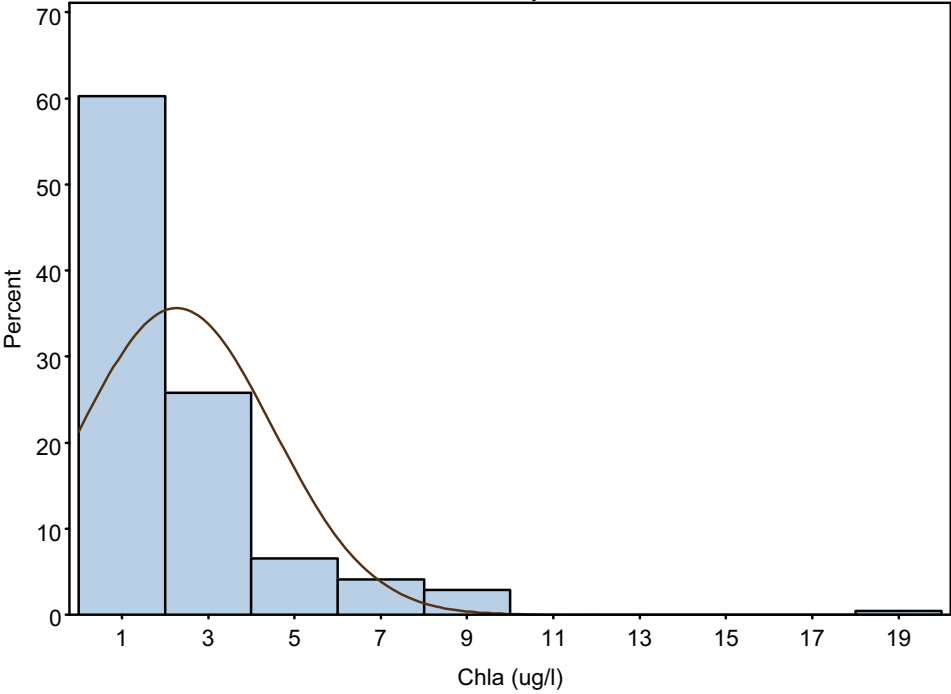


Appendix L - Descriptive Statistics for Estuarine Water Quality

Strata=W1 Station=St Joseph Sound - Random



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Moments			
N	244	Sum Weights	244
Mean	2.27172131	Sum Observations	554.3
Std Deviation	2.23917136	Variance	5.01388838
Skewness	2.94707639	Kurtosis	13.7012376
Uncorrected SS	2477.59	Corrected SS	1218.37488
Coeff Variation	98.567168	Std Error Mean	0.14334826

Basic Statistical Measures			
Location		Variability	
Mean	2.271721	Std Deviation	2.23917
Median	1.400000	Variance	5.01389
Mode	0.900000	Range	18.40000
		Interquartile Range	1.90000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	15.84757	Pr > t <.0001
Sign	M	122	Pr >= M <.0001
Signed Rank	S	14945	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W1 Station=St Joseph Sound - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.271721
Std Dev	Sigma	2.239171

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2144021	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.4497695	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	19.1768915	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.50000	-2.93737
5.0	0.50000	-1.41139
10.0	0.60000	-0.59789
25.0	0.90000	0.76142
50.0	1.40000	2.27172
75.0	2.80000	3.78202
90.0	5.20000	5.14133
95.0	6.80000	5.95483
99.0	9.80000	7.48081

