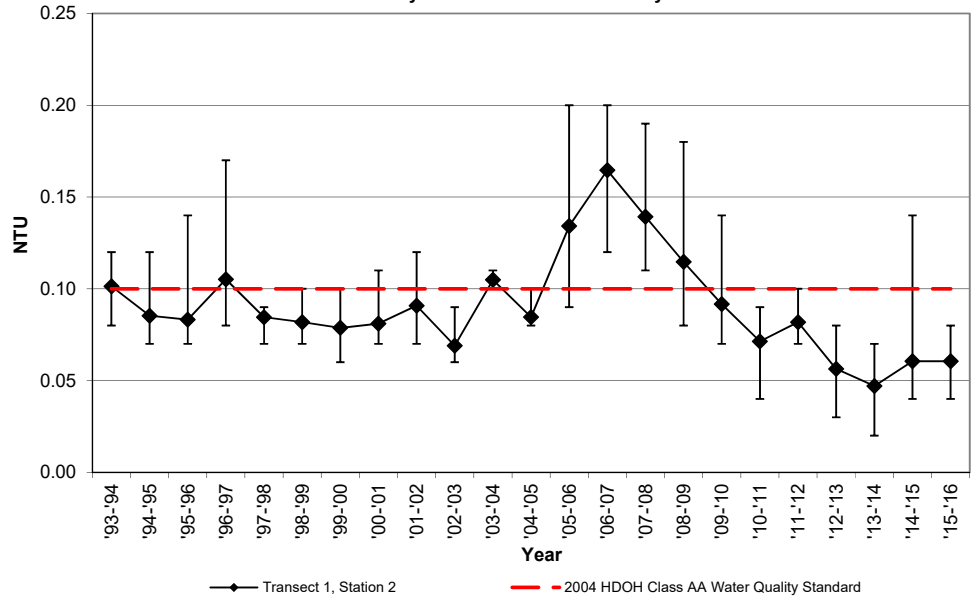


NELHA Water Quality Laboratory  
 Transect 1, Station 2  
 July 1993 - June 2015

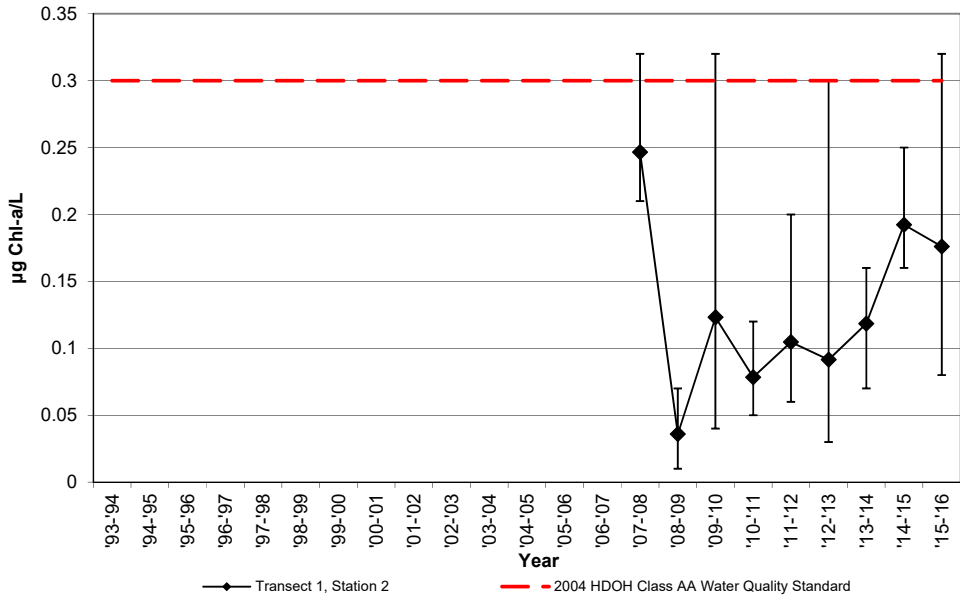
NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 1, Station 2  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 1, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-3S-38m	7/27/93	1149	0.06	1.9	0.05	0.7	0.18	2.5	1.8	51					0.10	34.500	26.6			
O1-3S-38m	12/7/93	1048	0.06	1.9	0.11	1.5	0.10	1.4	2.5	71					0.07	34.822	25.8			
O1-3S-38m	3/16/94	1026	0.19	5.9	0.86	12.0	0.20	2.8	11.5	323					0.12	34.244	24.7			
O1-3S-38m	6/14/94	1014	0.11	3.4	0.05	0.7	0.01	0.1	2.4	68					0.08	34.584	25.4			
<b>Geomean '93-'94</b>			<b>2.9</b>		<b>1.7</b>		<b>1.1</b>								<b>0.09</b>					
O1-3S-38m	9/15/94	1032	0.10	3.1	0.46	6.4	0.14	2.0	7.6	213					0.08	34.450	27.7			
O1-3S-38m	11/16/94	929	0.14	4.3	0.25	3.5	0.50	7.0	3.2	90					0.07	34.574	26.0			
O1-3S-38m	3/21/95	1154	0.18	5.6	0.08	1.1	0.12	1.7	3.3	93					0.08	34.220	25.0			
O1-3S-38m	6/26/95	947	0.15	4.6	0.80	11.2	0.55	7.7	10.2	285					0.07	34.324	26.8			
<b>Geomean '94-'95</b>			<b>4.3</b>		<b>4.1</b>		<b>3.7</b>								<b>0.07</b>					
O1-3S-38m	9/25/95	850	0.18	5.6	0.57	8.0	0.28	3.9	5.9	165					0.09	34.358	27.1			
O1-3S-38m	11/13/95	1144	0.11	3.4	0.07	1.0	0.45	6.3	1.5	43					0.07	34.364	27.0			
O1-3S-38m	3/11/96	926	0.13	4.0	0.43	6.0	0.39	5.5	4.3	120					0.07	34.147	25.1			
O1-3S-38m	5/13/96	851	0.11	3.4	0.50	7.0	0.19	2.7	8.1	227					0.06	34.136	26.5			
<b>Geomean '95-'96</b>			<b>4.0</b>		<b>4.3</b>		<b>4.4</b>								<b>0.07</b>					
O1-3S-38m	7/30/96	845	0.09	2.8	0.45	6.3	0.12	1.7	5.6	156					0.08	34.395	27.8			
O1-3S-38m	10/1/96	1158	0.06	1.9	0.37	5.2	0.50	7.0	5.0	140					0.08	34.622	27.9			
O1-3S-38m	1/6/97	1204	0.08	2.5	0.07	1.0	0.13	1.8	2.5	69					0.08	34.708	25.6			
O1-3S-38m	4/21/97	1152	0.09	2.8	0.38	5.3	0.24	3.4	2.8	78					0.12	34.561	26.6			
<b>Geomean '96-'97</b>			<b>2.4</b>		<b>3.6</b>		<b>2.9</b>								<b>0.09</b>					
O1-3S-38m	8/18/97	1135	0.14	4.3	1.48	20.7	0.23	3.2	19.2	539					0.11	34.162	27.0			
O1-3S-38m	10/6/97	1156	0.10	3.1	0.20	2.8	0.34	4.8	5.5	155					0.08	34.673	27.4			
O1-3S-38m	3/3/98	1157	0.09	2.8	0.53	7.4	0.24	3.4	5.9	166					0.06	34.937	25.1			
O1-3S-38m	5/4/98	1108	0.20	6.2	2.07	29.0	0.26	3.6	22.1	621					0.10	34.403	23.8			
<b>Geomean '97-'98</b>			<b>3.9</b>		<b>10.6</b>		<b>3.7</b>								<b>0.09</b>					
O1-3S-38m	7/6/98	1209	0.09	2.8	0.13	1.8	0.08	1.1	3.9	108					0.08	35.011	26.4			
O1-3S-38m	10/5/98	1139	0.10	3.1	0.38	5.3	0.16	2.2	4.9	136					0.09	35.033	27.3			
O1-3S-38m	1/13/99	1148	0.10	3.1	0.53	7.4	0.11	1.5	7.0	197					0.10	34.961	25.2			
O1-3S-38m	4/12/99	917	0.16	5.0	0.77	10.8	0.08	1.1	17.0	477					0.08	34.511	24.0			
<b>Geomean '98-'99</b>			<b>3.4</b>		<b>5.3</b>		<b>1.4</b>								<b>0.09</b>					
O1-3S-38m	7/6/99	920	0.10	3.1	0.19	2.7	0.05	0.7	2.5	71					0.12	34.943	25.6			
O1-3S-38m	10/4/99	1011	0.15	4.6	0.63	8.8	0.15	2.1	7.7	217					0.08	34.828	25.9			
O1-3S-38m	1/4/00	1204	0.15	4.6	1.49	20.9	0.40	5.6	12.3	345					0.11	34.810	24.6			
O1-3S-38m	4/17/00	955	0.14	4.3	0.21	2.9	0.01	0.1	3.8	106					0.08	34.611	24.2			
<b>Geomean '99-'00</b>			<b>4.1</b>		<b>6.2</b>		<b>1.0</b>								<b>0.10</b>					
O1-3S-38m	7/24/00	1228	0.13	4.0	0.59	8.3	0.06	0.8	7.8	219					0.07	34.735	27.3			
O1-3S-38m	10/30/00	1240	0.14	4.3	0.43	6.0	0.28	3.9	9.3	260					0.11	34.898	27.1			
O1-3S-38m	2/26/01	1223	0.24	7.4	1.68	23.5	0.17	2.4	25.5	717					0.13	34.052	25.0			
O1-3S-38m	5/7/01	1014	0.14	4.3	0.54	7.6	0.31	4.3	5.5	154					0.06	34.796	24.6			
<b>Geomean '00-'01</b>			<b>4.9</b>		<b>9.7</b>		<b>2.4</b>								<b>0.09</b>					
O1-3S-38m	8/21/01	1142	0.15	4.6	0.44	6.2	0.02	0.3	6.6	185					0.10	34.741	26.7			
O1-3S-38m	10/8/01	940	0.10	3.1	0.18	2.5	0.06	0.8	7.8	220					0.07	34.940	27.2			
O1-3S-38m	3/5/02	1058	0.14	4.3	0.32	4.5	0.04	0.6	6.3	178					0.08	34.734	24.2			
O1-3S-38m	4/17/02	1118	0.14	4.3	0.50	7.0	0.26	3.6	4.7	131					0.06	34.436	25.7			
<b>Geomean '01-'02</b>			<b>4.1</b>		<b>4.7</b>		<b>0.8</b>								<b>0.08</b>					

NELHA Water Quality Laboratory

Transect 1, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-3S-38m	7/8/02	1007	0.19	5.9	0.05	0.7	0.11	1.5	15.8	442					0.08	34.636	26.5			
O1-3S-38m	10/9/02	1100	0.06	1.9	0.36	5.0	0.04	0.6	4.7	132					0.08	34.920	27.0			
O1-3S-38m	3/11/03	949	0.13	4.0	0.67	9.4	0.03	0.4	5.8	163					0.16	34.844	24.5			
O1-3S-38m	4/22/03	1054	0.07	2.2	0.24	3.4	0.06	0.8	3.1	87					0.07	35.009	25.2			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.1</b>		<b>3.2</b>		<b>0.7</b>								<b>0.09</b>					
O1-3S-38m	8/18/03	1106	0.06	1.9	0.08	1.1	0.25	3.5	2.4	69					0.14	34.855	27.5			
O1-3S-38m	10/29/03	1024	0.06	1.9	0.01	0.1	0.18	2.5	2.3	65					0.10	34.903	27.5			
O1-3S-38m	3/11/04	938	0.15	4.6	0.79	11.1	0.09	1.3	3.9	110					n/a	34.266	25.6			
O1-3S-38m	5/20/04	943	0.12	3.7	0.07	1.0	0.18	2.5	3.1	87					n/a	33.47	26.6			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.8</b>		<b>1.1</b>		<b>2.3</b>								<b>0.12</b>					
O1-3S-38m	9/20/04	923	0.09	2.8	0.07	1.0	0.21	2.9	2.0	56					0.09	33.75	27.8			
O1-3S-38m	11/17/04	856	0.11	3.4	0.32	4.5	0.18	2.5	2.8	79					0.09	33.58	27.1			
O1-3S-38m	1/13/05	1020	0.07	2.2	0.37	5.2	0.06	0.8	3.8	107					0.08	34.858	25.5			
O1-3S-38m	4/11/05	1009	0.18	5.6	1.95	27.3	0.23	3.2	13.4	377					0.09	34.147	25.1			
<b>Geomean</b>	<b>'04-'05</b>		<b>3.3</b>		<b>5.0</b>		<b>2.1</b>								<b>0.09</b>					
O1-3S-38m	7/20/05	958	0.06	1.9	0.02	0.3	0.21	2.9	1.6	45					0.08	34.731	26.4			
O1-3S-38m	10/11/05	846	0.04	1.2	0.01	0.1	0.14	2.0	2.1	59					0.12	34.907	26.5			
O1-3S-38m	3/13/06	930	0.11	3.4	0.27	3.8	0.28	3.9	3.0	85					0.09	34.729	24.5			
O1-3S-38m	5/15/06	931	0.18	5.6	2.20	30.8	0.11	1.5	24.8	697					0.08	34.045	24.7			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.6</b>		<b>1.5</b>		<b>2.4</b>								<b>0.09</b>					
O1-3S-38m	8/14/06	924	0.14	4.3	0.39	5.5	0.15	2.1	3.8	108					0.14	34.706	26.5			
O1-3S-38m	11/1/06	928	0.10	3.1	0.36	5.0	0.46	6.4	5.0	140					0.24	34.753	26.7			
O1-3S-38m	2/12/07	950	0.15	4.6	0.86	12.0	0.39	5.5	6.9	193					0.21	34.424	24.5			
O1-3S-38m	4/9/07	925	0.12	3.7	0.47	6.6	0.30	4.2	5.4	152					0.17	34.629	25.3			
<b>Geomean</b>	<b>'06-'07</b>		<b>3.9</b>		<b>6.8</b>		<b>4.2</b>								<b>0.19</b>					
T1-50m	9/26/07	919	0.21	6.6	1.05	14.7	0.34	4.8	10.4	292	0.42	13.0	6.2	87	0.09	34.680	26.8	8.09	6.32	0.12
T1-50m	12/13/07	1036	0.11	3.4	0.67	9.4			5.8	162	0.41	12.7	7.1	99	0.12	34.503	25.7	8.31	6.28	0.25
T1-50m	3/10/08	938	0.05	1.7	0.64	9.0	0.06	0.8	5.2	147	0.43	13.3	8.7	123	0.10	34.787	25.0	8.1	6.50	0.2
T1-50m	6/5/08	944	0.09	2.8	0.29	4.1	0.16	2.2	18.6	522	0.26	8.1	8.2	116	0.08	34.8034	25.0	8.08	6.78	0.29
<b>Geomean</b>	<b>'07-'08</b>		<b>3.2</b>		<b>8.5</b>		<b>2.0</b>				<b>11.5</b>		<b>105</b>		<b>0.10</b>					<b>0.20</b>
T1-50m	9/22/08	1047	0.06	1.8	0.17	2.4	0.07	1	2.6	72	0.25	7.7	5.0	70	0.07	34.805	26.6	8.01	6.33	0.1
T1-50m	11/17/08	927	0.16	5.1	0.40	5.6	0.14	1.9	3.6	102	0.37	11.5	6.1	86	0.33	34.905	25.6	8.20	6.17	0.08
T1-50m	2/9/09	924	0.09	2.8	0.10	1.4	0.12	1.7	1.1	32	0.16	4.9	5.7	80	0.11	35.049	24.9	8.07	6.20	0.01
T1-50m	4/13/09	916	0.22	6.7	0.15	2.1	0.24	3.4	2.8	79	0.51	15.9	6.5	91	0.14	34.983	23.9	8.13	5.79	0.04
<b>Geomean</b>	<b>'08-'09</b>		<b>3.6</b>		<b>2.5</b>		<b>1.8</b>				<b>9.1</b>		<b>81</b>		<b>0.14</b>					<b>0.04</b>
T1-50m	9/9/09	919	0.17	5.3	0.50	7	0.04	0.5	8.1	226	0.56	17.4	7.1	99	0.11	35.15	26.8	8.22	5.54	0.16
T1-50m	11/23/09	938	0.03	0.8	0.22	3.1	0.14	1.9	9.7	273	0.37	11.6	5.2	74	0.06	35.16	25.3	8.29	6.11	0.17
T1-50m	2/23/10	945	0.17	5.2	0.39	5.4	0.49	6.9	17.6	495	0.38	11.8	4.5	63	0.06	35.03	24.6	8.20	6.22	0.2
T1-50m	5/25/10	1104	0.02	0.7	0.06	0.8	0.05	0.7	13.7	386	0.29	9	3.2	45	0.08	35.00	24.9	8.22	6.85	0.1
<b>Geomean</b>	<b>'09-'10</b>		<b>2.0</b>		<b>3.1</b>		<b>1.5</b>				<b>12.1</b>		<b>68</b>		<b>0.08</b>					<b>0.15</b>
T1-50m	8/10/10	945	0.05	1.5	0.86	12	0.05	0.7	6.2	173	0.29	9.1	3.4	48	0.04	34.31	25.95	8.24	6.38	0.12
T1-50m	11/8/10	934	0.02	0.5	0.14	2	0.12	1.7	3.5	98	0.41	12.6	4.0	56	0.03	35.25	26.42	8.25	6.13	0.08
T1-50m	1/11/11	945	0.14	4.3	0.54	7.5	0.06	0.9	3.7	104	0.51	15.7	4.5	64	0.06	35.02	24.97	8.20	6.46	0.09
T1-50m	4/26/11	945	0.14	4.4	0.53	7.4	0.05	0.7	3.3	94	0.47	14.6	3.8	53	0.06	34.95	25.02	8.21	6.50	0.20
<b>Geomean</b>	<b>'10-'11</b>		<b>1.9</b>		<b>6.0</b>		<b>0.9</b>				<b>12.7</b>		<b>55</b>		<b>0.05</b>					<b>0.11</b>



NELHA Water Quality Laboratory

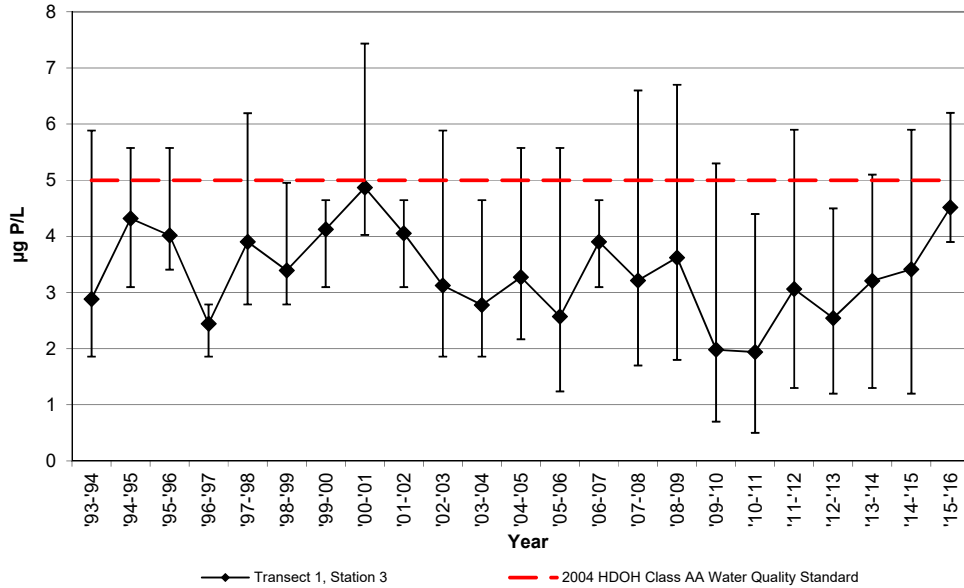
Transect 1, Station 3

July 1993 - June 2015

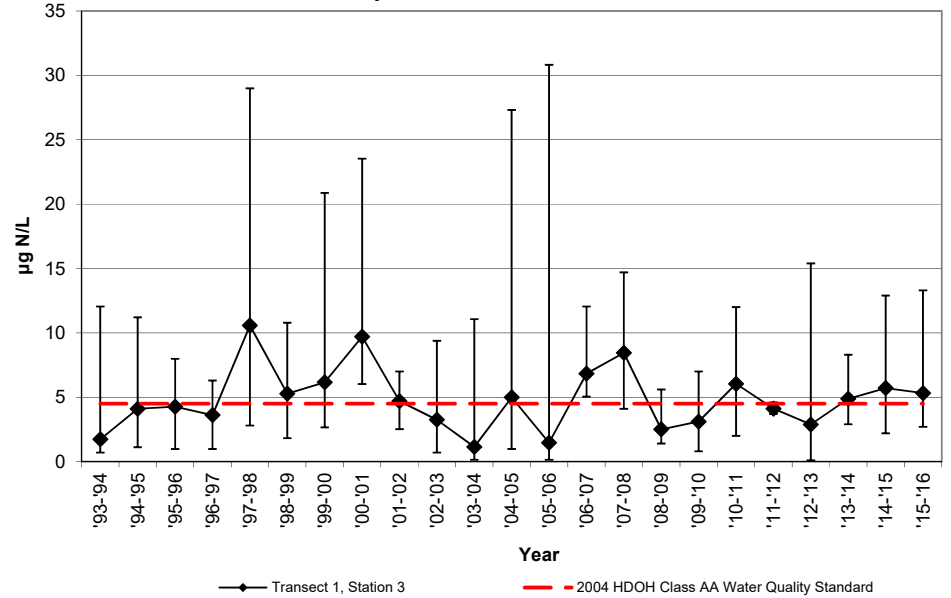
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T1-50m	7/26/11	957	0.19	5.9	0.33	4.6	0.13	1.8	2.4	69	0.48	15	4.4	62	0.04	34.80	25.98	8.25	6.39	0.06
T1-50m	10/18/11	935	0.04	1.3	0.29	4	0.26	3.6	2.6	72	0.31	9.6	4.8	68	0.10	35.03	26.52	8.20	6.57	0.12
T1-50m	1/25/12	958	0.10	3.1	0.30	4.2	0.11	1.6	3.6	100	0.44	13.7	5.7	80	0.05	34.98	24.66	8.18	6.57	0.12
T1-50m	4/24/12	1026	0.12	3.7	0.26	3.7	0.23	3.2	3.1	88	0.39	12.1	3.8	53	0.12	35.07	24.75	8.21	6.66	0.24
<b>Geomean</b>	<b>'11-'12</b>		<b>3.1</b>		<b>4.1</b>		<b>2.4</b>				<b>12.4</b>		<b>65</b>		<b>0.07</b>					<b>0.12</b>
T1-50m	7/24/12	943	0.04	1.2	0.49	6.9	0.35	4.9	2.3	64	0.34	10.6	5.0	71	0.07	35.07	26.31	8.22	6.42	0.03
T1-50m	11/27/12	940	0.12	3.7	1.10	15.4	0.45	6.3	8.6	241	0.35	10.8	4.1	58	0.05	35.05	25.05	8.20	6.72	0.28
T1-50m	1/24/13	946	0.07	2.1	0.01	0.1	0.21	2.9	0.9	26	0.41	12.6	4.8	68	0.03	35.04	24.70	8.20	6.25	0.10
T1-50m	4/16/13	950	0.15	4.5	0.46	6.5	0.11	1.6	2.1	58	0.47	14.5	5.8	81	0.02	35.14	24.92	8.21	6.83	0.06
<b>Geomean</b>	<b>'12-'13</b>		<b>2.5</b>		<b>2.9</b>		<b>3.5</b>				<b>12.0</b>		<b>69</b>		<b>0.04</b>					<b>0.08</b>
T1-50m	8/1/13	859	0.04	1.3	0.30	4.2	0.07	1.0	5.3	149	0.41	12.6	4.9	68	0.08	35.07	26.1	8.25	6.63	0.18
T1-50m	10/29/13	935	0.16	5.1	0.21	2.9	0.34	4.8	1.9	52	0.43	13.2	6.1	86	0.02	35.29	27.1	8.22	6.06	0.21
T1-50m	2/4/14	936	0.10	3.2	0.40	5.6	0.38	5.3	3.6	102	0.43	13.3	8.6	121	0.02	34.89	25.2	8.21	6.30	0.17
T1-50m	5/6/14	933	0.16	5.0	0.59	8.3	0.56	7.8	3.5	100	0.45	13.8	6.3	88	0.06	34.71	25.8	8.22	6.36	0.16
<b>Geomean</b>	<b>'13-'14</b>		<b>3.2</b>		<b>4.9</b>		<b>3.8</b>				<b>13.2</b>		<b>89</b>		<b>0.04</b>					<b>0.18</b>
T1-50m	8/5/14	949	0.19	5.9	0.37	5.2	0.32	4.5	2.4	67	0.55	17.1	5.5	77	0.10	34.95	26.8	8.21	6.07	0.15
T1-50m	11/17/14	1127	0.15	4.8	0.16	2.2	0.29	4.1	0.4	10	0.43	13.2	6.1	86	0.10	35.02	27.1	8.21	6.79	0.20
T1-50m	3/3/15	941	0.04	1.2	0.51	7.2	0.08	1.1	2.6	74	0.33	10.1	7.6	106	0.06	34.80	25.5	8.13	6.77	0.21
T1-50m	6/16/15	1049	0.13	4.0	0.92	12.9	0.26	3.7	6.4	180	0.44	13.5	6.6	92	0.05	34.13	26.4	8.21	6.01	0.30
<b>Geomean</b>	<b>'14-'15</b>		<b>3.4</b>		<b>5.7</b>		<b>2.9</b>				<b>13.2</b>		<b>90</b>		<b>0.07</b>					<b>0.21</b>
T1-50m	8/26/15	1152	0.20	6.2	0.26	3.6	0.27	3.8	4.3	121	0.35	10.9	6.9	96	0.04	34.51	28.4	8.21	6.10	0.36
T1-50m	11/17/15	950	0.13	4.0	0.44	6.2	0.22	3.1	3.8	107	0.52	16.0	5.6	78	0.07	33.90	27.3	8.26	6.12	0.13
T1-50m	3/1/16	952	0.13	3.9	0.19	2.7	2.20	30.8	0.0	1	0.48	14.8	4.1	57	0.08	34.78	25.4	8.26	5.67	0.09
T1-50m	5/3/16	927	0.14	4.3	0.95	13.3	0.18	2.5	4.6	130	0.43	13.2	5.8	81	0.05	34.55	25.5	8.24	6.17	0.27
<b>Geomean</b>	<b>'15-'16</b>		<b>4.5</b>		<b>5.3</b>		<b>5.5</b>				<b>13.6</b>		<b>77</b>		<b>0.06</b>					<b>0.18</b>

NELHA Water Quality Laboratory  
 Transect 1, Station 3  
 July 1993 - June 2015

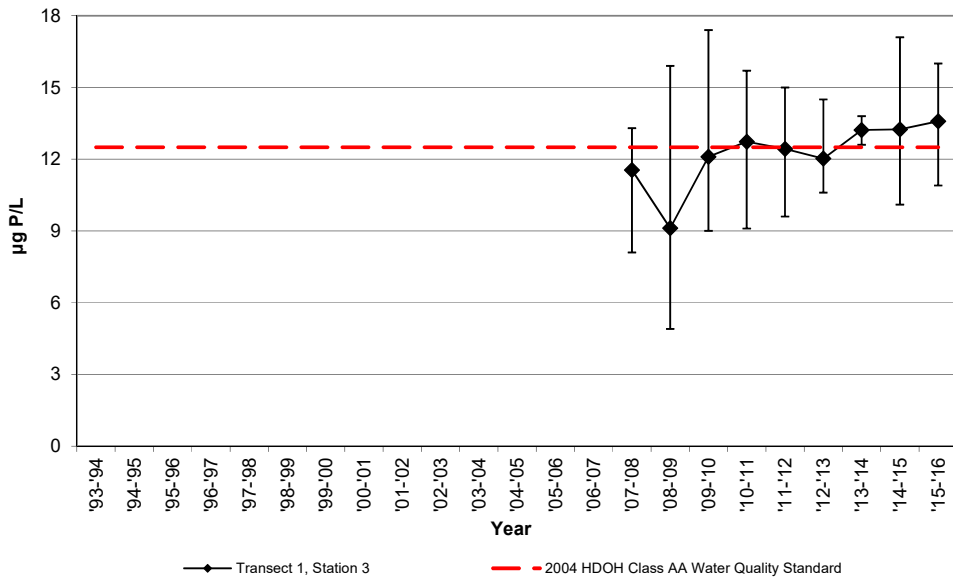
NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Ortho-Phosphate



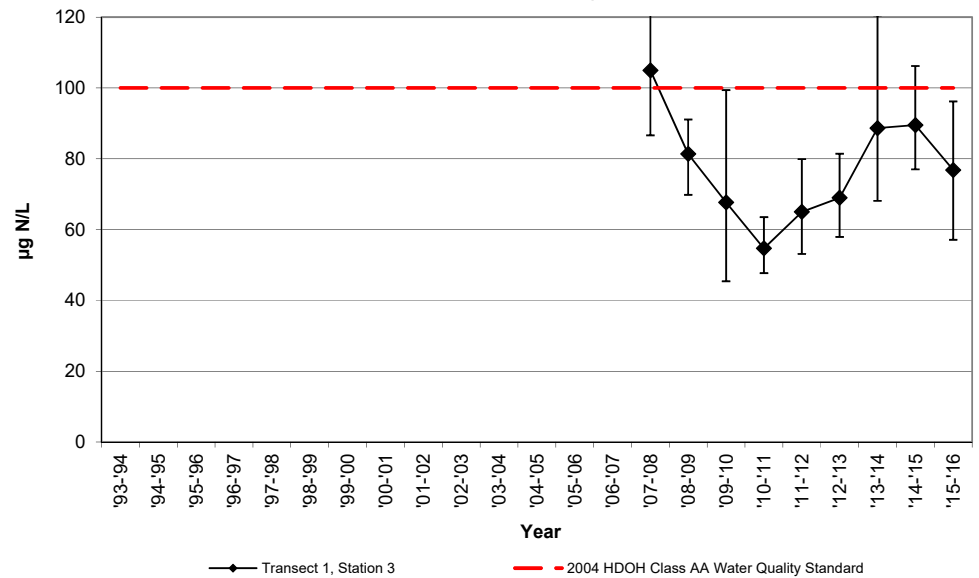
NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Total Dissolved Phosphorous

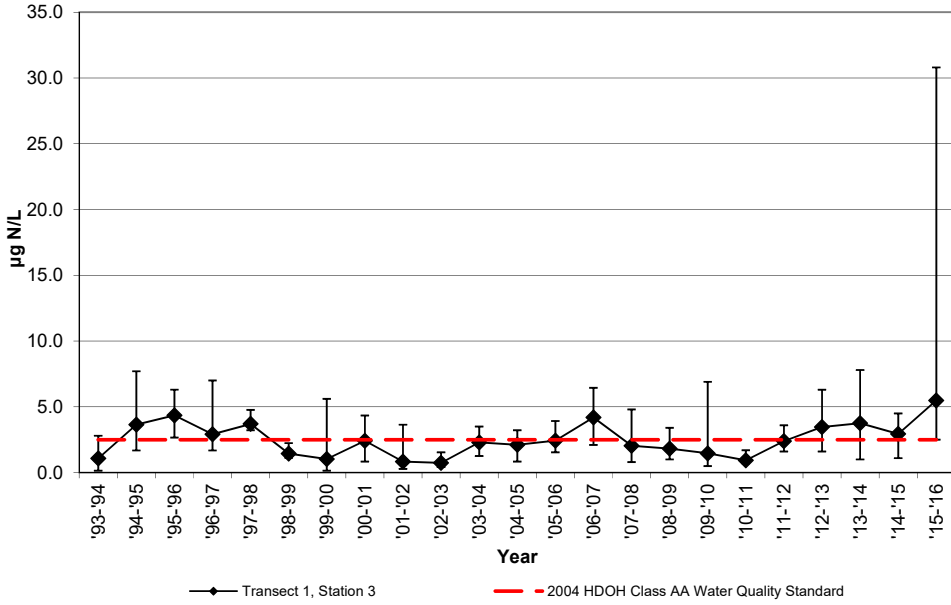


NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Total Dissolved Nitrogen

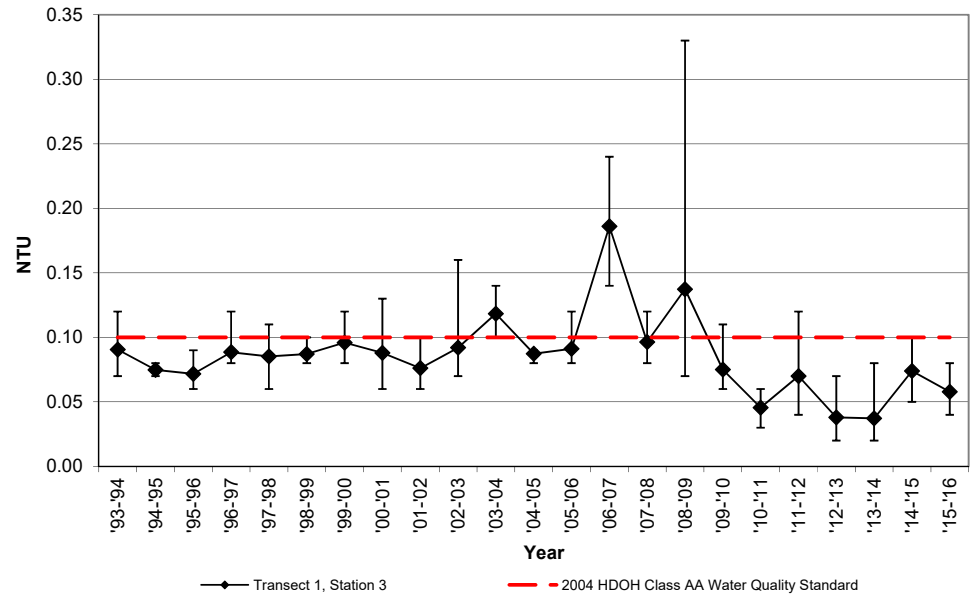


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 Transect 1, Station 3  
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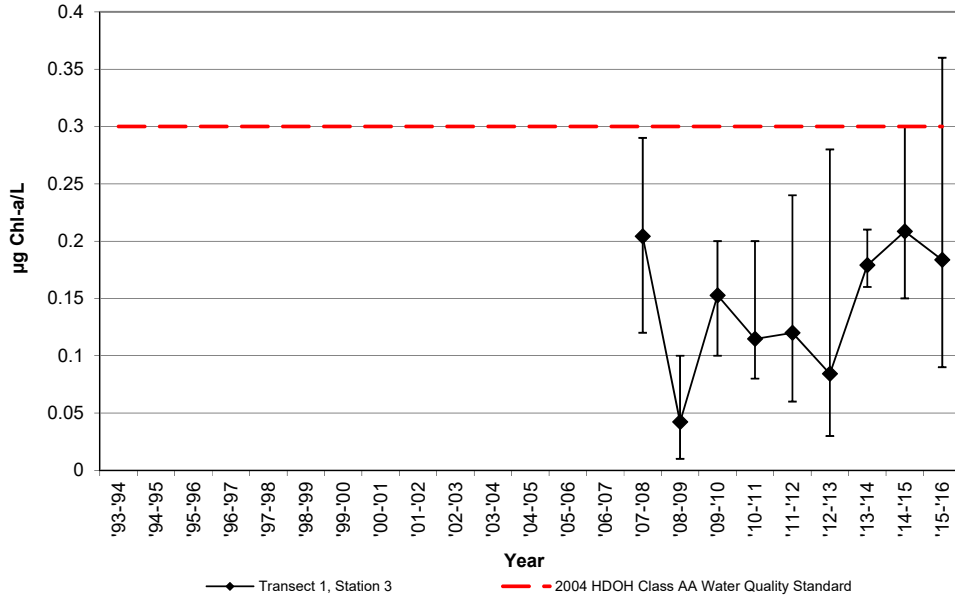
NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 1, Station 3  
 Yearly Geometric Mean of Chlorophyll-a



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Transect 1, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-4S-53m	7/27/93	1136	0.11	3.4	0.09	1.3	0.24	3.4	3.8	107					0.07	34.516	26.6			
O1-4S-53m	12/7/93	1041	0.06	1.9	0.14	2.0	0.11	1.5	2.4	66					0.06	34.817	25.8			
O1-4S-53m	3/16/94	1020	0.19	5.9	0.60	8.4	0.17	2.4	8.3	233					0.11	34.343	24.7			
O1-4S-53m	6/14/94	1008	0.11	3.4	0.02	0.3	0.01	0.1	1.8	49					0.07	34.588	25.4			
<b>Geomean '93-'94</b>			<b>3.4</b>		<b>1.6</b>		<b>1.1</b>								<b>0.08</b>					
O1-4S-53m	9/15/94	1027	0.09	2.8	0.02	0.3	0.11	1.5	2.8	80					0.07	34.633	27.6			
O1-4S-53m	11/16/94	927	0.18	5.6	0.85	11.9	0.52	7.3	10.8	303					0.07	34.325	26.0			
O1-4S-53m	3/21/95	1149	0.18	5.6	0.10	1.4	0.15	2.1	3.3	94					0.08	34.215	25.1			
O1-4S-53m	6/26/95	940	0.21	6.5	1.23	17.2	0.20	2.8	17.5	493					0.08	34.145	26.7			
<b>Geomean '94-'95</b>			<b>4.9</b>		<b>3.0</b>		<b>2.9</b>								<b>0.07</b>					
O1-4S-53m	9/25/95	844	0.16	5.0	1.34	18.8	0.22	3.1	16.2	454					0.13	34.048	27.0			
O1-4S-53m	11/13/95	1140	0.11	3.4	0.01	0.1	0.36	5.0	1.7	49					0.05	34.361	27.1			
O1-4S-53m	3/11/96	921	0.14	4.3	0.79	11.1	0.38	5.3	7.6	215					0.06	34.017	25.3			
O1-4S-53m	5/13/96	844	0.14	4.3	0.82	11.5	0.28	3.9	11.3	316					0.09	34.023	26.6			
<b>Geomean '95-'96</b>			<b>4.2</b>		<b>4.3</b>		<b>4.2</b>								<b>0.08</b>					
O1-4S-53m	7/30/96	840	0.07	2.2	0.28	3.9	0.10	1.4	5.9	165					0.06	34.455	27.9			
O1-4S-53m	10/1/96	1152	0.06	1.9	0.57	8.0	0.61	8.5	7.1	200					0.08	34.720	27.9			
O1-4S-53m	1/6/97	1159	0.09	2.8	0.22	3.1	0.14	2.0	3.6	100					0.08	34.704	25.6			
O1-4S-53m	4/21/97	1146	0.09	2.8	0.40	5.6	0.22	3.1	2.2	61					0.09	34.555	26.4			
<b>Geomean '96-'97</b>			<b>2.4</b>		<b>4.8</b>		<b>2.9</b>								<b>0.08</b>					
O1-4S-53m	8/18/97	1130	0.14	4.3	1.38	19.3	0.23	3.2	17.2	482					0.11	34.185	27.1			
O1-4S-53m	10/6/97	1151	0.10	3.1	0.16	2.2	0.36	5.0	4.0	112					0.07	34.698	27.5			
O1-4S-53m	3/3/98	1152	0.11	3.4	0.56	7.8	0.21	2.9	5.7	160					0.09	34.926	25.1			
O1-4S-53m	5/4/98	1102	0.23	7.1	2.69	37.7	0.26	3.6	28.2	791					0.09	34.213	23.8			
<b>Geomean '97-'98</b>			<b>4.2</b>		<b>10.6</b>		<b>3.6</b>								<b>0.09</b>					
O1-4S-53m	7/6/98	1204	0.10	3.1	0.16	2.2	0.10	1.4	3.8	106					0.11	35.008	26.5			
O1-4S-53m	10/5/98	1134	0.09	2.8	0.12	1.7	0.11	1.5	1.8	50					0.09	34.974	27.4			
O1-4S-53m	1/13/99	1143	0.11	3.4	0.67	9.4	0.18	2.5	8.2	231					0.07	34.942	25.2			
O1-4S-53m	4/12/99	912	0.17	5.3	0.74	10.4	0.08	1.1	9.7	272					0.08	34.500	24.0			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>4.4</b>		<b>1.6</b>								<b>0.09</b>					
O1-4S-53m	7/6/99	915	0.12	3.7	0.19	2.7	0.05	0.7	6.6	184					0.08	34.938	25.6			
O1-4S-53m	10/4/99	1005	0.12	3.7	0.32	4.5	0.13	1.8	4.9	138					0.07	34.938	25.9			
O1-4S-53m	1/4/00	1159	0.15	4.6	1.49	20.9	0.39	5.5	13.1	367					0.08	34.810	24.5			
O1-4S-53m	4/17/00	951	0.14	4.3	0.38	5.3	0.04	0.6	5.8	162					0.05	34.567	24.2			
<b>Geomean '99-'00</b>			<b>4.1</b>		<b>6.0</b>		<b>1.4</b>								<b>0.07</b>					
O1-4S-53m	7/24/00	1220	0.14	4.3	0.94	13.2	0.09	1.3	13.5	378					0.10	34.599	27.4			
O1-4S-53m	10/30/00	1234	0.13	4.0	0.27	3.8	0.31	4.3	6.5	181					0.08	34.912	27.1			
O1-4S-53m	2/26/01	1218	0.21	6.5	1.14	16.0	0.20	2.8	18.1	508					0.10	34.299	24.9			
O1-4S-53m	5/7/01	1008	0.16	5.0	0.95	13.3	0.30	4.2	9.0	253					0.07	34.700	24.6			
<b>Geomean '00-'01</b>			<b>4.9</b>		<b>10.1</b>		<b>2.8</b>								<b>0.09</b>					
O1-4S-53m	8/21/01	1143	0.16	5.0	0.57	8.0	0.02	0.3	5.4	153					0.11	34.713	26.7			
O1-4S-53m	10/8/01	936	0.10	3.1	0.18	2.5	0.11	1.5	3.0	85					0.07	34.940	27.1			
O1-4S-53m	3/5/02	1052	0.14	4.3	0.36	5.0	0.02	0.3	5.0	140					0.09	34.665	24.2			
O1-4S-53m	4/17/02	1112	0.15	4.6	0.33	4.6	0.18	2.5	8.0	225					0.10	34.440	25.7			
<b>Geomean '01-'02</b>			<b>4.2</b>		<b>4.7</b>		<b>0.7</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 1, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-4S-53m	7/8/02	1002	0.14	4.3	0.04	0.6	0.10	1.4	3.2	90					0.10	34.660	26.5			
O1-4S-53m	10/9/02	1055	0.07	2.2	0.35	4.9	0.06	0.8	3.8	106					0.12	34.921	27.0			
O1-4S-53m	3/11/03	941	0.19	5.9	1.95	27.3	0.04	0.6	13.1	367					0.11	34.622	24.5			
O1-4S-53m	4/22/03	1049	0.14	4.3	0.81	11.3	0.08	1.1	6.7	187					0.08	34.902	25.2			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.9</b>		<b>5.4</b>		<b>0.9</b>								<b>0.10</b>					
O1-4S-53m	8/18/03	1055	0.04	1.2	0.01	0.1	0.30	4.2	2.8	78					0.08	34.835	27.8			
O1-4S-53m	10/29/03	1016	0.05	1.5	0.04	0.6	0.05	0.7	3.0	83					0.09	34.839	27.6			
O1-4S-53m	3/11/04	931	0.13	4.0	0.02	0.3	0.05	0.7	1.7	46					n/a	34.241	25.6			
O1-4S-53m	5/20/04	948	0.12	3.7	0.20	2.8	0.21	2.9	4.8	134					n/a	33.48	26.6			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.3</b>		<b>0.5</b>		<b>1.6</b>								<b>0.08</b>					
O1-4S-53m	9/20/04	918	0.09	2.8	0.07	1.0	0.27	3.8	2.3	66					0.18	33.66	27.9			
O1-4S-53m	11/17/04	851	0.10	3.1	0.25	3.5	0.13	1.8	2.4	66					0.09	33.62	27.4			
O1-4S-53m	1/13/05	1014	0.04	1.2	0.01	0.1	0.04	0.6	1.8	49					0.08	34.860	25.9			
O1-4S-53m	4/11/05	1003	0.24	7.4	2.35	32.9	0.25	3.5	16.1	451					0.08	34.031	25.1			
<b>Geomean</b>	<b>'04-'05</b>		<b>3.0</b>		<b>2.0</b>		<b>1.9</b>								<b>0.10</b>					
O1-4S-53m	7/20/05	950	0.13	4.0	1.50	21.0	0.17	2.4	0.9	26					0.10	34.401	26.5			
O1-4S-53m	10/11/05	840	0.05	1.5	0.06	0.8	0.18	2.5	4.2	117					0.08	34.907	26.5			
O1-4S-53m	3/13/06	924	0.10	3.1	0.09	1.3	0.26	3.6	2.6	73					0.10	34.807	24.6			
O1-4S-53m	5/15/06	927	0.16	5.0	1.73	24.2	0.17	2.4	20.0	562					0.12	34.192	25.0			
<b>Geomean</b>	<b>'05-'06</b>		<b>3.1</b>		<b>4.8</b>		<b>2.7</b>								<b>0.10</b>					
O1-4S-53m	8/14/06	916	0.13	4.0	0.54	7.6	0.22	3.1	4.4	124					0.18	34.579	26.5			
O1-4S-53m	11/1/06	920	0.10	3.1	0.33	4.6	0.41	5.7	5.0	141					0.21	34.756	26.7			
O1-4S-53m	2/12/07	943	0.18	5.6	1.40	19.6	0.46	6.4	9.3	261					0.31	34.333	24.5			
O1-4S-53m	4/9/07	919	0.14	4.3	0.51	7.1	0.33	4.6	6.4	180					0.45	34.597	25.3			
<b>Geomean</b>	<b>'06-'07</b>		<b>4.2</b>		<b>8.4</b>		<b>4.8</b>								<b>0.27</b>					
T1-100m	9/26/07	928	0.18	5.7	0.35	4.9	0.12	1.7	4.1	114	0.45	13.8	4.9	68	0.07	34.920	26.8	8.14	6.33	0.16
T1-100m	12/13/07	1039	0.10	3.1	0.27	3.8			15.0	422	0.36	11.2	5.2	73	0.12	34.490	25.7	8.3	6.15	0.27
T1-100m	3/10/08	940	0.14	4.3	0.59	8.2	0.06	0.8	5.6	159	0.45	13.8	8.1	113	0.07	34.841	24.9	8.12	6.59	0.32
T1-100m	6/5/08	941	0.11	3.3	0.24	3.4	0.16	2.2	17.7	497	0.29	9.0	8.0	111	0.08	34.8144	25.0	8.08	6.72	0.2
<b>Geomean</b>	<b>'07-'08</b>		<b>4.0</b>		<b>4.8</b>		<b>1.4</b>				<b>11.8</b>		<b>89</b>		<b>0.08</b>					<b>0.23</b>
T1-100m	9/22/08	1053	0.06	1.8	0.14	2	0.15	2.1	2.3	66	0.25	7.8	4.9	68	0.10	34.814	26.6	8.01	6.83	0.1
T1-100m	11/17/08	932	0.15	4.7	0.07	1	0.14	1.9	3.7	104	0.39	12.1	5.8	81	0.09	34.934	25.7	8.22	6.11	0.07
T1-100m	2/9/09	933	0.09	2.9	0.16	2.2	0.12	1.7	1.7	49	0.22	6.7	5.4	76	0.14	35.058	24.9	8.06	6.15	0.01
T1-100m	4/13/09	923	0.23	7.1	0.23	3.2	0.34	4.7	3.8	107	0.48	14.8	4.9	69	0.16	34.968	24.0	8.15	5.90	0.05
<b>Geomean</b>	<b>'08-'09</b>		<b>3.6</b>		<b>1.9</b>		<b>2.4</b>				<b>9.8</b>		<b>73</b>		<b>0.12</b>					<b>0.04</b>
T1-100m	9/9/09	926	0.13	4.1	0.16	2.2	0.10	1.4	6.0	169	0.50	15.6	5.3	75	0.12	35.16	26.9	8.23	5.50	0.27
T1-100m	11/23/09	942	0.03	0.8	0.43	6	0.12	1.7	33.5	941	0.42	12.9	7.7	108	0.09	35.13	25.3	8.26	6.13	0.13
T1-100m	2/23/10	951	0.17	5.2	0.22	3.1	0.48	6.7	93.0	2612	0.40	12.3	4.4	62	0.05	35.06	24.6	8.21	6.13	0.34
T1-100m	5/25/10	1109	0.02	0.7	0.07	1	0.04	0.5	4.1	114	0.29	9	4.6	65	0.08	35.01	24.9	8.25	6.84	0.1
<b>Geomean</b>	<b>'09-'10</b>		<b>1.9</b>		<b>2.5</b>		<b>1.7</b>				<b>12.2</b>		<b>75</b>		<b>0.08</b>					<b>0.19</b>
T1-100m	8/10/10	948	0.04	1.2	0.92	12.9	0.05	0.7	11.5	324	0.58	17.9	4.9	68	0.09	34.73	25.96	8.24	6.42	0.10
T1-100m	11/8/10	938	0.00	0.1	0.25	3.5	0.17	2.4	2.2	62	0.41	12.6	4.7	66	0.08	35.26	26.42	8.24	6.12	0.06
T1-100m	1/11/11	949	0.13	4.1	0.54	7.5	0.01	0.1	5.6	158	0.45	13.8	3.9	55	0.05	35.01	24.97	8.21	6.47	0.11
T1-100m	4/26/11	950	0.12	3.6	0.34	4.8	0.15	2.1	10.5	295	0.43	13.4	4.2	59	0.06	34.97	25.02	8.22	6.46	0.12
<b>Geomean</b>	<b>'10-'11</b>		<b>1.2</b>		<b>6.3</b>		<b>0.8</b>				<b>14.3</b>		<b>62</b>		<b>0.07</b>					<b>0.09</b>

NELHA Water Quality Laboratory

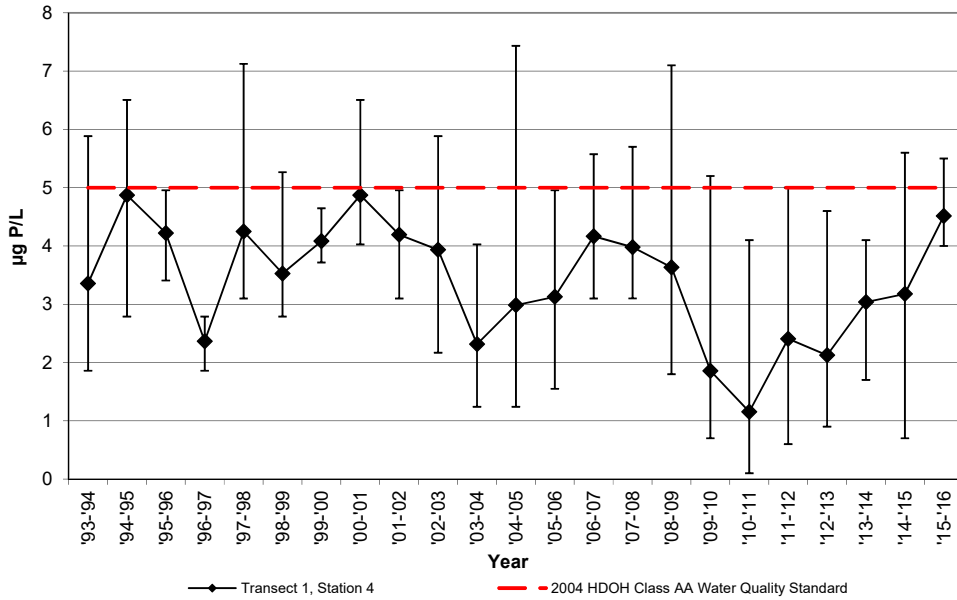
Transect 1, Station 4

July 1993 - June 2015

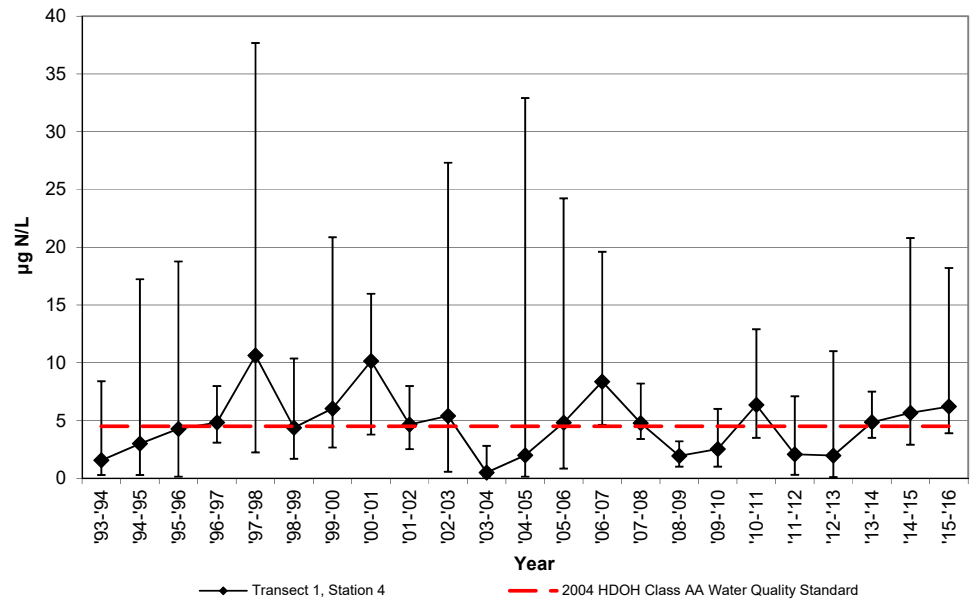
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T1-100m	7/26/11	1006	0.16	5	0.02	0.3	0.09	1.3	1.8	50	0.48	14.8	5.1	71	0.08	34.86	26.18	8.26	6.42	0.07
T1-100m	10/18/11	938	0.02	0.6	0.21	2.9	0.18	2.5	3.2	90	0.32	9.8	5.7	80	0.07	35.05	26.58	8.20	6.55	0.09
T1-100m	1/25/12	1006	0.10	3.2	0.51	7.1	0.11	1.5	5.7	159	0.47	14.5	5.6	78	0.09	34.93	24.62	8.17	6.53	0.10
T1-100m	4/24/12	1031	0.11	3.5	0.21	3	0.16	2.3	2.8	79	0.40	12.5	4.3	60	0.13	35.07	24.78	8.21	6.60	0.07
<b>Geomean</b>	<b>'11-'12</b>		<b>2.4</b>		<b>2.1</b>		<b>1.8</b>				<b>12.7</b>		<b>72</b>		<b>0.09</b>					<b>0.08</b>
T1-100m	7/24/12	951	0.03	0.9	0.37	5.2	0.23	3.2	2.4	69	0.30	9.4	4.1	58	0.08	35.08	26.30	8.23	6.81	0.14
T1-100m	11/27/12	944	0.09	2.9	0.79	11	0.31	4.3	6.5	184	0.48	15	6.5	91	0.05	35.10	25.07	8.20	6.74	0.20
T1-100m	1/24/13	950	0.05	1.7	0.01	0.1	0.18	2.5	1.1	32	0.44	13.5	5.0	70	0.06	35.10	24.80	8.23	6.43	0.05
T1-100m	4/16/13	956	0.15	4.6	0.19	2.6	0.14	2	0.7	21	0.47	14.5	4.9	68	0.03	35.17	24.90	8.20	6.85	0.05
<b>Geomean</b>	<b>'12-'13</b>		<b>2.1</b>		<b>2.0</b>		<b>2.9</b>				<b>12.9</b>		<b>71</b>		<b>0.05</b>					<b>0.09</b>
T1-100m	8/1/13	905	0.05	1.7	0.34	4.7	0.06	0.8	5.2	145	0.41	12.7	5.1	71	0.06	35.08	26.0	8.24	6.69	0.13
T1-100m	10/29/13	940	0.13	4.1	0.25	3.5	0.57	8.0	2.2	62	0.43	13.4	6.2	87	0.02	35.30	27.1	8.21	6.17	0.23
T1-100m	2/4/14	941	0.12	3.7	0.54	7.5	0.41	5.8	4.3	121	0.39	12.1	6.4	90	0.02	34.87	25.2	8.21	6.31	0.16
T1-100m	5/6/14	940	0.11	3.3	0.32	4.5	0.30	4.2	3.2	91	0.45	13.9	6.5	91	0.06	34.74	25.9	8.22	6.37	0.17
<b>Geomean</b>	<b>'13-'14</b>		<b>3.0</b>		<b>4.9</b>		<b>3.5</b>				<b>13.0</b>		<b>84</b>		<b>0.03</b>					<b>0.17</b>
T1-100m	8/5/14	952	0.18	5.6	0.24	3.4	0.41	5.8	2.6	74	0.54	16.6	5.4	75	0.09	34.94	26.8	8.21	5.93	0.13
T1-100m	11/17/14	1130	0.17	5.2	0.21	2.9	0.46	6.4	0.7	20	0.43	13.4	6.2	87	0.09	34.99	27.1	8.22	6.78	0.22
T1-100m	3/3/15	946	0.02	0.7	0.36	5.0	0.07	1.0	2.9	82	0.32	10.0	8.0	113	0.07	34.79	25.5	8.15	6.74	0.14
T1-100m	6/16/15	1057	0.16	5.0	1.49	20.8	0.27	3.8	11.0	309	0.55	16.9	6.5	91	0.05	35.81	26.5	8.20	6.05	0.15
<b>Geomean</b>	<b>'14-'15</b>		<b>3.2</b>		<b>5.7</b>		<b>3.4</b>				<b>13.9</b>		<b>90</b>		<b>0.07</b>					<b>0.16</b>
T1-100m	8/26/15	1157	0.13	4.0	0.28	3.9	0.21	2.9	5.1	142	0.40	12.4	3.8	53	0.03	34.44	28.4	8.21	6.03	0.43
T1-100m	11/17/15	956	0.14	4.2	0.36	5.1	0.14	1.9	3.5	98	0.53	16.5	7.3	103	0.05	33.92	27.3	8.21	6.11	0.18
T1-100m	3/1/16	958	0.15	4.5	0.29	4.1	0.31	4.4	0.6	17	0.47	14.5	5.4	75	0.07	34.77	25.4	8.24	5.68	0.08
T1-100m	5/3/16	931	0.18	5.5	1.30	18.2	0.21	3.0	8.5	240	0.42	12.9	7.3	103	0.07	34.57	25.5	8.23	6.26	0.29
<b>Geomean</b>	<b>'15-'16</b>		<b>4.5</b>		<b>6.2</b>		<b>2.9</b>				<b>14.0</b>		<b>81</b>		<b>0.05</b>					<b>0.21</b>

NELHA Water Quality Laboratory  
 Transect 1, Station 4  
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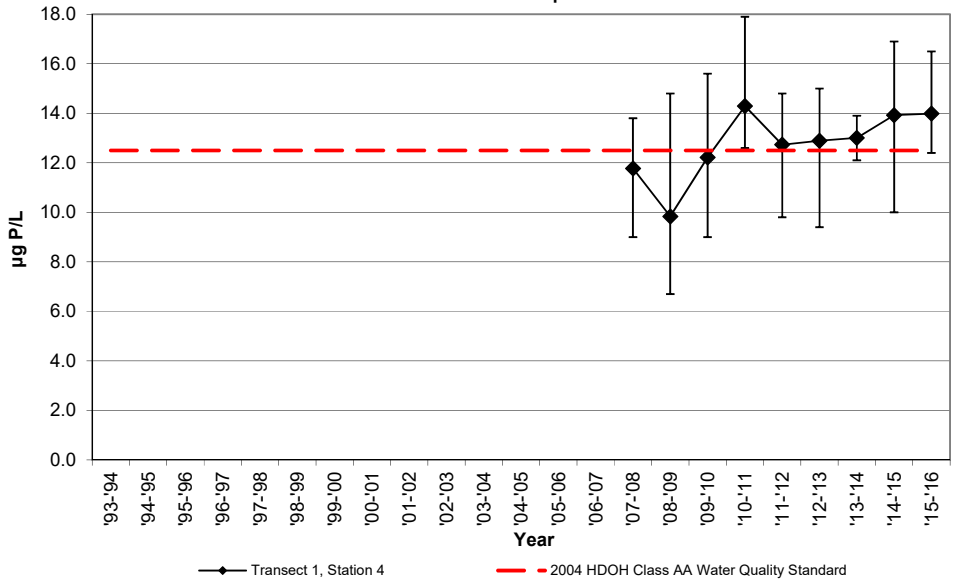
NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of Ortho-Phosphate



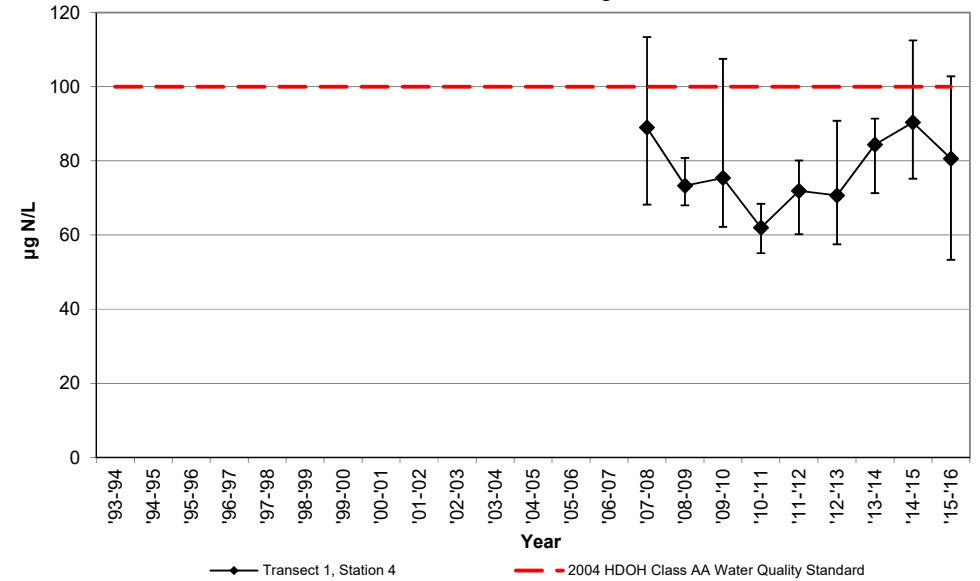
NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorus

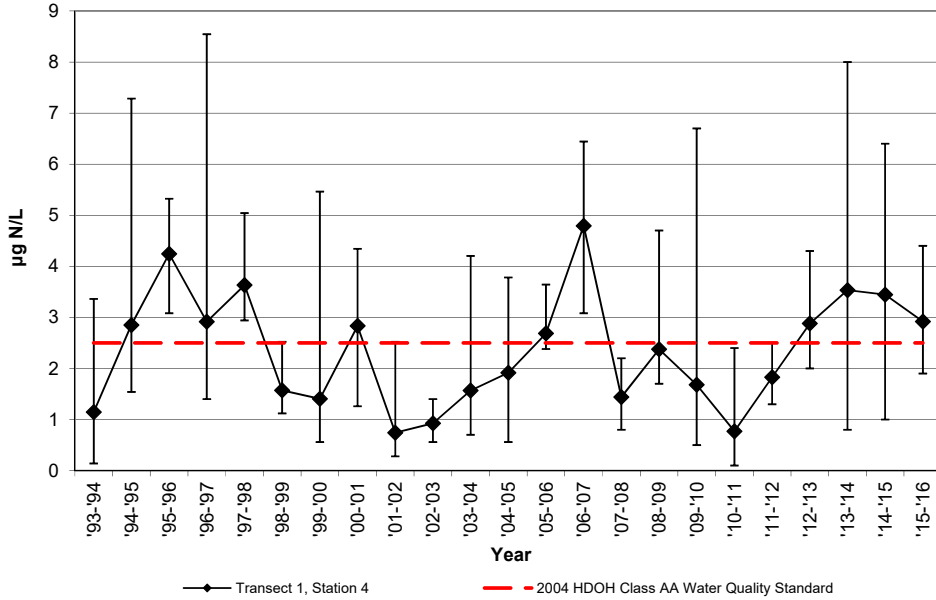


NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

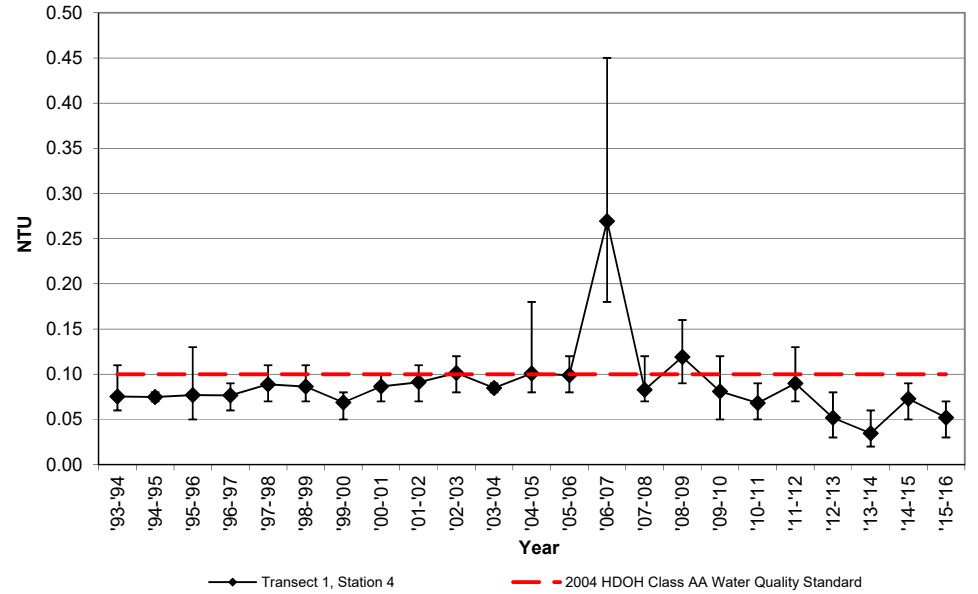


NELHA Water Quality Laboratory  
 Transect 1, Station 4  
 July 1993 - June 2015

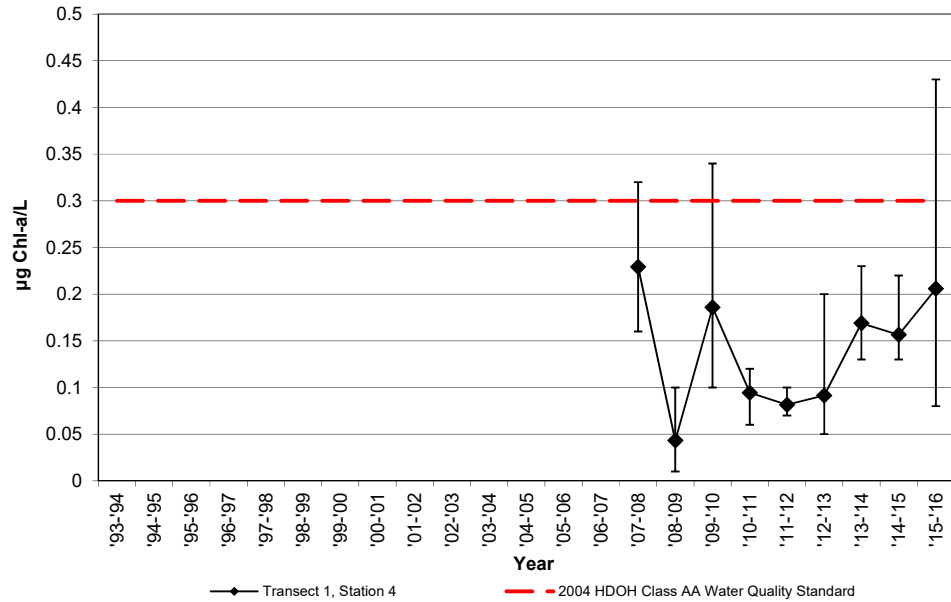
NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 1, Station 4  
 Yearly Geometric Mean of Chlorophyll-a





NELHA Water Quality Laboratory

Transect 1, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)							
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>						<b>0.30</b>
O1-5S-69m	7/27/93	1125	0.04	1.2	0.01	0.1	0.18	2.5	3.8	107			0.07	34.499	26.6				
O1-5S-69m	12/7/93	1031	0.06	1.9	0.10	1.4	0.18	2.5	2.4	68			0.08	34.817	25.9				
O1-5S-69m	3/16/94	1012	0.18	5.6	0.45	6.3	0.20	2.8	9.0	252			0.09	34.400	24.8				
O1-5S-69m	6/14/94	1001	0.10	3.1	0.04	0.6	0.01	0.1	2.0	57			0.08	34.585	25.4				
<b>Geomean</b>	<b>'93-'94</b>		<b>2.5</b>		<b>0.9</b>		<b>1.3</b>						<b>0.08</b>						
O1-5S-69m	9/15/94	1020	0.08	2.5	0.02	0.3	0.09	1.3	3.6	101			0.09	34.634	27.6				
O1-5S-69m	11/16/94	923	0.18	5.6	0.92	12.9	0.55	7.7	12.3	345			0.06	34.295	26.0				
O1-5S-69m	3/21/95	1142	0.17	5.3	0.01	0.1	0.12	1.7	4.1	115			0.10	34.215	25.1				
O1-5S-69m	6/26/95	940	0.17	5.3	1.19	16.7	0.53	7.4	15.2	426			0.08	34.165	26.7				
<b>Geomean</b>	<b>'94-'95</b>		<b>4.4</b>		<b>1.7</b>		<b>3.3</b>						<b>0.08</b>						
O1-5S-69m	9/25/95	835	0.11	3.4	0.52	7.3	0.26	3.6	10.2	286			0.12	34.388	27.1				
O1-5S-69m	11/13/95	1131	0.11	3.4	0.02	0.3	0.40	5.6	2.1	58			0.06	34.370	27.1				
O1-5S-69m	3/11/96	914	0.14	4.3	0.74	10.4	0.39	5.5	7.2	202			0.08	34.285	25.0				
O1-5S-69m	5/13/96	838	0.10	3.1	0.01	0.1	0.26	3.6	3.1	88			0.05	34.311	27.4				
<b>Geomean</b>	<b>'95-'96</b>		<b>3.5</b>		<b>1.3</b>		<b>4.5</b>						<b>0.07</b>						
O1-5S-69m	7/30/96	830	0.09	2.8	0.31	4.3	0.12	1.7	3.9	108			0.08	34.448	28.2				
O1-5S-69m	10/1/96	1147	0.06	1.9	1.42	19.9	0.69	9.7	15.4	431			0.08	34.280	27.8				
O1-5S-69m	1/6/97	1153	0.09	2.8	0.16	2.2	0.17	2.4	3.0	84			0.08	34.700	25.7				
O1-5S-69m	4/21/97	1136	0.09	2.8	0.38	5.3	0.25	3.5	1.9	54			0.07	34.554	26.5				
<b>Geomean</b>	<b>'96-'97</b>		<b>2.5</b>		<b>5.7</b>		<b>3.4</b>						<b>0.08</b>						
O1-5S-69m	8/18/97	1125	0.17	5.3	1.90	26.6	0.23	3.2	22.4	628			0.11	34.021	27.2				
O1-5S-69m	10/6/97	1145	0.10	3.1	0.24	3.4	0.32	4.5	13.8	387			0.08	34.665	27.4				
O1-5S-69m	3/3/98	1145	0.11	3.4	0.50	7.0	0.22	3.1	7.3	204			0.08	34.936	25.1				
O1-5S-69m	5/4/98	1056	0.28	8.7	3.87	54.2	0.21	2.9	65.9	1851			0.10	33.838	23.7				
<b>Geomean</b>	<b>'97-'98</b>		<b>4.7</b>		<b>13.6</b>		<b>3.4</b>						<b>0.09</b>						
O1-5S-69m	7/6/98	1155	0.10	3.1	0.16	2.2	0.10	1.4	4.1	115			0.10	34.997	26.4				
O1-5S-69m	10/5/98	1127	0.12	3.7	0.81	11.3	0.16	2.2	7.5	211			0.10	34.926	27.3				
O1-5S-69m	1/13/99	1137	0.13	4.0	1.11	15.5	0.10	1.4	11.5	324			0.11	34.822	25.2				
O1-5S-69m	4/12/99	906	0.18	5.6	1.46	20.4	0.08	1.1	15.5	435			0.09	34.307	24.0				
<b>Geomean</b>	<b>'98-'99</b>		<b>4.0</b>		<b>9.5</b>		<b>1.5</b>						<b>0.10</b>						
O1-5S-69m	7/6/99	910	0.11	3.4	0.16	2.2	0.09	1.3	5.0	139			0.09	34.936	25.6				
O1-5S-69m	10/4/99	1000	0.15	4.6	0.64	9.0	0.16	2.2	17.2	482			0.10	34.796	26.0				
O1-5S-69m	1/4/00	1154	0.12	3.7	1.23	17.2	0.40	5.6	10.9	305			0.08	34.884	24.6				
O1-5S-69m	4/17/00	946	0.19	5.9	1.40	19.6	0.02	0.3	16.8	472			0.05	34.221	24.3				
<b>Geomean</b>	<b>'99-'00</b>		<b>4.3</b>		<b>9.1</b>		<b>1.5</b>						<b>0.08</b>						
O1-5S-69m	7/24/00	1212	0.10	3.1	0.23	3.2	0.03	0.4	3.1	87			0.09	34.879	27.2				
O1-5S-69m	10/30/00	1228	0.14	4.3	0.36	5.0	0.36	5.0	6.9	195			0.08	34.877	27.1				
O1-5S-69m	2/26/01	1210	0.22	6.8	1.44	20.2	0.20	2.8	26.5	743			0.11	34.138	24.8				
O1-5S-69m	5/7/01	1003	0.14	4.3	0.80	11.2	0.31	4.3	8.3	232			0.08	34.720	24.6				
<b>Geomean</b>	<b>'00-'01</b>		<b>4.5</b>		<b>7.8</b>		<b>2.3</b>						<b>0.09</b>						
O1-5S-69m	8/21/01	1126	0.14	4.3	0.29	4.1	0.02	0.3	4.0	112			0.12	34.745	26.7				
O1-5S-69m	10/8/01	929	0.12	3.7	0.11	1.5	0.07	1.0	3.0	83			0.08	34.929	27.2				
O1-5S-69m	3/5/02	1046	0.15	4.6	0.49	6.9	0.06	0.8	7.4	208			0.11	34.574	24.3				
O1-5S-69m	4/17/02	1107	0.13	4.0	0.23	3.2	0.22	3.1	3.6	102			0.08	34.455	25.7				
<b>Geomean</b>	<b>'01-'02</b>		<b>4.2</b>		<b>3.4</b>		<b>0.9</b>						<b>0.10</b>						

NELHA Water Quality Laboratory

Transect 1, Station 5

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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O1-5S-69m	7/8/02	955	0.12	3.7	0.12	1.7	0.12	1.7	4.7	131					0.08	34.638	26.5			
O1-5S-69m	10/9/02	1050	0.04	1.2	0.11	1.5	0.06	0.8	4.6	130					0.07	34.956	26.9			
O1-5S-69m	3/11/03	933	0.17	5.3	1.62	22.7	0.04	0.6	11.0	308					0.09	34.738	24.4			
O1-5S-69m	4/22/03	1044	0.12	3.7	1.28	17.9	0.09	1.3	7.9	222					0.08	34.845	25.2			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.1</b>		<b>5.7</b>		<b>1.0</b>								<b>0.08</b>					
O1-5S-69m	8/18/03	1040	0.04	1.2	0.01	0.1	0.30	4.2	3.4	95					0.02	34.806	27.6			
O1-5S-69m	10/29/03	1006	0.12	3.7	0.01	0.1	0.09	1.3	1.2	34					0.07	34.846	27.5			
O1-5S-69m	3/11/04	924	0.16	5.0	0.66	9.2	0.05	0.7	11.3	316					n/a	34.279	25.8			
O1-5S-69m	5/20/04	954	0.12	3.7	0.08	1.1	0.18	2.5	3.2	91					n/a	33.45	26.6			
<b>Geomean</b>	<b>'03-'04</b>		<b>3.0</b>		<b>0.7</b>		<b>1.7</b>								<b>0.04</b>					
O1-5S-69m	9/20/04	912	0.09	2.8	0.08	1.1	0.27	3.8	2.4	68					0.08	33.73	n/a			
O1-5S-69m	11/17/04	844	0.09	2.8	0.18	2.5	0.16	2.2	2.2	62					0.08	33.65	26.8			
O1-5S-69m	1/13/05	1010	0.05	1.5	0.19	2.7	0.05	0.7	2.7	77					0.08	34.854	25.9			
O1-5S-69m	4/11/05	955	0.20	6.2	1.66	23.3	0.38	5.3	12.4	348					0.08	34.175	25.1			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.9</b>		<b>3.6</b>		<b>2.4</b>								<b>0.08</b>					
O1-5S-69m	7/20/05	940	0.06	1.9	0.01	0.1	0.13	1.8	1.6	46					0.10	34.730	25.1			
O1-5S-69m	10/11/05	833	0.05	1.5	0.05	0.7	0.13	1.8	2.5	70					0.11	34.906	26.5			
O1-5S-69m	3/13/06	915	0.10	3.1	0.01	0.1	0.25	3.5	2.4	66					0.13	34.824	24.5			
O1-5S-69m	5/15/06	920	0.18	5.6	1.80	25.2	0.11	1.5	17.6	494					0.26	34.243	24.6			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.7</b>		<b>0.8</b>		<b>2.1</b>								<b>0.14</b>					
O1-5S-69m	8/14/06	911	0.17	5.3	0.43	6.0	0.33	4.6	4.6	129					0.18	34.579	26.6			
O1-5S-69m	11/1/06	916	0.12	3.7	0.68	9.5	0.46	6.4	6.6	186					0.47	34.748	26.7			
O1-5S-69m	2/12/07	937	0.21	6.5	2.43	34.0	0.26	3.6	14.3	402					0.23	34.175	24.5			
O1-5S-69m	4/9/07	909	0.12	3.7	0.19	2.7	0.40	5.6	4.0	111					0.44	34.664	25.5			
<b>Geomean</b>	<b>'06-'07</b>		<b>4.7</b>		<b>8.5</b>		<b>5.0</b>								<b>0.30</b>					
T1-500m	9/26/07	832	0.11	3.5	0.06	0.9	0.31	4.4	5.0	141	0.32	9.9	4.2	59	0.07	34.992	26.8	8.11	6.20	0.05
T1-500m	12/13/07	1044	0.15	4.7	0.03	0.4			5.6	157	0.42	13.0	6.3	89	0.18	34.720	25.7	8.28	6.20	0.2
T1-500m	3/10/08	946	0.15	4.7	0.36	5.1	0.06	0.8	4.5	127	0.38	11.8	7.6	106	0.10	34.888	25.0	8.2	6.53	0.21
T1-500m	6/5/08	941	0.12	3.8	0.13	1.8	0.16	2.2	16.6	466	0.26	7.9	6.5	92	0.08	34.8146	25.0	8.07	6.63	0.13
<b>Geomean</b>	<b>'07-'08</b>		<b>4.1</b>		<b>1.3</b>		<b>2.0</b>				<b>10.5</b>		<b>84</b>		<b>0.10</b>					<b>0.13</b>
T1-500m	9/22/08	1101	0.05	1.4	0.05	0.7	0.14	2	1.4	40	0.25	7.8	5.9	83	0.08	34.839	26.7	8.02	6.27	0.05
T1-500m	11/17/08	939	0.16	5	0.04	0.5	0.14	1.9	2.8	80	0.37	11.5	5.5	77	0.20	34.966	25.6	8.24	5.99	0.08
T1-500m	2/9/09	939	0.09	2.9	0.21	2.9	0.12	1.7	2.9	81	0.17	5.2	4.9	69	0.09	35.047	24.9	8.06	6.04	0.01
T1-500m	4/13/09	932	0.14	4.4	0.30	4.2	3.47	48.6	4.6	128	0.48	15	10.5	147	0.18	34.924	24.1	8.15	6.03	0.1
<b>Geomean</b>	<b>'08-'09</b>		<b>3.1</b>		<b>1.4</b>		<b>4.2</b>				<b>9.1</b>		<b>90</b>		<b>0.13</b>					<b>0.04</b>
T1-500m	9/9/09	935	0.11	3.5	0.11	1.6	0.12	1.7	6.1	171	0.53	16.4	6.4	90	0.11	35.20	26.8	8.20	5.66	0.26
T1-500m	11/23/09	951	0.03	0.8	0.08	1.1	0.05	0.7	15.9	448	0.40	12.5	5.1	72	0.07	35.18	25.3	8.25	6.16	0.18
T1-500m	2/23/10	1002	0.15	4.6	0.00	0.05	0.48	6.7	14.5	407	0.38	11.9	4.0	57	0.04	35.06	24.6	8.21	6.03	0.23
T1-500m	5/25/10	1115	0.01	0.3	0.01	0.1	0.04	0.5	2.3	66	0.31	9.6	4.8	67	0.11	35.06	25.2	8.22	6.87	0.05
<b>Geomean</b>	<b>'09-'10</b>		<b>1.4</b>		<b>0.3</b>		<b>1.4</b>				<b>12.4</b>		<b>70</b>		<b>0.08</b>					<b>0.15</b>
T1-500m	8/10/10	955	0.02	0.6	0.67	9.4	0.05	0.7	7.2	202	0.27	8.3	3.6	50	0.06	34.77	25.98	8.22	6.28	0.06
T1-500m	11/8/10	943	0.00	0.1	0.02	0.3	0.07	1.0	7.0	197	0.32	9.9	4.4	62	0.04	35.31	26.58	8.25	6.17	0.03
T1-500m	1/11/11	957	0.11	3.5	0.00	0.05	0.07	1.0	0.6	17	0.42	13.1	3.0	43	0.04	35.04	25.12	8.21	6.34	0.13
T1-500m	4/26/11	935	0.10	3.2	0.21	3	0.08	1.1	4.7	132	0.46	14.1	3.5	49	0.08	34.94	25.03	8.22	6.33	0.14
<b>Geomean</b>	<b>'10-'11</b>		<b>0.9</b>		<b>0.8</b>		<b>0.9</b>				<b>11.1</b>		<b>51</b>		<b>0.05</b>					<b>0.08</b>

NELHA Water Quality Laboratory

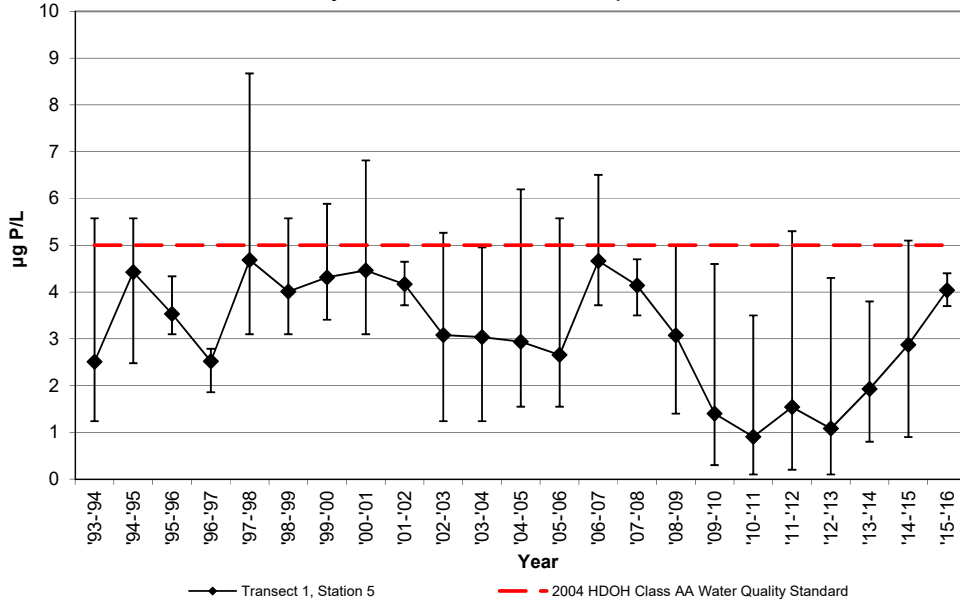
Transect 1, Station 5

July 1993 - June 2015

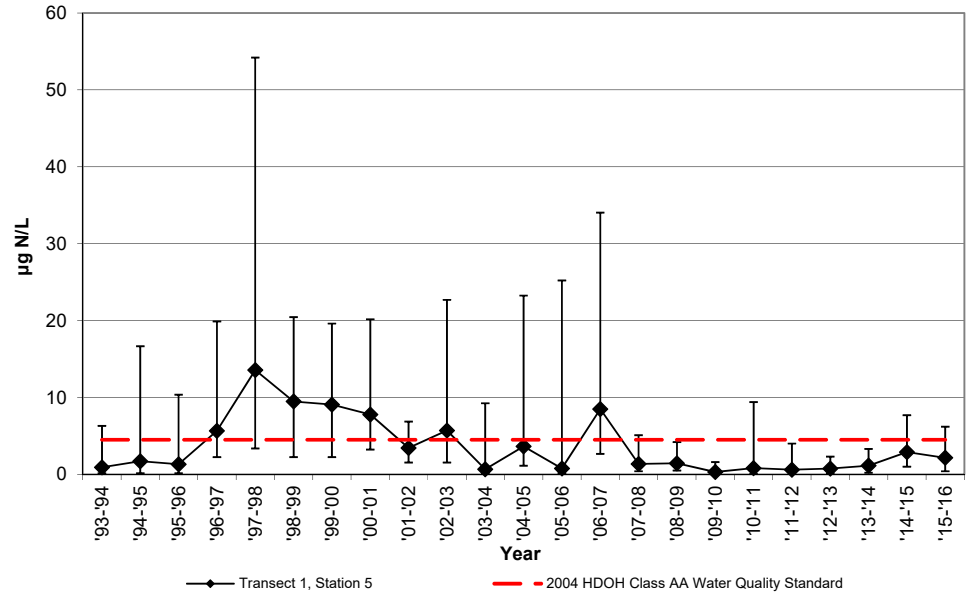
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T1-500m	7/26/11	1017	0.17	5.3	0.29	4	0.06	0.9	2.7	76	0.48	14.8	5.4	76	0.08	34.79	26.10	8.26	6.32	0.08
T1-500m	10/18/11	947	0.01	0.2	0.03	0.4	0.11	1.5	2.0	55	0.39	12	5.5	77	0.08	35.06	26.60	8.23	6.78	0.13
T1-500m	1/25/12	1013	0.06	1.9	0.01	0.2	0.04	0.6	1.8	51	0.41	12.7	6.2	87	0.07	35.04	24.77	8.20	6.74	0.08
T1-500m	4/26/11	935	0.09	2.8	0.03	0.4	0.15	2.1	0.9	24	0.38	11.9	4.4	62	0.11	35.19	24.64	8.22	6.66	0.08
<b>Geomean</b>	<b>'11-'12</b>		<b>1.5</b>		<b>0.6</b>		<b>1.1</b>				<b>12.8</b>		<b>75</b>		<b>0.08</b>					<b>0.09</b>
T1-500m	7/24/12	956	0.00	0.1	0.16	2.3	0.09	1.3	1.6	44	0.37	11.5	5.5	77	0.03	35.09	26.36	8.23	6.76	0.08
T1-500m	11/27/12	950	0.06	2	0.16	2.3	0.31	4.4	2.5	71	0.42	13	5.9	82	0.09	35.22	25.10	8.21	6.87	0.09
T1-500m	1/24/13	957	0.05	1.6	0.01	0.1	0.12	1.7	1.1	31	0.47	14.5	6.2	88	0.04	35.10	24.69	8.22	6.33	0.09
T1-500m	4/16/13	1003	0.14	4.3	0.04	0.6	0.07	1	0.7	18	0.46	14.3	6.2	88	0.03	35.12	24.91	8.21	6.74	0.05
<b>Geomean</b>	<b>'12-'13</b>		<b>1.1</b>		<b>0.8</b>		<b>1.8</b>				<b>13.3</b>		<b>83</b>		<b>0.04</b>					<b>0.08</b>
T1-500m	8/1/13	911	0.03	0.8	0.24	3.3	0.06	0.9	6.6	184	0.41	12.6	5.7	80	0.06	35.09	26.0	8.25	6.14	0.15
T1-500m	10/29/13	946	0.12	3.8	0.18	2.5	0.41	5.8	2.3	66	0.42	13.0	5.3	74	0.02	35.28	27.1	8.20	6.13	0.24
T1-500m	2/4/14	949	0.08	2.4	0.07	1.0	0.24	3.4	2.9	80	0.41	12.8	6.3	89	0.02	34.91	25.3	8.23	6.25	0.22
T1-500m	5/6/14	951	0.06	1.9	0.01	0.2	0.15	2.1	1.2	33	0.43	13.3	6.0	84	0.06	34.83	26.0	8.22	6.12	0.14
<b>Geomean</b>	<b>'13-'14</b>		<b>1.9</b>		<b>1.1</b>		<b>2.5</b>				<b>12.9</b>		<b>81</b>		<b>0.03</b>					<b>0.18</b>
T1-500m	8/5/14	957	0.16	5.1	0.07	1.0	0.31	4.4	1.2	34	0.55	16.9	5.0	69	0.11	34.98	26.8	8.22	5.86	0.11
T1-500m	11/17/14	1137	0.15	4.5	0.09	1.2	0.42	5.9	0.5	13	0.42	13.0	5.3	74	0.10	35.00	27.1	8.21	6.81	0.22
T1-500m	3/3/15	953	0.03	0.9	0.54	7.6	0.09	1.2	5.1	144	0.10	3.2	7.0	98	0.07	34.72	25.6	8.15	6.66	0.16
T1-500m	6/16/15	1104	0.11	3.3	0.55	7.7	0.19	2.6	4.8	135	0.41	12.6	5.7	80	0.05	34.11	26.6	8.21	6.02	0.18
<b>Geomean</b>	<b>'14-'15</b>		<b>2.9</b>		<b>2.9</b>		<b>3.0</b>				<b>9.7</b>		<b>79</b>		<b>0.08</b>					<b>0.16</b>
T1-500m	8/26/15	1204	0.12	3.7	0.03	0.4	0.18	2.5	1.1	31	0.39	12.2	4.8	67	0.02	34.60	28.6	8.21	6.25	0.11
T1-500m	11/17/15	1004	0.14	4.3	0.44	6.2	0.19	2.6	4.7	132	0.52	16.2	6.1	85	0.05	33.95	27.3	8.21	6.19	0.19
T1-500m	3/1/16	1005	0.14	4.4	0.39	5.4	1.06	14.8	2.5	71	0.46	14.4	5.7	80	0.07	34.71	25.5	8.24	5.70	0.10
T1-500m	5/3/16	937	0.12	3.8	0.11	1.6	0.09	1.3	0.3	9	0.47	14.6	10.1	142	0.06	34.72	25.5	8.27	6.38	0.24
<b>Geomean</b>	<b>'15-'16</b>		<b>4.0</b>		<b>2.2</b>		<b>3.3</b>				<b>14.3</b>		<b>90</b>		<b>0.05</b>					<b>0.15</b>

NELHA Water Quality Laboratory  
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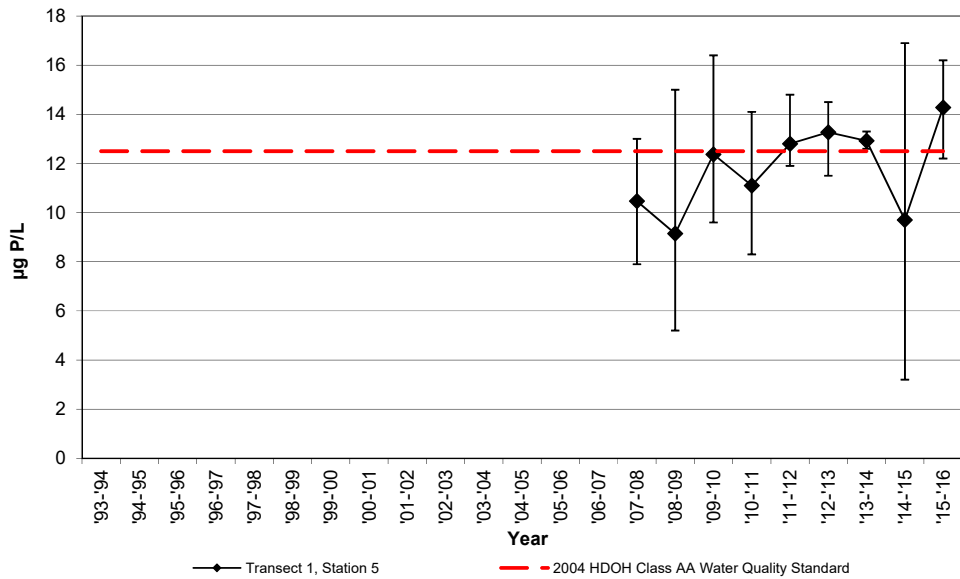
NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Ortho-Phosphate



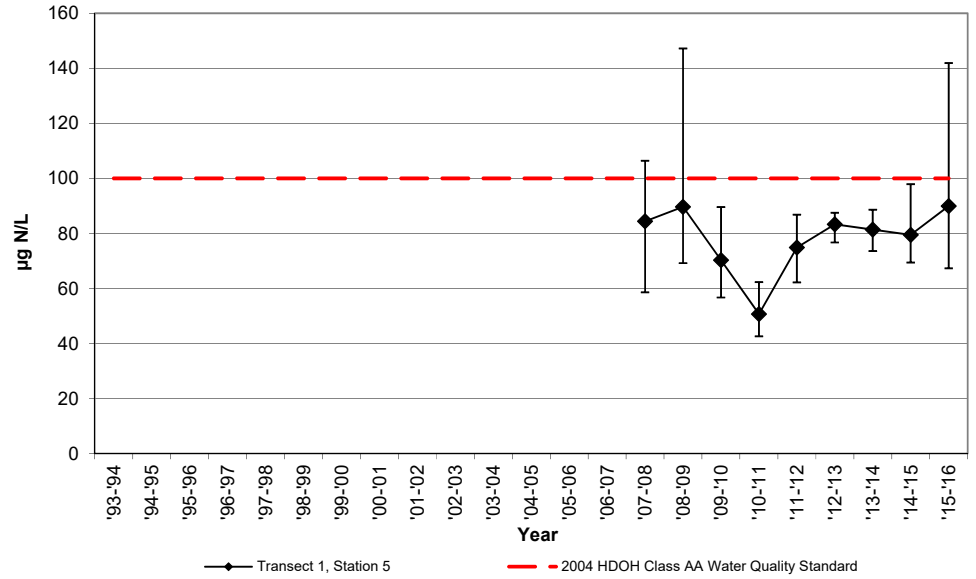
NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Total Dissolved Phosphorous

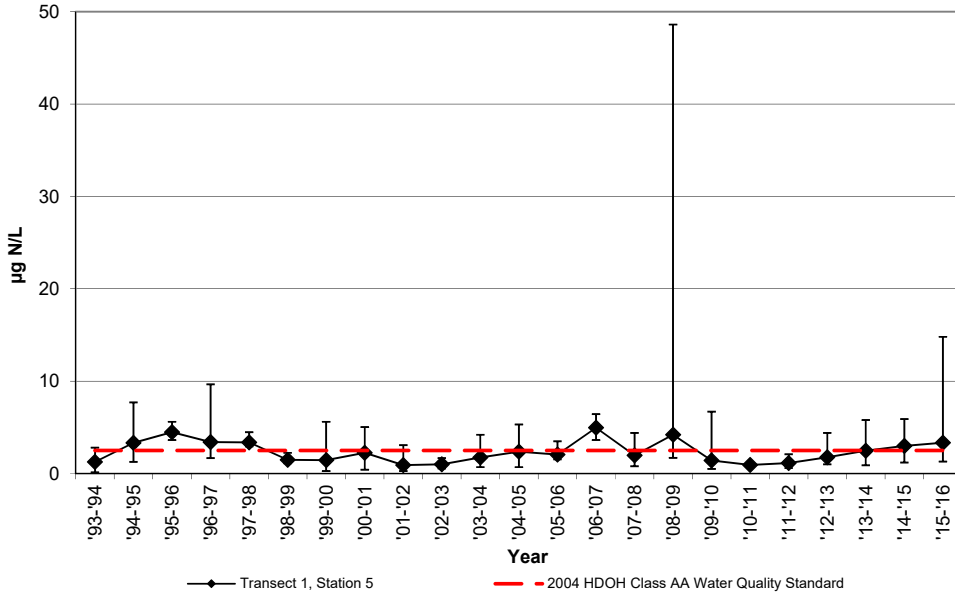


NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Total Dissolved Nitrogen

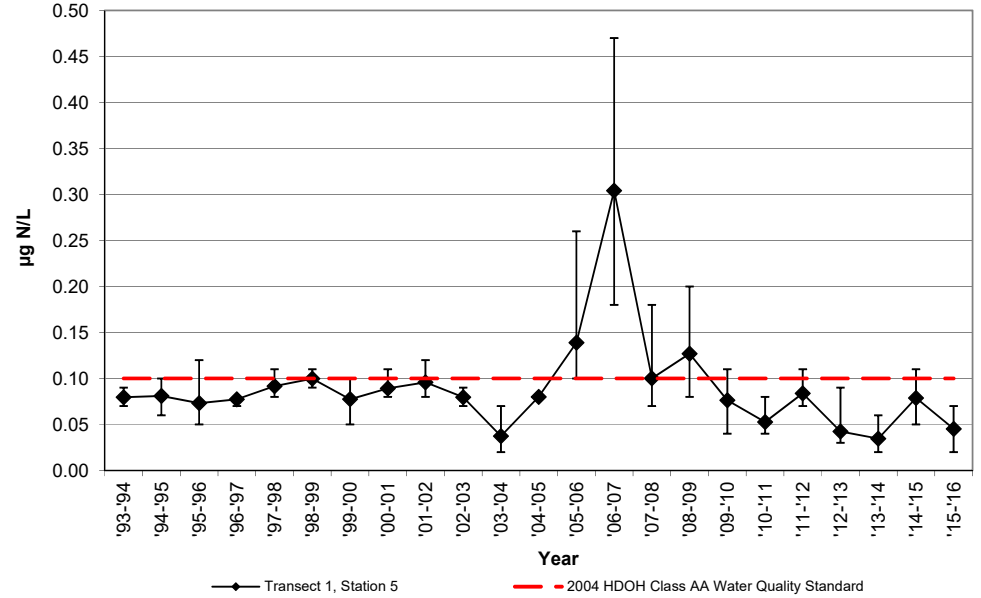


NELHA Water Quality Laboratory  
 Transect 1, Station 5  
 July 1993 - June 2015

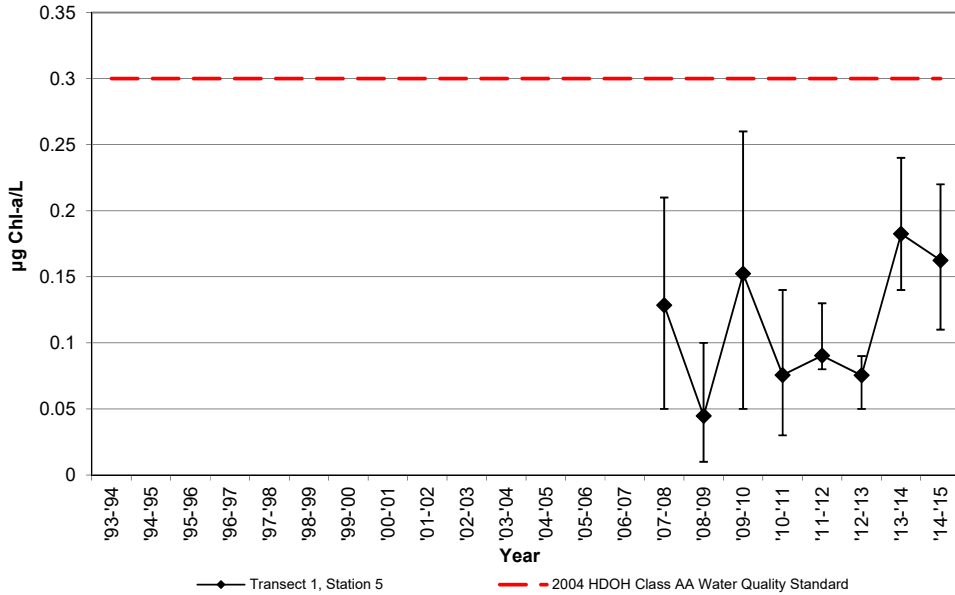
NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 1, Station 5  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 2

July 2015 - June 2016

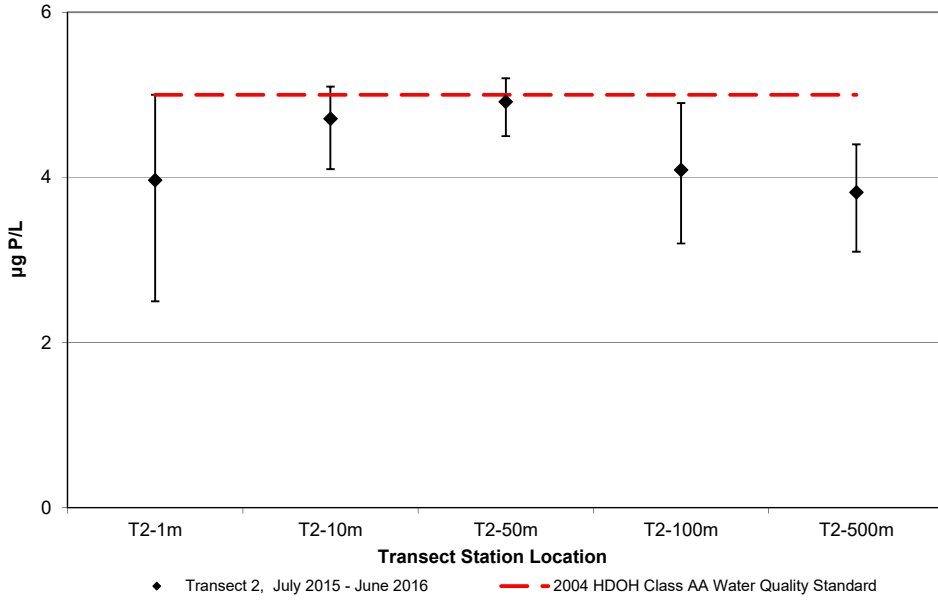
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
				(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>				0.16	<b>5</b>	0.32	<b>4.5</b>	0.18	<b>2.5</b>			0.40	<b>12.5</b>	7.1	<b>100</b>	<b>0.10</b>					<b>0.30</b>
T2-1m	8/26/15	1100	1.5 Flood	0.08	2.5	0.31	4.4	0.24	3.4	4.4	122	0.16	5.0	5.18	73	0.04	34.51	28.4	8.23	6.33	0.25
T2-1m	11/17/15	1013	1.8 Ebb	0.16	5.0	0.51	7.2	0.04	0.6	3.4	95	0.51	15.7	6.16	86	0.08	33.96	27.4	8.22	6.33	0.15
T2-1m	3/1/16	1017	0.6 Ebb	0.15	4.5	0.26	3.6	0.29	4.1	0.4	10	0.47	14.5	5.40	76	0.07	34.72	25.4	8.24	6.04	0.12
T2-1m	5/3/16	948	0.5 Flood	0.14	4.4	0.54	7.5	0.20	2.8	1.4	39	0.43	13.3	5.52	77	0.06	34.66	25.6	8.25	6.43	0.18
<b>Geomean</b>	<b>'15-'16</b>			0.13	<b>4.0</b>	0.39	<b>5.4</b>	0.2	<b>2.2</b>			0.4	<b>11.1</b>	5.6	<b>78</b>	<b>0.06</b>					<b>0.17</b>
T2-10m	8/26/15	1107	1.5 Flood	0.13	4.1	0.41	5.7	0.21	2.9	5.3	148	0.36	11	5.56	78	0.03	34.45	28.4	8.22	6.03	0.42
T2-10m	11/17/15	1018	1.8 Ebb	0.16	5.1	0.57	8.0	0.15	2.1	3.5	98	0.50	15.4	6.32	89	0.08	33.97	27.4	8.22	6.39	0.14
T2-10m	3/1/16	1021	0.6 Ebb	0.16	4.9	0.24	3.4	0.64	8.9	0.5	15	0.45	13.8	4.40	62	0.10	34.76	25.5	8.24	5.85	0.09
T2-10m	5/3/16	953	0.5 Flood	0.15	4.8	0.49	6.9	0.19	2.6	1.1	30	0.43	13.2	6.34	89	0.09	34.68	25.6	8.24	6.34	0.18
<b>Geomean</b>	<b>'15-'16</b>			0.15	<b>4.7</b>	0.41	<b>5.7</b>	0.25	<b>3.4</b>			0.43	<b>13.3</b>	5.6	<b>78</b>	<b>0.07</b>					<b>0.18</b>
T2-50m	8/26/15	1113	1.5 Flood	0.15	4.5	0.29	4.1	0.19	2.7	5.5	155	0.40	12.4	4.63	65	0.02	34.48	28.4	8.22	5.99	0.35
T2-50m	11/17/15	1026	1.8 Ebb	0.17	5.2	0.52	7.3	0.70	9.8	6.5	184	0.50	15.6	5.65	79	0.06	33.98	27.4	8.24	6.26	0.13
T2-50m	3/1/16	1029	0.6 Ebb	0.17	5.2	0.26	3.7	0.40	5.6	0.9	25	0.46	14.2	5.11	72	0.10	34.78	25.5	8.25	5.89	0.10
T2-50m	5/3/16	958	0.5 Flood	0.15	4.8	0.62	8.7	0.26	3.6	2.3	65	0.24	7.3	5.83	82	0.06	34.67	25.6	8.24	6.35	0.20
<b>Geomean</b>	<b>'15-'16</b>			0.16	<b>4.9</b>	0.40	<b>5.6</b>	0.34	<b>4.8</b>			0.38	<b>11.9</b>	5.3	<b>74</b>	<b>0.05</b>					<b>0.17</b>
T2-100m	8/26/15	1119	1.5 Flood	0.12	3.8	0.21	2.9	0.16	2.2	4.1	115	0.37	11.5	4.67	65	0.04	34.45	28.5	8.22	6.02	0.47
T2-100m	11/17/15	1031	1.8 Ebb	0.16	4.9	0.46	6.4	0.10	1.4	3.9	110	0.50	15.5	4.97	70	0.07	33.97	27.4	8.23	6.23	0.12
T2-100m	3/1/16	1035	0.6 Ebb	0.15	4.7	0.20	2.8	0.42	5.9	0.7	20	0.48	14.8	4.61	65	0.08	34.78	25.4	8.25	5.84	0.15
T2-100m	5/3/16	1004	0.5 Flood	0.10	3.2	0.16	2.3	0.05	0.7	0.2	7	0.38	11.7	4.21	59	0.07	34.69	25.6	8.24	6.28	0.22
<b>Geomean</b>	<b>'15-'16</b>			0.13	<b>4.1</b>	0.24	<b>3.3</b>	0.13	<b>1.9</b>			0.43	<b>13.3</b>	4.6	<b>65</b>	<b>0.06</b>					<b>0.21</b>
T2-500m	8/26/15	1127	1.5 Flood	0.13	3.9	0.01	0.1	0.18	2.5	1.0	28	0.23	7.2	4.75	67	0.02	34.56	28.7	8.23	6.01	0.08
T2-500m	11/17/15	1040	1.8 Ebb	0.13	4.0	0.44	6.2	0.14	1.9	2.9	82	0.53	16.3	7.25	102	0.10	34.00	27.4	8.23	6.21	0.15
T2-500m	3/1/16	1042	0.6 Ebb	0.14	4.4	0.20	2.8	0.28	3.9	0.1	2	0.46	14.1	4.05	57	0.08	34.76	25.5	8.24	5.70	0.08
T2-500m	5/3/16	1011	0.5 Flood	0.10	3.1	0.14	1.9	0.06	0.9	0.0	1	0.28	8.7	4.55	64	0.06	34.69	25.7	8.24	6.36	0.26
<b>Geomean</b>	<b>'15-'16</b>			0.12	<b>3.8</b>	0.10	<b>1.3</b>	0.14	<b>2.0</b>			0.35	<b>11.0</b>	5.0	<b>70</b>	<b>0.06</b>					<b>0.13</b>

NELHA Water Quality Laboratory

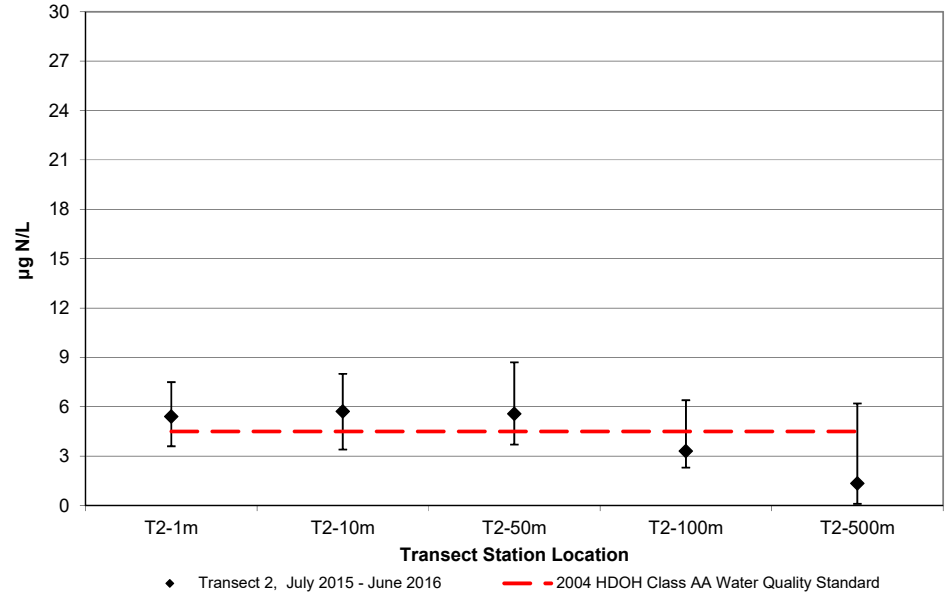
Transect 2

July 2015 - June 2016

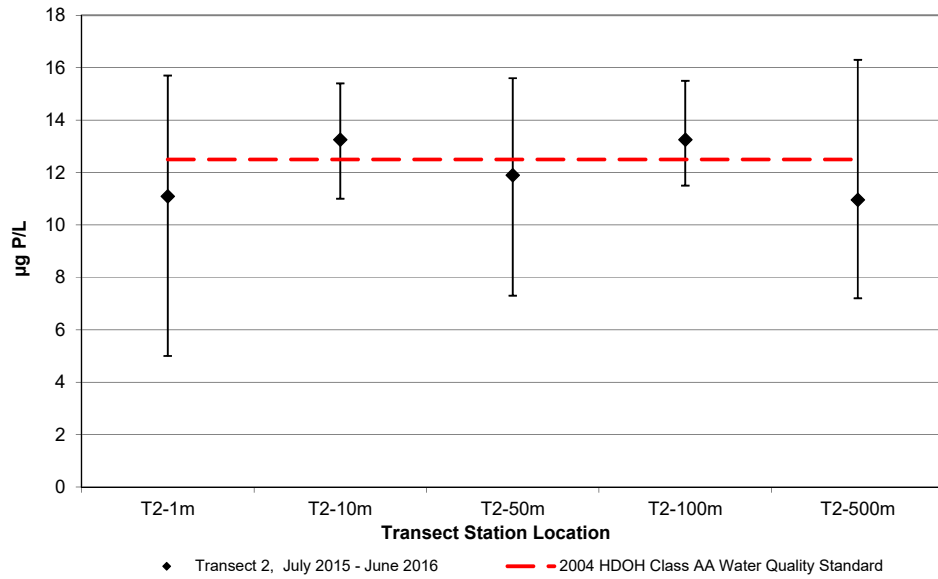
Transect 2 Station Summary  
Ortho-Phosphate Geometric Mean



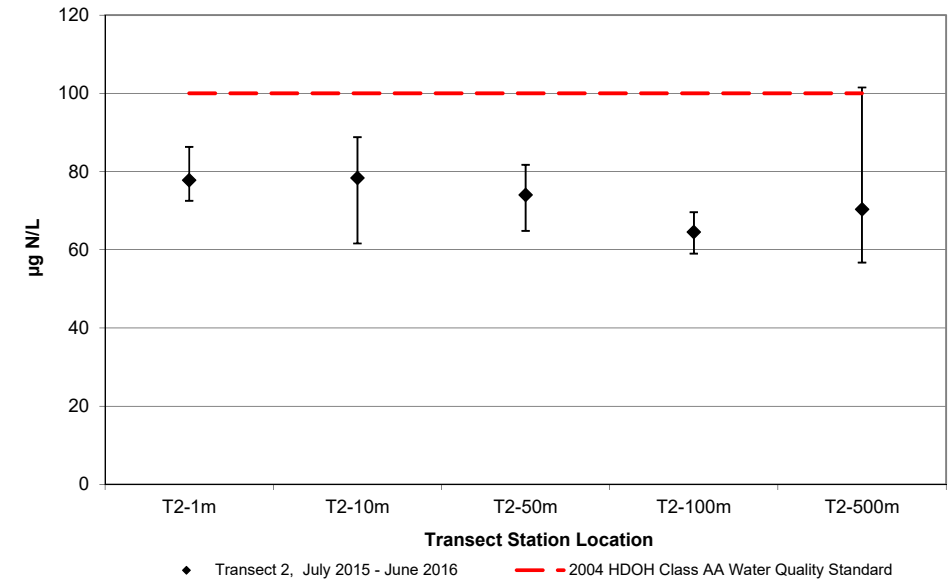
Transect 2 Station Summary  
Nitrate + Nitrite Geometric Mean



Transect 2 Station Summary  
Total Dissolved Phosphorous Geometric Mean

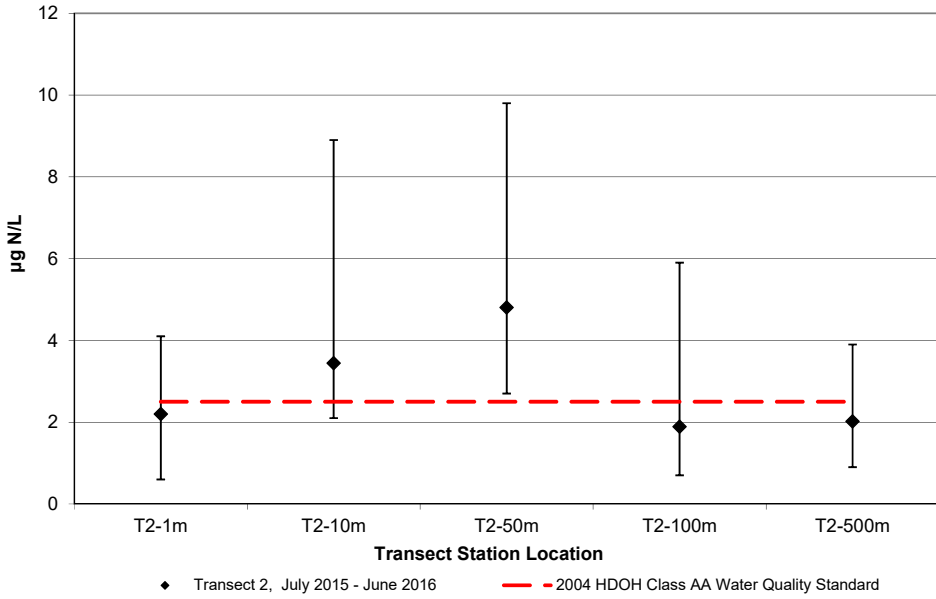


Transect 2 Station Summary  
Total Dissolved Nitrogen Geometric Mean

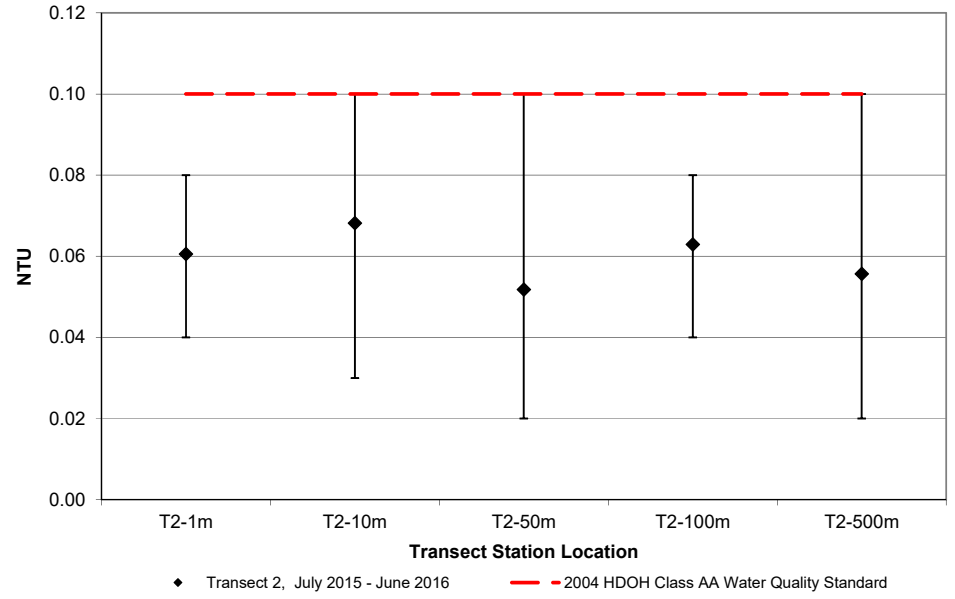


NELHA Water Quality Laboratory  
 Transect 2  
 July 2015 - June 2016

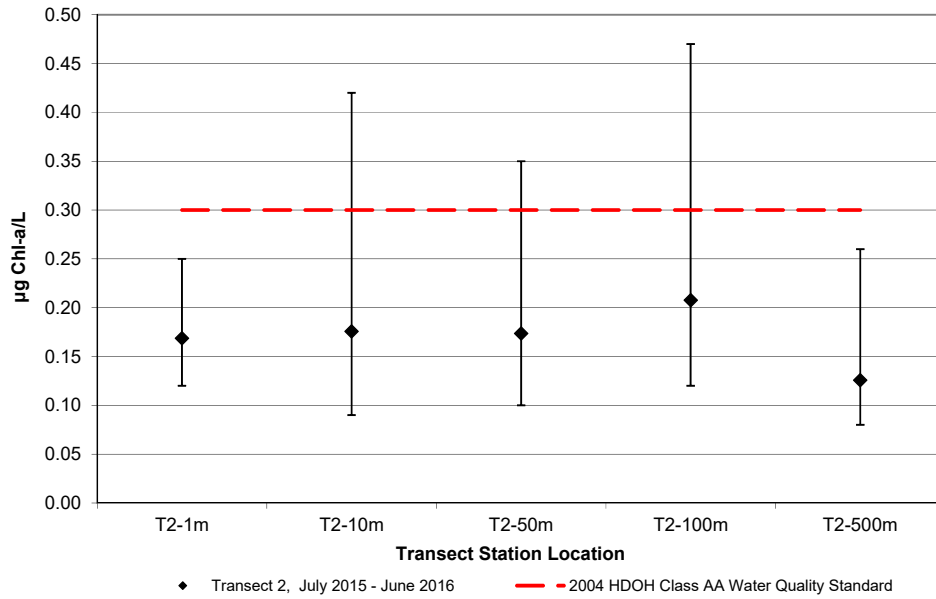
**Transect 2 Station Summary**  
 Total Ammonia Geometric Mean



**Transect 2 Station Summary**  
 Turbidity Geometric Mean



**Transect 2 Station Summary**  
 Chlorophyll-a Geometric Mean







NELHA Water Quality Laboratory

Transect 2, Station 1

July 1993 - June 2015

SITE ID	DATE	TIME	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coliform	Enterococci
			(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)									
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>										<b>0.30</b>		
O2-1S-8m	7/8/02	1125	0.20	6.2	0.35	4.9	0.17	2.4	4.2	119	0.44	13.6	5.9	83	0.44	13.63	1.02	0.11	34.629	26.7	8.24	7.05	0.20	<1	<1
O2-1S-8m	10/9/02	958	0.09	2.8	0.47	6.6	0.11	1.5	3.7	103	0.31	9.6	6.3	88	0.32	9.91	0.95	0.08	34.903	27.1	8.26	8.13	0.12	1	1
O2-1S-8m	3/12/03	1125	0.12	3.7	0.13	1.8	0.03	0.4	6.6	186	0.34	10.5	8.1	113	0.39	12.08	1.09	0.10	34.774	25.1	8.28	7.37	0.16	<1	<1
O2-1S-8m	4/22/03	1124	0.12	3.7	1.09	15.3	0.03	0.4	4.5	126	0.36	11.2	5.6	78	0.37	11.46	0.99	0.11	34.948	25.3	8.26	7.36	0.15	<1	<1
<b>Geomean '02-'03</b>			<b>3.9</b>		<b>5.5</b>		<b>0.9</b>				<b>11.1</b>		<b>89</b>				<b>0.10</b>						<b>0.15</b>		
O2-1S-8m	8/18/03	1135	0.10	3.1	0.18	2.5	0.25	3.5	3.5	98	0.36	11.2	6.4	90	0.37	11.46	n/a	0.06	34.821	28.2	8.24	6.83	0.12	<1	<1
O2-1S-8m	10/29/03	1158	0.10	3.1	0.07	1.0	0.10	1.4	12.3	345	0.38	11.8	5.7	80	0.38	11.77	n/a	0.12	34.811	27.6	8.25	n/a	0.14	<1	<1
O2-1S-8m	3/11/04	1027	0.17	5.3	0.32	4.5	0.04	0.6	5.6	156	0.42	13.0	5.8	81	0.44	13.63	n/a	n/a	34.344	25.8	8.28	6.48	0.17	<1	<1
O2-1S-8m	5/20/04	1021	0.12	3.7	0.15	2.1	0.22	3.1	3.3	92	0.37	11.5	5.7	80	0.38	11.77	n/a	n/a	33.48	26.8	8.25	6.98	0.01	<1	<1
<b>Geomean '03-'04</b>			<b>3.7</b>		<b>2.2</b>		<b>1.7</b>				<b>11.8</b>		<b>82</b>				<b>0.08</b>						<b>0.07</b>		
O2-1S-8m	9/20/04	1010	0.10	3.1	0.08	1.1	0.26	3.6	1.5	43	0.34	10.5	5.9	82	0.34	10.53	n/a	0.10	33.76	27.8	8.25	6.82	0.10	1	<1
O2-1S-8m	11/17/04	942	0.08	2.5	0.25	3.5	0.19	2.7	2.1	60	0.36	11.2	5.5	77	0.36	11.15	n/a	0.08	33.57	26.9	8.28	6.77	0.13	<1	<1
O2-1S-8m	1/13/05	1105	0.07	2.2	0.26	3.6	0.11	1.5	2.9	82	0.28	8.7	5.4	75	0.28	8.67	n/a	0.11	34.831	25.9	8.34	7.06	0.09	<1	<1
O2-1S-8m	4/11/05	1104	0.16	5.0	0.71	9.9	0.30	4.2	7.8	219	0.41	12.7	5.6	79	0.42	13.01	n/a	0.10	34.481	25.3	8.32	7.21	0.07	<1	<1
<b>Geomean '04-'05</b>			<b>3.0</b>		<b>3.5</b>		<b>2.8</b>				<b>10.7</b>		<b>78</b>				<b>0.10</b>						<b>0.10</b>		
O2-1S-8m	7/20/05	1054	0.19	5.9	0.40	5.6	0.16	2.2	3.7	103	0.39	12.1	4.4	61	0.39	12.08	n/a	0.08	34.669	26.5	8.25	6.61	0.02	<1	<1
O2-1S-8m	10/11/05	940	0.06	1.9	0.03	0.4	0.14	2.0	2.3	65	0.32	9.9	2.7	37	0.35	10.84	1.02	0.16	34.919	26.5	8.28	6.72	0.11	<1	<1
O2-1S-8m	3/13/06	1051	0.12	3.7	0.09	1.3	0.41	5.7	2.7	76	0.35	10.8	4.0	55	0.39	12.08	n/a	0.13	34.782	24.6	8.28	7.59	0.10	<1	<1
O2-1S-8m	5/15/06	1019	0.28	8.7	0.95	13.3	0.13	1.8	6.5	184	0.55	17.0	6.6	93	0.55	17.04	1.14	0.14	34.615	25.0	8.26	6.97	0.72	<1	1
<b>Geomean '05-'06</b>			<b>4.3</b>		<b>2.5</b>		<b>2.6</b>				<b>12.2</b>		<b>59</b>				<b>0.12</b>						<b>0.11</b>		
O2-1S-8m	8/14/06	1018	0.21	6.5	0.49	6.9	0.33	4.6	3.3	92	0.47	14.6	6.3	88	0.48	14.87	1.14	0.12	34.614	26.6	8.26	7.22	0.11	<1	<1
O2-1S-8m	11/1/06	1024	0.10	3.1	0.23	3.2	0.43	6.0	2.6	72	0.31	9.6	5.5	77	0.32	9.91	1.12	0.13	34.820	27.0	8.25	6.70	0.16	<1	<1
O2-1S-8m	2/12/07	1045	0.17	5.3	0.58	8.1	0.51	7.1	5.6	158	0.38	11.8	6.0	84	0.38	11.77	1.09	0.70	34.490	24.5	8.23	7.01	0.16	<1	<1
O2-1S-8m	4/9/07	1016	0.14	4.3	0.23	3.2	0.29	4.1	3.6	102	0.35	10.8	5.4	75	0.48	14.87	0.95	0.53	34.697	25.1	8.22	7.09	0.02	<1	<1
<b>Geomean '06-'07</b>			<b>4.6</b>		<b>4.9</b>		<b>5.3</b>				<b>11.6</b>		<b>81</b>				<b>0.28</b>						<b>0.09</b>		
T2-1m	9/26/07	943	0.16	4.9	0.35	4.9	0.41	5.8	14.0	392	0.37	11.5	5.2	73				0.08	34.939	26.8	8.15	6.38	0.08		
T2-1m	12/13/07	1121	0.11	3.4	0.39	5.5			13.0	365	0.38	11.7	6.9	96				0.18	34.685	25.7	8.24	6.61	0.25		
T2-1m	3/10/08	1010	0.16	4.9	0.37	5.2	0.06	0.8	5.2	147	0.36	11.2	8.4	117				0.41	34.903	24.9	8.19	6.58	0.19		
T2-1m	6/5/08	1015	0.11	3.5	0.64	9.0	0.16	2.2	20.2	567	0.25	7.8	7.8	109				0.08	34.783	25.1	8.09	6.83	0.27		
<b>Geomean '07-'08</b>			<b>4.1</b>		<b>6.0</b>		<b>2.2</b>				<b>10.4</b>		<b>97</b>				<b>0.15</b>						<b>0.18</b>		
T2-1m	9/22/08	1108	0.05	1.7	0.04	0.6	0.15	2.1	2.0	57	0.26	8.2	5.9	82				0.06	34.811	26.7	8.02	6.38	0.07		
T2-1m	11/17/08	950	0.14	4.2	0.21	3	0.14	1.9	2.5	71	0.26	8.2	5.4	76				0.19	34.964	25.7	8.24	6.11	0.02		
T2-1m	2/9/09	948	0.09	2.8	0.60	8.4	0.12	1.7	3.5	100	0.11	3.5	5.1	72				0.14	35.066	24.8	8.08	6.09	0.03		
T2-1m	4/13/09	942	0.43	13.3	1.92	26.9	0.47	6.6	5.3	148	0.50	15.4	6.9	96				0.10	34.868	24.0	8.18	6.18	0.14		
<b>Geomean '08-'09</b>			<b>4.0</b>		<b>4.5</b>		<b>2.6</b>				<b>7.8</b>		<b>81</b>				<b>0.11</b>						<b>0.05</b>		
T2-1m	9/9/09	947	0.15	4.6	0.49	6.8	0.30	4.2	6.7	189	0.52	16.2	5.8	81				0.07	35.15	26.9	8.21	5.60	0.21		
T2-1m	11/23/09	1003	0.03	0.8	0.16	2.3	0.03	0.4	23.8	669	0.27	8.4	5.0	70				0.07	35.20	25.3	8.27	6.40	0.15		
T2-1m	2/23/10	1012	0.16	5.1	0.29	4.1	0.43	6	16.3	458	0.31	9.6	4.7	66				0.07	35.06	24.6	8.18	6.49	0.37		
T2-1m	5/25/10	1026	0.05	1.5	0.31	4.3	0.19	2.6	3.7	105	0.25	7.6	5.7	80				0.11	34.95	25.1	8.23	7.00	0.08		
<b>Geomean '09-'10</b>			<b>2.3</b>		<b>4.1</b>		<b>2.3</b>				<b>10.0</b>		<b>74</b>				<b>0.08</b>						<b>0.17</b>		
T2-1m	8/10/10	1005	0.08	2.5	1.38	19.3	0.16	2.2	10.8	304	0.52	16.2	5.8	81				0.06	34.81	25.95	8.22	6.67	0.06		
T2-1m	11/8/10	952	0.03	0.9	0.44	6.2	0.24	3.3	2.6	72	0.36	11.2	4.7	65				0.10	35.25	26.40	8.25	6.42	0.06		
T2-1m	1/11/11	1009	0.14	4.2	0.25	3.5	0.08	1.1	2.8	79	0.44	13.5	3.9	55				0.08	34.96	24.95	8.24	6.61	0.13		
T2-1m	4/26/11	1009	0.11	3.4	0.44	6.2	0.10	1.4	9.1	256	0.44	13.7	5.1	72				0.10	34.97	24.99	8.21	6.53	0.14		
<b>Geomean '10-'11</b>			<b>2.4</b>		<b>7.1</b>		<b>1.8</b>				<b>13.5</b>		<b>67</b>				<b>0.08</b>						<b>0.09</b>		

NELHA Water Quality Laboratory

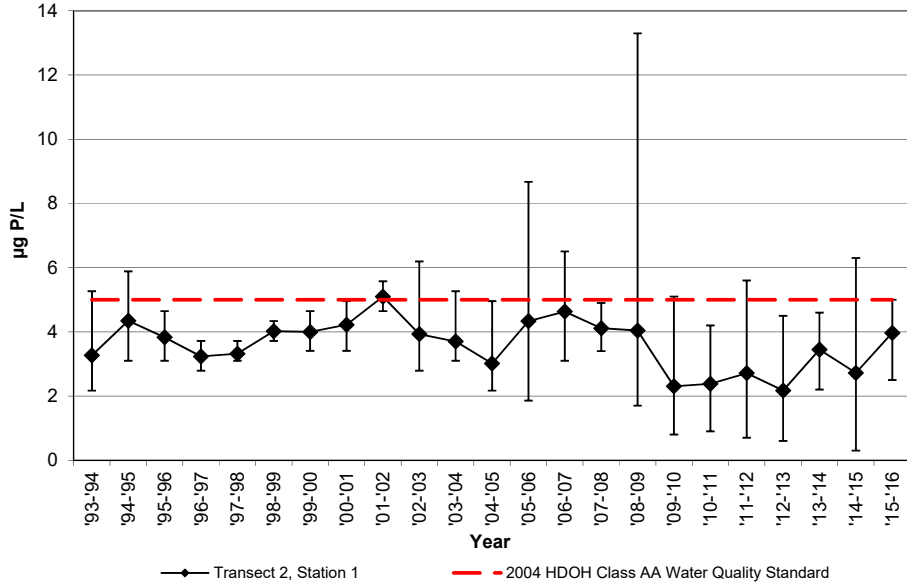
Transect 2, Station 1

July 1993 - June 2015

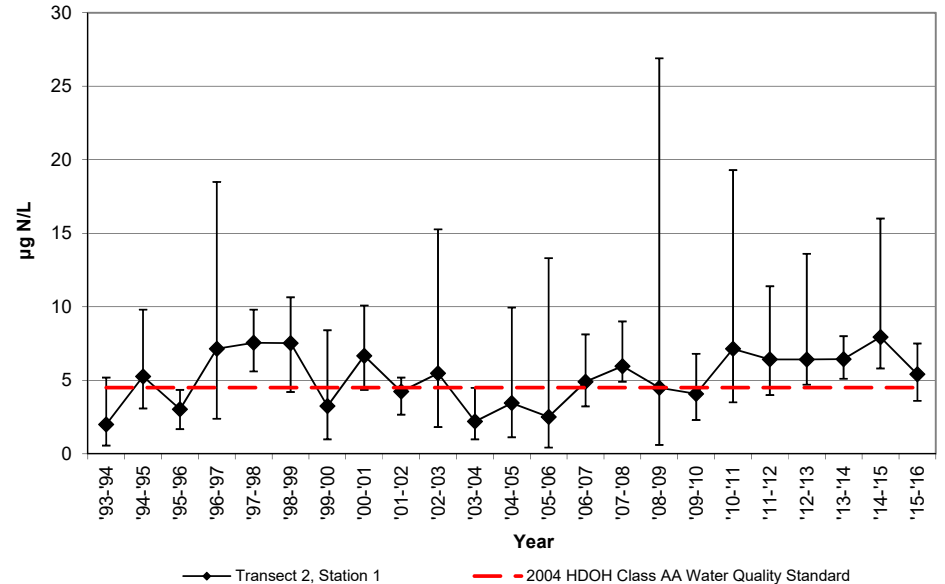
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (μM) (μg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (μM) (μg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		TP (μM) (μg P/L)	TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>				<b>0.10</b>					<b>0.30</b>		
T2-1m	7/26/11	1032	0.18	5.6	0.49	6.9	0.14	1.9	3.5	98	0.51	15.8	6.3	88			0.06	34.81	25.93	8.25	6.66	0.09		
T2-1m	10/18/11	957	0.02	0.7	0.29	4	0.29	4.1	3.1	88	0.31	9.5	6.4	89			0.09	35.06	26.58	8.22	6.93	0.12		
T2-1m	1/25/12	1023	0.10	3	0.39	5.4	0.17	2.4	4.3	121	0.45	14	7.6	106			0.08	34.98	24.66	8.20	6.96	0.10		
T2-1m	4/24/12	1049	0.15	4.6	0.81	11.4	0.24	3.3	4.0	113	0.42	13	5.8	82			0.07	35.09	24.70	8.21	6.86	0.10		
<b>Geomean</b>	<b>'11-'12</b>		<b>2.7</b>		<b>6.4</b>		<b>2.8</b>				<b>12.9</b>		<b>91</b>				<b>0.07</b>					<b>0.10</b>		
T2-1m	7/24/12	1010	0.02	0.6	0.36	5	0.27	3.8	2.3	64	0.39	12.2	6.8	95			0.12	35.07	26.31	8.23	6.83	0.12		
T2-1m	11/27/12	959	0.11	3.3	0.97	13.6	0.40	5.6	7.2	203	0.48	14.9	6.1	85			0.06	35.05	25.05	8.21	6.89	0.35		
T2-1m	1/23/13	1005	0.08	2.5	0.38	5.3	0.26	3.6	1.9	54	0.49	15.1	7.3	102			0.09	35.12	24.67	8.21	6.52	0.16		
T2-1m	4/16/13	1013	0.15	4.5	0.34	4.7	0.11	1.6	0.9	26	0.50	15.4	6.3	89			0.07	35.14	24.94	8.22	6.95	0.06		
<b>Geomean</b>	<b>'12-'13</b>		<b>2.2</b>		<b>6.4</b>		<b>3.3</b>				<b>14.3</b>		<b>92</b>				<b>0.08</b>					<b>0.14</b>		
T2-1m	8/1/13	928	0.07	2.2	0.36	5.1	0.09	1.3	3.8	106	0.51	15.8	9.1	128			0.06	35.22	26.1	8.24	6.95	0.19		
T2-1m	10/29/13	954	0.15	4.6	0.57	8.0	0.26	3.7	2.6	74	0.45	13.8	6.5	92			0.05	35.27	27.0	8.20	6.50	0.26		
T2-1m	2/4/14	959	0.11	3.4	0.39	5.4	0.45	6.3	5.8	162	0.42	12.9	6.5	91			0.02	34.94	25.2	8.22	6.53	0.20		
T2-1m	5/6/14	1000	0.13	4.1	0.56	7.8	0.74	10.3	2.9	83	0.46	14.4	6.7	94			0.06	34.77	25.9	8.22	6.29	0.16		
<b>Geomean</b>	<b>'13-'14</b>		<b>3.4</b>		<b>6.4</b>		<b>4.2</b>				<b>14.2</b>		<b>100</b>				<b>0.04</b>					<b>0.20</b>		
T2-1m	8/5/14	1007	0.20	6.3	0.41	5.8	0.51	7.2	2.1	59	0.50	15.4	6.5	91			0.13	34.94	26.8	8.22	5.99	0.11		
T2-1m	11/17/14	1144	0.20	6.3	0.44	6.2	0.53	7.4	0.9	25	0.48	14.9	8.0	113			0.10	34.96	27.1	8.21	7.22	0.15		
T2-1m	3/3/15	1002	0.01	0.3	0.49	6.9	0.10	1.4	1.8	50	0.03	1.0	7.0	99			0.09	34.83	25.5	8.16	7.05	0.15		
T2-1m	6/16/15	1115	0.15	4.6	1.14	16.0	0.32	4.5	3.9	110	0.50	15.4	6.9	97			0.08	34.18	26.5	8.21	6.35	0.20		
<b>Geomean</b>	<b>'14-'15</b>		<b>2.7</b>		<b>7.9</b>		<b>4.3</b>				<b>7.7</b>		<b>99</b>				<b>0.10</b>					<b>0.15</b>		
T2-1m	8/26/15	1100	0.08	2.5	0.31	4.4	0.24	3.4	4.4	122	0.16	5.0	5.2	73			0.04	34.51	28.4	8.23	6.33	0.25		
T2-1m	11/17/15	1013	0.16	5.0	0.51	7.2	0.04	0.6	3.4	95	0.51	15.7	6.2	86			0.08	33.96	27.4	8.22	6.33	0.15		
T2-1m	3/1/16	1017	0.15	4.5	0.26	3.6	0.29	4.1	0.4	10	0.47	14.5	5.4	76			0.07	34.72	25.4	8.24	6.04	0.12		
T2-1m	5/3/16	948	0.14	4.4	0.54	7.5	0.20	2.8	1.4	39	0.43	13.3	5.5	77			0.06	34.66	25.6	8.25	6.43	0.18		
<b>Geomean</b>	<b>'15-'16</b>		<b>4.0</b>		<b>5.4</b>		<b>2.2</b>				<b>11.1</b>		<b>78</b>				<b>0.06</b>					<b>0.17</b>		

NELHA Water Quality Laboratory  
 Transect 2, Station 1  
 July 1993 - June 2015

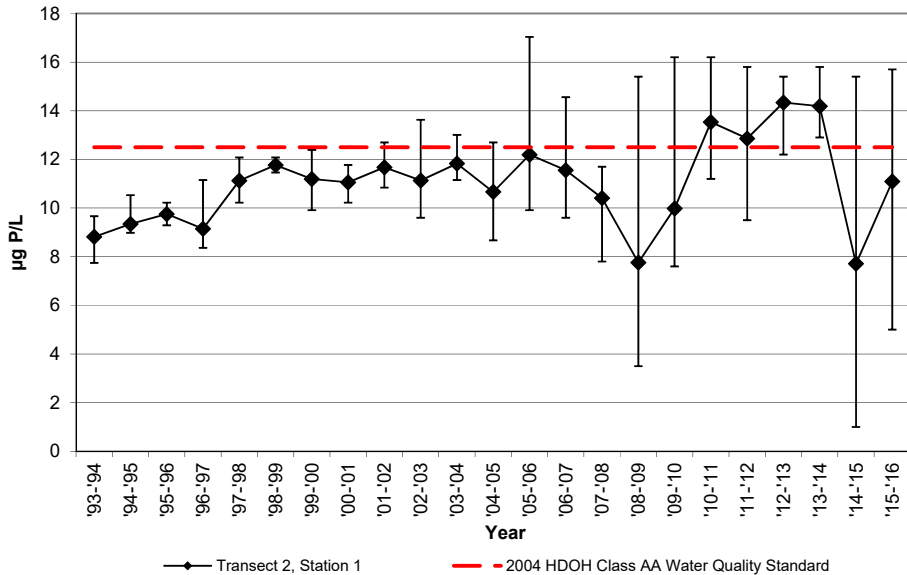
NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of Ortho-Phosphate



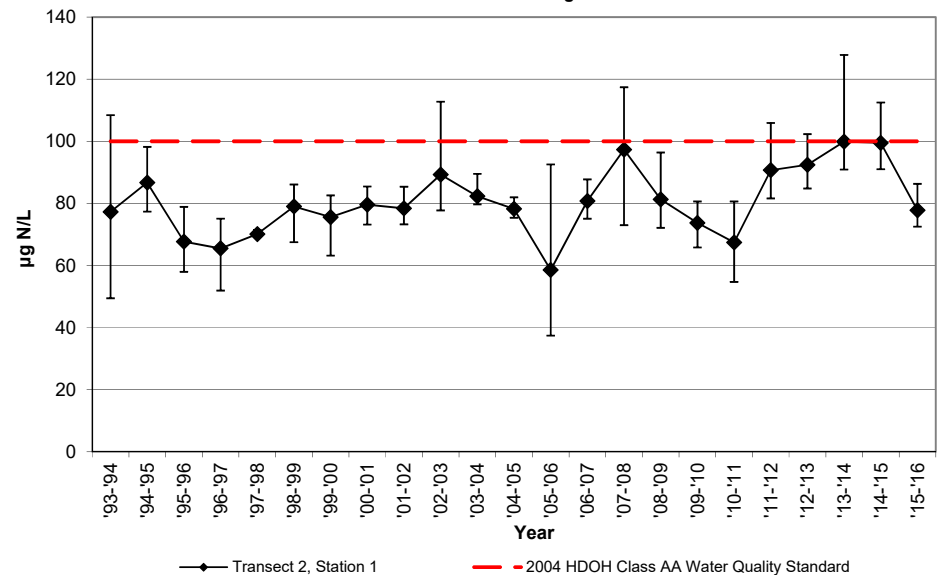
NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

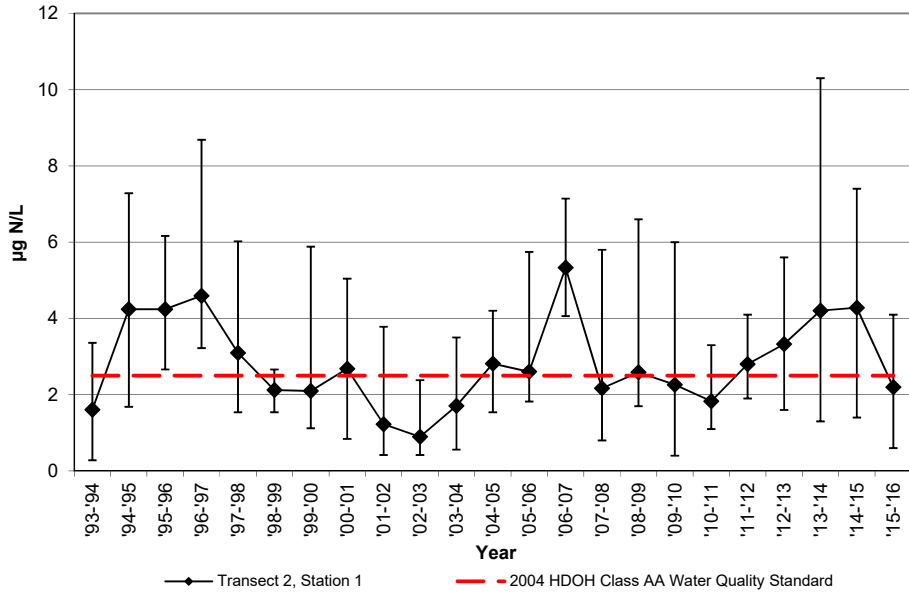


NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

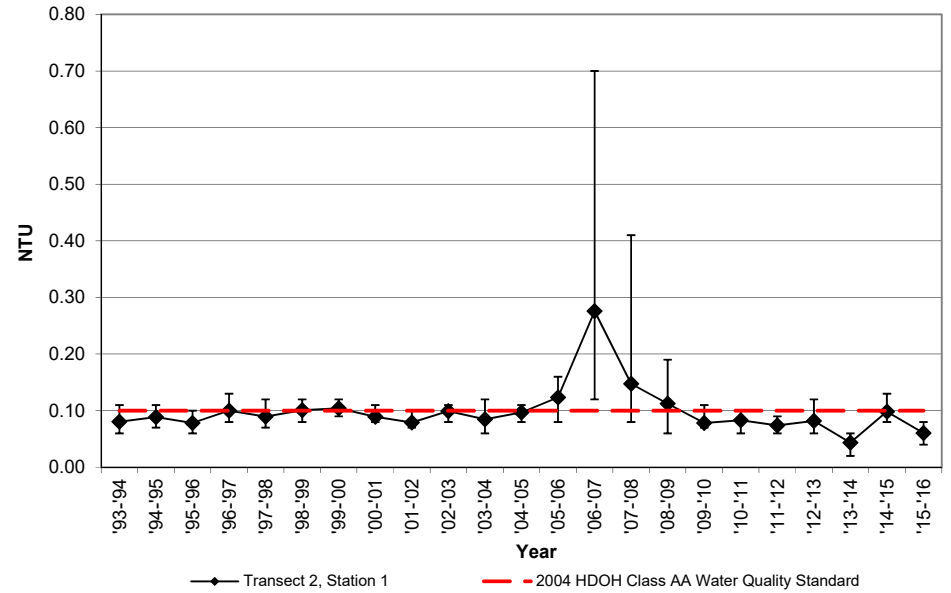


NELHA Water Quality Laboratory  
 Transect 2, Station 1  
 July 1993 - June 2015

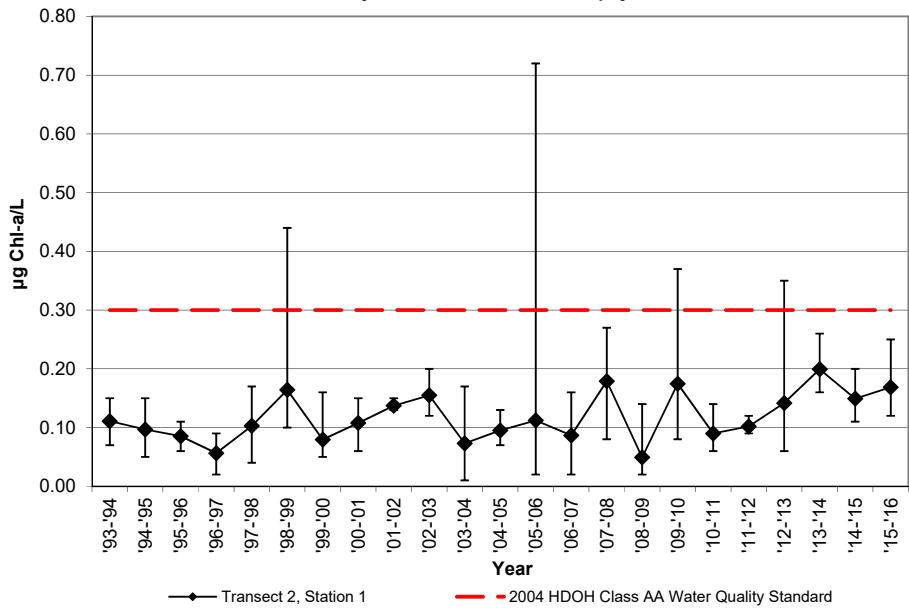
NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 2, Station 1  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 2, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>	<b>100</b>	<b>0.10</b>					<b>0.30</b>
O2-2S-23m	7/27/93	1003	0.12	3.7	0.09	1.3	0.34	4.8	2.8	78			0.08	34.462	26.7			
O2-2S-23m	12/7/93	923	0.08	2.5	0.21	2.9	0.18	2.5	4.1	114			0.08	34.770	25.7			
O2-2S-23m	3/16/94	922	0.16	5.0	0.17	2.4	4.85	67.9	2.8	78			0.09	34.464	24.5			
O2-2S-23m	6/14/94	859	0.13	4.0	0.13	1.8	0.04	0.6	7.5	211			0.13	34.568	25.3			
<b>Geomean '93-'94</b>			<b>3.7</b>		<b>2.0</b>		<b>4.6</b>						<b>0.09</b>					
O2-2S-23m	9/8/94	1024	0.10	3.1	0.29	4.1	0.22	3.1	3.7	104			0.14	34.573	27.6			
O2-2S-23m	11/16/94	818	0.18	5.6	0.63	8.8	0.50	7.0	6.3	176			0.07	34.449	26.0			
O2-2S-23m	3/21/95	1016	0.20	6.2	0.20	2.8	0.18	2.5	3.8	105			0.14	34.204	25.0			
O2-2S-23m	6/26/95	827	0.13	4.0	0.46	6.4	0.48	6.7	4.0	111			0.06	34.499	26.5			
<b>Geomean '94-'95</b>			<b>4.6</b>		<b>5.0</b>		<b>4.4</b>						<b>0.10</b>					
O2-2S-23m	9/25/95	1025	0.14	4.3	0.28	3.9	0.24	3.4	5.0	139			0.13	34.484	27.2			
O2-2S-23m	11/13/95	1006	0.11	3.4	0.18	2.5	0.40	5.6	1.7	48			0.05	34.416	26.9			
O2-2S-23m	3/11/96	1055	0.13	4.0	0.22	3.1	0.43	6.0	2.3	66			0.07	34.264	25.5			
O2-2S-23m	5/13/96	1002	0.10	3.1	0.08	1.1	0.19	2.7	2.3	65			0.07	34.308	27.0			
<b>Geomean '95-'96</b>			<b>3.7</b>		<b>2.4</b>		<b>4.2</b>						<b>0.08</b>					
O2-2S-23m	7/30/96	945	0.12	3.7	1.60	22.4	0.31	4.3	5.5	154			0.11	34.366	27.9			
O2-2S-23m	10/1/96	1032	0.08	2.5	0.14	2.0	0.59	8.3	2.1	59			0.08	34.742	27.9			
O2-2S-23m	1/6/97	1101	0.10	3.1	0.22	3.1	0.23	3.2	3.1	86			0.11	34.675	25.7			
O2-2S-23m	4/21/97	1045	0.10	3.1	0.75	10.5	0.25	3.5	4.1	114			0.10	34.529	26.4			
<b>Geomean '96-'97</b>			<b>3.1</b>		<b>6.1</b>		<b>4.5</b>						<b>0.10</b>					
O2-2S-23m	8/18/97	1038	0.11	3.4	0.50	7.0	0.22	3.1	6.4	178			0.12	34.553	26.7			
O2-2S-23m	10/6/97	1102	0.09	2.8	0.21	2.9	0.38	5.3	5.0	140			0.09	34.719	27.5			
O2-2S-23m	3/3/98	1036	0.10	3.1	0.32	4.5	0.22	3.1	4.4	125			0.12	34.983	24.9			
O2-2S-23m	5/4/98	1006	0.12	3.7	0.63	8.8	0.07	1.0	6.9	194			0.07	34.929	23.8			
<b>Geomean '97-'98</b>			<b>3.2</b>		<b>5.3</b>		<b>2.7</b>						<b>0.10</b>					
O2-2S-23m	7/6/98	1105	0.38	11.8	0.92	12.9	0.25	3.5	15.3	429			0.13	34.935	26.3			
O2-2S-23m	10/5/98	1042	0.11	3.4	0.43	6.0	0.19	2.7	3.4	95			0.09	35.055	27.3			
O2-2S-23m	1/13/99	1052	0.12	3.7	0.60	8.4	0.26	3.6	4.8	135			0.08	35.046	25.0			
O2-2S-23m	4/12/99	1032	0.13	4.0	0.26	3.6	0.08	1.1	4.1	115			0.07	34.663	24.1			
<b>Geomean '98-'99</b>			<b>4.9</b>		<b>7.0</b>		<b>2.5</b>						<b>0.09</b>					
O2-2S-23m	7/6/99	1047	0.11	3.4	0.13	1.8	0.11	1.5	2.4	68			0.12	34.955	25.7			
O2-2S-23m	10/4/99	1128	0.12	3.7	0.28	3.9	0.13	1.8	7.7	216			0.09	34.905	26.1			
O2-2S-23m	1/4/00	1108	0.09	2.8	0.41	5.7	0.35	4.9	3.6	100			0.08	35.092	24.8			
O2-2S-23m	4/17/00	1056	0.12	3.7	0.21	2.9	0.11	1.5	3.4	94			0.04	34.650	24.3			
<b>Geomean '99-'00</b>			<b>3.4</b>		<b>3.3</b>		<b>2.1</b>						<b>0.08</b>					
O2-2S-23m	7/24/00	1115	0.11	3.4	0.22	3.1	0.06	0.8	3.1	87			0.11	34.881	27.3			
O2-2S-23m	10/30/00	1133	0.13	4.0	0.23	3.2	0.34	4.8	4.0	113			0.08	34.953	27.0			
O2-2S-23m	2/26/01	1121	0.16	5.0	0.44	6.2	0.25	3.5	6.0	168			0.11	34.670	24.9			
O2-2S-23m	5/7/01	1126	0.14	4.3	0.60	8.4	0.31	4.3	4.2	117			0.08	34.822	24.7			
<b>Geomean '00-'01</b>			<b>4.1</b>		<b>4.8</b>		<b>2.8</b>						<b>0.09</b>					
O2-2S-23m	8/21/01	1024	0.14	4.3	0.49	6.9	0.02	0.3	4.0	113			0.09	34.773	26.7			
O2-2S-23m	10/8/01	1044	0.14	4.3	0.21	2.9	0.06	0.8	2.4	68			0.13	34.949	27.3			
O2-2S-23m	3/5/02	956	0.14	4.3	0.26	3.6	0.04	0.6	7.2	202			0.12	34.694	24.2			
O2-2S-23m	4/17/02	1004	0.15	4.6	0.45	6.3	0.27	3.8	10.1	283			0.06	34.458	25.5			
<b>Geomean '01-'02</b>			<b>4.4</b>		<b>4.6</b>		<b>0.8</b>						<b>0.10</b>					

NELHA Water Quality Laboratory

Transect 2, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-2S-23m	7/8/02	1120	0.18	5.6	0.20	2.8	0.10	1.4	3.5	99					0.12	34.650	26.6			
O2-2S-23m	10/9/02	958	0.06	1.9	0.13	1.8	0.09	1.3	2.6	74					0.10	34.936	27.1			
O2-2S-23m	3/12/03	1115	0.12	3.7	0.31	4.3	0.03	0.4	3.8	106					0.11	34.785	25.1			
O2-2S-23m	4/22/03	1120	0.10	3.1	0.87	12.2	0.03	0.4	3.3	94					0.09	34.984	25.2			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.3</b>		<b>4.1</b>		<b>0.7</b>								<b>0.10</b>					
O2-2S-23m	8/18/03	1245	0.07	2.2	0.25	3.5	0.25	3.5	2.4	68					0.06	34.825	28.2			
O2-2S-23m	10/29/03	1147	0.08	2.5	0.06	0.8	0.10	1.4	2.3	63					0.10	34.839	27.6			
O2-2S-23m	3/11/04	1020	0.12	3.7	0.07	1.0	0.04	0.6	2.4	67					n/a	34.357	25.8			
O2-2S-23m	5/20/04	1026	0.11	3.4	0.01	0.1	0.17	2.4	1.6	44					n/a	33.52	26.9			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.9</b>		<b>0.8</b>		<b>1.6</b>								<b>0.08</b>					
O2-2S-23m	9/20/04	1004	0.09	2.8	0.07	1.0	0.23	3.2	2.1	58					0.08	33.71	27.8			
O2-2S-23m	11/17/04	934	0.07	2.2	0.18	2.5	0.20	2.8	1.5	43					0.05	33.57	27.1			
O2-2S-23m	1/13/05	1059	0.05	1.5	0.07	1.0	0.09	1.3	2.0	55					0.09	34.775	24.9			
O2-2S-23m	4/11/05	1101	0.18	5.6	0.56	7.8	0.30	4.2	3.2	89					0.15	34.471	25.3			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.7</b>		<b>2.1</b>		<b>2.6</b>								<b>0.09</b>					
O2-2S-23m	7/20/05	1052	0.19	5.9	0.45	6.3	0.18	2.5	3.7	103					0.11	34.668	26.9			
O2-2S-23m	10/11/05	934	0.06	1.9	0.04	0.6	0.17	2.4	2.7	74					0.11	34.862	26.5			
O2-2S-23m	3/13/06	1041	0.11	3.4	0.36	5.0	0.21	2.9	3.1	86					0.09	34.803	24.6			
O2-2S-23m	5/15/06	1014	0.12	3.7	1.41	19.7	0.13	1.8	9.5	266					0.16	34.541	24.9			
<b>Geomean</b>	<b>'05-'06</b>		<b>3.4</b>		<b>4.3</b>		<b>2.4</b>								<b>0.11</b>					
O2-2S-23m	8/14/06	1008	0.13	4.0	0.32	4.5	0.22	3.1	2.8	78					0.13	34.595	26.7			
O2-2S-23m	11/1/06	1017	0.09	2.8	0.27	3.8	0.41	5.7	2.5	71					0.48	34.823	26.9			
O2-2S-23m	2/12/07	1039	0.13	4.0	0.19	2.7	0.34	4.8	2.4	67					0.29	34.549	24.5			
O2-2S-23m	4/9/07	1009	0.19	5.9	0.25	3.5	0.36	5.0	3.5	98					0.82	34.692	25.1			
<b>Geomean</b>	<b>'06-'07</b>		<b>4.0</b>		<b>3.5</b>		<b>4.5</b>								<b>0.35</b>					
T2-10m	9/26/07	954	0.17	5.2	0.24	3.3	0.27	3.8	2.7	76	0.28	8.7	4.1	58	0.10	34.967	26.8	8.17	6.21	0.13
T2-10m	12/13/07	1124	0.11	3.3	0.44	6.1			20.1	566	0.38	11.7	8.4	118	0.16	34.697	25.7	8.23	6.54	0.24
T2-10m	3/10/08	1014	0.19	6.0	0.29	4.0	0.06	0.8	14.4	405	0.45	13.8	7.8	109	0.12	34.901	24.9	8.2	6.62	0.32
T2-10m	6/5/08	1017	0.12	3.7	0.46	6.4	0.16	2.2	17.2	483	0.27	8.5	11.0	154	0.07	34.8093	25.0	8.08	6.77	0.15
<b>Geomean</b>	<b>'07-'08</b>		<b>4.4</b>		<b>4.8</b>		<b>1.9</b>				<b>10.5</b>		<b>103</b>		<b>0.11</b>					<b>0.20</b>
T2-10m	9/22/08	1114	0.05	1.7	0.12	1.7	0.09	1.3	2.4	68	0.25	7.7	5.0	71	0.07	34.801	26.7	8.02	6.64	0.06
T2-10m	11/17/08	958	0.19	5.8	0.20	2.8	0.14	1.9	2.9	82	0.41	12.7	5.5	77	0.06	34.957	25.6	8.24	6.08	0.04
T2-10m	2/9/09	953	0.10	3	0.46	6.5	0.12	1.7	2.8	77	0.19	6	5.7	79	0.09	35.068	24.9	8.06	6.30	0.01
T2-10m	4/13/09	946	0.32	9.9	1.88	26.4	0.44	6.1	5.0	142	0.47	14.6	8.1	114	0.10	34.884	23.9	8.18	6.41	0.06
<b>Geomean</b>	<b>'08-'09</b>		<b>4.1</b>		<b>5.3</b>		<b>2.2</b>				<b>9.6</b>		<b>84</b>		<b>0.08</b>					<b>0.03</b>
T2-10m	9/9/09	953	0.87	27.1	0.41	5.7	0.28	3.9	6.0	168	0.47	14.7	6.8	95	0.07	35.16	27.0	8.21	5.58	0.26
T2-10m	11/23/09	1008	0.03	0.8	0.04	0.5	0.01	0.1	24.4	684	0.39	12.2	6.8	95	0.07	35.20	25.3	8.26	6.42	0.16
T2-10m	2/23/10	1016	0.18	5.5	0.26	3.7	0.44	6.2	15.4	434	0.41	12.6	7.5	105	0.13	35.06	24.6	8.19	6.39	0.22
T2-10m	5/25/10	1029	0.04	1.3	0.16	2.2	0.18	2.5	2.6	73	0.25	7.8	6.1	86	0.07	34.96	25.1	8.23	7.00	0.1
<b>Geomean</b>	<b>'09-'10</b>		<b>3.5</b>		<b>2.2</b>		<b>1.6</b>				<b>11.5</b>		<b>95</b>		<b>0.08</b>					<b>0.17</b>
T2-10m	8/10/10	1010	0.06	2	1.26	17.6	0.09	1.2	7.3	206	0.47	14.7	6.8	95	0.06	34.82	25.97	8.23	6.63	0.08
T2-10m	11/8/10	956	0.02	0.6	0.38	5.3	0.19	2.7	5.6	157	0.37	11.5	7.0	98	0.11	35.25	26.43	8.25	6.35	0.08
T2-10m	1/11/11	1013	0.15	4.6	0.25	3.5	0.15	2.1	5.1	144	0.42	12.9	3.6	51	0.06	34.96	24.96	8.24	6.66	0.15
T2-10m	4/26/11	1013	0.11	3.4	0.28	3.9	0.27	3.8	5.5	154	0.43	13.2	5.4	76	0.10	34.99	24.98	8.21	6.63	0.11
<b>Geomean</b>	<b>'10-'11</b>		<b>2.1</b>		<b>6.0</b>		<b>2.3</b>				<b>13.0</b>		<b>77</b>		<b>0.08</b>					<b>0.10</b>

NELHA Water Quality Laboratory

Transect 2, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (μM) (μg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (μM) (μg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)	
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>						<b>0.30</b>
T2-10m	7/26/11	1037	0.19	5.8	0.34	4.8	0.14	1.9	1.5	41	0.47	14.6	5.7	80	0.08	34.81	25.94	8.26	6.77	0.11	
T2-10m	10/18/11	1002	0.03	0.8	0.31	4.3	0.36	5	2.1	58	0.29	9.1	5.9	82	0.07	35.06	26.59	8.22	7.01	0.13	
T2-10m	1/25/12	1027	0.11	3.3	0.38	5.3	0.19	2.6	3.4	96	0.41	12.8	7.1	100	0.07	34.98	24.68	8.20	6.95	0.08	
T2-10m	4/24/12	1053	0.17	5.4	0.77	10.8	0.18	2.5	3.6	100	0.47	14.6	5.8	81	0.20	35.07	24.67	8.20	6.86	0.12	
<b>Geomean</b>	<b>'11-'12</b>		<b>3.0</b>		<b>5.9</b>		<b>2.8</b>				<b>12.6</b>		<b>85</b>		<b>0.09</b>						<b>0.11</b>
T2-10m	7/24/12	1014	0.03	1	0.39	5.5	0.29	4	1.9	54	0.34	10.6	6.5	91	0.14	35.07	26.31	8.21	6.81	0.11	
T2-10m	11/27/12	1002	0.10	3	0.94	13.2	0.29	4	6.7	188	0.47	14.6	7.9	110	0.04	35.07	25.07	8.21	6.91	0.25	
T2-10m	1/23/13	1010	0.09	2.9	0.39	5.4	0.24	3.3	1.8	50	0.40	12.5	5.9	82	0.02	35.12	24.67	8.21	6.53	0.15	
T2-10m	4/16/13	1018	0.13	3.9	0.19	2.6	0.09	1.3	0.3	9	0.48	15	6.9	97	0.05	35.15	24.95	8.22	6.90	0.04	
<b>Geomean</b>	<b>'12-'13</b>		<b>2.4</b>		<b>5.7</b>		<b>2.9</b>				<b>13.1</b>		<b>95</b>		<b>0.05</b>						<b>0.11</b>
T2-10m	8/1/13	924	0.05	1.6	0.44	6.1	0.01	0.2	3.5	99	0.51	15.9	6.6	93	0.06	35.22	26.1	8.25	6.90	0.19	
T2-10m	10/29/13	957	0.15	4.8	0.53	7.4	0.31	4.4	2.6	72	0.45	14.0	6.5	91	0.02	35.27	27.0	8.20	6.53	0.19	
T2-10m	2/4/14	1002	0.13	3.9	0.38	5.3	0.65	9.1	2.5	70	0.39	12.2	7.1	100	0.02	34.94	25.2	8.21	6.37	0.18	
T2-10m	5/6/14	1005	0.12	3.8	0.50	7.0	0.32	4.5	3.0	84	0.41	12.6	7.8	109	0.03	34.78	25.9	8.23	6.29	0.15	
<b>Geomean</b>	<b>'13-'14</b>		<b>3.3</b>		<b>6.4</b>		<b>2.3</b>				<b>13.6</b>		<b>98</b>		<b>0.03</b>						<b>0.18</b>
T2-10m	8/5/14	1010	0.20	6.2	0.41	5.8	0.43	6.0	2.2	61	0.50	15.6	6.1	85	0.09	34.96	26.8	8.22	6.04	0.15	
T2-10m	11/17/14	1147	0.18	5.7	0.43	6.0	0.32	4.5	1.0	29	0.45	14.0	7.0	98	0.09	34.97	27.1	8.22	7.28	0.16	
T2-10m	3/3/15	1007	0.02	0.6	0.30	4.2	0.07	1.0	2.1	60	0.25	7.8	7.2	100	0.09	34.84	25.5	8.16	6.83	0.14	
T2-10m	6/16/15	1121	0.13	3.9	0.71	9.9	0.31	4.3	3.0	84	0.44	13.7	5.8	81	0.08	34.22	26.6	8.23	6.23	0.19	
<b>Geomean</b>	<b>'14-'15</b>		<b>3.0</b>		<b>6.2</b>		<b>3.3</b>				<b>12.4</b>		<b>91</b>		<b>0.09</b>						<b>0.16</b>
T2-10m	8/26/15	1107	0.13	4.1	0.41	5.7	0.21	2.9	5.3	148	0.36	11.0	5.6	78	0.03	34.45	28.4	8.22	6.03	0.42	
T2-10m	11/17/15	1018	0.16	5.1	0.57	8.0	0.15	2.1	3.5	98	0.50	15.4	6.3	89	0.08	33.97	27.4	8.22	6.39	0.14	
T2-10m	3/1/16	1021	0.16	4.9	0.24	3.4	0.64	8.9	0.5	15	0.45	13.8	4.4	62	0.10	34.76	25.5	8.24	5.85	0.09	
T2-10m	5/3/16	953	0.15	4.8	0.49	6.9	0.19	2.6	1.1	30	0.43	13.2	6.3	89	0.09	34.68	25.6	8.24	6.34	0.18	
<b>Geomean</b>	<b>'15-'16</b>		<b>4.7</b>		<b>5.7</b>		<b>3.4</b>				<b>13.3</b>		<b>78</b>		<b>0.07</b>						<b>0.18</b>

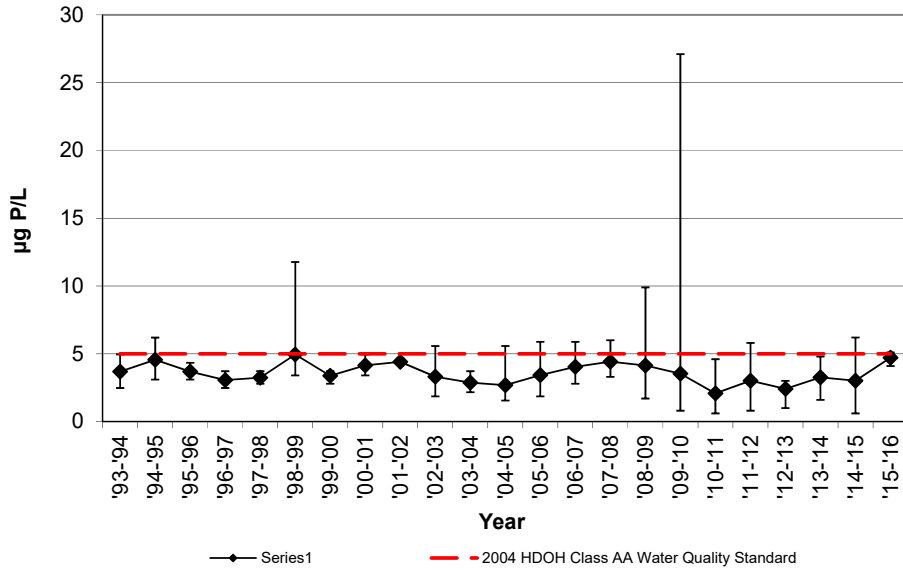


NELHA Water Quality Laboratory

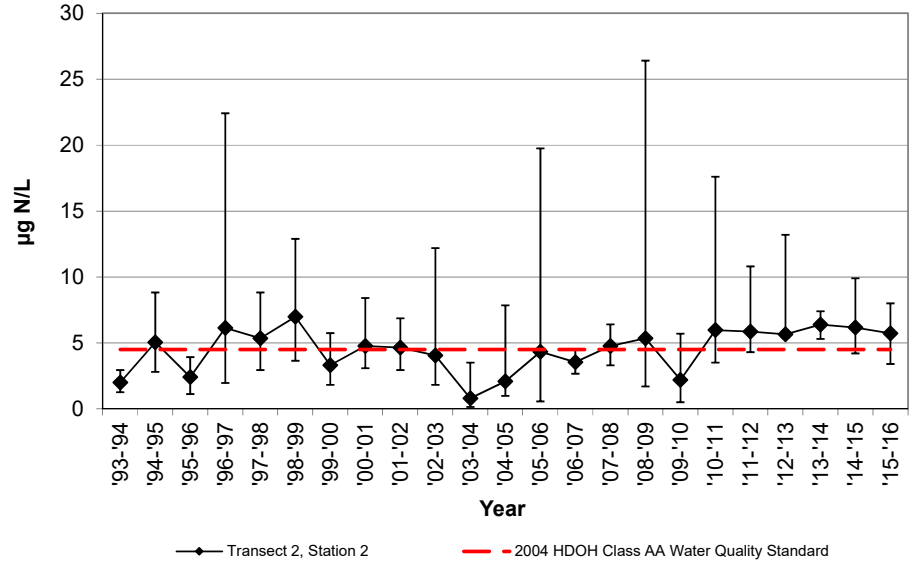
Transect 2, Station 2

July 1993 - June 2015

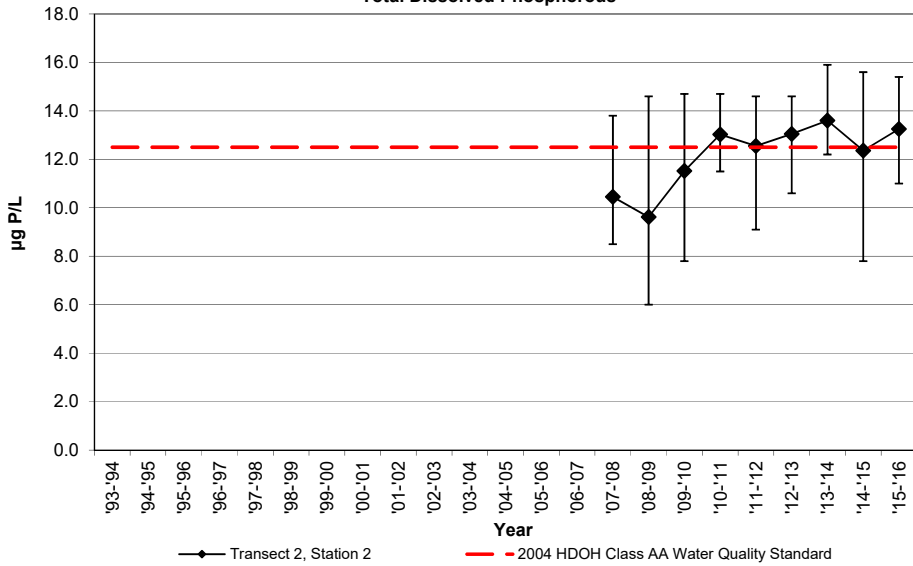
**NELHA Offshore Transect 2, Station 2**  
Yearly Geometric Mean of Ortho-Phosphate



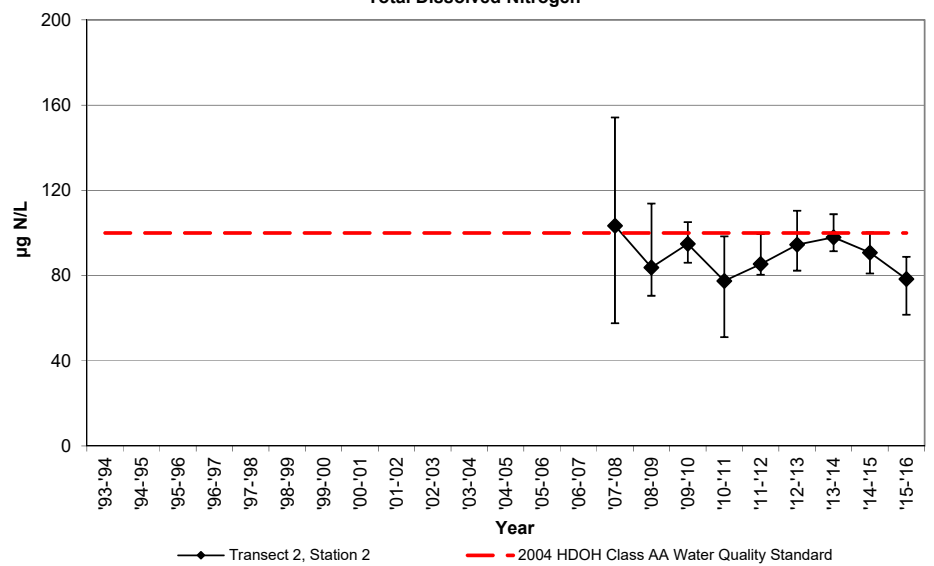
**NELHA Offshore Transect 2, Station 2**  
Yearly Geometric Mean of Nitrate + Nitrite



**NELHA Offshore Transect 2, Station 2**  
Yearly Geometric Mean of  
Total Dissolved Phosphorous

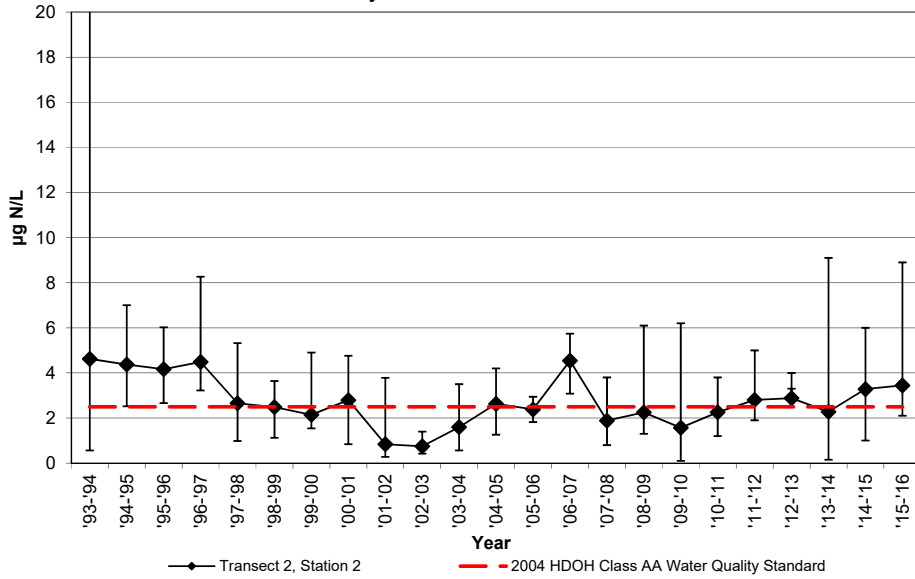


**NELHA Offshore Transect 2, Station 2**  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

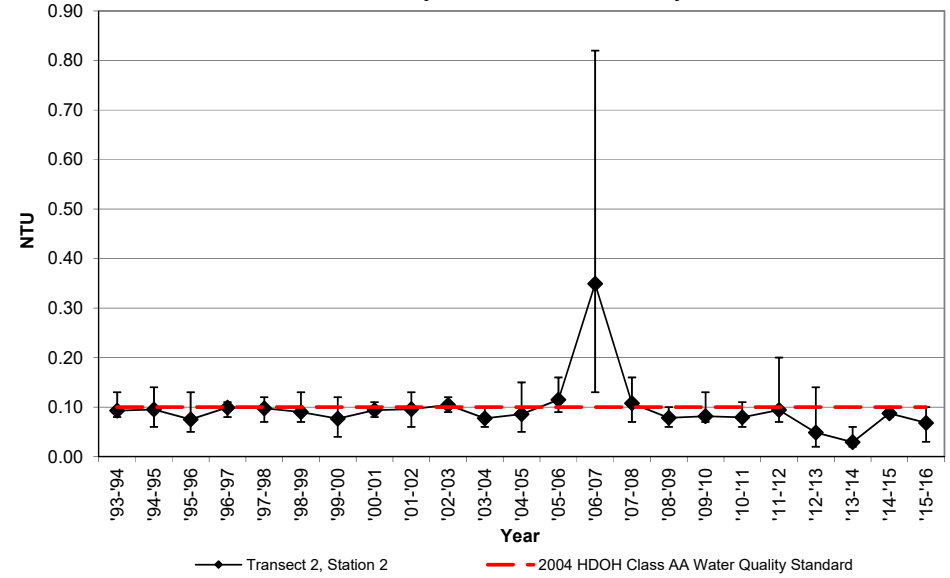


NELHA Water Quality Laboratory  
 Transect 2, Station 2  
 July 1993 - June 2015

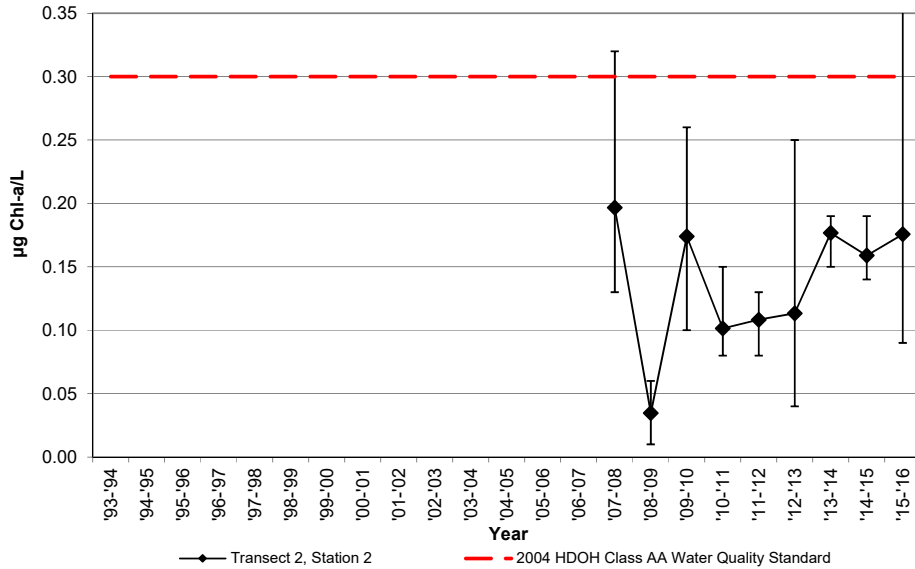
NELHA Offshore Transect 2, Station 2  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 2, Station 2  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 2, Station 2  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 2, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-3S-38m	7/27/93	954	0.07	2.2	0.05	0.7	0.24	3.4	2.4	66					0.08	34.471	26.6			
O2-3S-38m	12/7/93	916	0.10	3.1	0.20	2.8	0.20	2.8	3.6	102					0.06	34.774	25.6			
O2-3S-38m	3/16/94	915	0.16	5.0	0.29	4.1	0.17	2.4	5.5	154					0.10	34.442	24.6			
O2-3S-38m	6/14/94	854	0.12	3.7	0.15	2.1	0.08	1.1	2.7	75					0.11	34.541	25.3			
<b>Geomean '93-'94</b>			<b>3.3</b>		<b>2.0</b>		<b>2.2</b>								<b>0.09</b>					
O2-3S-38m	9/8/94	1019	0.10	3.1	0.26	3.6	0.20	2.8	3.4	95					0.08	34.590	27.7			
O2-3S-38m	11/16/94	816	0.15	4.6	0.24	3.4	0.52	7.3	3.4	94					0.07	34.555	26.0			
O2-3S-38m	3/21/95	1014	0.20	6.2	0.17	2.4	0.18	2.5	3.4	95					0.10	34.210	25.4			
O2-3S-38m	6/26/95	825	0.12	3.7	0.45	6.3	0.49	6.9	4.9	137					0.07	34.514	26.5			
<b>Geomean '94-'95</b>			<b>4.3</b>		<b>3.7</b>		<b>4.3</b>								<b>0.08</b>					
O2-3S-38m	9/25/95	1037	0.12	3.7	0.35	4.9	0.20	2.8	5.4	153					0.12	34.476	27.3			
O2-3S-38m	11/13/95	1001	0.11	3.4	0.18	2.5	0.40	5.6	2.1	60					0.07	34.391	26.8			
O2-3S-38m	3/11/96	1051	0.13	4.0	0.21	2.9	0.47	6.6	2.9	82					0.10	34.245	25.3			
O2-3S-38m	5/13/96	956	0.10	3.1	0.04	0.6	0.23	3.2	1.9	53					0.07	34.317	26.9			
<b>Geomean '95-'96</b>			<b>3.5</b>		<b>2.1</b>		<b>4.3</b>								<b>0.09</b>					
O2-3S-38m	7/30/96	940	0.11	3.4	0.96	13.4	0.18	2.5	3.7	103					0.10	34.462	27.9			
O2-3S-38m	10/1/96	1028	0.07	2.2	0.13	1.8	0.59	8.3	2.0	56					0.08	34.722	27.9			
O2-3S-38m	1/6/97	1056	0.09	2.8	0.23	3.2	0.20	2.8	3.3	93					0.09	34.668	25.7			
O2-3S-38m	4/21/97	1040	0.10	3.1	0.79	11.1	0.22	3.1	2.7	77					0.09	34.530	26.4			
<b>Geomean '96-'97</b>			<b>2.8</b>		<b>5.4</b>		<b>3.7</b>								<b>0.09</b>					
O2-3S-38m	8/18/97	1027	0.11	3.4	0.56	7.8	0.26	3.6	8.0	224					0.10	34.538	26.8			
O2-3S-38m	10/6/97	1058	0.10	3.1	0.18	2.5	0.33	4.6	4.0	111					0.09	34.724	27.5			
O2-3S-38m	3/3/98	1032	0.09	2.8	0.27	3.8	0.20	2.8	3.3	92					0.08	34.989	24.9			
O2-3S-38m	5/4/98	1001	0.11	3.4	0.70	9.8	0.11	1.5	7.2	202					0.07	34.914	23.8			
<b>Geomean '97-'98</b>			<b>3.2</b>		<b>5.2</b>		<b>2.9</b>								<b>0.08</b>					
O2-3S-38m	7/6/98	1100	0.13	4.0	0.75	10.5	0.07	1.0	9.3	260					0.10	34.937	26.3			
O2-3S-38m	10/5/98	1037	0.09	2.8	0.16	2.2	0.16	2.2	3.5	98					0.08	35.102	27.3			
O2-3S-38m	1/13/99	1047	0.11	3.4	0.41	5.7	0.10	1.4	3.3	94					0.07	35.080	24.9			
O2-3S-38m	4/12/99	1027	0.13	4.0	0.25	3.5	0.06	0.8	4.2	119					0.08	34.665	24.1			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>4.7</b>		<b>1.3</b>								<b>0.08</b>					
O2-3S-38m	7/6/99	1040	0.11	3.4	0.10	1.4	0.09	1.3	2.5	70					0.09	34.945	25.7			
O2-3S-38m	10/4/99	1122	0.12	3.7	0.30	4.2	0.10	1.4	6.1	172					0.09	34.915	26.0			
O2-3S-38m	1/4/00	1103	0.11	3.4	0.32	4.5	0.35	4.9	3.5	97					0.10	35.094	24.8			
O2-3S-38m	4/17/00	1052	0.12	3.7	0.36	5.0	0.15	2.1	7.2	202					0.06	34.618	24.3			
<b>Geomean '99-'00</b>			<b>3.6</b>		<b>3.4</b>		<b>2.1</b>								<b>0.08</b>					
O2-3S-38m	7/24/00	1110	0.11	3.4	0.25	3.5	0.03	0.4	2.8	78					0.08	34.879	27.3			
O2-3S-38m	10/30/00	1127	0.12	3.7	0.03	0.4	0.31	4.3	4.5	127					0.08	34.997	27.0			
O2-3S-38m	2/26/01	1116	0.16	5.0	0.28	3.9	0.20	2.8	5.0	140					0.14	34.707	24.9			
O2-3S-38m	5/7/01	1122	0.14	4.3	0.46	6.4	0.33	4.6	3.8	107					0.06	34.833	24.6			
<b>Geomean '00-'01</b>			<b>4.1</b>		<b>2.5</b>		<b>2.2</b>								<b>0.09</b>					
O2-3S-38m	8/21/01	1020	0.14	4.3	0.29	4.1	0.03	0.4	2.5	69					0.08	34.792	26.6			
O2-3S-38m	10/8/01	1039	0.14	4.3	0.16	2.2	0.05	0.7	2.7	75					0.08	34.960	27.3			
O2-3S-38m	3/5/02	953	0.15	4.6	0.20	2.8	0.03	0.4	4.2	119					0.10	34.683	24.2			
O2-3S-38m	4/17/02	1000	0.16	5.0	0.29	4.1	0.26	3.6	4.3	122					0.10	34.466	25.5			
<b>Geomean '01-'02</b>			<b>4.6</b>		<b>3.2</b>		<b>0.8</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 2, Station 3

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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-3S-38m	7/8/02	1117	0.18	5.6	0.17	2.4	0.11	1.5	3.6	100					0.08	34.660	26.5			
O2-3S-38m	10/9/02	952	0.05	1.5	0.20	2.8	0.13	1.8	2.7	76					0.09	34.931	27.0			
O2-3S-38m	3/12/03	1112	0.12	3.7	0.27	3.8	0.03	0.4	10.6	298					0.21	34.805	25.1			
O2-3S-38m	4/22/03	1116	0.10	3.1	0.42	5.9	0.04	0.6	2.6	73					0.13	35.026	25.2			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.2</b>		<b>3.5</b>		<b>0.9</b>								<b>0.12</b>					
O2-3S-38m	8/18/03	1238	0.08	2.5	0.08	1.1	0.20	2.8	2.3	64					0.04	34.839	28.2			
O2-3S-38m	10/29/03	1128	0.06	1.9	0.06	0.8	0.10	1.4	2.2	63					0.09	34.862	27.6			
O2-3S-38m	3/11/04	1014	0.13	4.0	0.04	0.6	0.04	0.6	1.7	46					n/a	34.361	25.7			
O2-3S-38m	5/20/04	1032	0.11	3.4	0.01	0.1	0.21	2.9	1.6	46					n/a	33.36	27.0			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.8</b>		<b>0.5</b>		<b>1.6</b>								<b>0.06</b>					
O2-3S-38m	9/20/04	957	0.10	3.1	0.11	1.5	0.23	3.2	2.2	61					0.08	33.74	27.8			
O2-3S-38m	11/17/04	930	0.10	3.1	0.19	2.7	0.23	3.2	1.8	51					0.09	33.52	27.4			
O2-3S-38m	1/13/05	1052	0.06	1.9	0.17	2.4	0.06	0.8	2.5	70					0.09	34.838	24.9			
O2-3S-38m	4/11/05	1053	0.14	4.3	0.38	5.3	0.29	4.1	2.9	83					0.07	34.511	25.3			
<b>Geomean</b>	<b>'04-'05</b>		<b>3.0</b>		<b>2.7</b>		<b>2.4</b>								<b>0.08</b>					
O2-3S-38m	7/20/05	1049	0.05	1.5	0.01	0.1	0.13	1.8	1.4	40					0.07	34.747	26.8			
O2-3S-38m	10/11/05	926	0.06	1.9	0.01	0.1	0.19	2.7	4.5	126					0.13	34.900	26.5			
O2-3S-38m	3/13/06	1035	0.10	3.1	0.23	3.2	0.29	4.1	5.6	158					0.10	34.814	24.6			
O2-3S-38m	5/15/06	1007	0.10	3.1	1.54	21.6	0.17	2.4	13.4	376					0.13	34.389	24.9			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.3</b>		<b>1.1</b>		<b>2.6</b>								<b>0.10</b>					
O2-3S-38m	8/14/06	1003	0.13	4.0	0.36	5.0	0.20	2.8	3.2	89					0.13	34.602	26.6			
O2-3S-38m	11/1/06	1011	0.09	2.8	0.24	3.4	0.37	5.2	2.4	69					0.30	34.806	26.8			
O2-3S-38m	2/12/07	1034	0.13	4.0	0.25	3.5	0.40	5.6	2.9	82					0.12	34.543	24.5			
O2-3S-38m	4/9/07	1003	0.10	3.1	0.18	2.5	0.26	3.6	3.7	104					0.17	34.685	25.1			
<b>Geomean</b>	<b>'06-'07</b>		<b>3.4</b>		<b>3.5</b>		<b>4.1</b>								<b>0.17</b>					
T2-50m	9/26/07	1002	0.17	5.3	0.29	4.0	0.11	1.6	5.0	141	0.09	2.8	5.4	76	0.04	34.945	26.8	8.16	6.23	0.09
T2-50m	12/13/07	1126	0.10	3.2	0.31	4.3			16.3	456	0.38	11.8	6.1	86	0.14	34.707	25.7	8.23	6.45	0.25
T2-50m	3/10/08	1017	0.20	6.1	0.41	5.7	0.06	0.8	4.1	115	0.41	12.7	7.1	99	0.25	34.870	25.0	8.19	6.54	0.26
T2-50m	6/5/08	1020	0.12	3.8	0.26	3.6	0.16	2.2	21.2	595	0.20	6.1	8.8	124	0.06	34.798	25.2	8.06	6.44	0.19
<b>Geomean</b>	<b>'07-'08</b>		<b>4.5</b>		<b>4.3</b>		<b>1.4</b>				<b>7.1</b>		<b>95</b>		<b>0.10</b>					<b>0.18</b>
T2-50m	9/22/08	1120	0.05	1.5	0.04	0.6	0.04	0.6	1.8	50	0.27	8.5	4.9	68	0.09	34.812	26.7	8.03	6.60	0.09
T2-50m	11/17/08	1000	0.16	5	0.16	2.2	0.16	2.2	2.4	66	0.39	12	5.8	82	0.06	34.962	25.7	8.25	6.05	0.06
T2-50m	2/9/09	1002	0.06	2	0.10	1.4	0.10	1.4	1.2	33	0.14	4.3	5.5	77	0.07	35.116	24.9	8.06	5.99	0.01
T2-50m	4/13/09	951	0.26	7.9	0.49	6.9	0.49	6.9	3.5	98	0.47	14.5	7.0	98	0.10	34.955	24.0	8.18	6.15	0.02
<b>Geomean</b>	<b>'08-'09</b>		<b>3.3</b>		<b>1.9</b>		<b>1.9</b>				<b>8.9</b>		<b>81</b>		<b>0.08</b>					<b>0.03</b>
T2-50m	9/9/09	1000	0.19	5.8	0.29	4	0.38	5.3	8.3	233	0.43	13.3	8.5	118	0.05	35.22	27.0	8.21	5.76	0.15
T2-50m	11/23/09	1014	0.03	0.8	0.15	2.1	0.01	0.2	15.7	441	0.40	12.4	5.8	82	0.08	35.21	25.4	8.25	6.33	0.13
T2-50m	2/23/10	1020	0.16	5.1	0.28	3.9	0.45	6.3	14.7	414	0.43	13.4	6.6	93	0.13	35.06	24.6	8.18	6.22	0.28
T2-50m	5/25/10	1035	0.04	1.1	0.06	0.8	0.05	0.7	3.1	87	0.35	10.8	6.0	85	0.06	35.00	24.9	8.22	6.84	0.1
<b>Geomean</b>	<b>'09-'10</b>		<b>2.3</b>		<b>2.3</b>		<b>1.5</b>				<b>12.4</b>		<b>93</b>		<b>0.07</b>					<b>0.15</b>
T2-50m	8/10/10	1015	0.00	0.1	0.51	7.1	0.05	0.7	2.2	61	0.43	13.3	8.5	118	0.06	34.87	26.10	8.23	6.44	0.08
T2-50m	11/8/10	1002	0.02	0.7	0.39	5.5	0.21	3.0	4.1	116	0.32	9.8	6.4	90	0.09	35.26	26.42	8.25	6.28	0.09
T2-50m	1/11/11	1017	0.14	4.3	0.30	4.2	0.07	1.0	12.4	348	0.51	15.7	4.5	64	0.05	34.92	24.93	8.23	6.44	0.16
T2-50m	4/26/11	1019	0.12	3.7	0.53	7.4	0.16	2.2	18.4	517	0.42	13	4.6	64	0.09	34.98	25.01	8.21	6.43	0.14
<b>Geomean</b>	<b>'10-'11</b>		<b>1.0</b>		<b>5.9</b>		<b>1.5</b>				<b>12.8</b>		<b>81</b>		<b>0.07</b>					<b>0.11</b>

NELHA Water Quality Laboratory

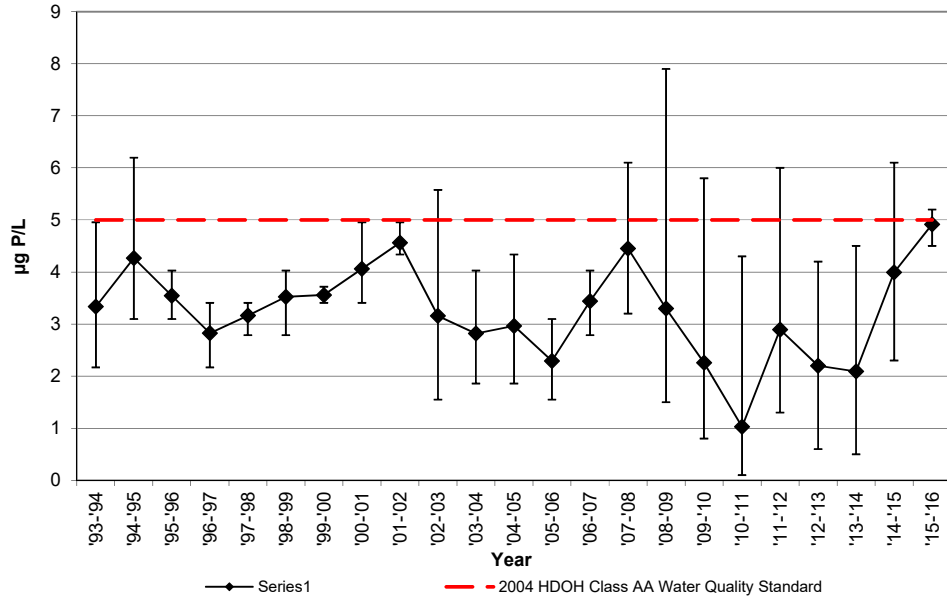
Transect 2, Station 3

July 1993 - June 2015

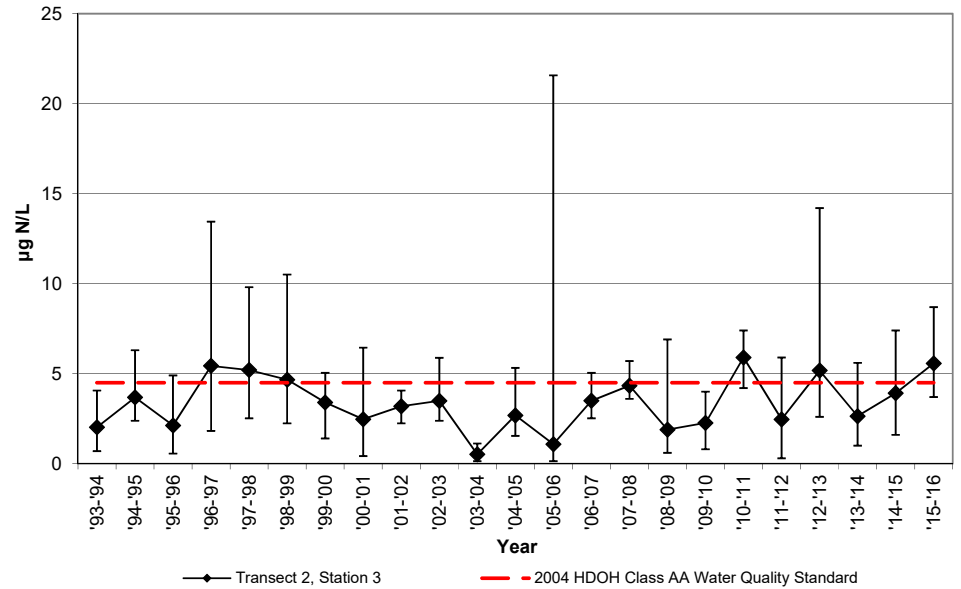
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T2-50m	7/26/11	1044	0.19	6	0.42	5.9	0.15	2.1	3.0	84	0.48	15	6.2	87	0.04	34.79	25.97	8.26	6.68	0.09
T2-50m	10/18/11	1007	0.04	1.3	0.25	3.5	0.26	3.7	2.3	66	0.32	9.9	4.9	68	0.05	35.05	26.55	8.21	6.79	0.10
T2-50m	1/25/12	1031	0.06	2	0.02	0.3	0.02	0.3	1.4	41	0.37	11.6	5.1	71	0.07	35.03	24.66	8.20	6.73	0.13
T2-50m	4/24/12	1057	0.15	4.5	0.42	5.9	0.15	2.1	3.0	84	0.45	13.8	5.2	73	0.07	35.10	24.77	8.22	6.70	0.16
<b>Geomean</b>	<b>'11-'12</b>		<b>2.9</b>		<b>2.5</b>		<b>1.5</b>				<b>12.4</b>		<b>74</b>		<b>0.06</b>					<b>0.12</b>
T2-50m	7/24/12	1020	0.02	0.6	0.26	3.6	0.16	2.2	2.0	57	0.41	12.6	5.5	77	0.09	35.06	26.29	8.23	6.64	0.14
T2-50m	11/27/12	1006	0.10	3.1	1.01	14.2	0.25	3.5	7.4	207	0.41	12.6	6.2	87	0.03	35.00	25.03	8.21	6.90	0.11
T2-50m	1/23/13	1014	0.10	3	0.39	5.4	0.25	3.5	1.9	54	0.49	15.1	7.4	104	0.05	35.11	24.60	8.22	6.46	0.14
T2-50m	4/16/13	1022	0.14	4.2	0.19	2.6	0.18	2.5	0.4	11	0.47	14.5	5.8	81	0.03	35.10	24.89	8.23	6.90	0.05
<b>Geomean</b>	<b>'12-'13</b>		<b>2.2</b>		<b>5.2</b>		<b>2.9</b>				<b>13.7</b>		<b>87</b>		<b>0.04</b>					<b>0.10</b>
T2-50m	8/1/13	928	0.02	0.5	0.07	1.0	0.01	0.1	4.0	114	0.46	14.2	6.9	97	0.20	35.23	26.2	8.25	6.69	0.14
T2-50m	10/29/13	1001	0.15	4.5	0.39	5.4	0.27	3.8	2.8	78	0.50	15.4	6.8	95	0.03	35.29	27.0	8.23	6.44	0.20
T2-50m	2/4/14	1007	0.11	3.4	0.40	5.6	0.50	7.0	2.5	69	0.40	12.3	6.8	95	0.02	34.95	25.2	8.21	6.42	0.09
T2-50m	5/6/14	1010	0.08	2.5	0.11	1.6	0.18	2.5	2.4	68	0.45	13.8	7.4	103	0.02	34.80	26.0	8.21	6.09	0.06
<b>Geomean</b>	<b>'13-'14</b>		<b>2.1</b>		<b>2.6</b>		<b>1.6</b>				<b>13.9</b>		<b>97</b>		<b>0.04</b>					<b>0.11</b>
T2-50m	8/5/14	1017	0.20	6.1	0.26	3.6	0.36	5.0	2.1	60	0.48	15.0	6.8	95	0.07	34.95	26.9	8.22	6.02	0.17
T2-50m	11/17/14	1152	0.16	4.9	0.11	1.6	0.38	5.3	0.3	8	0.71	22.0	6.0	84	0.10	35.00	27.1	8.21	6.83	0.22
T2-50m	3/3/15	1014	0.07	2.3	0.39	5.5	0.14	1.9	3.3	93	0.30	9.2	6.9	96	0.08	34.81	25.5	8.17	6.81	0.14
T2-50m	6/16/15	1126	0.12	3.7	0.53	7.4	0.24	3.3	2.4	68	0.42	13.0	5.1	72	0.07	34.26	26.5	8.20	6.10	0.15
<b>Geomean</b>	<b>'14-'15</b>		<b>4.0</b>		<b>3.9</b>		<b>3.6</b>				<b>14.1</b>		<b>86</b>		<b>0.08</b>					<b>0.17</b>
T2-50m	8/26/15	1113	0.15	4.5	0.29	4.1	0.19	2.7	5.5	155	0.40	12.4	4.6	65	0.02	34.48	28.4	8.22	5.99	0.35
T2-50m	11/17/15	1026	0.17	5.2	0.52	7.3	0.70	9.8	6.5	184	0.50	15.6	5.6	79	0.06	33.98	27.4	8.24	6.26	0.13
T2-50m	3/1/16	1029	0.17	5.2	0.26	3.7	0.40	5.6	0.9	25	0.46	14.2	5.1	72	0.10	34.78	25.5	8.25	5.89	0.10
T2-50m	5/3/16	958	0.15	4.8	0.62	8.7	0.26	3.6	2.3	65	0.24	7.3	5.8	82	0.06	34.67	25.6	8.24	6.35	0.20
<b>Geomean</b>	<b>'15-'16</b>		<b>4.9</b>		<b>5.6</b>		<b>4.8</b>				<b>11.9</b>		<b>74</b>		<b>0.05</b>					<b>0.17</b>

NELHA Water Quality Laboratory  
 Transect 2, Station 3  
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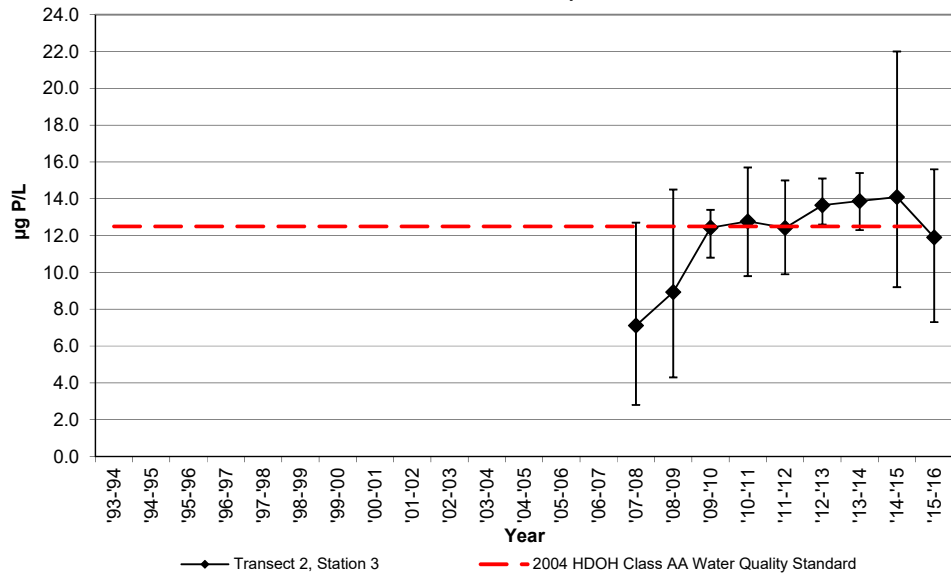
NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of Ortho-Phosphate



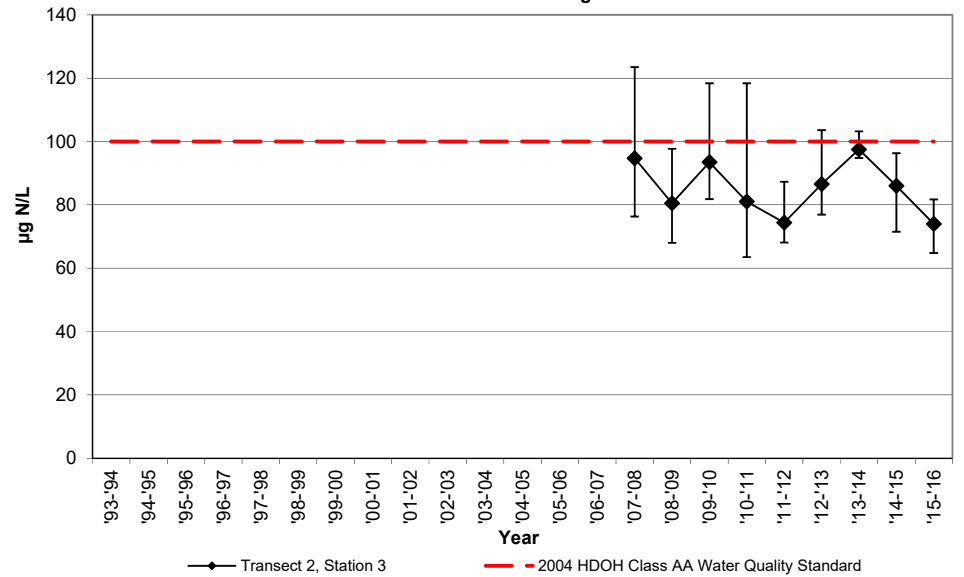
NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

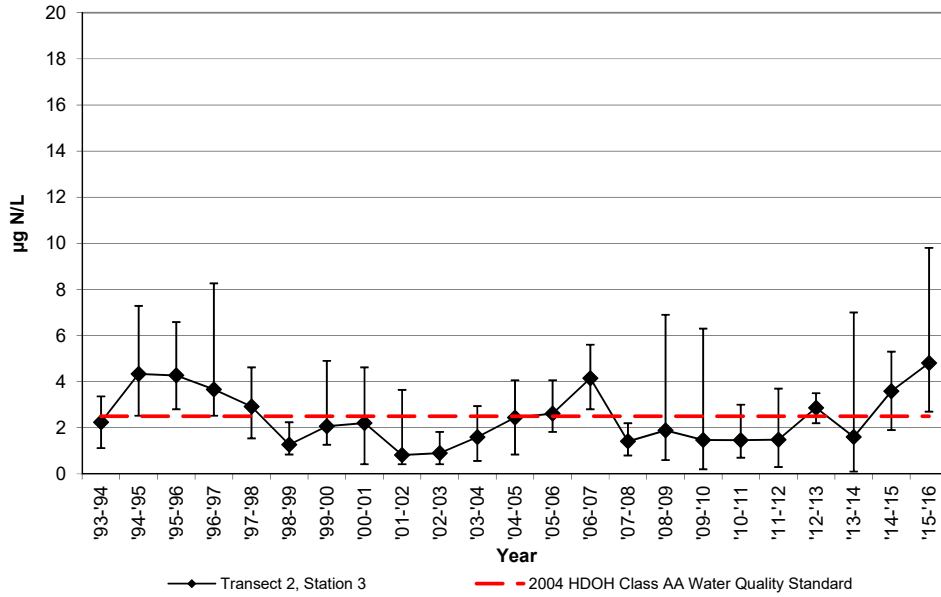


NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

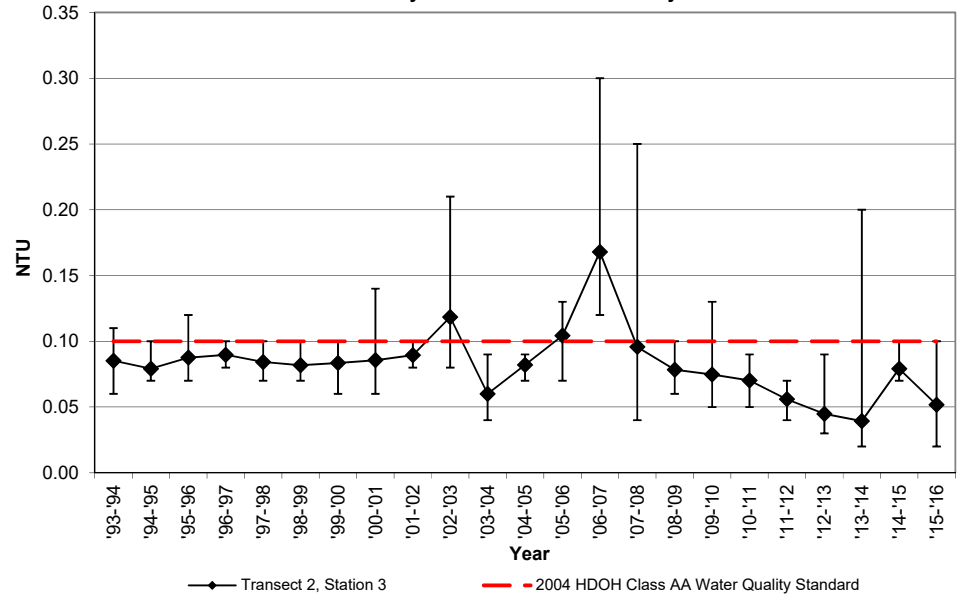


NELHA Water Quality Laboratory  
 Transect 2, Station 3  
 July 1993 - June 2015

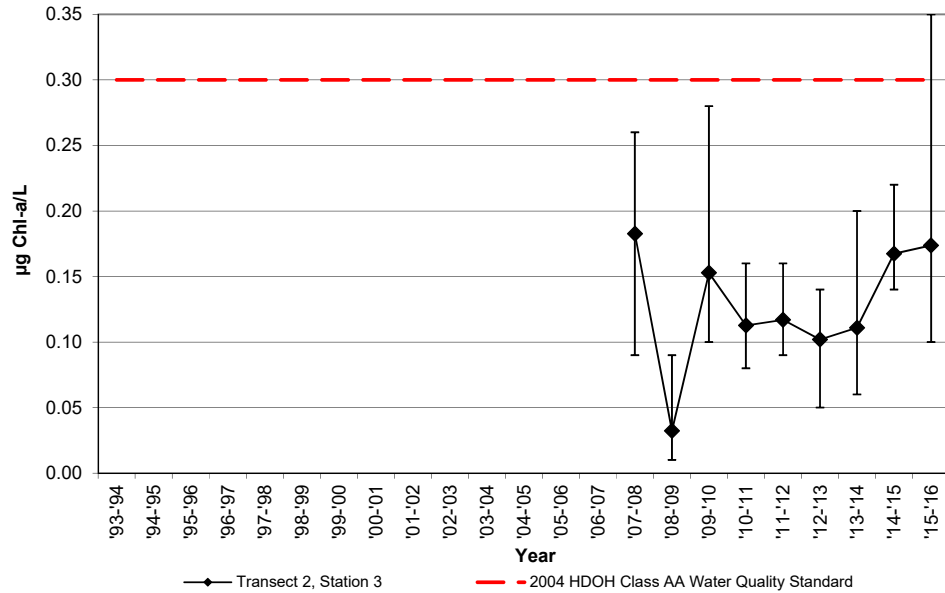
NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 2, Station 3  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 2, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-4S-53m	7/27/93	942	0.11	3.4	0.06	0.8	0.21	2.9	4.4	123					0.10	34.422	26.7			
O2-4S-53m	12/7/93	908	0.09	2.8	0.21	2.9	0.22	3.1	3.6	102					0.08	34.787	25.6			
O2-4S-53m	3/16/94	907	0.17	5.3	0.24	3.4	0.18	2.5	4.7	131					0.08	34.469	24.6			
O2-4S-53m	6/14/94	849	0.12	3.7	0.10	1.4	0.01	0.1	2.7	76					0.10	34.545	25.2			
<b>Geomean '93-'94</b>			<b>3.7</b>		<b>1.8</b>		<b>1.3</b>								<b>0.09</b>					
O2-4S-53m	9/8/94	1016	0.09	2.8	0.18	2.5	0.20	2.8	2.8	79					0.08	34.616	27.6			
O2-4S-53m	11/16/94	813	0.14	4.3	0.14	2.0	0.51	7.1	2.6	74					0.07	34.592	26.0			
O2-4S-53m	3/21/95	959	0.19	5.9	0.16	2.2	0.20	2.8	3.2	89					0.10	34.216	25.1			
O2-4S-53m	6/26/95	817	0.11	3.4	0.17	2.4	0.42	5.9	2.1	58					0.06	34.558	26.5			
<b>Geomean '94-'95</b>			<b>3.9</b>		<b>2.3</b>		<b>4.3</b>								<b>0.08</b>					
O2-4S-53m	9/25/95	1053	0.10	3.1	0.11	1.5	0.10	1.4	7.0	198					0.09	34.537	27.3			
O2-4S-53m	11/13/95	954	0.11	3.4	0.18	2.5	0.43	6.0	1.6	44					0.07	34.391	26.8			
O2-4S-53m	3/11/96	1045	0.11	3.4	0.21	2.9	0.43	6.0	2.2	62					0.11	34.244	25.3			
O2-4S-53m	5/13/96	950	0.10	3.1	0.02	0.3	0.23	3.2	1.8	50					0.06	34.315	26.8			
<b>Geomean '95-'96</b>			<b>3.2</b>		<b>1.3</b>		<b>3.6</b>								<b>0.08</b>					
O2-4S-53m	7/30/96	935	0.11	3.4	1.02	14.3	0.18	2.5	3.7	104					0.08	34.473	27.9			
O2-4S-53m	10/1/96	1024	0.08	2.5	0.14	2.0	0.59	8.3	2.0	56					0.09	34.738	27.8			
O2-4S-53m	1/6/97	1051	0.09	2.8	0.23	3.2	0.24	3.4	3.6	100					0.08	34.664	25.7			
O2-4S-53m	4/21/97	1032	0.12	3.7	0.76	10.6	0.25	3.5	2.8	78					0.09	34.529	26.4			
<b>Geomean '96-'97</b>			<b>3.1</b>		<b>5.6</b>		<b>4.0</b>								<b>0.08</b>					
O2-4S-53m	8/18/97	1023	0.12	3.7	0.65	9.1	0.23	3.2	7.3	206					0.10	34.507	26.8			
O2-4S-53m	10/6/97	1053	0.09	2.8	0.08	1.1	0.32	4.5	14.6	410					0.11	34.729	27.5			
O2-4S-53m	3/3/98	1026	0.07	2.2	0.14	2.0	0.19	2.7	3.2	91					0.07	35.007	24.9			
O2-4S-53m	5/4/98	956	0.12	3.7	0.69	9.7	0.13	1.8	7.3	206					0.08	34.917	23.8			
<b>Geomean '97-'98</b>			<b>3.0</b>		<b>3.7</b>		<b>2.9</b>								<b>0.09</b>					
O2-4S-53m	7/6/98	1054	0.12	3.7	0.59	8.3	0.07	1.0	5.6	158					0.09	34.943	26.3			
O2-4S-53m	10/5/98	1032	0.08	2.5	0.08	1.1	0.11	1.5	1.4	40					0.08	35.123	27.3			
O2-4S-53m	1/13/99	1042	0.11	3.4	0.56	7.8	0.10	1.4	4.5	126					0.07	35.043	25.0			
O2-4S-53m	4/12/99	1021	0.13	4.0	0.27	3.8	0.08	1.1	4.1	116					0.08	34.686	24.1			
<b>Geomean '98-'99</b>			<b>3.4</b>		<b>4.1</b>		<b>1.2</b>								<b>0.08</b>					
O2-4S-53m	7/6/99	1035	0.09	2.8	0.13	1.8	0.11	1.5	3.8	106					0.09	34.950	25.7			
O2-4S-53m	10/4/99	1115	0.12	3.7	0.34	4.8	0.14	2.0	5.1	142					0.08	34.911	26.1			
O2-4S-53m	1/4/00	1059	0.10	3.1	0.32	4.5	0.35	4.9	3.5	98					0.07	35.092	24.8			
O2-4S-53m	4/17/00	1047	0.13	4.0	0.36	5.0	0.15	2.1	3.7	103					0.06	34.611	24.3			
<b>Geomean '99-'00</b>			<b>3.4</b>		<b>3.7</b>		<b>2.4</b>								<b>0.07</b>					
O2-4S-53m	7/24/00	1106	0.11	3.4	0.29	4.1	0.09	1.3	3.7	103					0.06	34.881	27.2			
O2-4S-53m	10/30/00	1121	0.13	4.0	0.04	0.6	0.31	4.3	3.8	106					0.06	34.950	27.1			
O2-4S-53m	2/26/01	1111	0.16	5.0	0.37	5.2	0.19	2.7	5.0	140					0.12	34.711	24.9			
O2-4S-53m	5/7/01	1119	0.12	3.7	0.37	5.2	0.33	4.6	3.6	100					0.13	34.845	24.6			
<b>Geomean '00-'01</b>			<b>4.0</b>		<b>2.8</b>		<b>2.9</b>								<b>0.09</b>					
O2-4S-53m	8/21/01	1015	0.09	2.8	0.10	1.4	0.02	0.3	2.0	57					0.06	34.807	26.6			
O2-4S-53m	10/8/01	1035	0.13	4.0	0.08	1.1	0.06	0.8	2.3	65					0.06	34.948	27.3			
O2-4S-53m	3/5/02	949	0.15	4.6	0.33	4.6	0.03	0.4	4.8	135					0.13	34.680	24.1			
O2-4S-53m	4/17/02	955	0.16	5.0	0.32	4.5	0.23	3.2	18.9	530					0.08	34.463	25.4			
<b>Geomean '01-'02</b>			<b>4.0</b>		<b>2.4</b>		<b>0.8</b>								<b>0.08</b>					