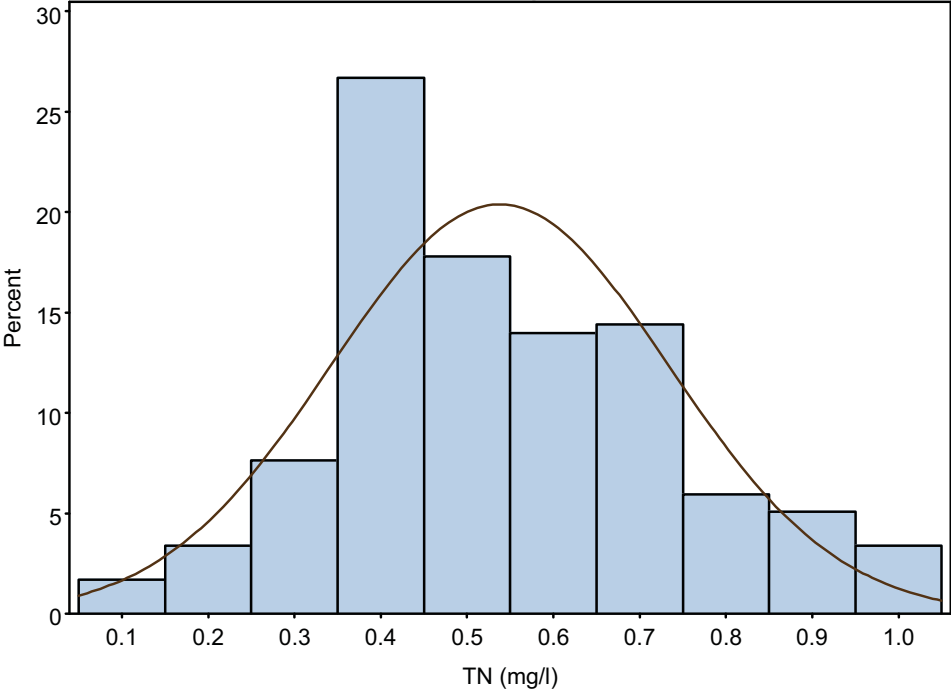
The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W1 Station=St Joseph Sound - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	18.9
99%	9.8
95%	6.8
90%	5.2
75% Q3	2.8
50% Median	1.4
25% Q1	0.9
10%	0.6
5%	0.5
1%	0.5
0% Min	0.5

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.5	651	9.5	139
0.5	649	9.8	113
0.5	613	9.8	120
0.5	545	9.8	171
0.5	537	18.9	238

Strata=W1 Station=St Joseph Sound - Random



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W1 Station=St Joseph Sound - Random

Moments			
N	236	Sum Weights	236
Mean	0.53786017	Sum Observations	126.935
Std Deviation	0.19568223	Variance	0.03829153
Skewness	0.43592788	Kurtosis	-0.208118
Uncorrected SS	77.271791	Corrected SS	8.99851039
Coeff Variation	36.3816168	Std Error Mean	0.01273783

Basic Statistical Measures			
Location		Variability	
Mean	0.537860	Std Deviation	0.19568
Median	0.490000	Variance	0.03829
Mode	0.420000	Range	0.90000
		Interquartile Range	0.25500

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	42.22542	Pr > t <.0001
Sign	M	118	Pr >= M <.0001
Signed Rank	S	13983	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W1 Station=St Joseph Sound - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.53786
Std Dev	Sigma	0.195682

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.11060592	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.48257134	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	2.58233981	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.13000	0.08264
5.0	0.22000	0.21599
10.0	0.32000	0.28708
25.0	0.41000	0.40587
50.0	0.49000	0.53786
75.0	0.66500	0.66985
90.0	0.81000	0.78864
95.0	0.94000	0.85973
99.0	1.00000	0.99309

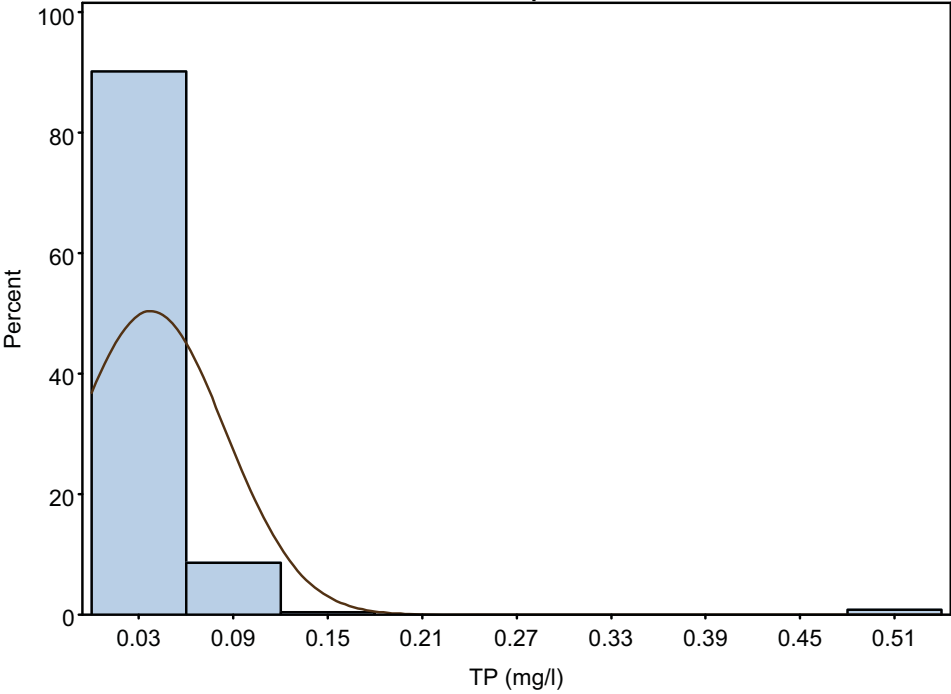
The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W1 Station=St Joseph Sound - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.020
99%	1.000
95%	0.940
90%	0.810
75% Q3	0.665
50% Median	0.490
25% Q1	0.410
10%	0.320
5%	0.220
1%	0.130
0% Min	0.120