NELHA Water Quality Laboratory

Transect 2, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-4S-53m	7/8/02	1113	0.18	5.6	0.24	3.4	0.15	2.1	3.5	99					0.12	34.643	26.6			
O2-4S-53m	10/9/02	946	0.06	1.9	0.16	2.2	0.12	1.7	2.5	69					0.07	34.944	27.0			
O2-4S-53m	3/12/03	1108	0.10	3.1	0.13	1.8	0.03	0.4	3.5	99					0.07	34.786	25.2			
O2-4S-53m	4/22/03	1110	0.08	2.5	0.28	3.9	0.04	0.6	2.7	77					0.06	35.013	25.1			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.0</b>		<b>2.7</b>		<b>1.0</b>								<b>0.08</b>					
O2-4S-53m	8/18/03	1230	0.06	1.9	0.08	1.1	0.20	2.8	2.5	70					0.04	34.824	28.2			
O2-4S-53m	10/29/03	1120	0.03	0.9	0.03	0.4	0.10	1.4	2.3	65					0.09	34.839	27.6			
O2-4S-53m	3/11/04	1007	0.12	3.7	0.01	0.1	0.04	0.6	1.7	47					n/a	34.353	25.7			
O2-4S-53m	5/20/04	1037	0.11	3.4	0.01	0.1	0.19	2.7	1.4	38					n/a	33.47	27.0			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.2</b>		<b>0.3</b>		<b>1.6</b>								<b>0.06</b>					
O2-4S-53m	9/20/04	952	0.09	2.8	0.05	0.7	0.22	3.1	1.9	52					0.09	33.77	27.8			
O2-4S-53m	11/17/04	925	0.10	3.1	0.13	1.8	0.27	3.8	2.1	58					0.07	33.58	26.7			
O2-4S-53m	1/13/05	1047	0.07	2.2	0.19	2.7	0.06	0.8	3.0	85					0.08	34.849	24.8			
O2-4S-53m	4/11/05	1048	0.13	4.0	0.31	4.3	0.24	3.4	2.8	79					0.08	34.575	25.3			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.9</b>		<b>2.0</b>		<b>2.4</b>								<b>0.08</b>					
O2-4S-53m	7/20/05	1034	0.05	1.5	0.01	0.1	0.13	1.8	1.4	38					0.10	34.743	26.8			
O2-4S-53m	10/11/05	919	0.07	2.2	0.02	0.3	0.19	2.7	2.5	69					0.14	34.904	26.5			
O2-4S-53m	3/13/06	1028	0.09	2.8	0.12	1.7	0.35	4.9	8.8	247					0.09	34.823	24.6			
O2-4S-53m	5/15/06	1002	0.12	3.7	1.27	17.8	0.07	1.0	13.8	388					0.11	34.396	24.8			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.4</b>		<b>1.0</b>		<b>2.2</b>								<b>0.11</b>					
O2-4S-53m	8/14/06	956	0.13	4.0	0.41	5.7	0.17	2.4	3.3	92					0.15	34.597	26.0			
O2-4S-53m	11/1/06	1006	0.08	2.5	0.21	2.9	0.42	5.9	2.3	65					0.28	34.799	26.9			
O2-4S-53m	2/12/07	1028	0.13	4.0	0.24	3.4	0.43	6.0	2.5	70					0.23	34.569	24.5			
O2-4S-53m	4/9/07	957	0.12	3.7	0.20	2.8	0.25	3.5	3.8	106					0.16	34.68	25.1			
<b>Geomean</b>	<b>'06-'07</b>		<b>3.5</b>		<b>3.6</b>		<b>4.1</b>								<b>0.20</b>					
T2-100m	9/26/07	1009	0.13	4.0	0.07	1.0	0.07	1.0	12.6	353	0.01	0.4	6.7	94	0.05	34.977	26.9	8.18	6.27	0.08
T2-100m	12/13/07	1131	0.09	2.7	0.06	0.8			11.7	328	0.26	8.1	7.4	103	0.18	34.700	25.8	8.23	6.42	0.25
T2-100m	3/10/08	1022	0.19	6.0	0.38	5.3	0.06	0.8	3.5	98	0.33	10.1	8.6	121	0.17	34.886	25.1	8.27	6.69	0.32
T2-100m	6/5/08	1022	0.12	3.7	0.22	3.1	0.16	2.2	24.2	679	0.29	9.0	10.5	147	0.05	34.8205	25.1	8.07	6.55	0.15
<b>Geomean</b>	<b>'07-'08</b>		<b>3.9</b>		<b>1.9</b>		<b>1.2</b>				<b>4.1</b>		<b>115</b>		<b>0.09</b>					<b>0.18</b>
T2-100m	9/22/08	1127	0.04	1.3	0.05	0.7	0.16	2.3	1.4	40	0.27	8.4	4.6	65	0.08	34.830	26.8	8.05	6.73	0.07
T2-100m	11/17/08	1006	0.16	4.9	0.06	0.8	0.14	1.9	2.1	59	0.34	10.6	5.2	73	0.06	34.978	25.8	8.26	5.82	0.04
T2-100m	2/9/09	1009	0.06	1.8	0.10	1.4	0.12	1.7	1.5	43	0.11	3.3	6.9	97	0.06	35.127	24.8	8.07	6.03	0.01
T2-100m	4/13/09	956	0.23	7.1	0.12	1.7	0.33	4.6	2.9	80	0.43	13.4	5.3	75	0.10	34.989	24.0	8.19	5.99	0.15
<b>Geomean</b>	<b>'08-'09</b>		<b>3.0</b>		<b>1.1</b>		<b>2.4</b>				<b>7.9</b>		<b>76</b>		<b>0.07</b>					<b>0.05</b>
T2-100m	9/9/09	1007	0.21	6.5	0.16	2.2	0.10	1.4	10.6	298	0.52	16.0	7.1	99	0.06	35.19	26.8	8.20	5.82	0.24
T2-100m	11/23/09	1019	0.03	0.8	0.09	1.2	0.06	0.8	52.2	1466	0.42	13.1	5.6	78	0.06	35.18	25.4	8.25	6.06	0.12
T2-100m	2/23/10	1024	0.15	4.8	0.18	2.5	0.29	4	13.5	380	0.36	11.1	7.2	101	0.06	35.07	24.6	8.18	6.03	0.23
T2-100m	5/25/10	1040	0.03	0.9	0.06	0.9	0.11	1.5	4.6	130	0.36	11.3	6.4	90	0.09	34.99	24.9	8.22	6.88	0.08
<b>Geomean</b>	<b>'09-'10</b>		<b>2.2</b>		<b>1.6</b>		<b>1.6</b>				<b>12.7</b>		<b>92</b>		<b>0.07</b>					<b>0.15</b>
T2-100m	8/10/10	1021	0.05	1.6	0.52	7.3	0.01	0.2	3.9	109	0.52	16	7.1	99	0.05	34.89	26.13	8.22	6.34	0.13
T2-100m	11/8/10	1007	0.00	0.1	0.16	2.2	0.14	1.9	7.5	210	0.33	10.3	5.9	83	0.11	35.26	26.45	8.25	6.16	0.09
T2-100m	1/11/11	1023	0.13	4	0.27	3.8	0.11	1.5	2.7	75	0.45	13.8	3.9	55	0.08	34.95	24.95	8.23	6.32	0.11
T2-100m	4/26/11	1023	0.09	2.8	0.31	4.3	0.06	0.8	1.7	47	0.43	13.4	4.0	56	0.10	34.98	25.00	8.21	6.42	0.11
<b>Geomean</b>	<b>'10-'11</b>		<b>1.2</b>		<b>4.0</b>		<b>0.8</b>				<b>13.2</b>		<b>71</b>		<b>0.08</b>					<b>0.11</b>

NELHA Water Quality Laboratory

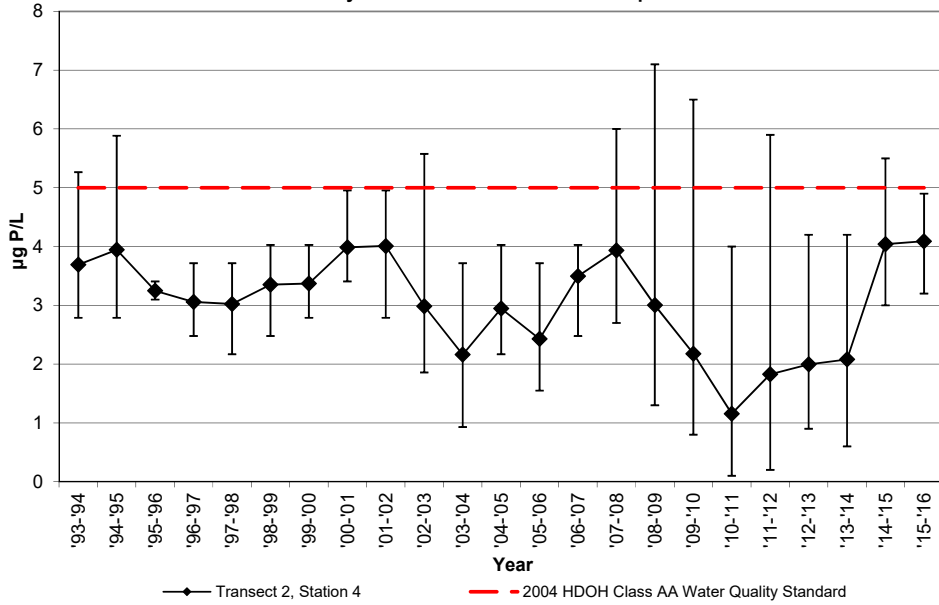
Transect 2, Station 4

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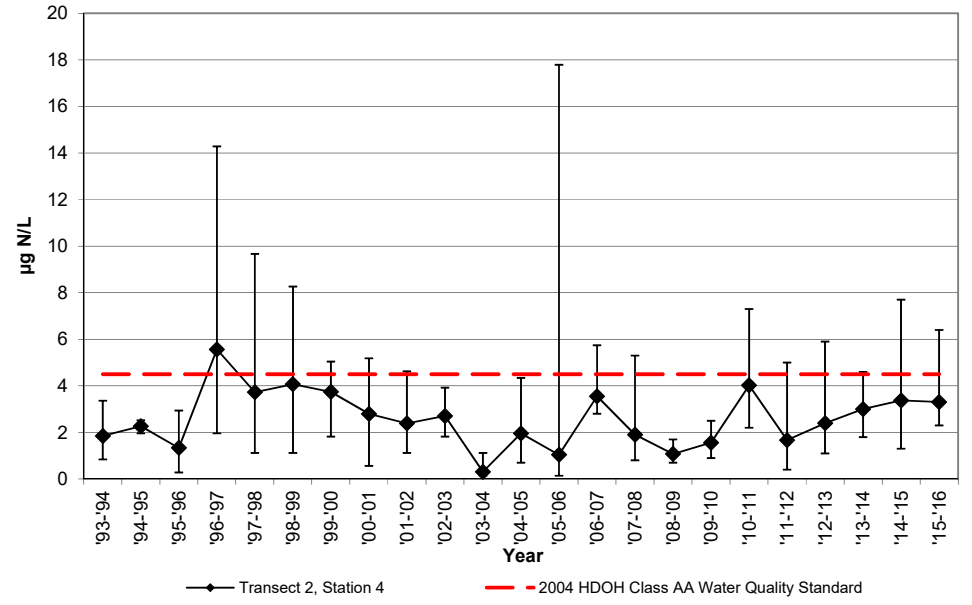
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T2-100m	7/26/11	1050	0.19	5.9	0.36	5	0.14	1.9	2.3	64	0.47	14.7	4.1	57	0.06	34.79	25.98	8.25	6.52	0.11
T2-100m	10/18/11	1012	0.01	0.2	0.03	0.4	0.21	3	1.4	41	0.29	9	3.9	55	0.06	35.06	26.57	8.22	6.84	0.13
T2-100m	1/25/12	1037	0.07	2.2	0.06	0.9	0.08	1.1	2.4	67	0.38	11.8	4.4	62	0.06	34.04	24.63	8.20	6.71	0.03
T2-100m	4/24/12	1103	0.14	4.3	0.31	4.3	0.13	1.8	2.5	70	0.42	13.1	4.1	58	0.11	35.09	24.82	8.25	6.68	0.27
<b>Geomean</b>	<b>'11-'12</b>		<b>1.8</b>		<b>1.7</b>		<b>1.8</b>				<b>12.0</b>		<b>58</b>		<b>0.07</b>					<b>0.10</b>
T2-100m	7/24/12	1025	0.03	0.9	0.28	3.9	0.19	2.6	2.1	58	0.35	10.8	4.7	66	0.05	35.06	26.28	8.24	6.61	0.14
T2-100m	11/27/12	1011	0.07	2.1	0.42	5.9	0.10	1.4	3.8	106	0.45	13.8	5.1	71	0.03	35.18	25.11	8.20	6.83	0.15
T2-100m	1/23/13	1019	0.06	2	0.09	1.3	0.14	1.9	1.2	34	0.45	13.8	5.8	81	0.05	35.12	24.70	8.22	6.30	0.06
T2-100m	4/16/13	1027	0.14	4.2	0.08	1.1	0.18	2.5	0.0	1	0.47	14.5	4.9	68	0.03	35.15	24.92	8.22	6.79	0.05
<b>Geomean</b>	<b>'12-'13</b>		<b>2.0</b>		<b>2.4</b>		<b>2.0</b>				<b>13.1</b>		<b>71</b>		<b>0.04</b>					<b>0.09</b>
T2-100m	8/1/13	935	0.02	0.6	0.19	2.7	0.03	0.4	5.2	147	0.67	20.7	6.2	87	0.18	35.18	26.1	8.25	6.67	0.13
T2-100m	10/29/13	1005	0.14	4.2	0.26	3.7	0.49	6.9	2.3	65	0.46	14.3	5.9	83	0.08	35.30	27.0	8.21	6.25	0.17
T2-100m	2/4/14	1014	0.10	3.1	0.33	4.6	0.54	7.6	2.4	67	0.41	12.6	5.9	83	0.02	34.94	25.2	8.21	6.38	0.16
T2-100m	5/6/14	1015	0.08	2.4	0.13	1.8	0.22	3.1	2.4	66	0.41	12.8	5.6	78	0.05	34.81	26.0	8.21	6.08	0.15
<b>Geomean</b>	<b>'13-'14</b>		<b>2.1</b>		<b>3.0</b>		<b>2.8</b>				<b>14.8</b>		<b>82</b>		<b>0.06</b>					<b>0.15</b>
T2-100m	8/5/14	1021	0.18	5.5	0.26	3.7	0.41	5.7	2.3	66	0.52	16.2	5.8	81	0.09	34.94	26.8	8.22	5.98	0.15
T2-100m	11/17/14	1156	0.16	4.9	0.09	1.3	0.24	3.3	0.2	5	0.48	14.9	5.5	77	0.08	34.94	27.1	8.21	6.77	0.22
T2-100m	3/3/15	1022	0.10	3.0	0.25	3.5	0.13	1.8	2.3	66	0.33	10.3	7.4	104	0.08	34.84	25.6	8.17	6.79	0.14
T2-100m	6/16/15	1134	0.11	3.3	0.55	7.7	0.23	3.2	3.8	106	0.43	13.3	4.9	69	0.06	34.26	26.5	8.19	6.03	0.19
<b>Geomean</b>	<b>'14-'15</b>		<b>4.0</b>		<b>3.4</b>		<b>3.2</b>				<b>13.5</b>		<b>82</b>		<b>0.08</b>					<b>0.17</b>
T2-100m	8/26/15	1119	0.12	3.8	0.21	2.9	0.16	2.2	4.1	115	0.37	11.5	4.7	65	0.04	34.45	28.5	8.22	6.02	0.47
T2-100m	11/17/15	1031	0.16	4.9	0.46	6.4	0.10	1.4	3.9	110	0.50	15.5	5.0	70	0.07	33.97	27.4	8.23	6.23	0.12
T2-100m	3/1/16	1035	0.15	4.7	0.20	2.8	0.42	5.9	0.7	20	0.48	14.8	4.6	65	0.08	34.78	25.4	8.25	5.84	0.15
T2-100m	5/3/16	1004	0.10	3.2	0.16	2.3	0.05	0.7	0.2	7	0.38	11.7	4.2	59	0.07	34.69	25.6	8.24	6.28	0.22
<b>Geomean</b>	<b>'15-'16</b>		<b>4.1</b>		<b>3.3</b>		<b>1.9</b>				<b>13.3</b>		<b>65</b>		<b>0.06</b>					<b>0.21</b>

NELHA Water Quality Laboratory  
 Transect 2, Station 4  
 July 1993 - June 2015

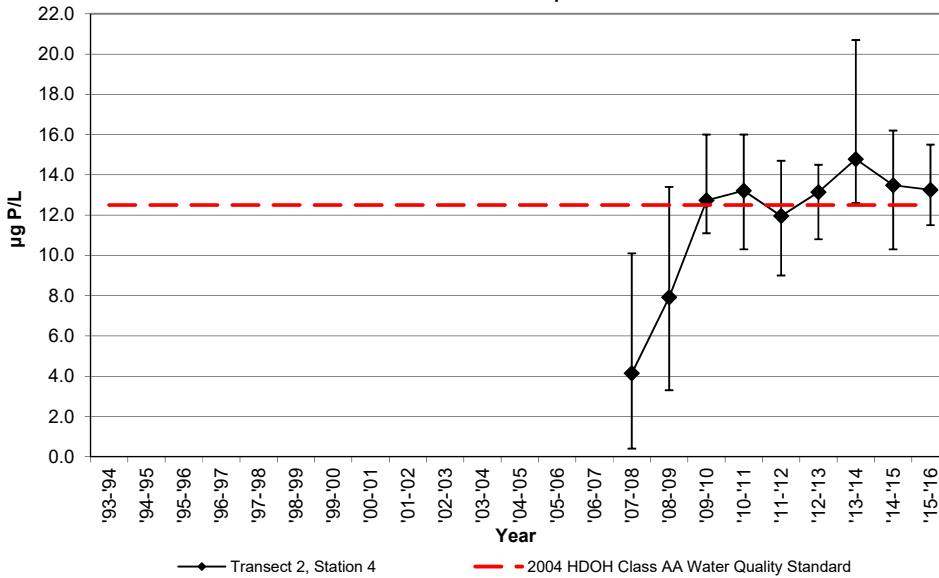
NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of Ortho-Phosphate



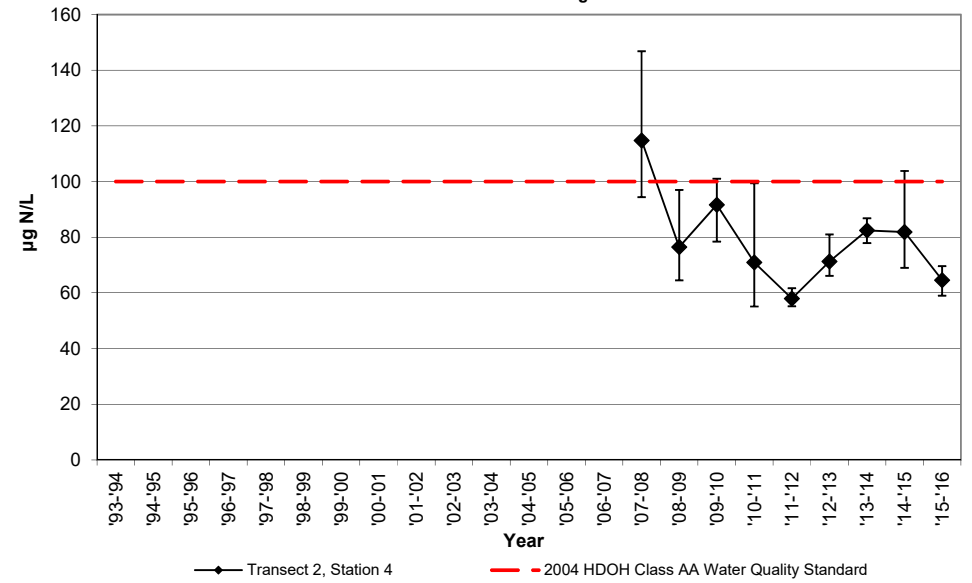
NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

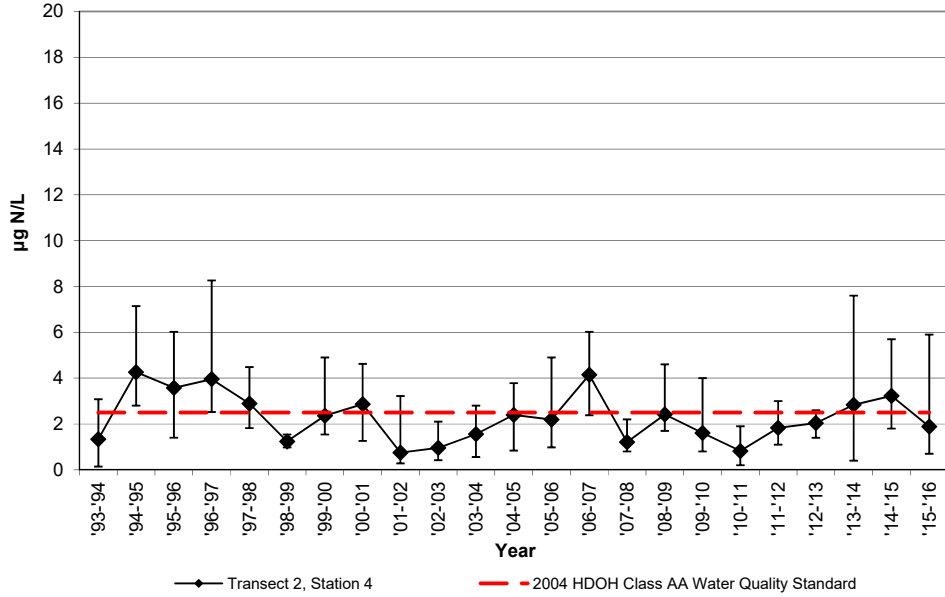


NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

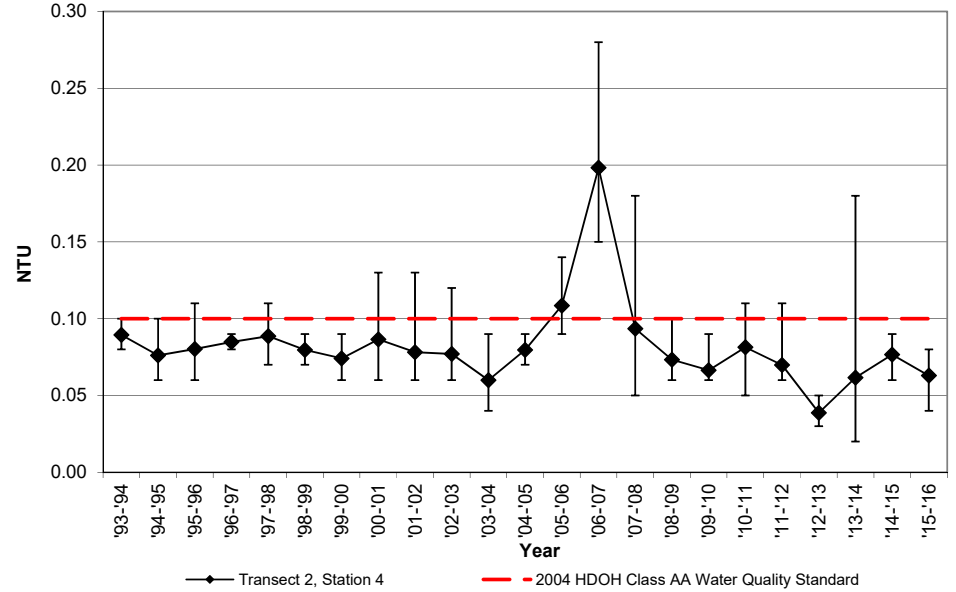


NELHA Water Quality Laboratory  
 Transect 2, Station 4  
 July 1993 - June 2015

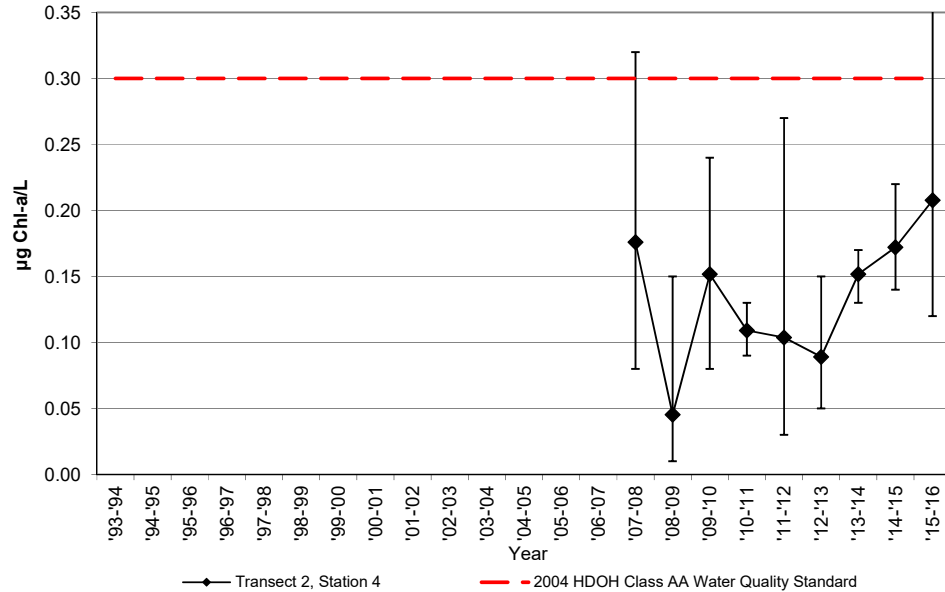
NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 2, Station 4  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 2, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-5S-69m	7/27/93	933	0.08	2.5	0.06	0.8	0.27	3.8	2.4	67					0.08	34.447	26.7			
O2-5S-69m	12/7/93	858	0.09	2.8	0.13	1.8	0.12	1.7	3.9	108					0.07	34.809	25.6			
O2-5S-69m	3/16/94	858	0.16	5.0	0.19	2.7	0.17	2.4	3.9	109					0.09	34.490	24.6			
O2-5S-69m	6/14/94	842	0.09	2.8	0.16	2.2	0.25	3.5	2.8	78					0.08	34.582	25.2			
<b>Geomean '93-'94</b>			<b>3.1</b>		<b>1.7</b>		<b>2.7</b>								<b>0.08</b>					
O2-5S-69m	9/8/94	1012	0.09	2.8	0.16	2.2	0.25	3.5	2.8	78					0.07	34.611	27.6			
O2-5S-69m	11/16/94	809	0.14	4.3	0.17	2.4	0.52	7.3	2.9	81					0.07	34.590	26.0			
O2-5S-69m	3/21/95	950	0.19	5.9	0.02	0.3	0.11	1.5	4.4	123					0.09	34.238	25.1			
O2-5S-69m	6/26/95	815	0.11	3.4	0.16	2.2	0.48	6.7	1.9	53					0.06	34.560	26.5			
<b>Geomean '94-'95</b>			<b>3.9</b>		<b>1.4</b>		<b>4.0</b>								<b>0.07</b>					
O2-5S-69m	9/25/95	1102	0.10	3.1	0.15	2.1	0.17	2.4	3.9	108					0.08	34.511	27.2			
O2-5S-69m	11/13/95	949	0.12	3.7	0.18	2.5	0.43	6.0	2.0	56					0.06	34.385	26.8			
O2-5S-69m	3/11/96	1040	0.11	3.4	0.18	2.5	0.41	5.7	2.2	62					0.07	34.254	25.1			
O2-5S-69m	5/13/96	945	0.08	2.5	0.07	1.0	0.23	3.2	1.5	42					0.04	34.323	26.9			
<b>Geomean '95-'96</b>			<b>3.1</b>		<b>1.9</b>		<b>4.0</b>								<b>0.06</b>					
O2-5S-69m	7/30/96	930	0.09	2.8	0.51	7.1	0.17	2.4	3.0	85					0.08	34.472	27.9			
O2-5S-69m	10/1/96	1019	0.07	2.2	0.12	1.7	0.61	8.5	1.9	52					0.08	34.724	27.8			
O2-5S-69m	1/6/97	1046	0.09	2.8	0.20	2.8	0.18	2.5	3.1	87					0.12	34.680	25.7			
O2-5S-69m	4/21/97	1027	0.10	3.1	0.72	10.1	0.21	2.9	3.0	85					0.09	34.523	26.3			
<b>Geomean '96-'97</b>			<b>2.7</b>		<b>4.3</b>		<b>3.5</b>								<b>0.09</b>					
O2-5S-69m	8/18/97	1018	0.11	3.4	0.61	8.5	0.21	2.9	8.3	234					0.10	34.491	26.9			
O2-5S-69m	10/6/97	1046	0.08	2.5	0.09	1.3	0.37	5.2	4.3	120					0.07	34.723	27.5			
O2-5S-69m	3/3/98	1018	0.07	2.2	0.15	2.1	0.21	2.9	3.5	99					0.08	34.997	24.9			
O2-5S-69m	5/4/98	949	0.13	4.0	0.97	13.6	0.13	1.8	8.8	248					0.10	34.864	23.8			
<b>Geomean '97-'98</b>			<b>2.9</b>		<b>4.2</b>		<b>3.0</b>								<b>0.09</b>					
O2-5S-69m	7/6/98	1047	0.13	4.0	0.65	9.1	0.14	2.0	6.4	180					0.09	34.941	26.2			
O2-5S-69m	10/5/98	1022	0.07	2.2	0.01	0.1	0.08	1.1	2.9	83					0.07	35.126	27.5			
O2-5S-69m	1/13/99	1035	0.06	1.9	0.08	1.1	0.01	0.1	2.5	71					0.06	35.097	25.0			
O2-5S-69m	4/12/99	1013	0.13	4.0	0.37	5.2	0.10	1.4	5.2	145					0.07	34.641	24.1			
<b>Geomean '98-'99</b>			<b>2.8</b>		<b>1.6</b>		<b>0.8</b>								<b>0.07</b>					
O2-5S-69m	7/6/99	1027	0.09	2.8	0.08	1.1	0.06	0.8	2.5	69					0.11	34.969	25.8			
O2-5S-69m	10/4/99	1106	0.13	4.0	0.31	4.3	0.14	2.0	4.8	134					0.14	34.926	26.0			
O2-5S-69m	1/4/00	1052	0.10	3.1	0.58	8.1	0.35	4.9	3.9	109					0.08	35.079	24.9			
O2-5S-69m	4/17/00	1042	0.14	4.3	0.11	1.5	0.01	0.1	10.3	289					0.05	34.647	24.3			
<b>Geomean '99-'00</b>			<b>3.5</b>		<b>2.8</b>		<b>1.0</b>								<b>0.09</b>					
O2-5S-69m	7/24/00	1100	0.10	3.1	0.27	3.8	0.06	0.8	3.1	86					0.07	34.958	27.3			
O2-5S-69m	10/30/00	1110	0.12	3.7	0.03	0.4	0.32	4.5	3.6	100					0.06	34.964	27.0			
O2-5S-69m	2/26/01	1106	0.15	4.6	0.13	1.8	0.20	2.8	6.7	189					0.10	34.731	24.8			
O2-5S-69m	5/7/01	1114	0.13	4.0	0.27	3.8	0.33	4.6	7.9	221					0.09	34.847	24.6			
<b>Geomean '00-'01</b>			<b>3.8</b>		<b>1.8</b>		<b>2.6</b>								<b>0.08</b>					
O2-5S-69m	8/21/01	1008	0.11	3.4	0.29	4.1	0.02	0.3	4.0	112					0.10	34.780	26.7			
O2-5S-69m	10/8/01	1030	0.12	3.7	0.09	1.3	0.05	0.7	2.7	74					0.09	34.950	27.4			
O2-5S-69m	3/5/02	944	0.14	4.3	0.20	2.8	0.02	0.3	2.8	80					0.11	34.702	24.1			
O2-5S-69m	4/17/02	951	0.14	4.3	0.04	0.6	0.24	3.4	3.6	101					0.11	34.478	25.4			
<b>Geomean '01-'02</b>			<b>3.9</b>		<b>1.7</b>		<b>0.7</b>								<b>0.10</b>					

NELHA Water Quality Laboratory

Transect 2, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O2-5S-69m	7/8/02	1108	0.14	4.3	0.03	0.4	0.08	1.1	14.3	400					0.06	34.653	26.6			
O2-5S-69m	10/9/02	942	0.05	1.5	0.08	1.1	0.09	1.3	2.1	60					0.09	34.955	27.1			
O2-5S-69m	3/12/03	1101	0.13	4.0	0.26	3.6	0.07	1.0	2.3	65					0.07	34.774	25.2			
O2-5S-69m	4/22/03	1104	0.08	2.5	0.39	5.5	0.04	0.6	2.7	75					0.07	35.016	25.2			
<b>Geomean '02-'03</b>			<b>2.9</b>		<b>1.7</b>		<b>0.9</b>								<b>0.07</b>					
O2-5S-69m	8/18/03	1200	0.06	1.9	0.09	1.3	0.20	2.8	2.3	64					0.04	34.834	28.2			
O2-5S-69m	10/29/03	1111	0.04	1.2	0.04	0.6	0.10	1.4	2.6	73					0.09	34.83	27.6			
O2-5S-69m	3/11/04	956	0.12	3.7	0.02	0.3	0.04	0.6	1.6	45					n/a	34.356	25.7			
O2-5S-69m	5/20/04	1045	0.10	3.1	0.01	0.1	0.19	2.7	1.3	37					n/a	33.60	27.0			
<b>Geomean '03-'04</b>			<b>2.3</b>		<b>0.4</b>		<b>1.6</b>								<b>0.06</b>					
O2-5S-69m	9/20/04	947	0.08	2.5	0.01	0.1	0.21	2.9	2.2	61					0.07	33.87	27.7			
O2-5S-69m	11/17/04	919	0.08	2.5	0.01	0.1	0.19	2.7	1.8	52					0.07	33.59	26.7			
O2-5S-69m	1/13/05	1041	0.04	1.2	0.10	1.4	0.06	0.8	2.3	63					0.07	34.860	24.6			
O2-5S-69m	4/11/05	1041	0.10	3.1	0.26	3.6	0.20	2.8	3.6	101					0.07	34.487	25.2			
<b>Geomean '04-'05</b>			<b>2.2</b>		<b>0.6</b>		<b>2.1</b>								<b>0.07</b>					
O2-5S-69m	7/20/05	1028	0.05	1.5	0.01	0.1	0.16	2.2	1.3	36					0.11	34.742	26.8			
O2-5S-69m	10/11/05	913	0.05	1.5	0.01	0.1	0.19	2.7	3.7	105					0.09	34.950	26.6			
O2-5S-69m	3/13/06	1020	0.09	2.8	0.01	0.1	0.25	3.5	4.3	120					0.08	34.836	24.6			
O2-5S-69m	5/15/06	958	0.26	8.1	0.94	13.2	0.05	0.7	10.6	297					0.15	34.845	24.9			
<b>Geomean '05-'06</b>			<b>2.7</b>		<b>0.4</b>		<b>2.0</b>								<b>0.10</b>					
O2-5S-69m	8/14/06	950	0.13	4.0	0.30	4.2	0.22	3.1	2.6	74					0.11	34.464	26.5			
O2-5S-69m	11/1/06	1000	0.08	2.5	0.17	2.4	0.39	5.5	2.1	59					0.27	34.841	27.1			
O2-5S-69m	2/12/07	1021	0.12	3.7	0.09	1.3	0.35	4.9	1.9	54					0.71	34.560	24.5			
O2-5S-69m	4/9/07	951	0.16	5.0	0.19	2.7	0.31	4.3	3.6	101					0.33	34.684	25.3			
<b>Geomean '06-'07</b>			<b>3.7</b>		<b>2.4</b>		<b>4.4</b>								<b>0.29</b>					
T2-500m	9/26/07	1022	0.14	4.3	0.07	1.0	0.06	0.8	2.4	69	0.38	11.9	5.0	70	0.06	34.986	26.9	8.20	6.31	0.05
T2-500m	12/13/07	1136	0.10	3.2	0.04	0.6			12.5	350	0.38	11.8	6.1	85	0.11	34.718	25.8	8.23	6.23	0.43
T2-500m	3/10/08	1031	0.18	5.6	0.05	0.7	0.06	0.8	13.1	368	0.46	14.4	8.5	120	0.19	34.921	25.8	8.24	6.58	0.27
T2-500m	6/5/08	1025	0.08	2.6	0.13	1.8	0.16	2.2	18.2	510	0.23	7.2	7.9	110	0.06	34.8198	25.2	8.07	6.51	0.17
<b>Geomean '07-'08</b>			<b>3.8</b>		<b>0.9</b>		<b>1.1</b>					<b>11.0</b>	<b>94</b>		<b>0.09</b>					<b>0.18</b>
T2-500m	9/22/08	1132	0.03	1	0.04	0.5	0.08	1.1	1.5	43	0.27	8.4	4.5	63	0.08	34.860	27.1	8.04	6.33	0.02
T2-500m	11/17/08	1013	0.14	4.4	0.04	0.5	0.14	1.9	1.6	46	0.35	10.7	4.4	61	0.07	34.988	26.1	8.27	5.76	0.02
T2-500m	2/9/09	1019	0.06	1.9	0.10	1.4	0.12	1.7	3.5	99	0.25	7.6	6.9	97	0.06	35.100	24.9	8.06	6.13	0.01
T2-500m	4/13/09	1004	0.20	6.3	0.04	0.6	0.28	3.9	3.3	93	0.44	13.5	4.4	61	0.10	34.997	24.0	8.19	5.96	0.04
<b>Geomean '08-'09</b>			<b>2.7</b>		<b>0.7</b>		<b>1.9</b>					<b>9.8</b>	<b>69</b>		<b>0.08</b>					<b>0.02</b>
T2-500m	9/9/09	1016	0.15	4.7	0.07	1	0.06	0.9	5.0	141	0.55	17.1	6.7	94	0.06	35.23	26.7	8.19	5.46	0.3
T2-500m	11/23/09	1028	0.03	0.8	0.05	0.7	0.03	0.4	10.0	281	0.37	11.6	4.3	60	0.09	35.22	25.4	8.25	6.21	0.11
T2-500m	2/23/10	1032	0.14	4.4	0.04	0.6	0.34	4.7	12.0	336	0.36	11.1	5.0	70	0.05	35.11	24.6	8.19	6.01	0.32
T2-500m	5/25/10	1047	0.01	0.4	0.03	0.4	0.01	0.2	8.3	234	0.53	16.4	6.7	94	0.08	35.01	25.2	8.22	6.92	0.06
<b>Geomean '09-'10</b>			<b>1.6</b>		<b>0.6</b>		<b>0.8</b>					<b>13.8</b>	<b>78</b>		<b>0.07</b>					<b>0.16</b>
T2-500m	8/10/10	1032	0.02	0.5	0.06	0.8	0.05	0.7	1.2	32	0.55	17.1	6.7	94	0.03	34.91	26.31	8.24	6.45	0.04
T2-500m	11/8/10	1015	0.00	0.1	0.04	0.5	0.18	2.5	1.8	50	0.31	9.5	5.0	70	0.11	35.27	26.36	8.25	6.18	0.06
T2-500m	1/11/11	1030	0.11	3.4	0.01	0.1	0.09	1.3	4.0	113	0.42	13.1	3.0	43	0.04	35.01	25.03	8.23	6.38	0.11
T2-500m	4/26/11	1031	0.08	2.6	0.06	0.8	0.15	2.1	20.7	582	0.48	14.8	3.2	45	0.08	34.98	25.05	8.22	6.48	0.12
<b>Geomean '10-'11</b>			<b>0.8</b>		<b>0.4</b>		<b>1.5</b>					<b>13.3</b>	<b>60</b>		<b>0.06</b>					<b>0.08</b>

NELHA Water Quality Laboratory

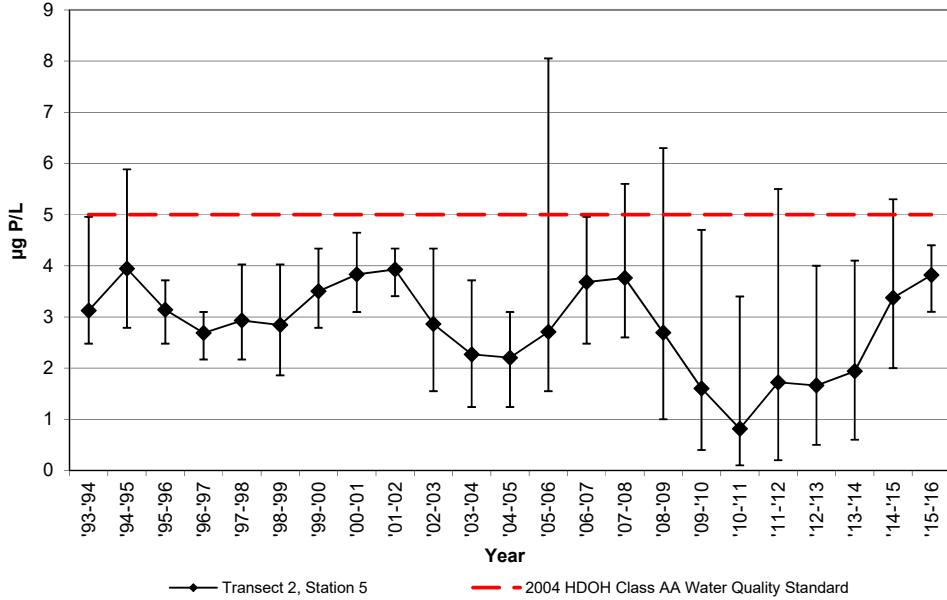
Transect 2, Station 5

July 1993 - June 2015

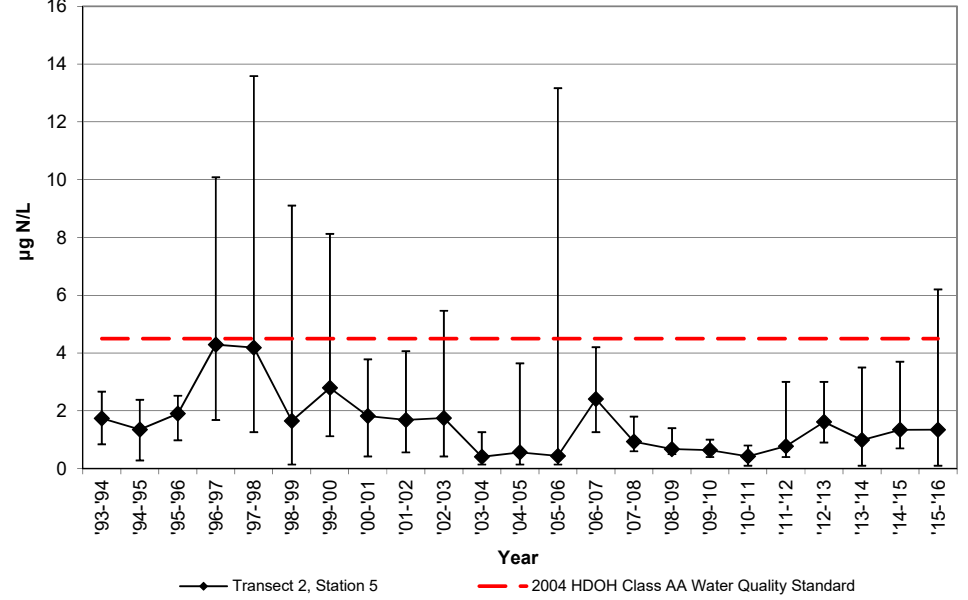
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T2-500m	7/26/11	1103	0.18	5.5	0.03	0.4	0.04	0.5	0.5	15	0.46	14.3	3.4	47	0.10	34.86	26.20	8.26	6.44	0.28
T2-500m	10/18/11	1019	0.01	0.2	0.04	0.6	0.12	1.7	2.2	62	0.30	9.4	4.6	64	0.08	35.05	26.63	8.23	6.79	0.10
T2-500m	1/25/12	1045	0.06	2	0.04	0.5	0.04	0.5	1.8	52	0.37	11.6	3.9	54	0.05	35.04	24.80	8.21	6.72	0.09
T2-500m	4/24/12	1110	0.13	4	0.21	3	0.14	2	3.3	92	0.41	12.8	3.5	50	0.13	34.14	24.89	8.21	6.65	0.29
<b>Geomean</b>	<b>'11-'12</b>		<b>1.7</b>		<b>0.8</b>		<b>1.0</b>				<b>11.9</b>		<b>53</b>		<b>0.08</b>					<b>0.16</b>
T2-500m	7/24/12	1032	0.02	0.5	0.21	3	0.25	3.5	1.7	49	0.34	10.4	4.9	68	0.09	35.06	26.46	8.25	6.76	0.14
T2-500m	11/27/12	1018	0.06	2	0.13	1.8	0.24	3.4	2.3	64	0.56	17.4	5.7	80	0.05	35.21	25.11	8.20	6.88	0.10
T2-500m	1/23/13	1027	0.06	1.9	0.06	0.9	0.21	2.9	1.3	36	0.38	11.8	5.1	71	0.02	35.12	24.70	8.22	6.34	0.18
T2-500m	4/16/13	1034	0.13	4	0.10	1.4	0.22	3.1	0.6	18	0.46	14.3	6.2	88	0.07	35.13	24.89	8.21	6.75	0.06
<b>Geomean</b>	<b>'12-'13</b>		<b>1.7</b>		<b>1.6</b>		<b>3.2</b>				<b>13.2</b>		<b>77</b>		<b>0.05</b>					<b>0.11</b>
T2-500m	8/1/13	943	0.02	0.6	0.11	1.6	0.01	0.2	5.3	149	0.42	13.0	3.9	55	0.06	35.18	26.2	8.25	6.66	0.12
T2-500m	10/29/13	1010	0.13	4.1	0.25	3.5	1.39	19.4	2.9	80	0.47	14.7	6.7	94	0.03	35.27	27.0	8.20	6.32	0.23
T2-500m	2/4/14	1020	0.08	2.5	0.12	1.7	0.58	8.1	2.0	56	0.37	11.6	4.3	60	0.02	34.99	25.2	8.20	6.29	0.17
T2-500m	5/6/14	1023	0.07	2.3	0.01	0.1	0.26	3.6	1.6	45	0.42	12.9	5.3	74	0.06	34.83	26.1	8.22	5.98	0.15
<b>Geomean</b>	<b>'13-'14</b>		<b>1.9</b>		<b>1.0</b>		<b>3.0</b>				<b>13.0</b>		<b>69</b>		<b>0.04</b>					<b>0.16</b>
T2-500m	8/5/14	1025	0.17	5.3	0.06	0.9	0.26	3.6	1.3	36	0.48	15.0	4.7	66	0.10	34.96	26.6	8.22	5.97	0.10
T2-500m	11/17/14	1201	0.16	4.9	0.05	0.7	0.23	3.2	0.1	2	0.46	14.4	6.2	87	0.11	34.96	27.1	8.22	6.66	0.22
T2-500m	3/3/15	1030	0.06	2.0	0.10	1.4	0.09	1.3	0.9	27	0.17	5.4	7.0	99	0.07	34.85	25.6	8.18	6.95	0.14
T2-500m	6/16/15	1145	0.08	2.5	0.26	3.7	0.29	4.1	1.9	55	0.45	13.9	5.1	71	0.04	34.30	26.5	8.20	5.93	0.21
<b>Geomean</b>	<b>'14-'15</b>		<b>3.4</b>		<b>1.3</b>		<b>2.8</b>				<b>11.3</b>		<b>80</b>		<b>0.07</b>					<b>0.16</b>
T2-500m	8/26/15	1127	0.13	3.9	0.01	0.1	0.18	2.5	1.0	28	0.23	7.2	4.8	67	0.02	34.56	28.7	8.23	6.01	0.08
T2-500m	11/17/15	1040	0.13	4.0	0.44	6.2	0.14	1.9	2.9	82	0.53	16.3	7.2	102	0.10	34.00	27.4	8.23	6.21	0.15
T2-500m	3/1/16	1042	0.14	4.4	0.20	2.8	0.28	3.9	0.1	2	0.46	14.1	4.0	57	0.08	34.76	25.5	8.24	5.70	0.08
T2-500m	5/3/16	1011	0.10	3.1	0.14	1.9	0.06	0.9	0.0	1	0.28	8.7	4.6	64	0.06	34.69	25.7	8.24	6.36	0.26
<b>Geomean</b>	<b>'15-'16</b>		<b>3.8</b>		<b>1.3</b>		<b>2.0</b>				<b>11.0</b>		<b>70</b>		<b>0.06</b>					<b>0.13</b>

NELHA Water Quality Laboratory  
 Transect 2, Station 5  
 July 1993 - June 2015

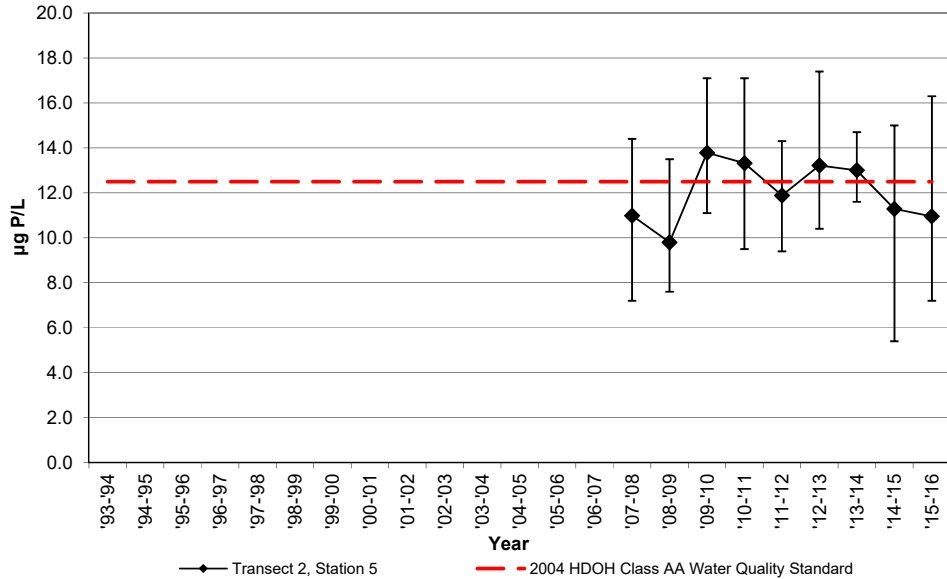
NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of Ortho-Phosphate



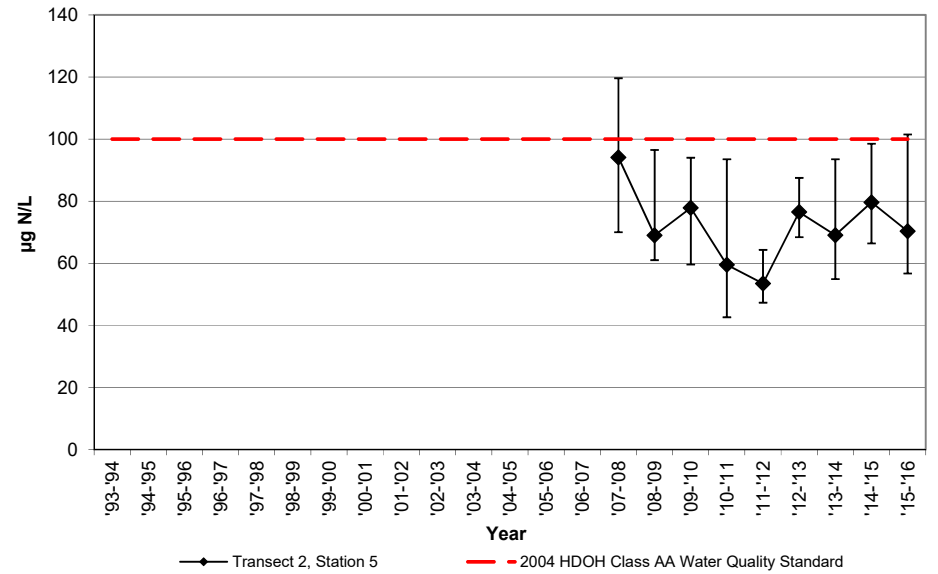
NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous



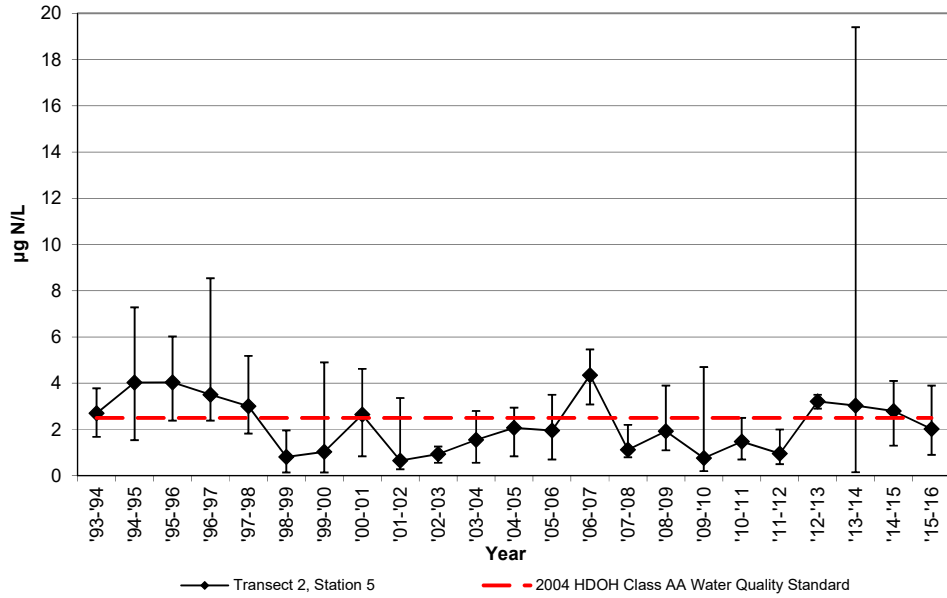
NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen



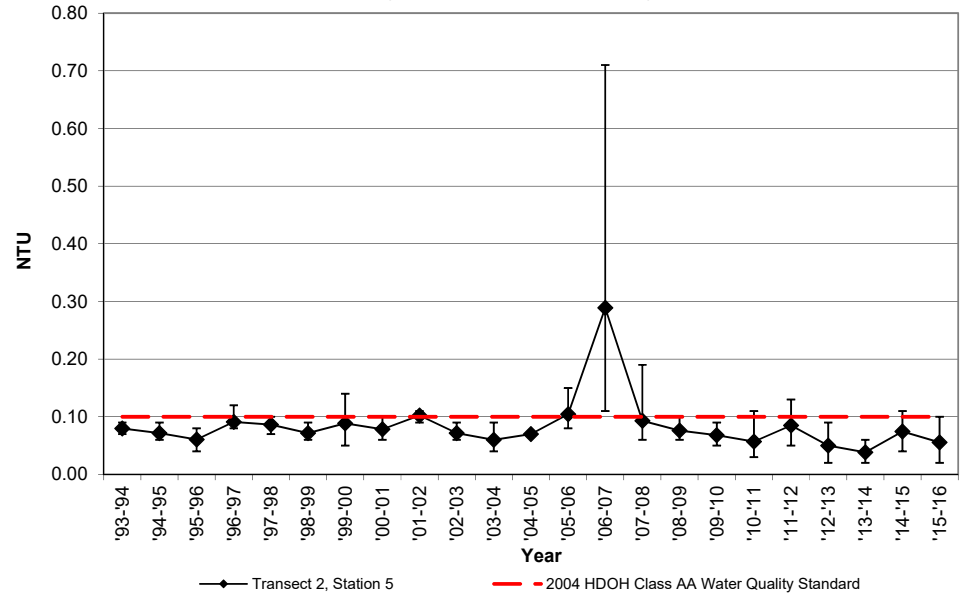


NELHA Water Quality Laboratory  
 Transect 2, Station 5  
 July 1993 - June 2015

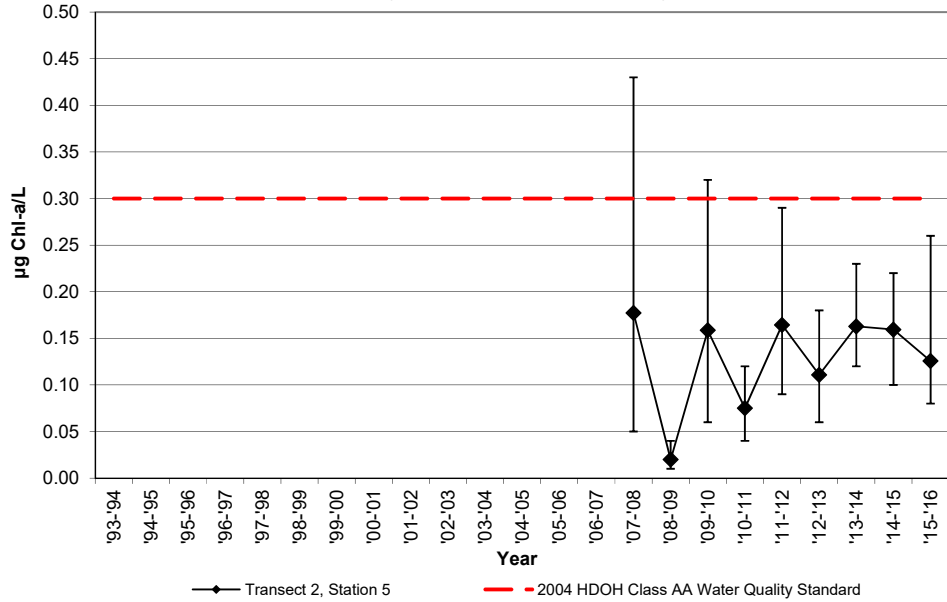
NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 2, Station 5  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

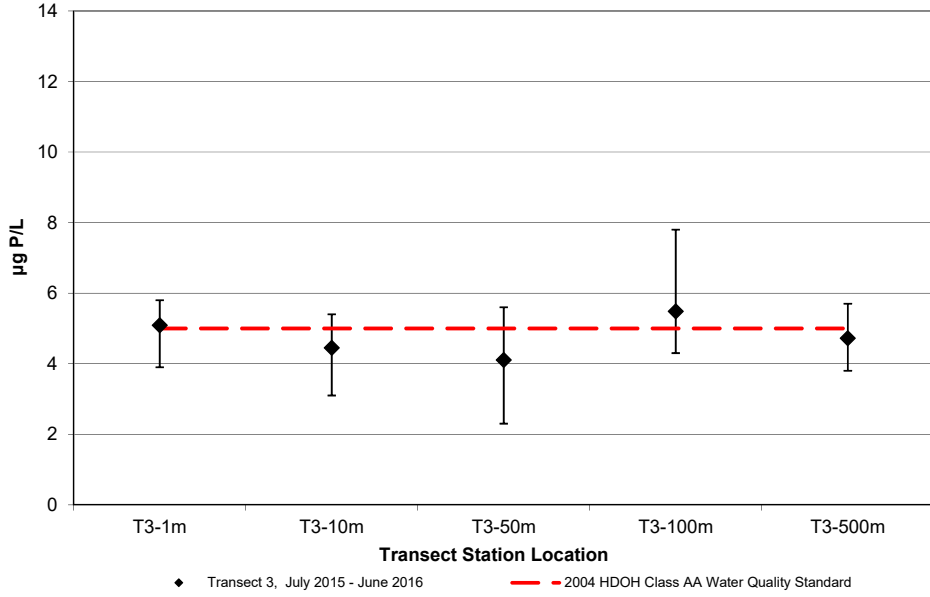
Transect 3

July 2015 - June 2016

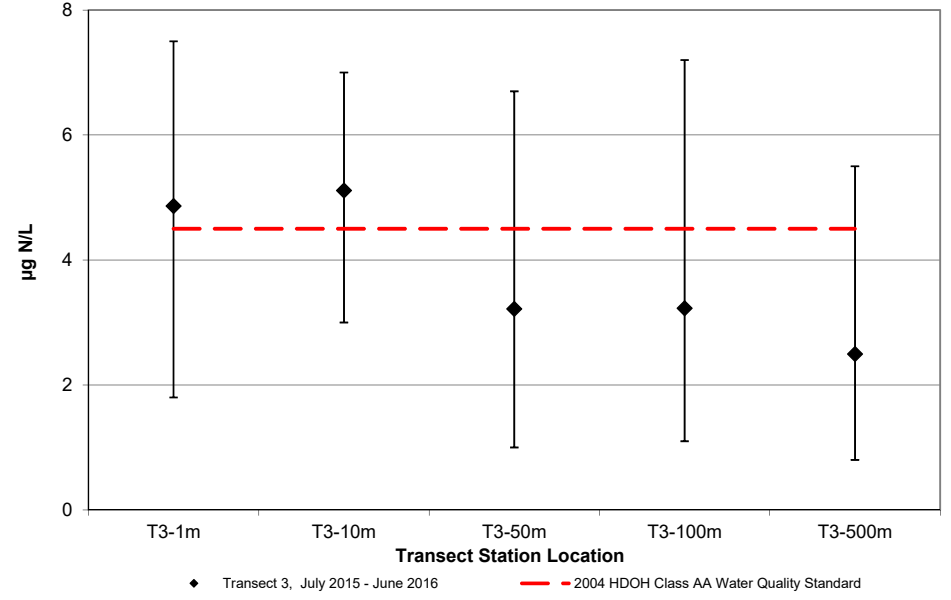
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
				(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>				0.16	<b>5</b>	0.32	<b>4.5</b>	0.18	<b>2.5</b>			0.40	<b>12.5</b>	7.1	<b>100</b>	<b>0.10</b>					<b>0.30</b>
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
<b>Geomean</b>	<b>'15-'16</b>			0.16	<b>5.1</b>	0.35	<b>4.9</b>	0.3	<b>4.7</b>			0.4	<b>12.4</b>	5.5	<b>76</b>	<b>0.06</b>					<b>0.13</b>
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
<b>Geomean</b>	<b>'15-'16</b>			0.14	<b>4.4</b>	0.36	<b>5.1</b>	0.21	<b>2.9</b>			0.39	<b>12.1</b>	5.7	<b>79</b>	<b>0.05</b>					<b>0.16</b>
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
<b>Geomean</b>	<b>'15-'16</b>			0.13	<b>4.1</b>	0.23	<b>3.2</b>	0.22	<b>3.1</b>			0.46	<b>14.2</b>	5.5	<b>77</b>	<b>0.05</b>					<b>0.18</b>
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
<b>Geomean</b>	<b>'15-'16</b>			0.18	<b>5.5</b>	0.23	<b>3.2</b>	0.13	<b>1.8</b>			0.44	<b>13.6</b>	6.0	<b>84</b>	<b>0.06</b>					<b>0.16</b>
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
<b>Geomean</b>	<b>'15-'16</b>			0.15	<b>4.7</b>	0.18	<b>2.5</b>	0.22	<b>3.1</b>			0.39	<b>12.2</b>	5.6	<b>78</b>	<b>0.05</b>					<b>0.14</b>

NELHA Water Quality Laboratory  
 Transect 3  
 July 2015 - June 2016

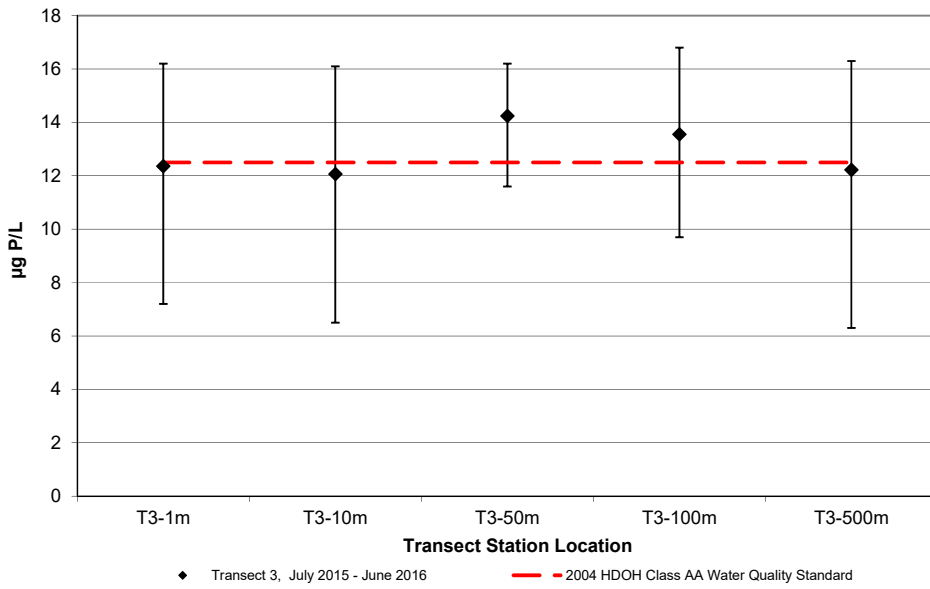
**Transect 3 Station Summary**  
 Ortho-Phosphate Geometric Mean



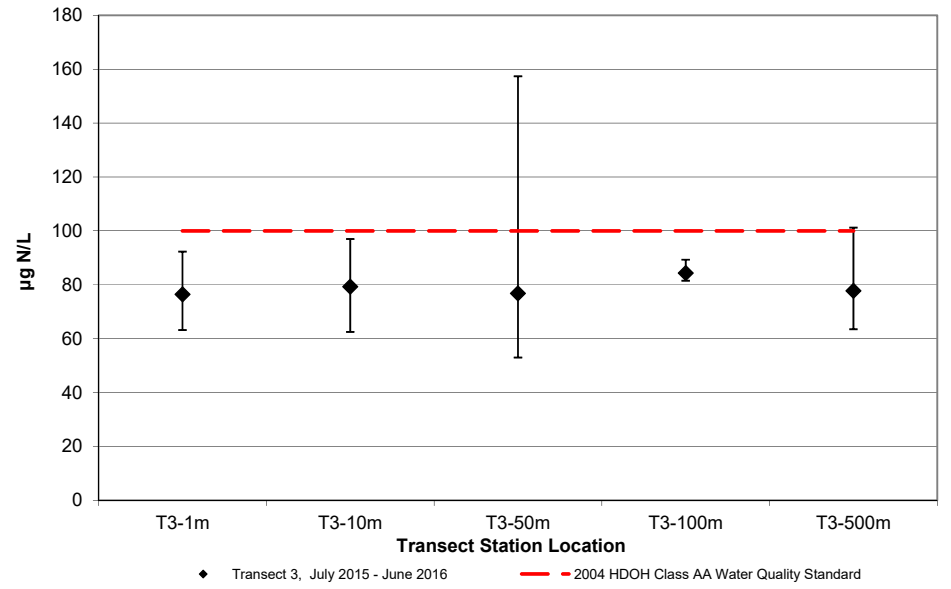
**Transect 3 Station Summary**  
 Nitrate + Nitrite Geometric Mean



**Transect 3 Station Summary**  
 Total Dissolved Phosphorous Geometric Mean

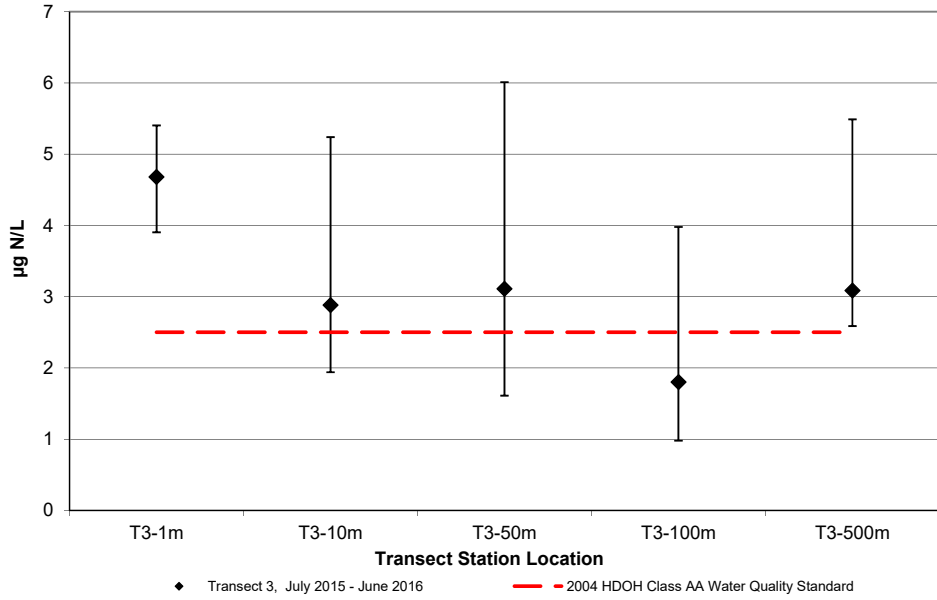


**Transect 3 Station Summary**  
 Total Dissolved Nitrogen Geometric Mean

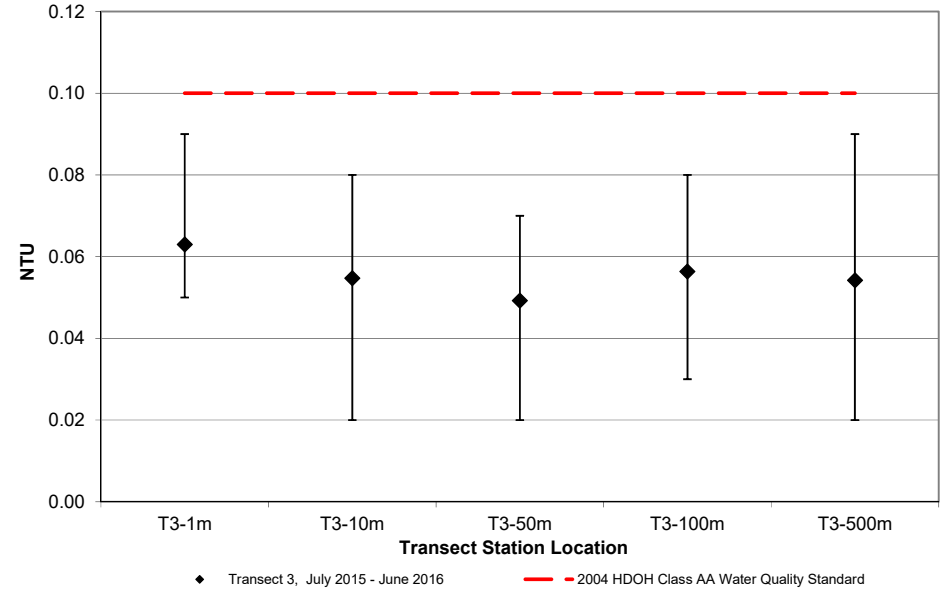


NELHA Water Quality Laboratory  
 Transect 3  
 July 2015 - June 2016

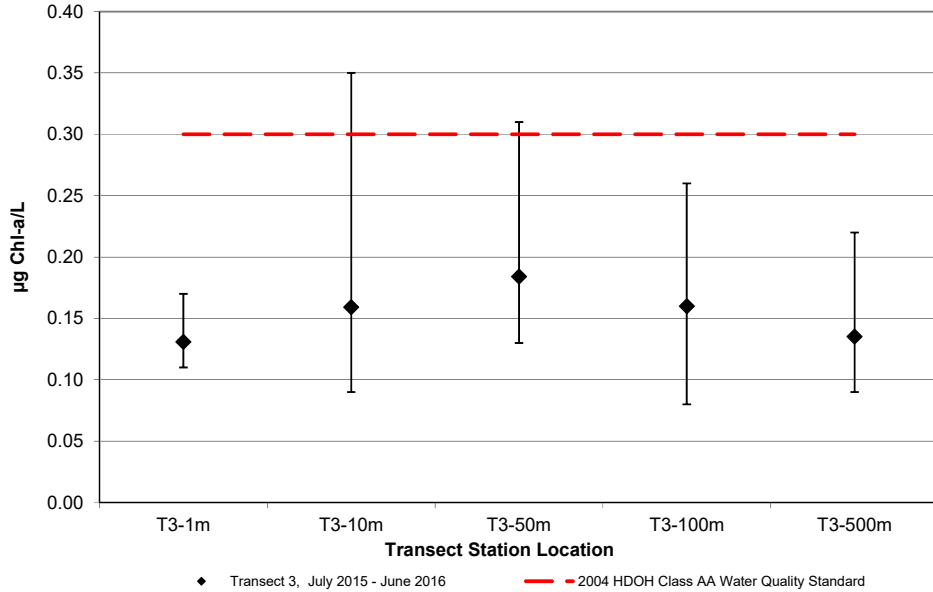
**Transect 3 Station Summary**  
 Total Ammonia Geometric Mean



**Transect 3 Station Summary**  
 Turbidity Geometric Mean



**Transect 3 Station Summary**  
 Chlorophyll-a Geometric Mean





**NELHA Water Quality Laboratory**  
 Transect 3, Station 1  
 July 1993 - June 2015

SITE ID	DATE	TIME	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		TP		TOC	Turbidity	Salinity	Temp.	pH	DO	Chl a	Fecal Coliform	Enterococci
	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
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>					<b>12.5</b>		<b>100</b>									<b>0.30</b>		
O3-1S-8m	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-8m	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-8m	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-8m	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
<b>Geomean '02-'03</b>			<b>3.5</b>		<b>6.1</b>		<b>1.2</b>				<b>11.0</b>		<b>90</b>				<b>0.10</b>						<b>0.15</b>		
O3-1S-8m	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-8m	10/30/03	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-8m	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-8m	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
<b>Geomean '03-'04</b>			<b>3.7</b>		<b>1.2</b>		<b>3.1</b>				<b>11.4</b>		<b>85</b>				<b>0.09</b>						<b>0.06</b>		
O3-1S-8m	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-8m	11/17/04	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-8m	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-8m	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
<b>Geomean '04-'05</b>			<b>2.9</b>		<b>2.9</b>		<b>2.6</b>				<b>9.8</b>		<b>60</b>				<b>0.12</b>						<b>0.13</b>		
O3-1S-8m	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-8m	10/11/05	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-8m	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-8m	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
<b>Geomean '05-'06</b>			<b>3.0</b>		<b>3.4</b>		<b>3.1</b>				<b>10.8</b>		<b>62</b>				<b>0.14</b>						<b>0.12</b>		
O3-1S-8m	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-8m	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-8m	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-8m	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
<b>Geomean '06-'07</b>			<b>3.8</b>		<b>3.7</b>		<b>4.9</b>				<b>11.4</b>		<b>77</b>				<b>0.31</b>						<b>0.08</b>		
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	34.87	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		
<b>Geomean '07-'08</b>			<b>4.2</b>		<b>7.2</b>		<b>2.1</b>				<b>10.1</b>		<b>107</b>					<b>0.15</b>					<b>0.21</b>		
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	11/17/08	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		
<b>Geomean '08-'09</b>			<b>4.4</b>		<b>6.5</b>		<b>2.8</b>				<b>11.1</b>		<b>83</b>					<b>0.09</b>					<b>0.05</b>		
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	11/23/09	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		
<b>Geomean '09-'10</b>			<b>2.5</b>		<b>6.2</b>		<b>2.7</b>				<b>12.4</b>		<b>78</b>					<b>0.07</b>					<b>0.15</b>		
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		
<b>Geomean '10-'11</b>			<b>2.1</b>		<b>5.8</b>		<b>3.6</b>				<b>12.2</b>		<b>64</b>					<b>0.07</b>					<b>0.15</b>		

NELHA Water Quality Laboratory

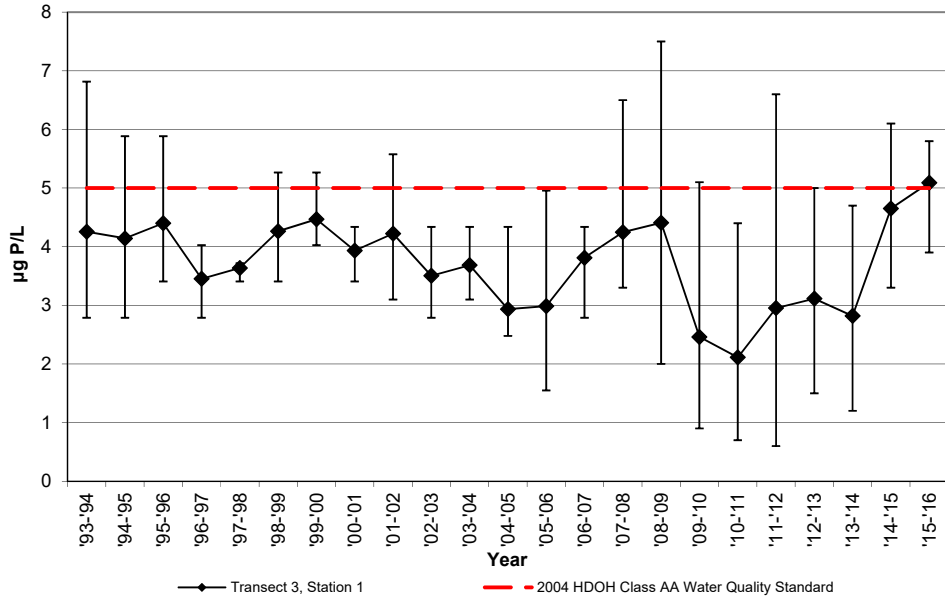
Transect 3, Station 1

July 1993 - June 2015

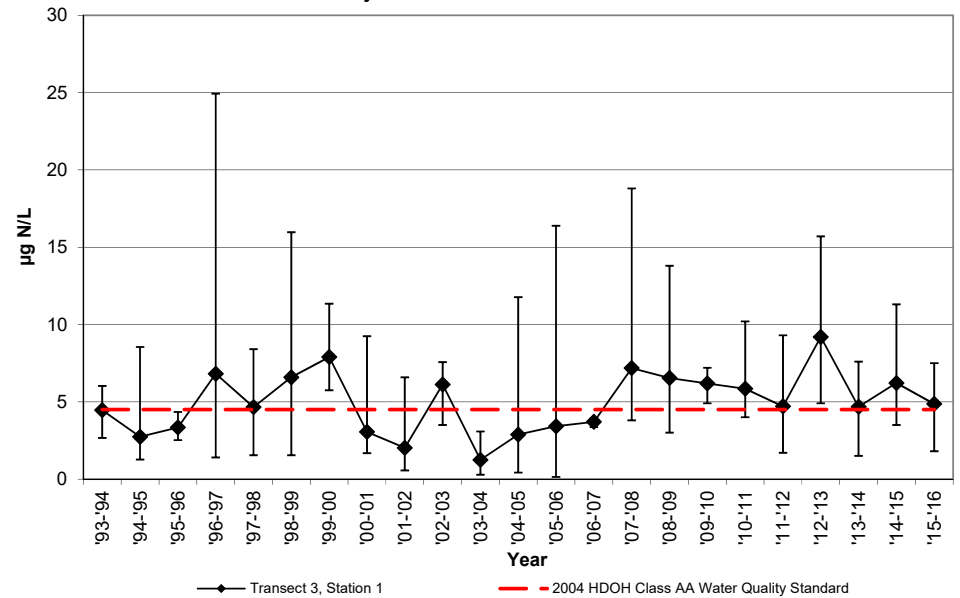
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		TP (µM) (µg P/L)	TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>				<b>0.10</b>					<b>0.30</b>		
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	10/18/11	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	0.00		
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		
<b>Geomean '11-'12</b>			<b>3.0</b>		<b>4.7</b>		<b>3.2</b>				<b>12.5</b>		<b>55</b>				<b>0.09</b>					<b>0.06</b>		
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	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			0.04	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		
<b>Geomean '12-'13</b>			<b>3.1</b>		<b>9.2</b>		<b>4.0</b>				<b>13.3</b>		<b>77</b>				<b>0.05</b>					<b>0.06</b>		
T3-1m	10/29/13	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	10/29/13	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		
<b>Geomean '13-'14</b>			<b>2.8</b>		<b>4.7</b>		<b>3.5</b>				<b>13.3</b>		<b>72</b>				<b>0.06</b>					<b>0.14</b>		
T3-1m	11/17/14	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	11/17/14	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		
<b>Geomean '14-'15</b>			<b>4.6</b>		<b>6.2</b>		<b>4.6</b>				<b>13.6</b>		<b>100</b>				<b>0.08</b>					<b>0.09</b>		
T3-1m	11/17/15	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	11/17/15	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		
<b>Geomean '15-'16</b>			<b>5.1</b>		<b>4.9</b>		<b>4.7</b>				<b>12.4</b>		<b>76</b>				<b>0.06</b>					<b>0.13</b>		

NELHA Water Quality Laboratory  
 Transect 3, Station 1  
 July 1993 - June 2015

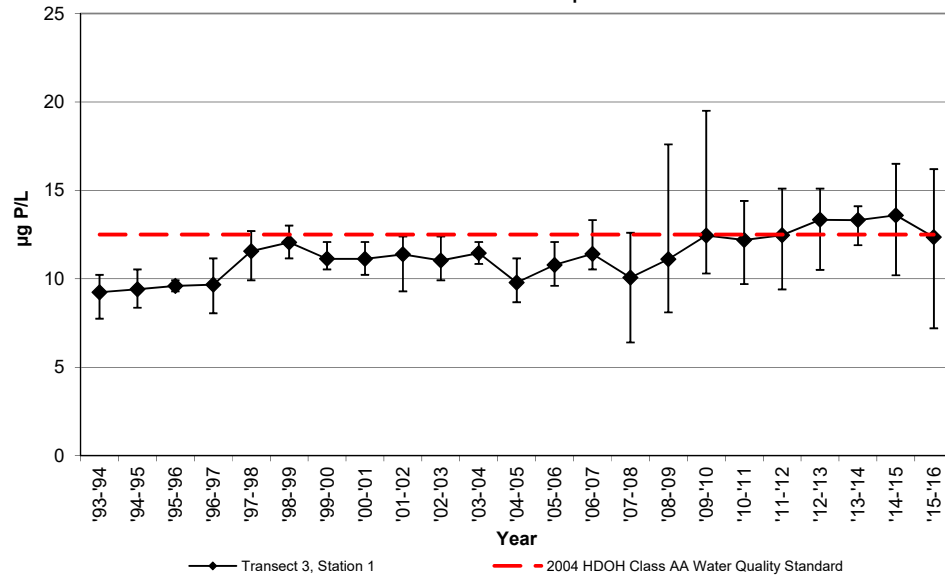
NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of Ortho-Phosphate



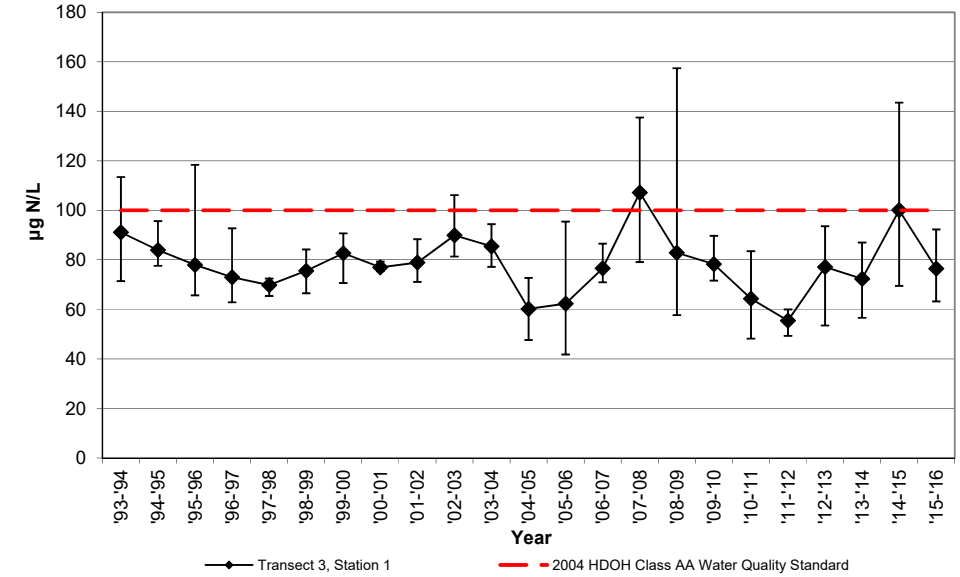
NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous



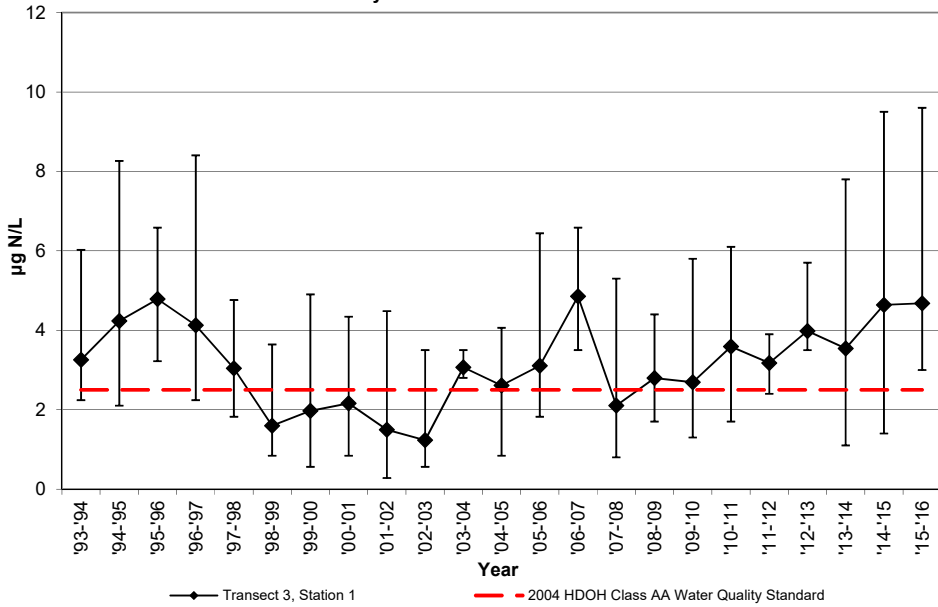
NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen



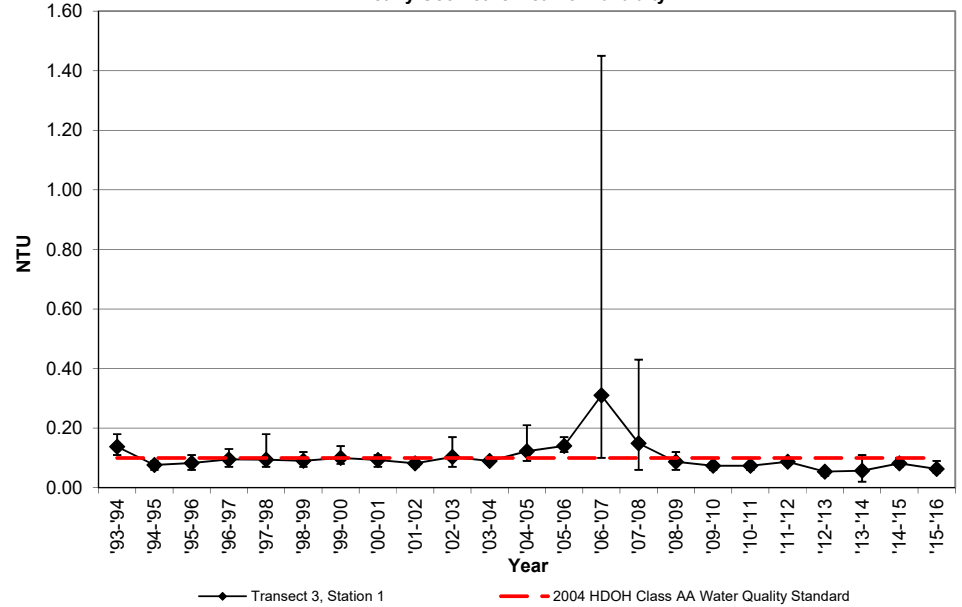


NELHA Water Quality Laboratory  
 Transect 3, Station 1  
 July 1993 - June 2015

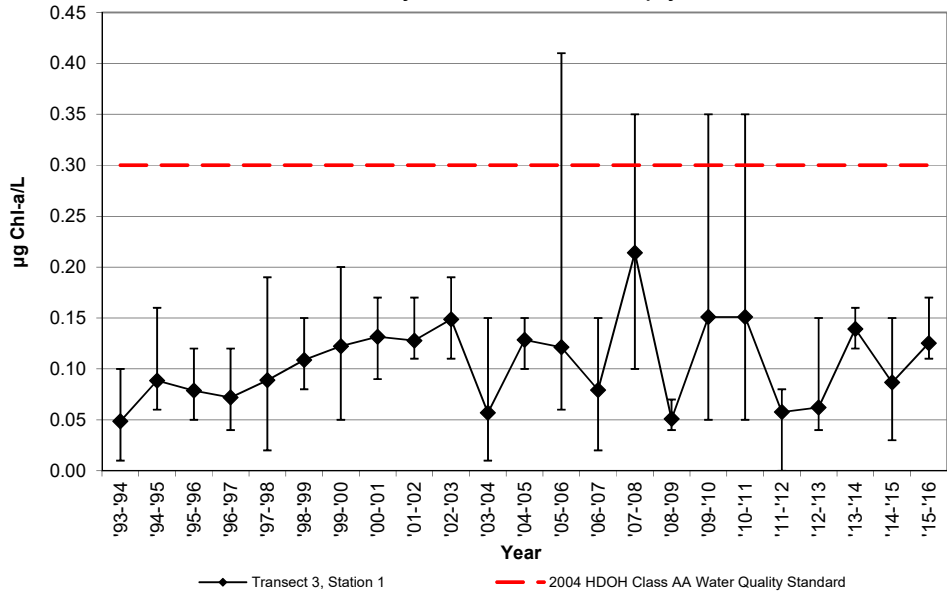
NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 3, Station 1  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 3, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-2S-23m	8/3/93	1047	0.12	3.7	0.29	4.1	0.39	5.5	3.6	101					0.06	34.502	26.8			
O3-2S-23m	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-23m	3/8/94	1020	0.20	6.2	0.40	5.6	0.33	4.6	3.6	100			5.89	82.50	0.09	34.204	25.2			
O3-2S-23m	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			
<b>Geomean '93-'94</b>			<b>4.0</b>		<b>4.1</b>		<b>3.0</b>								<b>0.09</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '94-'95</b>			<b>4.1</b>		<b>2.1</b>		<b>3.5</b>								<b>0.09</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '95-'96</b>			<b>4.0</b>		<b>3.6</b>		<b>5.1</b>								<b>0.08</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '96-'97</b>			<b>3.1</b>		<b>5.8</b>		<b>4.3</b>								<b>0.11</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '97-'98</b>			<b>3.0</b>		<b>1.6</b>		<b>2.8</b>								<b>0.08</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>5.0</b>		<b>1.5</b>								<b>0.09</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '99-'00</b>			<b>4.1</b>		<b>7.3</b>		<b>2.1</b>								<b>0.09</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '00-'01</b>			<b>3.9</b>		<b>2.3</b>		<b>1.4</b>								<b>0.07</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '01-'02</b>			<b>3.8</b>		<b>1.1</b>		<b>1.3</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 3, Station 2

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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '02-'03</b>			<b>3.2</b>		<b>4.4</b>		<b>1.3</b>								<b>0.09</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '03-'04</b>			<b>3.1</b>		<b>0.2</b>		<b>2.8</b>								<b>0.11</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '04-'05</b>			<b>2.4</b>		<b>1.0</b>		<b>2.6</b>								<b>0.08</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '05-'06</b>			<b>3.0</b>		<b>0.9</b>		<b>2.7</b>								<b>0.12</b>					
O3-2S-23m	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-23m	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-23m	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-23m	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			
<b>Geomean '06-'07</b>			<b>3.4</b>		<b>2.7</b>		<b>4.2</b>								<b>0.22</b>					
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
<b>Geomean '07-'08</b>			<b>4.6</b>		<b>8.6</b>		<b>2.1</b>				<b>10.5</b>		<b>87</b>		<b>0.10</b>					<b>0.23</b>
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
<b>Geomean '08-'09</b>			<b>3.6</b>		<b>6.1</b>		<b>3.6</b>				<b>11.5</b>		<b>100</b>		<b>0.09</b>					<b>0.04</b>
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
<b>Geomean '09-'10</b>			<b>4.5</b>		<b>6.9</b>		<b>5.7</b>				<b>12.5</b>		<b>74</b>		<b>0.08</b>					<b>0.14</b>
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
<b>Geomean '10-'11</b>			<b>2.5</b>		<b>6.8</b>		<b>2.7</b>				<b>14.1</b>		<b>49</b>		<b>0.08</b>					<b>0.10</b>

NELHA Water Quality Laboratory

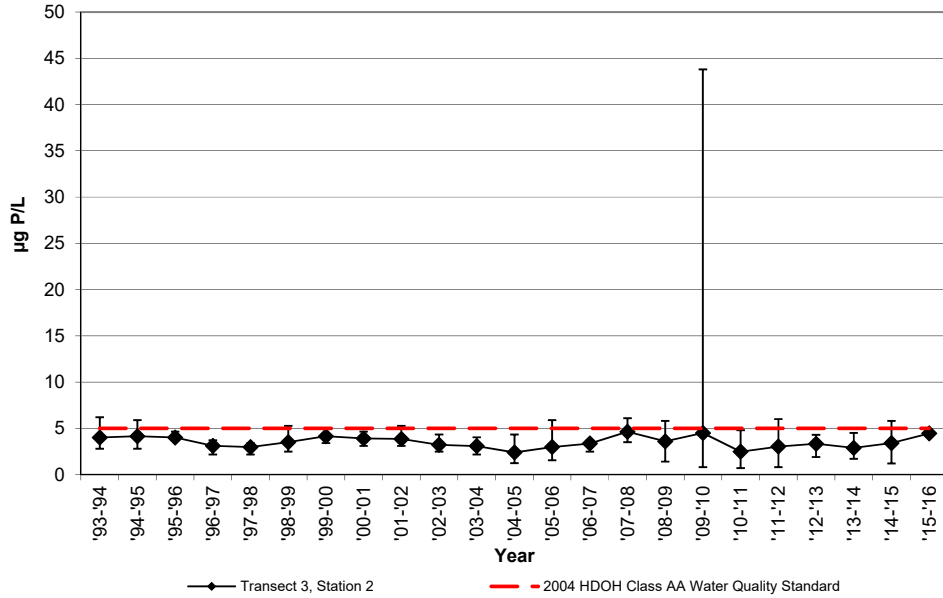
Transect 3, Station 2

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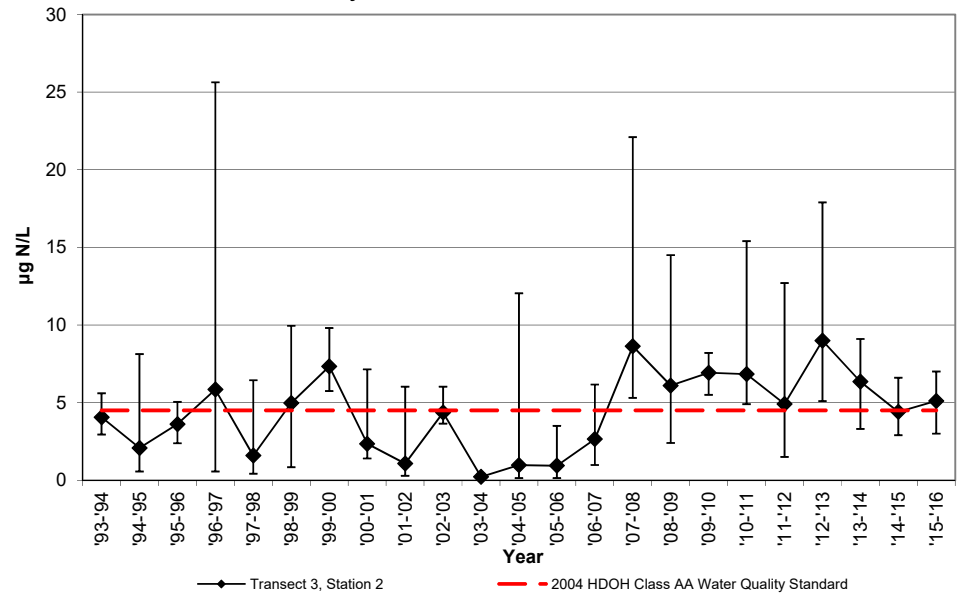
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
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
<b>Geomean</b>	<b>'11-'12</b>		<b>3.0</b>		<b>4.9</b>		<b>2.8</b>				<b>12.0</b>		<b>58</b>		<b>0.08</b>					<b>0.11</b>
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
<b>Geomean</b>	<b>'12-'13</b>		<b>3.3</b>		<b>9.0</b>		<b>3.8</b>				<b>13.1</b>		<b>79</b>		<b>0.04</b>					<b>0.08</b>
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
<b>Geomean</b>	<b>'13-'14</b>		<b>2.9</b>		<b>6.3</b>		<b>4.5</b>				<b>12.9</b>		<b>82</b>		<b>0.03</b>					<b>0.12</b>
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
<b>Geomean</b>	<b>'14-'15</b>		<b>3.4</b>		<b>4.4</b>		<b>5.1</b>				<b>13.2</b>		<b>98</b>		<b>0.07</b>					<b>0.15</b>
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
<b>Geomean</b>	<b>'15-'16</b>		<b>4.4</b>		<b>5.1</b>		<b>2.9</b>				<b>12.1</b>		<b>79</b>		<b>0.05</b>					<b>0.16</b>

NELHA Water Quality Laboratory  
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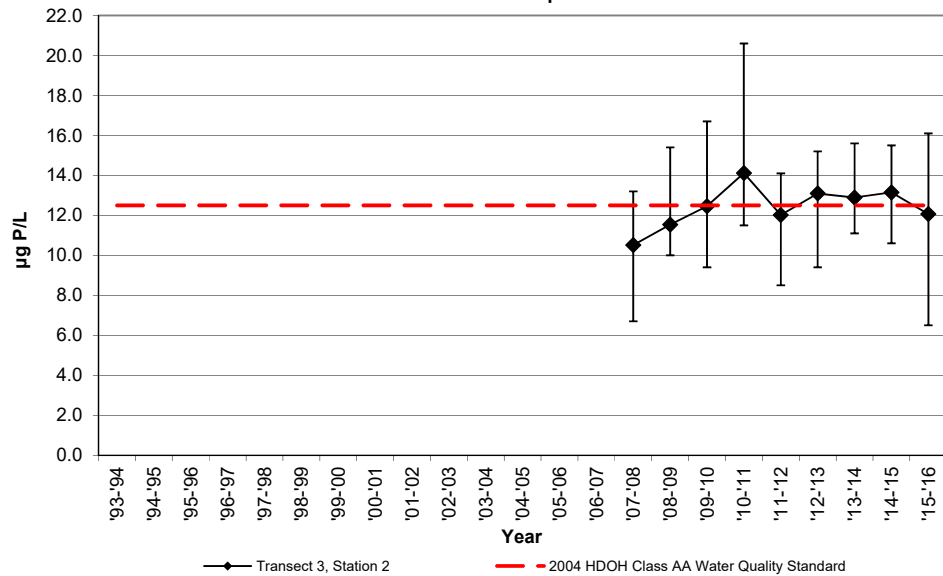
NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of Ortho-Phosphate



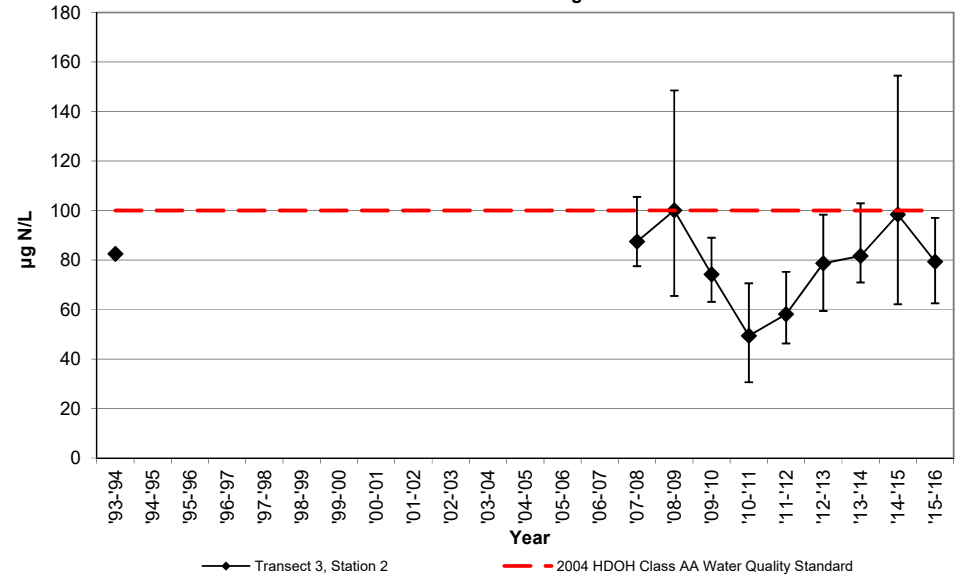
NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

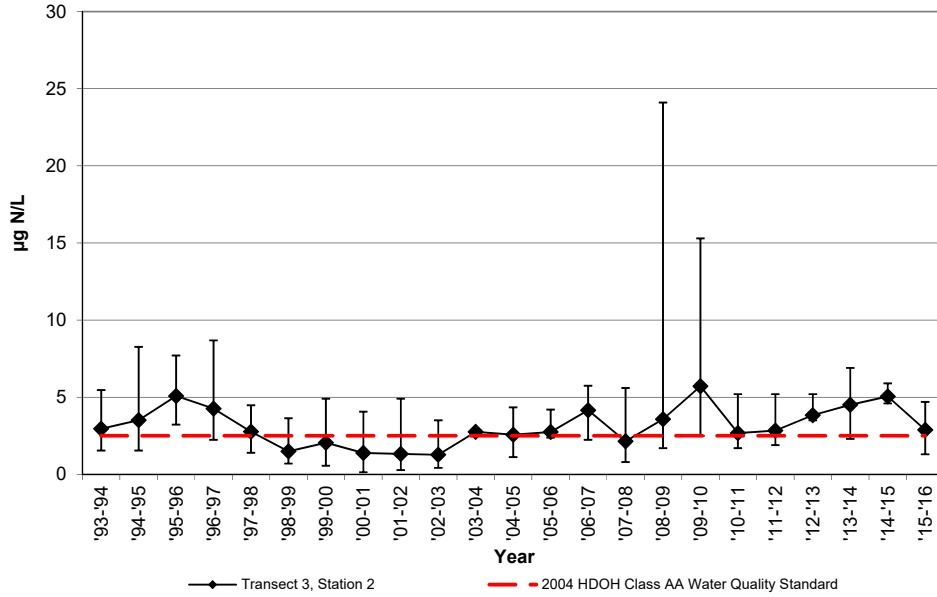


NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

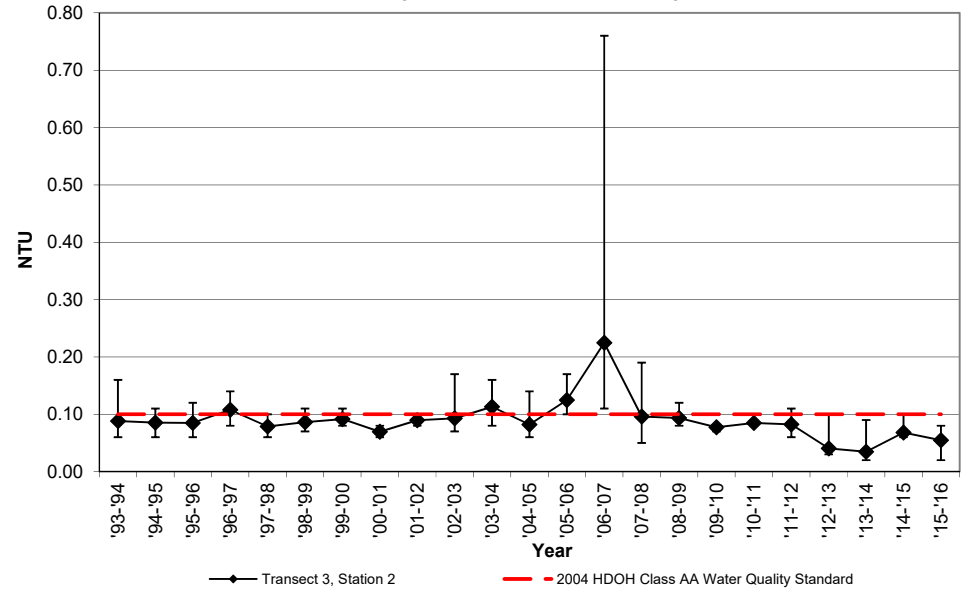


NELHA Water Quality Laboratory  
 Transect 3, Station 2  
 July 1993 - June 2015

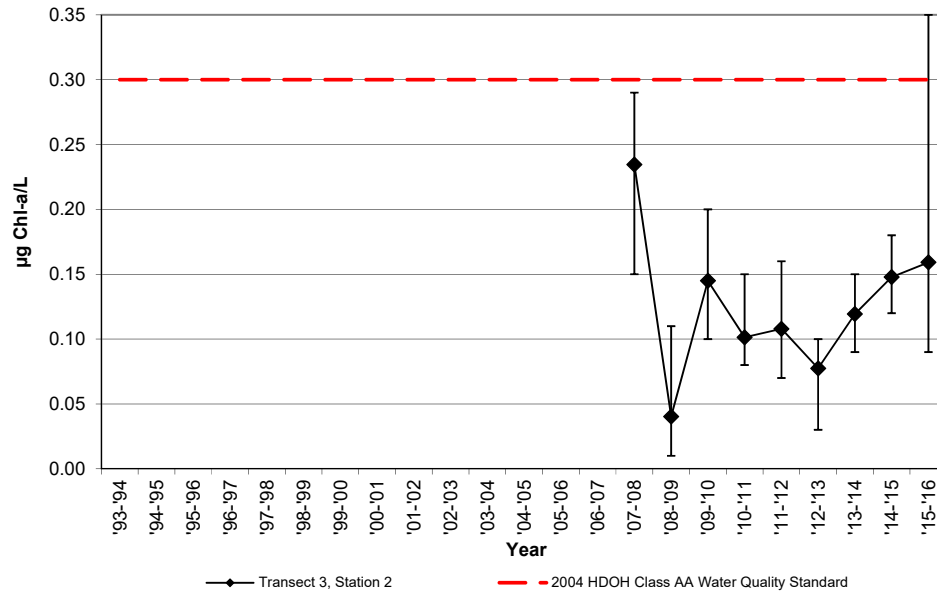
NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 3, Station 2  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 3, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '93-'94</b>			<b>4.0</b>		<b>2.8</b>		<b>2.2</b>								<b>0.09</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '94-'95</b>			<b>3.7</b>		<b>1.9</b>		<b>3.2</b>								<b>0.08</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '95-'96</b>			<b>4.1</b>		<b>2.4</b>		<b>4.6</b>								<b>0.10</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '96-'97</b>			<b>3.1</b>		<b>3.8</b>		<b>4.4</b>								<b>0.09</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '97-'98</b>			<b>2.9</b>		<b>1.0</b>		<b>2.6</b>								<b>0.08</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '98-'99</b>			<b>3.0</b>		<b>2.3</b>		<b>1.3</b>								<b>0.07</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '99-'00</b>			<b>3.8</b>		<b>5.5</b>		<b>1.4</b>								<b>0.08</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '00-'01</b>			<b>4.0</b>		<b>2.8</b>		<b>1.4</b>								<b>0.07</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '01-'02</b>			<b>4.3</b>		<b>2.6</b>		<b>1.0</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 3, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '02-'03</b>			<b>3.1</b>		<b>3.2</b>		<b>1.3</b>								<b>0.09</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '03-'04</b>			<b>2.9</b>		<b>0.2</b>		<b>2.7</b>								<b>0.09</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '04-'05</b>			<b>2.1</b>		<b>0.6</b>		<b>2.3</b>								<b>0.08</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '05-'06</b>			<b>2.8</b>		<b>0.9</b>		<b>2.5</b>								<b>0.12</b>					
O3-3S-38m	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-38m	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-38m	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-38m	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			
<b>Geomean '06-'07</b>			<b>4.1</b>		<b>2.1</b>		<b>4.0</b>								<b>0.18</b>					
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
<b>Geomean '07-'08</b>			<b>3.6</b>		<b>6.0</b>		<b>2.2</b>				<b>11.8</b>		<b>109</b>		<b>0.12</b>					<b>0.17</b>
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
<b>Geomean '08-'09</b>			<b>6.0</b>		<b>3.6</b>		<b>2.2</b>				<b>13.4</b>		<b>75</b>		<b>0.12</b>					<b>0.05</b>
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
<b>Geomean '09-'10</b>			<b>2.5</b>		<b>2.8</b>		<b>2.9</b>				<b>12.6</b>		<b>69</b>		<b>0.06</b>					<b>0.13</b>
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
<b>Geomean '10-'11</b>			<b>2.7</b>		<b>5.2</b>		<b>2.8</b>				<b>11.7</b>		<b>61</b>		<b>0.07</b>					<b>0.08</b>



NELHA Water Quality Laboratory

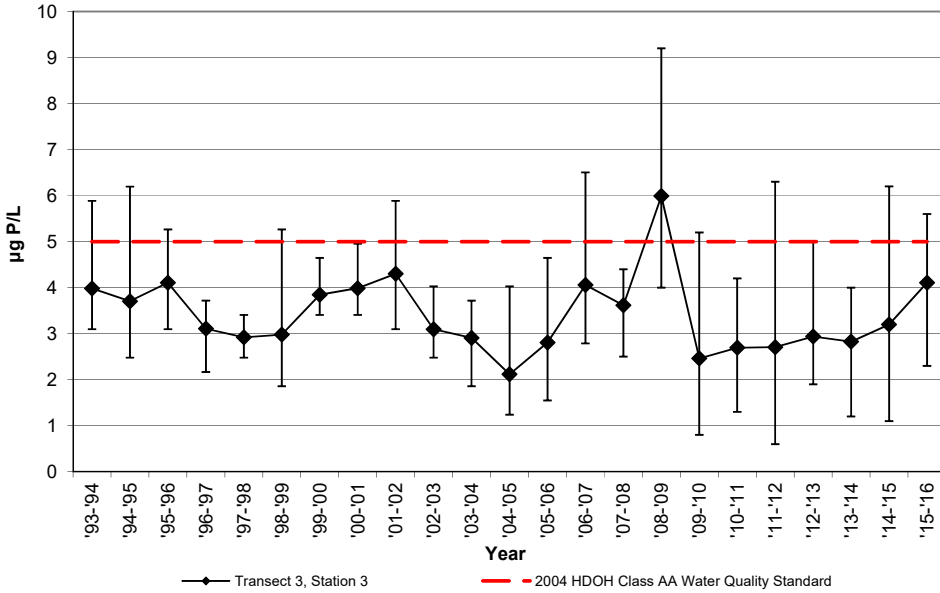
Transect 3, Station 3

July 1993 - June 2015

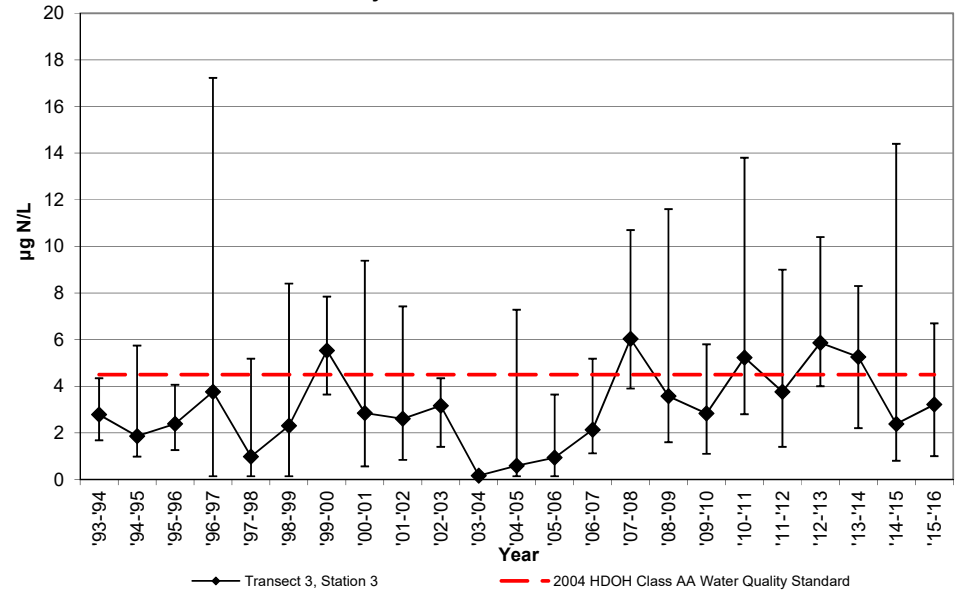
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
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
<b>Geomean</b>	<b>'11-'12</b>		<b>2.7</b>		<b>3.8</b>		<b>3.2</b>				<b>12.0</b>		<b>54</b>		<b>0.06</b>					<b>0.05</b>
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
<b>Geomean</b>	<b>'12-'13</b>		<b>2.9</b>		<b>5.9</b>		<b>3.3</b>				<b>12.3</b>		<b>63</b>		<b>0.05</b>					<b>0.05</b>
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
<b>Geomean</b>	<b>'13-'14</b>		<b>2.8</b>		<b>5.3</b>		<b>3.8</b>				<b>13.1</b>		<b>76</b>		<b>0.04</b>					<b>0.21</b>
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
<b>Geomean</b>	<b>'14-'15</b>		<b>3.2</b>		<b>2.4</b>		<b>4.4</b>				<b>12.0</b>		<b>85</b>		<b>0.08</b>					<b>0.15</b>
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
<b>Geomean</b>	<b>'15-'16</b>		<b>4.1</b>		<b>3.2</b>		<b>3.1</b>				<b>14.2</b>		<b>77</b>		<b>0.05</b>					<b>0.18</b>

NELHA Water Quality Laboratory  
 Transect 3, Station 3  
 July 1993 - June 2015

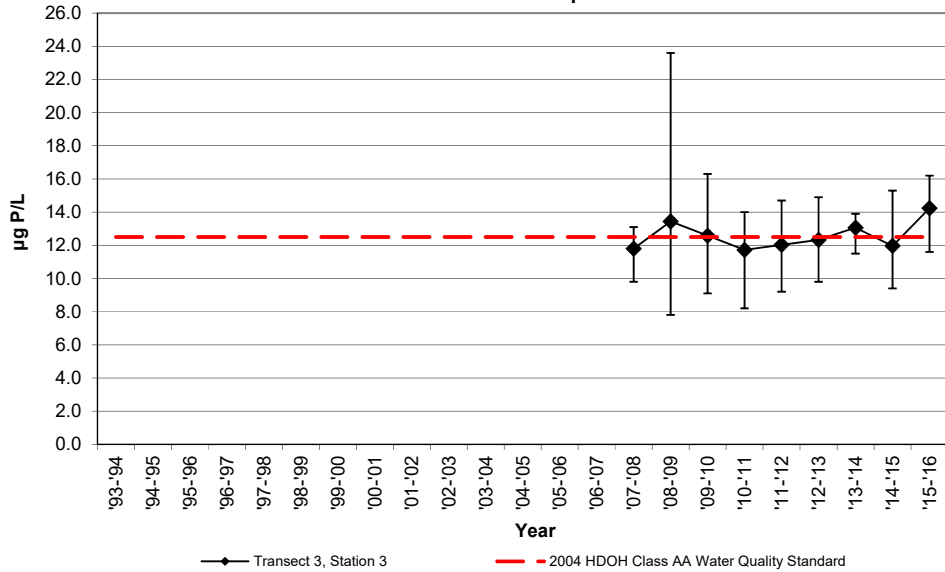
NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of Ortho-Phosphate



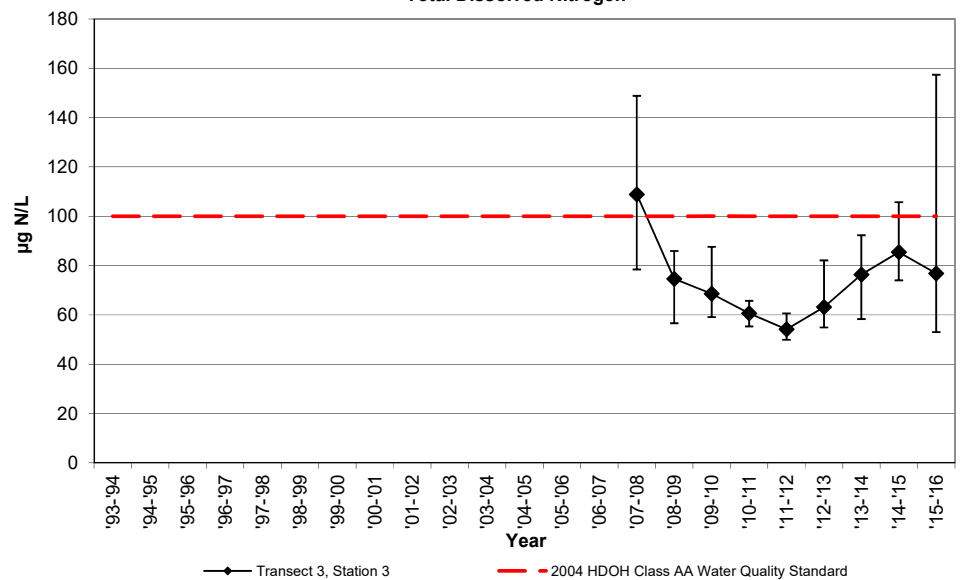
NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

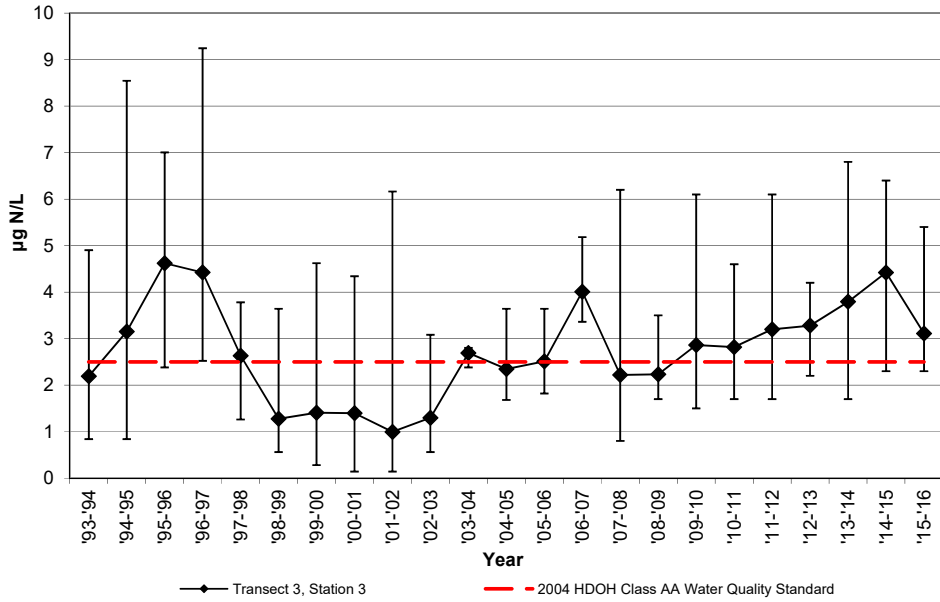


NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

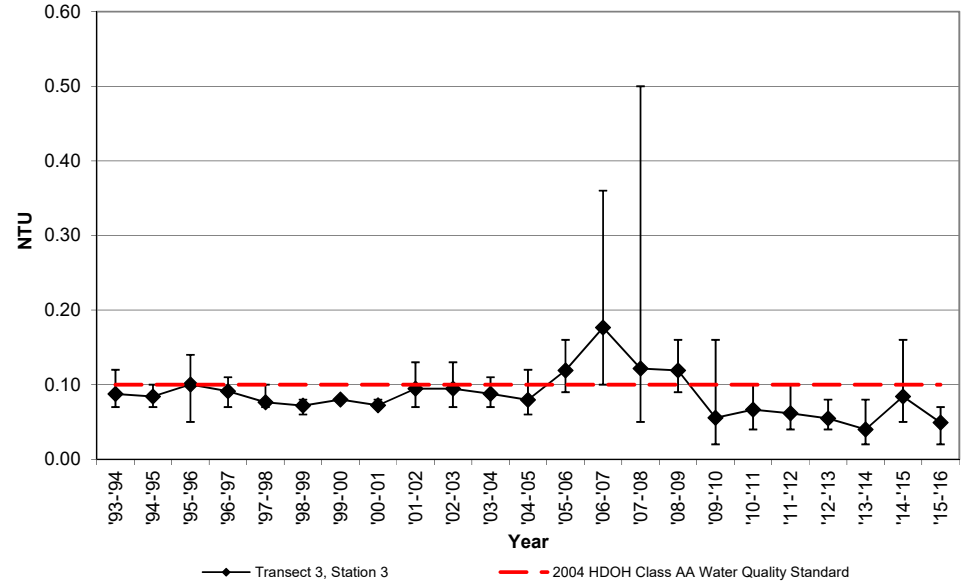


NELHA Water Quality Laboratory  
 Transect 3, Station 3  
 July 1993 - June 2015

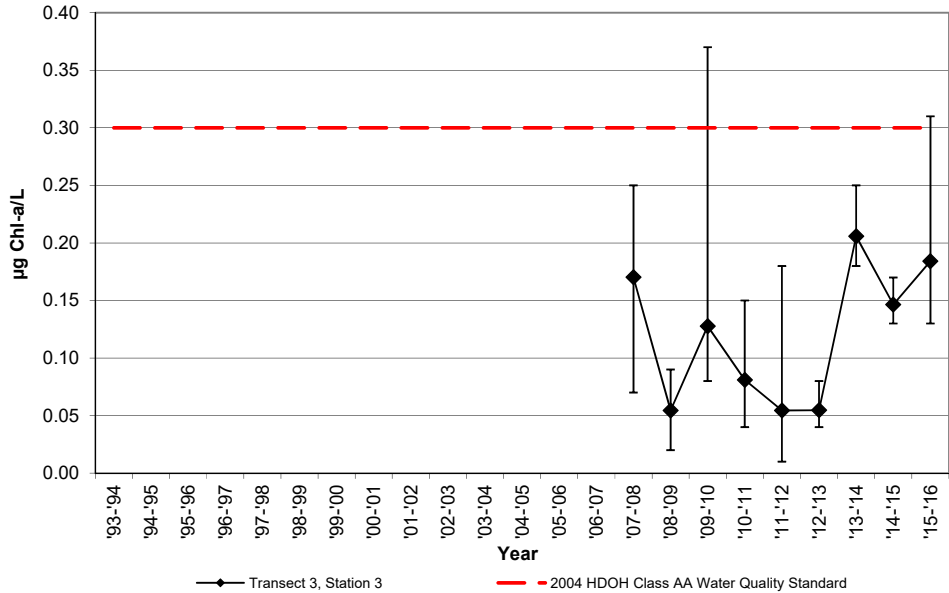
NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 3, Station 3  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 3, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'93-'94</b>		<b>4.0</b>		<b>2.9</b>		<b>2.5</b>								<b>0.08</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'94-'95</b>		<b>3.6</b>		<b>1.2</b>		<b>3.4</b>								<b>0.07</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'95-'96</b>		<b>3.7</b>		<b>2.0</b>		<b>4.0</b>								<b>0.09</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'96-'97</b>		<b>2.9</b>		<b>3.0</b>		<b>3.9</b>								<b>0.09</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'97-'98</b>		<b>2.9</b>		<b>0.9</b>		<b>2.8</b>								<b>0.08</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'98-'99</b>		<b>2.9</b>		<b>1.7</b>		<b>0.8</b>								<b>0.08</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'99-'00</b>		<b>3.6</b>		<b>4.2</b>		<b>1.8</b>								<b>0.09</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'00-'01</b>		<b>3.9</b>		<b>1.6</b>		<b>1.4</b>								<b>0.07</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'01-'02</b>		<b>3.8</b>		<b>0.7</b>		<b>1.3</b>								<b>0.07</b>					

NELHA Water Quality Laboratory

Transect 3, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'02-'03</b>		<b>2.8</b>		<b>1.2</b>		<b>1.2</b>								<b>0.07</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'03-'04</b>		<b>2.8</b>		<b>0.2</b>		<b>2.8</b>								<b>0.10</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.4</b>		<b>0.5</b>		<b>2.5</b>								<b>0.08</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.2</b>		<b>0.6</b>		<b>2.4</b>								<b>0.09</b>					
O3-4S-53m	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-53m	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-53m	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-53m	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			
<b>Geomean</b>	<b>'06-'07</b>		<b>3.4</b>		<b>1.9</b>		<b>4.0</b>								<b>0.33</b>					
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
<b>Geomean</b>	<b>'07-'08</b>		<b>3.2</b>		<b>2.9</b>		<b>2.0</b>				<b>9.7</b>		<b>87</b>		<b>0.08</b>					<b>0.16</b>
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
<b>Geomean</b>	<b>'08-'09</b>		<b>6.6</b>		<b>1.6</b>		<b>2.0</b>				<b>15.6</b>		<b>71</b>		<b>0.09</b>					<b>0.03</b>
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
<b>Geomean</b>	<b>'09-'10</b>		<b>2.5</b>		<b>0.9</b>		<b>1.9</b>				<b>12.5</b>		<b>75</b>		<b>0.08</b>					<b>0.16</b>
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
<b>Geomean</b>	<b>'10-'11</b>		<b>1.5</b>		<b>1.6</b>		<b>1.0</b>				<b>12.5</b>		<b>51</b>		<b>0.07</b>					<b>0.07</b>

NELHA Water Quality Laboratory

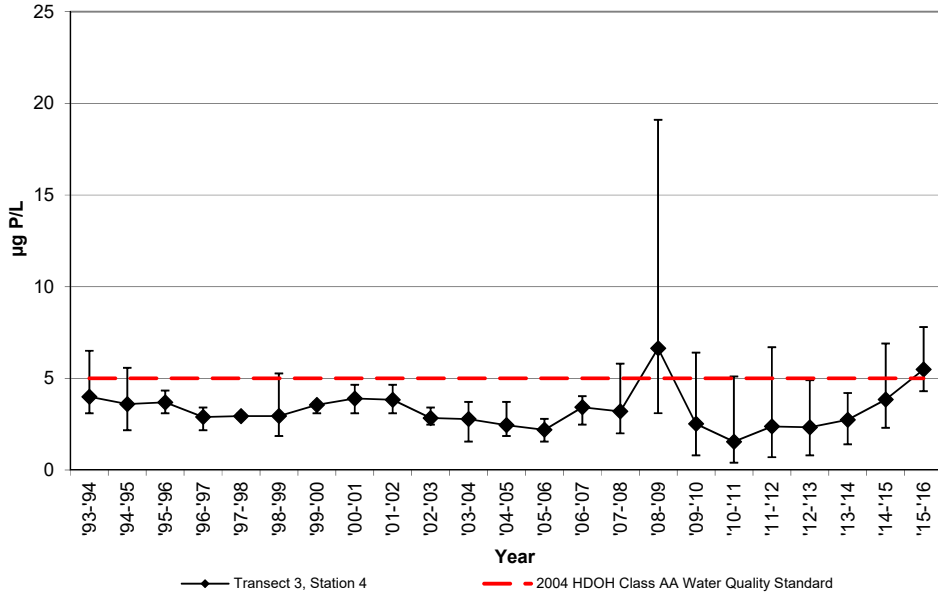
Transect 3, Station 4

July 1993 - June 2015

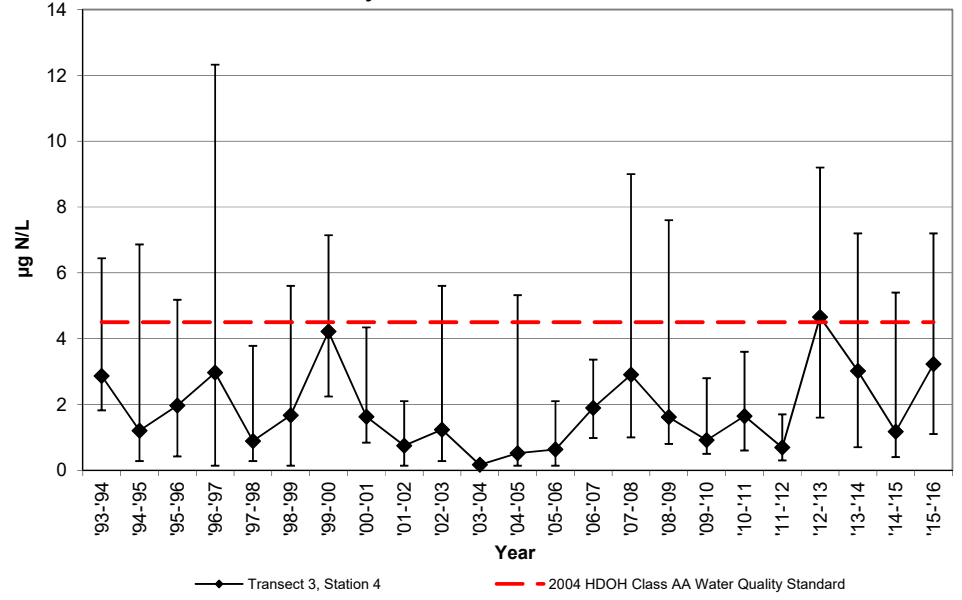
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
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
<b>Geomean</b>	<b>'11-'12</b>		<b>2.4</b>		<b>0.7</b>		<b>1.4</b>				<b>11.9</b>		<b>48</b>		<b>0.08</b>					<b>0.05</b>
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
<b>Geomean</b>	<b>'12-'13</b>		<b>2.3</b>		<b>4.7</b>		<b>3.5</b>				<b>14.2</b>		<b>73</b>		<b>0.04</b>					<b>0.11</b>
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
<b>Geomean</b>	<b>'13-'14</b>		<b>2.7</b>		<b>3.0</b>		<b>4.0</b>				<b>12.6</b>		<b>75</b>		<b>0.04</b>					<b>0.15</b>
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
<b>Geomean</b>	<b>'14-'15</b>		<b>3.8</b>		<b>1.2</b>		<b>4.4</b>				<b>12.8</b>		<b>80</b>		<b>0.08</b>					<b>0.10</b>
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
<b>Geomean</b>	<b>'15-'16</b>		<b>5.5</b>		<b>3.2</b>		<b>1.8</b>				<b>13.6</b>		<b>84</b>		<b>0.06</b>					<b>0.16</b>

NELHA Water Quality Laboratory  
 Transect 3, Station 4  
 July 1993 - June 2015

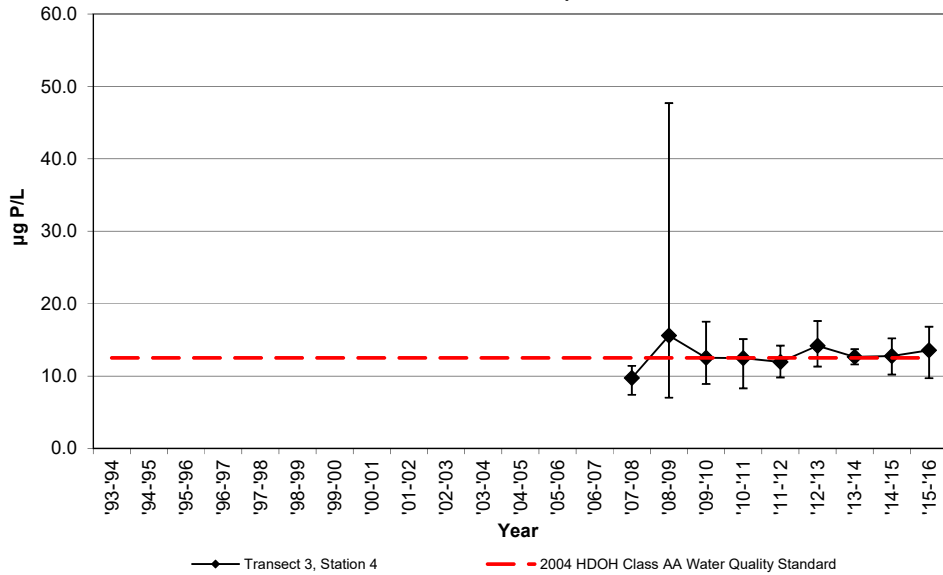
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 Yearly Geometric Mean of Ortho-Phosphate



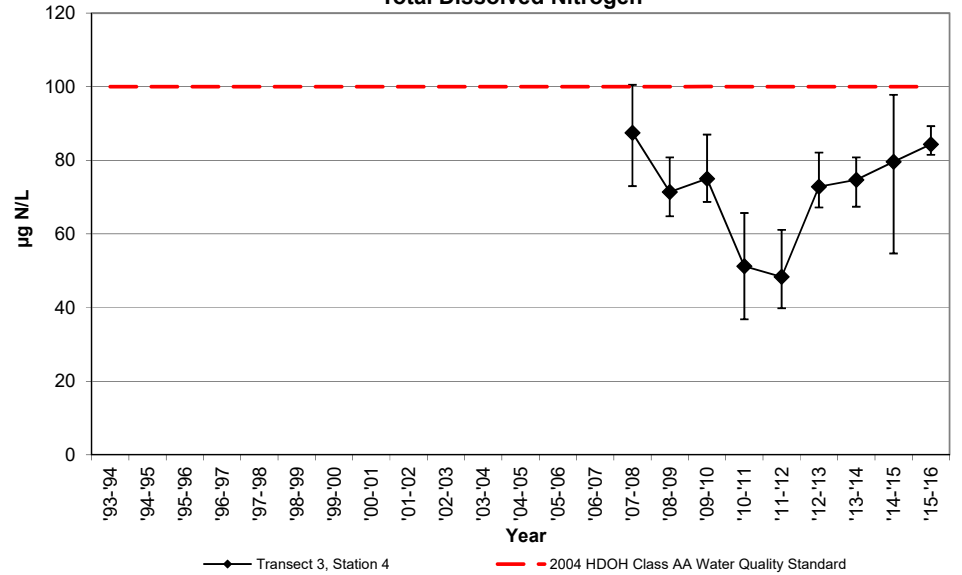
NELHA Offshore Transect 3, Station 4  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 3, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

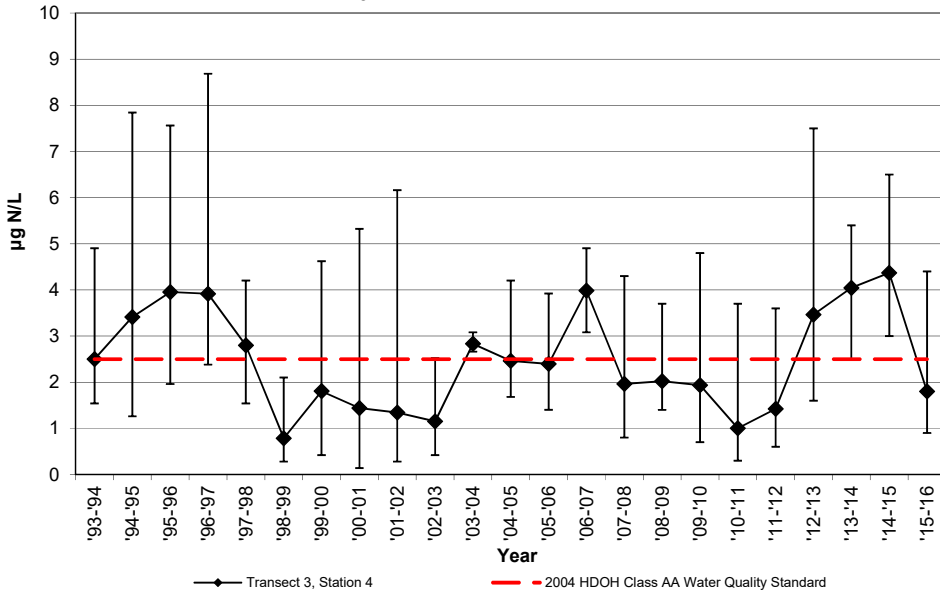


NELHA Offshore Transect 3, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

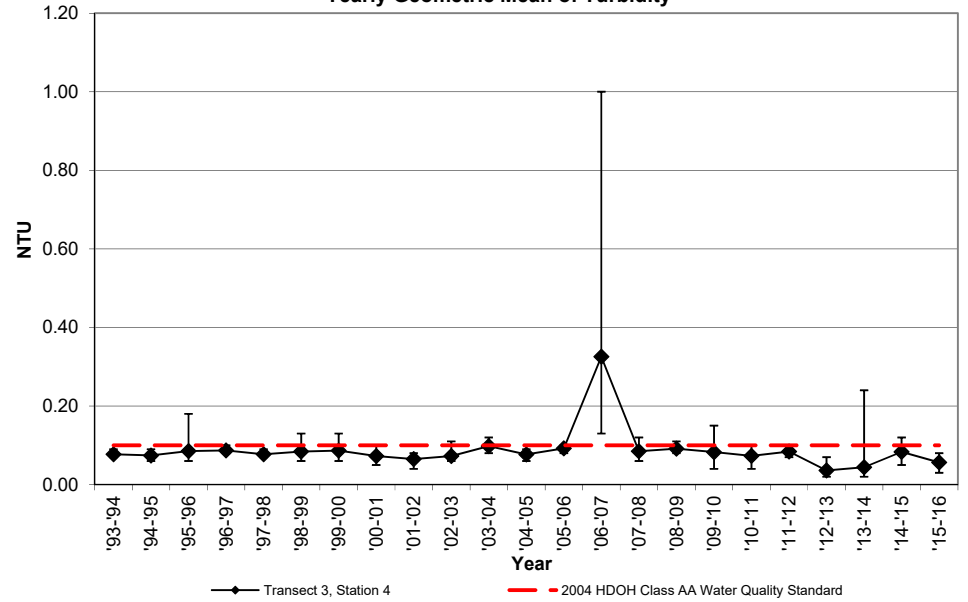


NELHA Water Quality Laboratory  
 Transect 3, Station 4  
 July 1993 - June 2015

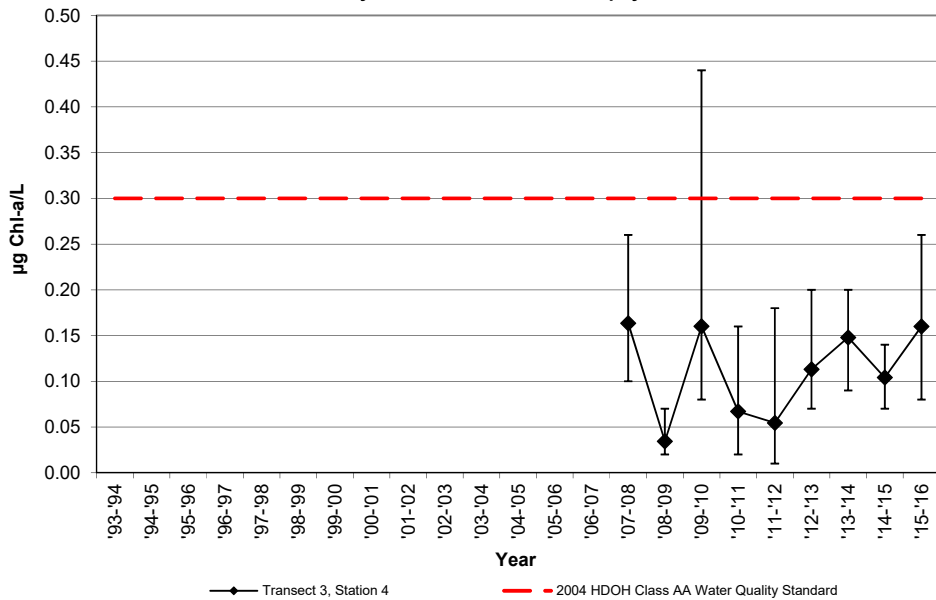
NELHA Offshore Transect 3, Station 4  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 3, Station 4  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 3, Station 4  
 Yearly Geometric Mean of Chlorophyll-a





NELHA Water Quality Laboratory

Transect 3, Station 5

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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '93-'94</b>			<b>4.2</b>		<b>2.3</b>		<b>2.1</b>								<b>0.09</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '94-'95</b>			<b>3.5</b>		<b>0.9</b>		<b>2.4</b>								<b>0.08</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '95-'96</b>			<b>3.5</b>		<b>1.6</b>		<b>3.8</b>								<b>0.08</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '96-'97</b>			<b>2.5</b>		<b>1.9</b>		<b>3.1</b>								<b>0.08</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '97-'98</b>			<b>2.8</b>		<b>0.9</b>		<b>2.8</b>								<b>0.09</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '98-'99</b>			<b>2.8</b>		<b>1.3</b>		<b>1.2</b>								<b>0.07</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '99-'00</b>			<b>3.5</b>		<b>2.6</b>		<b>2.2</b>								<b>0.08</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '00-'01</b>			<b>3.7</b>		<b>1.3</b>		<b>1.8</b>								<b>0.07</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '01-'02</b>			<b>3.5</b>		<b>0.9</b>		<b>0.8</b>								<b>0.10</b>					

NELHA Water Quality Laboratory

Transect 3, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '02-'03</b>			<b>2.7</b>		<b>1.5</b>		<b>1.1</b>								<b>0.07</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '03-'04</b>			<b>2.9</b>		<b>0.4</b>		<b>2.9</b>								<b>0.12</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '04-'05</b>			<b>2.1</b>		<b>1.3</b>		<b>2.5</b>								<b>0.09</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '05-'06</b>			<b>2.0</b>		<b>0.8</b>		<b>2.1</b>								<b>0.12</b>					
O3-5S-69m	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-69m	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-69m	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-69m	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			
<b>Geomean '06-'07</b>			<b>3.5</b>		<b>1.4</b>		<b>4.5</b>								<b>0.51</b>					
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
<b>Geomean '07-'08</b>			<b>3.0</b>		<b>1.1</b>		<b>1.4</b>				<b>10.2</b>		<b>74</b>		<b>0.08</b>					<b>0.16</b>
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
<b>Geomean '08-'09</b>			<b>3.6</b>		<b>0.3</b>		<b>2.0</b>				<b>11.2</b>		<b>76</b>		<b>0.11</b>					<b>0.03</b>
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
<b>Geomean '09-'10</b>			<b>2.0</b>		<b>0.3</b>		<b>1.0</b>				<b>12.3</b>		<b>76</b>		<b>0.08</b>					<b>0.13</b>
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	11/23/09	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	2/23/10	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	5/25/10	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
<b>Geomean '10-'11</b>			<b>1.2</b>		<b>0.3</b>		<b>0.5</b>				<b>11.7</b>		<b>54</b>		<b>0.06</b>					<b>0.10</b>

NELHA Water Quality Laboratory

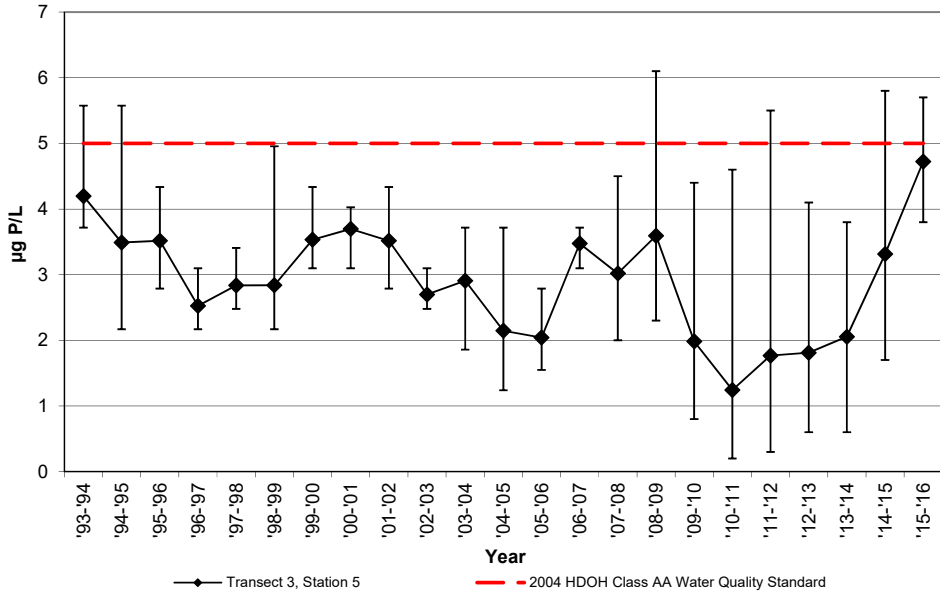
Transect 3, Station 5

July 1993 - June 2015

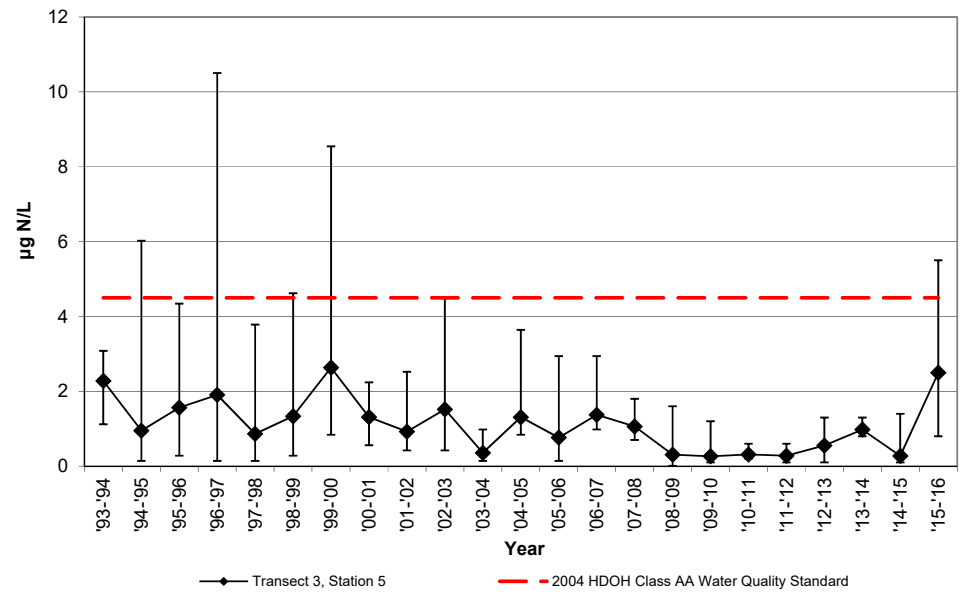
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
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
<b>Geomean</b>	<b>'11-'12</b>		<b>1.8</b>		<b>0.3</b>		<b>0.8</b>				<b>12.3</b>		<b>57</b>		<b>0.07</b>					<b>0.07</b>
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
<b>Geomean</b>	<b>'12-'13</b>		<b>1.8</b>		<b>0.6</b>		<b>2.5</b>				<b>12.5</b>		<b>67</b>		<b>0.05</b>					<b>0.18</b>
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
<b>Geomean</b>	<b>'13-'14</b>		<b>2.1</b>		<b>1.0</b>		<b>2.8</b>				<b>12.7</b>		<b>71</b>		<b>0.04</b>					<b>0.12</b>
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
<b>Geomean</b>	<b>'14-'15</b>		<b>3.3</b>		<b>0.3</b>		<b>4.7</b>				<b>9.4</b>		<b>90</b>		<b>0.07</b>					<b>0.10</b>
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
<b>Geomean</b>	<b>'15-'16</b>		<b>4.7</b>		<b>2.5</b>		<b>3.1</b>				<b>12.2</b>		<b>78</b>		<b>0.05</b>					<b>0.14</b>

NELHA Water Quality Laboratory  
 Transect 3, Station 5  
 July 1993 - June 2015

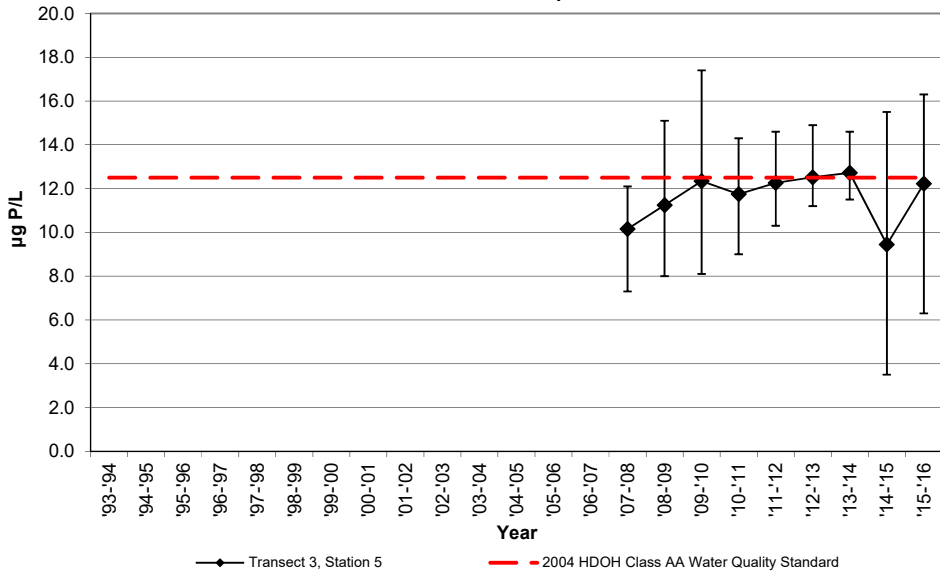
NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of Ortho-Phosphate



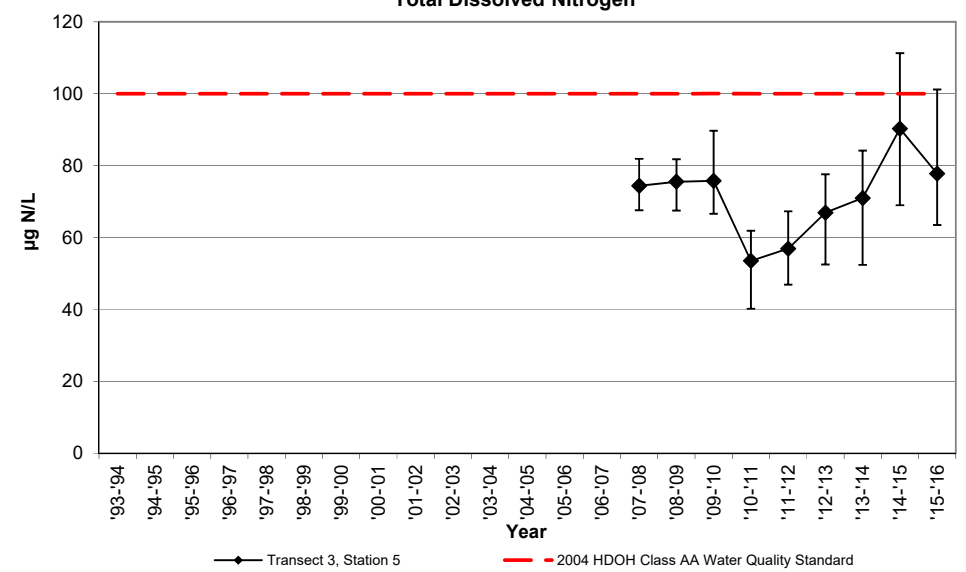
NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

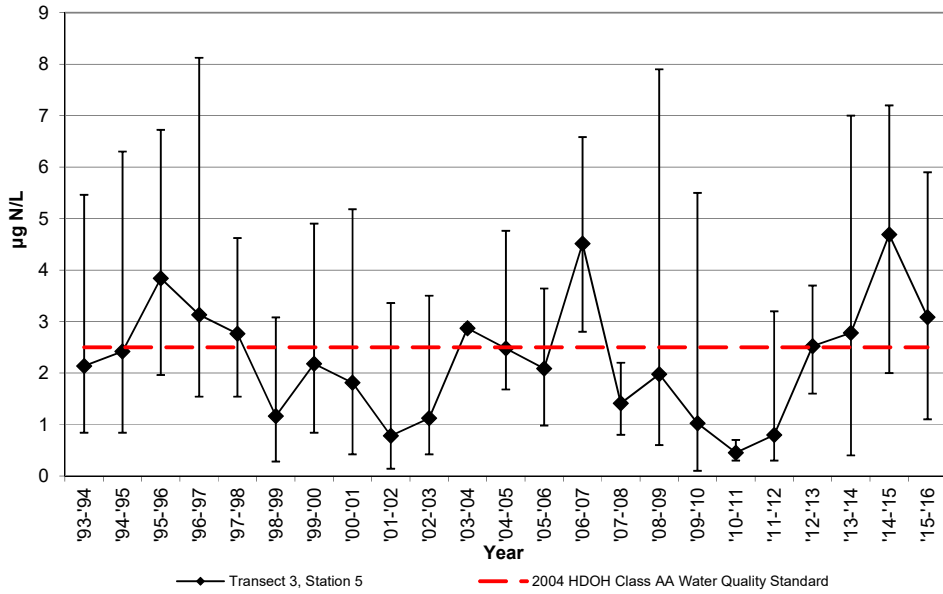


NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

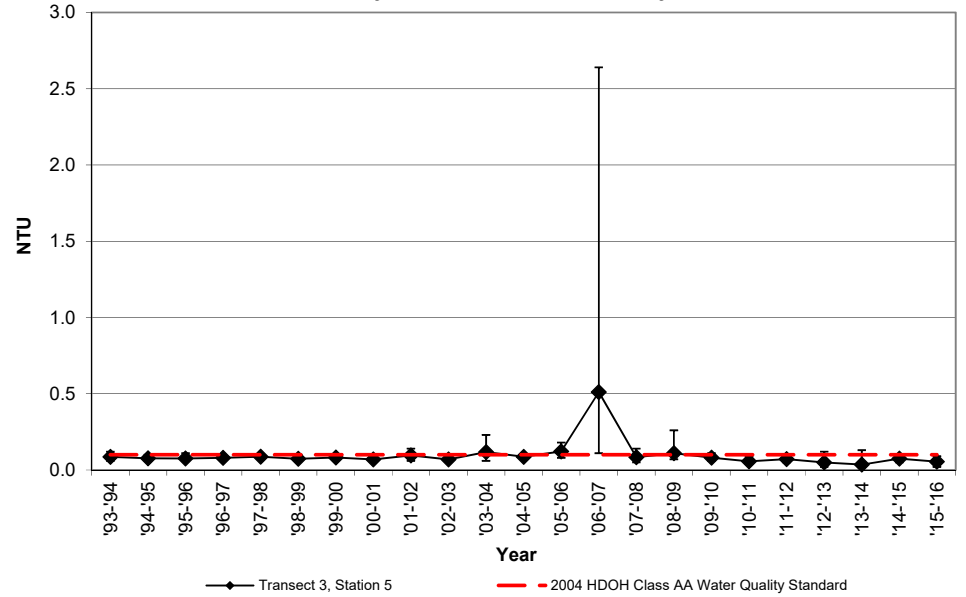


NELHA Water Quality Laboratory  
 Transect 3, Station 5  
 July 1993 - June 2015

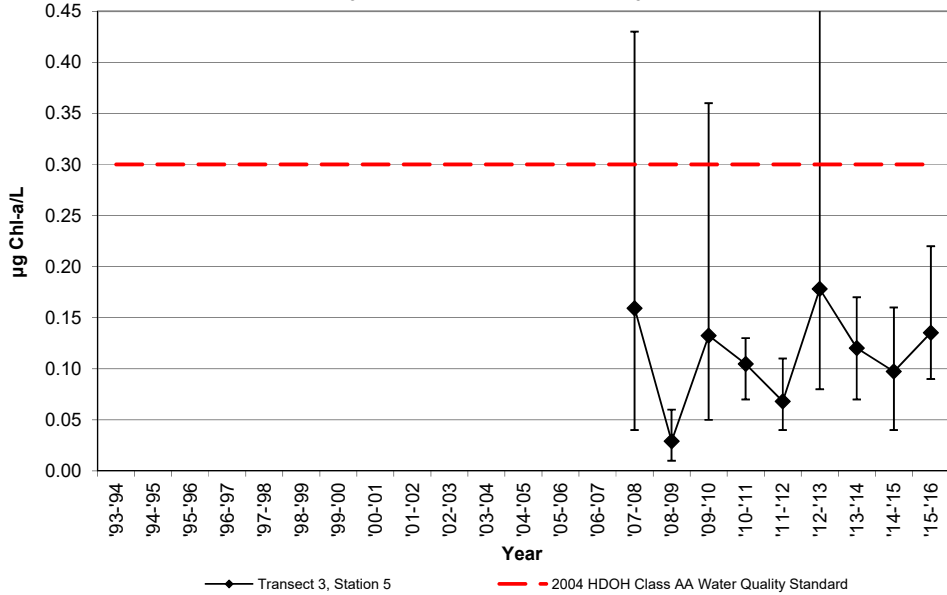
NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 3, Station 5  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 4

July 2015 - June 2016

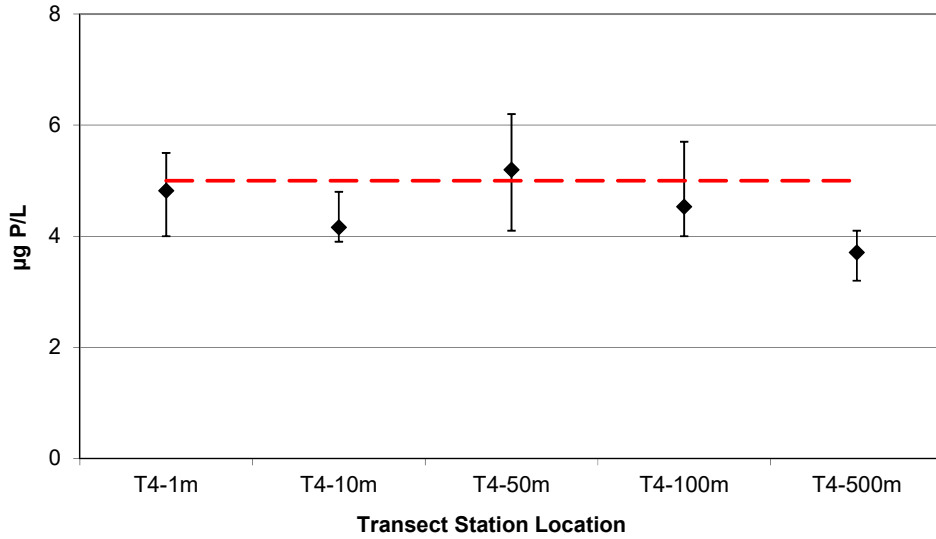
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)	NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)	NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)	Si (µM) (µg Si/L)	TDP (µM) (µg P/L)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)						
<b>DOH LIMIT</b>				0.16	<b>5</b>	0.32	<b>4.5</b>	0.18	<b>2.5</b>	0.40	<b>12.5</b>	7.1	<b>100</b>	<b>0.10</b>		<b>0.30</b>					
T4-1m	8/29/15	933	-0.2 Low	0.16	4.9	0.24	3.4	0.31	4.3	7.1	200	0.27	8.5	5.4	75	0.06	34.49	28.5	8.20	6.25	0.20
T4-1m	11/18/15	944	1.9 High	0.16	5.0	0.53	7.4	0.14	2.0	3.0	84	0.54	16.7	7.2	100	0.08	34.63	27.3	8.27	6.90	0.17
T4-1m	3/2/16	836	0.8 Flood	0.18	5.5	0.43	6.0	0.27	3.8	0.0	0	0.56	17.2	5.7	79	0.09	34.69	25.2	8.24	5.89	0.16
T4-1m	5/4/16	919	-0.2 Flood	0.13	4.0	0.21	2.9	0.18	2.5	1.0	28	0.37	11.4	6.7	94	0.10	34.65	25.8	8.19	6.22	0.16
<b>Geomean</b>	<b>'15-'16</b>			0.16	<b>4.8</b>	0.33	<b>4.6</b>	0.2	<b>3.0</b>			0.4	<b>12.9</b>	6.2	<b>87</b>	<b>0.08</b>					<b>0.17</b>
T4-10m	8/29/15	936	-0.2 Low	0.13	3.9	0.26	3.7	0.31	4.4	7.3	205	0.13	4.1	5.4	76	0.04	34.63	28.5	8.20	5.97	0.24
T4-10m	11/18/15	950	1.9 High	0.13	4.0	0.64	8.9	0.34	4.7	4.2	119	0.49	15.3	6.5	91	0.07	34.63	27.3	8.26	6.75	0.15
T4-10m	3/2/16	841	0.8 Flood	0.15	4.8	0.31	4.3	0.17	2.4	0.1	2	0.49	15.2	4.8	67	0.07	34.70	25.2	8.23	5.87	0.11
T4-10m	5/4/16	925	-0.2 Flood	0.13	4.0	0.11	1.5	0.10	1.4	0.6	17	0.45	13.9	4.9	69	0.10	34.68	25.8	8.19	6.08	0.12
<b>Geomean</b>	<b>'15-'16</b>			0.13	<b>4.2</b>	0.27	<b>3.8</b>	0.21	<b>2.9</b>			0.35	<b>10.7</b>	5.3	<b>75</b>	<b>0.07</b>					<b>0.15</b>
T4-50m	8/29/15	940	-0.2 Low	0.20	6.2	0.26	3.6	0.27	3.8	4.3	121	0.35	10.9	6.9	96	0.04	34.64	28.5	8.24	6.01	0.11
T4-50m	11/18/15	957	1.9 High	0.13	4.1	0.50	7.0	0.29	4.0	4.6	130	0.48	14.9	4.6	64	0.02	34.63	27.4	8.27	6.57	0.09
T4-50m	3/2/16	847	0.8 Flood	0.15	4.7	0.32	4.5	0.42	5.9	0.4	11	0.47	14.5	4.2	59	0.08	34.71	25.2	8.23	5.82	0.08
T4-50m	5/4/16	932	-0.2 Flood	0.20	6.1	0.19	2.6	0.21	3.0	0.8	22	0.42	13.1	6.3	89	0.06	34.68	25.8	8.18	6.19	0.15
<b>Geomean</b>	<b>'15-'16</b>			0.17	<b>5.2</b>	0.30	<b>4.1</b>	0.29	<b>4.0</b>			0.43	<b>13.3</b>	5.4	<b>75</b>	<b>0.04</b>					<b>0.10</b>
T4-100m	8/29/15	945	-0.2 Low	0.13	4.0	0.28	3.9	0.21	2.9	5.1	142	0.40	12.4	3.8	53	0.02	34.63	28.5	8.24	5.94	0.17
T4-100m	11/18/15	1004	1.9 High	0.14	4.4	0.61	8.5	0.11	1.6	8.7	245	0.49	15.3	4.1	58	0.07	34.65	27.4	8.27	6.69	0.12
T4-100m	3/2/16	851	0.8 Flood	0.14	4.2	0.26	3.6	0.31	4.3	0.8	23	0.46	14.1	3.1	44	0.09	34.69	25.2	8.23	5.87	0.12
T4-100m	5/4/16	938	-0.2 Flood	0.18	5.7	0.12	1.7	0.14	1.9	1.3	37	0.42	12.9	8.0	112	0.08	34.69	25.9	8.19	6.17	0.15
<b>Geomean</b>	<b>'15-'16</b>			0.15	<b>4.5</b>	0.27	<b>3.8</b>	0.18	<b>2.5</b>			0.44	<b>13.6</b>	4.4	<b>62</b>	<b>0.06</b>					<b>0.14</b>
T4-500m	8/29/15	951	-0.2 Low	0.12	3.7	0.03	0.4	0.18	2.5	1.1	31	0.39	12.2	4.80	67	0.03	34.65	28.6	8.24	5.91	0.14
T4-500m	11/18/15	1050	1.9 High	0.10	3.2	0.44	6.1	0.26	3.7	3.3	93	0.48	15.0	4.32	61	0.04	34.55	27.2	8.22	6.68	0.06
T4-500m	3/2/16	859	0.8 Flood	0.13	3.9	0.23	3.2	0.38	5.3	0.9	26	0.45	13.9	4.11	58	0.06	34.76	25.3	8.24	5.74	0.10
T4-500m	5/4/16	950	-0.2 Flood	0.13	4.1	0.01	0.2	0.23	3.2	0.2	4	0.41	12.6	6.43	90	0.08	34.67	26.0	8.19	6.40	0.13
<b>Geomean</b>	<b>'15-'16</b>			0.12	<b>3.7</b>	0.08	<b>1.1</b>	0.25	<b>3.5</b>			0.43	<b>13.4</b>	4.8	<b>68</b>	<b>0.05</b>					<b>0.10</b>

NELHA Water Quality Laboratory

Transect 4

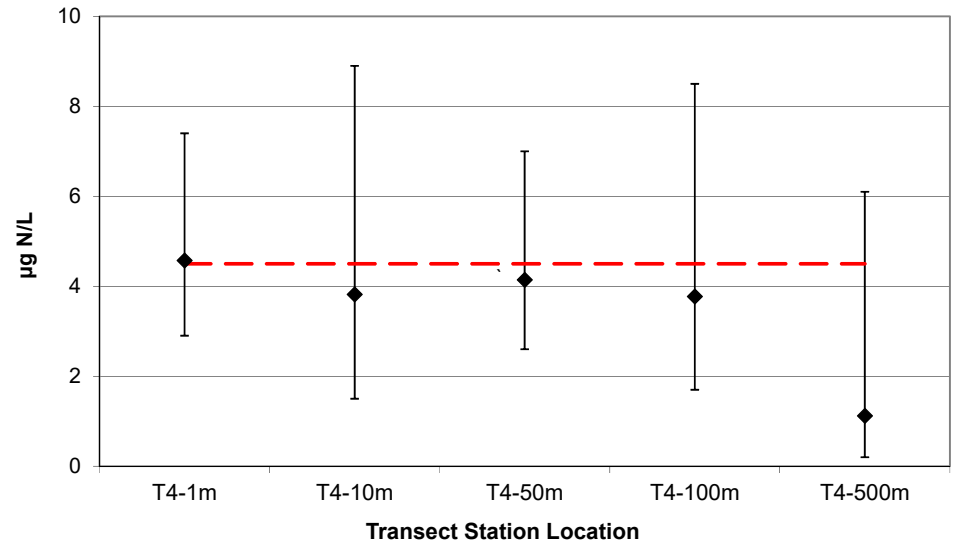
July 2015 - June 2016

Transect 4 Station Summary  
Ortho-Phosphate Geometric Mean



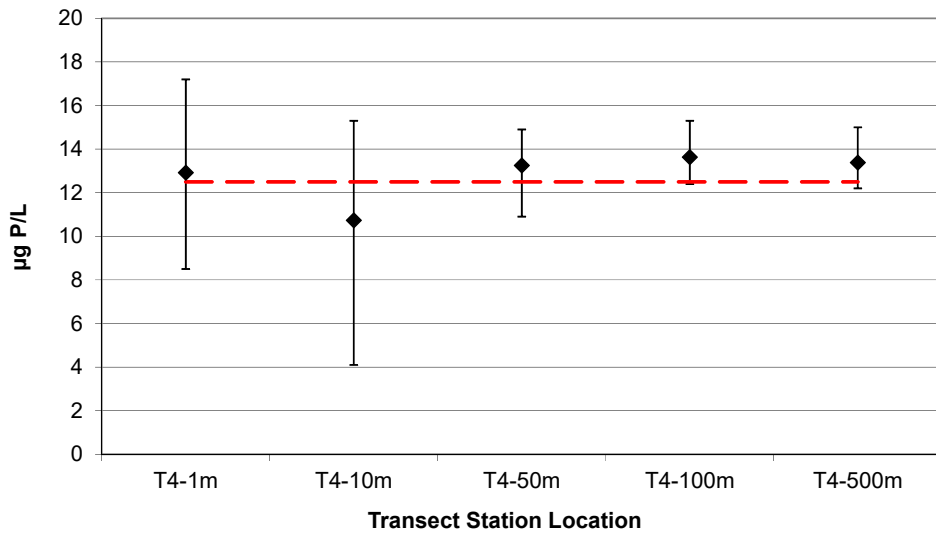
◆ Transect 4, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 4 Station Summary  
Nitrate + Nitrite Geometric Mean



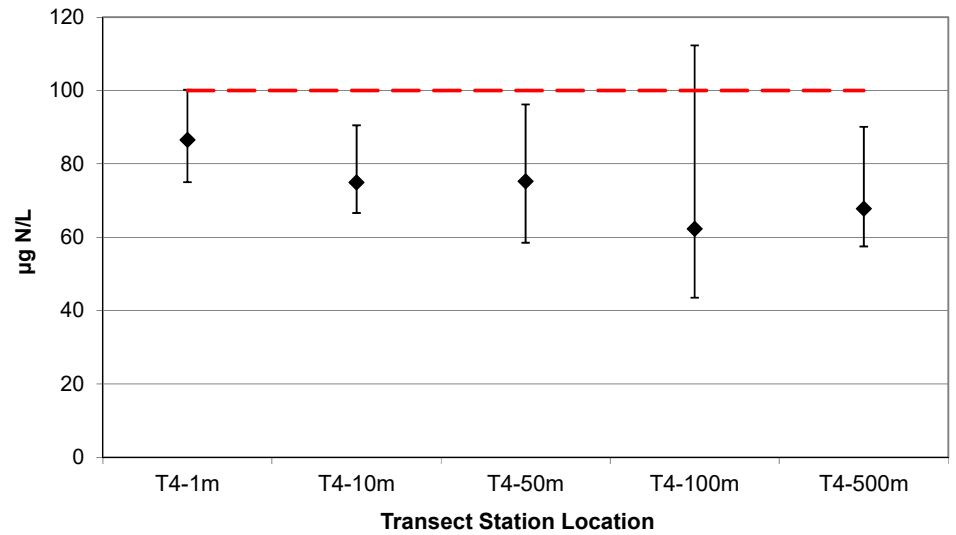
◆ Transect 4, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 4 Station Summary  
Total Dissolved Phosphorous Geometric Mean



◆ Transect 4, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

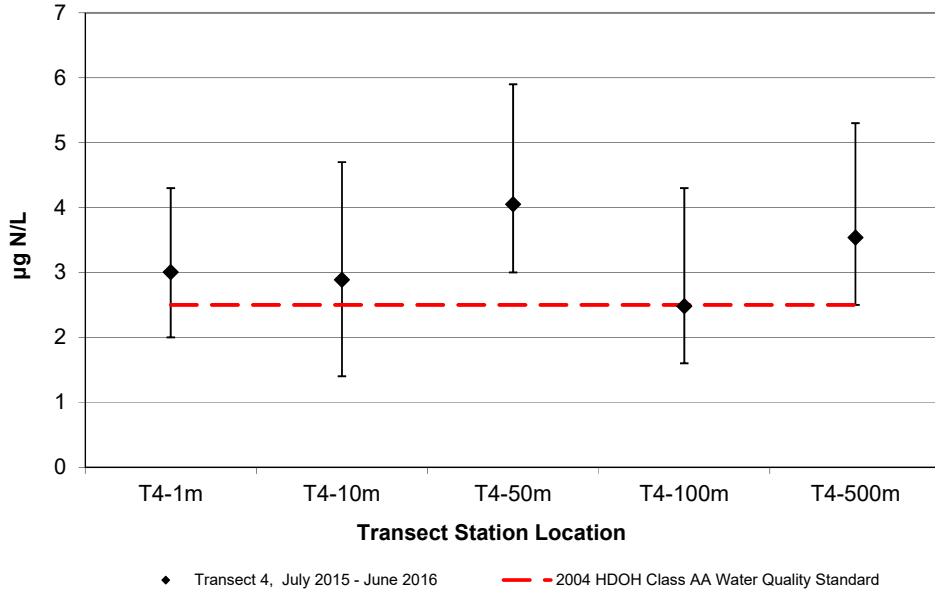
Transect 4 Station Summary  
Total Dissolved Nitrogen Geometric Mean



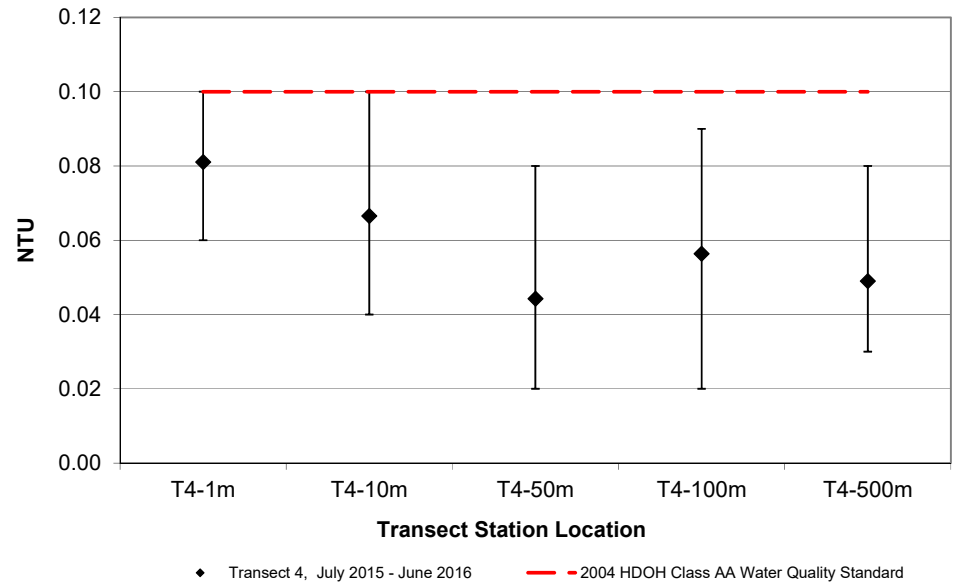
◆ Transect 4, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

NELHA Water Quality Laboratory  
Transect 4  
July 2015 - June 2016

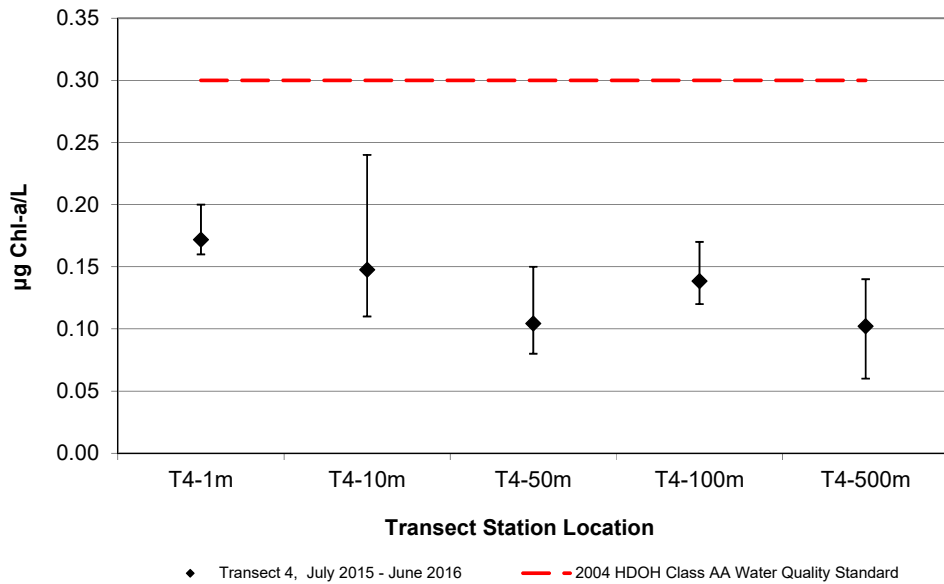
Transect 4 Station Summary  
Total Ammonia Geometric Mean



Transect 4 Station Summary  
Turbidity Geometric Mean



Transect 4 Station Summary  
Chlorophyll-a Geometric Mean





NELHA Water Quality Laboratory

Transect 4, Station 1

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		TP (µM) (µg P/L)		TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml	
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>					<b>0.10</b>						<b>0.30</b>		
O4-1S-8m	8/3/93	926	0.12	3.7	0.15	2.1	0.42	5.9	2.6	74	0.30	9.3	7.7	108	0.37	11.46	1.45	0.08	34.456	26.9	8.25	6.94				
O4-1S-8m	12/8/93	928	0.09	2.8	0.12	1.7	0.20	2.8	2.8	78	0.25	7.7	5.6	78	0.25	7.74	1.28	0.07	34.787	25.6	8.26	6.76				
O4-1S-8m	3/8/94	903	0.20	6.2	0.54	7.6	0.26	3.6	4.4	124	0.38	11.8	5.6	78	0.39	12.08	1.26	0.08	34.170	25.2	8.24	7.06	0.08	2	1	
O4-1S-8m	6/13/94	908	0.15	4.6	0.45	6.3	0.14	2.0	4.9	138	0.32	9.9	6.8	96	0.32	9.91	1.25	0.12	34.513	25.5	8.22	7.10	0.07	<1	<1	
<b>Geomean '93-'94</b>			<b>4.2</b>		<b>3.6</b>		<b>3.3</b>				<b>9.6</b>		<b>89</b>					<b>0.09</b>						<b>0.07</b>		
O4-1S-8m	9/15/94	912	0.10	3.1	0.15	2.1	0.09	1.3	3.3	94	0.29	9.0	5.7	80	0.30	9.29	1.17	0.26	34.606	27.6	8.27	6.72	0.04	<1	<1	
O4-1S-8m	11/15/94	822	0.17	5.3	0.48	6.7	0.45	6.3	5.4	153	0.36	11.2	5.8	81	0.39	12.08	1.02	0.09	34.542	26.0	8.24	6.83	0.19	3	1	
O4-1S-8m	3/22/95	1208	0.21	6.5	0.39	5.5	0.43	6.0	4.9	138	0.34	10.5	5.4	75	0.34	10.53	1.02	0.11	34.154	25.3	8.26	7.34	0.20	<1	<1	
O4-1S-8m	6/21/95	831	0.11	3.4	0.16	2.2	0.34	4.8	2.4	68	0.29	9.0	5.9	83	0.29	8.98	1.01	0.07	34.454	26.2	8.21	6.85	0.05	<1	<1	
<b>Geomean '94-'95</b>			<b>4.4</b>		<b>3.6</b>		<b>3.9</b>				<b>9.9</b>		<b>80</b>					<b>0.12</b>						<b>0.09</b>		
O4-1S-8m	9/28/95	800	0.10	3.1	0.19	2.7	0.33	4.6	3.1	88	0.28	8.7	10.4	146	0.28	8.67	1.31	0.16	34.596	27.2	8.29	6.78	0.08	2	<1	
O4-1S-8m	11/14/95	831	0.11	3.4	0.09	1.3	0.60	8.4	2.7	76	0.31	9.6	5.5	77	0.31	9.60	1.24	0.07	34.358	26.7	8.27	6.65	0.03	<1	<1	
O4-1S-8m	3/12/96	908	0.17	5.3	0.35	4.9	0.53	7.4	3.4	94	0.32	9.9	5.2	73	0.32	9.91	0.99	0.06	34.164	25.1	8.22	7.03	0.16	<1	<1	
O4-1S-8m	5/14/96	847	0.13	4.0	0.57	8.0	0.19	2.7	4.0	111	0.29	9.0	5.4	76	0.32	9.91	0.94	0.09	34.278	27.0	8.21	7.23	0.17	<1	3	
<b>Geomean '95-'96</b>			<b>3.9</b>		<b>3.4</b>		<b>5.3</b>				<b>9.3</b>		<b>89</b>					<b>0.09</b>						<b>0.09</b>		
O4-1S-8m	7/31/96	930	0.07	2.2	0.07	1.0	0.33	4.6	2.1	59	0.25	7.7	5.1	72	0.25	7.74	1.07	0.07	34.498	27.9	8.26	6.66	0.11	<1	2	
O4-1S-8m	10/2/96	858	0.06	1.9	0.07	1.0	0.16	2.2	3.5	97	0.29	9.0	4.4	62	0.29	8.98	1.09	0.09	34.646	28.1	8.22	6.49	0.09	<1	<1	
O4-1S-8m	1/7/97	912	0.12	3.7	0.52	7.3	0.25	3.5	3.8	105	0.34	10.5	4.9	68	0.34	10.53	1.04	0.08	34.647	25.3	8.27	7.06	0.01	<1	1	
O4-1S-8m	4/28/97	926	0.17	5.3	0.73	10.2	0.42	5.9	4.5	125	0.60	18.6	5.6	78	0.75	23.23	1.05	0.10	34.413	26.6	8.27	6.86	0.15	<1	<1	
<b>Geomean '96-'97</b>			<b>3.0</b>		<b>2.9</b>		<b>3.8</b>				<b>10.8</b>		<b>70</b>					<b>0.08</b>						<b>0.06</b>		
O4-1S-8m	8/19/97	914	0.11	3.4	0.47	6.6	0.24	3.4	4.9	136	0.34	10.5	4.8	68	0.35	10.84	1.05	0.09	34.633	26.9	8.38	7.00	0.11	<1	<1	
O4-1S-8m	10/7/97	1157	0.13	4.0	0.20	2.8	0.43	6.0	3.1	88	0.33	10.2	4.7	66	0.33	10.22	1.04	0.12	34.739	27.7	8.45	6.81	0.11	<1	<1	
O4-1S-8m	3/4/98	916	0.09	2.8	0.15	2.1	0.18	2.5	3.0	83	0.28	8.7	4.9	68	0.31	9.60	1.01	0.09	35.022	24.9	8.23	6.83	0.04	<1	<1	
O4-1S-8m	5/5/98	929	0.09	2.8	0.18	2.5	0.15	2.1	3.5	99	0.35	10.8	5.3	75	0.35	10.84	0.98	0.08	35.048	24.1	8.22	7.01	0.06	<1	<1	
<b>Geomean '97-'98</b>			<b>3.2</b>		<b>3.1</b>		<b>3.2</b>				<b>10.0</b>		<b>69</b>					<b>0.09</b>						<b>0.07</b>		
O4-1S-8m	7/7/98	946	0.12	3.7	0.41	5.7	0.03	0.4	5.9	166	0.38	11.8	5.3	75	0.40	12.39	1.10	0.10	34.939	26.3	8.21	6.68	0.13	<1	<1	
O4-1S-8m	10/6/98	905	0.11	3.4	0.26	3.6	0.06	0.8	2.4	67	0.38	11.8	5.9	82	0.43	13.32	1.07	0.08	35.104	27.1	8.22	7.23	0.13	<1	<1	
O4-1S-8m	1/19/99	926	0.07	2.2	0.01	0.1	0.15	2.1	8.7	245	0.36	11.2	4.8	67	0.35	10.84	1.14	0.06	35.153	25.1	8.22	6.91	0.16	<1	<1	
O4-1S-8m	4/13/99	1014	0.15	4.6	0.36	5.0	0.12	1.7	8.0	224	0.44	13.6	4.5	63	0.41	12.70	1.01	0.09	34.651	24.3	8.21	n/a	0.13	<1	<1	
<b>Geomean '98-'99</b>			<b>3.4</b>		<b>2.0</b>		<b>1.1</b>				<b>12.0</b>		<b>71</b>					<b>0.08</b>						<b>0.14</b>		
O4-1S-8m	8/16/99	940	0.11	3.4	0.18	2.5	0.42	5.9	1.7	48	0.35	10.8	4.1	58	0.36	11.15	1.09	0.13	34.871	26.1	8.25	7.06	0.15	<1	1	
O4-1S-8m	10/25/99	1035	0.13	4.0	0.28	3.9	0.27	3.8	3.9	109	0.37	11.5	5.3	74	0.37	11.46	1.06	0.11	34.928	26.2	8.28	7.02	0.11	<1	1	
O4-1S-8m	1/12/00	946	0.10	3.1	0.03	0.4	0.26	3.6	1.9	52	0.30	9.3	5.1	72	0.30	9.29	0.98	0.05	35.132	24.7	8.26	6.84	0.11	<1	<1	
O4-1S-8m	5/16/00	918	0.19	5.9	0.52	7.3	0.10	1.4	6.7	187	0.35	10.8	6.1	86	0.37	11.46	0.97	0.16	34.595	25.1	8.24	7.10	0.22	<1	<1	
<b>Geomean '99-'00</b>			<b>4.0</b>		<b>2.3</b>		<b>3.3</b>				<b>10.6</b>		<b>72</b>					<b>0.10</b>						<b>0.14</b>		
O4-1S-8m	7/25/00	943	0.10	3.1	0.14	2.0	0.34	4.8	4.5	127	0.37	11.5	5.2	73	0.36	11.15	1.04	0.08	34.861	26.8	8.28	6.71	0.12	<1	2	
O4-1S-8m	10/31/00	937	0.10	3.1	0.08	1.1	0.27	3.8	12.9	363	0.36	11.2	5.1	71	0.37	11.46	1.11	0.07	34.964	27.0	8.25	6.57	0.10	<1	3	
O4-1S-8m	3/6/01	928	0.16	5.0	0.49	6.9	0.08	1.1	3.9	110	0.39	12.1	6.5	91	0.40	12.39	1.12	0.07	34.703	24.8	8.20	6.59	0.10	<1	<1	
O4-1S-8m	5/8/01	1022	0.13	4.0	0.35	4.9	0.19	2.7	6.3	177	0.37	11.5	5.1	71	0.37	11.46	1.03	0.09	34.771	25.0	8.21	6.88	0.11	<1	<1	
<b>Geomean '00-'01</b>			<b>3.7</b>		<b>2.9</b>		<b>2.7</b>				<b>11.5</b>		<b>76</b>					<b>0.08</b>						<b>0.11</b>		
O4-1S-8m	8/13/01	1032	0.10	3.1	0.01	0.1	0.51	7.1	2.6	72	0.34	10.5	5.3	74	0.34	10.53	1.06	0.09	34.893	26.6	8.23	6.77	0.12	<1	<1	
O4-1S-8m	10/30/01	943	0.17	5.3	0.52	7.3	0.06	0.8	5.4	152	0.40	12.4	5.7	80	0.42	13.01	1.00	0.09	34.975	26.8	8.21	8.91	0.19	<1	<1	
O4-1S-8m	3/4/02	1006	0.11	3.4	0.20	2.8	0.02	0.3	9.3	262	0.38	11.8	5.4	76	0.40	12.39	1.00	0.09	34.668	24.1	8.23	6.73	0.14	<1	<1	
O4-1S-8m	4/16/02	1004	0.20	6.2	0.49	6.9	0.28	3.9	5.8	162	0.41	12.7	5.9	83	0.41	12.70	0.98	0.13	34.404	25.8	8.19	6.54	0.12	<1	<1	
<b>Geomean '01-'02</b>			<b>4.3</b>		<b>2.1</b>		<b>1.6</b>				<b>11.8</b>		<b>78</b>					<b>0.10</b>						<b>0.14</b>		



NELHA Water Quality Laboratory

Transect 4, Station 1

July 1993 - June 2015

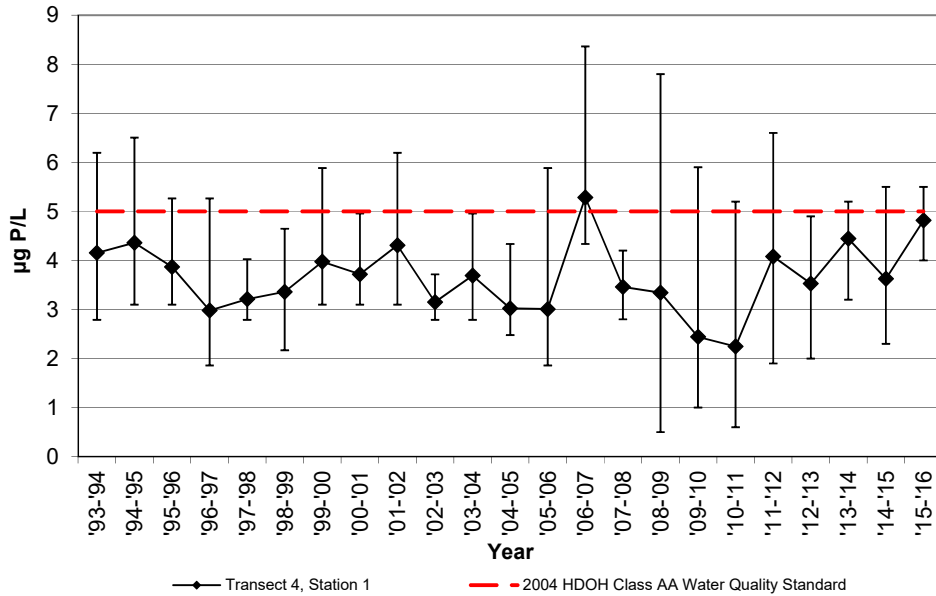
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		TP (µM) (µg P/L)	TOC (mgC/L)	Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>				<b>0.10</b>					<b>0.30</b>		
T4-1m	7/27/11	910	0.21	6.6	0.39	5.4	0.41	5.8	2.8	79	0.51	15.9	5.0	70			0.07	34.77	26.03	8.21	6.27	0.12		
T4-1m	10/19/11	942	0.06	1.9	0.16	2.3	0.14	1.9	2.5	72	0.38	11.8	4.6	64			0.05	35.08	26.52	8.24	7.30	0.10		
T4-1m	1/26/12	910	0.11	3.4	0.34	4.7	0.12	1.7	2.9	82	0.37	11.4	4.3	60			0.04	34.98	24.41	8.21	6.77	0.13		
T4-1m	4/25/12	932	0.21	6.5	0.47	6.6	0.46	6.4	2.2	62	0.54	16.6	5.5	77			0.23	34.89	24.82	8.19	6.99	0.10		
<b>Geomean</b>	<b>'11-'12</b>		<b>4.1</b>		<b>4.4</b>		<b>3.3</b>				<b>13.7</b>		<b>67</b>				<b>0.08</b>					<b>0.11</b>		
T4-1m	7/25/12	921	0.06	2	0.29	4	0.34	4.8	2.3	64	0.42	13	5.4	76			0.06	35.02	26.25	8.23	6.84	0.08		
T4-1m	11/28/12	924	0.12	3.6	0.19	2.6	0.31	4.4	2.0	57	0.45	13.9	5.7	80			0.10	35.20	25.28	8.20	6.82	0.08		
T4-1m	1/24/13	908	0.14	4.4	0.71	9.9	0.14	1.9	3.5	98	0.47	14.5	6.4	90			0.08	35.02	24.65	8.21	6.40	0.09		
T4-1m	4/17/13	1021	0.16	4.9	0.53	7.4	0.26	3.6	2.2	62	0.54	16.6	8.5	119			0.09	35.13	25.11	8.22	6.93	0.17		
<b>Geomean</b>	<b>'12-'13</b>		<b>3.5</b>		<b>5.3</b>		<b>3.5</b>				<b>14.4</b>		<b>90</b>				<b>0.08</b>					<b>0.10</b>		
T4-1m	8/6/13	929	0.10	3.2	0.01	0.2	0.11	1.5	2.8	79	0.38	11.8	7.0	99			0.11	35.11	26.3	8.26	7.09	0.17		
T4-1m	10/30/13	909	0.15	4.7	0.34	4.8	0.22	3.1	1.7	47	0.47	14.6	6.4	90			0.08	34.92	27.0	8.23	5.81	0.17		
T4-1m	2/5/14	928	0.17	5.2	0.34	4.8	0.28	3.9	2.3	64	0.46	14.1	5.6	78			0.02	34.93	25.2	8.21	6.48	0.08		
T4-1m	5/7/14	923	0.16	5.0	0.49	6.9	0.34	4.7	1.7	47	0.47	14.6	8.8	123			0.11	34.75	25.7	8.20	5.87	0.12		
<b>Geomean</b>	<b>'13-'14</b>		<b>4.4</b>		<b>2.4</b>		<b>3.0</b>				<b>13.7</b>		<b>96</b>				<b>0.07</b>					<b>0.13</b>		
T4-1m	8/6/14	919	0.18	5.5	0.11	1.5	0.31	4.4	0.8	23	0.50	15.4	6.4	89			0.10	34.92	26.8	8.23	6.51	0.13		
T4-1m	12/4/14	941	0.12	3.8	0.15	2.1	0.43	6.0	0.7	19	0.46	14.3	9.2	130			0.13	35.19	26.4	8.24	6.26	0.16		
T4-1m	3/5/15	932	0.07	2.3	0.55	7.7	0.41	5.8	1.2	34	0.26	8.0	7.6	106			0.11	34.72	25.4	8.20	6.88	0.14		
T4-1m	6/18/15	919	0.12	3.6	0.64	9.0	0.34	4.7	2.5	71	0.14	4.2	8.0	113			0.10	34.38	26.7	8.14	6.63	0.11		
<b>Geomean</b>	<b>'14-'15</b>		<b>3.6</b>		<b>3.8</b>		<b>5.2</b>				<b>9.3</b>		<b>108</b>				<b>0.11</b>					<b>0.13</b>		
T4-1m	8/29/15	933	0.16	4.9	0.24	3.4	0.31	4.3	7.1	200	0.27	8.5	5.4	75			0.06	34.49	28.5	8.20	6.25	0.20		
T4-1m	11/18/15	944	0.16	5.0	0.53	7.4	0.14	2.0	3.0	84	0.54	16.7	7.2	100			0.08	34.63	27.3	8.27	6.90	0.17		
T4-1m	3/2/16	836	0.18	5.5	0.43	6.0	0.27	3.8	0.0	0	0.56	17.2	5.7	79			0.09	34.69	25.2	8.24	5.89	0.16		
T4-1m	5/4/16	919	0.13	4.0	0.21	2.9	0.18	2.5	1.0	28	0.37	11.4	6.7	94			0.10	34.65	25.8	8.19	6.22	0.16		
<b>Geomean</b>	<b>'15-'16</b>		<b>4.8</b>		<b>4.6</b>		<b>3.0</b>				<b>12.9</b>		<b>87</b>				<b>0.08</b>					<b>0.17</b>		

NELHA Water Quality Laboratory

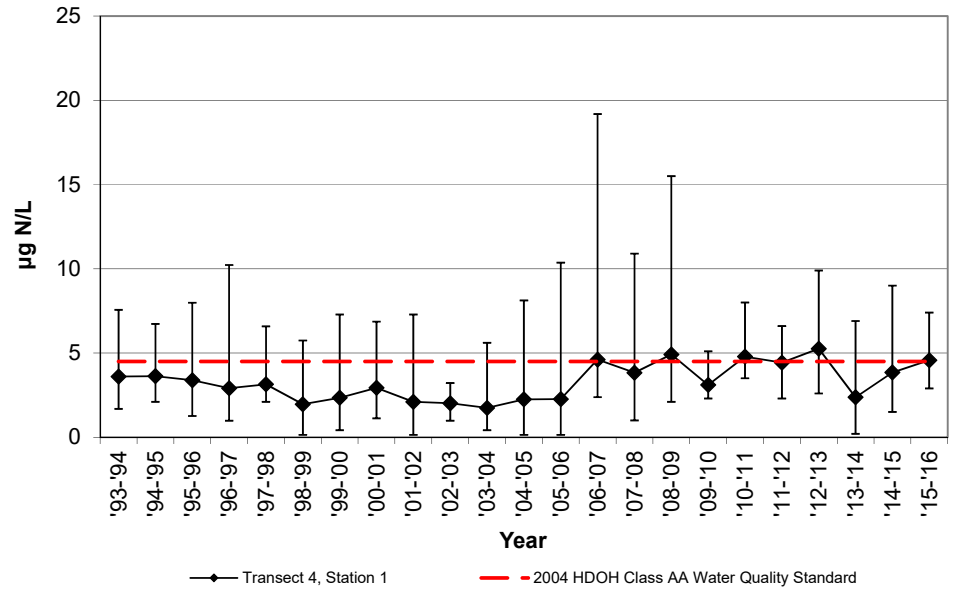
Transect 4, Station 1

July 1993 - June 2015

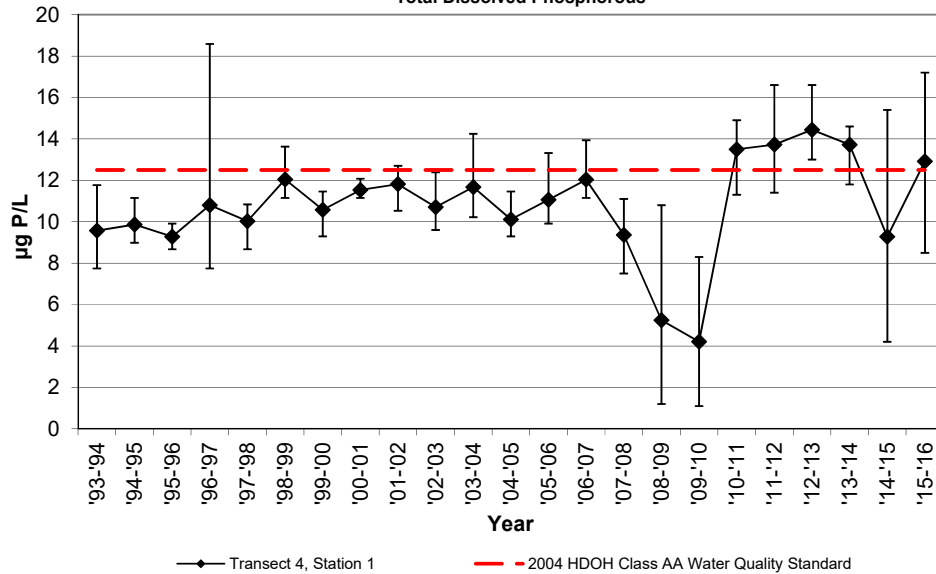
NELHA Offshore Transect 4, Station 1  
Yearly Geometric Mean of Ortho-Phosphate



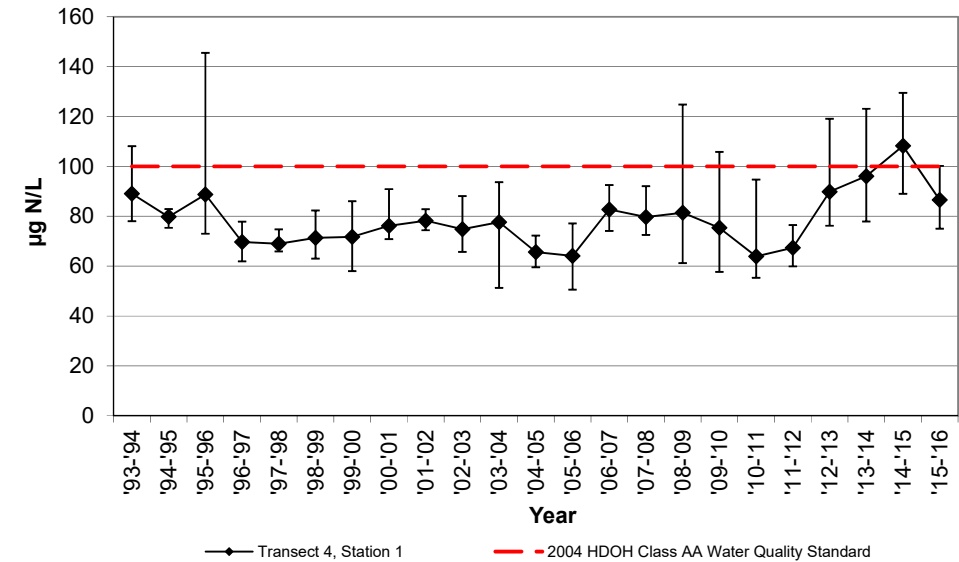
NELHA Offshore Transect 4, Station 1  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 4, Station 1  
Yearly Geometric Mean of  
Total Dissolved Phosphorous

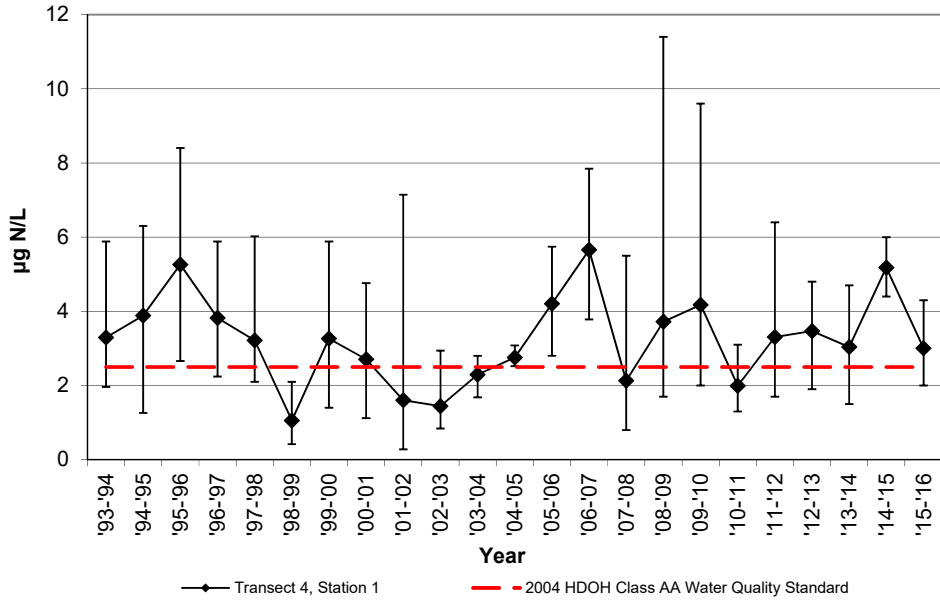


NELHA Offshore Transect 4, Station 1  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