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.12	67	0.984	113
0.12	61	1.000	35
0.13	25	1.000	119
0.14	508	1.020	101
0.16	462	1.020	342

Strata=W1 Station=St Joseph Sound - Random



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W1 Station=St Joseph Sound - Random

Moments			
N	244	Sum Weights	244
Mean	0.03754098	Sum Observations	9.16
Std Deviation	0.04746775	Variance	0.00225319
Skewness	8.57210096	Kurtosis	84.0908072
Uncorrected SS	0.8914	Corrected SS	0.54752459
Coeff Variation	126.442487	Std Error Mean	0.00303881

Basic Statistical Measures			
Location		Variability	
Mean	0.037541	Std Deviation	0.04747
Median	0.030000	Variance	0.00225
Mode	0.020000	Range	0.52000
		Interquartile Range	0.02500

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	12.35384	Pr > t <.0001
Sign	M	122	Pr >= M <.0001
Signed Rank	S	14945	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W1 Station=St Joseph Sound - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.037541
Std Dev	Sigma	0.047468

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.3230777	Pr > D <0.010
Cramer-von Mises	W-Sq	7.6266506	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	40.6764497	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.01000	-0.07289
5.0	0.02000	-0.04054
10.0	0.02000	-0.02329
25.0	0.02000	0.00552
50.0	0.03000	0.03754
75.0	0.04500	0.06956
90.0	0.05000	0.09837
95.0	0.08000	0.11562
99.0	0.16000	0.14797

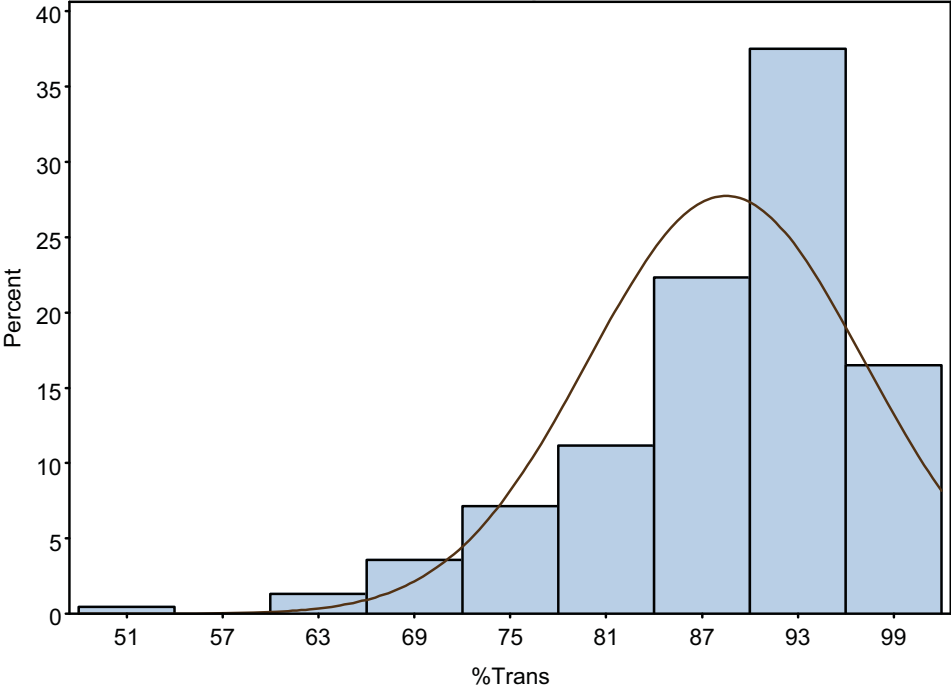
The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W1 Station=St Joseph Sound - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.530
99%	0.160
95%	0.080
90%	0.050
75% Q3	0.045
50% Median	0.030
25% Q1	0.020
10%	0.020
5%	0.020
1%	0.010
0% Min	0.010