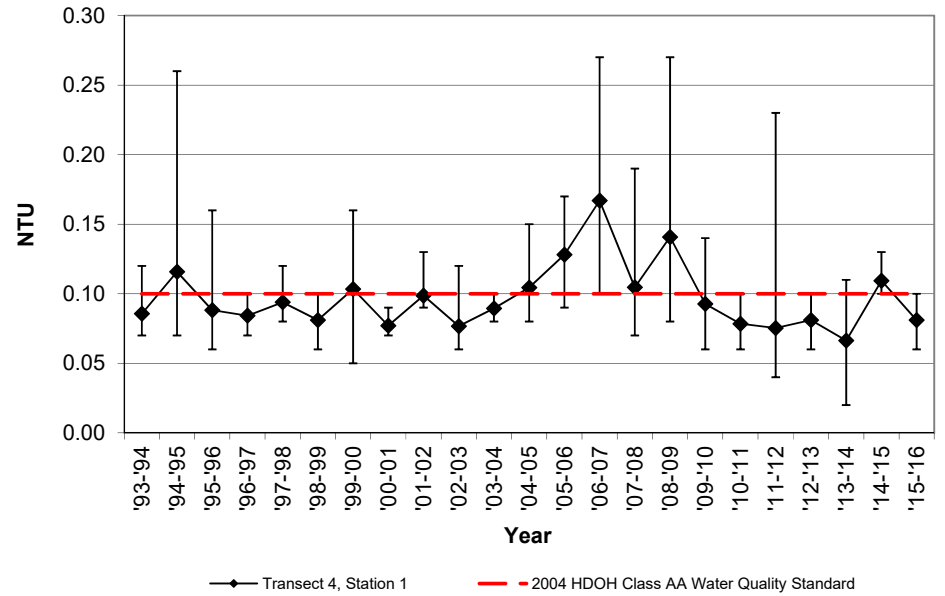


NELHA Water Quality Laboratory  
 Transect 4, Station 1  
 July 1993 - June 2015

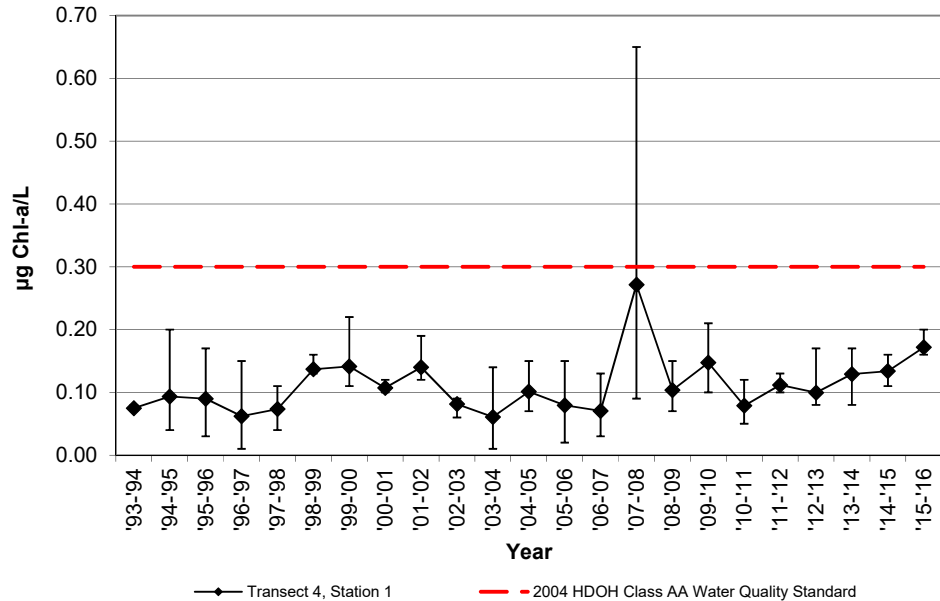
NELHA Offshore Transect 4, Station 1  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 4, Station 1  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 4, Station 1  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 4, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O4-2S-23m	8/3/93	917	0.10	3.1	0.08	1.1	0.46	6.4	3.8	105					0.06	34.464	26.8			
O4-2S-23m	12/8/93	921	0.07	2.2	0.12	1.7	0.10	1.4	2.3	65					0.05	34.795	25.7			
O4-2S-23m	3/8/94	856	0.20	6.2	0.38	5.3	0.19	2.7	4.0	111		5.88	82.36	0.07	34.185	25.1				
O4-2S-23m	6/13/94	900	0.13	4.0	0.19	2.7	0.08	1.1	6.6	185					0.09	34.533	25.5			
<b>Geomean '93-'94</b>			<b>3.6</b>		<b>2.3</b>		<b>2.3</b>								<b>0.07</b>					
O4-2S-23m	9/15/94	857	0.08	2.5	0.09	1.3	0.14	2.0	3.2	91					0.11	34.610	27.6			
O4-2S-23m	11/15/94	814	0.15	4.6	0.37	5.2	0.45	6.3	4.7	131					0.07	34.567	26.0			
O4-2S-23m	3/22/95	1159	0.21	6.5	0.45	6.3	0.36	5.0	6.0	167					0.11	34.127	25.3			
O4-2S-23m	6/21/95	826	0.10	3.1	0.13	1.8	0.33	4.6	2.3	64					0.06	34.460	26.2			
<b>Geomean '94-'95</b>			<b>3.9</b>		<b>2.9</b>		<b>4.1</b>								<b>0.08</b>					
O4-2S-23m	9/28/95	1000	0.08	2.5	0.06	0.8	0.43	6.0	3.0	83					0.09	34.596	27.4			
O4-2S-23m	11/14/95	825	0.10	3.1	0.06	0.8	0.52	7.3	4.8	135					0.05	34.360	26.7			
O4-2S-23m	3/12/96	905	0.16	5.0	0.29	4.1	0.54	7.6	3.1	87					0.10	34.168	25.1			
O4-2S-23m	5/14/96	840	0.15	4.6	1.09	15.3	0.24	3.4	5.5	153					0.09	34.222	27.0			
<b>Geomean '95-'96</b>			<b>3.6</b>		<b>2.6</b>		<b>5.8</b>								<b>0.08</b>					
O4-2S-23m	7/31/96	920	0.07	2.2	0.05	0.7	0.35	4.9	3.4	96					0.09	34.503	27.9			
O4-2S-23m	10/2/96	853	0.07	2.2	0.03	0.4	0.15	2.1	2.8	77					0.07	34.649	28.0			
O4-2S-23m	1/7/97	908	0.11	3.4	0.44	6.2	0.22	3.1	4.5	127					0.07	34.655	25.4			
O4-2S-23m	4/28/97	920	0.15	4.6	0.50	7.0	0.46	6.4	5.2	145					0.11	34.400	26.6			
<b>Geomean '96-'97</b>			<b>2.9</b>		<b>1.9</b>		<b>3.8</b>								<b>0.08</b>					
O4-2S-23m	8/19/97	909	0.08	2.5	0.44	6.2	0.24	3.4	3.5	99					0.08	34.630	27.0			
O4-2S-23m	10/7/97	1152	0.14	4.3	0.17	2.4	0.44	6.2	3.3	92					0.10	34.732	27.7			
O4-2S-23m	3/4/98	912	0.09	2.8	0.09	1.3	0.23	3.2	3.8	105					0.06	35.011	24.9			
O4-2S-23m	5/5/98	923	0.08	2.5	0.18	2.5	0.14	2.0	3.6	100					0.07	35.028	24.1			
<b>Geomean '97-'98</b>			<b>2.9</b>		<b>2.6</b>		<b>3.4</b>								<b>0.08</b>					
O4-2S-23m	7/7/98	940	0.11	3.4	0.30	4.2	0.04	0.6	6.6	186					0.08	34.948	26.3			
O4-2S-23m	10/6/98	859	0.09	2.8	0.05	0.7	0.02	0.3	1.8	50					0.09	35.129	26.8			
O4-2S-23m	1/19/99	919	0.07	2.2	0.01	0.1	0.16	2.2	2.3	65					0.08	35.152	25.1			
O4-2S-23m	4/13/99	1009	0.15	4.6	0.32	4.5	0.10	1.4	5.0	140					0.09	34.646	24.3			
<b>Geomean '98-'99</b>			<b>3.1</b>		<b>1.2</b>		<b>0.8</b>								<b>0.08</b>					
O4-2S-23m	8/16/99	938	0.10	3.1	0.18	2.5	0.42	5.9	1.7	48					0.08	34.876	26.1			
O4-2S-23m	10/25/99	1030	0.10	3.1	0.01	0.1	0.21	2.9	2.6	74					0.09	34.966	26.1			
O4-2S-23m	1/12/00	942	0.10	3.1	0.02	0.3	0.27	3.8	1.9	53					0.05	35.139	24.7			
O4-2S-23m	5/16/00	911	0.19	5.9	0.47	6.6	0.10	1.4	8.2	231					0.15	34.588	25.1			
<b>Geomean '99-'00</b>			<b>3.6</b>		<b>0.9</b>		<b>3.1</b>								<b>0.09</b>					
O4-2S-23m	7/25/00	938	0.09	2.8	0.10	1.4	0.05	0.7	5.7	161					0.06	34.859	26.8			
O4-2S-23m	10/31/00	934	0.09	2.8	0.07	1.0	0.19	2.7	2.7	75					0.05	34.961	26.9			
O4-2S-23m	3/6/01	925	0.14	4.3	0.15	2.1	0.08	1.1	3.5	99					0.10	34.697	24.8			
O4-2S-23m	5/8/01	1019	0.13	4.0	0.06	0.8	0.15	2.1	4.0	112					0.06	34.746	25.0			
<b>Geomean '00-'01</b>			<b>3.4</b>		<b>1.2</b>		<b>1.4</b>								<b>0.07</b>					
O4-2S-23m	8/13/01	1028	0.09	2.8	0.01	0.1	0.29	4.1	5.0	140					0.10	34.866	26.7			
O4-2S-23m	10/30/01	937	0.16	5.0	0.50	7.0	0.03	0.4	3.2	90					0.07	34.985	26.7			
O4-2S-23m	3/4/02	1001	0.11	3.4	0.12	1.7	0.01	0.1	5.7	161					0.09	34.671	24.1			
O4-2S-23m	4/16/02	1001	0.21	6.5	0.38	5.3	0.27	3.8	6.9	195					0.09	34.393	25.6			
<b>Geomean '01-'02</b>			<b>4.2</b>		<b>1.7</b>		<b>1.0</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 4, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O4-2S-23m	7/9/02	1114	0.11	3.4	0.07	1.0	0.12	1.7	2.6	72					0.10	34.658	26.7			
O4-2S-23m	10/7/02	955	0.11	3.4	0.04	0.6	0.17	2.4	3.5	99					0.05	34.948	27.0			
O4-2S-23m	3/10/03	1123	0.10	3.1	0.09	1.3	0.06	0.8	3.6	100					0.07	34.684	25.1			
O4-2S-23m	4/22/03	956	0.08	2.5	0.04	0.6	0.03	0.4	2.2	62					0.06	35.038	24.9			
<b>Geomean '02-'03</b>			<b>3.1</b>		<b>0.8</b>		<b>1.1</b>								<b>0.07</b>					
O4-2S-23m	8/19/03	1227	0.07	2.2	0.01	0.1	0.20	2.8	1.4	40					0.08	34.883	28.2			
O4-2S-23m	10/30/03	933	0.09	2.8	0.10	1.4	0.20	2.8	4.7	132					0.10	34.822	27.5			
O4-2S-23m	3/17/04	1017	0.13	4.0	0.10	1.4	0.19	2.7	1.6	46					n/a	34.334	26.0			
O4-2S-23m	5/24/04	941	0.15	4.6	0.26	3.6	0.06	0.8	3.7	103					n/a	33.44	26.8			
<b>Geomean '03-'04</b>			<b>3.3</b>		<b>1.0</b>		<b>2.0</b>								<b>0.09</b>					
O4-2S-23m	9/22/04	1044	0.06	1.9	0.01	0.1	0.23	3.2	1.8	50					0.07	33.77	28.1			
O4-2S-23m	11/29/04	922	0.06	1.9	0.10	1.4	0.14	2.0	1.1	32					0.08	33.70	27.0			
O4-2S-23m	1/24/05	1001	0.11	3.4	0.19	2.7	0.09	1.3	2.4	68					0.08	34.777	25.5			
O4-2S-23m	4/13/05	1002	0.14	4.3	0.55	7.7	0.19	2.7	4.8	135					0.09	34.374	25.4			
<b>Geomean '04-'05</b>			<b>2.7</b>		<b>1.4</b>		<b>2.1</b>								<b>0.08</b>					
O4-2S-23m	7/21/05	916	0.05	1.5	0.04	0.6	0.28	3.9	1.5	43					0.06	34.690	27.2			
O4-2S-23m	10/13/05	854	0.06	1.9	0.02	0.3	0.23	3.2	1.6	45					0.11	34.833	27.2			
O4-2S-23m	3/14/06	940	0.09	2.8	0.04	0.6	0.41	5.7	5.8	162					0.07	34.861	24.4			
O4-2S-23m	5/17/06	908	0.13	4.0	0.07	1.0	0.19	2.7	2.1	59					0.11	34.676	24.4			
<b>Geomean '05-'06</b>			<b>2.4</b>		<b>0.5</b>		<b>3.7</b>								<b>0.08</b>					
O4-2S-23m	8/16/06	912	0.12	3.7	0.30	4.2	0.16	2.2	2.4	69					0.14	34.633	26.8			
O4-2S-23m	11/20/06	909	0.11	3.4	0.13	1.8	0.24	3.4	1.6	46					0.19	34.807	26.7			
O4-2S-23m	2/12/07	1002	0.12	3.7	0.13	1.8	0.30	4.2	1.3	37					0.22	34.457	24.5			
O4-2S-23m	4/16/07	956	0.15	4.6	1.00	14.0	0.30	4.2	9.4	264					0.14	34.472	26.0			
<b>Geomean '06-'07</b>			<b>3.8</b>		<b>3.7</b>		<b>3.4</b>								<b>0.17</b>					
T4-10m	9/26/07	1147	0.13	4.0	0.61	8.5	0.25	3.5	13.6	383	0.41	12.6	5.9	82	0.10	34.929	26.9	8.24	6.78	0.17
T4-10m	12/14/07	904	0.08	2.4	0.05	0.7			3.4	95	0.31	9.5	6.1	85	0.12	34.722	25.6	8.22	6.70	0.31
T4-10m	3/11/08	914	0.21	6.5	0.55	7.7	0.06	0.8	3.1	86	0.26	7.9	5.0	70	0.11	34.865	24.8	8.08	6.63	0.51
T4-10m	6/9/08	955	0.07	2.2	0.32	4.5	0.16	2.2	7.6	214	0.34	10.4	6.0	84	0.12	34.6638	25.1	8.1	5.96	0.26
<b>Geomean '07-'08</b>			<b>3.4</b>		<b>3.8</b>		<b>1.8</b>				<b>10.0</b>		<b>80</b>		<b>0.11</b>					<b>0.29</b>
T4-10m	9/23/08	1042	0.03	0.8	0.14	1.9	0.44	6.2	1.7	48	0.31	9.7	4.6	64	0.08	34.836	26.8	8.06	6.21	0.1
T4-10m	12/8/08	949	0.17	5.4	0.32	4.5	0.29	4	2.2	62	0.55	17	5.2	73	0.08	34.982	26.1	8.30	5.64	0.07
T4-10m	2/10/09	846	0.11	3.4	0.58	8.1	0.12	1.7	2.3	64	0.22	6.8	8.0	113	0.18	35.079	24.7	8.05	5.98	0.08
T4-10m	6/30/09	929	0.27	8.5	0.30	4.2	0.12	1.7	6.1	171	0.39	12.1	5.2	72	0.12	34.876	26.7	8.20	6.13	0.08
<b>Geomean '08-'09</b>			<b>3.3</b>		<b>4.1</b>		<b>2.9</b>				<b>10.8</b>		<b>78</b>		<b>0.11</b>					<b>0.08</b>
T4-10m	9/10/09	910	0.10	3.2	0.16	2.2	0.10	1.4	4.7	133	0.44	13.6	5.6	79	0.06	35.18	27.2	8.26	5.88	0.06
T4-10m	11/24/09	908	0.03	0.8	0.16	2.2	0.19	2.7	23.6	662	0.32	9.9	5.8	81	0.05	35.26	25.2	8.26	6.58	0.15
T4-10m	2/24/10	941	0.15	4.5	0.25	3.5	0.37	5.2	3.0	84	0.27	8.5	4.2	59	0.15	35.08	24.7	8.24	5.96	0.27
T4-10m	5/25/10	921	0.04	1.2	0.39	5.4	0.11	1.5	2.9	80	0.14	4.4	6.4	89	0.06	34.89	25.1	8.22	7.10	0.03
<b>Geomean '09-'10</b>			<b>1.9</b>		<b>3.1</b>		<b>2.3</b>				<b>8.4</b>		<b>76</b>		<b>0.07</b>					<b>0.09</b>
T4-10m	8/11/10	915	0.05	1.4	0.53	7.4	0.28	3.9	3.0	85	0.32	9.9	3.5	50	0.07	34.92	26.07	8.24	6.72	0.10
T4-10m	11/9/10	914	0.05	1.5	0.25	3.5	0.10	1.4	7.7	217	0.45	14	5.0	70	0.09	34.91	26.28	8.27	6.39	0.05
T4-10m	1/11/11	1131	0.15	4.6	0.29	4.1	0.23	3.2	19.2	538	0.43	13.2	3.6	51	0.04	35.01	24.98	8.21	6.41	0.09
T4-10m	4/27/11	924	0.13	4	0.36	5.1	0.17	2.4	6.0	169	0.42	13	3.6	51	0.11	34.87	24.87	8.20	6.47	0.10
<b>Geomean '10-'11</b>			<b>2.5</b>		<b>4.8</b>		<b>2.5</b>				<b>12.4</b>		<b>55</b>		<b>0.07</b>					<b>0.08</b>

NELHA Water Quality Laboratory

Transect 4, Station 2

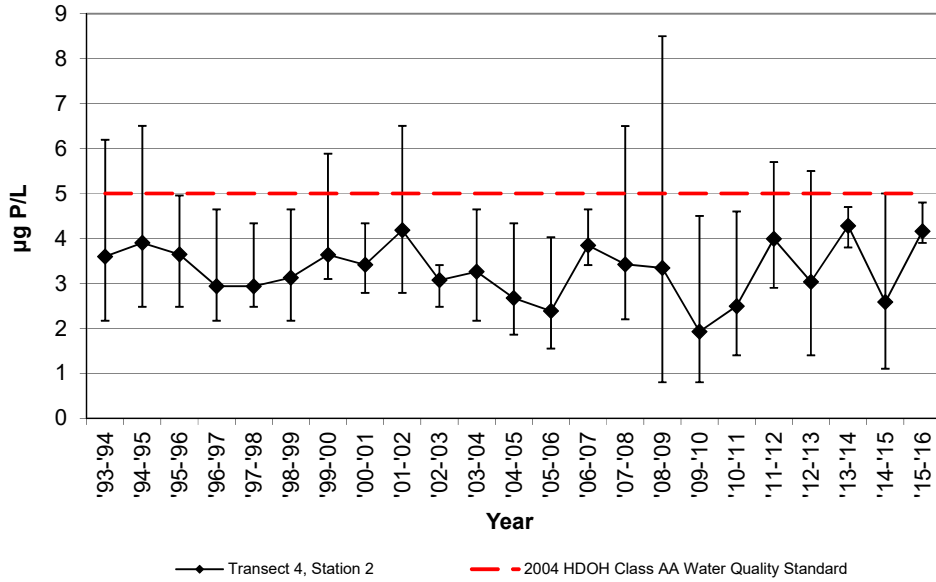
July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T4-10m	7/27/11	915	0.18	5.7	0.36	5	0.13	1.8	2.2	62	0.49	15.3	4.5	64	0.10	34.78	26.00	8.21	6.17	0.11
T4-10m	10/19/11	945	0.09	2.9	0.15	2.1	0.10	1.4	1.6	45	0.39	12	4.7	65	0.06	35.08	26.51	8.25	7.30	0.10
T4-10m	1/26/12	915	0.09	2.9	0.39	5.5	0.26	3.7	2.4	67	0.34	10.4	3.5	49	0.08	34.99	24.40	8.23	6.78	0.10
T4-10m	4/25/12	934	0.17	5.3	0.46	6.5	0.34	4.8	1.9	53	0.53	16.3	7.3	102	0.12	34.89	24.81	8.19	7.04	0.08
<b>Geomean</b>	<b>'11-'12</b>		<b>4.0</b>		<b>4.4</b>		<b>2.6</b>				<b>13.3</b>		<b>68</b>		<b>0.09</b>					<b>0.10</b>
T4-10m	7/25/12	924	0.05	1.4	0.26	3.7	0.31	4.3	1.7	47	0.36	11.3	4.4	61	0.05	35.02	26.28	8.23	7.08	0.18
T4-10m	11/28/12	928	0.09	2.9	0.19	2.6	0.16	2.2	1.9	53	0.44	13.5	6.2	87	0.04	35.22	25.32	8.20	6.57	0.03
T4-10m	1/24/13	912	0.12	3.8	0.71	10	0.16	2.3	3.2	90	0.47	14.7	5.5	76	0.07	35.02	24.65	8.20	6.27	0.13
T4-10m	4/17/13	1026	0.18	5.5	0.54	7.5	0.26	3.6	2.2	61	0.52	16	5.0	70	0.04	35.13	25.13	8.21	6.93	0.18
<b>Geomean</b>	<b>'12-'13</b>		<b>3.0</b>		<b>5.2</b>		<b>3.0</b>				<b>13.8</b>		<b>73</b>		<b>0.05</b>					<b>0.11</b>
T4-10m	8/6/13	934	0.12	3.8	0.02	0.3	0.00	0.1	2.4	67	0.38	11.8	7.4	104	0.10	35.14	26.3	8.26	7.10	0.14
T4-10m	10/30/13	913	0.15	4.7	0.33	4.6	0.37	5.2	1.5	43	0.46	14.4	5.9	82	0.02	34.91	27.0	8.23	5.87	0.18
T4-10m	2/5/14	933	0.15	4.7	0.41	5.7	0.34	4.7	2.3	66	0.41	12.6	5.4	76	0.02	34.94	25.2	8.20	6.33	0.15
T4-10m	5/7/14	929	0.13	4.0	0.46	6.5	0.20	2.8	1.5	42	0.69	21.5	7.2	101	0.08	34.76	25.7	8.21	5.87	0.14
<b>Geomean</b>	<b>'13-'14</b>		<b>4.3</b>		<b>2.7</b>		<b>1.4</b>				<b>14.6</b>		<b>90</b>		<b>0.04</b>					<b>0.15</b>
T4-10m	8/6/14	922	0.16	5.0	0.08	1.1	0.27	3.8	0.8	22	0.53	16.5	5.4	76	0.06	34.93	26.8	8.23	6.55	0.13
T4-10m	12/4/14	945	0.10	3.0	0.12	1.7	0.51	7.1	0.5	15	0.36	11.3	6.6	92	0.07	35.20	26.4	8.23	6.38	0.14
T4-10m	3/5/15	936	0.04	1.1	0.17	2.4	0.42	5.9	0.5	14	0.32	10.0	7.9	111	0.10	34.73	25.4	8.22	6.75	0.09
T4-10m	6/18/15	924	0.09	2.7	0.50	7.0	0.19	2.7	2.4	67	0.36	11.2	6.0	84	0.08	34.41	26.7	8.13	6.56	0.11
<b>Geomean</b>	<b>'14-'15</b>		<b>2.6</b>		<b>2.4</b>		<b>4.6</b>				<b>12.0</b>		<b>90</b>		<b>0.08</b>					<b>0.12</b>
T4-10m	8/29/15	936	0.13	3.9	0.26	3.7	0.31	4.4	7.3	205	0.13	4.1	5.4	76	0.04	34.63	28.5	8.20	5.97	0.24
T4-10m	11/18/15	950	0.13	4.0	0.64	8.9	0.34	4.7	4.2	119	0.49	15.3	6.5	91	0.07	34.63	27.3	8.26	6.75	0.15
T4-10m	3/2/16	841	0.15	4.8	0.31	4.3	0.17	2.4	0.1	2	0.49	15.2	4.8	67	0.07	34.70	25.2	8.23	5.87	0.11
T4-10m	5/4/16	925	0.13	4.0	0.11	1.5	0.10	1.4	0.6	17	0.45	13.9	4.9	69	0.10	34.68	25.8	8.19	6.08	0.12
<b>Geomean</b>	<b>'15-'16</b>		<b>4.2</b>		<b>3.8</b>		<b>2.9</b>				<b>10.7</b>		<b>75</b>		<b>0.07</b>					<b>0.15</b>

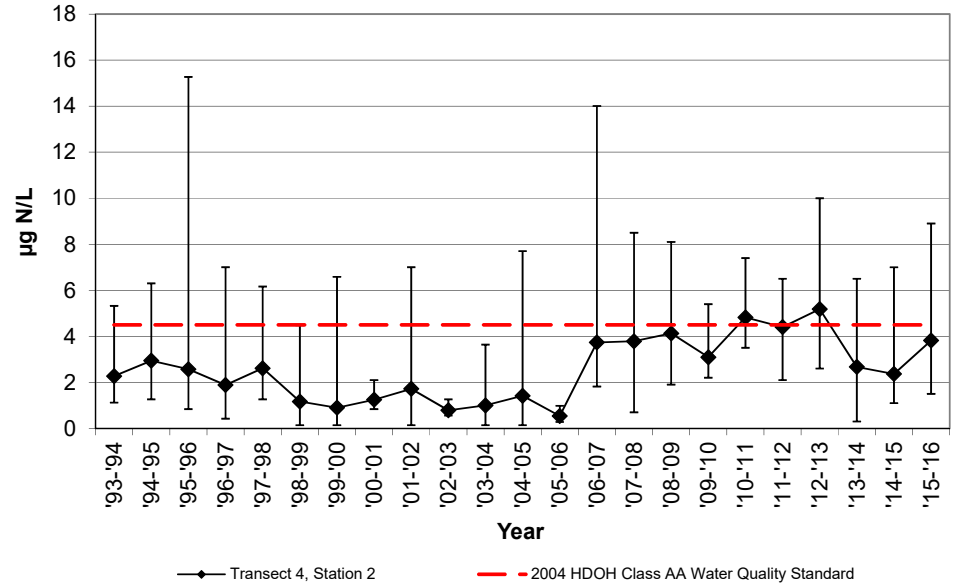


NELHA Water Quality Laboratory  
 Transect 4, Station 2  
 July 1993 - June 2015

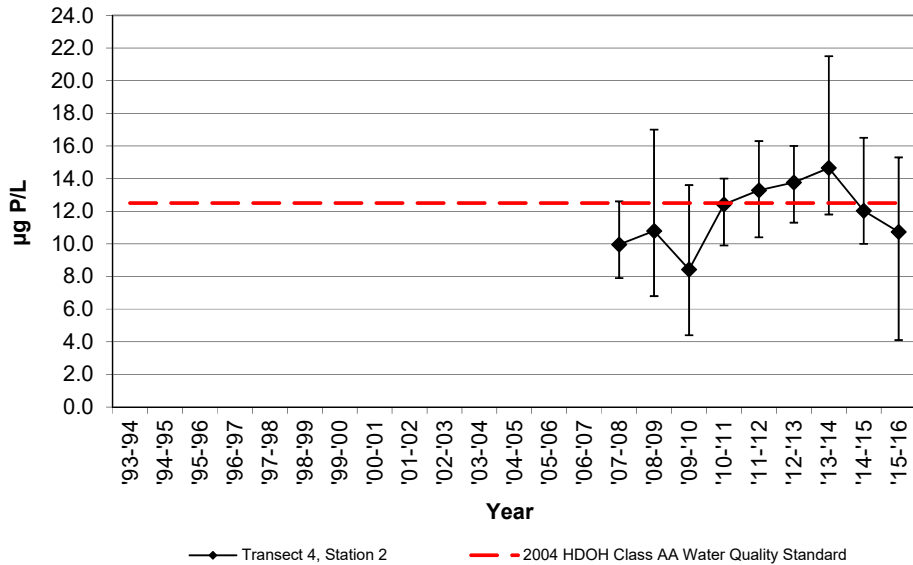
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 Yearly Geometric Mean of Ortho-Phosphate



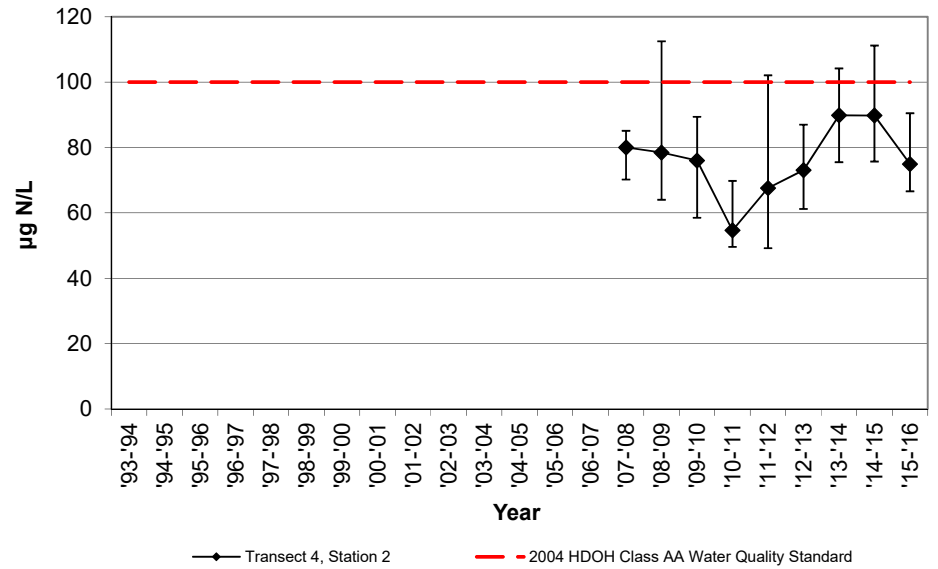
NELHA Offshore Transect 4, Station 2  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 4, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

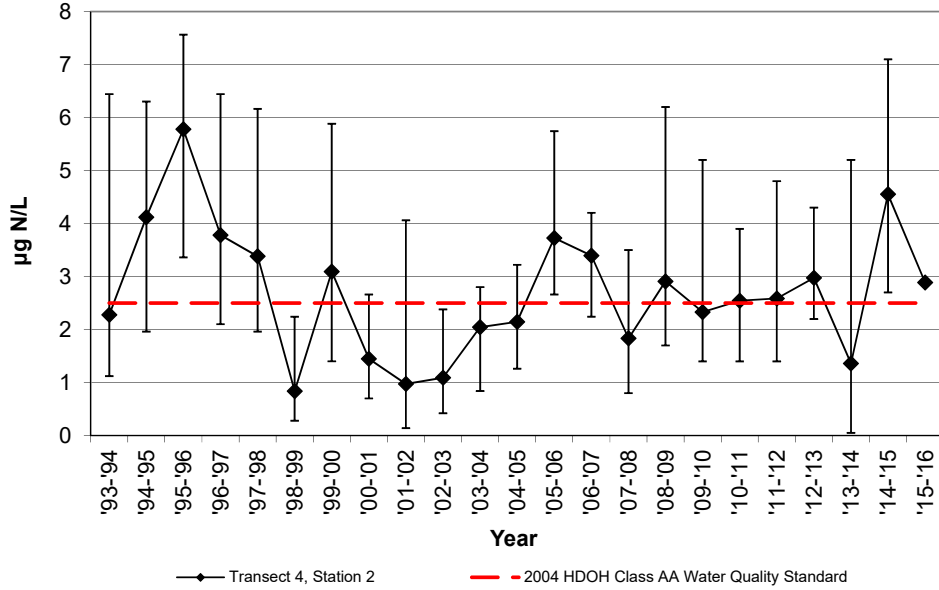


NELHA Offshore Transect 4, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

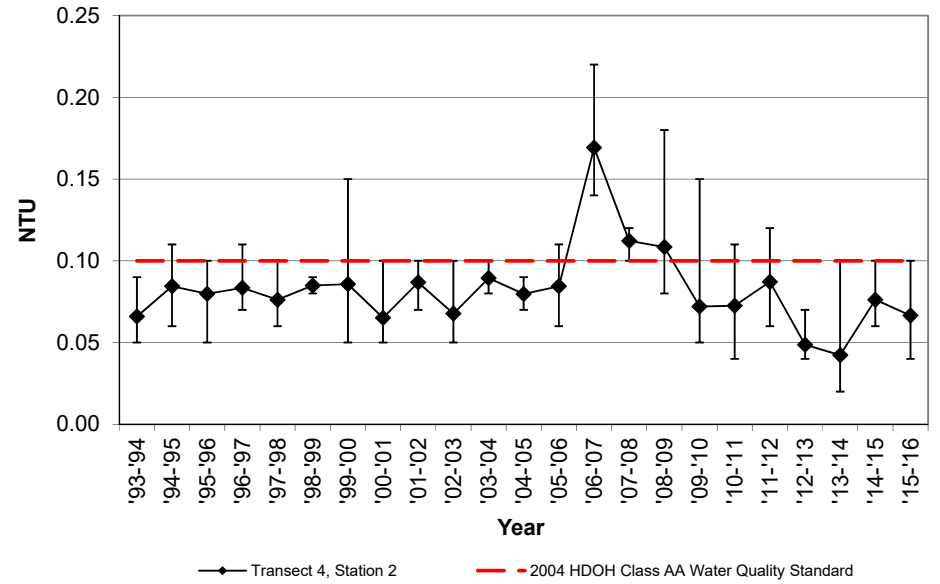


NELHA Water Quality Laboratory  
 Transect 4, Station 2  
 July 1993 - June 2015

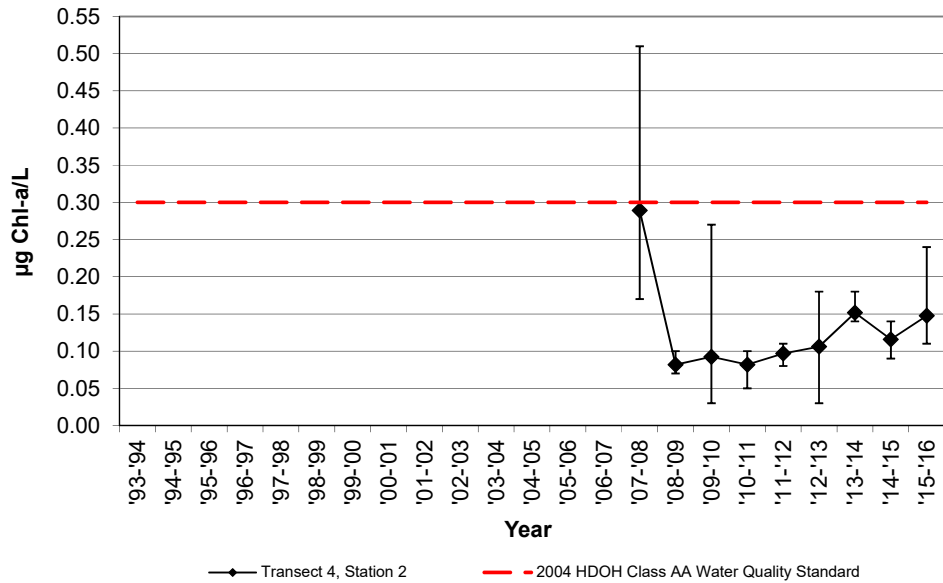
NELHA Offshore Transect 4, Station 2  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 4, Station 2  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 4, Station 2  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 4, Station 3

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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>			<b>12.5</b>	<b>100</b>	<b>0.10</b>					<b>0.30</b>
O4-3S-38m	8/3/93	907	0.12	3.7	0.03	0.4	0.43	6.0	3.1	86		0.07	34.452	26.8			
O4-3S-38m	12/8/93	914	0.07	2.2	0.10	1.4	0.09	1.3	2.2	62		0.11	34.802	25.7			
O4-3S-38m	3/8/94	850	0.18	5.6	0.13	1.8	0.12	1.7	2.8	79		0.06	34.223	25.1			
O4-3S-38m	6/13/94	854	0.13	4.0	0.19	2.7	0.11	1.5	6.6	186		0.09	34.534	25.5			
<b>Geomean '93-'94</b>			<b>3.7</b>		<b>1.3</b>		<b>2.1</b>					<b>0.08</b>					
O4-3S-38m	9/15/94	851	0.08	2.5	0.06	0.8	0.17	2.4	2.5	70		0.08	34.626	27.6			
O4-3S-38m	11/15/94	812	0.13	4.0	0.20	2.8	0.52	7.3	3.3	94		0.08	34.609	26.0			
O4-3S-38m	3/22/95	1152	0.18	5.6	0.36	5.0	0.35	4.9	6.0	169		0.10	34.129	25.3			
O4-3S-38m	6/21/95	818	0.09	2.8	0.12	1.7	0.33	4.6	2.4	68		0.06	34.456	26.2			
<b>Geomean '94-'95</b>			<b>3.5</b>		<b>2.1</b>		<b>4.5</b>					<b>0.08</b>					
O4-3S-38m	9/28/95	1010	0.09	2.8	0.07	1.0	0.52	7.3	2.9	80		0.11	34.596	27.3			
O4-3S-38m	11/14/95	821	0.10	3.1	0.04	0.6	0.52	7.3	3.6	101		0.05	34.360	26.7			
O4-3S-38m	3/12/96	901	0.14	4.3	0.30	4.2	0.52	7.3	3.4	95		0.06	34.165	25.1			
O4-3S-38m	5/14/96	835	0.11	3.4	0.79	11.1	0.33	4.6	4.9	136		0.10	34.247	27.0			
<b>Geomean '95-'96</b>			<b>3.4</b>		<b>2.2</b>		<b>6.5</b>					<b>0.08</b>					
O4-3S-38m	7/31/96	910	0.07	2.2	0.04	0.6	0.35	4.9	2.9	80		0.07	34.483	28.0			
O4-3S-38m	10/2/96	848	0.06	1.9	0.02	0.3	0.17	2.4	2.8	77		0.08	34.644	27.9			
O4-3S-38m	1/7/97	903	0.10	3.1	0.31	4.3	0.20	2.8	3.5	98		0.07	34.671	25.4			
O4-3S-38m	4/28/97	915	0.15	4.6	0.24	3.4	0.44	6.2	5.2	146		0.11	34.406	26.7			
<b>Geomean '96-'97</b>			<b>2.8</b>		<b>1.2</b>		<b>3.8</b>					<b>0.08</b>					
O4-3S-38m	8/19/97	906	0.08	2.5	0.46	6.4	0.26	3.6	3.5	99		0.09	34.630	27.0			
O4-3S-38m	10/7/97	1144	0.13	4.0	0.21	2.9	0.45	6.3	4.0	111		0.11	34.729	27.8			
O4-3S-38m	3/4/98	907	0.07	2.2	0.05	0.7	0.16	2.2	3.1	86		0.06	35.029	25.0			
O4-3S-38m	5/5/98	918	0.08	2.5	0.13	1.8	0.15	2.1	6.8	192		0.06	35.051	24.1			
<b>Geomean '97-'98</b>			<b>2.7</b>		<b>2.2</b>		<b>3.2</b>					<b>0.08</b>					
O4-3S-38m	7/7/98	935	0.11	3.4	0.28	3.9	0.03	0.4	9.9	277		0.07	34.950	26.4			
O4-3S-38m	10/6/98	854	0.08	2.5	0.01	0.1	0.02	0.3	1.6	44		0.07	35.127	26.9			
O4-3S-38m	1/19/99	915	0.07	2.2	0.02	0.3	0.05	0.7	3.1	86		0.06	35.145	25.1			
O4-3S-38m	4/13/99	1004	0.15	4.6	0.44	6.2	0.10	1.4	6.1	172		0.07	34.647	24.3			
<b>Geomean '98-'99</b>			<b>3.0</b>		<b>1.0</b>		<b>0.6</b>					<b>0.07</b>					
O4-3S-38m	8/16/99	932	0.11	3.4	0.20	2.8	0.40	5.6	1.7	49		0.18	34.873	26.1			
O4-3S-38m	10/25/99	1026	0.11	3.4	0.02	0.3	0.21	2.9	4.2	117		0.08	34.963	26.1			
O4-3S-38m	1/12/00	937	0.10	3.1	0.03	0.4	0.27	3.8	1.8	51		0.05	35.134	24.7			
O4-3S-38m	5/16/00	907	0.17	5.3	0.33	4.6	0.09	1.3	5.6	156		0.08	34.606	25.1			
<b>Geomean '99-'00</b>			<b>3.7</b>		<b>1.1</b>		<b>3.0</b>					<b>0.09</b>					
O4-3S-38m	7/25/00	934	0.09	2.8	0.10	1.4	0.05	0.7	2.7	75		0.06	34.861	26.8			
O4-3S-38m	10/31/00	930	0.10	3.1	0.05	0.7	0.21	2.9	3.0	85		0.05	34.961	26.9			
O4-3S-38m	3/6/01	919	0.18	5.6	0.52	7.3	0.12	1.7	4.1	114		0.12	34.688	24.8			
O4-3S-38m	5/8/01	1016	0.10	3.1	0.08	1.1	0.18	2.5	6.4	178		0.06	34.731	25.0			
<b>Geomean '00-'01</b>			<b>3.5</b>		<b>1.7</b>		<b>1.7</b>					<b>0.07</b>					
O4-3S-38m	8/13/01	1024	0.09	2.8	0.01	0.1	0.26	3.6	12.3	345		0.12	34.880	26.5			
O4-3S-38m	10/30/01	932	0.15	4.6	0.39	5.5	0.06	0.8	3.2	90		0.06	34.982	26.7			
O4-3S-38m	3/4/02	956	0.13	4.0	0.13	1.8	0.01	0.1	1.9	53		0.11	34.685	24.2			
O4-3S-38m	4/16/02	954	0.16	5.0	0.52	7.3	0.21	2.9	6.8	192		0.08	34.407	25.5			
<b>Geomean '01-'02</b>			<b>4.0</b>		<b>1.8</b>		<b>1.1</b>					<b>0.09</b>					



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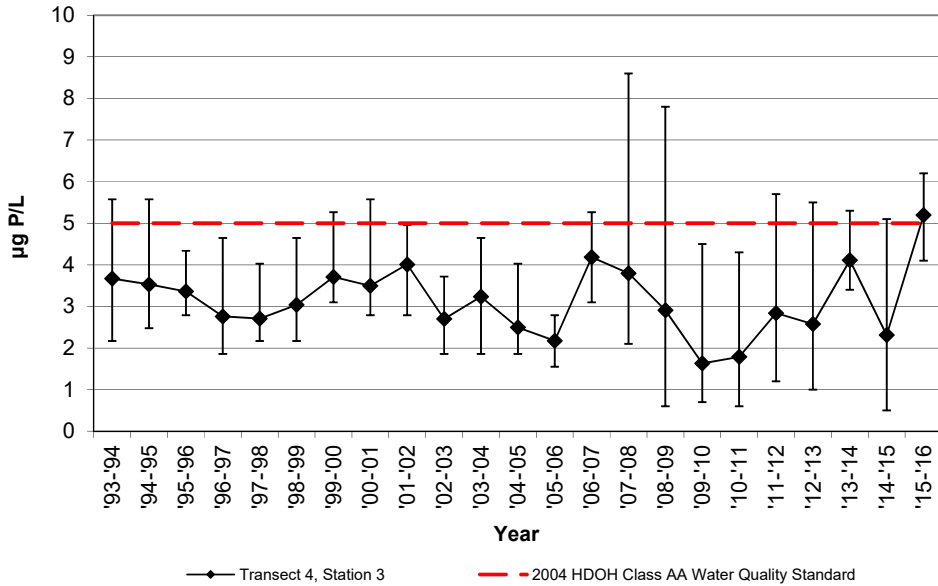
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T4-50m	7/27/11	921	0.18	5.7	0.35	4.9	0.15	2.1	2.2	63	0.48	14.8	4.0	57	0.05	34.78	26.03	8.21	6.10	0.11
T4-50m	10/19/11	948	0.04	1.2	0.10	1.4	0.03	0.4	1.6	46	0.51	15.7	3.6	51	0.02	35.09	26.46	8.23	7.02	0.08
T4-50m	1/26/12	919	0.06	1.9	0.11	1.6	0.07	1	1.7	48	0.33	10.2	3.5	50	0.06	35.04	24.43	8.24	6.60	0.09
T4-50m	4/25/12	935	0.16	5	0.14	1.9	0.39	5.4	4.2	119	0.45	13.9	4.4	61	0.04	34.88	24.85	8.18	6.76	0.10
<b>Geomean</b>	<b>'11-'12</b>		<b>2.8</b>		<b>2.1</b>		<b>1.5</b>				<b>13.5</b>		<b>54</b>		<b>0.04</b>					<b>0.09</b>
T4-50m	7/25/13	929	0.03	1	0.14	2	0.19	2.7	1.4	38	0.36	11.2	4.6	65	0.10	35.08	26.36	8.24	6.75	0.09
T4-50m	11/28/12	932	0.08	2.5	0.08	1.1	0.20	2.8	1.3	37	0.35	10.8	4.1	58	0.04	35.26	25.35	8.20	6.69	0.09
T4-50m	1/24/13	917	0.10	3.2	0.52	7.3	0.15	2.1	2.9	81	0.45	14	5.0	69	0.03	35.04	24.70	8.20	6.25	0.10
T4-50m	4/17/13	1031	0.18	5.5	0.51	7.1	0.34	4.8	1.8	51	0.48	14.8	4.7	65	0.04	35.16	25.07	8.20	6.90	0.10
<b>Geomean</b>	<b>'12-'13</b>		<b>2.6</b>		<b>3.3</b>		<b>3.0</b>				<b>12.6</b>		<b>64</b>		<b>0.05</b>					<b>0.09</b>
T4-50m	8/6/13	940	0.11	3.4	0.12	1.7	0.14	1.9	2.0	55	0.40	12.5	8.3	116	0.07	35.17	26.3	8.27	6.99	0.11
T4-50m	10/30/13	916	0.17	5.3	0.53	7.4	0.24	3.3	2.6	74	0.47	14.7	5.2	72	0.02	34.86	27.0	8.23	5.85	0.10
T4-50m	2/5/14	937	0.14	4.4	0.29	4.0	0.28	3.9	2.5	71	0.50	15.4	4.1	58	0.02	34.92	25.1	8.20	6.24	0.14
T4-50m	5/7/14	933	0.12	3.6	0.29	4.1	0.15	2.1	1.6	45	0.56	17.5	7.0	98	0.07	34.79	25.8	8.21	5.67	0.15
<b>Geomean</b>	<b>'13-'14</b>		<b>4.1</b>		<b>3.8</b>		<b>2.7</b>				<b>14.9</b>		<b>83</b>		<b>0.04</b>					<b>0.12</b>
T4-50m	8/6/14	927	0.16	5.1	0.06	0.8	0.24	3.4	0.8	22	0.47	14.7	3.5	49	0.05	34.93	26.9	8.23	6.54	0.11
T4-50m	12/4/14	952	0.10	3.2	0.12	1.7	0.54	7.6	0.6	16	0.40	12.3	6.0	84	0.11	35.21	26.4	8.23	6.23	0.17
T4-50m	3/5/15	942	0.02	0.5	0.15	2.1	0.24	3.3	0.5	15	0.31	9.7	6.5	91	0.08	34.70	25.4	8.22	6.80	0.09
T4-50m	6/18/15	928	0.11	3.5	0.19	2.6	0.13	1.8	2.7	77	0.16	4.9	7.3	103	0.06	34.41	26.6	8.12	6.36	0.09
<b>Geomean</b>	<b>'14-'15</b>		<b>2.3</b>		<b>1.7</b>		<b>3.5</b>				<b>9.6</b>		<b>79</b>		<b>0.07</b>					<b>0.11</b>
T4-50m	8/29/15	940	0.20	6.2	0.26	3.6	0.27	3.8	4.3	121	0.35	10.9	6.9	96	0.04	34.64	28.5	8.24	6.01	0.11
T4-50m	11/18/15	957	0.13	4.1	0.50	7.0	0.29	4.0	4.6	130	0.48	14.9	4.6	64	0.02	34.63	27.4	8.27	6.57	0.09
T4-50m	3/2/16	847	0.15	4.7	0.32	4.5	0.42	5.9	0.4	11	0.47	14.5	4.2	59	0.08	34.71	25.2	8.23	5.82	0.08
T4-50m	5/4/16	932	0.20	6.1	0.19	2.6	0.21	3.0	0.8	22	0.42	13.1	6.3	89	0.06	34.68	25.8	8.18	6.19	0.15
<b>Geomean</b>	<b>'15-'16</b>		<b>5.2</b>		<b>4.1</b>		<b>4.0</b>				<b>13.3</b>		<b>75</b>		<b>0.04</b>					<b>0.10</b>

NELHA Water Quality Laboratory

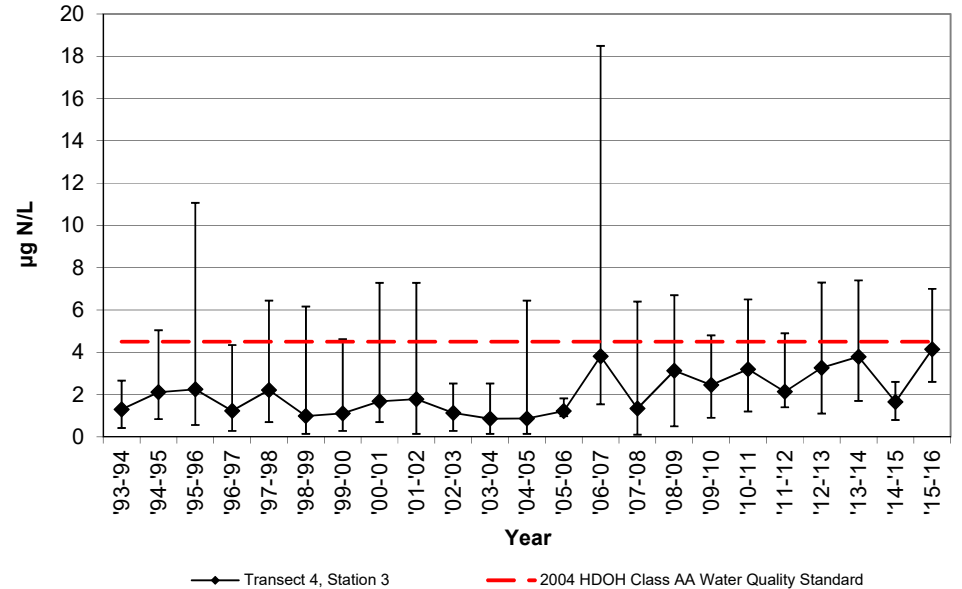
Transect 4, Station 3

July 1993 - June 2015

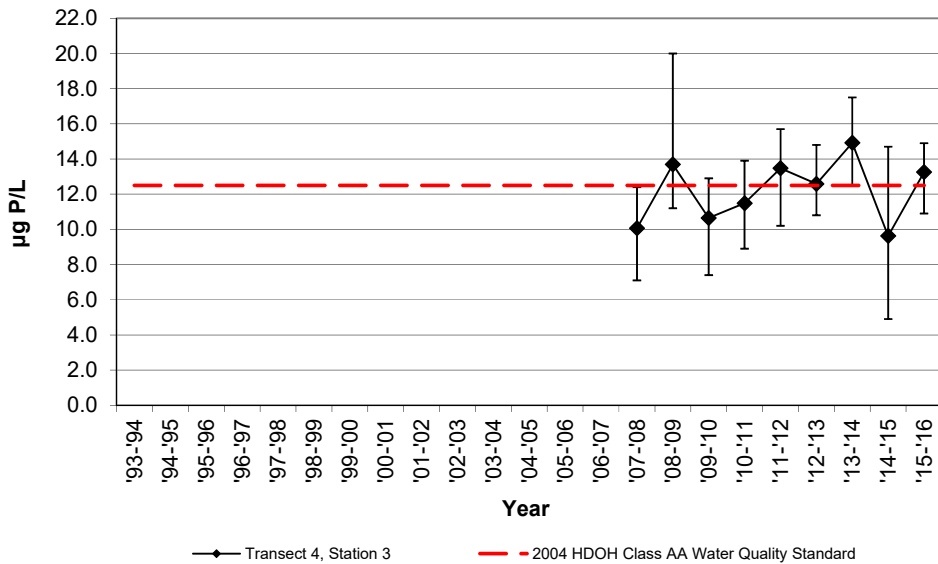
NELHA Offshore Transect 4, Station 3  
Yearly Geometric Mean of Ortho-Phosphate



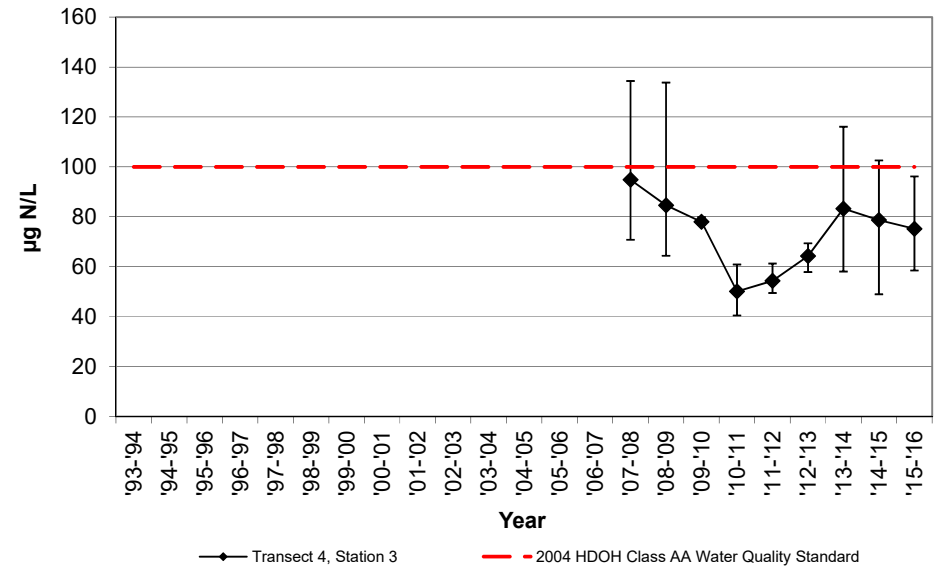
NELHA Offshore Transect 4, Station 3  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 4, Station 3  
Yearly Geometric Mean of  
Total Dissolved Phosphorous

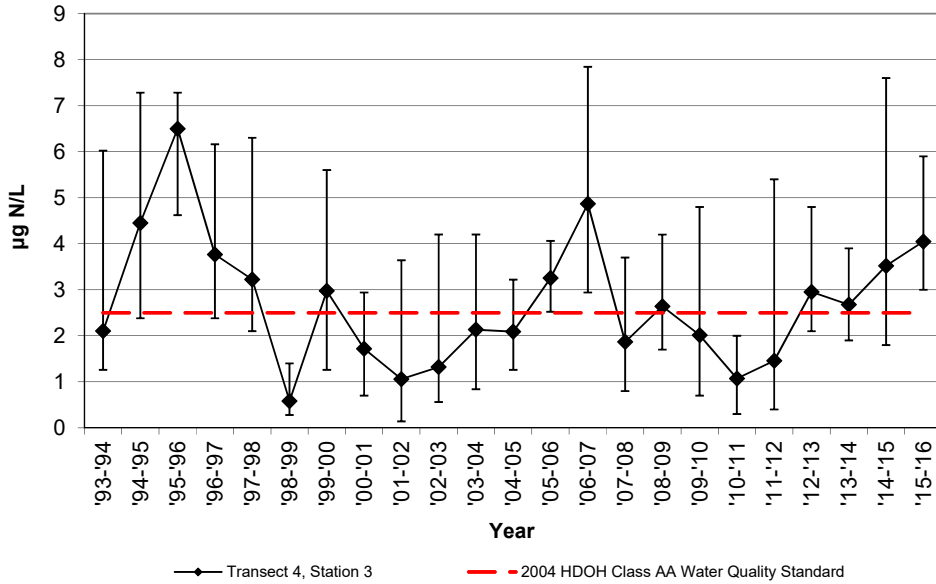


NELHA Offshore Transect 4, Station 3  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

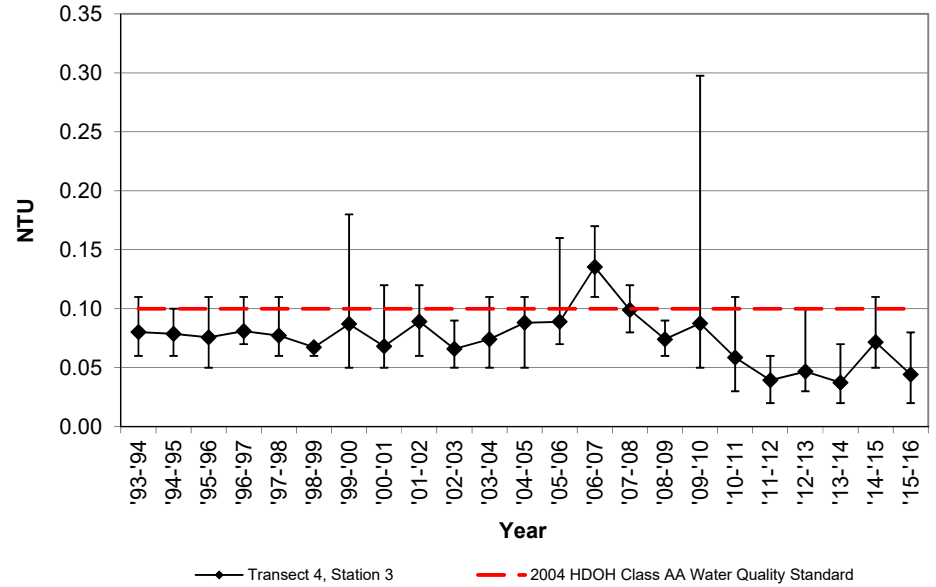


NELHA Water Quality Laboratory  
 Transect 4, Station 3  
 July 1993 - June 2015

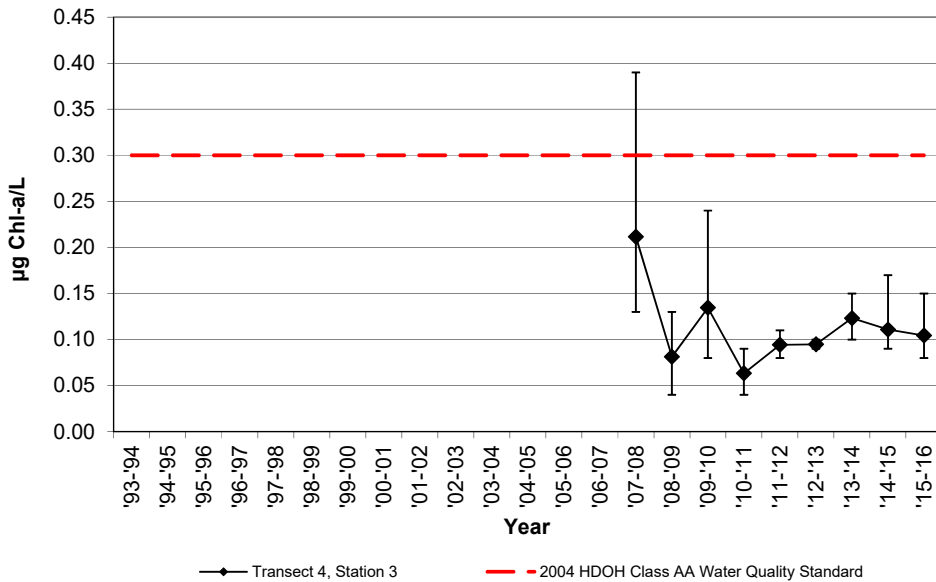
NELHA Offshore Transect 4, Station 3  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 4, Station 3  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 4, Station 3  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 4, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O4-4S-53m	8/3/93	854	0.12	3.7	0.02	0.3	0.41	5.7	1.9	54					0.06	34.457	26.8			
O4-4S-53m	12/8/93	905	0.07	2.2	0.09	1.3	0.10	1.4	4.3	120					0.05	34.793	25.7			
O4-4S-53m	3/8/94	843	0.18	5.6	0.18	2.5	0.18	2.5	3.9	108					0.09	34.214	25.1			
O4-4S-53m	6/13/94	848	0.13	4.0	0.19	2.7	0.21	2.9	6.4	181					0.09	34.529	25.5			
<b>Geomean '93-'94</b>			<b>3.7</b>		<b>1.2</b>		<b>2.8</b>								<b>0.07</b>					
O4-4S-53m	9/15/94	848	0.07	2.2	0.02	0.3	0.15	2.1	4.7	133					0.07	34.636	27.6			
O4-4S-53m	11/15/94	806	0.14	4.3	0.28	3.9	0.51	7.1	3.9	110					0.08	34.587	26.0			
O4-4S-53m	3/22/95	1145	0.18	5.6	0.36	5.0	0.35	4.9	5.4	151					0.09	34.144	25.3			
O4-4S-53m	6/21/95	811	0.09	2.8	0.13	1.8	0.35	4.9	2.5	70					0.06	34.455	26.2			
<b>Geomean '94-'95</b>			<b>3.5</b>		<b>1.8</b>		<b>4.4</b>								<b>0.07</b>					
O4-4S-53m	9/28/95	1017	0.08	2.5	0.07	1.0	0.46	6.4	1.9	54					0.07	34.613	27.3			
O4-4S-53m	11/14/95	817	0.11	3.4	0.11	1.5	0.43	6.0	3.7	103					0.05	34.363	26.7			
O4-4S-53m	3/12/96	854	0.14	4.3	0.27	3.8	0.46	6.4	3.1	88					0.06	34.165	25.0			
O4-4S-53m	5/14/96	830	0.10	3.1	0.80	11.2	0.25	3.5	4.9	138					0.08	34.242	26.9			
<b>Geomean '95-'96</b>			<b>3.3</b>		<b>2.8</b>		<b>5.4</b>								<b>0.06</b>					
O4-4S-53m	7/31/96	900	0.07	2.2	0.05	0.7	0.37	5.2	4.0	111					0.07	34.471	28.2			
O4-4S-53m	10/2/96	843	0.06	1.9	0.03	0.4	0.18	2.5	3.2	91					0.08	34.644	27.9			
O4-4S-53m	1/7/97	858	0.08	2.5	0.16	2.2	0.17	2.4	3.5	98					0.08	34.719	25.4			
O4-4S-53m	4/28/97	910	0.13	4.0	0.31	4.3	0.44	6.2	4.0	112					0.13	34.410	26.8			
<b>Geomean '96-'97</b>			<b>2.5</b>		<b>1.3</b>		<b>3.7</b>								<b>0.09</b>					
O4-4S-53m	8/19/97	902	0.06	1.9	0.21	2.9	0.20	2.8	2.7	77					0.10	34.661	27.1			
O4-4S-53m	10/7/97	1139	0.13	4.0	0.15	2.1	0.38	5.3	3.9	109					0.11	34.739	27.7			
O4-4S-53m	3/4/98	902	0.08	2.5	0.05	0.7	0.15	2.1	2.7	76					0.06	35.035	24.9			
O4-4S-53m	5/5/98	913	0.08	2.5	0.17	2.4	0.14	2.0	4.1	116					0.06	35.051	24.0			
<b>Geomean '97-'98</b>			<b>2.6</b>		<b>1.8</b>		<b>2.8</b>								<b>0.08</b>					
O4-4S-53m	7/7/98	929	0.11	3.4	0.36	5.0	0.01	0.1	5.3	149					0.09	34.950	26.3			
O4-4S-53m	10/6/98	848	0.08	2.5	0.01	0.1	0.02	0.3	1.5	42					0.08	35.125	26.9			
O4-4S-53m	1/19/99	909	0.07	2.2	0.02	0.3	0.03	0.4	2.7	75					0.06	35.150	25.1			
O4-4S-53m	4/13/99	1000	0.15	4.6	0.44	6.2	0.07	1.0	4.3	122					0.08	34.638	24.3			
<b>Geomean '98-'99</b>			<b>3.0</b>		<b>1.1</b>		<b>0.4</b>								<b>0.08</b>					
O4-4S-53m	8/16/99	924	0.11	3.4	0.30	4.2	0.40	5.6	1.8	52					0.11	34.877	26.1			
O4-4S-53m	10/25/99	1020	0.09	2.8	0.01	0.1	0.28	3.9	6.0	167					0.08	34.959	26.2			
O4-4S-53m	1/12/00	932	0.12	3.7	0.03	0.4	0.29	4.1	4.2	119					0.04	35.198	24.7			
O4-4S-53m	5/16/00	903	0.15	4.6	0.23	3.2	0.05	0.7	4.0	111					0.05	34.642	25.1			
<b>Geomean '99-'00</b>			<b>3.6</b>		<b>0.9</b>		<b>2.8</b>								<b>0.06</b>					
O4-4S-53m	7/25/00	929	0.10	3.1	0.13	1.8	0.05	0.7	2.7	75					0.05	34.862	26.7			
O4-4S-53m	10/31/00	923	0.09	2.8	0.04	0.6	0.24	3.4	3.2	88					0.09	34.964	26.9			
O4-4S-53m	3/6/01	915	0.18	5.6	0.50	7.0	0.04	0.6	4.5	126					0.09	34.696	24.8			
O4-4S-53m	5/8/01	1013	0.11	3.4	0.10	1.4	0.15	2.1	4.2	118					0.11	34.745	24.9			
<b>Geomean '00-'01</b>			<b>3.6</b>		<b>1.8</b>		<b>1.3</b>								<b>0.08</b>					
O4-4S-53m	8/13/01	1020	0.08	2.5	0.03	0.4	0.26	3.6	2.8	79					0.09	34.878	26.6			
O4-4S-53m	10/30/01	925	0.11	3.4	0.05	0.7	0.02	0.3	1.7	49					0.06	35.026	26.8			
O4-4S-53m	3/4/02	951	0.13	4.0	0.12	1.7	0.01	0.1	2.6	73					0.11	34.668	24.1			
O4-4S-53m	4/16/02	949	0.16	5.0	0.32	4.5	0.25	3.5	6.1	170					0.12	34.389	25.6			
<b>Geomean '01-'02</b>			<b>3.6</b>		<b>1.2</b>		<b>0.8</b>								<b>0.09</b>					



NELHA Water Quality Laboratory

Transect 4, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O4-4S-53m	7/9/02	1103	0.11	3.4	0.01	0.1	0.17	2.4	2.3	64					0.06	34.674	26.7			
O4-4S-53m	10/7/02	945	0.06	1.9	0.02	0.3	0.20	2.8	2.4	68					0.06	34.942	27.0			
O4-4S-53m	3/10/03	1108	1.10	34.1	0.14	2.0	0.04	0.6	2.9	83					0.06	34.760	25.0			
O4-4S-53m	4/22/03	948	0.07	2.2	0.03	0.4	0.03	0.4	3.4	95					0.06	35.041	24.8			
<b>Geomean '02-'03</b>			<b>4.7</b>		<b>0.4</b>		<b>1.1</b>								<b>0.06</b>					
O4-4S-53m	8/19/03	1204	0.06	1.9	0.01	0.1	0.20	2.8	1.5	42					0.05	34.841	28.2			
O4-4S-53m	10/30/03	919	0.10	3.1	0.13	1.8	0.24	3.4	1.8	52					0.08	34.823	27.5			
O4-4S-53m	3/17/04	1009	0.12	3.7	0.04	0.6	0.15	2.1	1.8	50					n/d	34.389	26.0			
O4-4S-53m	5/24/04	931	0.15	4.6	0.07	1.0	0.06	0.8	2.7	75					n/d	33.36	26.8			
<b>Geomean '03-'04</b>			<b>3.2</b>		<b>0.6</b>		<b>2.0</b>								<b>0.06</b>					
O4-4S-53m	9/22/04	1000	0.07	2.2	0.01	0.1	0.26	3.6	1.4	40					0.08	33.78	27.6			
O4-4S-53m	11/29/04	913	0.06	1.9	0.10	1.4	0.10	1.4	1.1	30					0.05	33.70	26.9			
O4-4S-53m	1/24/05	950	0.08	2.5	0.45	6.3	0.12	1.7	3.0	83					0.11	35.257	25.4			
O4-4S-53m	4/13/05	948	0.13	4.0	0.48	6.7	0.17	2.4	3.0	85					0.11	34.441	25.5			
<b>Geomean '04-'05</b>			<b>2.5</b>		<b>1.7</b>		<b>2.1</b>								<b>0.08</b>					
O4-4S-53m	7/21/05	904	0.06	1.9	0.17	2.4	0.28	3.9	3.1	86					0.09	34.693	27.4			
O4-4S-53m	10/13/05	839	0.05	1.5	0.01	0.1	0.18	2.5	2.3	63					0.14	34.900	27.2			
O4-4S-53m	3/14/06	930	0.10	3.1	0.11	1.5	0.33	4.6	6.1	172					0.09	34.847	24.5			
O4-4S-53m	5/17/06	858	0.09	2.8	0.11	1.5	0.05	0.7	1.3	37					0.09	34.682	24.6			
<b>Geomean '05-'06</b>			<b>2.2</b>		<b>0.9</b>		<b>2.4</b>								<b>0.10</b>					
O4-4S-53m	8/16/06	901	0.11	3.4	0.27	3.8	0.20	2.8	2.5	71					0.14	34.641	26.8			
O4-4S-53m	11/20/06	854	0.10	3.1	0.13	1.8	0.53	7.4	1.6	45					0.14	34.798	26.7			
O4-4S-53m	2/12/07	947	0.17	5.3	0.15	2.1	0.35	4.9	0.9	26					0.14	34.448	24.5			
O4-4S-53m	4/16/07	944	0.16	5.0	0.40	5.6	0.32	4.5	6.6	186					0.13	34.547	25.9			
<b>Geomean '06-'07</b>			<b>4.1</b>		<b>3.0</b>		<b>4.6</b>								<b>0.14</b>					
T4-100m	9/26/07	1211	0.15	4.8	0.14	2.0	0.10	1.4	5.2	147	0.47	14.5	5.8	81	0.08	34.977	26.8	8.21	6.62	0.09
T4-100m	12/14/07	913	0.08	2.4	0.01	0.1			3.7	104	0.30	9.3	7.0	98	0.07	34.729	25.7	8.22	6.59	0.17
T4-100m	3/11/08	922	0.35	10.9	0.33	4.6	0.06	0.8	6.5	182	0.14	4.2	7.3	102	0.08	34.826	24.7	8.08	6.48	0.38
T4-100m	6/9/08	1014	0.07	2.1	0.08	1.1	0.02	0.3	10.4	293	0.24	7.5	6.3	88	0.13	34.6992	25.8	8.11	5.7	0.1
<b>Geomean '07-'08</b>			<b>4.0</b>		<b>1.0</b>		<b>0.7</b>				<b>8.1</b>		<b>92</b>		<b>0.09</b>					<b>0.16</b>
T4-100m	9/23/08	1052	0.17	5.3	0.00	0.01	0.19	2.6	1.7	47	0.36	11.2	5.1	71	0.08	34.830	26.6	8.06	5.81	0.07
T4-100m	12/8/08	1000	0.15	4.7	0.24	3.4	0.13	1.8	2.6	73	0.40	12.4	5.6	78	0.07	34.967	26.2	8.28	5.15	0.06
T4-100m	2/10/09	856	0.09	2.9	0.29	4	0.12	1.7	2.0	56	0.23	7	7.6	107	0.15	35.100	24.7	8.05	6.10	0.03
T4-100m	6/30/09	941	0.24	7.3	0.24	3.3	0.12	1.7	4.2	117	0.38	11.9	5.2	72	0.17	34.899	26.7	8.19	5.88	0.1
<b>Geomean '08-'09</b>			<b>4.8</b>		<b>0.8</b>		<b>1.9</b>				<b>10.4</b>		<b>81</b>		<b>0.11</b>					<b>0.06</b>
T4-100m	9/10/09	929	0.16	5	0.09	1.2	0.03	0.4	13.7	385	0.40	12.5	6.2	87	0.08	35.22	27.4	8.21	5.86	0.18
T4-100m	11/24/09	917	0.03	0.8	0.21	3	0.15	2.1	2.1	59	0.36	11.3	5.2	73	0.04	35.27	25.2	8.25	6.47	0.14
T4-100m	2/24/10	949	0.15	4.8	0.22	3.1	0.39	5.5	3.3	92	0.36	11.0	6.8	95	0.06	35.09	24.6	8.23	5.47	0.17
T4-100m	5/25/10	930	0.01	0.2	0.06	0.9	0.51	7.2	1.8	51	0.23	7.2	6.7	94	0.04	34.93	25.0	8.20	6.84	0.08
<b>Geomean '09-'10</b>			<b>1.4</b>		<b>1.8</b>		<b>2.4</b>				<b>10.3</b>		<b>86</b>		<b>0.05</b>					<b>0.14</b>
T4-100m	8/11/10	926	0.01	0.4	0.06	0.9	0.01	0.2	1.6	46	0.29	9.1	2.8	39	0.06	34.97	26.01	8.23	6.56	0.14
T4-100m	11/9/10	923	0.04	1.3	0.11	1.5	0.04	0.5	1.1	30	0.43	13.2	3.9	55	0.07	34.88	26.04	8.28	6.26	0.01
T4-100m	1/11/11	1147	0.16	5.1	0.51	7.2	0.40	5.6	3.0	85	0.43	13.4	3.9	55	0.08	35.01	24.97	8.21	6.47	0.11
T4-100m	4/27/11	932	0.13	3.9	0.37	5.2	0.19	2.7	3.4	96	0.45	13.9	4.2	59	0.08	34.91	24.91	8.22	6.31	0.18
<b>Geomean '10-'11</b>			<b>1.8</b>		<b>2.7</b>		<b>1.1</b>				<b>12.2</b>		<b>51</b>		<b>0.07</b>					<b>0.07</b>

NELHA Water Quality Laboratory

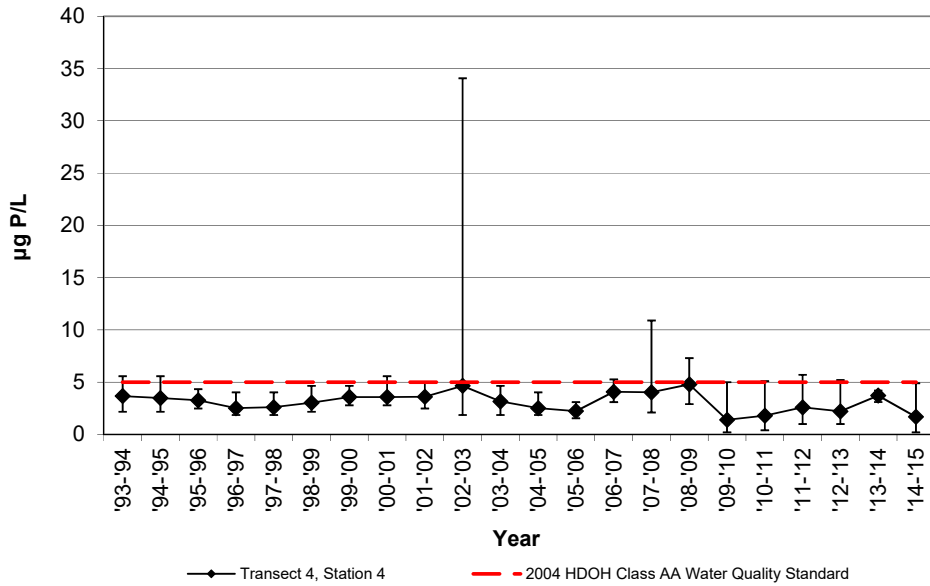
Transect 4, Station 4

July 1993 - June 2015

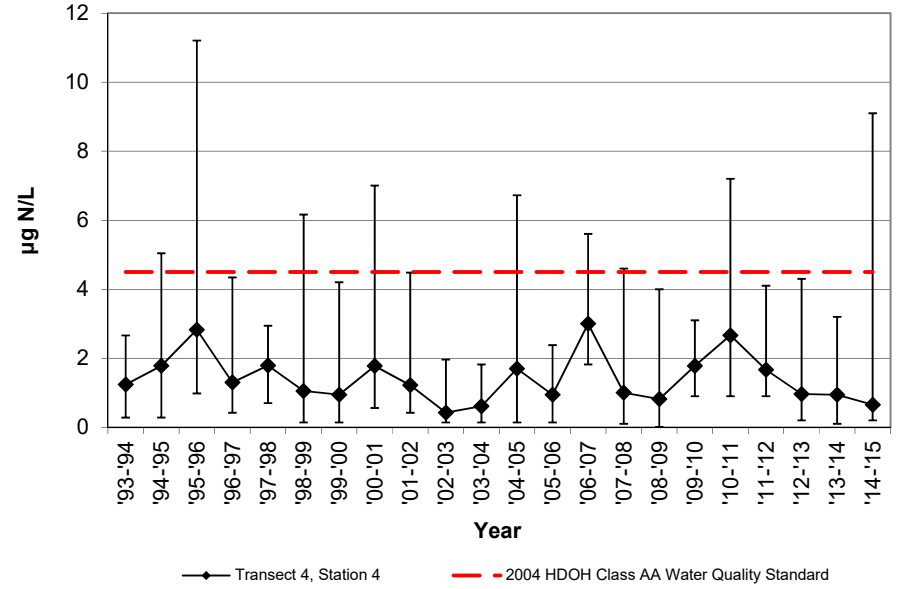
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (μM) (μg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (μM) (μg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (μg/L)	
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>						<b>0.30</b>
T4-100m	7/27/11	926	0.18	5.7	0.29	4.1	0.16	2.2	1.7	48	0.46	14.2	4.8	68	0.04	34.79	26.02	8.21	6.12	0.11	
T4-100m	10/19/11	953	0.03	1	0.06	0.9	0.04	0.6	1.8	50	0.48	14.9	4.6	64	0.03	35.10	26.49	8.24	7.07	0.08	
T4-100m	1/26/12	923	0.06	1.8	0.14	1.9	0.01	0.1	1.8	50	0.34	10.4	3.9	54	0.05	35.03	24.42	8.26	6.65	0.11	
T4-100m	4/25/12	938	0.14	4.4	0.08	1.1	0.22	3.1	0.8	23	0.44	13.5	5.0	69	0.03	34.88	24.86	8.18	6.77	0.04	
<b>Geomean</b>	<b>'11-'12</b>		<b>2.6</b>		<b>1.7</b>		<b>0.8</b>				<b>13.1</b>		<b>63</b>		<b>0.04</b>						<b>0.08</b>
T4-100m	7/25/13	934	0.03	1	0.14	2	0.49	6.9	1.4	38	0.37	11.5	5.8	81	0.09	35.10	26.40	8.23	6.75	0.08	
T4-100m	11/28/12	936	0.09	2.7	0.04	0.5	0.11	1.5	1.0	29	0.48	15	6.5	91	0.04	35.27	25.32	8.20	6.58	0.09	
T4-100m	1/24/13	920	0.05	1.7	0.01	0.2	0.05	0.7	1.2	34	0.46	14.1	3.9	54	0.06	35.10	24.80	8.23	6.43	0.05	
T4-100m	4/17/13	1037	0.17	5.2	0.31	4.3	0.15	2.1	1.2	32	1.18	36.7	5.5	77	0.02	35.17	25.00	8.20	6.56	0.09	
<b>Geomean</b>	<b>'12-'13</b>		<b>2.2</b>		<b>1.0</b>		<b>2.0</b>				<b>17.3</b>		<b>74</b>		<b>0.05</b>						<b>0.08</b>
T4-100m	8/6/13	946	0.11	3.5	0.01	0.1	0.20	2.8	0.5	15	0.36	11.3	5.3	74	0.02	35.21	26.6	8.27	7.01	0.05	
T4-100m	10/30/13	921	0.14	4.2	0.22	3.1	0.14	2.0	1.8	49	0.43	13.4	5.5	77	0.08	34.90	27.0	8.23	5.80	0.17	
T4-100m	2/5/14	941	0.14	4.2	0.23	3.2	0.24	3.3	2.5	70	0.46	14.3	5.4	75	0.02	34.94	25.1	8.20	6.28	0.12	
T4-100m	5/7/14	938	0.10	3.1	0.06	0.8	0.11	1.5	0.9	27	0.46	14.1	6.3	88	0.10	34.33	26.0	8.21	5.59	0.13	
<b>Geomean</b>	<b>'13-'14</b>		<b>3.7</b>		<b>0.9</b>		<b>2.3</b>				<b>13.2</b>		<b>79</b>		<b>0.04</b>						<b>0.11</b>
T4-100m	8/6/14	931	0.16	4.9	0.01	0.2	0.28	3.9	0.5	14	0.49	15.3	4.2	59	0.07	34.96	27.0	8.22	6.50	0.11	
T4-100m	12/4/14	1000	0.09	2.9	0.01	0.2	0.52	7.3	0.2	4	0.44	13.5	7.4	104	0.05	35.23	26.4	8.24	6.26	0.13	
T4-100m	3/5/15	952	0.01	0.2	0.04	0.5	0.26	3.6	0.1	4	0.31	9.5	5.3	74	0.09	34.69	25.4	8.24	6.89	0.11	
T4-100m	6/18/15	933	0.09	2.8	0.65	9.1	0.23	3.2	2.6	72	0.28	8.7	6.6	93	0.07	34.42	26.6	8.14	6.51	0.16	
<b>Geomean</b>	<b>'14-'15</b>		<b>1.7</b>		<b>0.7</b>		<b>4.3</b>				<b>11.4</b>		<b>81</b>		<b>0.07</b>						<b>0.13</b>
T4-100m	8/29/15	945	0.13	4.0	0.28	3.9	0.21	2.9	5.1	142	0.40	12.4	3.8	53	0.02	34.63	28.5	8.24	5.94	0.17	
T4-100m	11/18/15	1004	0.14	4.4	0.61	8.5	0.11	1.6	8.7	245	0.49	15.3	4.1	58	0.07	34.65	27.4	8.27	6.69	0.12	
T4-100m	3/2/16	851	0.14	4.2	0.26	3.6	0.31	4.3	0.8	23	0.46	14.1	3.1	44	0.09	34.69	25.2	8.23	5.87	0.12	
T4-100m	5/4/16	938	0.18	5.7	0.12	1.7	0.14	1.9	1.3	37	0.42	12.9	8.0	112	0.08	34.69	25.9	8.19	6.17	0.15	
<b>Geomean</b>	<b>'15-'16</b>		<b>4.5</b>		<b>3.8</b>		<b>2.5</b>				<b>13.6</b>		<b>62</b>		<b>0.06</b>						<b>0.14</b>

NELHA Water Quality Laboratory  
 Transect 4, Station 4  
 July 1993 - June 2015

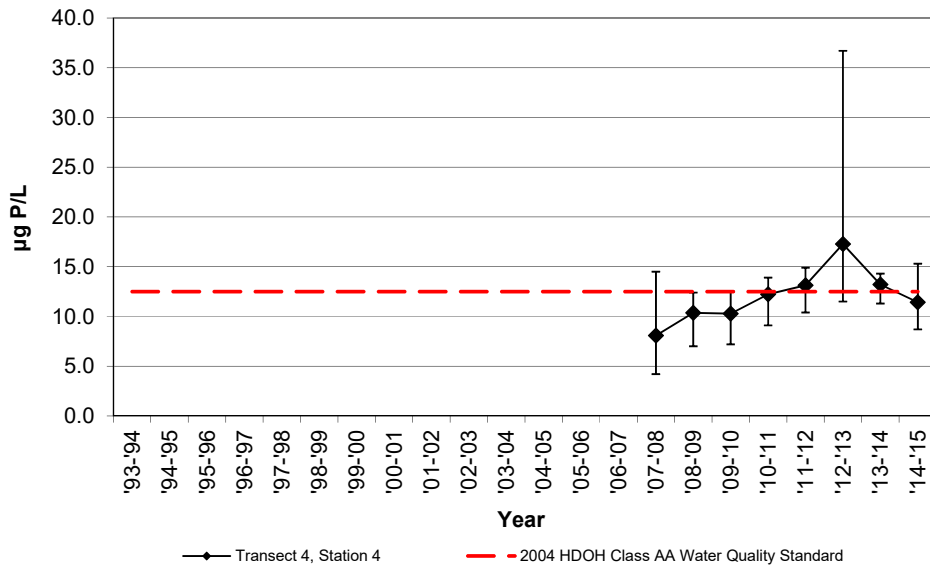
NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of Ortho-Phosphate



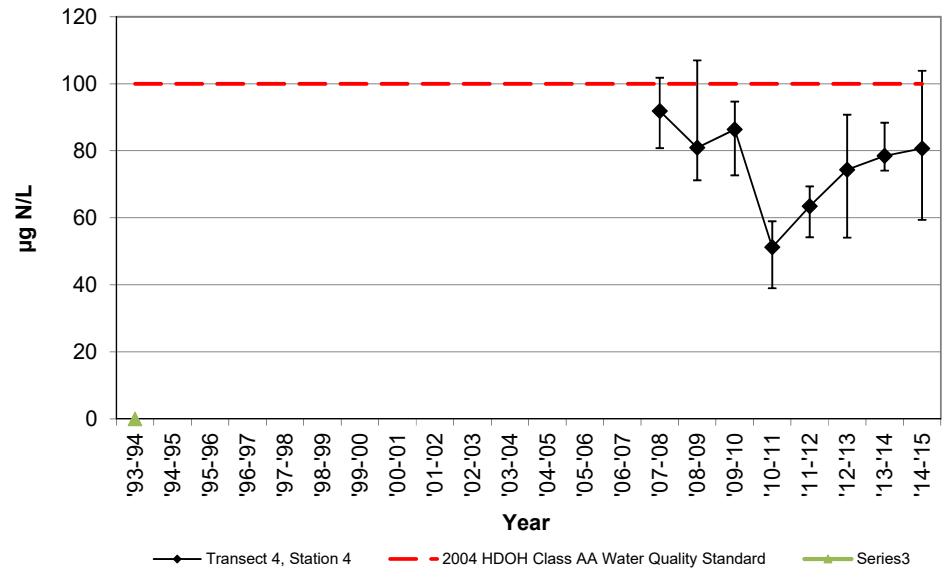
NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

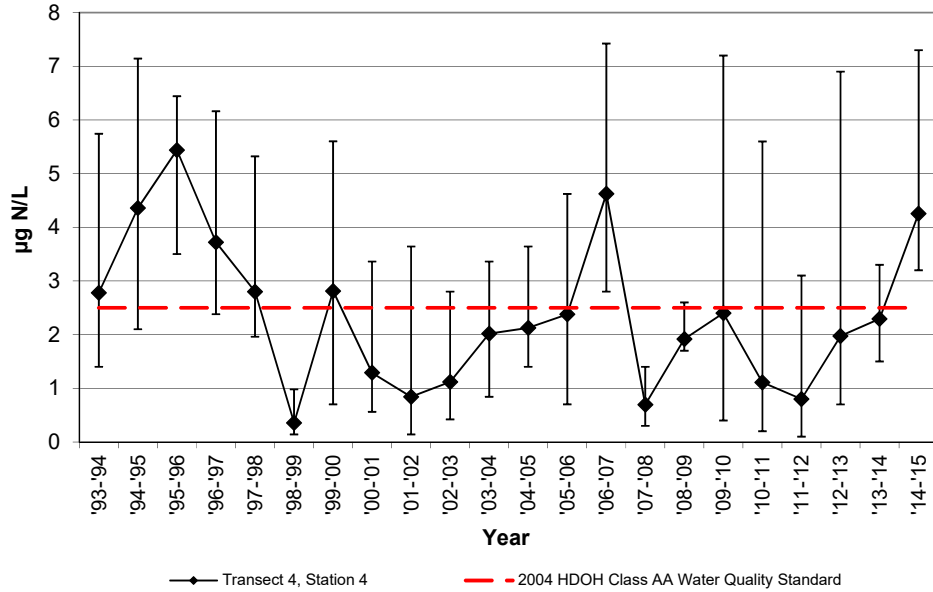


NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

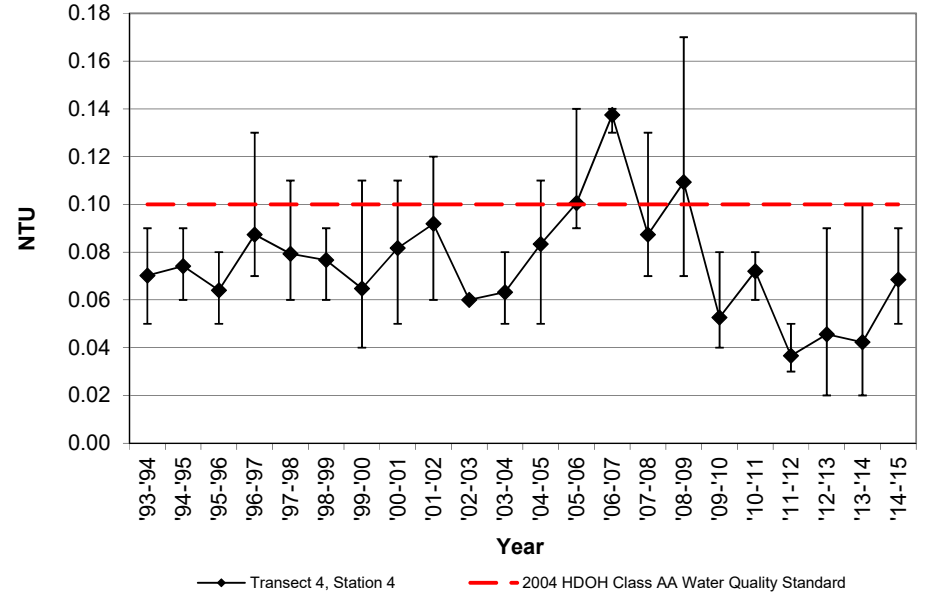


NELHA Water Quality Laboratory  
 Transect 4, Station 4  
 July 1993 - June 2015

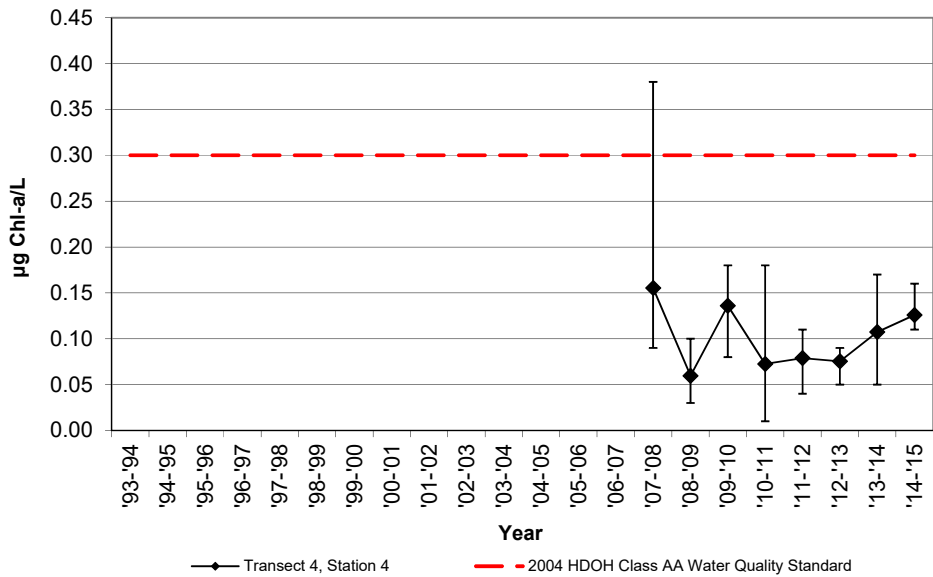
NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 4, Station 4  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 4, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O4-5S-69m	8/3/93	842	0.12	3.7	0.05	0.7	0.50	7.0	1.6	44					0.06	34.460	26.8			
O4-5S-69m	12/8/93	856	0.06	1.9	0.09	1.3	0.10	1.4	2.2	61					0.06	34.796	25.7			
O4-5S-69m	3/8/94	836	0.18	5.6	0.21	2.9	0.17	2.4	3.2	90					0.07	34.205	25.1			
O4-5S-69m	6/13/94	839	0.11	3.4	0.03	0.4	0.06	0.8	6.0	169					0.08	34.550	25.5			
<b>Geomean '93-'94</b>			<b>3.4</b>		<b>1.0</b>		<b>2.1</b>								<b>0.07</b>					
O4-5S-69m	9/15/94	842	0.07	2.2	0.06	0.8	0.14	2.0	2.5	69					0.08	34.633	27.8			
O4-5S-69m	11/15/94	802	0.14	4.3	0.52	7.3	0.62	8.7	5.2	146					0.08	34.545	26.0			
O4-5S-69m	3/22/95	1138	0.19	5.9	0.38	5.3	0.37	5.2	5.8	162					0.11	34.123	25.3			
O4-5S-69m	6/21/95	810	0.10	3.1	0.15	2.1	0.35	4.9	2.4	66					0.07	34.448	26.2			
<b>Geomean '94-'95</b>			<b>3.6</b>		<b>2.9</b>		<b>4.6</b>								<b>0.08</b>					
O4-5S-69m	9/28/95	1026	0.10	3.1	0.07	1.0	0.46	6.4	1.9	53					0.07	34.615	27.4			
O4-5S-69m	11/14/95	811	0.10	3.1	0.06	0.8	0.46	6.4	1.9	53					0.06	34.361	26.7			
O4-5S-69m	3/12/96	850	0.14	4.3	0.22	3.1	0.48	6.7	2.9	81					0.15	34.174	25.0			
O4-5S-69m	5/14/96	824	0.15	4.6	0.51	7.1	0.27	3.8	4.0	113					0.08	34.265	26.9			
<b>Geomean '95-'96</b>			<b>3.7</b>		<b>2.1</b>		<b>5.7</b>								<b>0.08</b>					
O4-5S-69m	7/31/96	842	0.08	2.5	0.23	3.2	0.37	5.2	8.0	225					0.08	34.410	27.8			
O4-5S-69m	10/2/96	837	0.05	1.5	0.01	0.1	0.18	2.5	2.8	79					0.08	34.641	27.9			
O4-5S-69m	1/7/97	852	0.08	2.5	0.17	2.4	0.20	2.8	2.7	76					0.09	34.718	25.4			
O4-5S-69m	4/28/97	905	0.17	5.3	0.21	2.9	0.40	5.6	9.1	256					0.12	34.411	26.8			
<b>Geomean '96-'97</b>			<b>2.7</b>		<b>1.3</b>		<b>3.8</b>								<b>0.09</b>					
O4-5S-69m	8/19/97	857	0.05	1.5	0.04	0.6	0.20	2.8	2.9	81					0.08	34.663	27.2			
O4-5S-69m	10/7/97	1132	0.12	3.7	0.08	1.1	0.44	6.2	2.9	83					0.11	34.752	27.8			
O4-5S-69m	3/4/98	857	0.08	2.5	0.07	1.0	0.16	2.2	4.2	118					0.06	35.023	25.0			
O4-5S-69m	5/5/98	905	0.09	2.8	0.14	2.0	0.15	2.1	3.2	90					0.08	35.062	24.1			
<b>Geomean '97-'98</b>			<b>2.5</b>		<b>1.0</b>		<b>3.0</b>								<b>0.08</b>					
O4-5S-69m	7/7/98	923	0.11	3.4	0.30	4.2	0.01	0.1	6.5	183					0.07	34.962	26.4			
O4-5S-69m	10/6/98	841	0.09	2.8	0.01	0.1	0.01	0.1	1.5	43					0.09	35.122	26.9			
O4-5S-69m	1/19/99	902	0.07	2.2	0.02	0.3	0.05	0.7	2.5	69					0.08	35.134	25.1			
O4-5S-69m	4/13/99	954	0.14	4.3	0.31	4.3	0.10	1.4	5.5	154					0.08	34.633	24.3			
<b>Geomean '98-'99</b>			<b>3.1</b>		<b>0.9</b>		<b>0.4</b>								<b>0.08</b>					
O4-5S-69m	8/16/99	915	0.11	3.4	0.18	2.5	0.45	6.3	1.7	49					0.10	34.867	26.1			
O4-5S-69m	10/25/99	1015	0.09	2.8	0.02	0.3	0.28	3.9	5.4	151					0.08	34.963	26.1			
O4-5S-69m	1/12/00	925	0.11	3.4	0.04	0.6	0.27	3.8	2.1	59					0.09	35.132	24.8			
O4-5S-69m	5/16/00	857	0.14	4.3	0.36	5.0	0.05	0.7	5.1	142					0.08	34.628	25.2			
<b>Geomean '99-'00</b>			<b>3.4</b>		<b>1.2</b>		<b>2.8</b>								<b>0.09</b>					
O4-5S-69m	7/25/00	925	0.10	3.1	0.09	1.3	0.05	0.7	15.0	421					0.06	34.871	26.7			
O4-5S-69m	10/31/00	917	0.09	2.8	0.03	0.4	0.22	3.1	2.3	64					0.10	34.962	27.0			
O4-5S-69m	3/6/01	909	0.18	5.6	0.42	5.9	0.08	1.1	3.7	104					0.09	34.702	24.8			
O4-5S-69m	5/8/01	1008	0.14	4.3	0.22	3.1	0.13	1.8	4.7	131					0.07	34.752	24.9			
<b>Geomean '00-'01</b>			<b>3.8</b>		<b>1.8</b>		<b>1.4</b>								<b>0.08</b>					
O4-5S-69m	8/13/01	1016	0.08	2.5	0.03	0.4	0.32	4.5	7.7	217					0.09	34.882	26.5			
O4-5S-69m	10/30/01	920	0.11	3.4	0.02	0.3	0.03	0.4	1.7	48					0.11	35.028	26.8			
O4-5S-69m	3/4/02	945	0.12	3.7	0.08	1.1	0.01	0.1	3.3	92					0.08	34.668	24.2			
O4-5S-69m	4/16/02	945	0.17	5.3	0.40	5.6	0.27	3.8	9.7	271					0.07	34.375	25.6			
<b>Geomean '01-'02</b>			<b>3.6</b>		<b>0.9</b>		<b>1.0</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 4, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O4-5S-69m	7/9/02	1058	0.09	2.8	0.01	0.1	0.16	2.2	4.3	119					0.07	34.658	26.7			
O4-5S-69m	10/7/02	940	0.07	2.2	0.02	0.3	0.20	2.8	2.2	60					0.05	34.939	27.0			
O4-5S-69m	3/10/03	1059	0.08	2.5	0.10	1.4	0.03	0.4	3.1	87					0.06	34.790	24.9			
O4-5S-69m	4/22/03	942	0.07	2.2	0.03	0.4	0.05	0.7	3.1	88					0.08	35.016	24.8			
<b>Geomean '02-'03</b>			<b>2.4</b>		<b>0.4</b>		<b>1.2</b>								<b>0.06</b>					
O4-5S-69m	8/19/03	1051	0.07	2.2	0.01	0.1	0.20	2.8	1.6	44					0.06	34.838	28.2			
O4-5S-69m	10/30/03	912	0.10	3.1	0.10	1.4	0.20	2.8	1.9	54					0.13	34.824	27.5			
O4-5S-69m	3/17/04	1003	0.11	3.4	0.04	0.6	0.21	2.9	1.4	39					n/a	34.354	26.0			
O4-5S-69m	5/24/04	925	0.15	4.6	0.18	2.5	0.09	1.3	3.2	88					n/a	33.37	26.8			
<b>Geomean '03-'04</b>			<b>3.2</b>		<b>0.7</b>		<b>2.3</b>								<b>0.09</b>					
O4-5S-69m	9/22/04	950	0.06	1.9	0.01	0.1	0.26	3.6	1.4	38					0.06	33.80	27.7			
O4-5S-69m	11/29/04	910	0.07	2.2	0.10	1.4	0.12	1.7	1.2	32					0.05	33.79	26.9			
O4-5S-69m	1/24/05	943	0.05	1.5	0.07	1.0	0.14	2.0	2.3	65					0.09	34.849	25.6			
O4-5S-69m	4/13/05	942	0.13	4.0	0.36	5.0	0.17	2.4	2.8	79					0.13	34.436	25.6			
<b>Geomean '04-'05</b>			<b>2.2</b>		<b>1.0</b>		<b>2.3</b>								<b>0.08</b>					
O4-5S-69m	7/21/05	858	0.05	1.5	0.03	0.4	0.37	5.2	3.3	92					0.08	34.711	27.4			
O4-5S-69m	10/13/05	830	0.08	2.5	0.13	1.8	0.18	2.5	3.3	92					0.14	34.863	27.4			
O4-5S-69m	3/14/06	922	0.09	2.8	0.07	1.0	0.33	4.6	1.6	45					0.10	34.849	24.5			
O4-5S-69m	5/17/06	851	0.10	3.1	0.09	1.3	0.09	1.3	1.3	36					0.08	34.615	24.8			
<b>Geomean '05-'06</b>			<b>2.4</b>		<b>1.0</b>		<b>3.0</b>								<b>0.10</b>					
O4-5S-69m	8/16/06	854	0.09	2.8	0.22	3.1	0.16	2.2	2.8	79					0.17	34.632	26.8			
O4-5S-69m	11/20/06	848	0.10	3.1	0.13	1.8	0.51	7.1	1.6	45					0.09	34.811	26.6			
O4-5S-69m	2/12/07	939	0.18	5.6	0.14	2.0	0.35	4.9	0.7	21					0.12	34.437	24.8			
O4-5S-69m	4/16/07	935	0.18	5.6	1.46	20.4	0.46	6.4	10.4	292					0.20	34.415	26.5			
<b>Geomean '06-'07</b>			<b>4.0</b>		<b>3.9</b>		<b>4.7</b>								<b>0.14</b>					
T4-500m	9/26/07	1220	0.15	4.6	0.01	0.1	0.16	2.2	2.3	66	0.01	0.3	5.9	83	0.05	34.975	26.9	8.17	6.26	0.06
T4-500m	12/14/07	818	0.08	2.6	0.01	0.1			2.3	66	0.34	10.6	6.4	89	0.08	34.747	25.8	8.23	6.59	0.09
T4-500m	3/11/08	928	0.03	0.8	0.14	1.9	0.06	0.8	8.3	232	0.07	2.2	6.8	95	0.12	34.867	24.8	8.1	6.54	0.36
T4-500m	6/9/08	1008	0.07	2.3	0.06	0.8	0.74	10.4	6.7	189	0.10	3.1	7.6	106	0.15	34.7106	25.8	8.11	5.66	0.17
<b>Geomean '07-'08</b>			<b>2.2</b>		<b>0.4</b>		<b>2.6</b>					<b>2.2</b>	<b>93</b>		<b>0.09</b>					<b>0.13</b>
T4-500m	9/23/08	1100	0.03	0.9	0.00	0.01	0.18	2.5	1.1	30	0.16	5.1	4.7	66	0.06	34.833	26.7	8.07	6.07	0.03
T4-500m	12/8/08	1008	0.14	4.3	0.04	0.6	0.09	1.2	1.9	54	0.21	6.6	4.7	66	0.06	34.982	26.2	8.30	5.07	0.04
T4-500m	2/10/09	903	0.08	2.4	0.10	1.4	0.12	1.7	2.0	56	0.24	7.3	6.5	90	0.08	35.096	24.7	8.07	6.08	0.03
T4-500m	6/30/09	951	0.26	7.9	0.39	5.5	0.56	7.9	5.1	144	0.37	11.4	4.4	62	0.05	34.908	26.8	8.20	5.82	0.1
<b>Geomean '08-'09</b>			<b>2.9</b>		<b>0.5</b>		<b>2.5</b>					<b>7.3</b>	<b>70</b>		<b>0.06</b>					<b>0.04</b>
T4-500m	9/10/09	942	0.12	3.6	0.06	0.8	0.69	9.7	47.4	1330	0.37	11.5	5.5	77	0.07	35.24	27.5	8.22	5.56	0.1
T4-500m	11/24/09	924	0.03	0.8	0.03	0.4	0.11	1.6	2.3	66	0.33	10.2	4.4	61	0.03	35.27	25.2	8.23	6.51	0.11
T4-500m	2/24/10	956	0.12	3.7	0.01	0.2	0.35	4.9	1.9	54	0.29	8.9	3.4	48	0.05	35.12	24.7	8.20	5.48	0.17
T4-500m	5/25/10	939	0.01	0.2	0.05	0.7	0.08	1.1	1.5	42	0.28	8.6	5.9	82	0.05	35.01	24.9	8.21	6.62	0.08
<b>Geomean '09-'10</b>			<b>1.2</b>		<b>0.5</b>		<b>3.0</b>					<b>9.7</b>	<b>66</b>		<b>0.05</b>					<b>0.11</b>
T4-500m	8/11/10	934	0.02	0.6	0.02	0.3	0.01	0.1	1.9	53	0.30	9.4	2.7	38	0.05	34.96	26.21	8.23	6.61	0.16
T4-500m	11/9/10	929	0.01	0.3	0.08	1.1	0.11	1.5	3.1	86	0.38	11.8	2.2	32	0.07	34.98	26.54	8.28	6.31	0.02
T4-500m	1/11/11	1155	0.12	3.6	0.01	0.2	0.27	3.8	3.5	97	0.41	12.7	2.9	41	0.04	35.04	25.12	8.21	6.34	0.13
T4-500m	4/27/11	940	0.09	2.8	0.34	4.8	0.11	1.5	4.8	134	0.44	13.7	3.9	55	0.09	34.85	25.03	8.22	6.13	0.14
<b>Geomean '10-'11</b>			<b>1.2</b>		<b>0.8</b>		<b>1.0</b>					<b>11.8</b>	<b>41</b>		<b>0.06</b>					<b>0.09</b>

NELHA Water Quality Laboratory

Transect 4, Station 5

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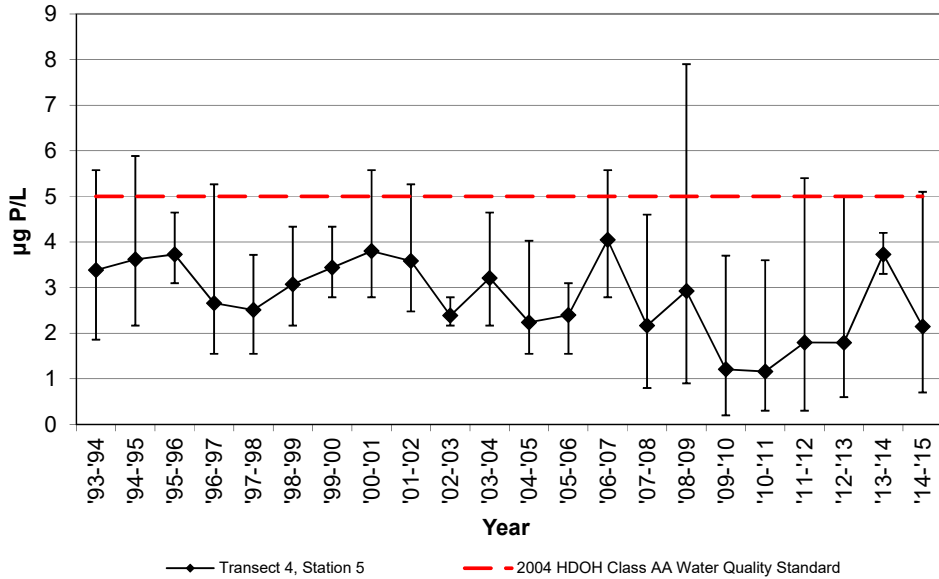
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (PSU)	Temp. (°C)	pH (unit)	DO (ppm)	Chl a (µg/L)	
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>						<b>0.30</b>
T4-500m	7/27/11	936	0.17	5.4	0.26	3.6	0.18	2.5	1.9	52	0.49	15.3	5.9	83	0.05	34.80	25.91	8.22	6.23	0.13	
T4-500m	10/19/11	1001	0.01	0.3	0.04	0.5	0.04	0.5	2.1	60	0.34	10.6	4.5	64	0.08	35.10	26.61	8.25	7.01	0.11	
T4-500m	1/26/12	930	0.05	1.4	0.04	0.6	0.02	0.3	1.3	36	0.40	12.3	6.2	87	0.02	35.06	24.59	8.25	6.63	0.10	
T4-500m	4/25/12	944	0.15	4.6	0.15	2.1	0.26	3.6	1.9	53	0.54	16.8	9.2	128	0.11	34.82	24.88	8.19	6.71	0.04	
<b>Geomean</b>	<b>'11-'12</b>		<b>1.8</b>		<b>1.2</b>		<b>1.1</b>				<b>13.5</b>		<b>88</b>		<b>0.05</b>						<b>0.09</b>
T4-500m	7/25/13	941	0.02	0.6	0.21	2.9	0.26	3.7	2.7	75	0.36	11.1	4.9	69	0.07	35.06	26.37	8.24	6.78	0.11	
T4-500m	11/28/12	943	0.07	2.3	0.03	0.4	0.21	2.9	4.0	114	0.42	13	5.9	82	0.06	35.29	25.47	8.21	6.79	0.05	
T4-500m	1/24/13	929	0.05	1.5	0.01	0.1	0.04	0.5	1.1	30	0.61	18.9	4.8	67	0.04	35.10	24.69	8.22	6.33	0.09	
T4-500m	4/17/13	1045	0.16	5	0.15	2.1	0.20	2.8	0.8	22	0.61	18.8	5.0	70	0.02	35.12	25.13	8.20	6.56	0.05	
<b>Geomean</b>	<b>'12-'13</b>		<b>1.8</b>		<b>0.7</b>		<b>2.0</b>				<b>15.0</b>		<b>72</b>		<b>0.04</b>						<b>0.07</b>
T4-500m	8/6/13	949	0.11	3.4	0.01	0.1	0.08	1.2	0.5	14	0.34	10.4	5.5	77	0.05	35.20	26.9	8.27	6.99	0.08	
T4-500m	10/30/13	927	0.13	4.1	0.06	0.8	0.15	2.1	1.1	31	0.52	16.1	5.9	83	0.02	34.91	27.1	8.23	5.97	0.23	
T4-500m	2/5/14	947	0.14	4.2	0.09	1.2	0.59	8.3	1.4	41	0.46	14.3	5.9	82	0.02	34.97	25.2	8.20	6.20	0.13	
T4-500m	5/7/14	946	0.11	3.3	0.05	0.7	0.21	2.9	1.2	33	0.52	16.0	7.2	101	0.03	34.80	25.9	8.21	5.60	0.11	
<b>Geomean</b>	<b>'13-'14</b>		<b>3.7</b>		<b>0.5</b>		<b>2.8</b>				<b>14.0</b>		<b>85</b>		<b>0.03</b>						<b>0.13</b>
T4-500m	8/6/14	938	0.16	5.1	0.02	0.3	0.36	5.0	0.4	12	0.48	15.0	4.9	69	0.04	35.01	27.0	8.22	6.43	0.07	
T4-500m	12/4/14	1008	0.09	2.7	0.01	0.2	0.38	5.3	0.0	0	0.25	7.8	6.3	88	0.11	35.25	26.5	8.24	6.35	0.10	
T4-500m	3/5/15	959	0.02	0.7	0.01	0.1	0.18	2.5	0.1	4	0.30	9.2	5.1	72	0.07	34.73	25.4	8.24	6.84	0.08	
T4-500m	6/18/15	940	0.07	2.2	0.21	2.9	0.26	3.6	1.9	53	0.28	8.6	5.4	76	0.06	34.48	26.9	8.14	6.40	0.08	
<b>Geomean</b>	<b>'14-'15</b>		<b>2.1</b>		<b>0.4</b>		<b>3.9</b>				<b>9.8</b>		<b>76</b>		<b>0.07</b>						<b>0.08</b>
T4-500m	8/29/15	951	0.12	3.7	0.03	0.4	0.18	2.5	1.1	31	0.39	12.2	4.8	67	0.03	34.65	28.6	8.24	5.91	0.14	
T4-500m	11/18/15	1050	0.10	3.2	0.44	6.1	0.26	3.7	3.3	93	0.48	15.0	4.3	61	0.04	34.55	27.2	8.22	6.68	0.06	
T4-500m	3/2/16	859	0.13	3.9	0.23	3.2	0.38	5.3	0.9	26	0.45	13.9	4.1	58	0.06	34.76	25.3	8.24	5.74	0.10	
T4-500m	5/4/16	950	0.13	4.1	0.01	0.2	0.23	3.2	0.2	4	0.41	12.6	6.4	90	0.08	34.67	26.0	8.19	6.40	0.13	
<b>Geomean</b>	<b>'15-'16</b>		<b>3.7</b>		<b>1.1</b>		<b>3.5</b>				<b>13.4</b>		<b>68</b>		<b>0.05</b>						<b>0.10</b>

NELHA Water Quality Laboratory

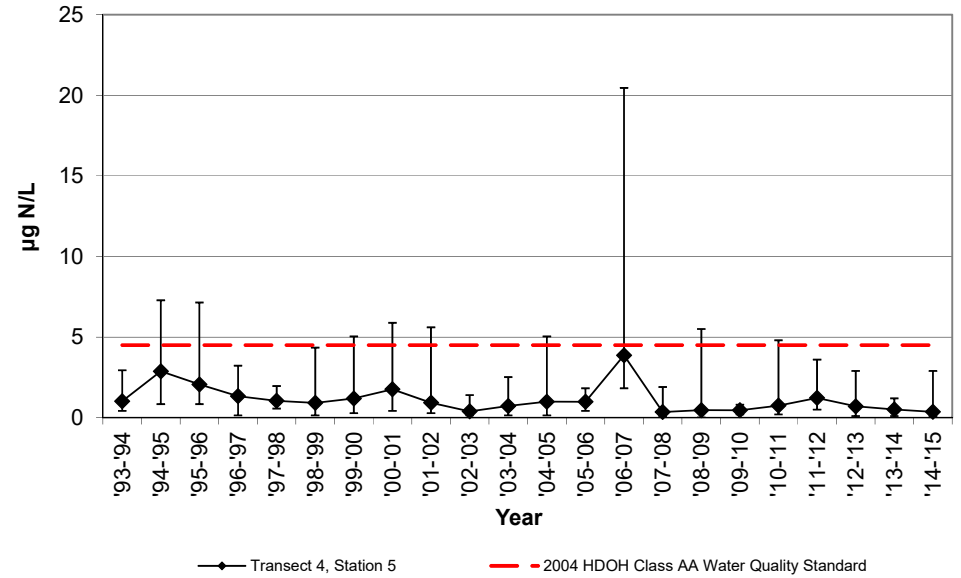
Transect 4, Station 5

July 1993 - June 2015

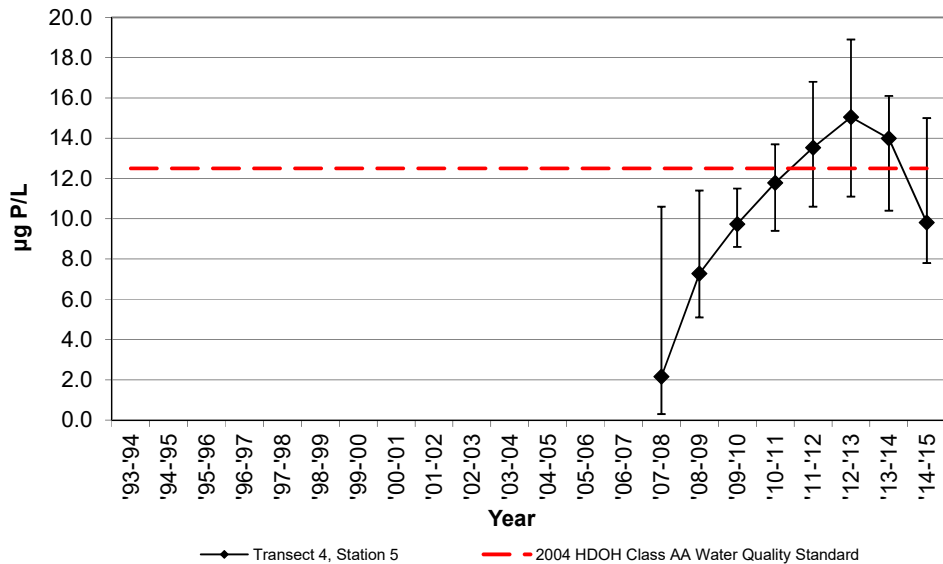
**NELHA Offshore Transect 4, Station 5**  
Yearly Geometric Mean of Ortho-Phosphate