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.01	286	0.10	475
0.01	248	0.10	514
0.01	228	0.16	158
0.01	178	0.50	490
0.01	159	0.53	130

Strata=W1 Station=St Joseph Sound - Random



The UNIVARIATE Procedure

Variable: Transmissivity (%Trans)

Strata=W1 Station=St Joseph Sound - Random

Moments			
N	224	Sum Weights	224
Mean	88.5041964	Sum Observations	19824.94
Std Deviation	8.62970791	Variance	74.4718585
Skewness	-1.340949	Kurtosis	1.9763822
Uncorrected SS	1771197.61	Corrected SS	16607.2245
Coeff Variation	9.75062003	Std Error Mean	0.57659661

Basic Statistical Measures

Location		Variability	
Mean	88.50420	Std Deviation	8.62971
Median	91.39500	Variance	74.47186
Mode	97.04000	Range	50.89000
		Interquartile Range	10.24000

Tests for Location: Mu0=0

Test	Statistic		p Value	
Student's t	t	153.4941	Pr > t	<.0001
Sign	M	112	Pr >= M	<.0001
Signed Rank	S	12600	Pr >= S	<.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for Transmissivity

Strata=W1 Station=St Joseph Sound - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	88.5042
Std Dev	Sigma	8.629708

Goodness-of-Fit Tests for Normal Distribution

Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14194615	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.33804890	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.84970112	Pr > A-Sq	<0.005

Quantiles for Normal Distribution

Percent	Quantile	
	Observed	Estimated
1.0	65.6100	68.4285
5.0	71.7700	74.3096
10.0	75.9100	77.4448
25.0	84.7500	82.6835
50.0	91.3950	88.5042
75.0	94.9900	94.3248
90.0	96.8400	99.5636
95.0	97.5800	102.6988
99.0	99.3000	108.5799

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

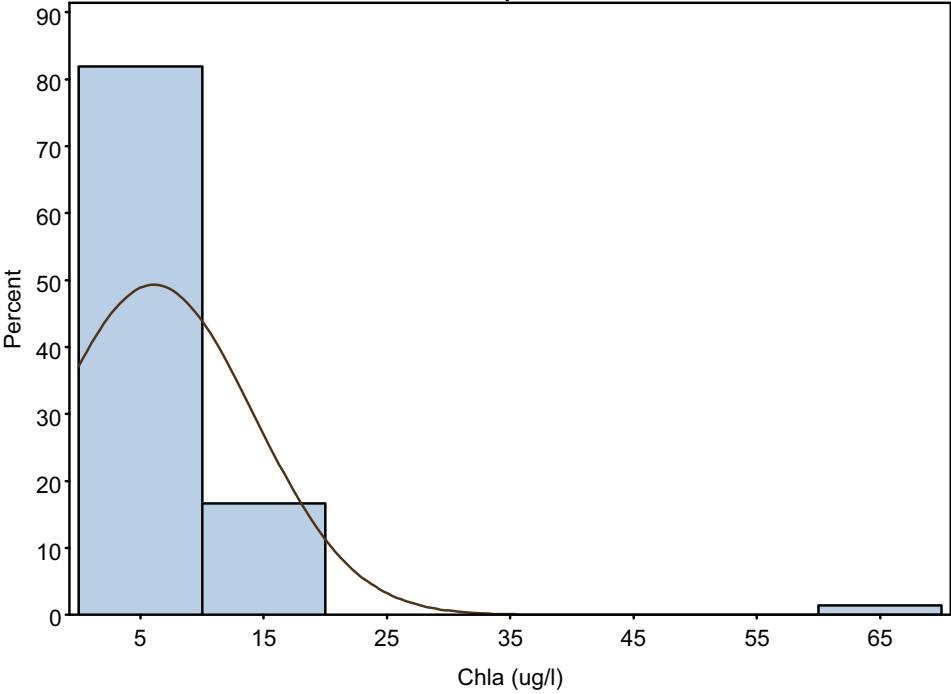
Strata=W1 Station=St Joseph Sound - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	99.460
99%	99.300
95%	97.580
90%	96.840
75% Q3	94.990
50% Median	91.395
25% Q1	84.750
10%	75.910
5%	71.770
1%	65.610
0% Min	48.570