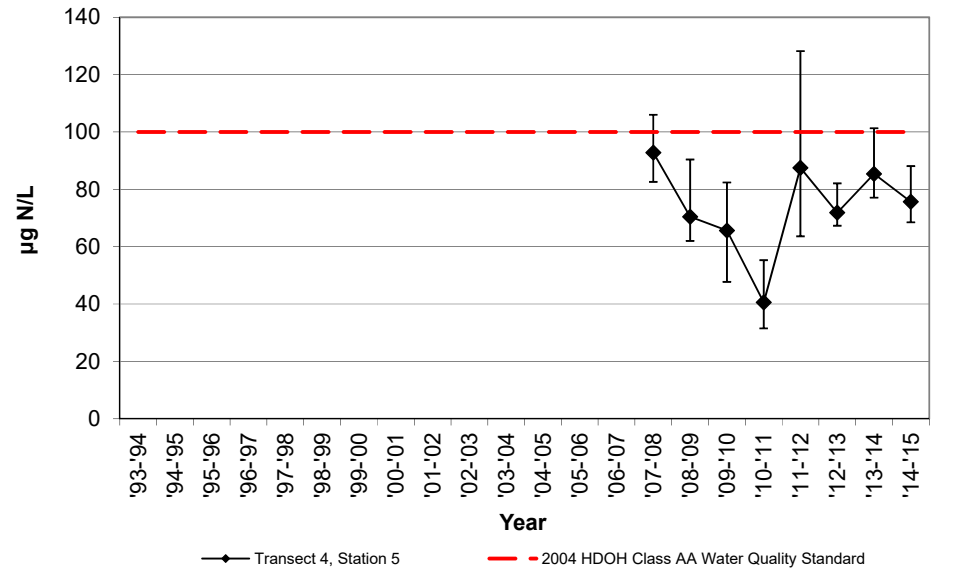
**NELHA Offshore Transect 4, Station 5**  
Yearly Geometric Mean of Nitrate + Nitrite



**NELHA Offshore Transect 4, Station 5**  
Yearly Geometric Mean of  
Total Dissolved Phosphorous



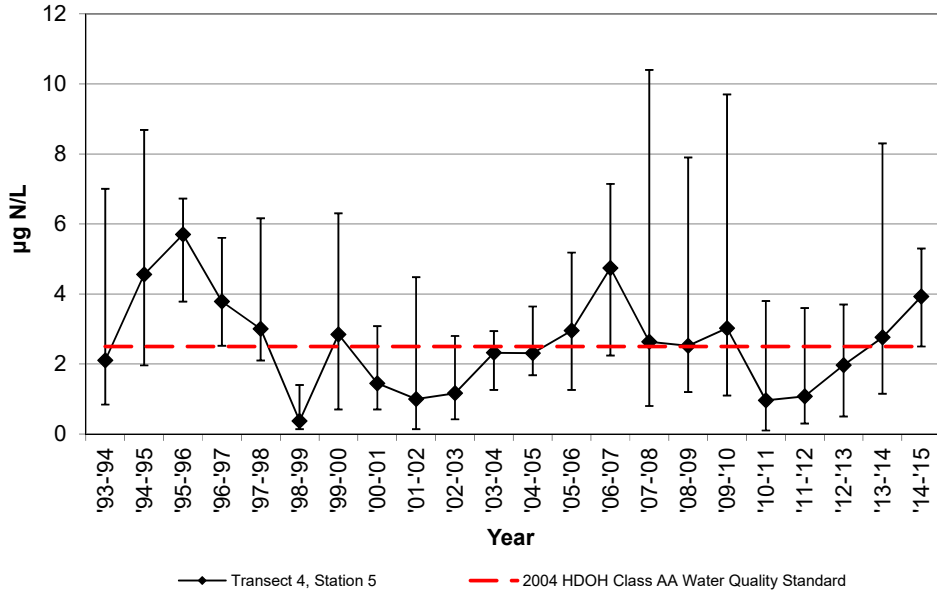
**NELHA Offshore Transect 4, Station 5**  
Yearly Geometric Mean of  
Total Dissolved Nitrogen



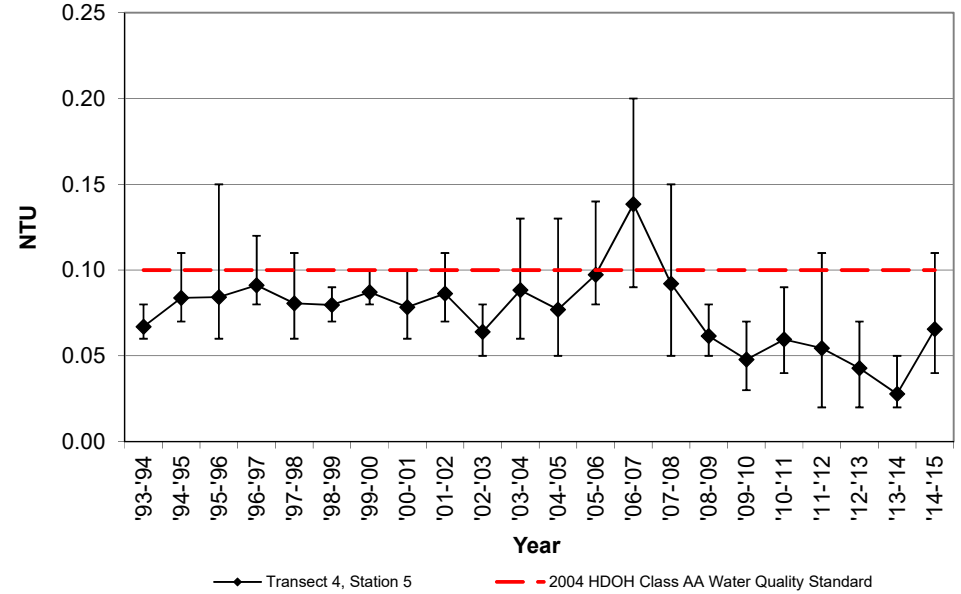


NELHA Water Quality Laboratory  
 Transect 4, Station 5  
 July 1993 - June 2015

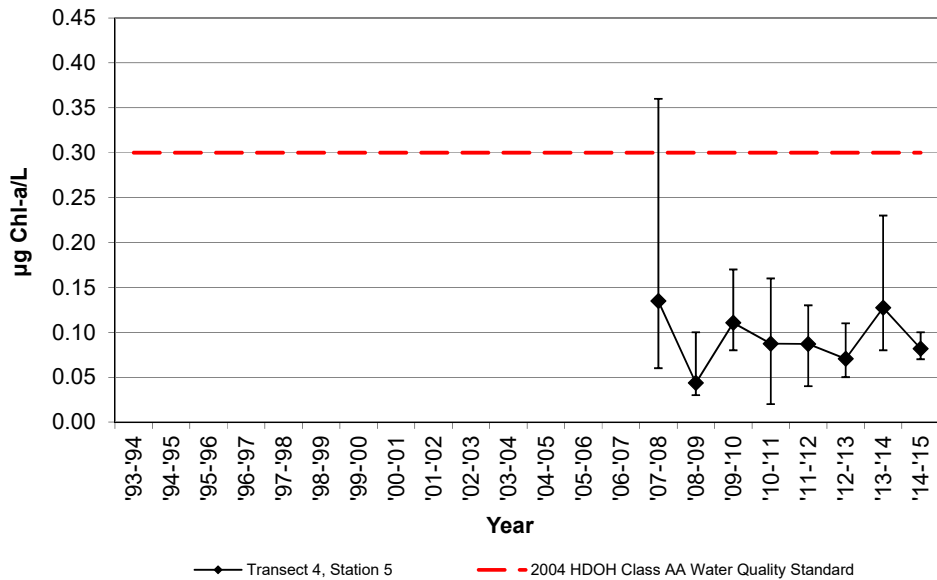
NELHA Offshore Transect 4, Station 5  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 4, Station 5  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 4, Station 5  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

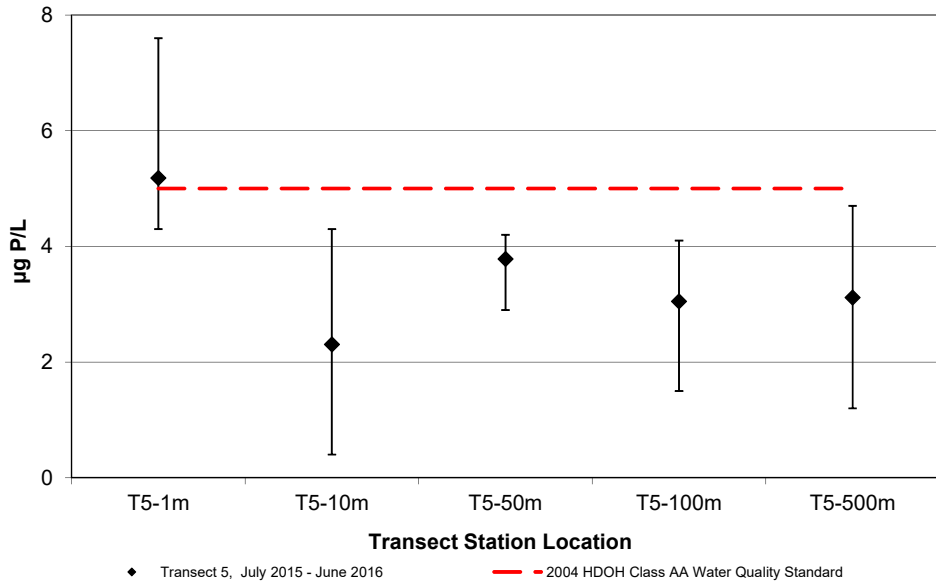
Transect 5

July 2015 - June 2016

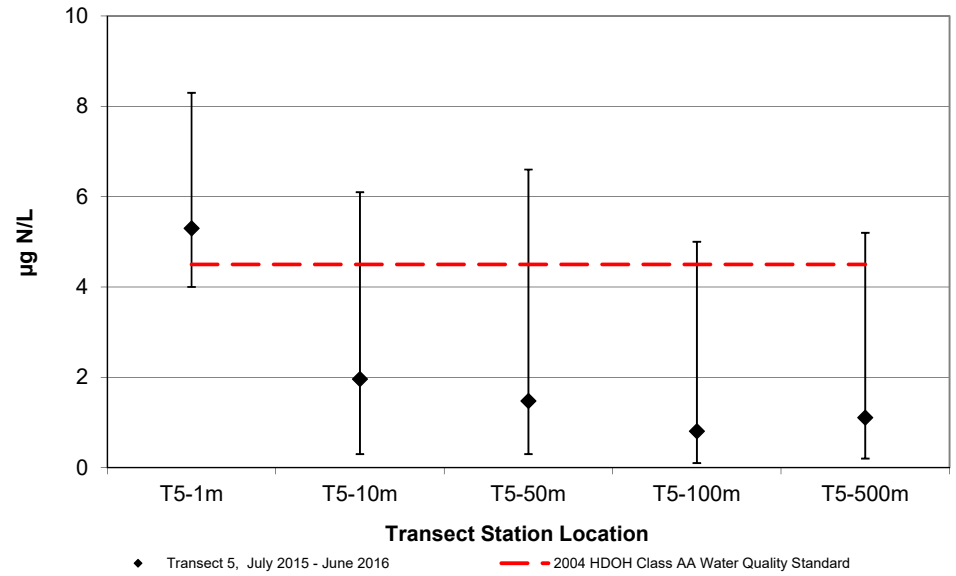
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
				(µM)	(µg P/L)	(µM)	(µg N/L)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

NELHA Water Quality Laboratory  
 Transect 5  
 July 2015 - June 2016

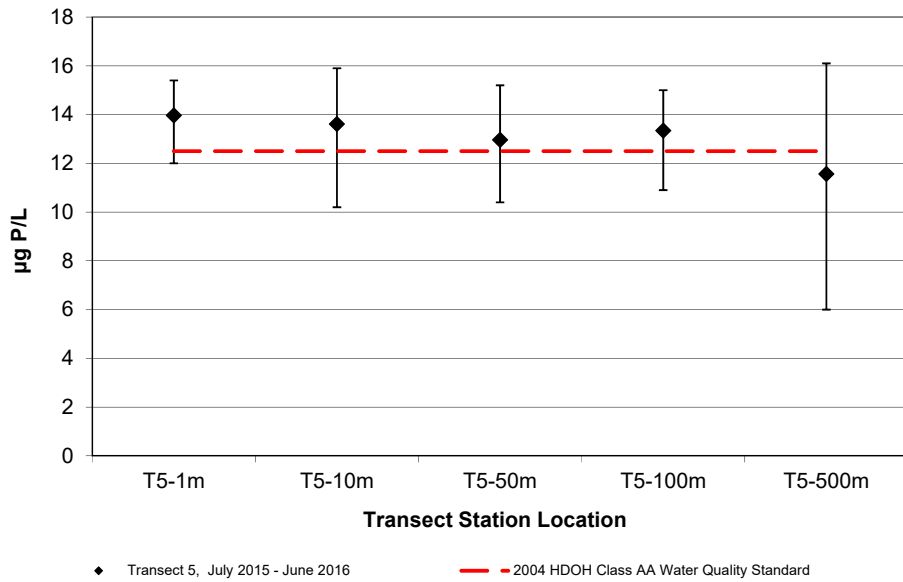
**Transect 5 Station Summary**  
 Ortho-Phosphate Geometric Mean



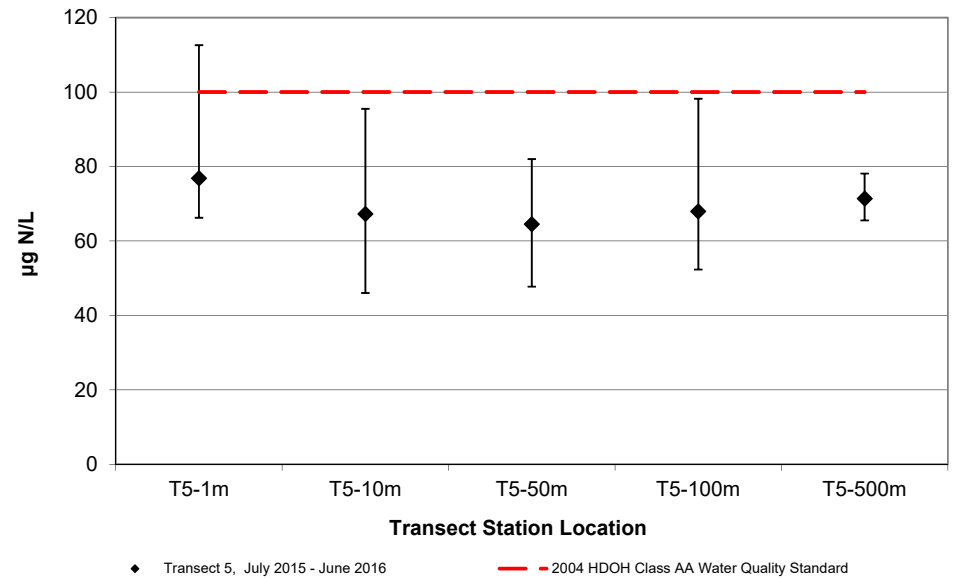
**Transect 5 Station Summary**  
 Nitrate + Nitrite Geometric Mean



**Transect 5 Station Summary**  
 Total Dissolved Phosphorous Geometric Mean



**Transect 5 Station Summary**  
 Total Dissolved Nitrogen Geometric Mean

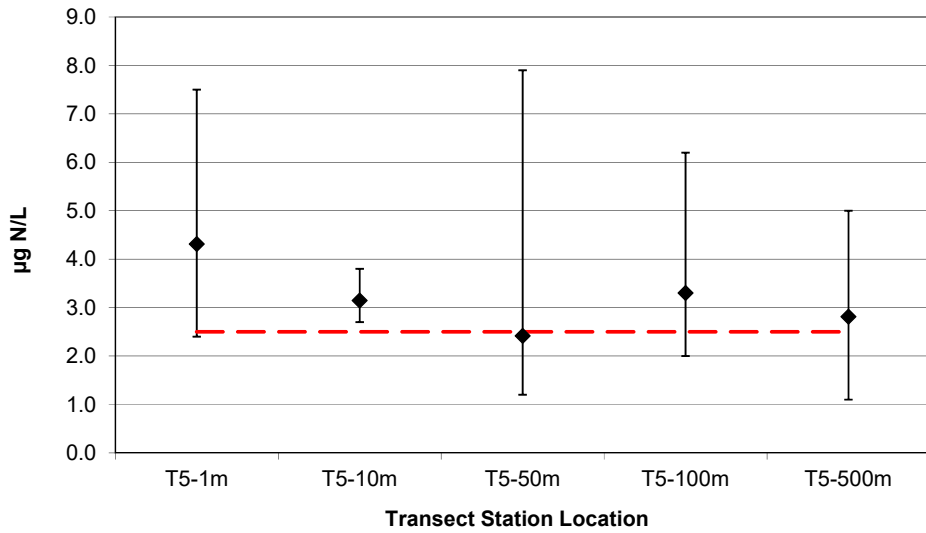


NELHA Water Quality Laboratory

Transect 5

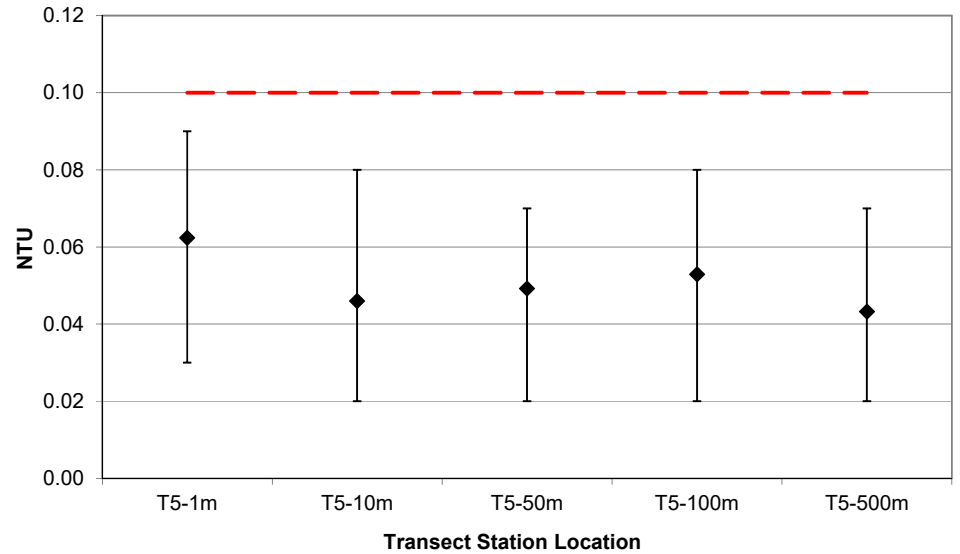
July 2015 - June 2016

Transect 5 Station Summary  
Total Ammonia Geometric Mean



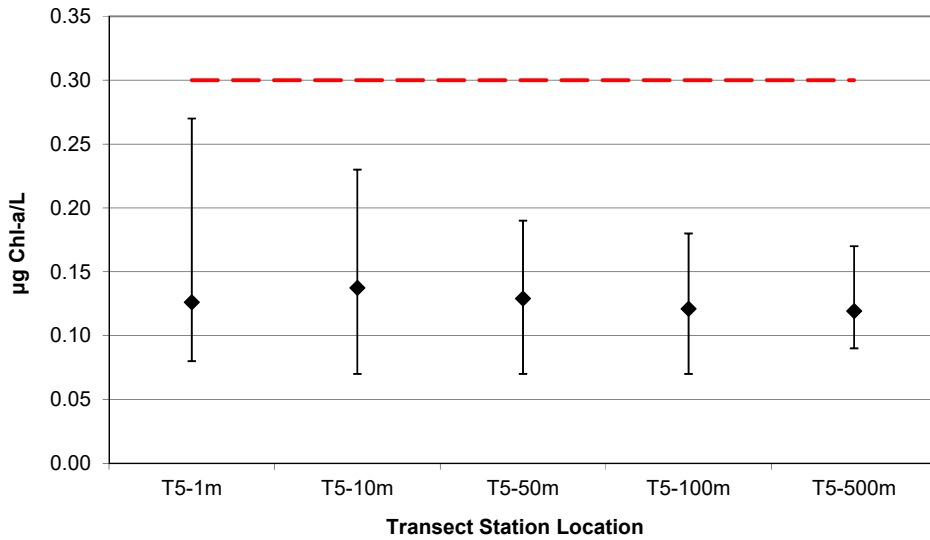
◆ Transect 5, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary  
Turbidity Geometric Mean



◆ Transect 5, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 5 Station Summary  
Chlorophyll-a Geometric Mean



◆ Transect 5, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard





NELHA Water Quality Laboratory

Transect 5, Station 1

July 1993 - June 2015

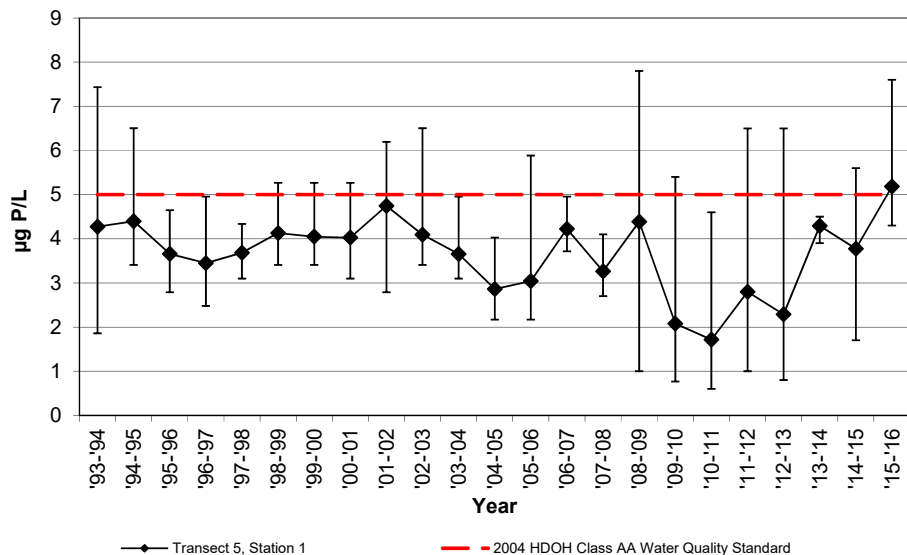
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (μM) (μg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (μM) (μg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		TP (μM) (μg P/L)		TOC (mgC/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml	
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>						<b>0.10</b>					<b>0.30</b>		
T5-1m	7/27/11	1031	0.19	5.9	0.40	5.6	0.22	3.1	1.7	48	0.54	16.7	5.5	77					0.13	34.79	25.98	8.22	6.47	0.08		
T5-1m	10/19/11	1009	0.03	1	0.20	2.8	0.13	1.8	1.7	48	0.36	11.1	5.2	73					0.04	35.12	26.52	8.26	7.26	0.08		
T5-1m	1/26/12	940	0.05	1.6	0.18	2.5	0.01	0.2	2.2	62	0.44	13.6	6.2	87					0.05	35.01	24.46	8.20	6.74	0.10		
T5-1m	4/25/12	1009	0.21	6.5	0.47	6.6	0.46	6.4	2.2	62	0.54	16.8	8.5	120					0.05	34.83	24.82	8.20	6.83	0.10		
<b>Geomean</b>	<b>'11-'12</b>		<b>2.8</b>		<b>4.0</b>		<b>1.6</b>				<b>14.3</b>		<b>87</b>						<b>0.06</b>					<b>0.09</b>		
T5-1m	7/25/12	951	0.03	0.8	0.24	3.4	0.26	3.6	1.3	36	0.40	12.5	6.3	88					0.08	35.12	26.35	8.24	6.88	0.10		
T5-1m	11/28/12	951	0.07	2.2	0.51	7.2	0.18	2.5	3.7	103	0.68	21.1	8.6	121					0.03	35.18	25.24	8.20	6.68	0.05		
T5-1m	1/24/13	939	0.08	2.4	0.39	5.4	0.19	2.7	2.2	63	0.60	18.5	5.3	74					0.04	35.06	24.76	8.22	6.36	0.21		
T5-1m	4/17/13	1053	0.21	6.5	0.93	13	0.15	2.1	5.3	149	0.62	19.3	6.3	88					0.05	35.03	25.17	8.21	6.87	0.10		
<b>Geomean</b>	<b>'12-'13</b>		<b>2.3</b>		<b>6.4</b>		<b>2.7</b>				<b>17.5</b>		<b>91</b>						<b>0.05</b>					<b>0.10</b>		
T5-1m	8/6/13	1029	0.14	4.4	2.11	29.5	0.36	5.0	14.6	409	0.67	20.7	5.9	82					0.03	34.81	26.3	8.28	7.07	0.08		
T5-1m	10/30/13	935	0.14	4.4	0.34	4.8	0.19	2.7	2.5	69	0.46	14.3	4.6	64					0.02	34.89	27.0	8.22	6.10	0.11		
T5-1m	2/5/14	959	0.15	4.5	0.42	5.9	0.29	4.1	2.9	80	0.50	15.5	5.4	76					0.02	34.95	25.2	8.20	6.38	0.15		
T5-1m	5/7/14	953	0.13	3.9	0.38	5.3	0.14	1.9	1.4	41	0.49	15.3	6.8	95					0.04	34.79	25.7	8.20	5.65	0.11		
<b>Geomean</b>	<b>'13-'14</b>		<b>4.3</b>		<b>8.2</b>		<b>3.2</b>				<b>16.3</b>		<b>79</b>						<b>0.03</b>					<b>0.11</b>		
T5-1m	8/6/14	948	0.17	5.2	0.12	1.7	0.41	5.8	0.9	26	0.54	16.7	7.1	99					0.10	34.95	26.7	8.23	6.31	0.10		
T5-1m	12/4/14	1018	0.13	4.1	0.42	5.9	0.55	7.7	2.3	65	0.41	12.6	6.8	95					0.07	35.17	26.3	8.24	6.43	0.11		
T5-1m	3/5/15	1012	0.05	1.7	0.98	13.7	0.27	3.8	4.5	125	0.39	12.1	7.0	97					0.10	34.69	25.3	8.27	7.00	0.14		
T5-1m	6/18/15	950	0.18	5.6	0.69	9.7	0.35	4.9	5.9	166	0.47	14.7	8.5	119					0.08	34.31	26.6	8.15	6.70	0.08		
<b>Geomean</b>	<b>'14-'15</b>		<b>3.8</b>		<b>6.0</b>		<b>5.4</b>				<b>13.9</b>		<b>102</b>						<b>0.09</b>					<b>0.11</b>		
T5-1m	8/27/15	958	0.15	4.8	0.39	5.4	0.25	3.5	3.2	90	0.39	12.0	4.7	66					0.03	34.46	28.5	8.26	6.25	0.27		
T5-1m	11/18/15	1022	0.14	4.3	0.59	8.3	0.54	7.5	3.5	98	0.50	15.4	4.9	68					0.07	34.62	27.4	8.28	6.96	0.13		
T5-1m	3/2/16	909	0.15	4.6	0.29	4.0	0.39	5.5	0.1	4	0.47	14.5	4.9	69					0.09	34.73	25.2	8.23	5.74	0.08		
T5-1m	5/4/16	1003	0.25	7.6	0.31	4.4	0.17	2.4	2.2	61	0.46	14.2	8.0	113					0.08	34.60	25.9	8.21	6.27	0.09		
<b>Geomean</b>	<b>'15-'16</b>		<b>5.2</b>		<b>5.3</b>		<b>4.3</b>				<b>14.0</b>		<b>77</b>						<b>0.06</b>					<b>0.13</b>		

NELHA Water Quality Laboratory

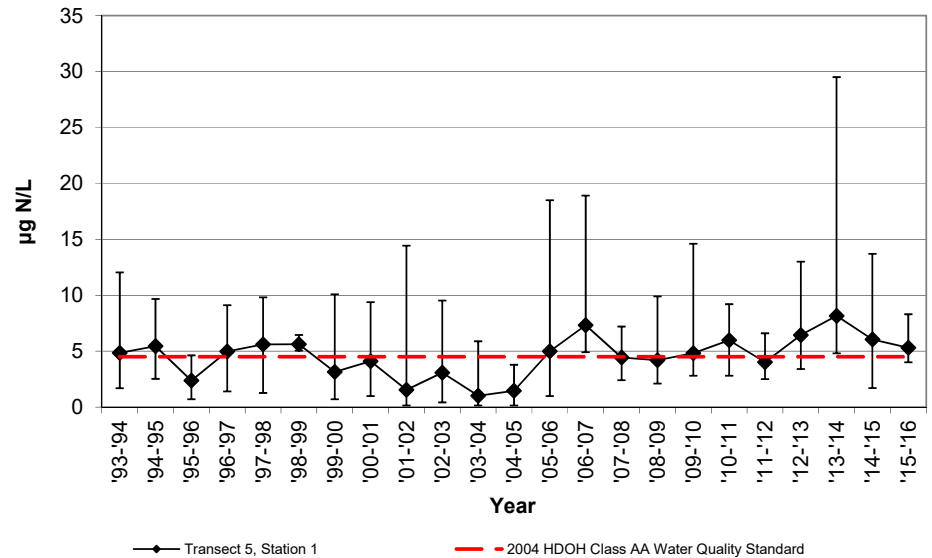
Transect 5, Station 1

July 1993 - June 2015

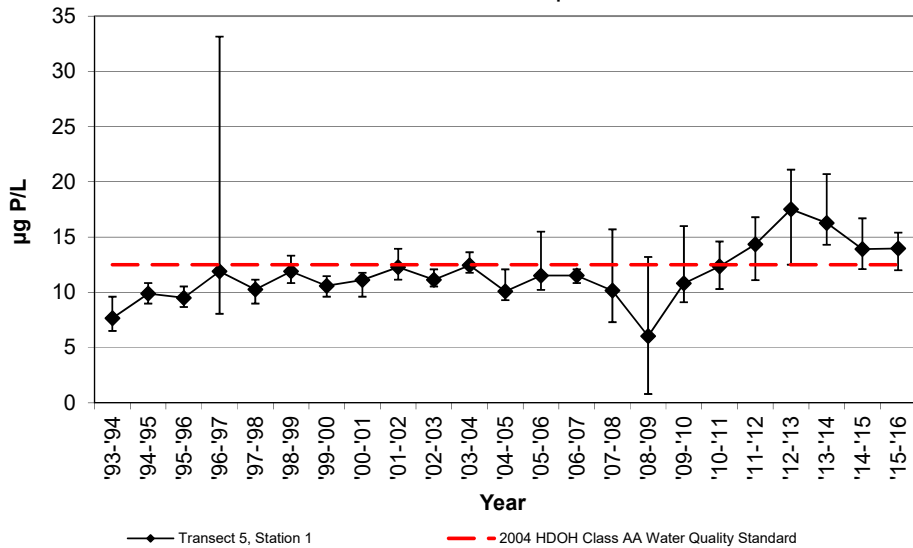
NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of Ortho-Phosphate



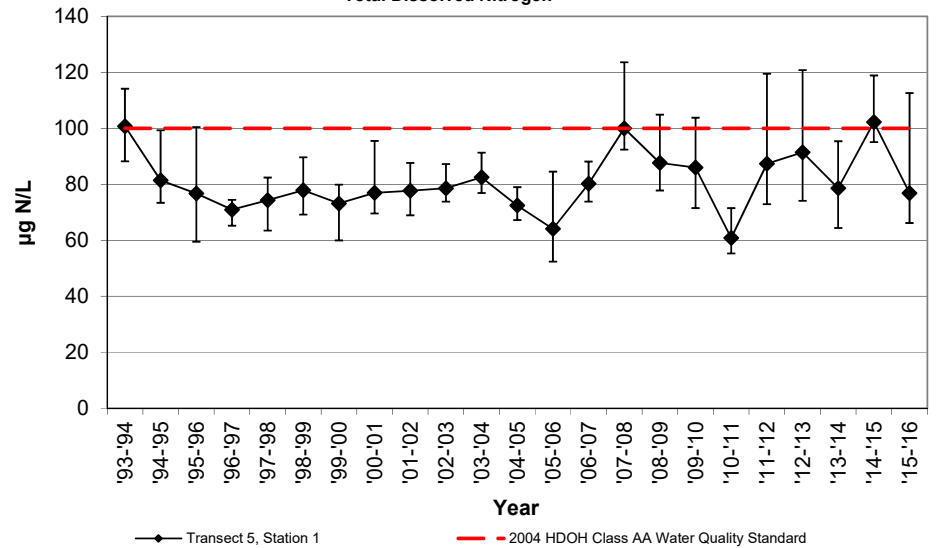
NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of  
Total Dissolved Phosphorous



NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of  
Total Dissolved Nitrogen



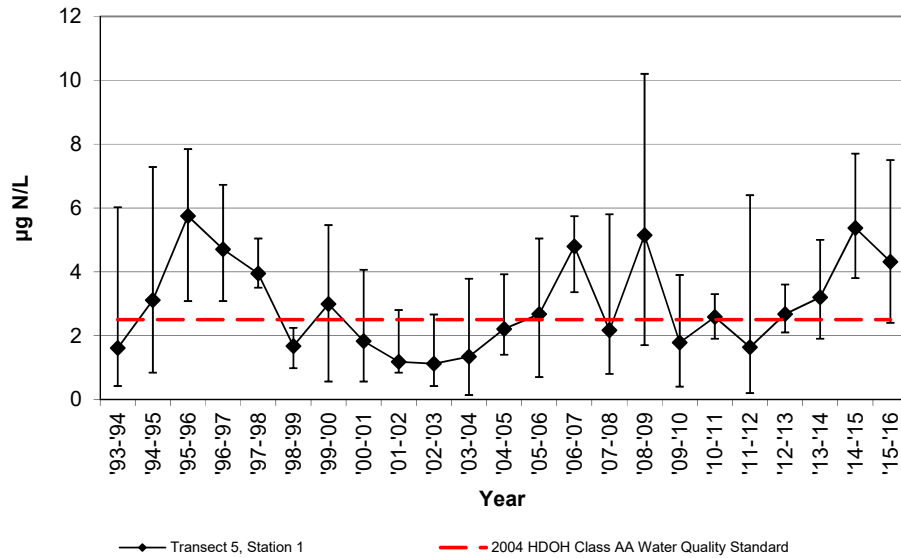


NELHA Water Quality Laboratory

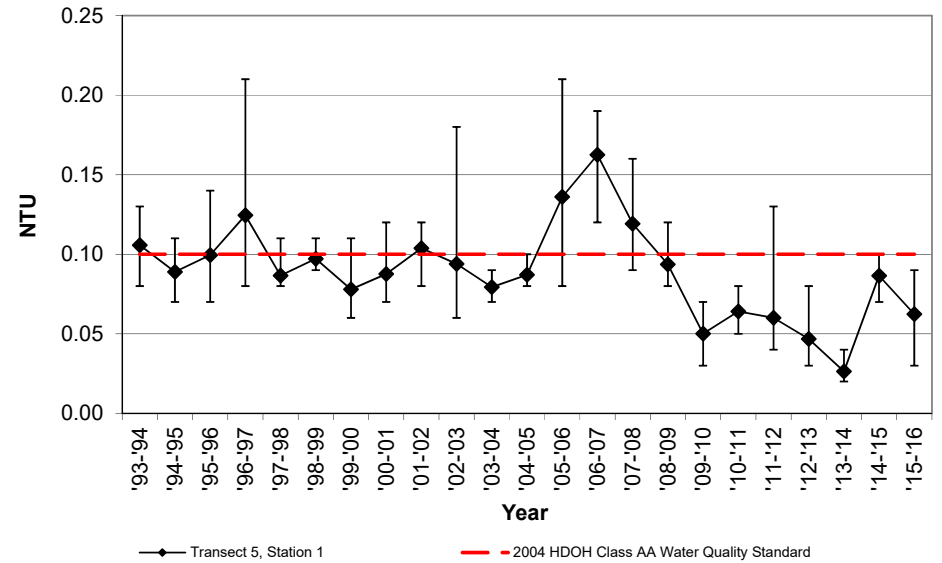
Transect 5, Station 1

July 1993 - June 2015

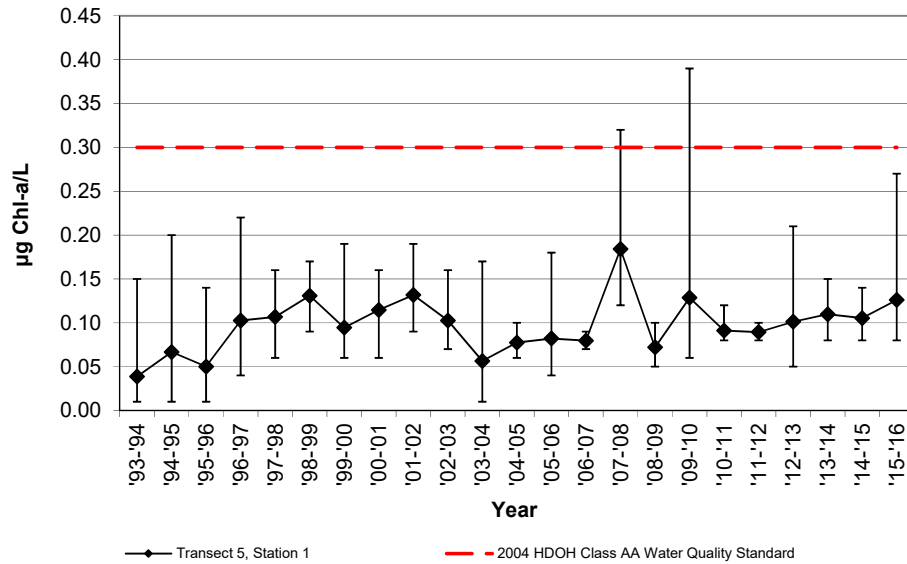
NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 5, Station 1  
Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 5, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.1</b>					<b>0.3</b>
O5-2S-23m	7/26/93	950	0.15	4.6	0.15	2.1	0.38	5.3	3.5	99					0.08	34.426	26.8			
O5-2S-23m	12/6/93	1123	0.06	1.9	0.22	3.1	0.06	0.8	2.9	81					0.09	34.876	25.7			
O5-2S-23m	3/7/94	1029	0.24	7.4	0.68	9.5	0.17	2.4	6.2	173			6.43	90.06	0.10	34.130	25.1			
O5-2S-23m	6/15/94	1025	0.22	6.8	0.21	2.9	0.06	0.8	3.4	95					0.11	34.527	25.7			
<b>Geomean '93-'94</b>			<b>4.6</b>		<b>3.7</b>		<b>1.7</b>								<b>0.09</b>					
O5-2S-23m	9/9/94	1040	0.10	3.1	0.46	6.4	0.19	2.7	4.4	123					0.13	34.538	27.7			
O5-2S-23m	11/14/94	924	0.16	5.0	0.73	10.2	0.55	7.7	7.4	208					0.12	34.496	26.1			
O5-2S-23m	3/22/95	1012	0.18	5.6	0.33	4.6	0.37	5.2	3.7	105					0.09	34.188	25.2			
O5-2S-23m	6/20/95	1000	0.15	4.6	0.10	1.4	0.14	2.0	3.5	99					0.07	34.464	26.4			
<b>Geomean '94-'95</b>			<b>4.5</b>		<b>4.5</b>		<b>3.8</b>								<b>0.10</b>					
O5-2S-23m	9/28/95	813	0.08	2.5	0.07	1.0	0.50	7.0	1.6	46					0.09	34.605	27.2			
O5-2S-23m	11/14/95	951	0.10	3.1	0.08	1.1	0.49	6.9	3.1	86					0.08	34.357	26.8			
O5-2S-23m	3/12/96	1029	0.15	4.6	0.33	4.6	0.56	7.8	4.4	124					0.07	34.135	25.6			
O5-2S-23m	5/14/96	1021	0.12	3.7	0.39	5.5	0.19	2.7	5.7	159					0.10	34.227	27.2			
<b>Geomean '95-'96</b>			<b>3.4</b>		<b>2.3</b>		<b>5.6</b>								<b>0.08</b>					
O5-2S-23m	7/31/96	1050	0.09	2.8	0.41	5.7	0.44	6.2	6.6	186					0.09	34.371	28.0			
O5-2S-23m	10/2/96	1019	0.07	2.2	0.03	0.4	0.26	3.6	2.6	72					0.08	34.640	28.1			
O5-2S-23m	1/7/97	1022	0.12	3.7	0.75	10.5	0.23	3.2	6.0	168					0.07	34.563	25.7			
O5-2S-23m	4/28/97	1044	0.15	4.6	0.23	3.2	0.39	5.5	6.3	176					0.10	34.408	26.8			
<b>Geomean '96-'97</b>			<b>3.2</b>		<b>3.0</b>		<b>4.5</b>								<b>0.08</b>					
O5-2S-23m	8/19/97	1026	0.11	3.4	0.55	7.7	0.28	3.9	5.9	164					0.10	34.558	27.1			
O5-2S-23m	10/7/97	926	0.09	2.8	0.08	1.1	0.34	4.8	2.4	68					0.10	34.751	27.6			
O5-2S-23m	3/4/98	1030	0.13	4.0	0.58	8.1	0.23	3.2	5.3	150					0.07	34.928	25.0			
O5-2S-23m	5/5/98	1036	0.09	2.8	0.16	2.2	0.22	3.1	3.5	99					0.09	35.055	24.3			
<b>Geomean '97-'98</b>			<b>3.2</b>		<b>3.5</b>		<b>3.7</b>								<b>0.09</b>					
O5-2S-23m	7/7/98	1100	0.12	3.7	0.33	4.6	0.07	1.0	6.4	181					0.13	34.912	26.3			
O5-2S-23m	10/6/98	1011	0.10	3.1	0.21	2.9	0.09	1.3	5.7	161					0.08	35.109	27.0			
O5-2S-23m	1/19/99	1046	0.08	2.5	0.23	3.2	0.11	1.5	4.6	128					0.07	35.095	25.3			
O5-2S-23m	4/13/99	1127	0.17	5.3	0.70	9.8	0.13	1.8	9.5	265					0.10	34.480	24.5			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>4.6</b>		<b>1.4</b>								<b>0.09</b>					
O5-2S-23m	8/16/99	1100	0.10	3.1	0.05	0.7	0.51	7.1	2.1	60					0.10	34.836	26.1			
O5-2S-23m	10/25/99	1148	0.14	4.3	0.66	9.2	0.39	5.5	7.6	214					0.10	34.813	26.3			
O5-2S-23m	1/12/00	1047	0.10	3.1	0.04	0.6	0.26	3.6	2.2	61					0.05	35.114	24.9			
O5-2S-23m	4/11/00	955	0.12	3.7	0.13	1.8	0.02	0.3	3.2	90					0.08	34.838	24.4			
<b>Geomean '99-'00</b>			<b>3.5</b>		<b>1.6</b>		<b>2.5</b>								<b>0.08</b>					
O5-2S-23m	7/25/00	1102	0.11	3.4	0.15	2.1	0.06	0.8	3.0	85					0.09	34.851	26.7			
O5-2S-23m	10/31/00	1049	0.12	3.7	0.04	0.6	0.27	3.8	2.9	82					0.06	34.949	27.1			
O5-2S-23m	3/6/01	1041	0.14	4.3	0.25	3.5	0.12	1.7	4.3	121					0.09	34.672	24.9			
O5-2S-23m	5/8/01	1134	0.13	4.0	0.47	6.6	0.21	2.9	7.0	195					0.07	34.708	24.9			
<b>Geomean '00-'01</b>			<b>3.9</b>		<b>2.3</b>		<b>2.0</b>								<b>0.08</b>					
O5-2S-23m	8/13/01	936	0.09	2.8	0.01	0.1	0.20	2.8	2.1	58					0.15	34.879	26.6			
O5-2S-23m	10/10/01	1044	0.15	4.6	0.09	1.3	0.06	0.8	3.4	95					0.08	34.920	27.5			
O5-2S-23m	3/6/02	956	0.14	4.3	0.18	2.5	0.06	0.8	4.4	124					0.12	34.664	24.2			
O5-2S-23m	4/15/02	1002	0.15	4.6	0.25	3.5	0.06	0.8	4.6	129					0.08	34.439	25.6			
<b>Geomean '01-'02</b>			<b>4.0</b>		<b>1.1</b>		<b>1.1</b>								<b>0.10</b>					

NELHA Water Quality Laboratory

Transect 5, Station 2

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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O5-2S-23m	7/10/02	957	0.18	5.6	0.28	3.9	0.15	2.1	4.9	136					0.08	34.620	26.4			
O5-2S-23m	10/8/02	1005	0.06	1.9	0.48	6.7	0.06	0.8	4.0	112					0.10	34.876	27.0			
O5-2S-23m	3/11/03	1132	0.10	3.1	0.13	1.8	0.03	0.4	3.3	92					0.08	34.705	25.3			
O5-2S-23m	4/23/03	1000	0.16	5.0	0.03	0.4	0.03	0.4	3.8	107					0.06	34.992	25.1			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.6</b>		<b>2.1</b>		<b>0.7</b>								<b>0.08</b>					
O5-2S-23m	8/21/03	956	5.94	184.0	0.09	1.3	0.10	1.4	2.5	70					0.08	34.827	28.3			
O5-2S-23m	11/3/03	929	0.11	3.4	0.01	0.1	0.26	3.6	2.5	71					0.10	34.651	27.2			
O5-2S-23m	3/18/04	1001	0.14	4.3	0.14	2.0	0.26	3.6	2.7	75					n/a	34.373	25.5			
O5-2S-23m	5/24/04	1018	0.15	4.6	0.27	3.8	0.09	1.3	3.9	110					n/a	33.33	26.8			
<b>Geomean</b>	<b>'03-'04</b>		<b>10.6</b>		<b>1.1</b>		<b>2.2</b>								<b>0.09</b>					
O5-2S-23m	9/22/04	1052	0.07	2.2	0.01	0.1	0.28	3.9	6.7	188					0.08	33.76	27.8			
O5-2S-23m	11/29/04	956	0.08	2.5	0.27	3.8	0.14	2.0	2.0	56					0.07	33.79	27.0			
O5-2S-23m	1/24/05	1035	0.05	1.5	0.01	0.1	0.08	1.1	1.7	47					0.07	34.773	25.6			
O5-2S-23m	4/13/05	1036	0.13	4.0	0.20	2.8	0.20	2.8	3.2	90					0.10	34.424	25.4			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.4</b>		<b>0.7</b>		<b>2.2</b>								<b>0.08</b>					
O5-2S-23m	7/21/05	953	0.06	1.9	0.31	4.3	0.34	4.8	7.0	197					0.09	34.647	27.4			
O5-2S-23m	10/13/05	942	0.06	1.9	0.28	3.9	0.21	2.9	4.5	127					0.12	34.794	27.2			
O5-2S-23m	3/15/06	901	0.13	4.0	0.24	3.4	0.27	3.8	8.4	236					0.08	34.781	24.4			
O5-2S-23m	5/17/06	942	0.16	5.0	0.86	12.0	0.05	0.7	6.1	171					0.22	34.539	24.8			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.9</b>		<b>5.1</b>		<b>2.5</b>								<b>0.12</b>					
O5-2S-23m	8/16/06	951	0.11	3.4	0.43	6.0	0.34	4.8	2.5	70					0.25	34.653	26.8			
O5-2S-23m	11/20/06	952	0.10	3.1	0.18	2.5	0.22	3.1	2.0	56					0.08	34.809	26.9			
O5-2S-23m	2/12/07	1046	0.31	9.6	0.16	2.2	0.48	6.7	0.9	25					0.10	34.436	24.5			
O5-2S-23m	4/16/07	1036	0.15	4.6	0.82	11.5	0.39	5.5	10.2	286					0.41	34.436	26.1			
<b>Geomean</b>	<b>'06-'07</b>		<b>4.7</b>		<b>4.4</b>		<b>4.8</b>								<b>0.17</b>					
T5-10m	9/27/07	920	0.16	5.0	0.29	4.0	0.36	5.1	6.1	173	0.36	11.0	5.3	74	0.06	34.922	26.8	8.06	6.07	0.20
T5-10m	12/14/07	945	0.06	2.0	0.69	9.7			5.4	151	0.35	10.9	4.8	68	0.10	34.727	25.7	8.21	6.69	0.2
T5-10m	3/11/08	953	0.12	3.6	0.48	6.7	0.06	0.8	19.8	557	0.28	8.7	6.8	96	0.12	34.834	24.8	8.1	6.53	0.37
T5-10m	6/9/08	1028	0.09	2.8	0.17	2.4	0.16	2.2	14.0	392	0.25	7.7	5.2	72	0.07	34.6758	25.0	8.12	5.83	0.08
<b>Geomean</b>	<b>'07-'08</b>		<b>3.2</b>		<b>5.0</b>		<b>2.1</b>				<b>9.5</b>		<b>77</b>		<b>0.08</b>					<b>0.19</b>
T5-10m	9/23/08	1042	0.04	1.3	0.16	2.2	0.28	3.9	2.5	71	0.29	8.9	4.7	66	0.08	34.836	26.8	8.06	6.21	0.03
T5-10m	12/8/08	1022	0.21	6.5	0.35	4.9	1.03	14.4	1.9	53	0.10	3	5.9	83	0.05	34.990	26.1	8.30	5.85	0.07
T5-10m	2/10/09	918	0.13	3.9	0.41	5.8	0.56	7.9	3.6	101	0.37	11.6	10.8	152	0.10	35.060	24.8	8.05	6.05	0.05
T5-10m	6/30/09	1005	0.29	8.9	0.41	5.8	0.17	2.4	5.2	145	0.23	7	5.3	74	0.11	34.898	26.7	8.17	6.07	0.09
<b>Geomean</b>	<b>'08-'09</b>		<b>4.1</b>		<b>4.4</b>		<b>5.7</b>				<b>6.8</b>		<b>89</b>		<b>0.08</b>					<b>0.06</b>
T5-10m	9/10/09	1003	0.15	4.5	0.19	2.6	0.92	12.9	43.6	1223	0.26	8.0	4.7	67	0.09	35.27	27.3	8.24	5.71	0.15
T5-10m	11/24/09	937	0.02	0.766	0.16	2.2	0.06	0.9	14.9	420	0.23	7	4.3	60	0.04	35.27	25.2	8.25	6.47	0.12
T5-10m	2/24/10	1013	0.18	5.5	1.09	15.2	0.38	5.3	8.4	236	0.38	11.7	5.4	76	0.07	35.09	24.6	8.23	5.51	0.38
T5-10m	5/25/10	928	0.05	1.4	0.43	6	0.15	2.1	4.0	111	0.19	5.8	4.4	61	0.05	34.77	25.2	8.28	6.67	0.07
<b>Geomean</b>	<b>'09-'10</b>		<b>2.3</b>		<b>4.8</b>		<b>3.4</b>				<b>7.9</b>		<b>66</b>		<b>0.06</b>					<b>0.15</b>
T5-10m	8/11/10	942	0.05	1.4	0.53	7.4	0.28	3.9	3.0	85	0.32	9.9	3.5	50	0.07	34.94	26.00	8.23	6.70	0.07
T5-10m	11/9/10	944	0.02	0.766	0.16	2.2	0.06	0.9	14.9	420	0.23	7	4.3	60	0.10	34.90	26.23	8.26	6.46	0.09
T5-10m	1/11/11	1208	0.15	4.8	0.41	5.7	0.37	5.2	4.5	126	0.43	13.2	3.6	51	0.03	35.02	25.07	8.21	6.62	0.13
T5-10m	4/27/11	952	0.15	4.6	0.56	7.9	0.30	4.2	4.1	115	0.44	13.5	4.6	64	0.08	34.85	24.90	8.23	6.41	0.11
<b>Geomean</b>	<b>'10-'11</b>		<b>2.2</b>		<b>5.2</b>		<b>3.0</b>				<b>10.5</b>		<b>56</b>		<b>0.06</b>					<b>0.10</b>

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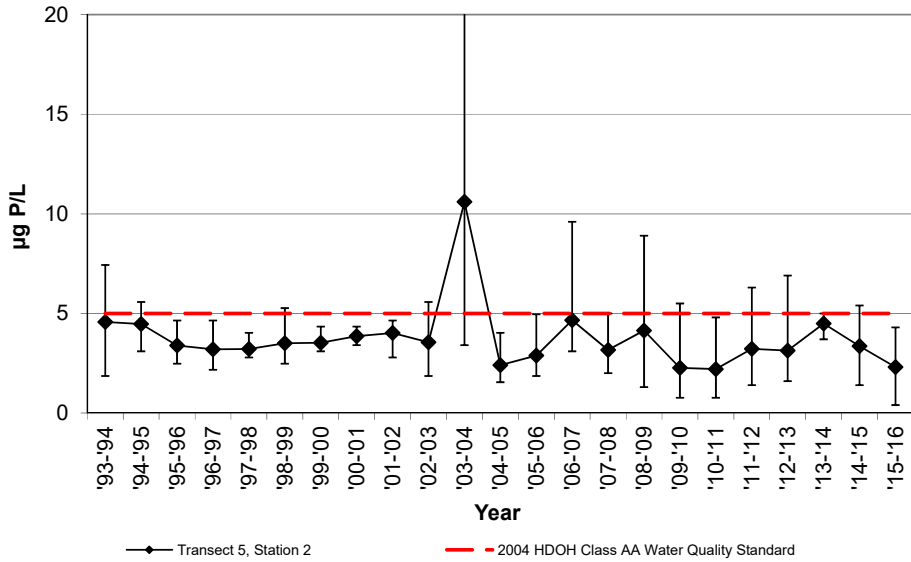
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T5-10m	7/27/11	1035	0.20	6.3	0.44	6.2	0.32	4.5	2.0	57	0.50	15.4	5.4	76	0.07	34.79	26.02	8.22	6.49	0.07
T5-10m	10/19/11	1012	0.05	1.4	0.21	2.9	0.08	1.1	2.2	62	0.40	12.4	6.7	94	0.08	35.13	26.52	8.26	7.25	0.07
T5-10m	1/26/12	944	0.07	2.3	0.23	3.2	0.11	1.5	2.6	73	0.61	18.8	6.8	95	0.09	35.01	24.46	8.18	6.74	0.12
T5-10m	4/25/12	1011	0.17	5.3	0.46	6.5	0.34	4.8	1.9	53	0.46	14.4	7.5	105	0.06	34.84	24.82	8.20	6.84	0.17
<b>Geomean</b>	<b>'11-'12</b>		<b>3.2</b>		<b>4.4</b>		<b>2.4</b>				<b>15.1</b>		<b>92</b>		<b>0.07</b>					<b>0.10</b>
T5-10m	7/25/12	954	0.05	1.6	0.21	2.9	0.19	2.7	1.4	38	0.57	17.7	6.3	89	0.23	35.12	26.35	8.24	6.86	0.20
T5-10m	11/28/12	956	0.11	3.5	0.60	8.4	0.20	2.8	4.0	112	0.56	17.3	8.7	122	0.02	35.19	25.24	8.20	6.69	0.12
T5-10m	1/24/13	943	0.08	2.5	0.41	5.7	0.11	1.6	2.5	71	0.52	16	5.7	80	0.04	35.06	24.76	8.21	6.37	0.17
T5-10m	4/17/13	1058	0.22	6.9	0.99	13.9	0.45	6.3	5.5	153	0.59	18.3	7.3	103	0.08	35.03	25.16	8.21	6.88	0.12
<b>Geomean</b>	<b>'12-'13</b>		<b>3.1</b>		<b>6.6</b>		<b>3.0</b>				<b>17.3</b>		<b>97</b>		<b>0.06</b>					<b>0.15</b>
T5-10m	8/6/13	1034	0.16	5.0	1.49	20.8	0.37	5.2	10.8	304	0.34	10.6	6.7	94	0.07	34.94	26.3	8.27	7.17	0.08
T5-10m	10/30/13	938	0.16	4.9	0.32	4.5	0.24	3.4	2.3	65	0.47	14.6	6.8	95	0.02	34.90	27.0	8.23	6.13	0.12
T5-10m	2/5/14	1003	0.15	4.5	0.42	5.9	0.31	4.3	2.8	77	0.56	17.5	9.2	128	0.02	34.96	25.2	8.22	6.23	0.11
T5-10m	5/7/14	956	0.12	3.7	0.44	6.1	0.20	2.8	2.0	57	0.39	12.2	7.4	104	0.08	34.79	25.7	8.20	5.64	0.09
<b>Geomean</b>	<b>'13-'14</b>		<b>4.5</b>		<b>7.6</b>		<b>3.8</b>				<b>13.5</b>		<b>104</b>		<b>0.04</b>					<b>0.10</b>
T5-10m	8/6/14	951	0.17	5.4	0.12	1.7	0.34	4.8	0.9	24	0.52	16.0	7.1	99	0.11	34.95	26.7	8.24	6.23	0.12
T5-10m	12/4/14	1023	0.14	4.2	0.78	10.9	0.61	8.5	3.8	106	0.06	2.0	7.4	103	0.11	35.17	26.4	8.25	6.55	0.11
T5-10m	3/5/15	1019	0.05	1.4	0.46	6.5	0.21	2.9	2.4	66	0.31	9.5	7.1	99	0.10	34.72	25.4	8.27	6.87	0.10
T5-10m	6/18/15	956	0.13	4.0	0.21	2.9	0.40	5.6	4.1	115	0.42	13.1	7.5	105	0.08	34.40	26.6	8.15	6.67	0.09
<b>Geomean</b>	<b>'14-'15</b>		<b>3.4</b>		<b>4.3</b>		<b>5.1</b>				<b>7.9</b>		<b>101</b>		<b>0.10</b>					<b>0.10</b>
T5-10m	8/27/15	1003	0.14	4.3	0.02	0.3	0.19	2.7	2.9	80	0.33	10.2	4.6	64	0.02	34.63	28.6	8.27	5.97	0.23
T5-10m	11/18/15	1028	0.13	3.9	0.44	6.1	0.27	3.8	4.1	117	0.48	14.8	3.3	46	0.04	34.65	27.4	8.28	6.69	0.13
T5-10m	3/2/16	913	0.14	4.2	0.21	3.0	0.24	3.3	0.2	6	0.51	15.9	5.2	72	0.07	34.74	25.3	8.23	5.75	0.07
T5-10m	5/4/16	1008	0.01	0.4	0.19	2.7	0.21	2.9	1.8	49	0.46	14.3	6.8	96	0.08	34.65	25.9	8.20	6.16	0.17
<b>Geomean</b>	<b>'15-'16</b>		<b>2.3</b>		<b>2.0</b>		<b>3.1</b>				<b>13.6</b>		<b>67</b>		<b>0.05</b>					<b>0.14</b>

NELHA Water Quality Laboratory

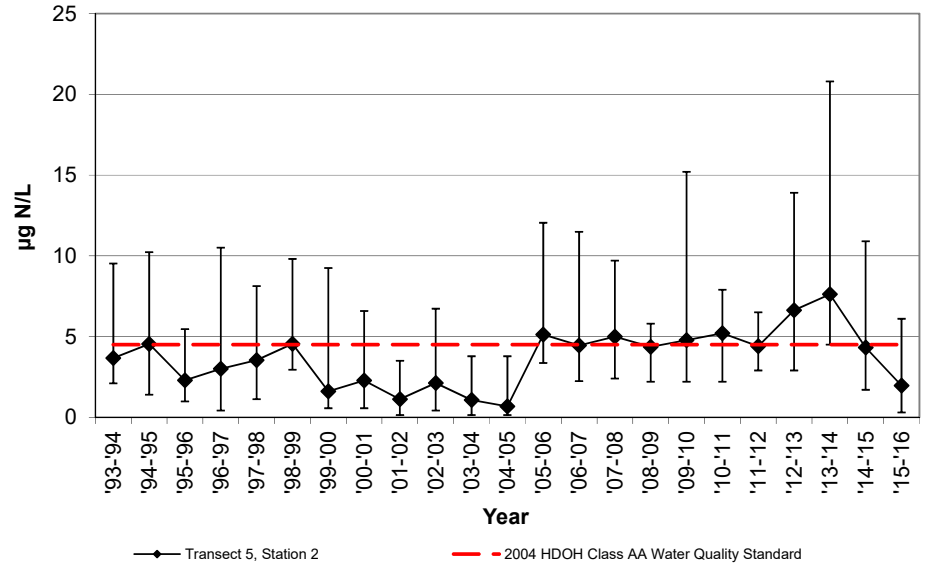
Transect 5, Station 2

July 1993 - June 2015

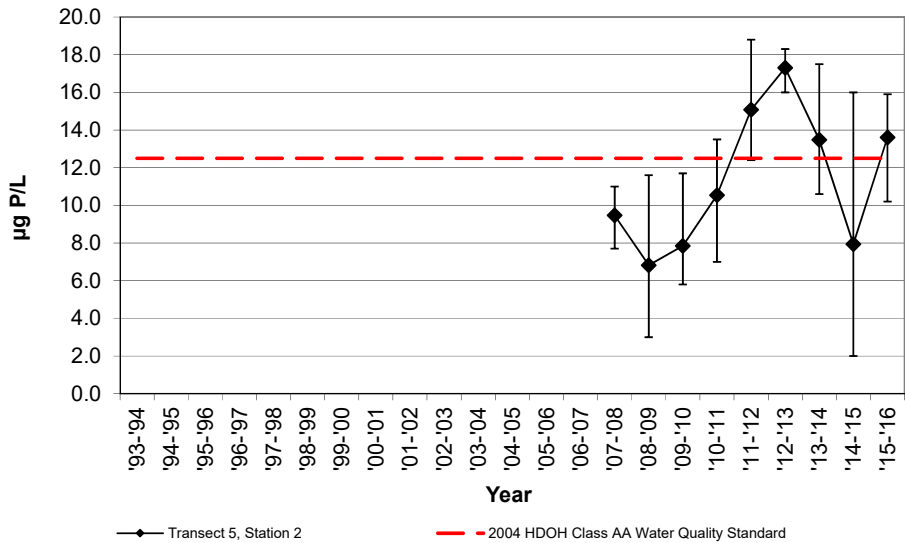
NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of Ortho-Phosphate



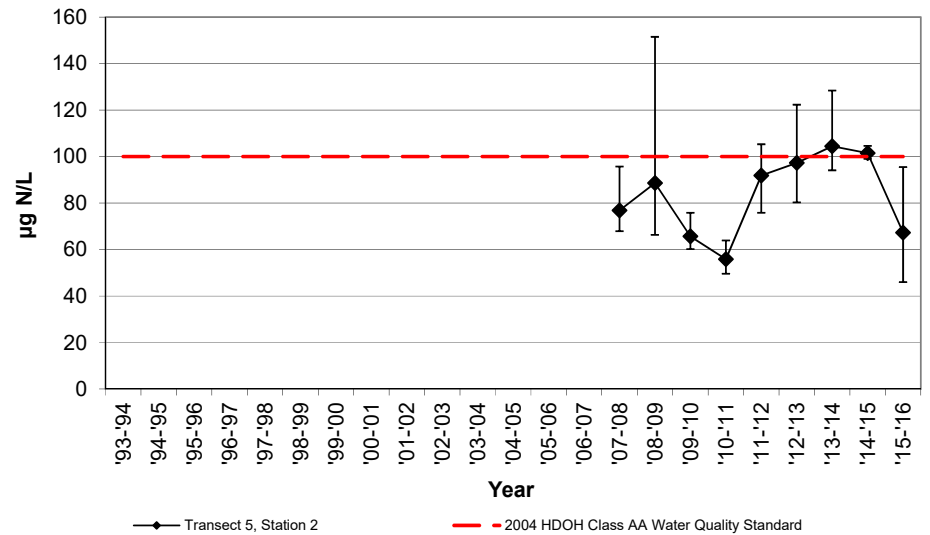
NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of  
Total Dissolved Phosphorus



NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

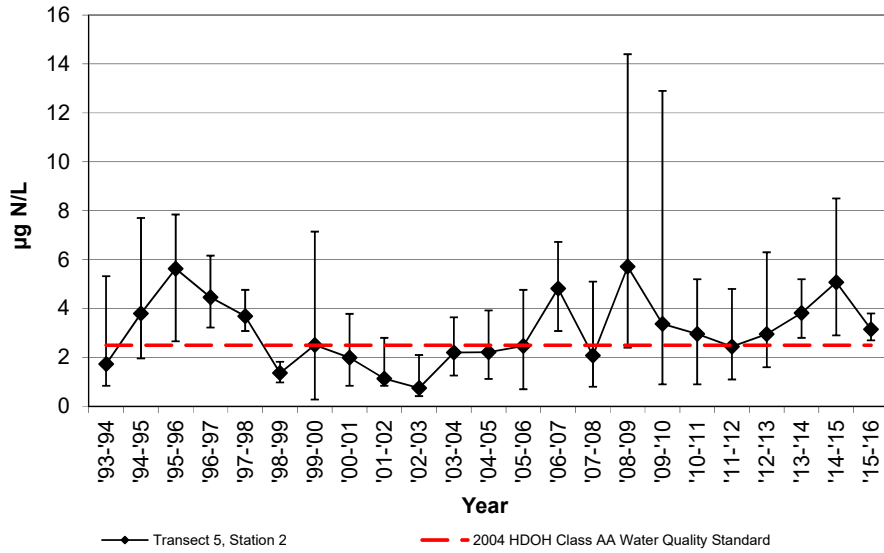


NELHA Water Quality Laboratory

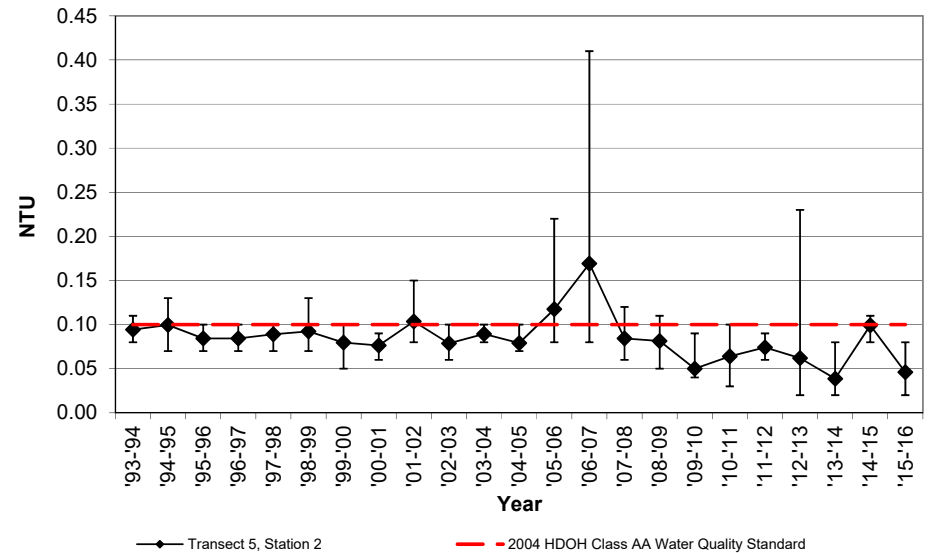
Transect 5, Station 2

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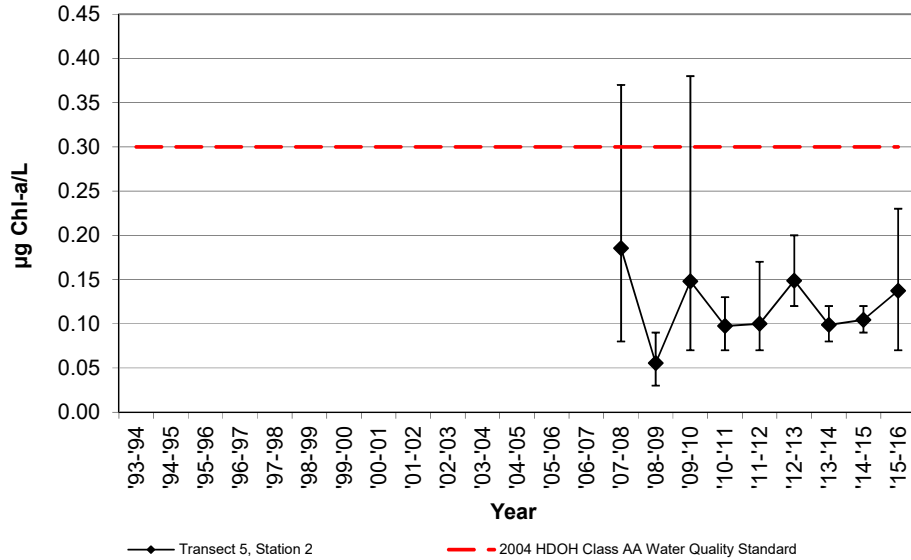
NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 5, Station 2  
Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 5, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.1</b>					<b>0.3</b>
O5-3S-38m	7/26/93	1008	0.12	3.7	0.12	1.7	0.38	5.3	2.9	82					0.07	34.427	26.9			
O5-3S-38m	12/6/93	1115	0.06	1.9	0.19	2.7	0.06	0.8	4.5	126					0.07	34.876	25.7			
O5-3S-38m	3/7/94	1023	0.23	7.1	0.70	9.8	0.18	2.5	6.1	171					0.07	34.139	25.1			
O5-3S-38m	6/15/94	1017	0.21	6.5	0.06	0.8	0.08	1.1	2.9	82					0.10	34.554	25.6			
<b>Geomean '93-'94</b>			<b>4.2</b>		<b>2.5</b>		<b>1.9</b>								<b>0.08</b>					
O5-3S-38m	9/9/94	1035	0.09	2.8	0.15	2.1	0.15	2.1	2.6	74					0.07	34.596	27.8			
O5-3S-38m	11/14/94	921	0.13	4.0	0.31	4.3	0.55	7.7	4.2	119					0.11	34.604	26.2			
O5-3S-38m	3/22/95	1006	0.18	5.6	0.31	4.3	0.37	5.2	4.9	136					0.11	34.159	25.2			
O5-3S-38m	6/20/95	958	0.11	3.4	0.10	1.4	0.14	2.0	2.1	60					0.08	34.463	26.3			
<b>Geomean '94-'95</b>			<b>3.8</b>		<b>2.7</b>		<b>3.6</b>								<b>0.09</b>					
O5-3S-38m	9/28/95	822	0.06	1.9	0.05	0.7	0.49	6.9	1.7	47					0.18	34.605	27.3			
O5-3S-38m	11/14/95	946	0.12	3.7	0.01	0.1	0.51	7.1	2.7	75					0.05	34.353	26.8			
O5-3S-38m	3/12/96	1019	0.16	5.0	0.22	3.1	0.53	7.4	3.5	97					0.05	34.159	25.6			
O5-3S-38m	5/14/96	1016	0.12	3.7	0.34	4.8	0.19	2.7	5.1	144					0.08	34.245	27.2			
<b>Geomean '95-'96</b>			<b>3.4</b>		<b>1.1</b>		<b>5.6</b>								<b>0.08</b>					
O5-3S-38m	7/31/96	1045	0.08	2.5	0.45	6.3	0.46	6.4	5.9	166					0.09	34.352	27.9			
O5-3S-38m	10/2/96	1014	0.08	2.5	0.03	0.4	0.28	3.9	3.0	85					0.09	34.634	28.1			
O5-3S-38m	1/7/97	1016	0.12	3.7	1.02	14.3	0.22	3.1	8.2	229					0.08	34.516	25.6			
O5-3S-38m	4/28/97	1039	0.21	6.5	0.79	11.1	0.39	5.5	13.1	368					0.10	34.197	26.8			
<b>Geomean '96-'97</b>			<b>3.5</b>		<b>4.5</b>		<b>4.5</b>								<b>0.09</b>					
O5-3S-38m	8/19/97	1022	0.11	3.4	0.67	9.4	0.28	3.9	6.4	181					0.10	34.533	27.0			
O5-3S-38m	10/7/97	919	0.10	3.1	0.07	1.0	0.36	5.0	2.4	68					0.08	34.747	27.5			
O5-3S-38m	3/4/98	1025	0.14	4.3	0.66	9.2	0.21	2.9	6.0	167					0.08	34.915	24.9			
O5-3S-38m	5/5/98	1032	0.08	2.5	0.04	0.6	0.15	2.1	2.9	82					0.07	35.084	24.2			
<b>Geomean '97-'98</b>			<b>3.3</b>		<b>2.6</b>		<b>3.3</b>								<b>0.08</b>					
O5-3S-38m	7/7/98	1055	0.12	3.7	0.40	5.6	0.06	0.8	7.7	216					0.09	34.894	26.3			
O5-3S-38m	10/6/98	1005	0.11	3.4	0.23	3.2	0.09	1.3	3.4	95					0.08	35.089	27.0			
O5-3S-38m	1/19/99	1041	0.08	2.5	0.24	3.4	0.03	0.4	4.4	123					0.08	35.086	25.3			
O5-3S-38m	4/13/99	1123	0.16	5.0	0.69	9.7	0.09	1.3	10.0	280					0.07	34.480	24.5			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>4.9</b>		<b>0.9</b>								<b>0.08</b>					
O5-3S-38m	8/16/99	1054	0.12	3.7	0.10	1.4	0.43	6.0	2.2	62					0.13	34.878	26.5			
O5-3S-38m	10/25/99	1143	0.13	4.0	0.39	5.5	0.35	4.9	5.9	165					0.09	34.847	26.4			
O5-3S-38m	1/12/00	1042	0.11	3.4	0.02	0.3	0.31	4.3	2.6	74					0.05	35.126	24.9			
O5-3S-38m	4/11/00	951	0.12	3.7	0.17	2.4	0.07	1.0	4.0	111					0.06	34.822	24.5			
<b>Geomean '99-'00</b>			<b>3.7</b>		<b>1.5</b>		<b>3.3</b>								<b>0.08</b>					
O5-3S-38m	7/25/00	1058	0.10	3.1	0.18	2.5	0.03	0.4	3.2	90					0.06	34.848	26.7			
O5-3S-38m	10/31/00	1045	0.09	2.8	0.02	0.3	0.25	3.5	2.2	61					0.04	34.975	27.1			
O5-3S-38m	3/6/01	1037	0.16	5.0	0.47	6.6	0.12	1.7	5.4	151					0.09	34.655	24.9			
O5-3S-38m	5/8/01	1130	0.10	3.1	0.28	3.9	0.22	3.1	4.9	138					0.08	34.732	24.9			
<b>Geomean '00-'01</b>			<b>3.4</b>		<b>2.1</b>		<b>1.7</b>								<b>0.06</b>					
O5-3S-38m	8/13/01	931	0.10	3.1	0.04	0.6	0.15	2.1	2.2	62					0.10	34.862	26.7			
O5-3S-38m	10/10/01	1038	0.16	5.0	0.11	1.5	0.04	0.6	3.5	98					0.11	34.921	27.5			
O5-3S-38m	3/6/02	952	0.15	4.6	0.09	1.3	0.06	0.8	4.5	127					0.09	34.676	24.2			
O5-3S-38m	4/15/02	957	0.16	5.0	0.30	4.2	0.07	1.0	4.4	124					0.07	34.440	25.6			
<b>Geomean '01-'02</b>			<b>4.3</b>		<b>1.5</b>		<b>1.0</b>								<b>0.09</b>					

NELHA Water Quality Laboratory

Transect 5, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O5-3S-38m	7/10/02	954	0.19	5.9	0.13	1.8	0.11	1.5	4.1	116					0.06	34.639	26.5			
O5-3S-38m	10/8/02	1000	0.08	2.5	0.43	6.0	0.12	1.7	3.8	107					0.07	34.876	27.0			
O5-3S-38m	3/11/03	1126	0.08	2.5	0.03	0.4	0.03	0.4	3.3	93					0.08	34.704	25.2			
O5-3S-38m	4/23/03	956	0.08	2.5	0.03	0.4	0.03	0.4	2.5	71					0.07	34.999	25.0			
<b>Geomean '02-'03</b>			<b>3.1</b>		<b>1.2</b>		<b>0.8</b>								<b>0.07</b>					
O5-3S-38m	8/21/03	947	0.08	2.5	0.01	0.1	0.10	1.4	2.1	58					0.06	34.842	28.3			
O5-3S-38m	11/3/03	922	0.12	3.7	0.01	0.1	0.17	2.4	4.0	111					0.12	34.651	27.4			
O5-3S-38m	3/18/04	951	0.13	4.0	0.21	2.9	0.59	8.3	2.9	81					n/a	34.376	25.8			
O5-3S-38m	5/24/04	1013	0.14	4.3	0.28	3.9	0.09	1.3	3.8	106					n/a	33.30	26.9			
<b>Geomean '03-'04</b>			<b>3.6</b>		<b>0.7</b>		<b>2.4</b>								<b>0.08</b>					
O5-3S-38m	9/22/04	1047	0.07	2.2	0.01	0.1	0.26	3.6	1.5	43					0.08	33.73	27.7			
O5-3S-38m	11/29/04	951	0.09	2.8	0.26	3.6	0.16	2.2	2.2	62					0.09	33.79	27.0			
O5-3S-38m	1/24/05	1030	0.09	2.8	0.29	4.1	0.12	1.7	4.2	117					0.10	34.772	25.7			
O5-3S-38m	4/13/05	1031	0.14	4.3	0.31	4.3	0.20	2.8	4.3	120					0.12	34.408	25.4			
<b>Geomean '04-'05</b>			<b>2.9</b>		<b>1.7</b>		<b>2.5</b>								<b>0.10</b>					
O5-3S-38m	7/21/05	947	0.06	1.9	0.43	6.0	0.36	5.0	5.4	152					0.09	34.635	27.4			
O5-3S-38m	10/13/05	935	0.06	1.9	0.28	3.9	0.20	2.8	5.3	149					0.12	34.830	27.3			
O5-3S-38m	3/15/06	855	0.09	2.8	0.07	1.0	0.27	3.8	4.6	128					0.08	34.829	24.5			
O5-3S-38m	5/17/06	938	0.13	4.0	0.54	7.6	0.05	0.7	5.6	158					0.14	34.576	24.7			
<b>Geomean '05-'06</b>			<b>2.5</b>		<b>3.6</b>		<b>2.5</b>								<b>0.10</b>					
O5-3S-38m	8/16/06	946	0.11	3.4	0.28	3.9	0.38	5.3	2.6	74					0.13	34.640	26.8			
O5-3S-38m	11/20/06	946	0.10	3.1	0.18	2.5	0.18	2.5	2.0	57					0.10	34.802	26.7			
O5-3S-38m	2/12/07	1039	0.14	4.3	0.13	1.8	0.35	4.9	1.1	30					0.52	34.425	24.5			
O5-3S-38m	4/16/07	1030	0.12	3.7	0.07	1.0	0.29	4.1	3.9	109					0.13	34.654	26.5			
<b>Geomean '06-'07</b>			<b>3.6</b>		<b>2.0</b>		<b>4.0</b>								<b>0.17</b>					
T5-50m	9/27/07	911	0.17	5.3	0.31	4.4	0.25	3.5	5.2	147	0.37	11.4	6.6	93	0.08	34.915	26.7	8.06	6.06	0.09
T5-50m	12/14/07	948	0.08	2.4	0.01	0.1			6.4	181	0.35	10.9	5.4	76	0.11	34.749	25.7	8.24	6.52	0.17
T5-50m	3/11/08	957	0.08	2.5	0.38	5.3	0.06	0.8	18.8	528	0.23	7.2	6.0	84	0.12	34.836	24.8	8.1	6.87	0.35
T5-50m	6/9/08	1032	0.14	4.2	0.48	6.7	0.16	2.2	18.2	511	0.29	8.9	6.4	90	0.12	34.5909	25.2	8.12	5.78	0.19
<b>Geomean '07-'08</b>			<b>3.4</b>		<b>2.0</b>		<b>1.8</b>				<b>9.4</b>		<b>85</b>		<b>0.11</b>					<b>0.18</b>
T5-50m	9/23/08	1047	0.03	1	0.11	1.6	0.38	5.3	2.5	70	0.35	10.8	4.1	58	0.06	34.834	26.7	8.06	5.92	0.09
T5-50m	12/8/08	1028	0.17	5.2	0.25	3.5	0.34	4.8	1.7	49	0.45	14	5.5	77	0.07	34.975	26.1	8.30	5.22	0.09
T5-50m	2/10/09	921	0.11	3.4	0.41	5.8	0.12	1.7	2.9	80	0.34	10.6	7.9	111	0.08	35.044	24.8	8.05	6.03	0.04
T5-50m	2/10/09	1013	0.27	8.5	0.46	6.4	0.41	5.7	5.4	152	0.30	9.3	6.0	84	0.10	34.904	26.7	8.21	5.93	0.15
<b>Geomean '08-'09</b>			<b>3.5</b>		<b>3.8</b>		<b>4.0</b>				<b>11.0</b>		<b>80</b>		<b>0.08</b>					<b>0.08</b>
T5-50m	9/10/09	1013	0.13	4	0.16	2.2	1.50	21	34.4	966	0.69	21.4	7.3	103	0.07	35.24	27.3	8.21	5.92	0.28
T5-50m	11/24/09	943	0.02	0.766	0.19	2.6	0.74	10.3	5.6	158	0.37	11.5	4.0	57	0.03	35.26	25.2	8.24	6.46	0.12
T5-50m	2/24/10	1016	0.16	5.1	1.02	14.3	0.36	5	9.2	259	0.46	14.1	8.7	122	0.09	35.12	24.7	8.23	5.46	0.58
T5-50m	2/24/10	933	0.02	0.7	0.06	0.8	0.28	3.9	2.9	82	0.23	7.1	3.6	50	0.04	34.79	25.2	8.25	6.64	0.06
<b>Geomean '09-'10</b>			<b>1.8</b>		<b>2.8</b>		<b>8.1</b>				<b>12.5</b>		<b>77</b>		<b>0.05</b>					<b>0.18</b>
T5-50m	8/11/10	950	0.02	0.6	0.09	1.2	0.02	0.3	1.8	50	0.29	8.9	2.9	41	0.05	34.93	26.07	8.24	6.83	0.13
T5-50m	11/9/10	948	0.02	0.766	0.19	2.6	0.74	10.3	5.6	158	0.37	11.5	4.0	57	0.10	34.91	26.25	8.29	6.36	0.05
T5-50m	1/11/11	1216	0.15	4.5	0.41	5.7	0.16	2.3	6.3	177	0.42	12.9	3.7	51	0.05	35.01	25.08	8.20	6.54	0.09
T5-50m	4/27/11	956	0.14	4.2	0.36	5.1	0.27	3.8	6.0	169	0.45	13.8	4.0	57	0.08	34.87	24.93	8.23	6.37	0.12
<b>Geomean '10-'11</b>			<b>1.7</b>		<b>3.1</b>		<b>2.3</b>				<b>11.6</b>		<b>51</b>		<b>0.07</b>					<b>0.09</b>
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)



NELHA Water Quality Laboratory

Transect 5, Station 3

July 1993 - June 2015

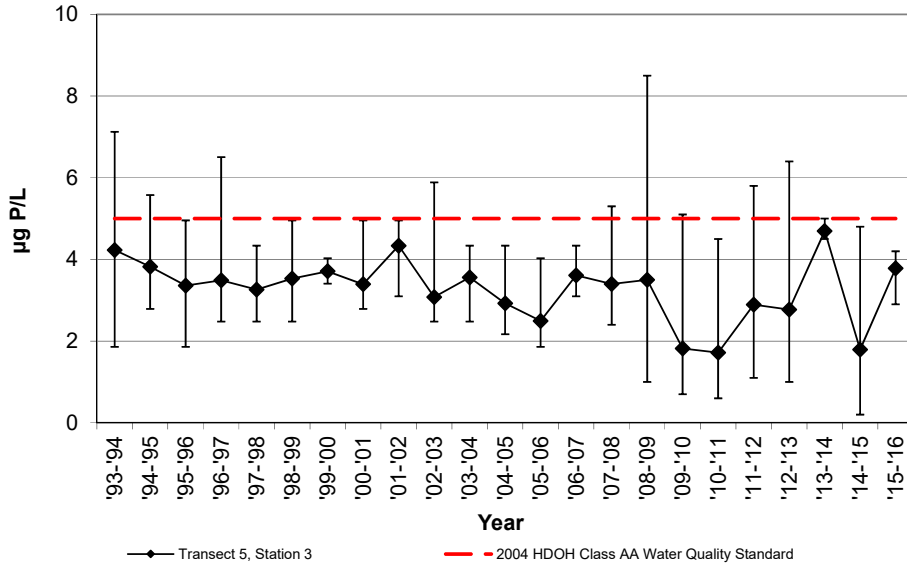
DOH LIMIT			5		4.5		2.5				12.5		100		0.10						0.30	
T5-50m	7/27/11	1039	0.19	5.8	0.48	6.7	0.18	2.5	3.1	87	0.50	15.4	5.0	70	0.05	34.75	26.10	8.22	6.40	0.08		
T5-50m	10/19/11	1019	0.04	1.1	0.16	2.3	0.08	1.1	2.4	67	0.37	11.4	4.9	68	0.06	35.11	26.53	8.27	7.20	0.07		
T5-50m	1/26/12	947	0.07	2.2	0.25	3.5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

NELHA Water Quality Laboratory

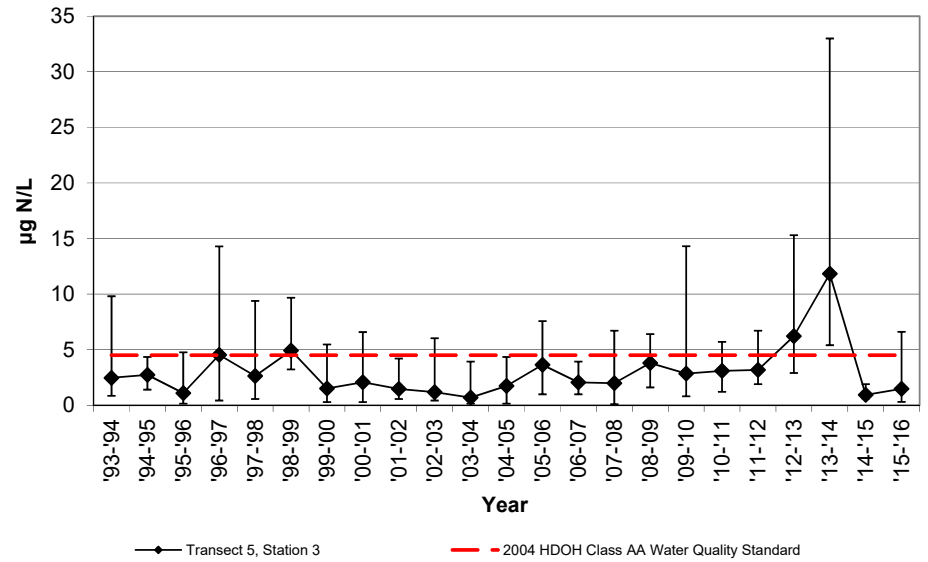
Transect 5, Station 3

July 1993 - June 2015

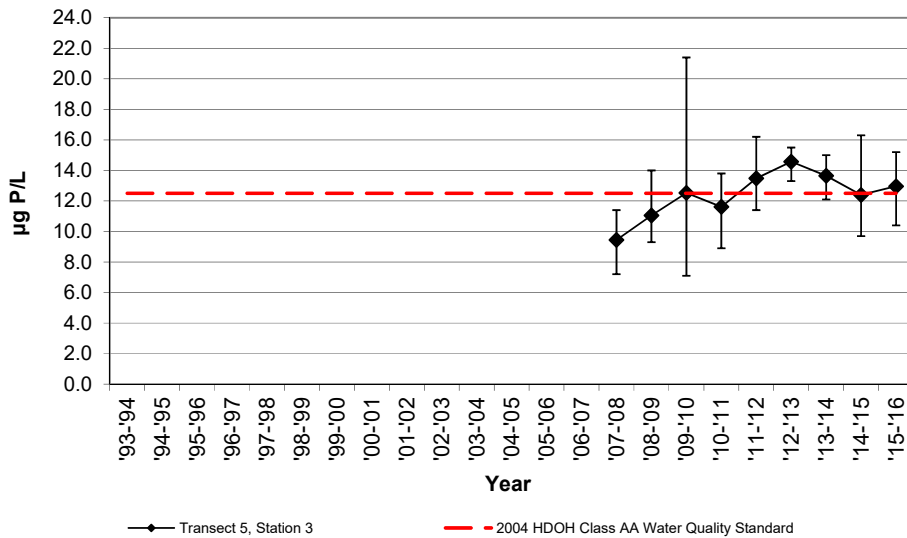
NELHA Offshore Transect 5, Station 3  
Yearly Geometric Mean of Ortho-Phosphate



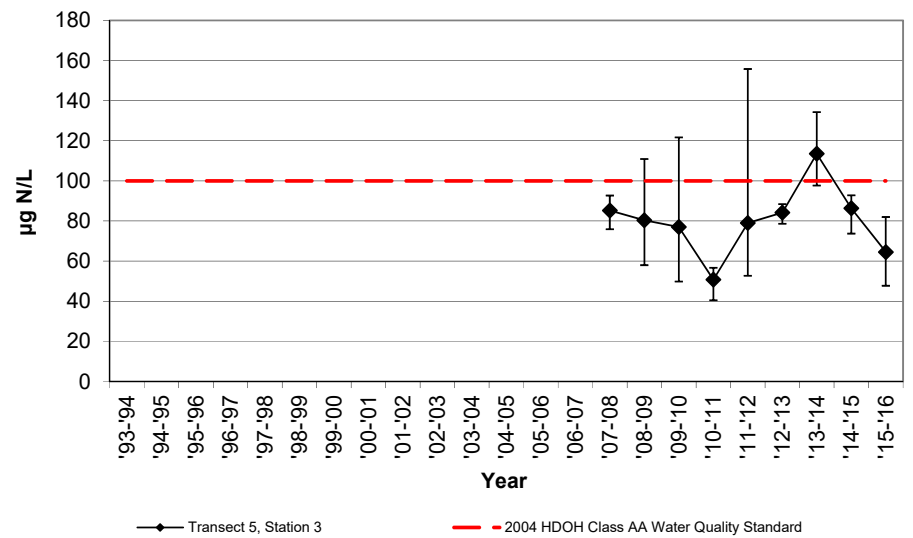
NELHA Offshore Transect 5, Station 3  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 5, Station 3  
Yearly Geometric Mean of  
Total Dissolved Phosphorous



NELHA Offshore Transect 5, Station 3  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

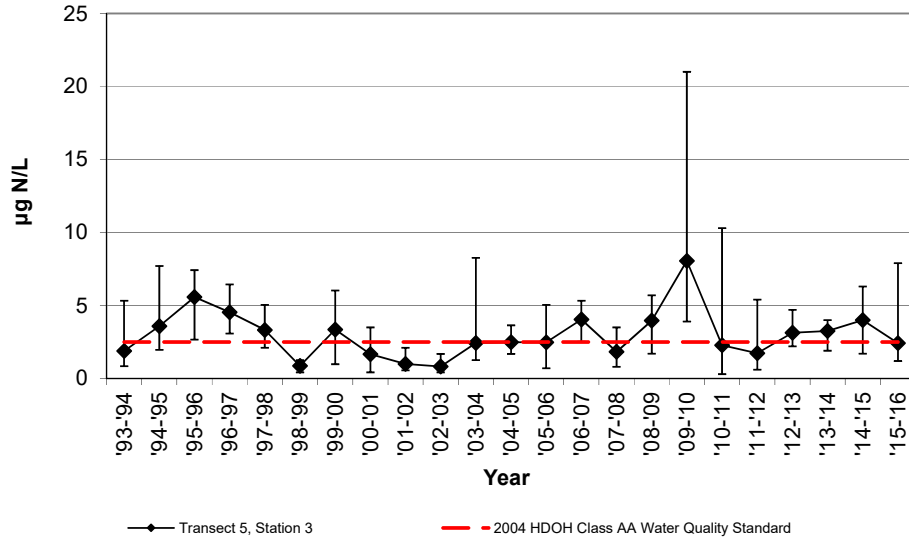


NELHA Water Quality Laboratory

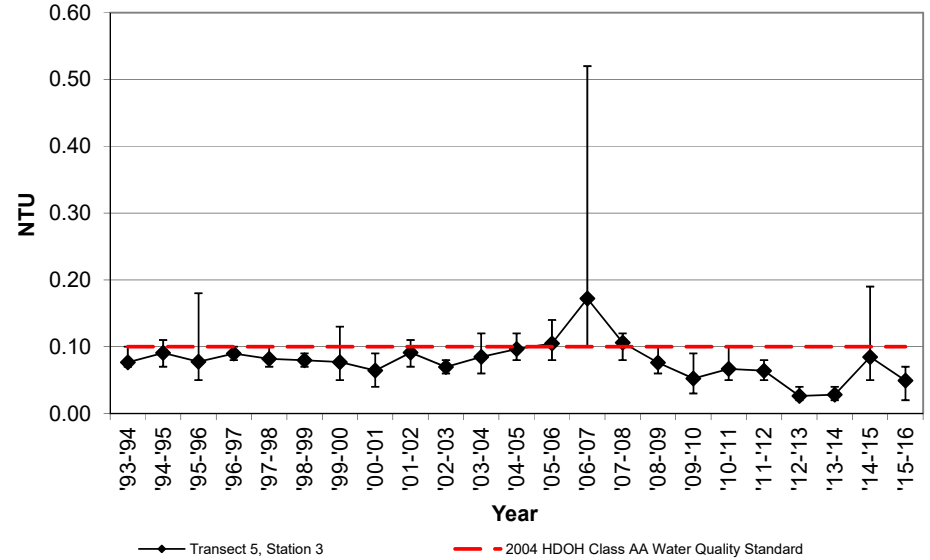
Transect 5, Station 3

July 1993 - June 2015

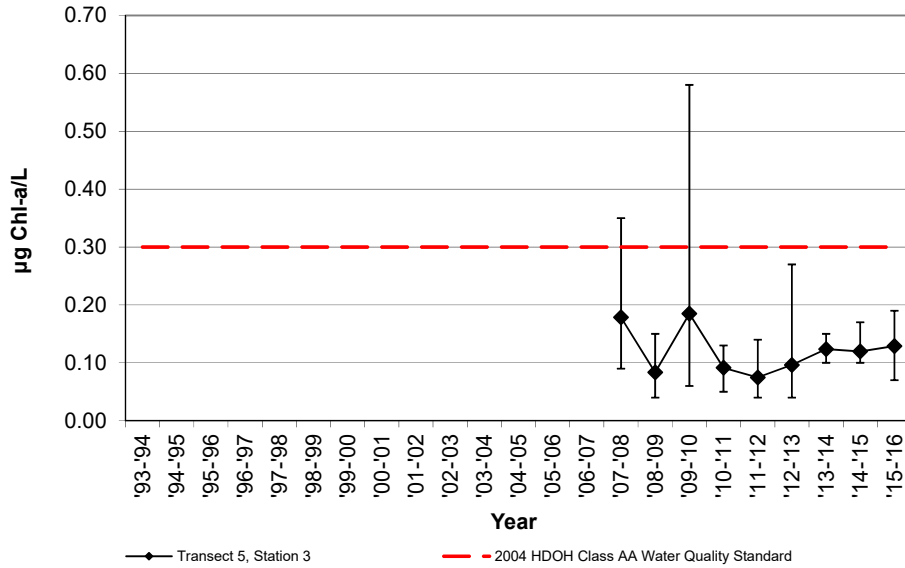
**NELHA Offshore Transect 5, Station 3**  
Yearly Geometric Mean of Total Ammonia



**NELHA Offshore Transect 5, Station 3**  
Yearly Geometric Mean of Turbidity



**NELHA Offshore Transect 5, Station 3**  
Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 5, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.1</b>					<b>0.3</b>
O5-4S-53m	7/26/93	1020	0.11	3.4	0.13	1.8	0.38	5.3	3.3	93					0.08	34.417	26.8			
O5-4S-53m	12/6/93	1106	0.09	2.8	0.21	2.9	0.05	0.7	2.3	64					0.09	34.873	25.7			
O5-4S-53m	3/7/94	1017	0.23	7.1	0.59	8.3	0.26	3.6	5.1	142					0.07	34.164	25.1			
O5-4S-53m	6/15/94	1014	0.20	6.2	0.03	0.4	0.12	1.7	3.2	90					0.11	34.555	25.9			
<b>Geomean 93/</b>	<b>'93-'94</b>		<b>4.5</b>		<b>2.1</b>		<b>2.2</b>								<b>0.09</b>					
O5-4S-53m	9/9/94	1033	0.08	2.5	0.05	0.7	0.15	2.1	3.0	85					0.07	34.607	27.8			
O5-4S-53m	11/14/94	919	0.13	4.0	0.35	4.9	0.59	8.3	5.4	151					0.09	34.555	26.2			
O5-4S-53m	3/22/95	959	0.16	5.0	0.12	1.7	0.35	4.9	2.7	75					0.08	34.213	25.3			
O5-4S-53m	6/20/95	950	0.12	3.7	0.16	2.2	0.12	1.7	2.2	62					0.07	34.449	26.3			
<b>Geomean</b>	<b>'94-'95</b>		<b>3.7</b>		<b>1.9</b>		<b>3.5</b>								<b>0.08</b>					
O5-4S-53m	9/28/95	831	0.06	1.9	0.07	1.0	0.49	6.9	1.6	45					0.08	34.605	27.2			
O5-4S-53m	11/14/95	941	0.09	2.8	0.07	1.0	0.49	6.9	1.4	40					0.07	34.352	26.8			
O5-4S-53m	3/12/96	1014	0.15	4.6	0.23	3.2	0.56	7.8	4.3	119					0.08	34.151	25.6			
O5-4S-53m	5/14/96	1012	0.10	3.1	0.27	3.8	0.16	2.2	4.7	131					0.08	34.258	27.2			
<b>Geomean</b>	<b>'95-'96</b>		<b>2.9</b>		<b>1.8</b>		<b>5.4</b>								<b>0.08</b>					
O5-4S-53m	7/31/96	1042	0.09	2.8	0.71	9.9	0.50	7.0	8.5	239					0.12	34.263	27.8			
O5-4S-53m	10/2/96	1010	0.09	2.8	0.04	0.6	0.33	4.6	3.4	95					0.09	34.626	28.1			
O5-4S-53m	1/7/97	1011	0.13	4.0	1.20	16.8	0.22	3.1	8.3	232					0.12	34.496	25.6			
O5-4S-53m	4/28/97	1033	0.18	5.6	0.84	11.8	0.39	5.5	9.7	271					0.14	34.203	26.7			
<b>Geomean</b>	<b>'96-'97</b>		<b>3.6</b>		<b>5.8</b>		<b>4.8</b>								<b>0.12</b>					
O5-4S-53m	8/19/97	1017	0.12	3.7	0.83	11.6	0.29	4.1	7.4	209					0.11	34.513	27.0			
O5-4S-53m	10/7/97	916	0.11	3.4	0.09	1.3	0.33	4.6	2.6	73					0.09	34.738	27.6			
O5-4S-53m	3/4/98	1018	0.14	4.3	0.78	10.9	0.23	3.2	12.7	358					0.08	34.891	25.0			
O5-4S-53m	5/5/98	1026	0.07	2.2	0.05	0.7	0.22	3.1	2.4	68					0.06	35.090	24.2			
<b>Geomean</b>	<b>'97-'98</b>		<b>3.3</b>		<b>3.3</b>		<b>3.7</b>								<b>0.08</b>					
O5-4S-53m	7/7/98	1051	0.12	3.7	0.49	6.9	0.02	0.3	12.0	336					0.12	34.859	26.3			
O5-4S-53m	10/6/98	1000	0.11	3.4	0.29	4.1	0.11	1.5	4.0	113					0.10	35.088	27.1			
O5-4S-53m	1/19/99	1035	0.08	2.5	0.17	2.4	0.05	0.7	3.9	110					0.08	35.102	25.4			
O5-4S-53m	4/13/99	1117	0.16	5.0	0.64	9.0	0.07	1.0	8.8	248					0.08	34.486	24.5			
<b>Geomean</b>	<b>'98-'99</b>		<b>3.5</b>		<b>4.9</b>		<b>0.7</b>								<b>0.09</b>					
O5-4S-53m	8/16/99	1050	0.13	4.0	0.21	2.9	0.42	5.9	3.1	87					0.15	34.832	26.4			
O5-4S-53m	10/25/99	1138	0.13	4.0	0.45	6.3	0.35	4.9	21.5	605					0.08	34.826	26.4			
O5-4S-53m	1/12/00	1038	0.11	3.4	0.01	0.1	0.29	4.1	7.3	206					0.07	35.131	25.0			
O5-4S-53m	4/11/00	946	0.11	3.4	0.14	2.0	0.08	1.1	3.8	108					0.06	34.825	24.5			
<b>Geomean</b>	<b>'99-'00</b>		<b>3.7</b>		<b>1.5</b>		<b>3.4</b>								<b>0.08</b>					
O5-4S-53m	7/25/00	1054	0.11	3.4	0.15	2.1	0.05	0.7	3.6	101					0.07	34.848	26.8			
O5-4S-53m	10/31/00	1040	0.09	2.8	0.03	0.4	0.22	3.1	4.7	131					0.05	34.970	27.1			
O5-4S-53m	3/6/01	1029	0.15	4.6	0.39	5.5	0.12	1.7	4.5	127					0.08	34.668	24.9			
O5-4S-53m	5/8/01	1125	0.10	3.1	0.33	4.6	0.25	3.5	6.0	169					0.07	34.695	25.0			
<b>Geomean</b>	<b>'00-'01</b>		<b>3.4</b>		<b>2.2</b>		<b>1.9</b>								<b>0.07</b>					
O5-4S-53m	8/13/01	923	0.10	3.1	0.03	0.4	0.17	2.4	2.4	68					0.10	34.858	26.6			
O5-4S-53m	10/10/01	1034	0.17	5.3	0.14	2.0	0.04	0.6	3.5	98					0.14	34.918	27.5			
O5-4S-53m	3/6/02	948	0.14	4.3	0.18	2.5	0.06	0.8	6.4	179					0.12	34.669	24.2			
O5-4S-53m	4/15/02	952	0.13	4.0	0.43	6.0	0.05	0.7	4.4	124					0.07	34.433	25.6			
<b>Geomean</b>	<b>'01-'02</b>		<b>4.1</b>		<b>1.9</b>		<b>0.9</b>								<b>0.10</b>					