Extreme Observations

Lowest		Highest	
Value	Obs	Value	Obs
48.57	281	98.49	416
60.69	634	99.19	451
65.61	120	99.30	432
65.73	185	99.32	363
66.01	188	99.46	385

Strata=W1 Station=St Joseph Sound - Fixed 07-02



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Moments			
N	72	Sum Weights	72
Mean	6.105	Sum Observations	439.56
Std Deviation	8.09057546	Variance	65.4574113
Skewness	5.58692367	Kurtosis	39.7629121
Uncorrected SS	7330.99	Corrected SS	4647.4762
Coeff Variation	132.523759	Std Error Mean	0.95348346

Basic Statistical Measures			
Location		Variability	
Mean	6.105000	Std Deviation	8.09058
Median	4.050000	Variance	65.45741
Mode	2.400000	Range	64.40000
		Interquartile Range	5.85000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	6.402838	Pr > t <.0001
Sign	M	36	Pr >= M <.0001
Signed Rank	S	1314	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.105
Std Dev	Sigma	8.090575

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.24422338	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.15322939	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.03030455	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.50000	-12.71649
5.0	0.70000	-7.20281
10.0	1.20000	-4.26349
25.0	2.05000	0.64799
50.0	4.05000	6.10500
75.0	7.90000	11.56201
90.0	11.30000	16.47349
95.0	14.10000	19.41281
99.0	64.90000	24.92649

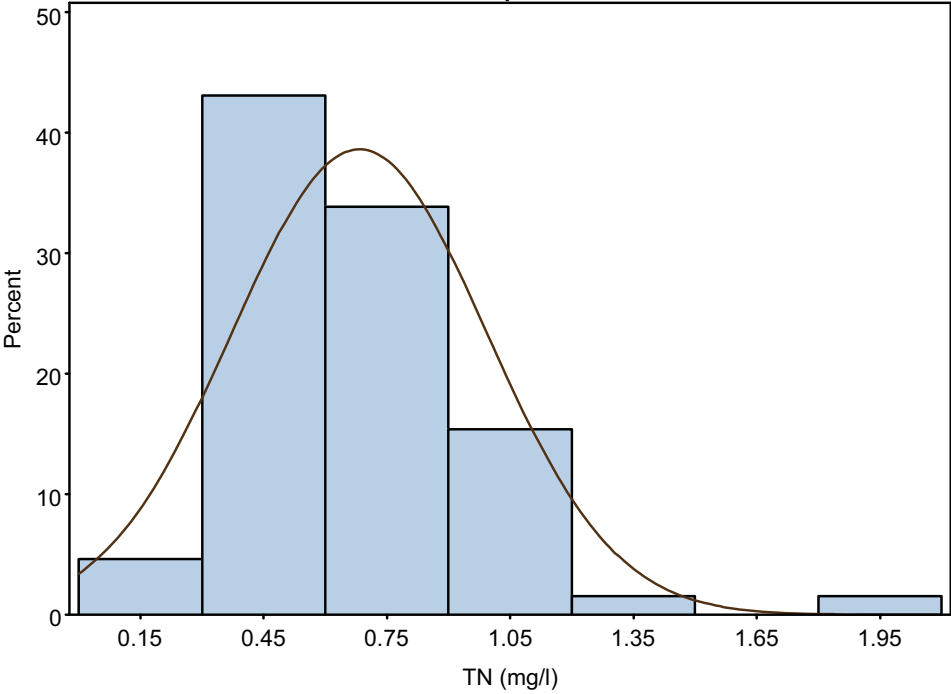
The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	64.90
99%	64.90
95%	14.10
90%	11.30
75% Q3	7.90
50% Median	4.05
25% Q1	2.05
10%	1.20
5%	0.70
1%	0.50
0% Min	0.50

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.5	802	13.69	662
0.6	835	14.10	666
0.7	856	14.90	729
0.7	820	15.60	774
0.7	799	64.90	790