NELHA Water Quality Laboratory

Transect 5, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O5-4S-53m	7/10/02	949	0.18	5.6	0.03	0.4	0.09	1.3	2.3	64					0.10	34.700	26.6			
O5-4S-53m	10/8/02	956	0.06	1.9	0.45	6.3	0.12	1.7	4.1	114					0.07	34.870	27.1			
O5-4S-53m	3/11/03	1120	0.06	1.9	0.07	1.0	0.03	0.4	3.1	87					0.10	34.709	25.2			
O5-4S-53m	4/23/03	951	0.08	2.5	0.03	0.4	0.03	0.4	0.9	26					0.07	35.037	25.0			
<b>Geomean</b>	<b>'02-'03</b>		<b>2.6</b>		<b>1.0</b>		<b>0.8</b>								<b>0.08</b>					
O5-4S-53m	8/21/03	939	0.07	2.2	0.01	0.1	0.10	1.4	1.9	54					0.08	34.843	28.2			
O5-4S-53m	11/3/03	922	0.12	3.7	0.01	0.1	0.10	1.4	2.2	63					0.10	34.627	29.3			
O5-4S-53m	3/18/04	940	0.13	4.0	0.14	2.0	0.27	3.8	2.8	78					n/a	34.383	25.7			
O5-4S-53m	5/24/04	1009	0.17	5.3	0.30	4.2	0.14	2.0	4.1	116					n/a	33.36	26.8			
<b>Geomean</b>	<b>'03-'04</b>		<b>3.6</b>		<b>0.6</b>		<b>2.0</b>								<b>0.09</b>					
O5-4S-53m	9/22/04	1043	0.07	2.2	0.01	0.1	0.28	3.9	3.0	83					0.06	33.76	27.5			
O5-4S-53m	11/29/04	947	0.10	3.1	0.26	3.6	0.16	2.2	2.1	59					0.08	33.74	27.1			
O5-4S-53m	1/24/05	1024	0.09	2.8	0.51	7.1	0.13	1.8	5.7	159					0.08	34.841	25.6			
O5-4S-53m	4/13/05	1027	0.12	3.7	0.16	2.2	0.18	2.5	2.8	79					0.09	34.444	23.5			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.9</b>		<b>1.7</b>		<b>2.5</b>								<b>0.08</b>					
O5-4S-53m	7/21/05	942	0.05	1.5	0.24	3.4	0.36	5.0	3.8	107					0.11	34.663	27.4			
O5-4S-53m	10/13/05	927	0.05	1.5	0.09	1.3	0.16	2.2	2.4	67					0.11	34.862	27.3			
O5-4S-53m	3/15/06	839	0.08	2.5	0.07	1.0	0.27	3.8	3.0	85					0.12	34.851	24.3			
O5-4S-53m	5/17/06	932	0.13	4.0	0.85	11.9	0.05	0.7	7.8	220					0.08	34.496	24.7			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.2</b>		<b>2.7</b>		<b>2.3</b>								<b>0.10</b>					
O5-4S-53m	8/16/06	942	0.11	3.4	0.28	3.9	0.31	4.3	3.1	86					0.11	34.618	26.8			
O5-4S-53m	11/20/06	939	0.10	3.1	0.20	2.8	0.23	3.2	2.1	60					0.14	34.804	26.6			
O5-4S-53m	2/12/07	1031	0.13	4.0	0.16	2.2	0.49	6.9	0.8	21					0.13	34.436	24.5			
O5-4S-53m	4/16/07	1024	0.15	4.6	1.09	15.3	0.50	7.0	11.0	309					0.18	34.406	26.0			
<b>Geomean</b>	<b>'06-'07</b>		<b>3.7</b>		<b>4.4</b>		<b>5.1</b>								<b>0.14</b>					
T5-100m	9/27/07	900	0.16	5.0	0.26	3.6	0.19	2.6	15.1	424	0.16	5.0	6.0	84	0.08	34.916	26.8	8.06	6.04	0.14
T5-100m	12/14/07	950	0.07	2.3	0.01	0.1			3.0	85	0.16	5.1	5.3	74	0.09	34.881	25.7	8.23	6.48	0.15
T5-100m	3/11/08	1001	0.12	3.6	0.79	11.1	0.06	0.8	13.7	386	0.10	3.1	6.4	90	0.11	34.695	24.8	8.09	6.71	0.36
T5-100m	6/9/08	1035	0.09	2.8	0.20	2.8	0.16	2.2	17.9	502	0.28	8.8	5.1	72	0.14	34.6419	25.3	8.11	5.62	0.23
<b>Geomean</b>	<b>'07-'08</b>		<b>3.3</b>		<b>1.8</b>		<b>1.7</b>				<b>5.1</b>		<b>80</b>		<b>0.10</b>					<b>0.20</b>
T5-100m	9/23/08	1052	0.04	1.2	0.07	1	0.33	4.6	2.3	64	0.34	10.5	5.2	73	0.08	34.830	26.6	8.06	5.81	0.06
T5-100m	12/8/08	1036	0.15	4.8	0.26	3.7	0.27	3.8	1.8	51	0.33	10.2	5.0	70	0.05	34.983	26.0	8.30	5.10	0.08
T5-100m	2/10/09	927	0.16	5	0.10	1.4	0.12	1.7	1.7	47	0.36	11.3	10.7	150	0.07	35.129	24.7	8.07	6.01	0.02
T5-100m	6/30/09	1020	0.25	7.7	0.33	4.6	0.12	1.7	7.0	197	0.43	13.4	5.8	81	0.05	34.909	26.7	8.20	5.67	0.07
<b>Geomean</b>	<b>'08-'09</b>		<b>3.9</b>		<b>2.2</b>		<b>2.7</b>				<b>11.3</b>		<b>89</b>		<b>0.06</b>					<b>0.05</b>
T5-100m	9/10/09	1022	0.11	3.4	0.07	1	0.13	1.8	4.2	119	0.50	15.5	5.3	74	0.06	35.24	27.4	8.21	5.56	0.29
T5-100m	11/24/09	948	0.02	0.766	0.19	2.6	0.11	1.6	8.9	250	0.33	10.3	4.2	60	0.04	35.27	25.2	8.24	6.51	0.1
T5-100m	2/24/10	1021	0.18	5.6	0.82	11.5	0.30	4.2	7.2	202	0.45	13.9	8.4	117	0.11	35.11	24.7	8.22	5.44	0.49
T5-100m	5/25/10	938	0.02	0.7	0.06	0.9	0.51	7.2	1.8	51	0.24	7.3	5.2	74	0.06	34.80	25.2	8.27	6.67	0.02
<b>Geomean</b>	<b>'09-'10</b>		<b>1.8</b>		<b>2.3</b>		<b>3.1</b>				<b>11.3</b>		<b>79</b>		<b>0.06</b>					<b>0.13</b>
T5-100m	8/11/10	955	0.01	0.4	0.06	0.9	0.01	0.2	1.6	46	0.29	9.1	2.8	39	0.05	34.97	26.04	8.23	6.70	0.13
T5-100m	11/9/10	952	0.02	0.766	0.19	2.6	0.11	1.6	8.9	250	0.33	10.3	4.2	60	0.09	34.95	26.45	8.29	6.25	0.03
T5-100m	1/11/11	1225	0.18	5.6	1.45	20.3	0.29	4.0	10.2	286	0.43	13.4	3.9	55	0.04	34.66	25.06	8.18	6.57	0.08
T5-100m	4/27/11	1001	0.15	4.8	0.46	6.5	0.25	3.5	6.2	175	0.51	15.8	4.0	57	0.09	34.86	25.10	8.22	6.23	0.10
<b>Geomean</b>	<b>'10-'11</b>		<b>1.7</b>		<b>4.2</b>		<b>1.5</b>				<b>11.9</b>		<b>52</b>		<b>0.06</b>					<b>0.07</b>

NELHA Water Quality Laboratory

Transect 5, Station 4

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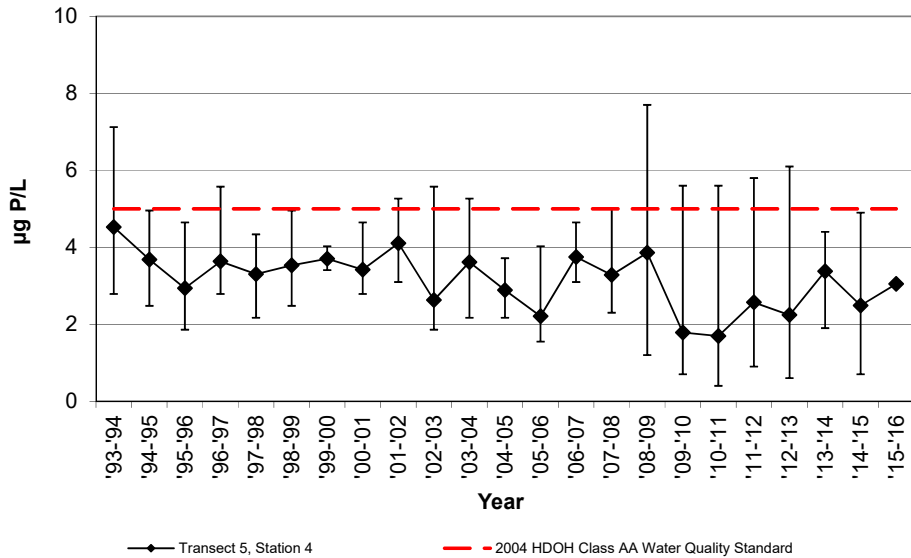
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)	
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>						<b>0.30</b>
T5-100m	7/27/11	1045	0.19	5.8	0.39	5.4	0.15	2.1	3.4	95	0.49	15.1	3.9	55	0.10	34.76	26.07	8.22	6.33	0.09	
T5-100m	10/19/11	1024	0.03	0.9	0.02	0.3	0.01	0.1	2.7	76	0.42	13.1	5.1	72	0.08	35.12	26.41	8.26	7.04	0.09	
T5-100m	1/26/12	951	0.06	1.9	0.12	1.7	0.06	0.8	2.4	68	0.41	12.6	4.9	69	0.06	35.02	24.45	8.19	6.56	0.07	
T5-100m	4/25/12	1017	0.14	4.4	0.08	1.1	0.22	3.1	0.8	23	0.56	17.5	7.1	99	0.05	34.85	24.90	8.19	6.64	0.06	
<b>Geomean</b>	<b>'11-'12</b>		<b>2.6</b>		<b>1.3</b>		<b>0.8</b>				<b>14.5</b>		<b>72</b>		<b>0.07</b>						<b>0.08</b>
T5-100m	7/25/12	1005	0.02	0.6	0.09	1.2	0.12	1.7	2.0	56	0.48	14.9	6.0	84	0.12	35.02	26.42	8.24	6.83	0.14	
T5-100m	11/28/12	1006	0.07	2.3	0.03	0.4	0.16	2.3	1.4	39	0.37	11.6	5.1	71	0.05	35.29	25.38	8.21	6.78	0.19	
T5-100m	1/24/13	954	0.10	3	0.51	7.2	0.04	0.6	4.1	116	0.47	14.5	5.1	72	0.03	35.00	24.75	8.20	6.25	0.16	
T5-100m	4/17/13	1108	0.20	6.1	0.86	12	0.27	3.8	4.9	137	0.57	17.6	6.2	87	0.02	35.04	25.19	8.20	6.43	0.05	
<b>Geomean</b>	<b>'12-'13</b>		<b>2.2</b>		<b>2.5</b>		<b>1.7</b>				<b>14.5</b>		<b>78</b>		<b>0.04</b>						<b>0.12</b>
T5-100m	8/6/13	1045	0.06	1.9	0.22	3.1	0.06	0.9	2.5	71	0.35	10.9	5.6	79	0.03	35.23	26.6	8.26	6.92	0.11	
T5-100m	10/30/13	947	0.13	3.9	0.10	1.4	0.12	1.7	1.2	35	0.57	17.6	6.3	88	0.02	34.94	27.1	8.22	6.05	0.06	
T5-100m	2/5/14	1014	0.14	4.4	0.44	6.1	0.34	4.8	3.6	100	0.57	17.8	6.5	91	0.02	34.94	25.2	8.20	6.23	0.13	
T5-100m	5/7/14	1009	0.13	4.0	0.91	12.8	0.15	2.1	6.1	170	0.44	13.7	7.2	101	0.02	34.67	25.7	8.20	5.43	0.18	
<b>Geomean</b>	<b>'13-'14</b>		<b>3.4</b>		<b>4.3</b>		<b>2.0</b>				<b>14.7</b>		<b>89</b>		<b>0.02</b>						<b>0.11</b>
T5-100m	8/6/14	1000	0.16	4.9	0.01	0.2	0.35	4.9	0.6	17	0.48	15.0	6.2	88	0.08	34.96	26.9	8.23	6.07	0.06	
T5-100m	12/4/14	1034	0.10	3.2	0.04	0.6	0.51	7.1	0.4	13	0.46	14.1	6.3	88	0.05	35.25	26.4	8.26	6.25	0.19	
T5-100m	3/5/15	1035	0.02	0.7	0.09	1.3	0.15	2.1	0.6	16	0.32	9.8	6.4	89	0.10	34.75	25.3	8.30	6.82	0.12	
T5-100m	6/18/15	1006	0.11	3.5	0.64	9.0	0.46	6.5	4.3	121	0.31	9.5	5.8	81	0.04	34.37	26.7	8.18	6.52	0.19	
<b>Geomean</b>	<b>'14-'15</b>		<b>2.5</b>		<b>1.1</b>		<b>4.7</b>				<b>11.8</b>		<b>86</b>		<b>0.06</b>						<b>0.13</b>
T5-100m	8/27/15	1012	0.13	4.1	0.01	0.1	0.21	3.0	1.3	36	0.35	10.9	4.4	61	0.02	34.66	28.6	8.27	5.94	0.17	
T5-100m	11/18/15	1039	0.13	3.9	0.36	5.0	0.23	3.2	3.7	103	0.48	15.0	4.9	68	0.07	34.65	27.4	8.27	6.69	0.10	
T5-100m	3/2/16	923	0.12	3.6	0.20	2.8	0.44	6.2	0.2	6	0.43	13.2	3.7	52	0.07	34.68	25.3	8.24	5.81	0.07	
T5-100m	5/4/16	1019	0.05	1.5	0.02	0.3	0.14	2.0	0.0	0	0.47	14.7	7.0	98	0.08	34.71	25.9	8.18	6.16	0.18	
<b>Geomean</b>	<b>'15-'16</b>		<b>3.0</b>		<b>0.8</b>		<b>3.3</b>				<b>13.3</b>		<b>68</b>		<b>0.05</b>						<b>0.12</b>

NELHA Water Quality Laboratory

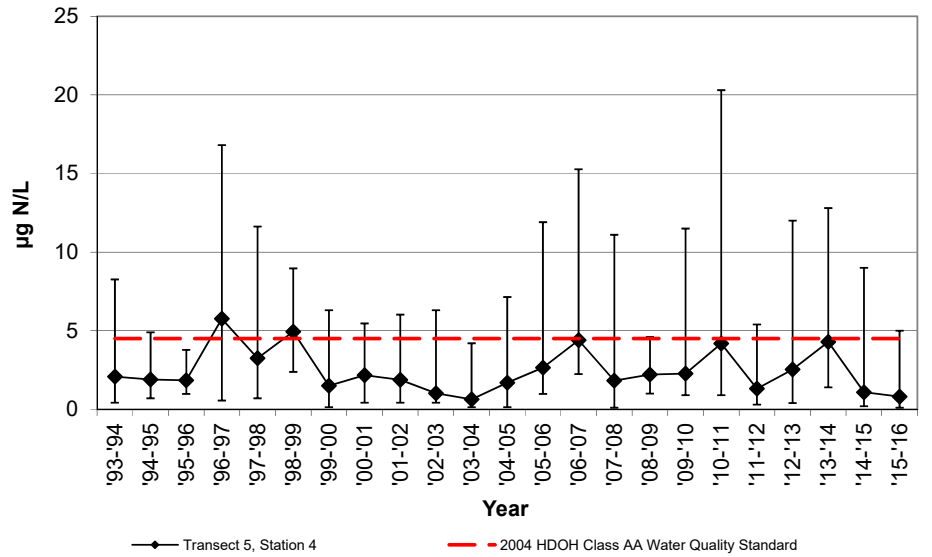
Transect 5, Station 4

July 1993 - June 2015

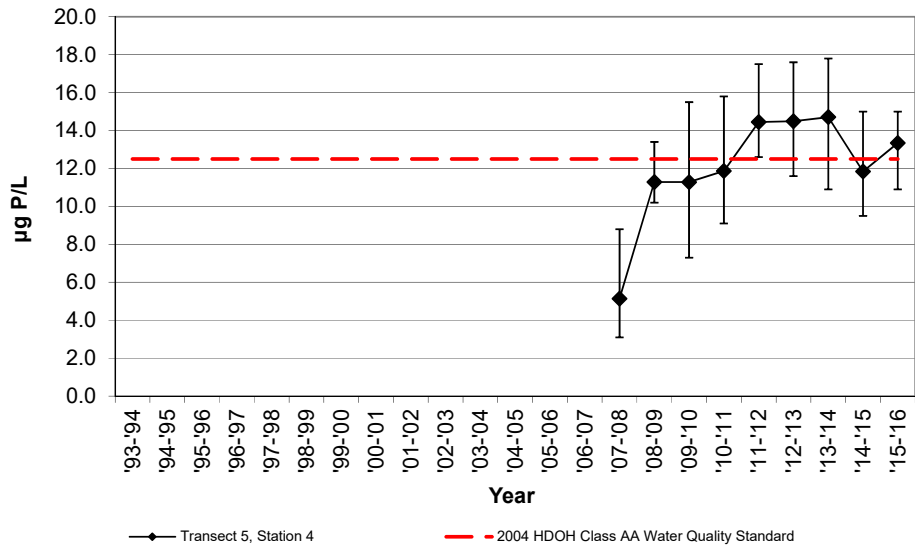
**NELHA Offshore Transect 5, Station 4**  
Yearly Geometric Mean of Ortho-Phosphate



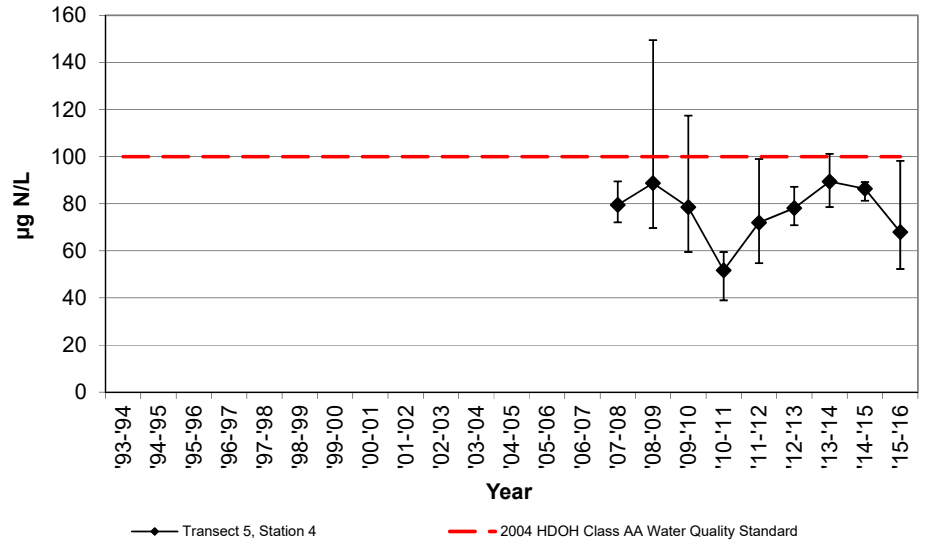
**NELHA Offshore Transect 5, Station 4**  
Yearly Geometric Mean of Nitrate + Nitrite



**NELHA Offshore Transect 5, Station 4**  
Yearly Geometric Mean of  
Total Dissolved Phosphorous



**NELHA Offshore Transect 5, Station 4**  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

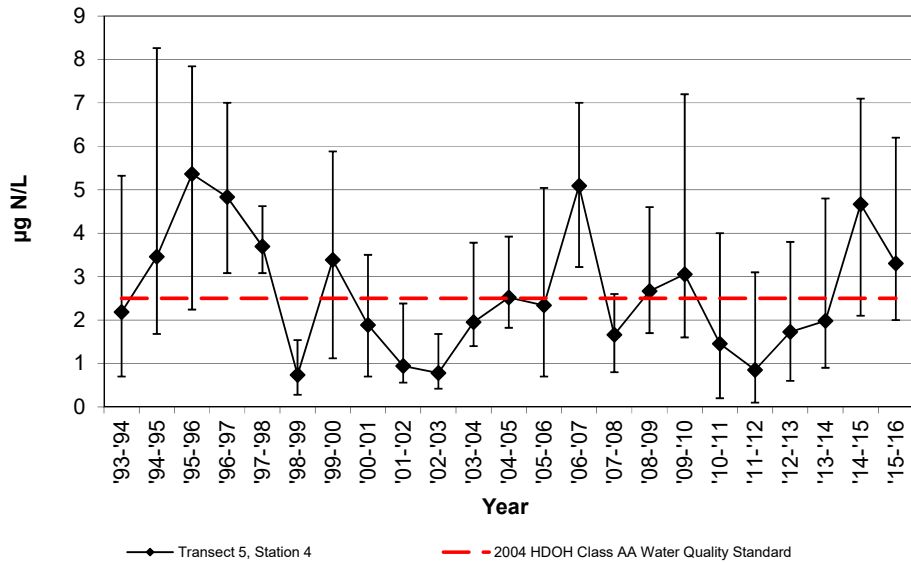


NELHA Water Quality Laboratory

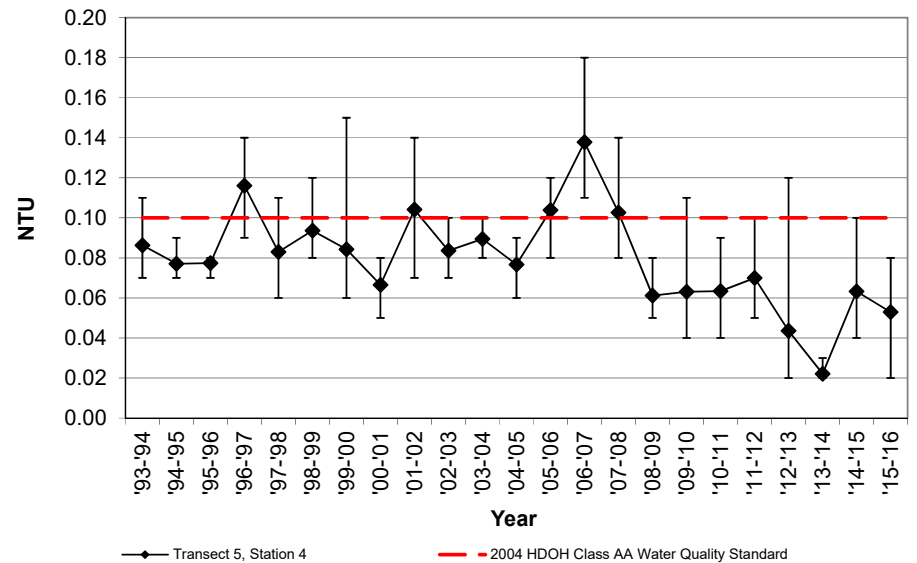
Transect 5, Station 4

July 1993 - June 2015

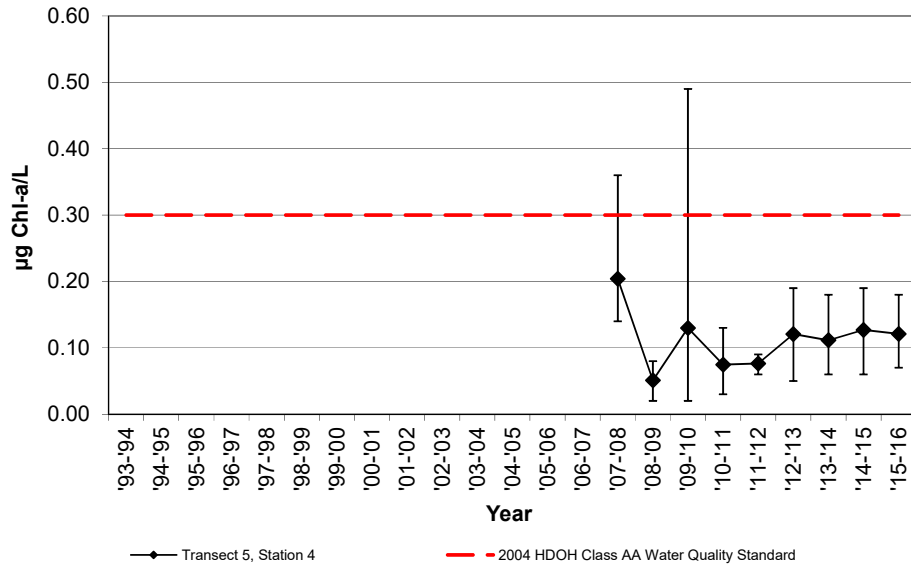
NELHA Offshore Transect 5, Station 4  
Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 5, Station 4  
Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 5, Station 4  
Yearly Geometric Mean of Chlorophyll-a





NELHA Water Quality Laboratory

Transect 5, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			5		4.5		2.5				12.5		100		0.1					0.3
O5-5S-69m	7/26/93	1031	0.11	3.4	0.13	1.8	0.45	6.3	3.2	90					0.08	34.418	26.9			
O5-5S-69m	12/6/93	1057	0.09	2.8	0.17	2.4	0.05	0.7	2.0	57					0.07	34.871	25.7			
O5-5S-69m	3/7/94	1010	0.20	6.2	0.19	2.7	0.26	3.6	2.5	70					0.07	34.275	25.0			
O5-5S-69m	6/15/94	1011	0.20	6.2	0.06	0.8	0.05	0.7	2.1	59					0.13	34.562	25.7			
<b>Geomean '93-'94</b>			<b>4.4</b>		<b>1.8</b>		<b>1.8</b>								<b>0.08</b>					
O5-5S-69m	9/9/94	1023	0.07	2.2	0.06	0.8	0.15	2.1	2.4	66					0.07	34.606	27.8			
O5-5S-69m	11/14/94	915	0.14	4.3	0.24	3.4	0.59	8.3	3.8	106					0.07	34.596	26.1			
O5-5S-69m	3/22/95	957	0.16	5.0	0.13	1.8	0.35	4.9	3.2	89					0.08	34.211	25.2			
O5-5S-69m	6/20/95	947	0.12	3.7	0.11	1.5	0.09	1.3	2.2	62					0.07	34.464	26.3			
<b>Geomean '94-'95</b>			<b>3.6</b>		<b>1.7</b>		<b>3.2</b>								<b>0.07</b>					
O5-5S-69m	9/28/95	841	0.06	1.9	0.07	1.0	0.42	5.9	2.0	56					0.16	34.606	27.2			
O5-5S-69m	11/14/95	936	0.09	2.8	0.07	1.0	0.45	6.3	1.9	53					0.04	34.350	26.9			
O5-5S-69m	3/12/96	1009	0.15	4.6	0.26	3.6	0.58	8.1	4.0	112					0.05	34.140	25.5			
O5-5S-69m	5/14/96	1006	0.13	4.1	0.09	1.3	0.16	2.2	2.6	74					0.07	34.317	27.3			
<b>Geomean '95-'96</b>			<b>3.1</b>		<b>1.4</b>		<b>5.1</b>								<b>0.07</b>					
O5-5S-69m	7/31/96	1038	0.08	2.5	0.75	10.5	0.50	7.0	9.5	268					0.10	34.238	27.9			
O5-5S-69m	10/2/96	1005	0.08	2.5	0.06	0.8	0.32	4.5	3.2	89					0.11	34.633	28.1			
O5-5S-69m	1/7/97	1006	0.12	3.7	0.82	11.5	0.22	3.1	7.3	206					0.09	34.570	25.5			
O5-5S-69m	4/28/97	1027	0.20	6.2	0.80	11.2	0.43	6.0	12.3	346					0.12	34.202	26.6			
<b>Geomean '96-'97</b>			<b>3.4</b>		<b>5.8</b>		<b>4.9</b>								<b>0.10</b>					
O5-5S-69m	8/19/97	1010	0.12	3.7	0.48	6.7	0.28	3.9	11.0	309					0.12	34.577	27.0			
O5-5S-69m	10/7/97	911	0.10	3.1	0.03	0.4	0.31	4.3	4.0	113					0.10	34.746	27.6			
O5-5S-69m	3/4/98	1010	0.12	3.7	0.63	8.8	0.23	3.2	6.5	183					0.09	34.914	25.0			
O5-5S-69m	5/5/98	1019	0.07	2.2	0.02	0.3	0.19	2.7	2.8	78					0.08	35.095	24.3			
<b>Geomean '97-'98</b>			<b>3.1</b>		<b>1.6</b>		<b>3.5</b>								<b>0.10</b>					
O5-5S-69m	7/7/98	1045	0.12	3.7	0.69	9.7	0.01	0.1	18.0	506					0.11	34.791	26.3			
O5-5S-69m	10/6/98	955	0.12	3.7	0.45	6.3	0.06	0.8	5.1	142					0.08	35.041	27.0			
O5-5S-69m	1/19/99	1030	0.07	2.2	0.01	0.1	0.05	0.7	4.4	123					0.07	35.141	25.3			
O5-5S-69m	4/13/99	1111	0.16	5.0	0.58	8.1	0.08	1.1	8.4	237					0.08	34.514	24.5			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>2.9</b>		<b>0.6</b>								<b>0.08</b>					
O5-5S-69m	8/16/99	1042	0.12	3.7	0.14	2.0	0.46	6.4	5.7	159					0.09	34.852	26.5			
O5-5S-69m	10/25/99	1134	0.10	3.1	0.29	4.1	0.35	4.9	5.8	163					0.08	34.864	26.4			
O5-5S-69m	1/12/00	1029	0.12	3.7	0.02	0.3	0.31	4.3	9.9	277					0.05	35.117	24.9			
O5-5S-69m	4/11/00	941	0.12	3.7	0.17	2.4	0.06	0.8	4.3	121					0.07	34.821	24.5			
<b>Geomean '99-'00</b>			<b>3.6</b>		<b>1.5</b>		<b>3.3</b>								<b>0.07</b>					
O5-5S-69m	7/25/00	1048	0.10	3.1	0.15	2.1	0.05	0.7	3.7	103					0.07	34.853	26.7			
O5-5S-69m	10/31/00	1034	0.09	2.8	0.02	0.3	0.25	3.5	2.3	63					0.09	34.957	27.2			
O5-5S-69m	3/6/01	1022	0.15	4.6	0.31	4.3	0.10	1.4	4.7	131					0.08	34.692	24.9			
O5-5S-69m	5/8/01	1122	0.11	3.4	0.41	5.7	0.25	3.5	7.2	202					0.09	34.672	25.0			
<b>Geomean '00-'01</b>			<b>3.4</b>		<b>2.0</b>		<b>1.9</b>								<b>0.08</b>					
O5-5S-69m	8/13/01	918	0.11	3.4	0.10	1.4	0.20	2.8	3.7	105					0.16	34.828	26.6			
O5-5S-69m	10/10/01	1027	0.13	4.0	0.04	0.6	0.01	0.1	3.8	107					0.06	34.948	27.6			
O5-5S-69m	3/6/02	944	0.14	4.3	0.17	2.4	0.06	0.8	4.6	128					0.05	34.657	24.2			
O5-5S-69m	4/15/02	945	0.14	4.3	0.29	4.1	0.03	0.4	5.8	162					0.07	34.438	25.5			
<b>Geomean '01-'02</b>			<b>4.0</b>		<b>1.7</b>		<b>0.6</b>								<b>0.08</b>					

NELHA Water Quality Laboratory

Transect 5, Station 5

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O5-5S-69m	7/10/02	942	0.16	5.0	0.03	0.4	0.12	1.7	2.0	55					0.06	34.698	26.5			
O5-5S-69m	10/8/02	949	0.06	1.9	0.15	2.1	0.09	1.3	2.1	58					0.08	34.936	27.1			
O5-5S-69m	3/11/03	1111	0.07	2.2	0.03	0.4	0.03	0.4	2.4	69					0.08	34.699	25.3			
O5-5S-69m	4/23/03	946	0.09	2.8	0.03	0.4	0.03	0.4	2.9	81					0.09	35.027	25.1			
<b>Geomean '02-'03</b>			<b>2.7</b>		<b>0.6</b>		<b>0.8</b>								<b>0.08</b>					
O5-5S-69m	8/21/03	931	0.09	2.8	0.01	0.1	0.10	1.4	2.0	57					0.08	34.830	28.3			
O5-5S-69m	11/3/03	900	0.12	3.7	0.01	0.1	0.05	0.7	2.3	65					0.10	34.602	27.1			
O5-5S-69m	3/18/04	928	0.10	3.1	0.14	2.0	0.27	3.8	1.8	50					n/a	34.413	25.8			
O5-5S-69m	5/24/04	1004	0.15	4.6	0.42	5.9	0.20	2.8	5.7	159					n/a	n/a	26.8			
<b>Geomean '03-'04</b>			<b>3.5</b>		<b>0.7</b>		<b>1.8</b>								<b>0.09</b>					
O5-5S-69m	9/22/04	1038	0.07	2.2	0.01	0.1	0.28	3.9	1.7	48					0.08	33.73	27.5			
O5-5S-69m	11/29/04	943	0.08	2.5	0.18	2.5	0.16	2.2	1.6	45					0.04	33.75	27.1			
O5-5S-69m	1/24/05	1018	0.10	3.1	0.45	6.3	0.16	2.2	5.5	153					0.10	34.717	25.6			
O5-5S-69m	4/13/05	1021	0.12	3.7	0.11	1.5	0.13	1.8	7.2	202					0.10	34.449	25.4			
<b>Geomean '04-'05</b>			<b>2.8</b>		<b>1.4</b>		<b>2.4</b>								<b>0.08</b>					
O5-5S-69m	7/21/05	936	0.06	1.9	0.50	7.0	0.35	4.9	5.7	160					0.13	34.586	27.3			
O5-5S-69m	10/13/05	921	0.05	1.5	0.11	1.5	0.18	2.5	5.2	147					0.11	34.842	27.1			
O5-5S-69m	3/15/06	843	0.09	2.8	0.07	1.0	0.35	4.9	1.7	48					0.07	34.861	24.5			
O5-5S-69m	5/17/06	927	0.13	4.0	0.69	9.7	0.05	0.7	8.0	225					0.10	34.579	24.7			
<b>Geomean '05-'06</b>			<b>2.4</b>		<b>3.2</b>		<b>2.6</b>								<b>0.10</b>					
O5-5S-69m	8/16/06	938	0.11	3.4	0.34	4.8	0.27	3.8	3.1	86					0.08	34.624	26.8			
O5-5S-69m	11/20/06	933	0.11	3.4	0.19	2.7	0.33	4.6	2.0	56					0.12	34.764	26.7			
O5-5S-69m	2/12/07	1022	0.16	5.0	0.12	1.7	0.36	5.0	0.5	15					0.19	34.439	24.6			
O5-5S-69m	4/16/07	1017	0.13	4.0	0.58	8.1	0.37	5.2	7.4	208					0.12	34.543	26.0			
<b>Geomean '06-'07</b>			<b>3.9</b>		<b>3.6</b>		<b>4.6</b>								<b>0.12</b>					
T5-500m	9/27/07	848	0.12	3.6	0.01	0.1	0.13	1.8	9.8	275	0.24	7.5	3.9	54	0.11	34.874	26.6	8.09	6.30	0.06
T5-500m	12/14/07	1000	0.10	3.1	0.01	0.1			2.5	70	0.38	11.9	6.7	94	0.16	34.741	25.8	8.24	6.58	0.1
T5-500m	3/11/08	1008	0.09	2.8	0.07	1.0	0.06	0.8	15.6	439	0.24	7.4	6.5	91	0.10	34.888	24.9	8.11	6.66	0.18
T5-500m	6/9/08	1044	0.07	2.3	0.05	0.7	0.16	2.2	14.2	400	0.21	6.6	5.1	72	0.18	34.4544	25.9	8.11	5.59	0.23
<b>Geomean '07-'08</b>			<b>2.9</b>		<b>0.3</b>		<b>1.5</b>					<b>8.1</b>	<b>76</b>		<b>0.13</b>					<b>0.13</b>
T5-500m	9/23/08	1100	0.03	0.9	0.00	0.01	2.44	34.2	1.5	42	0.29	9.1	6.8	95	0.06	34.833	26.7	8.07	6.07	0.13
T5-500m	12/8/08	1042	0.14	4.2	0.04	0.6	0.19	2.6	1.7	49	0.30	9.2	6.6	92	0.05	35.000	26.3	8.31	5.65	0.02
T5-500m	2/10/09	936	0.09	2.8	0.15	2.1	0.12	1.7	1.7	48	0.23	7.1	4.8	67	0.09	35.089	25.0	8.06	6.08	0.02
T5-500m	6/30/09	1028	0.24	7.5	0.23	3.2	0.12	1.7	5.1	144	0.52	16.1	6.0	84	0.08	34.897	26.8	8.20	5.70	0.07
<b>Geomean '08-'09</b>			<b>3.0</b>		<b>0.4</b>		<b>4.0</b>					<b>9.9</b>	<b>84</b>		<b>0.07</b>					<b>0.04</b>
T5-500m	9/10/09	1032	0.16	4.9	0.16	2.2	0.21	2.9	12.2	344	0.70	21.8	5.7	80	0.12	35.25	27.5	8.20	5.31	0.29
T5-500m	11/24/09	955	0.02	0.766	0.01	0.2	0.03	0.4	7.3	205	0.37	11.6	4.1	57	0.05	35.27	25.2	8.23	6.43	0.13
T5-500m	2/24/10	1028	0.14	4.3	1.10	15.4	0.32	4.5	10.0	280	0.42	12.9	6.8	95	0.07	35.15	24.6	8.22	5.50	0.34
T5-500m	5/25/10	946	0.02	0.7	0.03	0.4	0.37	5.2	1.6	44	0.29	9.1	5.8	82	0.04	34.82	25.3	8.28	6.67	0.06
<b>Geomean '09-'10</b>			<b>1.8</b>		<b>1.3</b>		<b>2.3</b>					<b>13.1</b>	<b>77</b>		<b>0.06</b>					<b>0.17</b>
T5-500m	8/11/10	1003	0.02	0.6	0.02	0.3	0.01	0.1	1.9	53	0.30	9.4	2.7	38	0.04	34.98	26.11	8.24	6.61	0.09
T5-500m	11/9/10	1001	0.02	0.766	0.01	0.2	0.03	0.4	7.3	205	0.37	11.6	4.1	57	0.08	34.94	26.47	8.29	6.20	0.08
T5-500m	1/11/11	1234	0.11	3.5	0.06	0.8	0.11	1.6	0.8	23	0.41	12.7	2.9	41	0.09	35.06	25.04	8.19	6.40	0.07
T5-500m	4/27/11	1007	0.12	3.8	0.29	4	0.26	3.7	4.1	116	0.46	14.3	3.6	50	0.06	34.87	25.02	8.22	6.16	0.18
<b>Geomean '10-'11</b>			<b>1.6</b>		<b>0.7</b>		<b>0.7</b>					<b>11.9</b>	<b>46</b>		<b>0.06</b>					<b>0.10</b>

NELHA Water Quality Laboratory

Transect 5, Station 5

July 1993 - June 2015

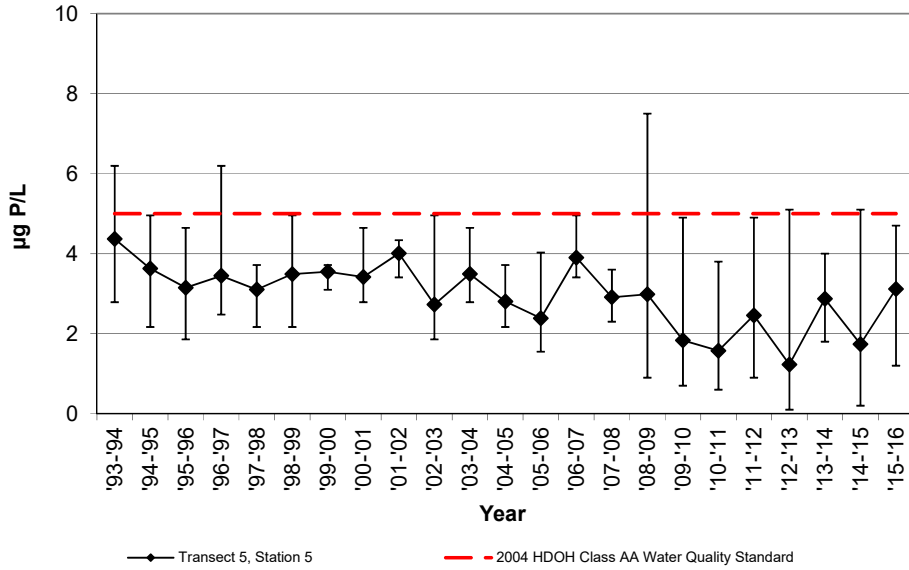
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T5-500m	7/27/11	1052	0.16	4.9	0.04	0.6	0.06	0.9	0.4	10	0.47	14.7	2.7	38	0.03	34.84	26.14	8.23	6.32	0.20
T5-500m	10/19/11	1032	0.03	0.9	0.09	1.2	0.04	0.5	3.5	99	0.35	10.9	3.7	52	0.05	35.10	26.67	8.26	7.05	0.19
T5-500m	1/26/12	958	0.06	1.8	0.01	0.1	0.01	0.2	1.4	39	0.34	10.5	3.5	49	0.07	35.05	24.45	8.20	6.63	0.09
T5-500m	4/25/12	1021	0.15	4.6	0.15	2.1	0.26	3.6	1.9	53	0.48	15	7.4	103	0.04	34.84	24.91	8.20	6.72	0.08
<b>Geomean</b>	<b>'11-'12</b>		<b>2.5</b>		<b>0.6</b>		<b>0.8</b>				<b>12.6</b>		<b>56</b>		<b>0.05</b>					<b>0.13</b>
T5-500m	7/25/12	1014	0.00	0.1	0.01	0.1	0.16	2.2	1.5	43	0.37	11.5	4.0	56	0.09	35.01	26.53	8.24	6.84	0.25
T5-500m	11/28/12	1012	0.08	2.5	0.03	0.4	0.11	1.6	1.2	32	0.43	13.2	4.5	63	0.04	35.28	25.45	8.21	6.62	0.08
T5-500m	1/24/13	1002	0.06	1.8	0.01	0.1	0.02	0.3	1.2	34	0.40	12.5	4.3	61	0.04	35.11	24.83	8.23	6.30	0.09
T5-500m	4/17/13	1117	0.16	5.1	0.12	1.7	0.21	3	0.9	24	0.55	17	4.1	58	0.05	35.14	25.31	8.21	6.50	0.04
<b>Geomean</b>	<b>'12-'13</b>		<b>1.2</b>		<b>0.3</b>		<b>1.3</b>				<b>13.4</b>		<b>59</b>		<b>0.05</b>					<b>0.09</b>
T5-500m	8/6/13	1051	0.06	1.8	0.00	0.1	0.06	0.9	1.7	48	0.33	10.2	4.4	62	0.02	35.26	26.9	8.22	6.77	0.09
T5-500m	10/30/13	952	0.11	3.5	0.04	0.5	0.06	0.8	0.9	26	0.47	14.7	5.7	80	0.03	34.99	27.1	8.22	6.06	0.08
T5-500m	2/5/14	1022	0.13	4.0	0.11	1.6	0.42	5.9	1.8	50	0.48	15.0	4.6	65	0.02	34.96	25.2	8.22	6.20	0.19
T5-500m	5/7/14	1016	0.09	2.7	0.12	1.7	0.10	1.4	2.3	65	0.42	12.9	5.5	77	0.04	34.79	26.0	8.20	5.51	0.25
<b>Geomean</b>	<b>'13-'14</b>		<b>2.9</b>		<b>0.6</b>		<b>1.6</b>				<b>13.1</b>		<b>70</b>		<b>0.03</b>					<b>0.14</b>
T5-500m	8/6/14	1007	0.16	5.1	0.01	0.1	0.25	3.5	0.6	17	0.50	15.4	5.2	72	0.06	34.98	27.2	8.23	6.01	0.05
T5-500m	12/4/14	1045	0.10	3.2	0.03	0.4	0.41	5.7	0.2	5	0.46	14.3	7.0	98	0.09	35.24	26.5	8.25	6.37	0.16
T5-500m	3/5/15	1046	0.01	0.2	0.08	1.1	0.10	1.4	0.6	17	0.34	10.5	5.7	79	0.10	34.75	25.4	8.30	6.83	0.20
T5-500m	6/18/15	1013	0.09	2.8	0.01	0.2	0.49	6.9	0.9	25	0.18	5.6	6.2	87	0.10	34.54	26.8	8.21	6.53	0.08
<b>Geomean</b>	<b>'14-'15</b>		<b>1.7</b>		<b>0.3</b>		<b>3.7</b>				<b>10.7</b>		<b>84</b>		<b>0.09</b>					<b>0.11</b>
T5-500m	8/27/15	1019	0.15	4.7	0.01	0.2	0.27	3.8	1.3	37	0.19	6.0	4.7	66	0.02	34.72	28.7	8.27	5.91	0.12
T5-500m	11/18/15	1050	0.14	4.4	0.37	5.2	0.21	3.0	3.3	93	0.52	16.1	5.3	74	0.05	34.56	27.4	8.28	6.89	0.11
T5-500m	3/2/16	930	0.12	3.8	0.17	2.4	0.36	5.0	0.5	15	0.47	14.7	5.6	78	0.05	34.65	25.3	8.25	5.80	0.09
T5-500m	5/4/16	1025	0.04	1.2	0.04	0.6	0.08	1.1	0.1	3	0.41	12.6	4.9	69	0.07	34.70	26.1	8.18	6.12	0.17
<b>Geomean</b>	<b>'15-'16</b>		<b>3.1</b>		<b>1.1</b>		<b>2.8</b>				<b>11.6</b>		<b>71</b>		<b>0.04</b>					<b>0.12</b>

NELHA Water Quality Laboratory

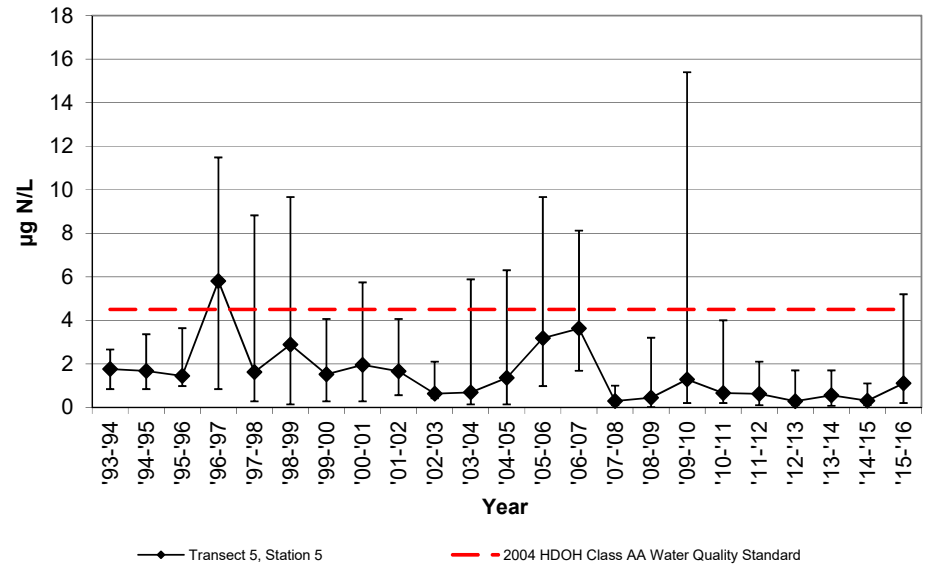
Transect 5, Station 5

July 1993 - June 2015

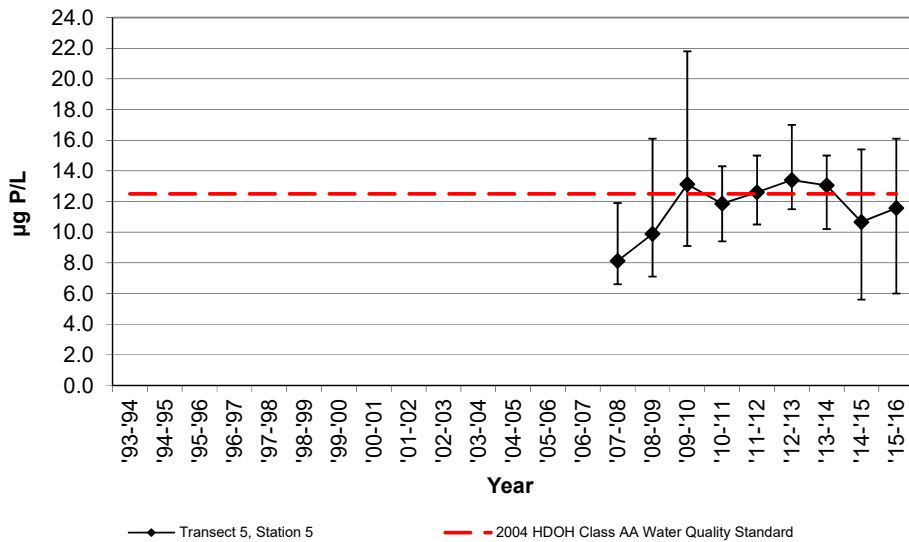
NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of Ortho-Phosphate



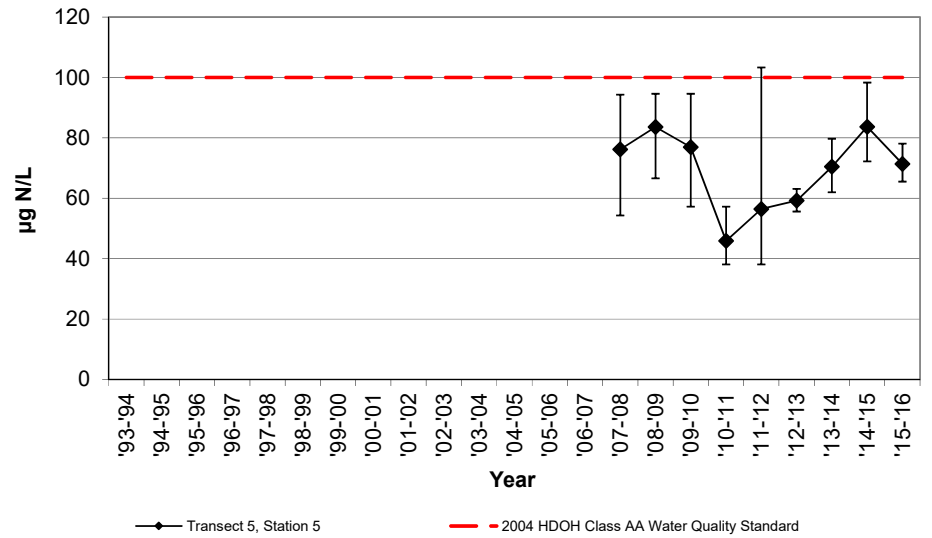
NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of  
Total Dissolved Phosphorous



NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

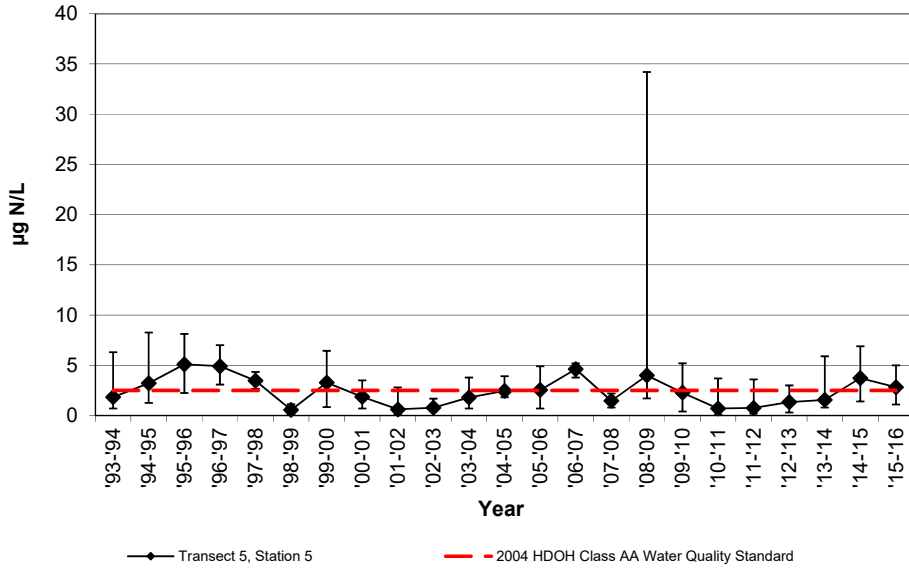


NELHA Water Quality Laboratory

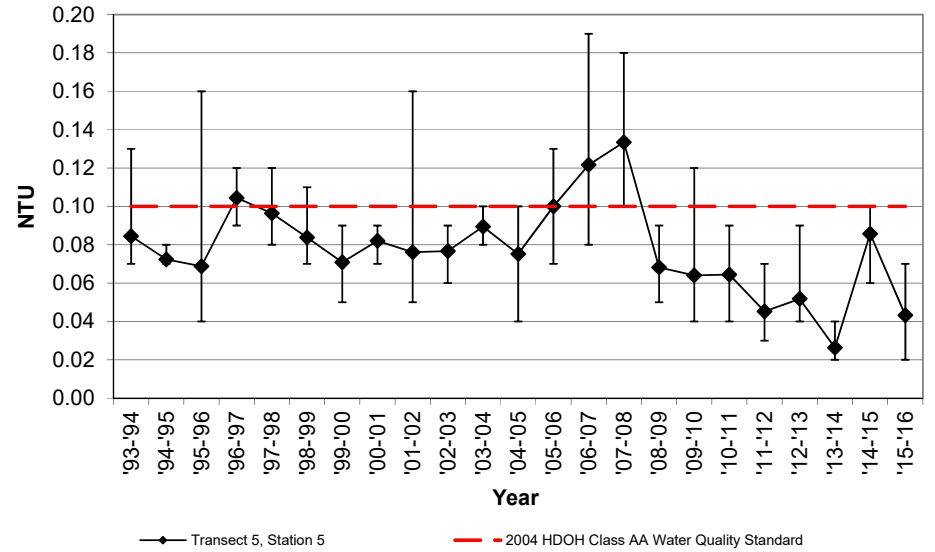
Transect 5, Station 5

July 1993 - June 2015

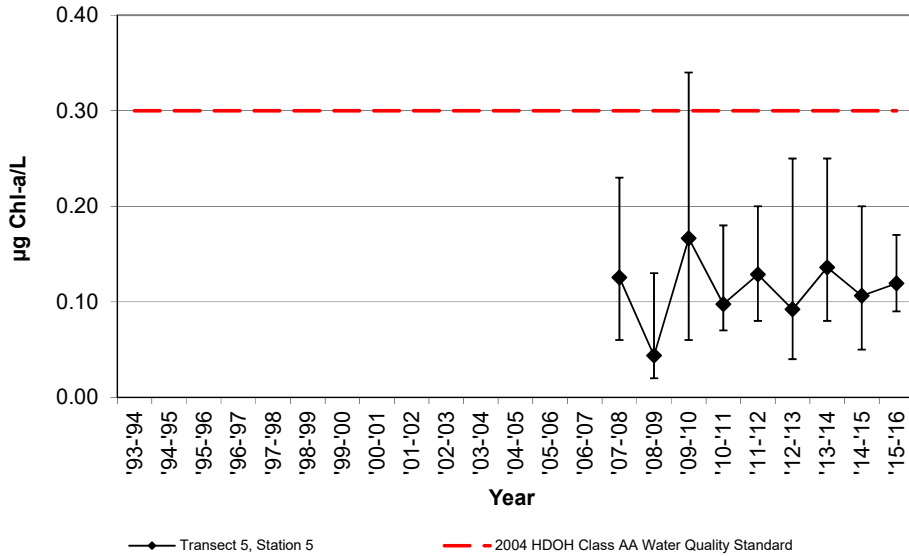
NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 5, Station 5  
Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 6

July 2015 - June 2016

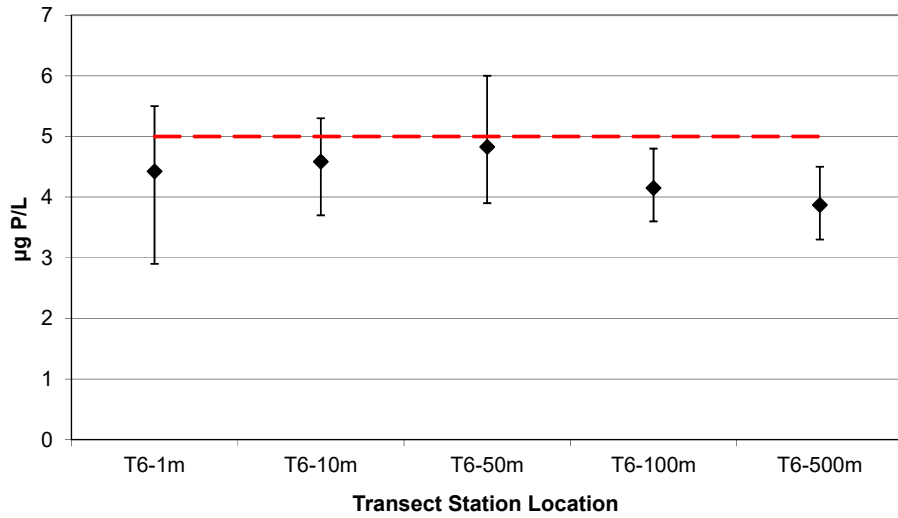
SITE ID	DATE M/D/Y	TIME (2400)	Tide (ft) (cycle)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)	NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)	NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)	Si (µM) (µg Si/L)	TDP (µM) (µg P/L)	TDN (µM) (µg N/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)						
<b>DOH LIMIT</b>				0.16	<b>5</b>	0.32	<b>4.5</b>	0.18	<b>2.5</b>		0.40	<b>12.5</b>	7.1	<b>100</b>	<b>0.10</b>						<b>0.30</b>
T6-1m	8/27/15	1030	1.0 Flood	0.16	5.0	0.54	7.5	0.27	3.8	5.1	142	0.19	6.0	5.3	74	0.02	34.60	28.3	8.27	6.16	0.20
T6-1m	11/18/15	1101	1.6 Ebb	0.18	5.5	0.57	8.0	0.48	6.7	5.3	148	0.53	16.5	5.3	74	0.08	34.63	27.4	8.27	6.73	0.15
T6-1m	3/2/16	944	0.9 High	0.15	4.8	0.31	4.3	0.48	6.7	0.2	7	0.48	14.9	4.0	56	0.11	34.75	25.3	8.26	5.84	0.09
T6-1m	5/4/16	1040	1.0 Flood	0.09	2.9	0.99	13.8	0.15	2.1	5.1	142	0.35	10.8	6.0	84	0.06	34.51	25.8	8.18	6.12	0.17
<b>Geomean</b>	<b>'15-'16</b>			0.14	<b>4.4</b>	0.55	<b>7.7</b>	0.3	<b>4.4</b>			0.4	<b>11.2</b>	5.1	<b>71</b>	<b>0.06</b>					<b>0.15</b>
T6-10m	8/27/15	1036	1.0 Flood	0.16	4.9	0.44	6.1	0.43	6.0	18.0	505	0.39	12.2	4.4	61	0.02	34.64	28.3	8.28	6.14	0.21
T6-10m	11/18/15	1107	1.6 Ebb	0.17	5.3	0.84	11.7	0.41	5.7	7.2	202	0.48	14.8	6.4	90	0.07	34.63	27.4	8.27	6.70	0.17
T6-10m	3/2/16	948	0.9 High	0.15	4.6	0.34	4.7	0.33	4.6	1.2	35	0.48	14.9	5.1	71	0.09	34.75	25.2	8.26	5.79	0.11
T6-10m	5/4/16	1046	1.0 Flood	0.12	3.7	0.59	8.3	0.24	3.4	5.2	145	0.49	15.1	4.7	66	0.09	34.54	25.8	8.19	6.14	0.18
<b>Geomean</b>	<b>'15-'16</b>			0.15	<b>4.6</b>	0.52	<b>7.3</b>	0.34	<b>4.8</b>			0.46	<b>14.2</b>	5.1	<b>71</b>	<b>0.06</b>					<b>0.16</b>
T6-50m	8/27/15	1041	1.0 Flood	0.17	5.4	0.17	2.4	0.19	2.6	4.2	117	0.40	12.4	4.8	67	0.02	34.67	28.5	8.28	6.03	0.17
T6-50m	11/18/15	1114	1.6 Ebb	0.19	6.0	0.89	12.4	2.11	29.5	6.0	170	0.43	13.3	6.9	97	0.08	34.61	27.4	8.29	6.96	0.24
T6-50m	3/2/16	953	0.9 High	0.13	3.9	0.34	4.7	0.25	3.5	1.3	37	0.50	15.4	7.7	108	0.09	34.72	25.2	8.25	5.84	0.11
T6-50m	5/4/16	1051	1.0 Flood	0.14	4.3	0.56	7.8	0.33	4.6	5.7	161	0.26	8.0	4.5	63	0.09	34.53	25.8	8.19	6.15	0.20
<b>Geomean</b>	<b>'15-'16</b>			0.16	<b>4.8</b>	0.41	<b>5.7</b>	0.42	<b>5.9</b>			0.39	<b>11.9</b>	5.8	<b>82</b>	<b>0.06</b>					<b>0.17</b>
T6-100m	8/27/15	1045	1.0 Flood	0.14	4.4	0.09	1.2	0.19	2.7	3.5	99	0.20	6.3	4.5	63	0.03	34.66	28.5	8.28	6.02	0.35
T6-100m	11/18/15	1120	1.6 Ebb	0.15	4.8	0.66	9.2	0.23	3.2	4.7	132	0.50	15.6	5.8	82	0.07	34.64	27.5	8.29	6.51	0.22
T6-100m	3/2/16	958	0.9 High	0.13	3.9	0.37	5.2	0.34	4.7	1.0	27	0.47	14.6	7.5	105	0.10	34.73	25.3	8.25	5.84	0.14
T6-100m	5/4/16	1058	1.0 Flood	0.12	3.6	0.64	8.9	0.29	4.0	6.4	181	0.28	8.7	5.3	75	0.09	34.50	25.8	8.19	6.01	0.24
<b>Geomean</b>	<b>'15-'16</b>			0.13	<b>4.1</b>	0.34	<b>4.8</b>	0.25	<b>3.6</b>			0.34	<b>10.6</b>	5.7	<b>80</b>	<b>0.07</b>					<b>0.23</b>
T6-500m	8/27/15	1054	1.0 Flood	0.14	4.2	0.06	0.8	0.18	2.5	2.7	77	0.19	5.9	4.75	67	0.03	34.69	28.6	8.28	5.99	0.03
T6-500m	11/18/15	1128	1.6 Ebb	0.15	4.5	0.45	6.3	0.16	2.3	3.6	102	0.54	16.8	7.33	103	0.06	34.58	27.4	8.30	6.68	0.10
T6-500m	3/2/16	1005	0.9 High	0.11	3.3	0.06	0.8	0.39	5.5	1.1	31	0.46	14.4	6.06	85	0.08	34.81	25.4	8.26	5.71	0.09
T6-500m	5/4/16	1106	1.0 Flood	0.12	3.6	0.09	1.2	0.21	3.0	1.5	42	0.27	8.4	4.15	58	0.08	34.69	26.0	8.19	6.01	0.28
<b>Geomean</b>	<b>'15-'16</b>			0.12	<b>3.9</b>	0.11	<b>1.5</b>	0.22	<b>3.1</b>			0.34	<b>10.5</b>	5.4	<b>76</b>	<b>0.06</b>					<b>0.09</b>

NELHA Water Quality Laboratory

Transect 6

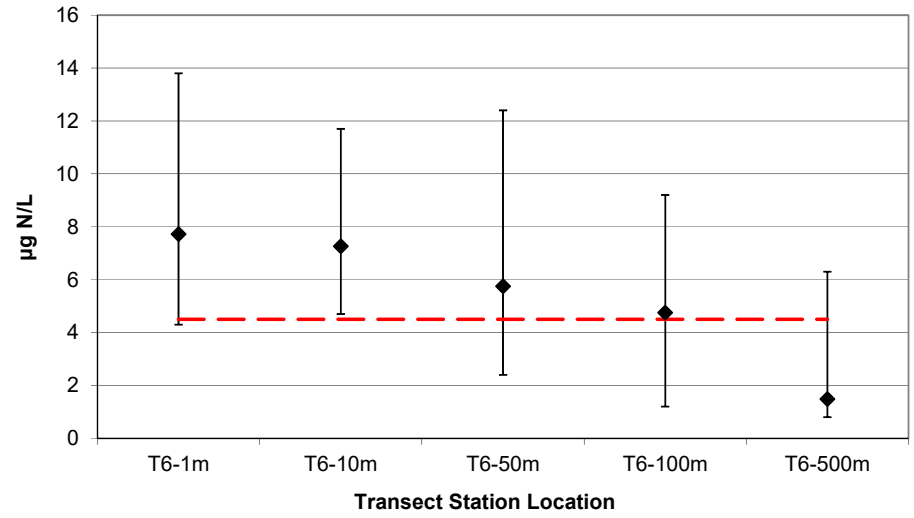
July 2015 - June 2016

Transect 6 Station Summary  
Ortho-Phosphate Geometric Mean



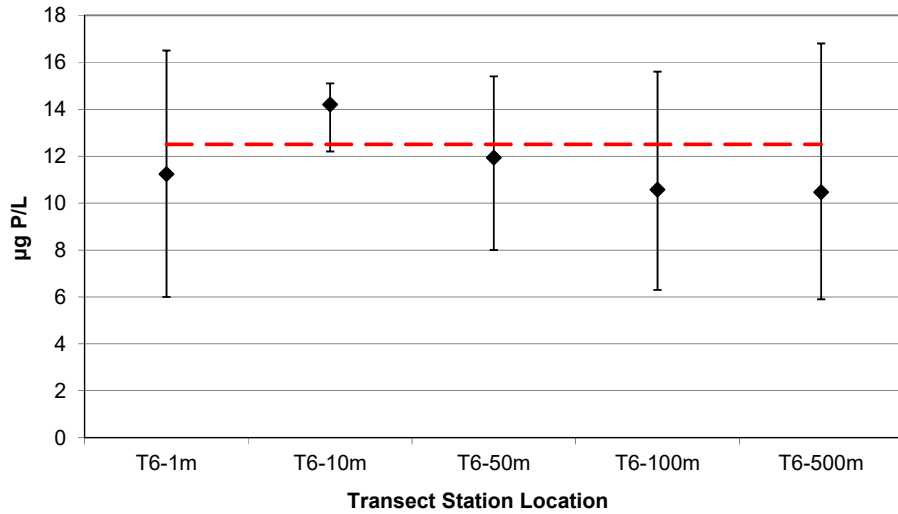
◆ Transect 6, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 6 Station Summary  
Nitrate + Nitrite Geometric Mean



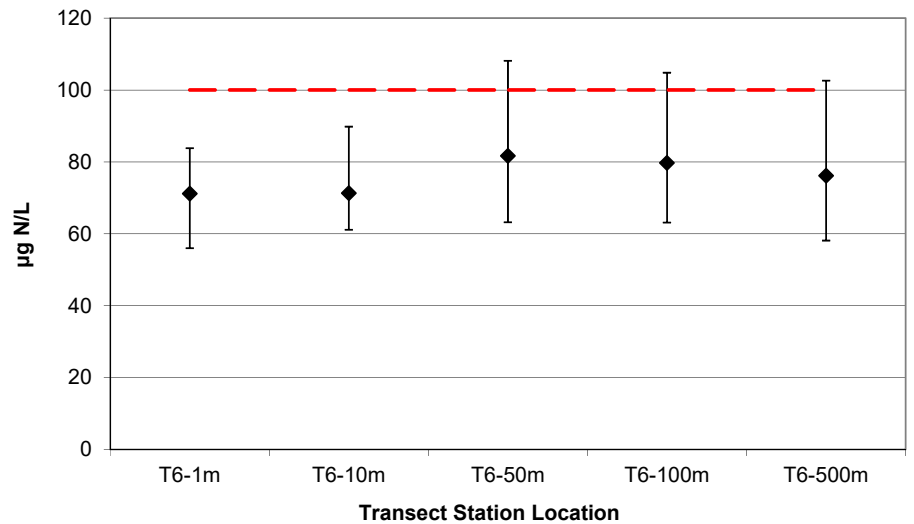
◆ Transect 6, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 6 Station Summary  
Total Dissolved Phosphorous Geometric Mean



◆ Transect 6, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

Transect 6 Station Summary  
Total Dissolved Nitrogen Geometric Mean

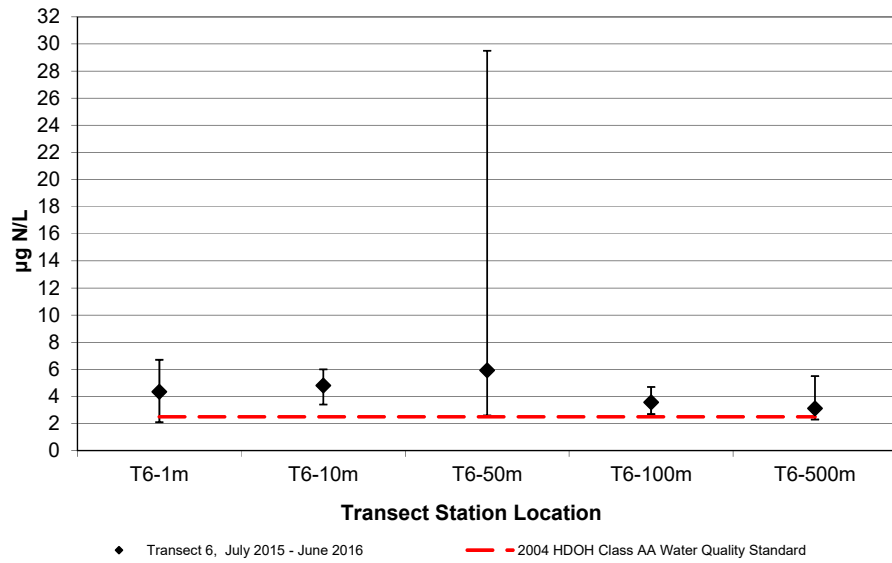


◆ Transect 6, July 2015 - June 2016      - - - 2004 HDOH Class AA Water Quality Standard

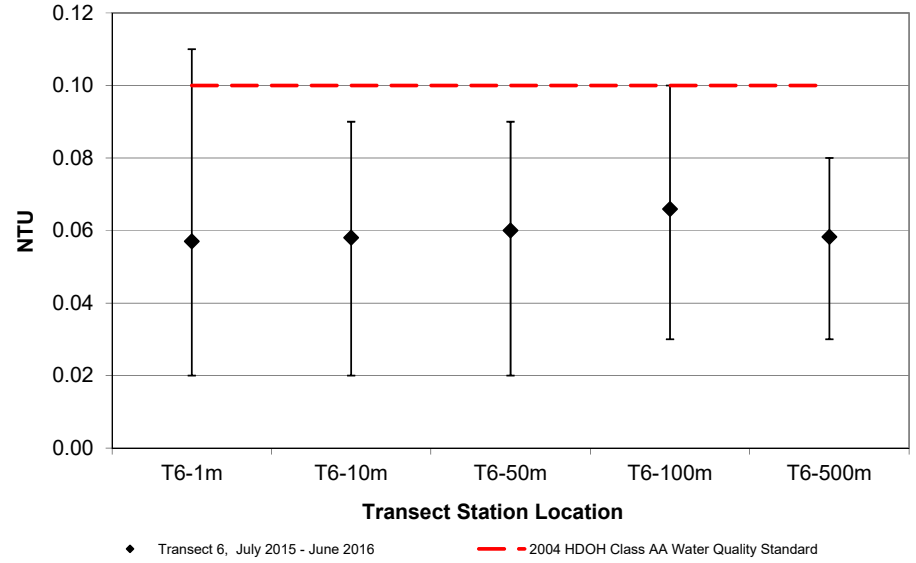
NELHA Water Quality Laboratory

Transect 6  
July 2015 - June 2016

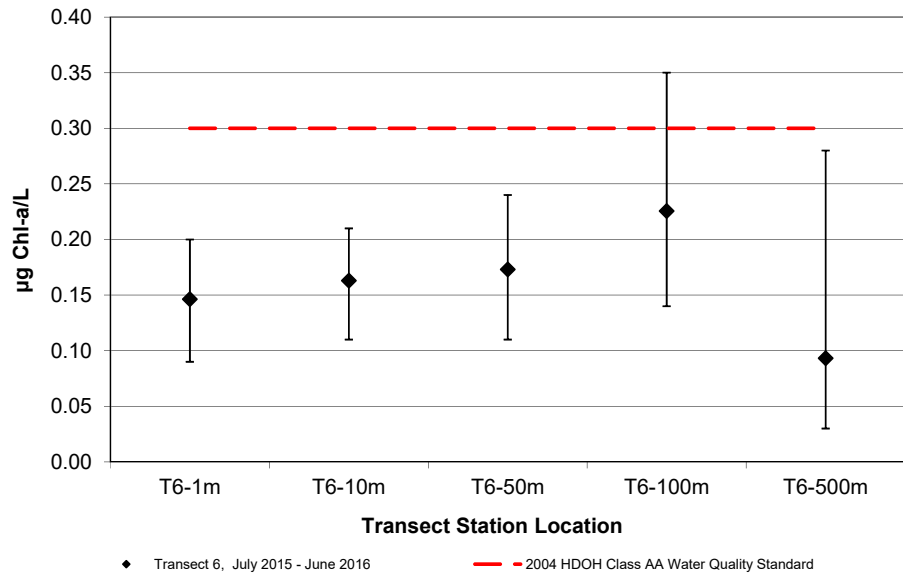
**Transect 6 Station Summary**  
Total Ammonia Geometric Mean, July 2012 - June 2013



**Transect 6 Station Summary**  
Turbidity Geometric Mean, July 2012 - June 2013



**Transect 6 Station Summary**  
Chlorophyll-a Geometric Mean, July 2012 - June 2013









NELHA Water Quality Laboratory

Transect 6, Station 1

July 1993 - June 2015

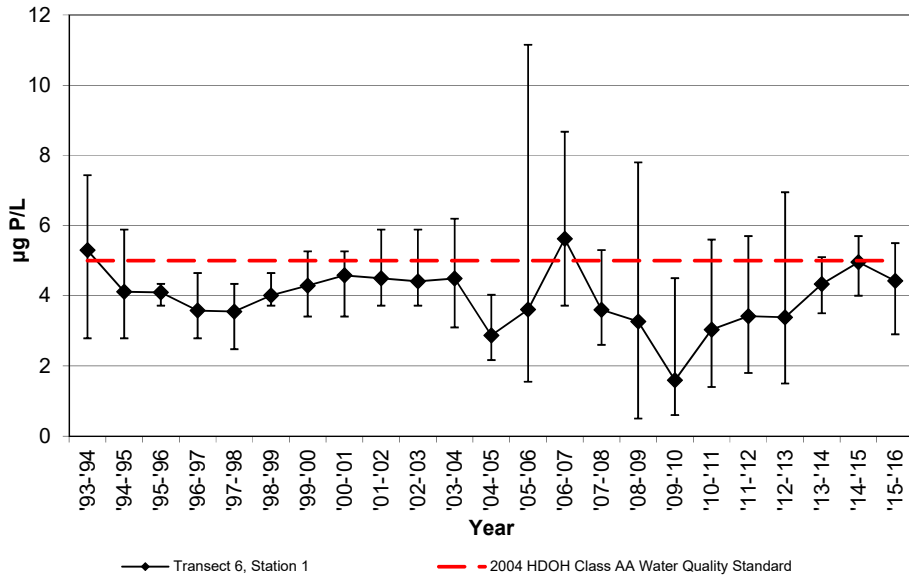
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (µM) (µg N/L)		Si (µM) (µg Si/L)		TDP (µM) (µg P/L)		TDN (µM) (µg N/L)		TP (µM) (µg P/L)		TOC (mgC/L)	Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)	Fecal Coliform Bact/100 ml	Enterococci Bact/100 ml
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>					<b>0.10</b>					<b>0.30</b>		
T6-1m	7/27/11	1101	0.18	5.7	0.26	3.6	0.13	1.8	2.0	57	0.50	15.4	3.3	47				0.05	34.77	25.97	8.23	6.65	0.11		
T5-1m	10/19/11	1043	0.06	1.8	0.34	4.8	0.15	2.1	3.3	92	0.37	11.6	4.0	56				0.05	35.10	26.55	8.27	7.16	0.11		
T5-1m	1/26/12	1007	0.08	2.6	0.53	7.4	0.01	0.1	5.6	157	0.36	11.1	3.6	50				0.07	34.91	24.43	8.20	6.67	0.11		
T5-1m	4/25/12	1028	0.16	5.1	0.69	9.6	0.36	5.1	6.3	176	0.48	14.9	5.3	74				0.06	34.76	24.88	8.20	6.88	0.14		
<b>Geomean</b>	<b>'11-'12</b>		<b>3.4</b>		<b>5.9</b>		<b>1.2</b>				<b>13.1</b>		<b>56</b>					<b>0.06</b>					<b>0.12</b>		
T6-1m	7/25/12	1027	0.05	1.5	0.46	6.5	0.41	5.8	3.6	100	0.42	12.9	5.1	71				0.09	34.99	26.45	8.27	7.65	0.10		
T5-1m	11/28/12	1025	0.11	3.4	1.10	15.4	0.27	3.8	6.1	171	0.54	16.6	6.8	96				0.05	35.08	25.13	8.20	6.70	0.15		
T5-1m	1/24/13	1012	0.12	3.7	1.05	14.7	0.11	1.6	5.7	160	0.49	15.1	5.8	81				0.03	34.95	24.72	8.23	6.51	0.10		
T5-1m	4/24/13	936	0.22	6.95	2.11	29.5	0.14	1.95	6.3	176	0.57	17.8	9.2	129				0.07	34.87	24.84	8.21	6.73	0.12		
<b>Geomean</b>	<b>'12-'13</b>		<b>3.4</b>		<b>14.4</b>		<b>2.9</b>				<b>15.5</b>		<b>92</b>					<b>0.06</b>					<b>0.12</b>		
T6-1m	8/6/13	1100	0.14	4.3	1.94	27.2	0.39	5.5	10.3	288	0.67	20.7	5.9	82				0.07	34.97	26.2	8.22	7.49	0.20		
T5-1m	10/30/13	1005	0.15	4.6	0.41	5.7	0.14	1.9	2.8	80	0.49	15.2	6.4	89				0.02	34.90	27.0	8.22	5.97	0.14		
T5-1m	2/5/14	1032	0.16	5.1	0.60	8.4	0.47	6.6	3.3	93	0.44	13.6	4.3	61				0.02	34.97	25.2	8.20	6.58	0.04		
T5-1m	5/7/14	1026	0.11	3.5	0.41	5.7	0.31	4.4	2.5	69	0.45	14.0	6.3	88				0.02	34.76	25.7	8.20	5.65	0.12		
<b>Geomean</b>	<b>'13-'14</b>		<b>4.3</b>		<b>9.3</b>		<b>4.2</b>				<b>15.6</b>		<b>79</b>					<b>0.03</b>					<b>0.11</b>		
T6-1m	8/6/14	1018	0.18	5.7	0.62	8.7	0.54	7.6	4.1	114	0.50	15.6	5.1	71				0.04	34.84	26.6	8.24	6.10	0.15		
T5-1m	12/4/14	1057	0.17	5.2	1.64	23.0	0.61	8.5	8.7	244	0.52	16.2	7.9	111				0.05	34.71	25.9	8.26	6.51	0.02		
T5-1m	3/5/15	1102	0.13	4.0	2.55	35.7	0.25	3.5	9.5	266	0.39	12.1	8.7	122				0.10	34.54	25.1	8.27	6.90	0.16		
T5-1m	6/18/15	1028	0.16	5.1	2.61	36.6	0.47	6.6	10.1	285	0.25	7.7	12.3	173				0.06	34.18	26.5	8.21	6.89	0.17		
<b>Geomean</b>	<b>'14-'15</b>		<b>5.0</b>		<b>22.6</b>		<b>6.2</b>				<b>12.4</b>		<b>113</b>					<b>0.06</b>					<b>0.10</b>		
T6-1m	8/27/15	1030	0.16	5.0	0.54	7.5	0.27	3.8	5.1	142	0.19	6.0	5.3	74				0.02	34.60	28.3	8.27	6.16	0.20		
T5-1m	11/18/15	1101	0.18	5.5	0.57	8.0	0.48	6.7	5.3	148	0.53	16.5	5.3	74				0.08	34.63	27.4	8.27	6.73	0.15		
T5-1m	3/2/16	944	0.15	4.8	0.31	4.3	0.48	6.7	0.2	7	0.48	14.9	4.0	56				0.11	34.75	25.3	8.26	5.84	0.09		
T5-1m	5/4/16	1040	0.09	2.9	0.99	13.8	0.15	2.1	5.1	142	0.35	10.8	6.0	84				0.06	34.51	25.8	8.18	6.12	0.17		
<b>Geomean</b>	<b>'15-'16</b>		<b>4.4</b>		<b>7.7</b>		<b>4.4</b>				<b>11.2</b>		<b>71</b>					<b>0.06</b>					<b>0.15</b>		

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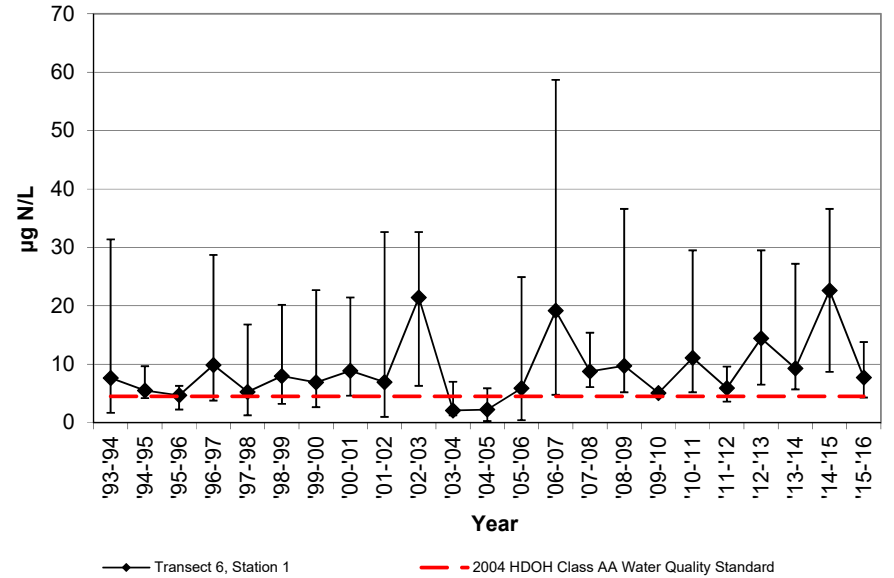
Transect 6, Station 1

July 1993 - June 2015

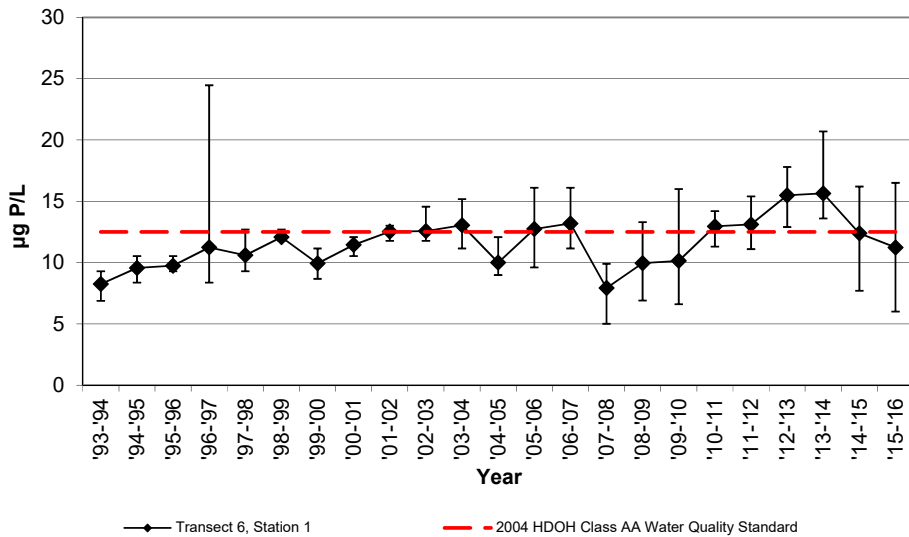
NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of Ortho-Phosphate



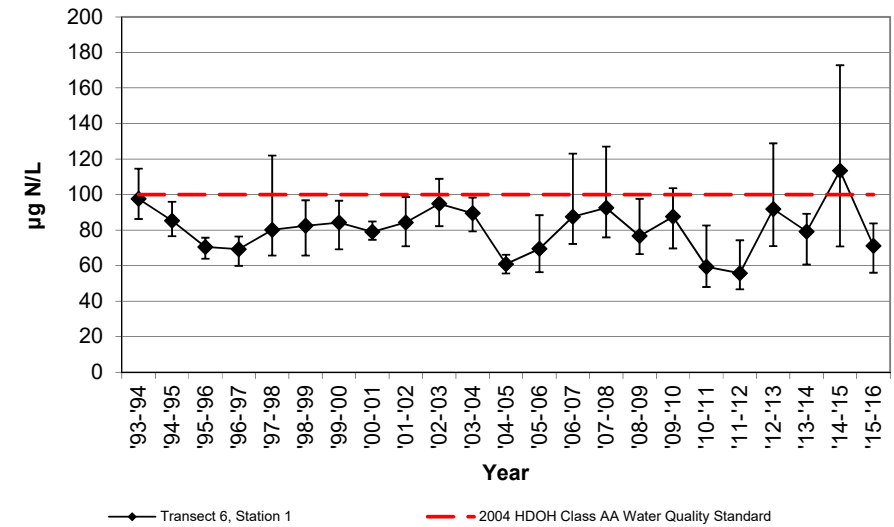
NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of  
Total Dissolved Phosphorus



NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of  
Total Dissolved Nitrogen

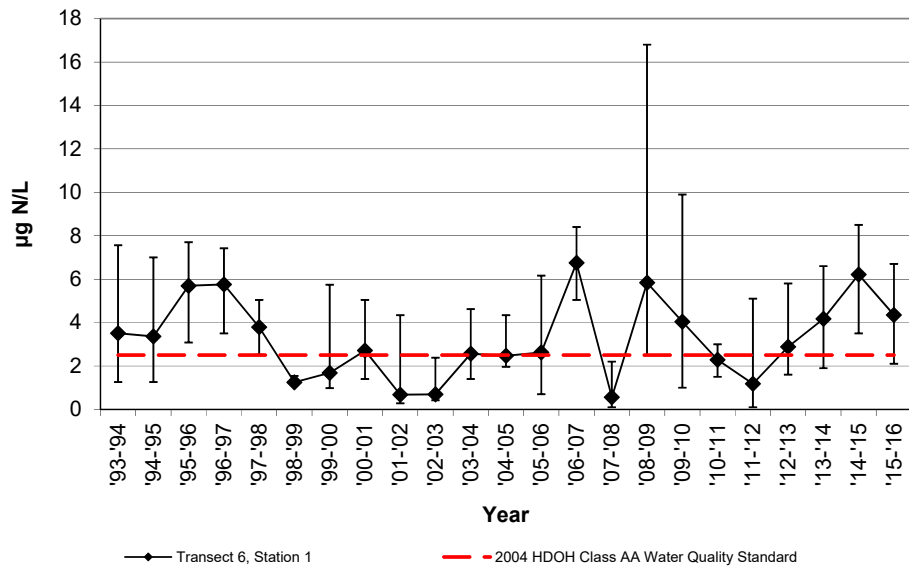


NELHA Water Quality Laboratory

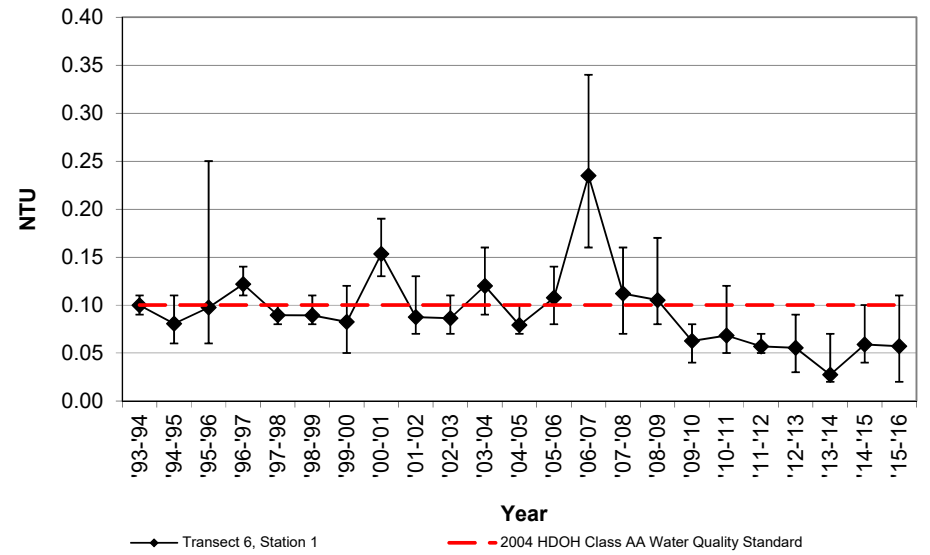
Transect 6, Station 1

July 1993 - June 2015

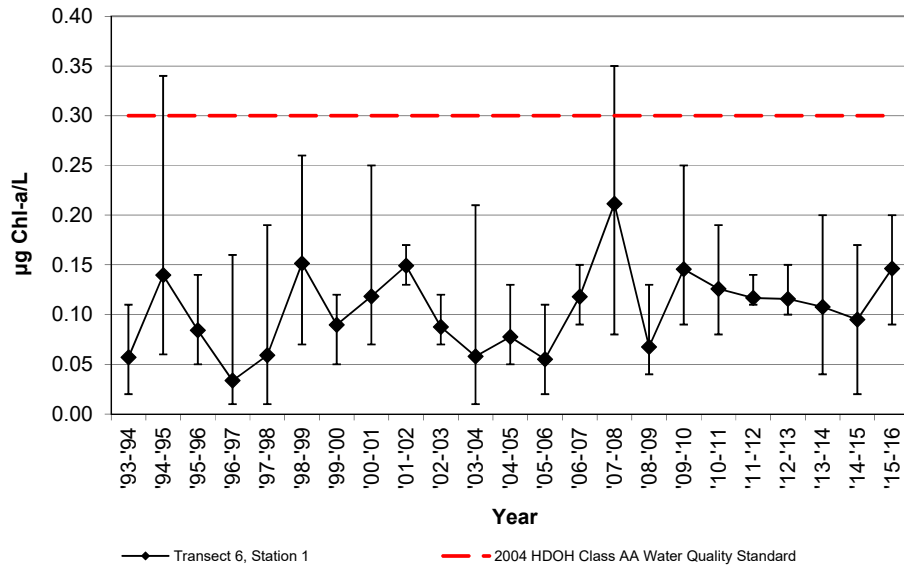
NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 6, Station 1  
Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 6, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-2S-23m	7/26/93	1152	0.13	4.0	0.15	2.1	0.40	5.6	3.4	96					0.07	34.430	27.0			
O6-2S-23m	12/6/93	935	0.08	2.5	0.28	3.9	0.09	1.3	3.2	90					0.11	34.795	25.8			
O6-2S-23m	3/7/94	904	0.22	6.8	0.45	6.3	0.17	2.4	6.1	171					0.08	34.156	24.9			
O6-2S-23m	6/15/94	904	0.22	6.8	0.38	5.3	0.12	1.7	4.0	111					0.11	34.499	25.6			
<b>Geomean '93-'94</b>			<b>4.6</b>		<b>4.1</b>		<b>2.3</b>								<b>0.09</b>					
O6-2S-23m	9/9/94	853	0.08	2.5	0.27	3.8	0.21	2.9	4.9	138					0.13	34.488	27.6			
O6-2S-23m	11/14/94	807	0.15	4.6	0.66	9.2	0.61	8.5	8.8	246					0.08	34.461	26.0			
O6-2S-23m	3/22/95	836	0.16	5.0	0.18	2.5	0.35	4.9	4.0	112					0.08	34.179	25.1			
O6-2S-23m	6/20/95	830	0.12	3.7	0.23	3.2	0.12	1.7	3.6	101					0.08	34.399	26.2			
<b>Geomean '94-'95</b>			<b>3.8</b>		<b>4.1</b>		<b>3.8</b>								<b>0.09</b>					
O6-2S-23m	9/26/95	933	0.14	4.3	0.63	8.8	0.53	7.4	9.7	273					0.17	34.310	27.0			
O6-2S-23m	11/14/95	1108	0.11	3.4	0.29	4.1	0.49	6.9	4.3	121					0.11	34.271	26.9			
O6-2S-23m	3/12/96	1132	0.15	4.6	0.18	2.5	0.50	7.0	3.8	107					0.08	34.145	25.4			
O6-2S-23m	5/14/96	1126	0.12	3.7	0.27	3.8	0.19	2.7	6.9	194					0.11	34.212	27.4			
<b>Geomean '95-'96</b>			<b>4.0</b>		<b>4.3</b>		<b>5.6</b>								<b>0.11</b>					
O6-2S-23m	7/31/96	1155	0.15	4.6	2.11	29.6	0.53	7.4	26.2	736					0.14	33.604	27.8			
O6-2S-23m	10/2/96	1127	0.09	2.8	0.81	11.3	0.45	6.3	11.9	333					0.13	34.319	28.4			
O6-2S-23m	1/7/97	1134	0.08	2.5	0.09	1.3	0.23	3.2	3.7	103					0.08	34.670	25.7			
O6-2S-23m	4/28/97	1153	0.12	3.7	0.31	4.3	0.45	6.3	5.7	161					0.10	34.328	26.5			
<b>Geomean '96-'97</b>			<b>3.3</b>		<b>6.5</b>		<b>5.6</b>								<b>0.11</b>					
O6-2S-23m	8/19/97	1132	0.09	2.8	0.38	5.3	0.22	3.1	7.9	220					0.15	34.471	27.1			
O6-2S-23m	10/7/97	1037	0.11	3.4	0.13	1.8	0.37	5.2	4.1	114					0.10	34.678	27.6			
O6-2S-23m	3/4/98	1209	0.12	3.7	0.76	10.6	0.25	3.5	15.9	446					0.09	34.729	25.1			
O6-2S-23m	5/5/98	1158	0.14	4.3	1.24	17.4	0.29	4.1	18.3	514					0.14	34.528	24.4			
<b>Geomean '97-'98</b>			<b>3.5</b>		<b>6.5</b>		<b>3.9</b>								<b>0.12</b>					
O6-2S-23m	7/7/98	1217	0.14	4.3	0.87	12.2	0.07	1.0	13.2	371					0.09	34.698	26.3			
O6-2S-23m	10/6/98	1126	0.10	3.1	0.42	5.9	0.10	1.4	5.1	143					0.08	34.989	27.1			
O6-2S-23m	1/19/99	1202	0.11	3.4	0.77	10.8	0.18	2.5	12.5	351					0.10	34.874	25.1			
O6-2S-23m	4/12/99	1208	0.12	3.7	0.20	2.8	0.11	1.5	4.5	126					0.08	34.631	24.2			
<b>Geomean '98-'99</b>			<b>3.6</b>		<b>6.8</b>		<b>1.5</b>								<b>0.09</b>					
O6-2S-23m	7/6/99	1235	0.10	3.1	0.28	3.9	0.05	0.7	7.6	212					0.14	34.802	25.7			
O6-2S-23m	10/4/99	1255	0.12	3.7	0.26	3.6	0.13	1.8	3.3	92					0.14	34.956	26.3			
O6-2S-23m	1/12/00	1203	0.16	5.0	1.37	19.2	0.41	5.7	20.6	579					0.15	34.518	24.8			
O6-2S-23m	4/11/00	1100	0.11	3.4	0.51	7.1	0.06	0.8	9.1	255					0.07	34.658	24.4			
<b>Geomean '99-'00</b>			<b>3.7</b>		<b>6.7</b>		<b>1.6</b>								<b>0.12</b>					
O6-2S-23m	7/25/00	1219	0.11	3.4	0.33	4.6	0.10	1.4	7.2	201					0.14	34.716	26.7			
O6-2S-23m	10/31/00	1205	0.13	4.0	0.42	5.9	0.08	1.1	10.1	285					0.13	34.736	26.9			
O6-2S-23m	3/6/01	1150	0.17	5.3	0.26	3.6	0.12	1.7	6.2	174					0.14	34.621	24.9			
O6-2S-23m	5/7/01	1250	0.16	5.0	1.53	21.4	0.38	5.3	17.7	498					0.16	34.373	24.7			
<b>Geomean '00-'01</b>			<b>4.3</b>		<b>6.8</b>		<b>1.9</b>								<b>0.14</b>					
O6-2S-23m	8/14/01	1055	0.12	3.7	0.14	2.0	0.31	4.3	3.9	109					0.19	34.814	26.8			
O6-2S-23m	10/30/01	1106	0.13	4.0	0.47	6.6	0.03	0.4	4.7	133					0.10	34.911	26.7			
O6-2S-23m	3/6/02	1109	0.27	8.4	3.13	43.8	0.08	1.1	51.3	1441					0.08	33.836	24.3			
O6-2S-23m	4/15/02	1128	0.17	5.3	2.05	28.7	0.07	1.0	12.4	348					0.08	34.168	25.5			
<b>Geomean '01-'02</b>			<b>5.1</b>		<b>11.3</b>		<b>1.2</b>								<b>0.11</b>					

NELHA Water Quality Laboratory

Transect 6, Station 2

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-2S-23m	7/10/02	1117	0.09	2.8	1.73	24.2	0.18	2.5	12.6	355					0.11	34.368	26.2			
O6-2S-23m	10/8/02	1110	0.10	3.1	1.91	26.8	0.06	0.8	13.0	364					0.08	34.594	27.1			
O6-2S-23m	3/12/03	1010	0.11	3.4	0.38	5.3	0.03	0.4	5.4	151					0.09	34.646	25.0			
O6-2S-23m	4/23/03	1117	0.15	4.6	1.17	16.4	0.03	0.4	11.3	318					0.12	34.705	24.9			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.4</b>		<b>15.4</b>		<b>0.8</b>								<b>0.10</b>					
O6-2S-23m	8/21/03	1054	0.09	2.8	0.06	0.8	0.10	1.4	4.5	126					0.08	34.770	28.5			
O6-2S-23m	11/3/03	1035	0.12	3.7	0.13	1.8	0.26	3.6	5.0	140					0.10	34.628	27.5			
O6-2S-23m	3/18/04	1046	0.18	5.6	1.54	21.6	0.35	4.9	13.7	384					n/a	34.031	25.4			
O6-2S-23m	5/24/04	1058	0.14	4.3	0.12	1.7	0.20	2.8	5.2	147					n/a	33.32	26.7			
<b>Geomean</b>	<b>'03-'04</b>		<b>4.0</b>		<b>2.7</b>		<b>2.9</b>								<b>0.09</b>					
O6-2S-23m	9/22/04	1133	0.08	2.5	0.01	0.1	0.27	3.8	2.4	67					0.09	30.76	27.9			
O6-2S-23m	11/29/04	1040	0.09	2.8	0.35	4.9	0.13	1.8	4.5	127					0.07	33.62	27.0			
O6-2S-23m	1/24/05	1117	0.10	3.1	0.64	9.0	0.12	1.7	8.3	232					0.07	34.730	25.5			
O6-2S-23m	4/13/05	1124	0.20	6.2	0.43	6.0	0.18	2.5	9.2	258					0.12	34.457	25.1			
<b>Geomean</b>	<b>'04-'05</b>		<b>3.4</b>		<b>2.5</b>		<b>2.3</b>								<b>0.09</b>					
O6-2S-23m	7/21/05	1058	0.08	2.5	0.41	5.7	0.45	6.3	8.7	243					0.13	34.767	27.4			
O6-2S-23m	10/13/05	1031	0.06	1.9	0.12	1.7	0.16	2.2	3.5	98					0.11	34.864	27.4			
O6-2S-23m	3/15/06	958	0.10	3.1	0.60	8.4	0.40	5.6	8.0	224					0.10	34.649	24.3			
O6-2S-23m	5/17/06	1038	0.17	5.3	1.98	27.7	0.07	1.0	16.6	466					0.13	34.191	24.9			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.9</b>		<b>6.9</b>		<b>3.0</b>								<b>0.12</b>					
O6-2S-23m	8/16/06	1047	0.11	3.4	0.35	4.9	0.35	4.9	3.1	87					0.14	34.518	26.8			
O6-2S-23m	11/20/06	1040	0.19	5.9	1.83	25.6	0.52	7.3	15.4	433					0.16	34.352	26.6			
O6-2S-23m	2/12/07	1141	0.27	8.4	2.01	28.2	0.55	7.7	13.2	371					0.24	34.015	24.6			
O6-2S-23m	4/16/07	1121	0.21	6.5	2.26	31.7	0.47	6.6	16.4	461					0.17	34.225	26.5			
<b>Geomean</b>	<b>'06-'07</b>		<b>5.7</b>		<b>18.3</b>		<b>6.5</b>								<b>0.17</b>					
T6-10m	9/27/07	1020	0.17	5.2	0.64	9.0	0.15	2.1	4.9	138	0.33	10.1	5.7	80	0.13	34.707	26.7	8.10	6.37	0.07
T6-10m	12/14/07	1028	0.12	3.6	0.44	6.1	0.00		4.9	138	0.38	11.9	5.9	83	0.10	34.566	25.6	8.18	6.70	0.31
T6-10m	3/11/08	1035	0.13	4.0	1.23	17.2	0.06	0.8	21.3	598	0.29	9.1	7.6	107	0.09	34.680	24.7	8.1	6.57	0.29
T6-10m	6/9/08	1102	0.09	2.9	0.35	4.9	0.16	2.2	17.4	489	0.25	7.8	4.7	66	0.08	34.553	25.1	8.12	5.8	0.13
<b>Geomean</b>	<b>'07-'08</b>		<b>3.8</b>		<b>8.2</b>		<b>1.5</b>				<b>9.6</b>		<b>82</b>		<b>0.10</b>					
T6-10m	9/23/08	1157	0.03	1	0.43	6	0.47	6.6	3.5	98	0.34	10.4	5.8	82	0.08	34.755	26.9	8.10	6.43	0.11
T6-10m	12/8/08	1022	0.16	5	0.36	5.1	0.34	4.7	3.8	106	0.27	8.3	4.9	68	0.06	34.899	26.1	8.31	5.71	0.04
T6-10m	2/10/09	954	0.15	4.8	1.76	24.7	0.18	2.5	12.3	344	0.32	9.8	11.9	167	0.15	34.724	24.8	8.05	6.11	0.07
T6-10m	6/30/09	1045	0.27	8.3	0.41	5.8	0.12	1.7	4.6	129	0.47	14.6	5.1	72	0.34	34.862	26.7	8.20	6.28	0.12
<b>Geomean</b>	<b>'08-'09</b>		<b>3.8</b>		<b>8.1</b>		<b>3.4</b>				<b>10.5</b>		<b>91</b>		<b>0.13</b>					<b>0.08</b>
T6-10m	9/10/09	1054	0.16	5.1	0.41	5.7	0.24	3.4	7.0	197	0.57	17.6	6.1	85	0.11	35.26	27.2	8.22	5.70	0.3
T6-10m	11/24/09	1013	0.02	0.766	0.30	4.2	0.10	1.4	5.2	145	0.27	8.5	4.8	68	0.04	35.20	25.1	8.25	6.51	0.12
T6-10m	2/24/10	1047	0.14	4.3	0.27	3.8	0.32	4.5	3.6	102	0.12	3.7	8.7	121	0.07	34.78	24.6	8.22	5.61	0.11
T6-10m	5/26/10	1004	0.02	0.7	0.39	5.4	0.28	3.9	13.1	367	0.19	6	4.4	61	0.05	34.73	25.1	8.28	6.88	0.07
<b>Geomean</b>	<b>'09-'10</b>		<b>1.9</b>		<b>4.7</b>		<b>3.0</b>				<b>7.6</b>		<b>81</b>		<b>0.06</b>					<b>0.13</b>
T6-10m	8/11/10	1022	0.05	1.7	0.67	9.4	0.20	2.8	8.6	241	0.32	9.9	3.5	50	0.09	34.84	26.01	8.23	9.92	0.11
T6-10m	11/9/10	1018	0.05	1.5	0.36	5	0.26	3.6	3.4	96	0.37	11.6	5.0	71	0.09	34.88	26.40	8.28	6.20	0.06
T6-10m	1/11/11	1245	0.13	4.1	0.61	8.5	0.20	2.8	11.2	314	0.42	12.9	3.6	51	0.03	34.91	25.01	8.25	6.51	0.09
T6-10m	4/27/11	1020	0.15	4.6	0.44	6.1	0.20	2.8	9.8	275	0.43	13.4	3.6	50	0.07	34.79	24.84	8.23	6.44	0.19
<b>Geomean</b>	<b>'10-'11</b>		<b>2.6</b>		<b>7.0</b>		<b>3.0</b>				<b>11.9</b>		<b>55</b>		<b>0.06</b>					<b>0.10</b>

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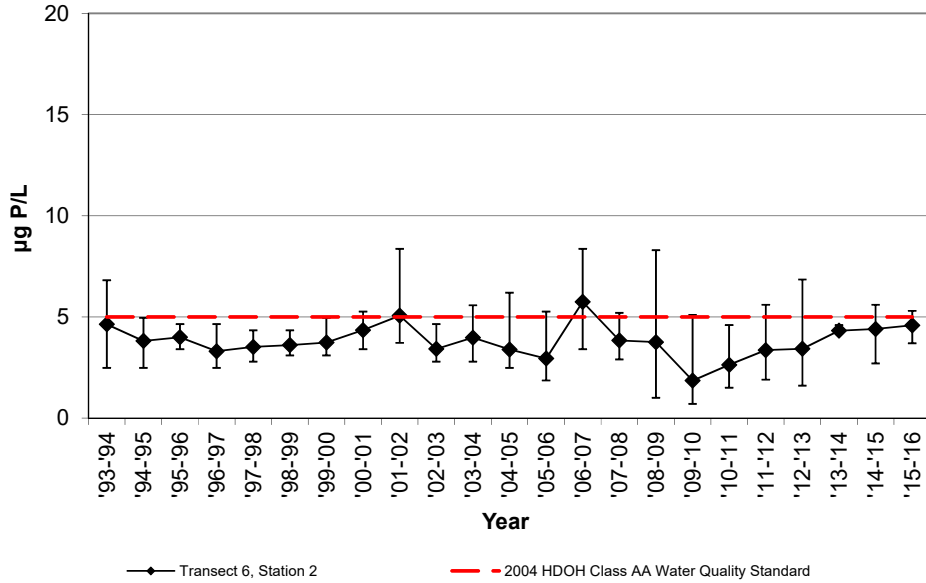
July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T6-10m	7/27/11	1105	0.18	5.6	0.26	3.7	0.09	1.3	2.1	60	0.47	14.5	3.3	47	0.10	34.77	25.99	8.23	6.59	0.11
T6-10m	10/19/11	1047	0.06	1.9	0.34	4.8	0.15	2.1	3.2	89	0.34	10.5	3.9	55	0.08	35.08	26.54	8.25	7.11	0.12
T6-10m	1/26/12	1011	0.08	2.4	0.41	5.8	0.09	1.3	4.7	132	0.34	10.5	3.8	54	0.03	34.94	24.44	8.20	6.76	0.12
T6-10m	4/25/12	1030	0.16	5	0.69	9.7	0.27	3.8	6.9	194	0.46	14.1	5.2	73	0.09	34.77	24.87	8.19	6.79	0.06
<b>Geomean</b>	<b>'11-'12</b>		<b>3.4</b>		<b>5.6</b>		<b>1.9</b>				<b>12.3</b>		<b>56</b>		<b>0.07</b>					<b>0.10</b>
T6-10m	7/25/12	1030	0.05	1.6	0.41	5.8	0.41	5.8	3.5	98	0.56	17.4	8.7	121	0.12	35.01	26.49	8.27	7.53	0.15
T6-10m	11/28/12	1030	0.11	3.4	1.00	14	0.23	3.2	5.7	161	0.43	13.2	4.8	67	0.05	35.12	25.14	8.20	6.75	0.19
T6-10m	1/24/13	1015	0.12	3.7	1.06	14.8	0.14	1.9	5.7	161	0.44	13.7	5.1	71	0.02	34.98	24.72	8.22	6.40	0.09
T6-10m	4/24/13	940	0.22	6.85	2.10	29.35	0.16	2.25	6.9	194	0.53	16.5	6.6	93	0.04	34.91	24.89	8.21	6.73	0.12
<b>Geomean</b>	<b>'12-'13</b>		<b>3.4</b>		<b>13.7</b>		<b>3.0</b>				<b>15.1</b>		<b>86</b>		<b>0.05</b>					<b>0.13</b>
T6-10m	8/6/13	1102	0.14	4.2	1.72	24.1	0.38	5.3	10.2	288	0.34	10.6	6.7	94	0.08	34.83	26.2	8.20	7.50	0.12
T6-10m	10/30/13	1009	0.15	4.6	0.47	6.6	0.25	3.5	3.0	84	0.43	13.4	5.2	72	0.03	34.89	27.0	8.22	5.92	0.08
T6-10m	2/5/14	1036	0.14	4.3	0.49	6.8	0.47	6.6	2.8	79	0.42	13.0	5.3	74	0.02	34.99	25.2	8.20	6.55	0.16
T6-10m	5/7/14	1029	0.14	4.2	0.41	5.7	0.32	4.5	2.4	67	0.40	12.5	6.3	88	0.04	34.78	25.7	8.20	5.57	0.11
<b>Geomean</b>	<b>'13-'14</b>		<b>4.3</b>		<b>8.9</b>		<b>4.8</b>				<b>12.3</b>		<b>82</b>		<b>0.04</b>					<b>0.11</b>
T6-10m	8/6/14	1022	0.17	5.3	0.51	7.1	0.44	6.2	3.4	95	0.53	16.3	4.8	67	0.08	34.85	26.6	8.23	6.16	0.04
T6-10m	12/4/14	1101	0.18	5.6	2.33	32.6	0.54	7.6	10.8	304	0.52	16.1	8.0	112	0.07	34.81	26.1	8.26	6.55	0.21
T6-10m	3/5/15	1109	0.09	2.7	1.51	21.2	0.55	7.7	6.0	168	0.36	11.1	7.2	100	0.08	34.69	25.3	8.27	6.91	0.15
T6-10m	6/18/15	1034	0.15	4.7	2.51	35.1	0.44	6.2	11.6	325	0.24	7.3	9.7	135	0.08	34.11	26.5	8.21	6.89	0.12
<b>Geomean</b>	<b>'14-'15</b>		<b>4.4</b>		<b>20.4</b>		<b>6.9</b>				<b>12.1</b>		<b>101</b>		<b>0.08</b>					<b>0.11</b>
T6-10m	8/27/15	1036	0.16	4.9	0.44	6.1	0.43	6.0	18.0	505	0.39	12.2	4.4	61	0.02	34.64	28.3	8.28	6.14	0.21
T6-10m	11/18/15	1107	0.17	5.3	0.84	11.7	0.41	5.7	7.2	202	0.48	14.8	6.4	90	0.07	34.63	27.4	8.27	6.70	0.17
T6-10m	3/2/16	948	0.15	4.6	0.34	4.7	0.33	4.6	1.2	35	0.48	14.9	5.1	71	0.09	34.75	25.2	8.26	5.79	0.11
T6-10m	5/4/16	1046	0.12	3.7	0.59	8.3	0.24	3.4	5.2	145	0.49	15.1	4.7	66	0.09	34.54	25.8	8.19	6.14	0.18
<b>Geomean</b>	<b>'15-'16</b>		<b>4.6</b>		<b>7.3</b>		<b>4.8</b>				<b>14.2</b>		<b>71</b>		<b>0.06</b>					<b>0.16</b>

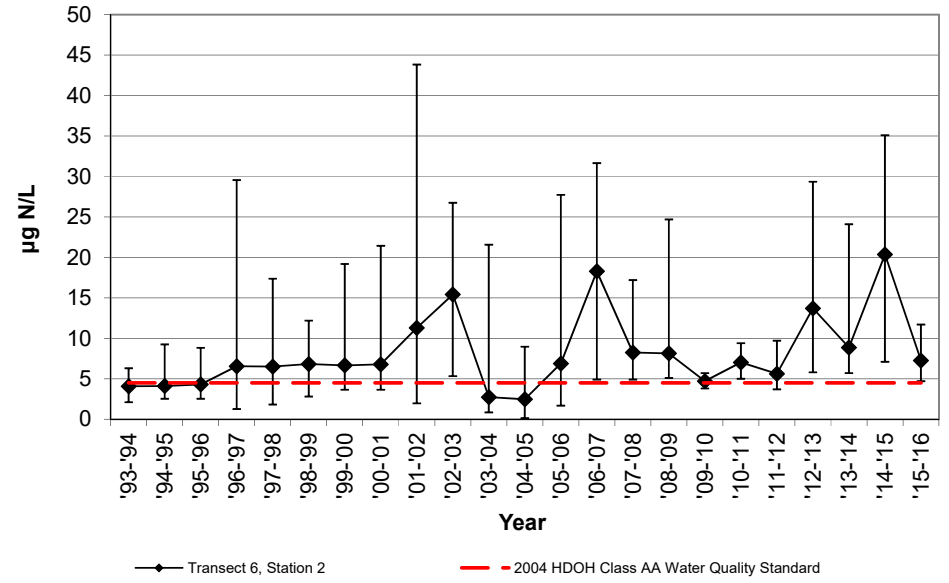


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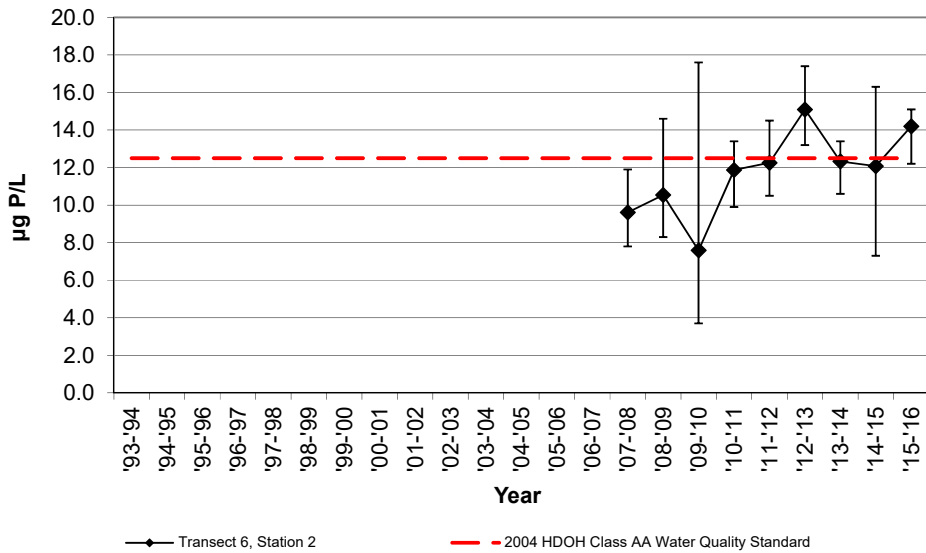
NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of Ortho-Phosphate



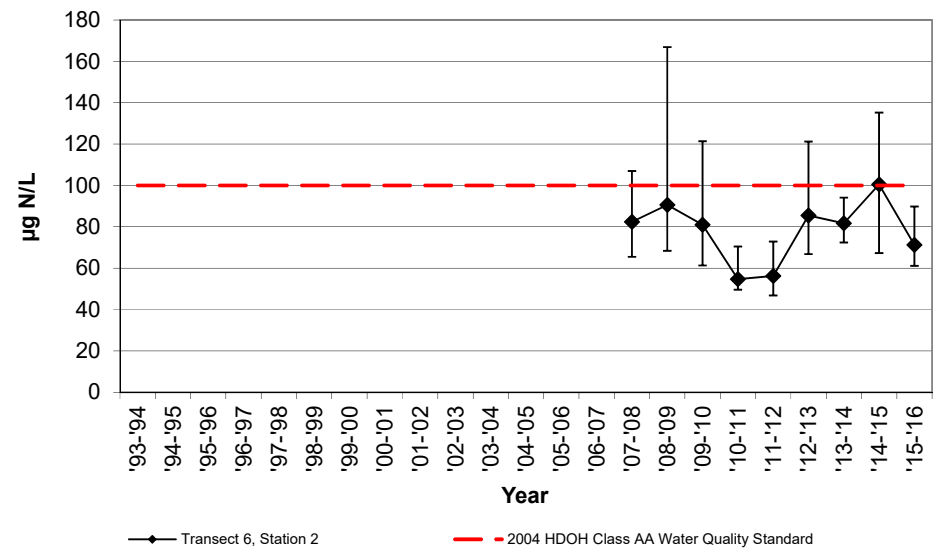
NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

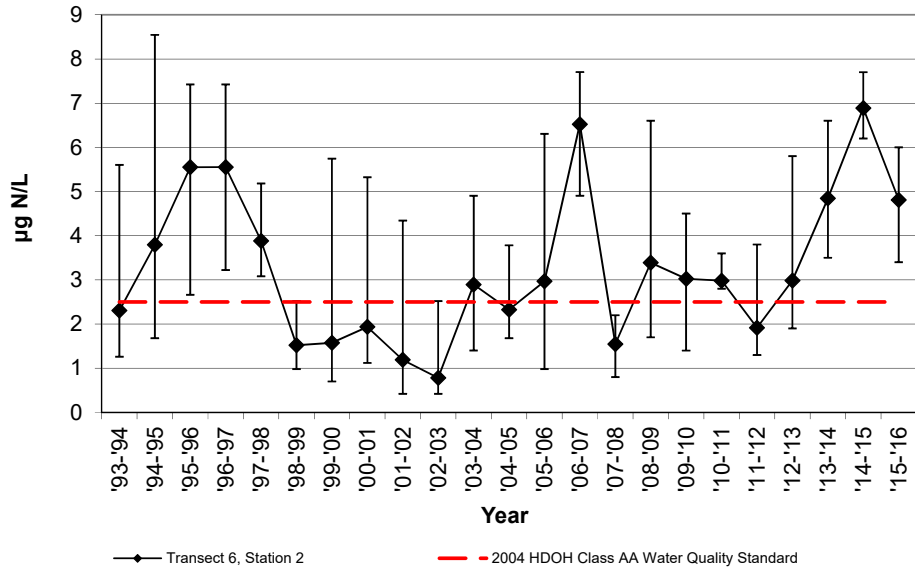


NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

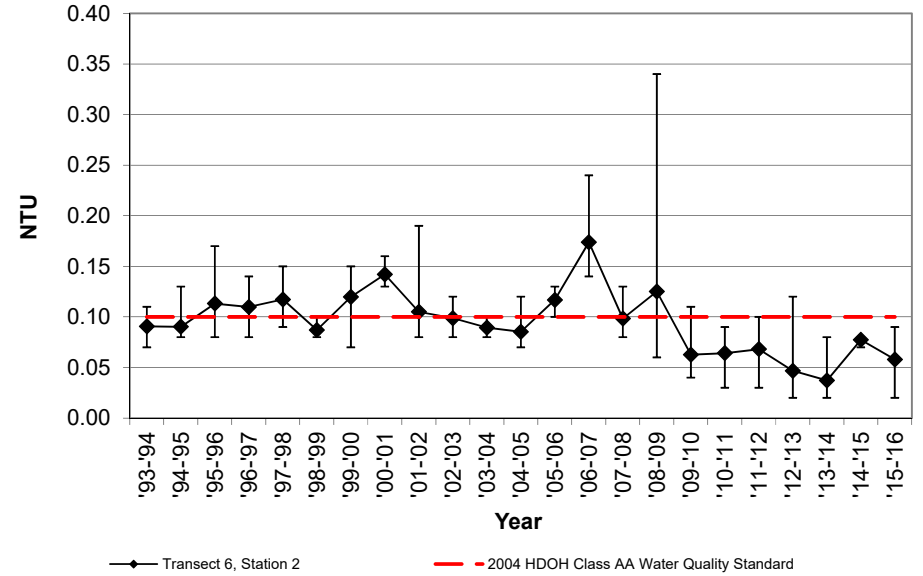


NELHA Water Quality Laboratory  
 Transect 6, Station 2  
 July 1993 - June 2015

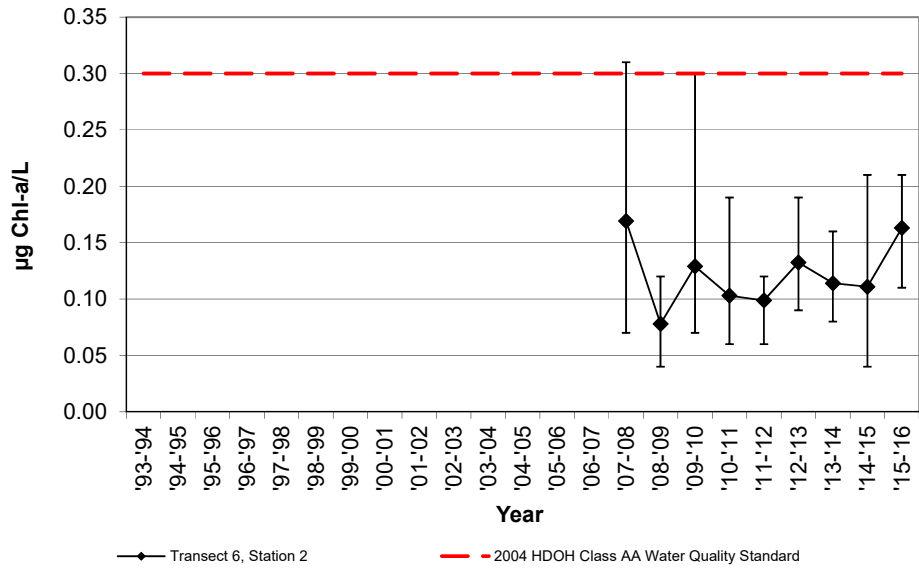
NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 6, Station 2  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 6, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>	<b>100</b>	<b>0.10</b>					<b>0.30</b>
O6-3S-38m	7/26/93	1141	0.11	3.4	0.11	1.5	0.33	4.6	2.3	65			0.06	34.432	27.0			
O6-3S-38m	12/6/93	926	0.07	2.2	0.44	6.2	0.13	1.8	4.0	112			0.09	34.763	25.7			
O6-3S-38m	3/7/94	856	0.22	6.8	0.80	11.2	0.22	3.1	10.3	288			0.09	34.014	24.9			
O6-3S-38m	6/15/94	901	0.21	6.5	0.25	3.5	0.12	1.7	4.0	112			0.09	34.481	25.6			
<b>Geomean '93-'94</b>			<b>4.3</b>		<b>4.4</b>		<b>2.6</b>						<b>0.08</b>					
O6-3S-38m	9/9/94	849	0.08	2.5	0.33	4.6	0.18	2.5	5.7	160			0.11	34.476	27.5			
O6-3S-38m	11/14/94	803	0.15	4.6	0.67	9.4	0.55	7.7	8.9	251			0.09	34.446	26.0			
O6-3S-38m	3/22/95	828	0.16	5.0	0.26	3.6	0.32	4.5	4.9	139			0.09	34.143	25.1			
O6-3S-38m	6/20/95	828	0.12	3.7	0.23	3.2	0.14	2.0	3.8	106			0.07	34.398	26.2			
<b>Geomean '94-'95</b>			<b>3.8</b>		<b>4.7</b>		<b>3.6</b>						<b>0.09</b>					
O6-3S-38m	9/26/95	941	0.13	4.0	0.78	10.9	0.47	6.6	12.0	338			0.13	34.221	27.0			
O6-3S-38m	11/14/95	1103	0.12	3.7	0.32	4.5	0.58	8.1	4.8	133			0.09	34.256	26.9			
O6-3S-38m	3/12/96	1127	0.14	4.3	0.19	2.7	0.50	7.0	3.8	107			0.06	34.135	25.5			
O6-3S-38m	5/14/96	1121	0.13	4.0	0.37	5.2	0.22	3.1	7.7	217			0.08	34.161	27.4			
<b>Geomean '95-'96</b>			<b>4.0</b>		<b>5.1</b>		<b>5.8</b>						<b>0.09</b>					
O6-3S-38m	7/31/96	1150	0.13	4.0	1.61	22.6	0.51	7.1	21.2	596			0.10	33.799	27.7			
O6-3S-38m	10/2/96	1123	0.08	2.5	0.58	8.1	0.43	6.0	9.2	259			0.15	34.400	28.4			
O6-3S-38m	11/7/97	1128	0.08	2.5	0.10	1.4	0.23	3.2	4.3	120			0.10	34.670	25.7			
O6-3S-38m	4/28/97	1150	0.23	7.1	0.58	8.1	0.49	6.9	16.0	449			0.11	34.218	26.4			
<b>Geomean '96-'97</b>			<b>3.6</b>		<b>6.8</b>		<b>5.6</b>						<b>0.11</b>					
O6-3S-38m	8/19/97	1128	0.08	2.5	0.45	6.3	0.21	2.9	9.0	252			0.12	34.427	27.0			
O6-3S-38m	10/7/97	1032	0.11	3.4	0.11	1.5	0.38	5.3	5.8	163			0.10	34.673	27.6			
O6-3S-38m	3/4/98	1203	0.12	3.7	0.67	9.4	0.25	3.5	10.3	289			0.13	34.746	25.2			
O6-3S-38m	5/5/98	1154	0.12	3.7	0.84	11.8	0.31	4.3	12.8	359			0.09	34.734	24.3			
<b>Geomean '97-'98</b>			<b>3.3</b>		<b>5.7</b>		<b>3.9</b>						<b>0.11</b>					
O6-3S-38m	7/7/98	1211	0.14	4.3	1.08	15.1	0.02	0.3	16.0	450			0.10	34.628	26.3			
O6-3S-38m	10/6/98	1120	0.13	4.0	0.88	12.3	0.11	1.5	11.3	317			0.08	34.819	27.2			
O6-3S-38m	1/19/99	1157	0.10	3.1	0.76	10.6	0.08	1.1	11.2	315			0.10	34.867	25.1			
O6-3S-38m	4/12/99	1203	0.12	3.7	0.15	2.1	0.14	2.0	4.4	125			0.07	34.634	24.2			
<b>Geomean '98-'99</b>			<b>3.8</b>		<b>8.0</b>		<b>1.0</b>						<b>0.09</b>					
O6-3S-38m	7/6/99	1229	0.10	3.1	0.28	3.9	0.05	0.7	7.3	206			0.12	34.827	25.7			
O6-3S-38m	10/4/99	1250	0.12	3.7	0.25	3.5	0.11	1.5	3.9	108			0.10	34.927	26.4			
O6-3S-38m	1/12/00	1157	0.16	5.0	1.63	22.8	0.46	6.4	28.9	810			0.08	34.351	24.9			
O6-3S-38m	4/11/00	1055	0.11	3.4	0.58	8.1	0.06	0.8	13.6	382			0.10	34.625	24.5			
<b>Geomean '99-'00</b>			<b>3.7</b>		<b>7.1</b>		<b>1.6</b>						<b>0.10</b>					
O6-3S-38m	7/25/00	1215	0.11	3.4	0.19	2.7	0.05	0.7	10.4	293			0.08	34.775	26.7			
O6-3S-38m	10/31/00	1159	0.13	4.0	0.45	6.3	0.28	3.9	10.6	298			0.08	34.721	27.0			
O6-3S-38m	3/6/01	1145	0.18	5.6	0.24	3.4	0.06	0.8	5.6	158			0.07	34.674	24.8			
O6-3S-38m	5/7/01	1246	0.17	5.3	1.58	22.1	0.33	4.6	19.1	537			0.12	34.367	24.7			
<b>Geomean '00-'01</b>			<b>4.5</b>		<b>5.9</b>		<b>1.8</b>						<b>0.09</b>					
O6-3S-38m	8/14/01	1050	0.12	3.7	0.15	2.1	0.32	4.5	3.8	107			0.14	34.811	26.7			
O6-3S-38m	10/30/01	1100	0.14	4.3	0.60	8.4	0.02	0.3	5.5	155			0.07	34.888	26.7			
O6-3S-38m	3/6/02	1106	0.24	7.4	2.85	39.9	0.08	1.1	20.8	584			0.12	34.060	24.2			
O6-3S-38m	4/15/02	1123	0.18	5.6	1.93	27.0	0.04	0.6	12.3	345			0.09	34.167	25.6			
<b>Geomean '01-'02</b>			<b>5.1</b>		<b>11.7</b>		<b>0.9</b>						<b>0.10</b>					

NELHA Water Quality Laboratory

Transect 6, Station 3

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (µM) (µg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (µM) (µg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (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)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-3S-38m	7/10/02	1112	0.11	3.4	2.00	28.0	0.18	2.5	14.3	401					0.10	34.304	26.2			
O6-3S-38m	10/8/02	1106	0.14	4.3	1.81	25.4	0.06	0.8	13.8	386					0.09	34.547	27.0			
O6-3S-38m	3/12/03	1004	0.14	4.3	0.70	9.8	0.03	0.4	8.7	245					0.10	34.527	25.0			
O6-3S-38m	4/23/03	1114	0.14	4.3	0.93	13.0	0.03	0.4	10.5	294					0.08	34.709	24.9			
<b>Geomean</b>	<b>'02-'03</b>		<b>4.1</b>		<b>17.4</b>		<b>0.8</b>								<b>0.09</b>					
O6-3S-38m	8/21/03	1045	0.08	2.5	0.03	0.4	0.10	1.4	4.1	115					0.07	34.770	28.4			
O6-3S-38m	11/3/03	1029	0.13	4.0	0.17	2.4	0.23	3.2	6.0	169					0.12	34.597	27.4			
O6-3S-38m	3/18/04	1040	0.18	5.6	1.12	15.7	0.37	5.2	11.8	331					n/a	34.075	25.5			
O6-3S-38m	5/24/04	1053	0.17	5.3	0.24	3.4	0.16	2.2	4.7	131					n/a	33.25	26.8			
<b>Geomean</b>	<b>'03-'04</b>		<b>4.1</b>		<b>2.7</b>		<b>2.7</b>								<b>0.09</b>					
O6-3S-38m	9/22/04	1128	0.08	2.5	0.01	0.1	0.36	5.0	2.5	69					0.09	33.66	27.8			
O6-3S-38m	11/29/04	1036	0.08	2.5	0.29	4.1	0.11	1.5	3.8	106					0.07	33.64	26.9			
O6-3S-38m	1/24/05	1112	0.10	3.1	0.74	10.4	0.18	2.5	9.4	264					0.09	34.587	25.7			
O6-3S-38m	4/13/05	1119	0.14	4.3	0.28	3.9	0.13	1.8	5.8	161					0.09	34.381	25.0			
<b>Geomean</b>	<b>'04-'05</b>		<b>3.0</b>		<b>2.2</b>		<b>2.4</b>								<b>0.08</b>					
O6-3S-38m	7/21/05	1053	0.06	1.9	0.32	4.5	0.35	4.9	12.8	358					0.12	34.631	27.4			
O6-3S-38m	10/13/05	1026	0.06	1.9	0.11	1.5	0.20	2.8	3.6	101					0.11	34.928	27.4			
O6-3S-38m	3/15/06	952	0.11	3.4	0.74	10.4	0.38	5.3	9.2	258					0.08	34.630	24.3			
O6-3S-38m	5/17/06	1035	0.09	2.8	0.07	1.0	0.05	0.7	2.0	56					0.13	34.672	24.9			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.4</b>		<b>2.9</b>		<b>2.7</b>								<b>0.11</b>					
O6-3S-38m	8/16/06	1042	0.11	3.4	0.36	5.0	0.36	5.0	3.0	85					0.14	34.596	26.8			
O6-3S-38m	11/20/06	1035	0.26	8.1	2.56	35.9	0.56	7.8	20.7	581					0.22	34.150	26.6			
O6-3S-38m	2/12/07	1136	0.21	6.5	2.14	30.0	0.65	9.1	14.3	402					0.34	33.991	24.5			
O6-3S-38m	4/16/07	1117	0.21	6.5	2.52	35.3	0.41	5.7	20.9	587					0.20	34.335	26.7			
<b>Geomean</b>	<b>'06-'07</b>		<b>5.8</b>		<b>20.9</b>		<b>6.7</b>								<b>0.21</b>					
T6-50m	9/27/07	1010	0.16	5.1	0.38	5.3	0.03	0.4	8.4	235	0.33	10.1	7.1	100	0.10	34.785	26.7	8.10	6.39	0.11
T6-50m	12/14/07	1031	0.12	3.7	1.02	14.3	0.00		9.2	259	0.42	13.1	5.9	83	0.08	34.398	25.7	8.18	6.96	0.3
T6-50m	3/11/08	1037	0.12	3.7	0.79	11.0	0.06	0.8	13.0	366	0.27	8.4	6.9	96	0.11	34.720	24.7	8.1	6.59	0.29
T6-50m	6/9/08	1104	0.11	3.3	0.48	6.7	0.16	2.2	19.9	559	0.27	8.4	5.8	81	0.15	34.5592	25.2	8.12	5.79	0.2
<b>Geomean</b>	<b>'07-'08</b>		<b>3.9</b>		<b>8.6</b>		<b>0.9</b>				<b>9.8</b>		<b>90</b>		<b>0.11</b>					
T6-50m	9/23/08	1204	0.03	0.8	0.19	2.6	0.37	5.2	2.3	64	0.29	9.1	4.8	68	0.07	34.786	26.9	8.08	6.40	0.15
T6-50m	12/8/08	1028	0.18	5.6	0.95	13.3	0.44	6.1	8.2	231	0.32	9.9	6.6	92	0.12	34.671	26.2	8.31	5.46	0.07
T6-50m	2/10/09	958	0.09	2.9	0.76	10.7	0.18	2.5	6.8	191	0.26	8	8.3	116	0.08	34.847	24.7	8.06	6.10	0.07
T6-50m	6/30/09	1050	0.23	7.2	0.44	6.1	0.44	6.2	5.0	142	0.46	14.1	4.3	60	0.24	34.785	26.8	8.22	6.36	0.11
<b>Geomean</b>	<b>'08-'09</b>		<b>3.1</b>		<b>6.9</b>		<b>4.7</b>				<b>10.0</b>		<b>81</b>		<b>0.11</b>					<b>0.09</b>
T6-50m	9/10/09	1102	0.13	3.9	0.46	6.5	0.30	4.2	6.7	189	0.58	18.0	6.3	88	0.10	35.02	27.4	8.20	5.70	0.17
T6-50m	11/24/09	1020	0.02	0.766	0.39	5.4	0.14	1.9	25.6	719	0.28	8.7	5.2	73	0.04	35.18	25.1	8.26	6.61	0.13
T6-50m	2/24/10	1050	0.12	3.8	0.09	1.2	0.36	5	7.4	208	0.28	8.8	7.6	107	0.08	34.78	24.6	8.23	5.61	0.27
T6-50m	5/26/10	1011	0.02	0.6	0.33	4.6	0.16	2.2	4.8	134	0.27	8.4	6.4	90	0.10	34.73	25.1	8.28	6.91	0.09
<b>Geomean</b>	<b>'09-'10</b>		<b>1.6</b>		<b>3.7</b>		<b>3.1</b>				<b>10.4</b>		<b>88</b>		<b>0.08</b>					<b>0.15</b>
T6-50m	8/11/10	1027	0.05	1.5	0.58	8.1	0.05	0.7	5.1	142	0.29	8.9	2.9	41	0.05	34.92	25.98	8.22	6.64	0.10
T6-50m	11/9/10	1022	0.05	1.7	0.51	7.1	0.16	2.3	10.0	281	0.40	12.4	4.8	67	0.09	34.85	26.38	8.29	6.26	0.04
T6-50m	1/11/11	1249	0.15	4.8	0.87	12.2	0.15	2.1	17.3	486	0.51	15.7	4.5	64	0.04	34.96	25.00	8.25	6.49	0.11
T6-50m	4/27/11	1023	0.16	5.1	0.56	7.9	0.19	2.7	22.6	635	0.43	13.3	3.9	54	0.09	34.77	24.84	8.23	6.48	0.17
<b>Geomean</b>	<b>'10-'11</b>		<b>2.8</b>		<b>8.6</b>		<b>1.7</b>				<b>12.3</b>		<b>55</b>		<b>0.06</b>					<b>0.09</b>

NELHA Water Quality Laboratory

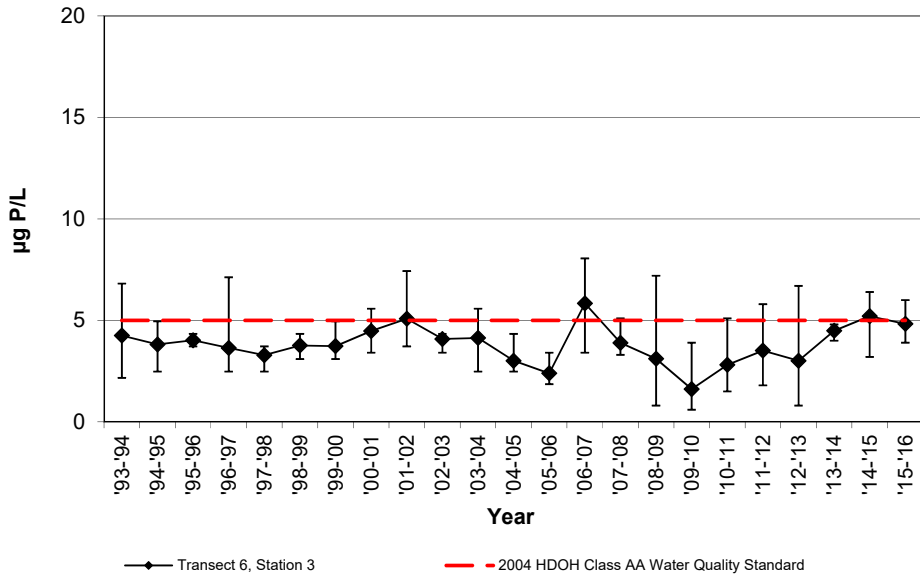
Transect 6, Station 3

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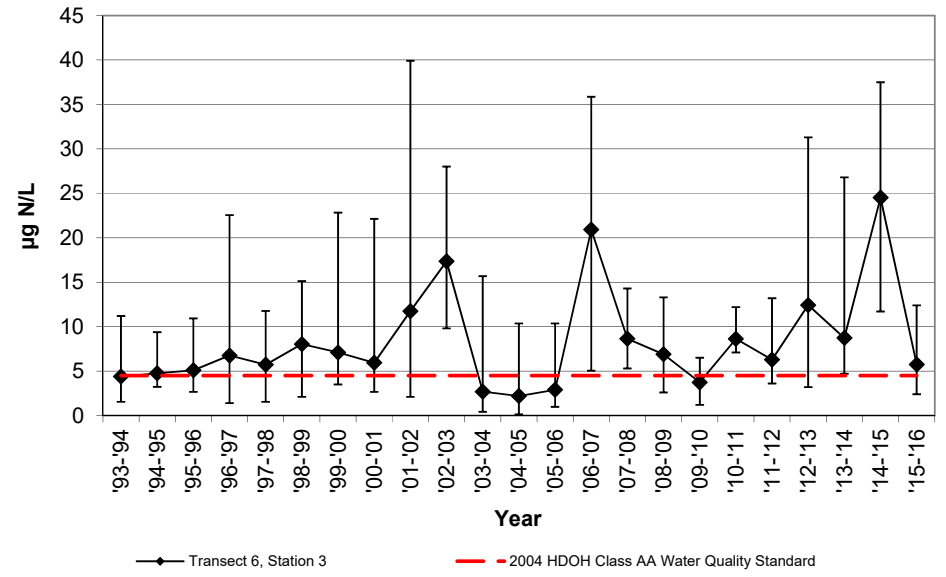
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup> (μM) (μg P/L)		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup> (μM) (μg N/L)		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub> (μM) (μg N/L)		Si (μM) (μg Si/L)		TDP (μM) (μg P/L)		TDN (μM) (μg N/L)		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (μg/L)
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T6-50m	7/27/11	1109	0.19	5.8	0.26	3.6	0.10	1.4	2.7	75	0.48	14.9	4.0	56	0.07	34.76	26.06	8.23	6.42	0.10
T6-50m	10/19/11	1051	0.06	1.8	0.30	4.2	0.28	3.9	3.1	88	0.36	11.2	4.1	58	0.04	35.08	26.54	8.26	7.12	0.14
T6-50m	1/26/12	1016	0.08	2.6	0.56	7.8	0.15	2.1	5.8	163	0.36	11.2	3.4	48	0.07	34.90	24.42	8.20	6.69	0.14
T6-50m	4/25/12	1032	0.18	5.6	0.94	13.2	0.35	4.9	9.5	267	0.43	13.4	3.9	55	0.07	34.65	24.79	8.20	6.94	0.08
<b>Geomean '11-'12</b>			<b>3.5</b>		<b>6.3</b>		<b>2.7</b>				<b>12.6</b>		<b>54</b>		<b>0.06</b>					<b>0.11</b>
T6-50m	7/25/12	1041	0.03	0.8	0.23	3.2	0.21	2.9	2.4	68	0.42	12.9	4.7	67	0.16	35.06	26.49	8.24	6.74	0.20
T6-50m	11/28/12	1034	0.15	4.8	2.23	31.3	0.28	3.9	13.5	380	0.46	14.4	6.2	86	0.02	34.79	25.06	8.20	6.85	0.22
T6-50m	1/24/13	1020	0.10	3.2	0.65	9.1	0.15	2.1	5.0	141	0.45	13.8	5.0	70	0.02	34.97	24.76	8.23	6.48	0.07
T6-50m	4/24/13	946	0.22	6.7	1.87	26.2	0.16	2.3	9.5	267	0.55	16.95	5.6	79	0.03	34.92	24.91	8.22	6.73	0.10
<b>Geomean '12-'13</b>			<b>3.0</b>		<b>12.4</b>		<b>2.7</b>				<b>14.4</b>		<b>75</b>		<b>0.04</b>					<b>0.13</b>
T6-50m	8/6/13	1107	0.15	4.7	1.91	26.8	0.43	6.0	11.9	333	0.39	12.1	7.0	98	0.02	34.90	26.2	8.21	7.41	0.14
T6-50m	10/30/13	1014	0.15	4.8	0.47	6.6	0.21	2.9	3.2	89	0.56	17.2	6.2	87	0.03	34.89	27.0	8.22	5.81	0.15
T6-50m	2/5/14	1039	0.15	4.5	0.34	4.7	0.33	4.6	2.4	68	0.43	13.4	4.2	59	0.02	35.00	25.2	8.20	6.56	0.13
T6-50m	5/7/14	1034	0.13	4.0	0.50	7.0	0.30	4.2	6.2	173	0.42	12.9	5.4	76	0.08	34.72	25.8	8.20	5.57	0.13
<b>Geomean '13-'14</b>			<b>4.5</b>		<b>8.7</b>		<b>4.3</b>				<b>13.8</b>		<b>79</b>		<b>0.03</b>					<b>0.14</b>
T6-50m	8/6/14	1026	0.20	6.2	0.84	11.7	0.52	7.3	5.1	143	0.51	15.9	5.3	75	0.07	34.80	26.7	8.24	6.29	0.18
T6-50m	12/4/14	1107	0.19	5.8	1.91	26.7	0.85	11.9	11.2	314	0.58	18.1	8.9	125	0.07	34.82	26.2	8.26	6.99	0.29
T6-50m	3/5/15	1116	0.10	3.2	2.21	30.9	0.31	4.3	10.8	302	0.39	12.2	7.1	99	0.07	34.44	25.3	8.30	6.90	0.16
T6-50m	6/18/15	1041	0.21	6.4	2.68	37.5	0.43	6.0	12.5	350	0.46	14.2	8.5	120	0.08	34.06	26.5	8.21	6.99	0.18
<b>Geomean '14-'15</b>			<b>5.2</b>		<b>24.5</b>		<b>6.9</b>				<b>14.9</b>		<b>103</b>		<b>0.07</b>					<b>0.20</b>
T6-50m	8/27/15	1041	0.17	5.4	0.17	2.4	0.19	2.6	4.2	117	0.40	12.4	4.8	67	0.02	34.67	28.5	8.28	6.03	0.17
T6-50m	11/18/15	1114	0.19	6.0	0.89	12.4	2.11	29.5	6.0	170	0.43	13.3	6.9	97	0.08	34.61	27.4	8.29	6.96	0.24
T6-50m	3/2/16	953	0.13	3.9	0.34	4.7	0.25	3.5	1.3	37	0.50	15.4	7.7	108	0.09	34.72	25.2	8.25	5.84	0.11
T6-50m	5/4/16	1051	0.14	4.3	0.56	7.8	0.33	4.6	5.7	161	0.26	8.0	4.5	63	0.09	34.53	25.8	8.19	6.15	0.20
<b>Geomean '15-'16</b>			<b>4.8</b>		<b>5.7</b>		<b>5.9</b>				<b>11.9</b>		<b>82</b>		<b>0.06</b>					<b>0.17</b>

NELHA Water Quality Laboratory  
 Transect 6, Station 3  
 July 1993 - June 2015

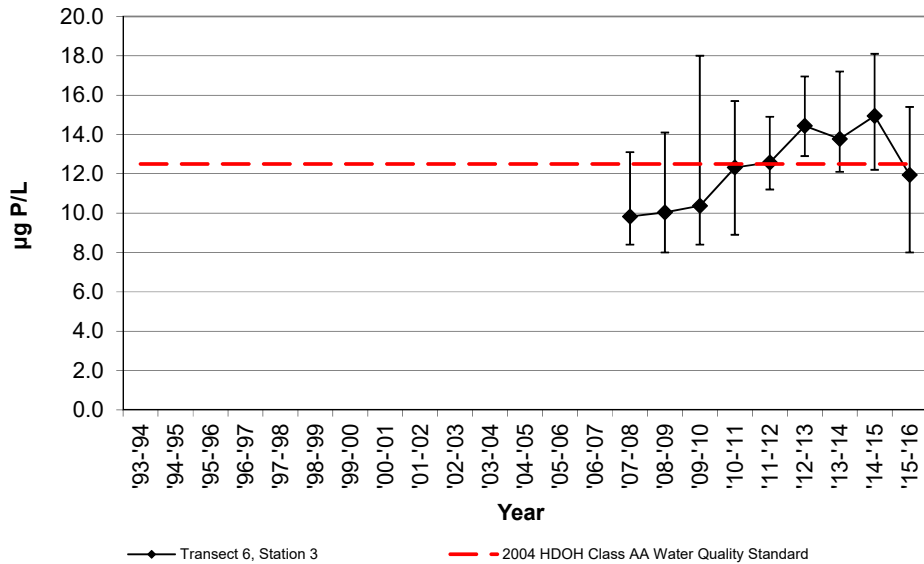
NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of Ortho-Phosphate



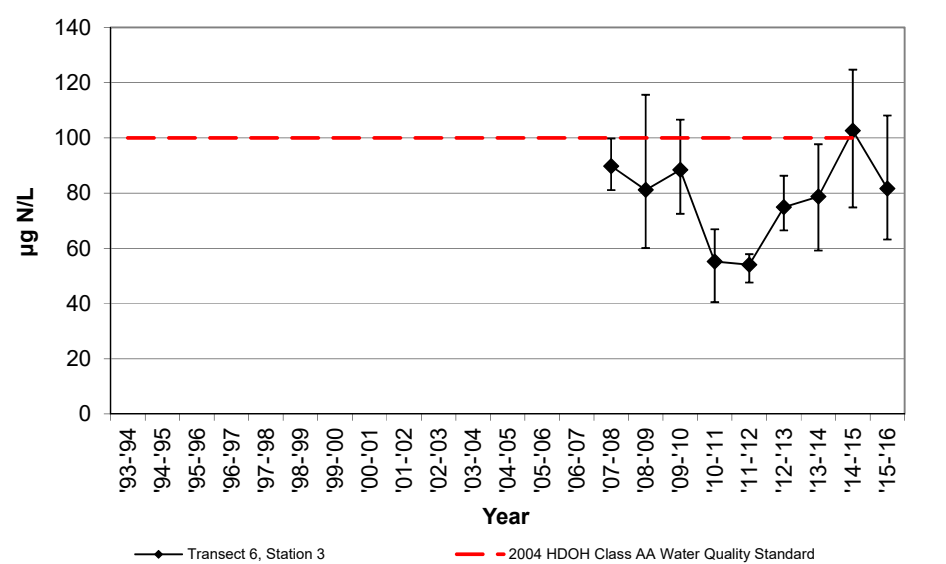
NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

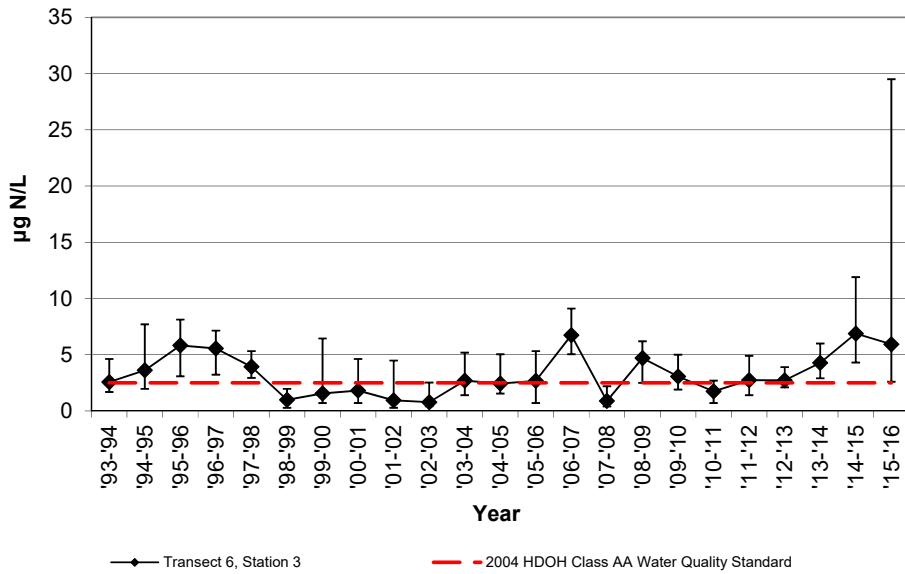


NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

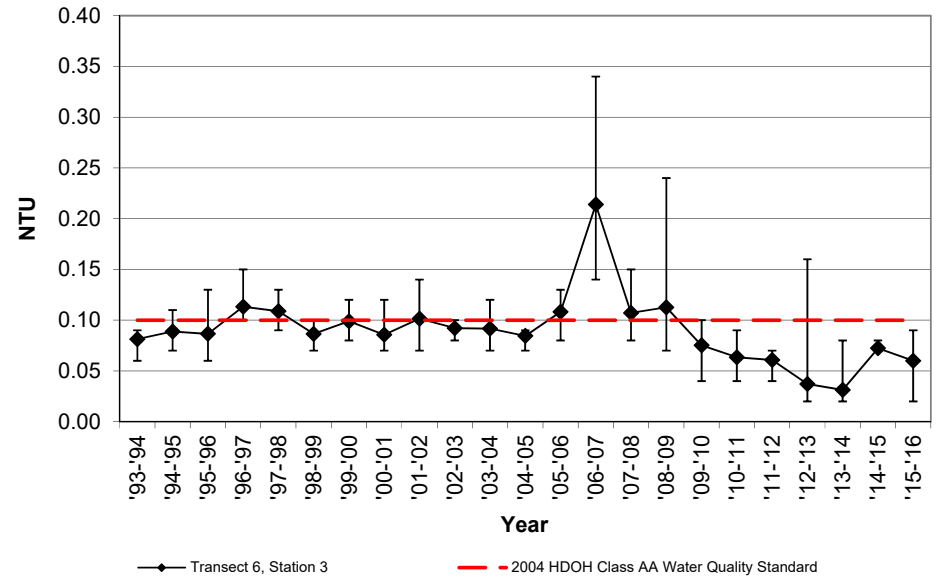


NELHA Water Quality Laboratory  
 Transect 6, Station 3  
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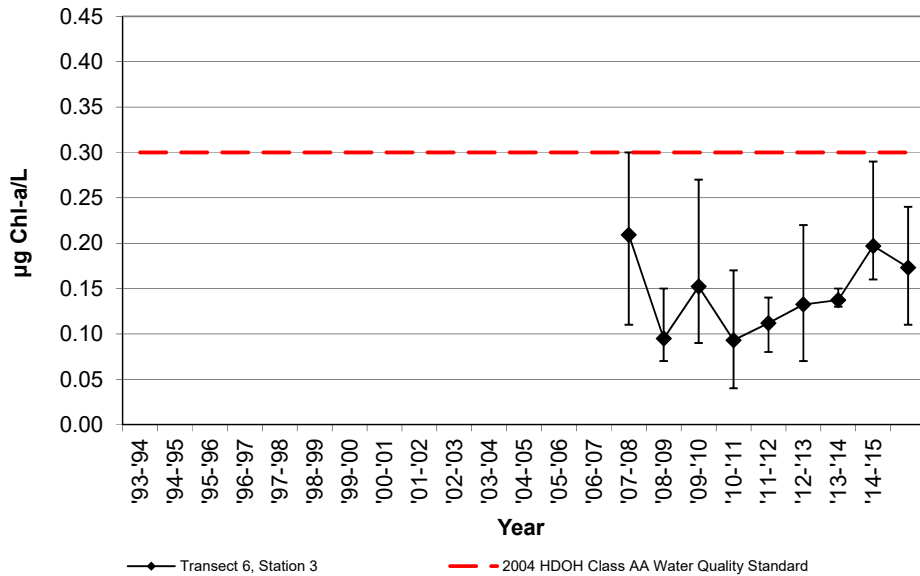
NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 6, Station 3  
 Yearly Geometric Mean of Chlorophyll-a



NELHA Water Quality Laboratory

Transect 6, Station 4

July 1993 - June 2015

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-4S-53m	7/26/93	1130	0.09	2.8	0.12	1.7	0.42	5.9	2.1	58					0.07	34.440	27.0			
O6-4S-53m	12/6/93	917	0.06	1.9	0.53	7.4	0.09	1.3	4.2	118					0.09	34.755	25.7			
O6-4S-53m	3/7/94	849	0.22	6.8	0.91	12.7	0.18	2.5	11.4	320					0.08	33.964	24.9			
O6-4S-53m	6/15/94	857	0.22	6.8	0.27	3.8	0.40	5.6	4.2	117					0.13	34.497	25.6			
<b>Geomean '93-'94</b>			<b>3.9</b>		<b>5.0</b>		<b>3.2</b>								<b>0.09</b>					
O6-4S-53m	9/9/94	847	0.06	1.9	0.01	0.1	0.10	1.4	2.5	70					0.07	34.580	27.6			
O6-4S-53m	11/14/94	759	0.14	4.3	0.48	6.7	0.55	7.7	6.7	188					0.11	34.521	26.0			
O6-4S-53m	3/22/95	830	0.17	5.3	0.29	4.1	0.34	4.8	5.5	154					0.11	34.128	25.1			
O6-4S-53m	6/20/95	820	0.12	3.7	0.24	3.4	0.10	1.4	3.8	106					0.07	34.389	26.2			
<b>Geomean '94-'95</b>			<b>3.5</b>		<b>1.9</b>		<b>2.9</b>								<b>0.09</b>					
O6-4S-53m	9/26/95	953	0.14	4.3	0.58	8.1	0.56	7.8	10.0	281					0.17	34.295	27.0			
O6-4S-53m	11/14/95	1058	0.11	3.4	0.30	4.2	0.52	7.3	4.5	125					0.09	34.315	26.8			
O6-4S-53m	3/12/96	1121	0.14	4.3	0.27	3.8	0.52	7.3	4.9	138					0.06	34.095	25.5			
O6-4S-53m	5/14/96	1117	0.10	3.1	0.14	2.0	0.16	2.2	4.1	114					0.08	34.273	27.5			
<b>Geomean '95-'96</b>			<b>3.8</b>		<b>4.0</b>		<b>5.5</b>								<b>0.09</b>					
O6-4S-53m	7/31/96	1146	0.13	4.0	1.73	24.2	0.53	7.4	23.1	649					0.12	33.745	27.8			
O6-4S-53m	10/2/96	1119	0.08	2.5	0.06	0.8	0.46	6.4	10.6	299					0.13	34.343	28.4			
O6-4S-53m	1/7/97	1124	0.09	2.8	0.59	8.3	0.24	3.4	9.5	267					0.09	34.486	25.6			
O6-4S-53m	4/28/97	1141	0.17	5.3	0.56	7.8	0.53	7.4	9.3	260					0.09	34.227	26.5			
<b>Geomean '96-'97</b>			<b>3.5</b>		<b>6.0</b>		<b>5.9</b>								<b>0.11</b>					
O6-4S-53m	8/19/97	1123	0.12	3.7	0.53	7.4	0.24	3.4	10.9	306					0.12	34.387	27.0			
O6-4S-53m	10/7/97	1025	0.11	3.4	0.19	2.7	0.37	5.2	7.1	199					0.10	34.654	27.6			
O6-4S-53m	3/4/98	1157	0.14	4.3	1.65	23.1	0.36	5.0	26.3	739					0.10	34.160	25.2			
O6-4S-53m	5/5/98	1148	0.14	4.3	1.38	19.3	0.31	4.3	17.6	495					0.12	34.579	24.4			
<b>Geomean '97-'98</b>			<b>3.9</b>		<b>9.7</b>		<b>4.4</b>								<b>0.11</b>					
O6-4S-53m	7/7/98	1204	0.14	4.3	0.95	13.3	0.04	0.6	14.3	402					0.11	34.647	26.3			
O6-4S-53m	10/6/98	1113	0.12	3.7	0.85	11.9	0.13	1.8	10.0	282					0.08	34.817	27.1			
O6-4S-53m	1/19/99	1152	0.08	2.5	0.52	7.3	0.13	1.8	8.4	237					0.07	34.946	25.2			
O6-4S-53m	4/12/99	1156	0.12	3.7	0.18	2.5	0.14	2.0	5.1	144					0.09	34.620	24.2			
<b>Geomean '98-'99</b>			<b>3.5</b>		<b>7.3</b>		<b>1.4</b>								<b>0.09</b>					
O6-4S-53m	7/6/99	1222	0.09	2.8	0.28	3.9	0.08	1.1	6.0	170					0.12	34.811	25.7			
O6-4S-53m	10/4/99	1242	0.11	3.4	0.26	3.6	0.06	0.8	4.4	124					0.09	34.923	26.4			
O6-4S-53m	1/12/00	1149	0.15	4.6	1.53	21.4	0.42	5.9	25.9	726					0.07	34.375	24.8			
O6-4S-53m	4/11/00	1049	0.12	3.7	0.72	10.1	0.04	0.6	11.1	311					0.05	34.560	24.5			
<b>Geomean '99-'00</b>			<b>3.6</b>		<b>7.5</b>		<b>1.3</b>								<b>0.08</b>					
O6-4S-53m	7/25/00	1209	0.11	3.4	0.21	2.9	0.07	1.0	5.8	164					0.07	34.763	26.7			
O6-4S-53m	10/31/00	1153	0.12	3.7	0.39	5.5	0.27	3.8	9.3	260					0.11	34.773	26.9			
O6-4S-53m	3/6/01	1140	0.17	5.3	0.20	2.8	0.10	1.4	5.6	157					0.12	34.678	24.8			
O6-4S-53m	5/7/01	1241	0.17	5.3	1.50	21.0	0.35	4.9	23.5	660					0.09	34.363	24.8			
<b>Geomean '00-'01</b>			<b>4.3</b>		<b>5.5</b>		<b>2.2</b>								<b>0.10</b>					
O6-4S-53m	8/14/01	1044	0.12	3.7	0.14	2.0	0.29	4.1	3.6	100					0.10	34.814	26.7			
O6-4S-53m	10/30/01	1056	0.15	4.6	0.74	10.4	0.05	0.7	7.1	199					0.08	34.833	26.8			
O6-4S-53m	3/6/02	1102	0.25	7.7	3.10	43.4	0.08	1.1	23.3	654					0.09	34.958	24.2			
O6-4S-53m	4/15/02	1117	0.12	3.7	1.85	25.9	0.06	0.8	12.3	346					0.09	34.173	25.6			
<b>Geomean '01-'02</b>			<b>4.7</b>		<b>12.3</b>		<b>1.3</b>								<b>0.09</b>					



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SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-4S-53m	7/10/02	1106	0.07	2.2	2.10	29.4	0.20	2.8	14.0	393					0.07	34.319	26.2			
O6-4S-53m	10/8/02	1102	0.14	4.3	1.76	24.7	0.09	1.3	11.8	331					0.10	34.617	27.1			
O6-4S-53m	3/12/03	959	0.14	4.3	0.80	11.2	0.03	0.4	10.5	295					0.09	34.472	24.9			
O6-4S-53m	4/23/03	1110	0.15	4.6	1.32	18.5	0.03	0.4	14.6	409					0.09	35.561	25.0			
<b>Geomean '02-'03</b>			<b>3.7</b>		<b>19.7</b>		<b>0.9</b>								<b>0.09</b>					
O6-4S-53m	8/21/03	1038	0.09	2.8	0.03	0.4	0.10	1.4	3.8	106					0.05	34.779	28.4			
O6-4S-53m	11/3/03	1016	0.10	3.1	0.01	0.1	0.17	2.4	2.4	67					0.08	34.647	27.3			
O6-4S-53m	3/18/04	1033	0.12	3.7	0.52	7.3	0.38	5.3	6.8	190					n/a	34.195	25.7			
O6-4S-53m	5/24/04	1041	0.16	5.0	0.50	7.0	0.23	3.2	5.5	154					n/a	33.35	26.8			
<b>Geomean '03-'04</b>			<b>3.6</b>		<b>1.3</b>		<b>2.7</b>								<b>0.06</b>					
O6-4S-53m	9/22/04	1123	0.07	2.2	0.01	0.1	0.27	3.8	2.3	64					0.08	33.68	27.8			
O6-4S-53m	11/29/04	1031	0.09	2.8	0.38	5.3	0.17	2.4	4.6	129					0.04	33.69	26.9			
O6-4S-53m	1/24/05	1108	0.06	1.9	0.01	0.1	0.14	2.0	2.1	59					0.07	34.341	25.7			
O6-4S-53m	4/13/05	1112	0.14	4.3	0.34	4.8	0.16	2.2	6.2	175					0.08	34.844	25.0			
<b>Geomean '04-'05</b>			<b>2.6</b>		<b>0.8</b>		<b>2.5</b>								<b>0.07</b>					
O6-4S-53m	7/21/05	1049	0.06	1.9	0.18	2.5	0.38	5.3	4.6	130					0.09	34.664	27.4			
O6-4S-53m	10/13/05	1021	0.06	1.9	0.05	0.7	0.20	2.8	2.8	77					0.10	34.901	27.4			
O6-4S-53m	3/15/06	945	0.11	3.4	0.63	8.8	0.33	4.6	11.1	313					0.08	34.655	24.4			
O6-4S-53m	5/17/06	1030	0.10	3.1	0.08	1.1	0.05	0.7	1.5	43					0.11	34.665	24.8			
<b>Geomean '05-'06</b>			<b>2.5</b>		<b>2.0</b>		<b>2.6</b>								<b>0.09</b>					
O6-4S-53m	8/16/06	1032	0.12	3.7	0.49	6.9	0.33	4.6	3.9	109					0.09	34.585	26.8			
O6-4S-53m	11/20/06	1030	0.18	5.6	1.28	17.9	0.63	8.8	11.7	329					0.41	34.480	26.7			
O6-4S-53m	2/12/07	1130	0.19	5.9	2.03	28.4	0.42	5.9	15.8	444					0.18	33.994	24.9			
O6-4S-53m	4/16/07	1112	0.14	4.3	0.63	8.8	0.39	5.5	9.6	269					0.19	34.453	26.5			
<b>Geomean '06-'07</b>			<b>4.8</b>		<b>13.3</b>		<b>6.0</b>								<b>0.19</b>					
T6-100m	9/27/07	1000	0.14	4.4	0.01	0.1	0.13	1.8	9.4	263	0.33	10.2	6.2	87	0.15	34.797	26.7	8.09	6.31	0.08
T6-100m	12/14/07	1033	0.13	4.0	0.89	12.5	0.00		9.1	255	0.39	12.1	7.8	109	0.11	34.470	25.7	8.16	6.84	0.22
T6-100m	3/11/08	1041	0.12	3.7	0.54	7.6	0.06	0.8	17.1	481	0.24	7.5	6.0	84	0.11	34.723	24.8	8.11	6.56	0.32
T6-100m	6/9/08	1109	0.09	2.8	0.07	1.0	0.16	2.2	14.6	410	0.29	9.1	6.7	93	0.12	34.5697	25.2	8.11	5.75	0.22
<b>Geomean '07-'08</b>			<b>3.7</b>		<b>1.8</b>		<b>1.5</b>				<b>9.6</b>		<b>93</b>		<b>0.12</b>					<b>0.19</b>
T6-100m	9/23/08	1219	0.03	0.8	0.14	2	0.31	4.3	2.2	63	0.35	10.7	5.4	75	0.06	34.787	26.8	8.07	6.05	0.12
T6-100m	12/8/08	1042	0.16	5	0.58	8.1	0.30	4.2	5.3	149	0.35	10.8	5.8	81	0.08	34.690	26.3	8.30	5.63	0.04
T6-100m	2/10/09	1009	0.09	2.8	0.55	7.7	0.18	2.5	5.7	159	0.24	7.4	8.7	122	0.09	34.908	24.8	8.06	5.87	0.04
T6-100m	6/30/09	1102	0.29	9	1.44	20.1	0.63	8.8	13.6	381	0.49	15.1	5.3	75	0.10	34.516	26.7	8.18	6.28	0.16
<b>Geomean '08-'09</b>			<b>3.2</b>		<b>7.1</b>		<b>4.5</b>				<b>10.7</b>		<b>86</b>		<b>0.08</b>					<b>0.07</b>
T6-100m	9/10/09	1108	0.18	5.7	0.60	8.4	0.52	7.3	8.5	239	0.60	18.5	6.7	94	0.09	35.11	27.3	8.19	5.77	0.32
T6-100m	11/24/09	1027	0.02	0.766	0.45	6.3	0.16	2.3	16.4	461	0.31	9.5	5.5	77	0.06	35.13	25.1	8.24	6.59	0.18
T6-100m	2/24/10	1054	0.12	3.7	0.16	2.2	0.38	5.3	2.6	73	0.32	10.0	7.3	103	0.07	34.83	24.6	8.22	5.56	0.27
T6-100m	5/26/10	1016	0.01	0.4	0.13	1.8	0.19	2.7	4.5	128	0.23	7.2	4.6	65	0.06	34.77	25.1	8.28	6.65	0.09
<b>Geomean '09-'10</b>			<b>1.6</b>		<b>3.8</b>		<b>3.9</b>				<b>10.6</b>		<b>83</b>		<b>0.07</b>					<b>0.19</b>
T6-100m	8/11/10	1032	0.08	2.6	1.26	17.7	0.30	4.2	12.1	339	0.29	9.1	2.8	39	0.05	34.68	25.96	8.21	6.46	0.08
T6-100m	11/9/10	1028	0.05	1.5	0.49	6.8	0.11	1.5	4.9	138	0.45	14	5.3	74	0.09	34.84	26.43	8.29	6.28	0.07
T6-100m	1/11/11	1255	0.15	4.7	0.58	8.1	0.21	2.9	6.5	183	0.45	13.8	3.9	55	0.04	34.87	25.09	8.25	6.52	0.13
T6-100m	4/27/11	1027	0.15	4.7	0.26	3.6	0.11	1.5	4.6	129	0.40	12.5	3.8	53	0.08	34.83	24.94	8.22	6.30	0.14
<b>Geomean '10-'11</b>			<b>3.0</b>		<b>7.7</b>		<b>2.3</b>				<b>12.2</b>		<b>54</b>		<b>0.06</b>					<b>0.10</b>

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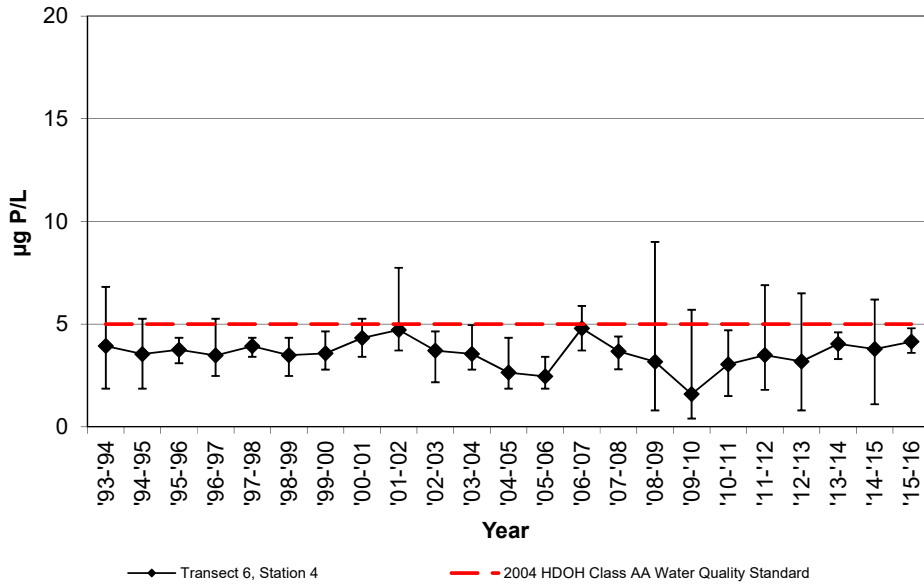
Transect 6, Station 4

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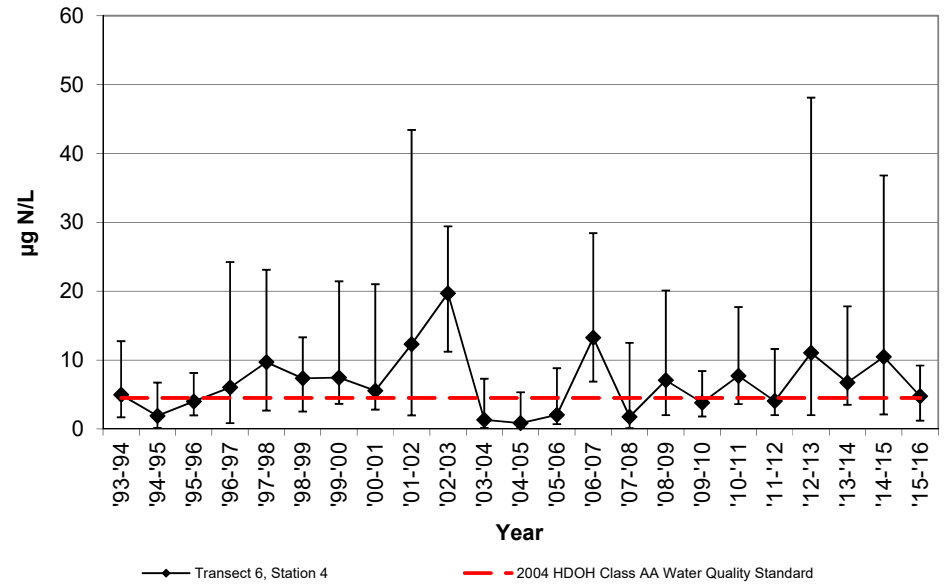
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T6-100m	7/27/11	1114	0.19	6	0.24	3.3	0.06	0.9	2.9	83	0.49	15.1	3.7	53	0.09	34.76	26.21	8.22	6.37	0.13
T6-100m	10/19/11	1056	0.06	1.8	0.25	3.5	0.08	1.1	3.9	109	0.36	11.2	3.7	51	0.07	35.09	26.56	8.25	6.86	0.13
T6-100m	1/26/12	1022	0.06	2	0.14	2	0.11	1.5	3.0	84	0.35	10.8	3.8	54	0.04	34.98	24.48	8.21	6.68	0.13
T6-100m	4/25/12	1035	0.22	6.9	0.83	11.6	0.42	5.9	9.5	266	0.43	13.3	4.3	60	0.07	34.68	24.83	8.20	6.81	0.17
<b>Geomean</b>	<b>'11-'12</b>		<b>3.5</b>		<b>4.0</b>		<b>1.7</b>				<b>12.5</b>		<b>54</b>		<b>0.06</b>					<b>0.14</b>
T6-100m	7/25/12	1045	0.03	0.8	0.14	2	0.33	4.6	2.5	70	0.43	13.3	4.9	68	0.07	35.05	26.43	8.23	6.82	0.26
T6-100m	11/28/12	1039	0.21	6.5	3.43	48.1	0.39	5.5	20.5	577	0.52	16.1	8.0	112	0.03	34.63	25.02	8.20	6.45	0.09
T6-100m	1/24/13	1027	0.12	3.6	0.96	13.4	0.16	2.3	7.4	207	0.46	14.2	6.2	87	0.04	34.91	24.75	8.22	6.43	0.12
T6-100m	4/24/13	951	0.18	5.5	0.82	11.55	0.12	1.65	9.5	266	0.49	15.15	4.8	67	0.03	34.95	24.97	8.21	6.70	0.11
<b>Geomean</b>	<b>'12-'13</b>		<b>3.2</b>		<b>11.0</b>		<b>3.1</b>				<b>14.7</b>		<b>82</b>		<b>0.04</b>					<b>0.13</b>
T6-100m	8/6/13	1111	0.11	3.3	1.27	17.8	0.28	3.9	7.8	218	0.35	10.9	5.6	79	0.02	34.94	26.4	8.21	7.05	0.14
T6-100m	10/30/13	1019	0.15	4.6	0.41	5.8	0.20	2.8	3.4	94	0.51	15.8	6.2	87	0.02	34.89	27.0	8.22	5.94	0.13
T6-100m	2/5/14	1043	0.14	4.4	0.25	3.5	0.35	4.9	2.3	63	0.46	14.1	4.6	65	0.02	35.00	25.2	8.21	6.36	0.13
T6-100m	5/7/14	1039	0.13	4.0	0.41	5.7	0.06	0.9	3.4	96	0.43	13.3	5.4	76	0.13	34.71	25.7	8.18	5.45	0.14
<b>Geomean</b>	<b>'13-'14</b>		<b>4.0</b>		<b>6.7</b>		<b>2.6</b>				<b>13.4</b>		<b>76</b>		<b>0.03</b>					<b>0.13</b>
T6-100m	8/6/14	1033	0.18	5.5	0.15	2.1	0.24	3.3	1.5	41	0.49	15.1	5.4	76	0.05	34.96	26.6	8.22	5.88	0.05
T6-100m	12/4/14	1112	0.18	5.5	1.85	25.9	0.47	6.6	14.3	402	0.61	19.0	8.9	125	0.03	34.74	26.3	8.26	6.47	0.18
T6-100m	3/5/15	1122	0.04	1.1	0.43	6.0	0.40	5.6	2.3	64	0.22	6.8	7.6	106	0.08	34.51	25.4	8.27	6.86	0.15
T6-100m	6/18/15	1047	0.20	6.2	2.63	36.8	0.43	6.0	13.3	373	0.46	14.1	11.4	160	0.07	33.91	26.6	8.19	6.63	0.28
<b>Geomean</b>	<b>'14-'15</b>		<b>3.8</b>		<b>10.5</b>		<b>5.2</b>				<b>12.9</b>		<b>113</b>		<b>0.05</b>					<b>0.14</b>
T6-100m	8/27/15	1045	0.14	4.4	0.09	1.2	0.19	2.7	3.5	99	0.20	6.3	4.5	63	0.03	34.66	28.5	8.28	6.02	0.35
T6-100m	11/18/15	1120	0.15	4.8	0.66	9.2	0.23	3.2	4.7	132	0.50	15.6	5.8	82	0.07	34.64	27.5	8.29	6.51	0.22
T6-100m	3/2/16	958	0.13	3.9	0.37	5.2	0.34	4.7	1.0	27	0.47	14.6	7.5	105	0.10	34.73	25.3	8.25	5.84	0.14
T6-100m	5/4/16	1058	0.12	3.6	0.64	8.9	0.29	4.0	6.4	181	0.28	8.7	5.3	75	0.09	34.50	25.8	8.19	6.01	0.24
<b>Geomean</b>	<b>'15-'16</b>		<b>4.1</b>		<b>4.8</b>		<b>3.6</b>				<b>10.6</b>		<b>80</b>		<b>0.07</b>					<b>0.23</b>

NELHA Water Quality Laboratory  
 Transect 6, Station 4  
 July 1993 - June 2015

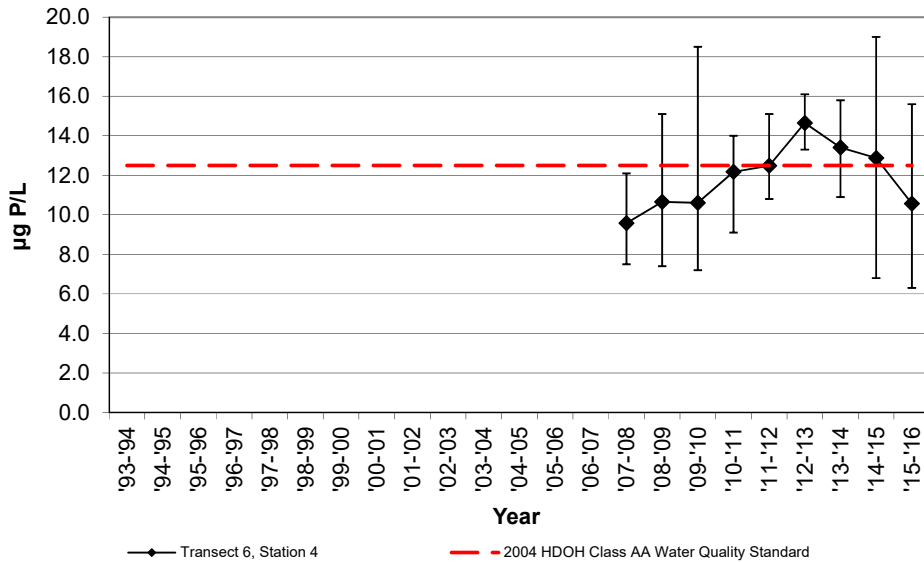
NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of Ortho-Phosphate



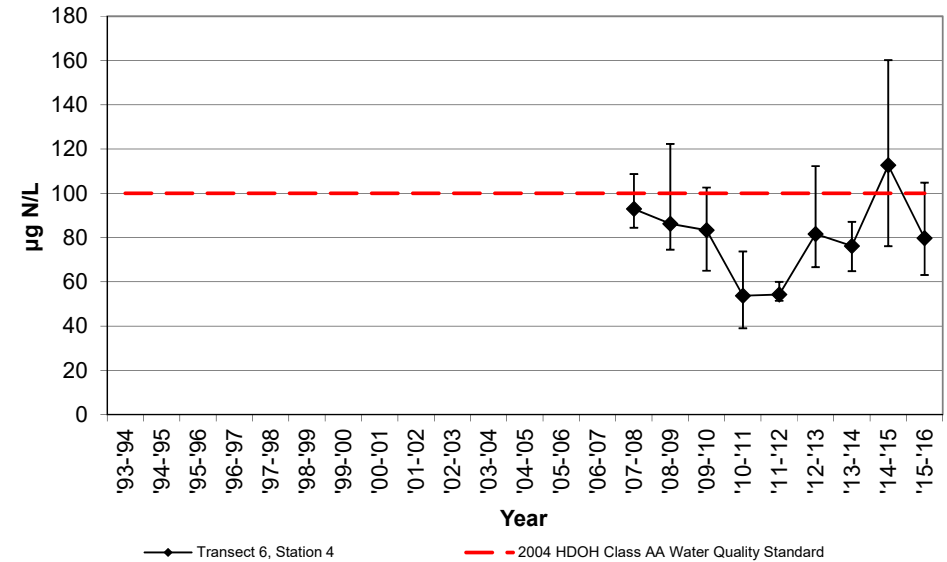
NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of Nitrate + Nitrite



NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous

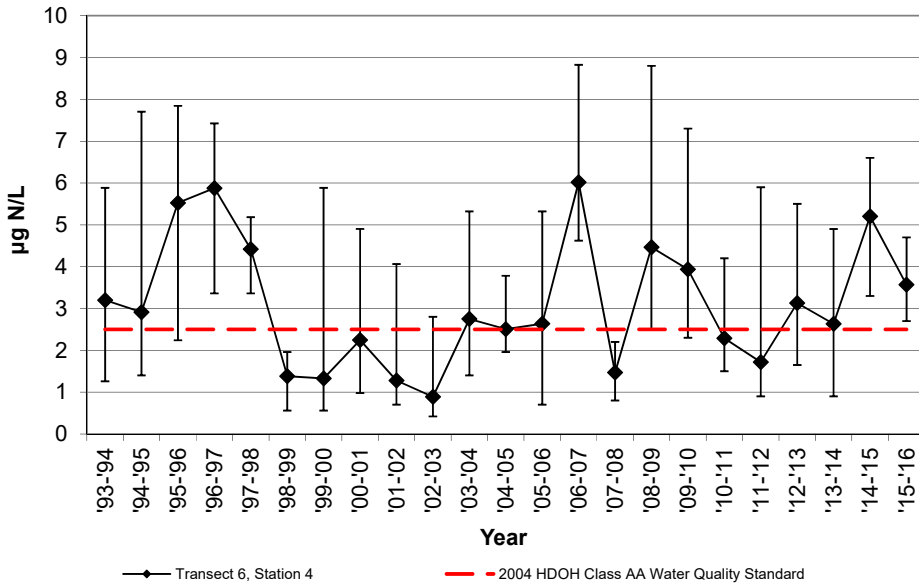


NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen

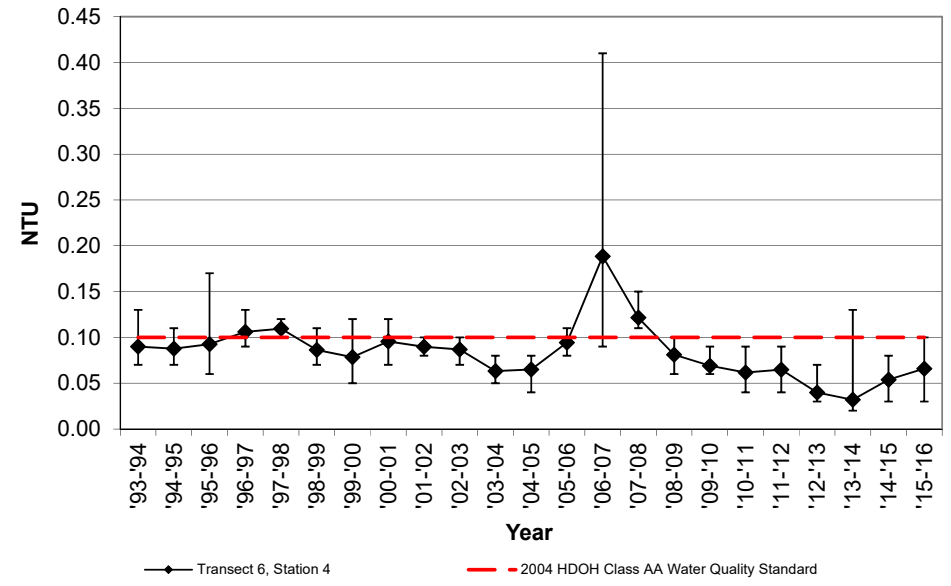


NELHA Water Quality Laboratory  
 Transect 6, Station 4  
 July 1993 - June 2015

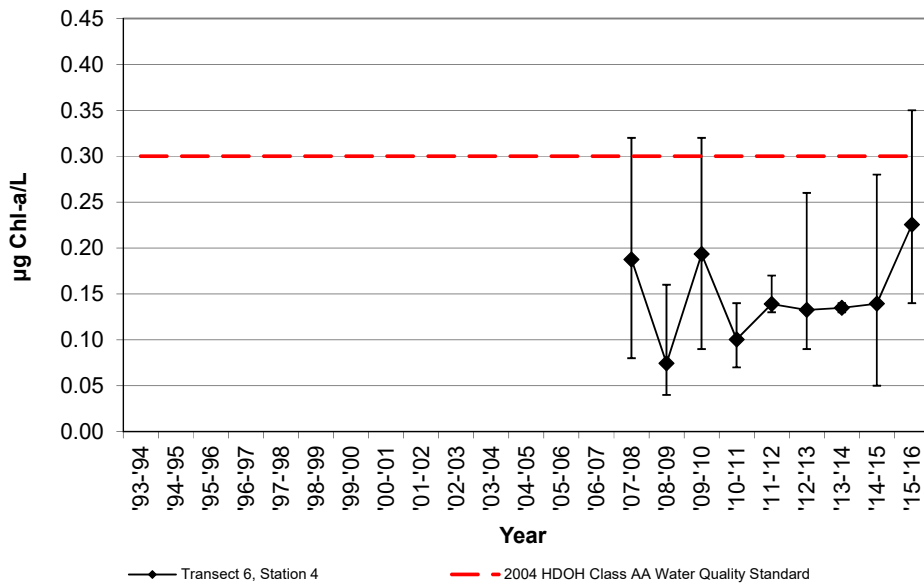
NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 6, Station 4  
 Yearly Geometric Mean of Chlorophyll-a



**NELHA Water Quality Laboratory**

*Transect 6, Station 5*

*July 1993 - June 2015*

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-5S-69m	7/26/93	1119	0.08	2.5	0.14	2.0	0.39	5.5	2.1	60					0.08	34.431	26.9			
O6-5S-69m	12/6/93	907	0.06	1.9	0.51	7.1	0.06	0.8	3.9	109					0.08	34.772	25.7			
O6-5S-69m	3/7/94	840	0.22	6.8	0.84	11.8	0.18	2.5	10.6	298					0.08	33.989	24.9			
O6-5S-69m	6/15/94	853	0.20	6.2	0.21	2.9	0.12	1.7	4.1	116					0.10	34.476	25.6			
<b>Geomean '93-'94</b>			<b>3.7</b>		<b>4.7</b>		<b>2.1</b>								<b>0.08</b>					
O6-5S-69m	9/9/94	842	0.07	2.2	0.03	0.4	0.04	0.6	2.6	72					0.09	34.598	27.6			
O6-5S-69m	11/14/94	755	0.15	4.6	0.61	8.5	0.55	7.7	8.3	232					0.09	34.473	26.0			
O6-5S-69m	3/22/95	814	0.17	5.3	0.24	3.4	0.34	4.8	4.8	135					0.11	34.152	25.0			
O6-5S-69m	6/20/95	815	0.14	4.3	0.40	5.6	0.09	1.3	5.4	151					0.06	34.342	26.2			
<b>Geomean '94-'95</b>			<b>3.9</b>		<b>2.9</b>		<b>2.3</b>								<b>0.09</b>					
O6-5S-69m	9/26/95	1002	0.12	3.7	0.40	5.6	0.47	6.6	9.6	269					0.11	34.363	27.0			
O6-5S-69m	11/14/95	1054	0.12	3.7	0.37	5.2	0.60	8.4	5.3	148					0.12	34.233	26.8			
O6-5S-69m	3/12/96	1115	0.18	5.6	0.21	2.9	0.58	8.1	4.0	113					0.06	34.129	25.5			
O6-5S-69m	5/14/96	1113	0.09	2.8	0.02	0.3	0.11	1.5	2.3	65					0.05	34.317	27.5			
<b>Geomean '95-'96</b>			<b>3.8</b>		<b>2.2</b>		<b>5.1</b>								<b>0.08</b>					
O6-5S-69m	7/31/96	1148	0.14	4.3	1.83	25.6	0.55	7.7	24.9	698					0.12	33.672	27.7			
O6-5S-69m	10/2/96	1115	0.09	2.8	0.72	10.1	0.50	7.0	11.1	313					0.15	34.317	28.4			
O6-5S-69m	1/7/97	1120	0.09	2.8	0.55	7.7	0.25	3.5	7.5	210					0.11	34.547	25.6			
O6-5S-69m	4/28/97	1136	0.17	5.3	0.59	8.3	0.55	7.7	8.8	248					0.09	34.222	26.6			
<b>Geomean '96-'97</b>			<b>3.6</b>		<b>11.3</b>		<b>6.2</b>								<b>0.12</b>					
O6-5S-69m	8/19/97	1117	0.12	3.7	0.63	8.8	0.24	3.4	11.0	308					0.11	34.358	27.0			
O6-5S-69m	10/7/97	1016	0.10	3.1	0.11	1.5	0.37	5.2	4.4	125					0.13	34.709	27.6			
O6-5S-69m	3/4/98	1149	0.10	3.1	0.47	6.6	0.24	3.4	8.0	226					0.14	34.849	25.2			
O6-5S-69m	5/5/98	1141	0.14	4.3	1.47	20.6	0.31	4.3	16.6	466					0.08	34.647	24.5			
<b>Geomean '97-'98</b>			<b>3.5</b>		<b>6.6</b>		<b>4.0</b>								<b>0.11</b>					
O6-5S-69m	7/7/98	1154	0.14	4.3	1.00	14.0	0.07	1.0	13.8	388					0.12	34.664	26.2			
O6-5S-69m	10/6/98	1106	0.13	4.0	0.02	0.3	0.13	1.8	13.6	381					0.09	34.838	27.3			
O6-5S-69m	1/19/99	1148	0.09	2.8	0.67	9.4	0.08	1.1	10.2	285					0.13	34.894	25.0			
O6-5S-69m	4/12/99	1145	0.12	3.7	0.20	2.8	0.14	2.0	6.1	172					0.09	34.614	24.2			
<b>Geomean '98-'99</b>			<b>3.7</b>		<b>3.2</b>		<b>1.4</b>								<b>0.11</b>					
O6-5S-69m	7/6/99	1213	0.09	2.8	0.26	3.6	0.08	1.1	5.0	139					0.08	34.854	25.8			
O6-5S-69m	10/4/99	1234	0.10	3.1	0.28	3.9	0.06	0.8	4.1	115					0.11	34.921	26.4			
O6-5S-69m	1/12/00	1140	0.14	4.3	0.96	13.4	0.40	5.6	13.9	389					0.07	34.680	24.9			
O6-5S-69m	4/11/00	1042	0.10	3.1	0.22	3.1	0.06	0.8	6.5	184					0.07	34.726	24.6			
<b>Geomean '99-'00</b>			<b>3.3</b>		<b>4.9</b>		<b>1.5</b>								<b>0.08</b>					
O6-5S-69m	7/25/00	1205	0.10	3.1	0.17	2.4	0.05	0.7	5.0	140					0.07	34.789	26.7			
O6-5S-69m	10/31/00	1148	0.12	3.7	0.54	7.6	0.30	4.2	12.9	362					0.12	34.701	27.0			
O6-5S-69m	3/6/01	1134	0.15	4.6	0.18	2.5	0.10	1.4	4.2	117					0.07	34.684	24.8			
O6-5S-69m	5/7/01	1236	0.20	6.2	1.94	27.2	0.35	4.9	30.1	845					0.09	34.257	24.8			
<b>Geomean '00-'01</b>			<b>4.3</b>		<b>5.9</b>		<b>2.1</b>								<b>0.09</b>					
O6-5S-69m	8/14/01	1038	0.12	3.7	0.10	1.4	0.25	3.5	3.0	85					0.14	34.852	26.8			
O6-5S-69m	10/30/01	1050	0.14	4.3	0.70	9.8	0.03	0.4	8.1	227					0.08	34.801	26.8			
O6-5S-69m	3/6/02	1057	0.21	6.5	3.43	48.0	0.08	1.1	17.1	480					0.13	34.231	24.3			
O6-5S-69m	4/15/02	1111	0.16	5.0	2.64	37.0	0.04	0.6	18.8	529					0.08	34.516	25.6			
<b>Geomean '01-'02</b>			<b>4.8</b>		<b>12.5</b>		<b>1.0</b>								<b>0.10</b>					

**NELHA Water Quality Laboratory**

*Transect 6, Station 5*

*July 1993 - June 2015*

SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
O6-5S-69m	7/10/02	1101	0.06	1.9	1.74	24.4	0.20	2.8	12.2	342					0.07	34.379	26.2			
O6-5S-69m	10/8/02	1056	0.10	3.1	1.01	14.1	0.09	1.3	6.9	194					0.11	34.774	27.0			
O6-5S-69m	3/12/03	953	0.14	4.3	0.84	11.8	0.03	0.4	10.6	298					0.09	34.480	25.0			
O6-5S-69m	4/23/03	1105	0.14	4.3	1.40	19.6	0.03	0.4	13.9	391					0.10	34.578	24.9			
<b>Geomean</b>	<b>'02-'03</b>		<b>3.2</b>		<b>16.8</b>		<b>0.9</b>								<b>0.09</b>					
O6-5S-69m	8/21/03	1030	0.09	2.8	0.04	0.6	0.10	1.4	4.3	122					0.07	34.748	28.3			
O6-5S-69m	11/3/03	1000	0.10	3.1	0.01	0.1	0.14	2.0	2.5	71					0.08	34.651	26.8			
O6-5S-69m	3/18/04	1027	0.19	5.9	1.82	25.5	0.37	5.2	17.3	485					n/a	34.859	25.8			
O6-5S-69m	5/24/04	1043	0.15	4.6	0.42	5.9	0.23	3.2	5.8	163					n/a	33.31	26.8			
<b>Geomean</b>	<b>'03-'04</b>		<b>3.9</b>		<b>1.9</b>		<b>2.6</b>								<b>0.07</b>					
O6-5S-69m	9/22/04	1119	0.07	2.2	0.07	1.0	0.31	4.3	5.1	144					0.05	33.69	27.7			
O6-5S-69m	11/29/04	1026	0.09	2.8	0.34	4.8	0.17	2.4	4.6	129					0.05	33.63	27.0			
O6-5S-69m	1/24/05	1102	0.05	1.5	0.01	0.1	0.16	2.2	2.4	67					0.08	34.834	25.7			
O6-5S-69m	4/13/05	1108	0.14	4.3	0.34	4.8	0.16	2.2	8.6	242					0.07	34.333	25.0			
<b>Geomean</b>	<b>'04-'05</b>		<b>2.5</b>		<b>1.3</b>		<b>2.7</b>								<b>0.06</b>					
O6-5S-69m	7/21/05	1041	0.06	1.9	0.26	3.6	0.39	5.5	6.0	169					0.08	34.364	27.4			
O6-5S-69m	10/13/05	1015	0.06	1.9	0.14	2.0	0.20	2.8	3.6	101					0.11	34.817	27.5			
O6-5S-69m	3/15/06	939	0.12	3.7	0.64	9.0	0.40	5.6	8.6	242					0.09	34.659	24.5			
O6-5S-69m	5/17/06	1023	0.09	2.8	0.07	1.0	0.17	2.4	3.0	84					0.07	34.662	24.7			
<b>Geomean</b>	<b>'05-'06</b>		<b>2.4</b>		<b>2.8</b>		<b>3.8</b>								<b>0.09</b>					
O6-5S-69m	8/16/06	1028	0.13	4.0	0.50	7.0	0.37	5.2	4.4	123					0.14	34.580	26.8			
O6-5S-69m	11/20/06	1023	0.14	4.3	0.65	9.1	0.52	7.3	6.8	192					0.12	34.660	26.7			
O6-5S-69m	2/12/07	1122	0.13	4.0	0.30	4.2	0.38	5.3	2.1	60					0.33	34.407	24.8			
O6-5S-69m	4/16/07	1105	0.16	5.0	1.03	14.4	0.41	5.7	12.9	362					0.13	34.021	26.5			
<b>Geomean</b>	<b>'06-'07</b>		<b>4.3</b>		<b>7.9</b>		<b>5.8</b>								<b>0.16</b>					
T6-500m	9/27/07	945	0.14	4.4	0.01	0.1	0.13	1.8	5.4	151	0.35	10.8	7.8	110	0.15	34.905	26.7	8.08	6.28	0.06
T6-500m	12/14/07	1038	0.09	2.9	0.01	0.1	0.00		2.0	55	0.35	10.8	6.2	87	0.08	34.727	25.7	8.16	6.52	0.12
T6-500m	3/11/08	1048	0.07	2.3	0.05	0.7	0.06	0.8	3.4	97	0.18	5.5	6.5	91	0.19	34.909	24.8	8.12	6.62	0.23
T6-500m	6/9/08	1114	0.05	1.6	0.05	0.7	0.16	2.2	14.8	416	0.23	7.2	8.9	124	0.09	34.7104	25.8	8.11	5.58	0.33
<b>Geomean</b>	<b>'07-'08</b>		<b>2.6</b>		<b>0.3</b>		<b>1.5</b>					<b>8.2</b>		<b>102</b>		<b>0.12</b>				
T6-500m	9/23/08	1219	0.11	3.4	0.04	0.6	0.28	3.9	2.3	66	0.47	14.6	4.5	63	0.06	34.802	26.8	8.07	5.75	0.15
T6-500m	12/8/08	1042	0.16	5.1	0.40	5.6	0.33	4.6	4.2	119	0.34	10.6	5.6	78	0.07	34.889	26.4	8.29	5.59	0.02
T6-500m	2/10/09	1009	0.06	2	0.10	1.4	0.18	2.5	1.3	37	0.48	14.9	7.9	110	0.06	35.107	24.7	8.06	5.97	0.03
T6-500m	6/30/09	1102	0.27	8.3	0.45	6.3	0.12	1.7	6.2	173	0.49	15.3	4.8	67	0.14	34.917	27.0	8.20	5.92	0.09
<b>Geomean</b>	<b>'08-'09</b>		<b>4.1</b>		<b>2.3</b>		<b>3.0</b>					<b>13.7</b>		<b>78</b>		<b>0.08</b>				<b>0.05</b>
T6-500m	9/10/09	1123	0.17	5.3	0.09	1.3	0.56	7.8	5.0	139	0.54	16.8	5.3	74	0.06	35.21	27.4	8.18	5.22	0.32
T6-500m	11/24/09	1035	0.02	0.766	0.02	0.3	0.12	1.7	4.8	136	0.34	10.4	4.7	65	0.03	35.27	25.2	8.25	6.38	0.12
T6-500m	2/24/10	1104	0.11	3.3	0.03	0.4	0.40	5.6	2.2	62	0.43	13.2	6.9	97	0.11	34.68	24.6	8.20	5.44	0.24
T6-500m	5/26/10	1025	0.01	0.2	0.04	0.5	0.15	2.1	2.5	70	0.19	6	4.2	60	0.05	34.85	25.1	8.27	6.71	0.09
<b>Geomean</b>	<b>'09-'10</b>		<b>1.3</b>		<b>0.5</b>		<b>3.5</b>					<b>10.8</b>		<b>73</b>		<b>0.06</b>				<b>0.17</b>
T6-500m	8/11/10	1042	0.02	0.6	0.16	2.2	0.07	1	2.7	75	0.30	9.4	2.7	38	0.04	34.99	26.10	8.22	6.55	0.15
T6-500m	11/9/10	1037	0.03	0.8	0.13	1.8	0.15	2.1	2.5	71	0.38	11.9	4.1	57	0.08	34.94	26.50	8.29	6.13	0.03
T6-500m	1/11/11	1302	0.11	3.4	0.01	0.2	0.09	1.3	4.1	114	0.42	13.1	3.0	43	0.08	35.03	25.13	8.25	6.39	0.05
T6-500m	4/27/11	1034	0.14	4.4	0.12	1.7	0.06	0.8	6.1	171	0.41	12.7	4.0	56	0.11	34.87	24.89	8.22	6.22	0.20
<b>Geomean</b>	<b>'10-'11</b>		<b>1.6</b>		<b>1.1</b>		<b>1.2</b>					<b>11.7</b>		<b>48</b>		<b>0.07</b>				<b>0.08</b>

NELHA Water Quality Laboratory

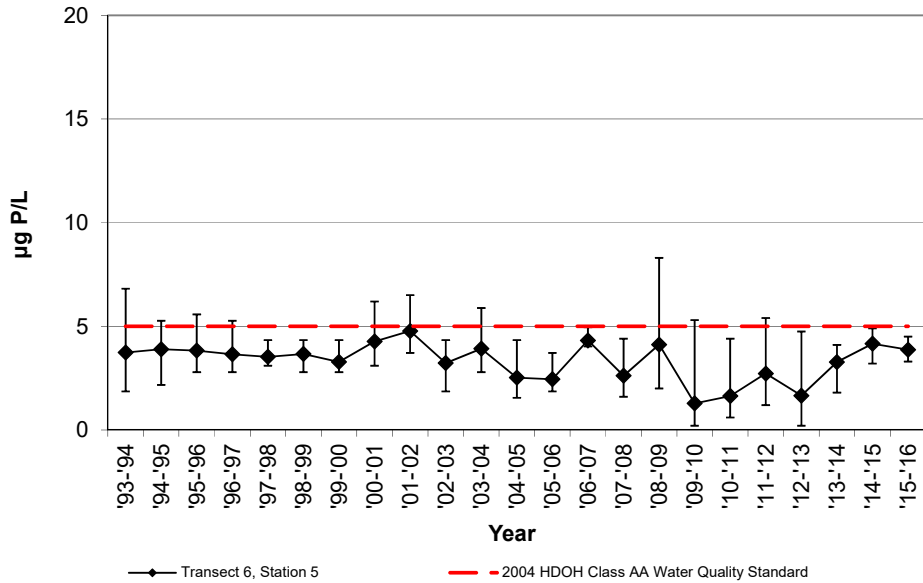
Transect 6, Station 5

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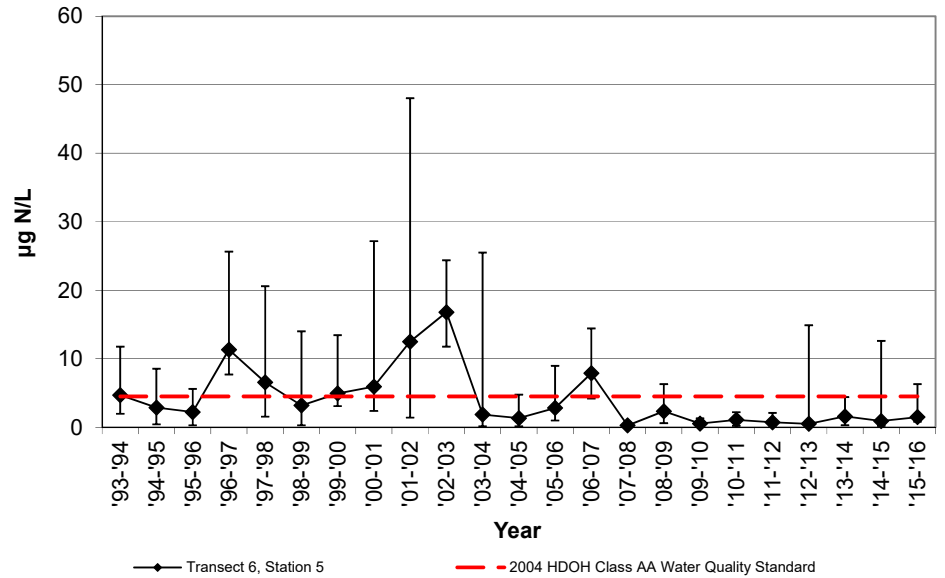
SITE ID	DATE M/D/Y	TIME (2400)	PO <sub>4</sub> <sup>3-</sup>		NO <sub>3</sub> <sup>-</sup> & NO <sub>2</sub> <sup>-</sup>		NH <sub>4</sub> <sup>+</sup> & NH <sub>3</sub>		Si		TDP		TDN		Turbidity (NTU)	Salinity (o/oo)	Temp. (°C)	pH	DO (ppm)	Chl a (µg/L)
			(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)						
<b>DOH LIMIT</b>			<b>5</b>		<b>4.5</b>		<b>2.5</b>				<b>12.5</b>		<b>100</b>		<b>0.10</b>					<b>0.30</b>
T6-500m	7/27/11	1120	0.17	5.3	0.02	0.23	0.05	0.7	0.2	5	0.46	14.2	2.9	41	0.03	34.86	26.31	8.23	6.36	0.09
T6-500m	10/19/11	1104	0.04	1.2	0.06	0.9	0.05	0.7	2.9	82	0.39	12	3.5	49	0.05	35.09	26.71	8.26	6.98	0.15
T6-500m	1/26/12	1030	0.05	1.6	0.04	0.6	0.06	0.8	1.1	31	0.35	10.9	3.2	45	0.09	35.06	24.49	8.22	6.66	0.15
T6-500m	4/25/12	1042	0.17	5.4	0.15	2.1	0.36	5.1	3.2	89	0.44	13.6	3.8	54	0.10	34.91	24.88	8.19	6.69	0.04
<b>Geomean</b>	<b>'11-'12</b>		<b>2.7</b>		<b>0.7</b>		<b>1.2</b>				<b>12.6</b>		<b>47</b>		<b>0.06</b>					<b>0.09</b>
T6-500m	7/25/12	1049	0.01	0.2	0.03	0.4	0.34	4.7	1.5	41	0.35	10.9	3.1	43	0.06	35.11	26.50	8.24	7.21	0.16
T6-500m	11/28/12	1041	0.12	3.6	1.06	14.9	0.31	4.4	7.4	209	0.55	16.9	4.8	67	0.03	34.96	25.23	8.20	6.59	0.15
T6-500m	1/24/13	1035	0.07	2.2	0.01	0.1	0.04	0.6	1.1	30	0.43	13.3	3.8	53	0.05	35.13	24.87	8.23	6.30	0.05
T6-500m	4/24/13	1000	0.15	4.75	0.01	0.1	0.13	1.85	3.2	89	0.55	17.15	3.6	51	0.03	35.15	25.17	8.22	6.80	0.05
<b>Geomean</b>	<b>'12-'13</b>		<b>1.7</b>		<b>0.5</b>		<b>2.2</b>				<b>14.3</b>		<b>53</b>		<b>0.04</b>					<b>0.09</b>
T6-500m	8/6/13	1118	0.06	1.8	0.02	0.3	0.16	2.3	2.1	59	0.33	10.2	4.4	62	0.02	35.24	26.8	8.20	6.85	0.10
T6-500m	10/30/13	1027	0.13	4.1	0.17	2.4	0.06	0.8	2.0	57	0.53	16.4	5.3	75	0.02	34.90	27.1	8.22	5.84	0.11
T6-500m	2/5/14	1051	0.13	4.0	0.14	2.0	0.21	3.0	2.4	68	0.46	14.3	3.7	52	0.02	34.94	25.2	8.21	6.27	0.20
T6-500m	5/7/14	1049	0.13	3.9	0.31	4.4	0.11	1.5	2.8	78	0.45	13.9	5.4	75	0.06	34.75	25.8	8.20	5.36	0.15
<b>Geomean</b>	<b>'13-'14</b>		<b>3.3</b>		<b>1.6</b>		<b>1.7</b>				<b>13.5</b>		<b>65</b>		<b>0.03</b>					<b>0.13</b>
T6-500m	8/6/14	1040	0.16	4.9	0.01	0.2	0.24	3.4	0.6	16	0.48	14.9	3.6	51	0.07	34.98	27.1	8.22	5.97	0.08
T6-500m	12/4/14	1120	0.14	4.6	0.06	12.6	0.18	7.8	2.7	155	0.19	15.3	4.7	73	0.06	35.10	26.3	8.26	6.15	0.20
T6-500m	3/5/15	1137					0.17	2.4							0.10	34.70	25.5	8.29	6.60	0.11
T6-500m	6/18/15	1058	0.10	3.2	0.02	0.3	0.29	4.0	1.5	42	0.35	10.7	6.4	90	0.06	34.48	27.1	8.21	6.50	0.14
<b>Geomean</b>	<b>'14-'15</b>		<b>4.2</b>		<b>0.9</b>		<b>4.0</b>				<b>13.5</b>		<b>69</b>		<b>0.07</b>					<b>0.13</b>
T6-500m	8/27/15	1054	0.14	4.2	0.06	0.8	0.18	2.5	2.7	77	0.19	5.9	4.7	67	0.03	34.69	28.6	8.28	5.99	0.03
T6-500m	11/18/15	1128	0.15	4.5	0.45	6.3	0.16	2.3	3.6	102	0.54	16.8	7.3	103	0.06	34.58	27.4	8.30	6.68	0.10
T6-500m	3/2/16	1005	0.11	3.3	0.06	0.8	0.39	5.5	1.1	31.2	0.46	14.4	6.1	84.9	0.08	34.81	25.4	8.26	5.71	0.09
T6-500m	5/4/16	1106	0.12	3.6	0.09	1.2	0.21	3.0	1.5	42	0.27	8.4	4.1	58	0.08	34.69	26.0	8.19	6.01	0.28
<b>Geomean</b>	<b>'15-'16</b>		<b>3.9</b>		<b>1.5</b>		<b>3.1</b>				<b>10.5</b>		<b>76</b>		<b>0.06</b>					<b>0.09</b>

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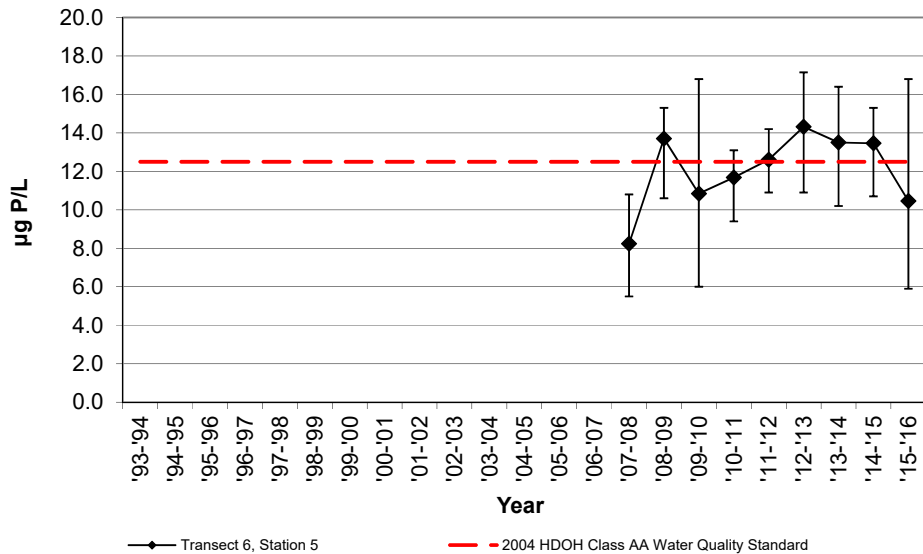
**NELHA Offshore Transect 6, Station 5**  
 Yearly Geometric Mean of Ortho-Phosphate



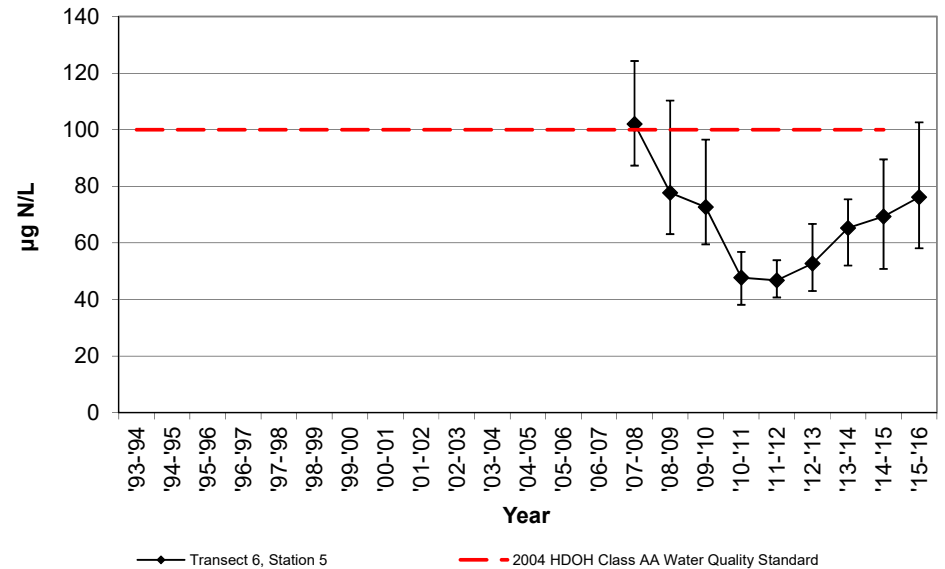
**NELHA Offshore Transect 6, Station 5**  
 Yearly Geometric Mean of Nitrate + Nitrite



**NELHA Offshore Transect 6, Station 5**  
 Yearly Geometric Mean of  
 Total Dissolved Phosphorous



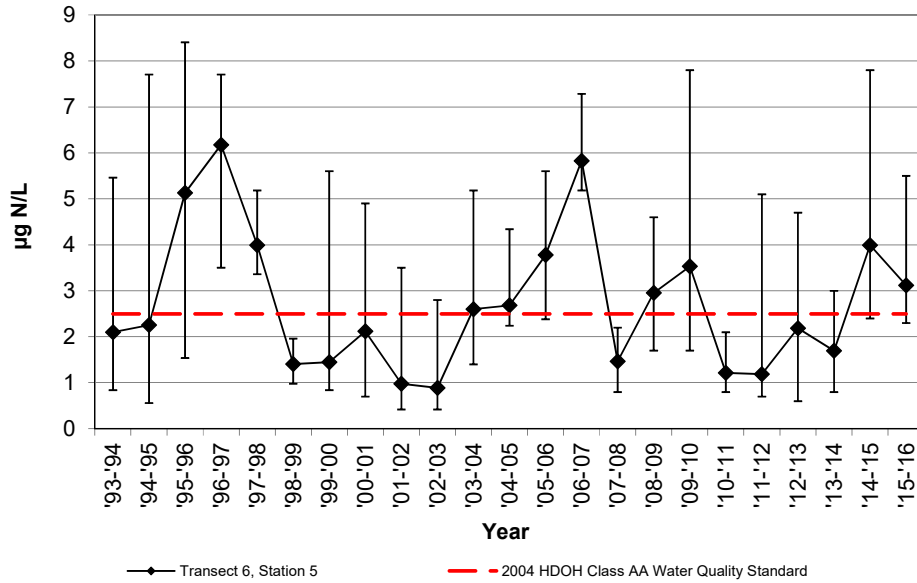
**NELHA Offshore Transect 6, Station 5**  
 Yearly Geometric Mean of  
 Total Dissolved Nitrogen



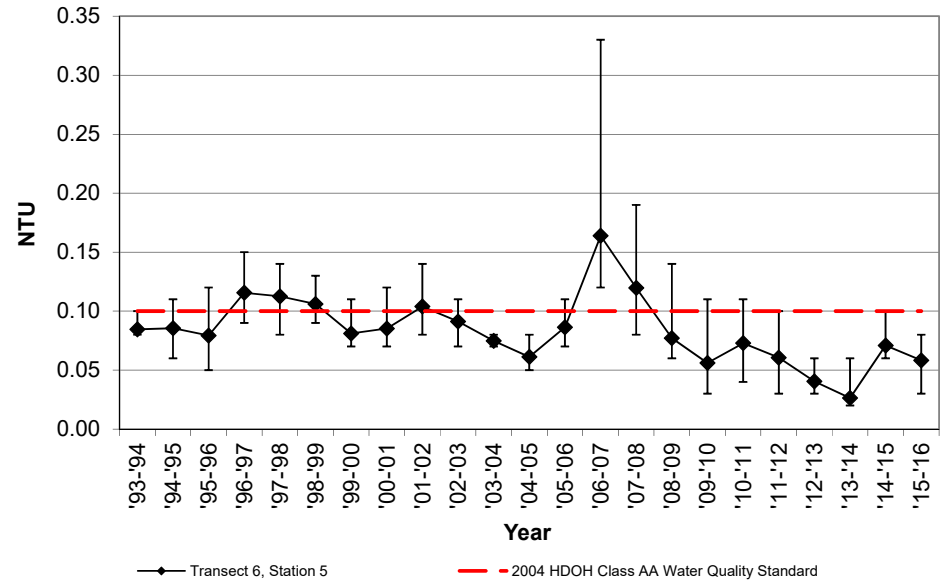


NELHA Water Quality Laboratory  
 Transect 6, Station 5  
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NELHA Offshore Transect 6, Station 5  
 Yearly Geometric Mean of Total Ammonia



NELHA Offshore Transect 6, Station 5  
 Yearly Geometric Mean of Turbidity



NELHA Offshore Transect 6, Station 5  
 Yearly Geometric Mean of Chlorophyll-a