Strata=W1 Station=St Joseph Sound - Fixed 07-02



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Moments			
N	65	Sum Weights	65
Mean	0.68276923	Sum Observations	44.38
Std Deviation	0.30988661	Variance	0.09602971
Skewness	1.32753151	Kurtosis	5.17294514
Uncorrected SS	36.4472	Corrected SS	6.14590154
Coeff Variation	45.3867276	Std Error Mean	0.0384367

Basic Statistical Measures			
Location		Variability	
Mean	0.682769	Std Deviation	0.30989
Median	0.630000	Variance	0.09603
Mode	0.530000	Range	2.06000
		Interquartile Range	0.33000

Note: The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	17.76347	Pr > t <.0001
Sign	M	32	Pr >= M <.0001
Signed Rank	S	1040	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.682769
Std Dev	Sigma	0.309887

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.12652714	Pr > D 0.011
Cramer-von Mises	W-Sq	0.25378635	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1.43238913	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.03813
5.0	0.36000	0.17305
10.0	0.39000	0.28563
25.0	0.51000	0.47375
50.0	0.63000	0.68277
75.0	0.84000	0.89178
90.0	1.06000	1.07990
95.0	1.16000	1.19249
99.0	2.06000	1.40367

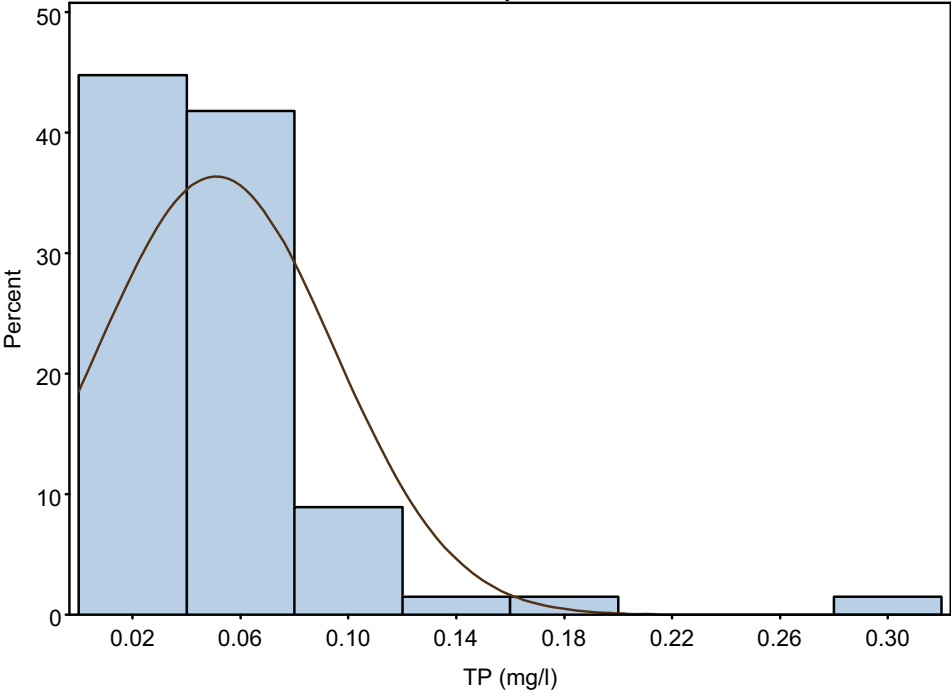
The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	2.06
99%	2.06
95%	1.16
90%	1.06
75% Q3	0.84
50% Median	0.63
25% Q1	0.51
10%	0.39
5%	0.36
1%	0.00
0% Min	0.00

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.00	829	1.11	850
0.07	683	1.16	790
0.12	762	1.19	695
0.36	768	1.24	710
0.37	847	2.06	756

Strata=W1 Station=St Joseph Sound - Fixed 07-02



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Moments			
N	67	Sum Weights	67
Mean	0.0509403	Sum Observations	3.413
Std Deviation	0.04386097	Variance	0.00192378
Skewness	3.62759613	Kurtosis	18.4328752
Uncorrected SS	0.300829	Corrected SS	0.12696976
Coeff Variation	86.1026857	Std Error Mean	0.00535847

Basic Statistical Measures			
Location		Variability	
Mean	0.050940	Std Deviation	0.04386
Median	0.040000	Variance	0.00192
Mode	0.020000	Range	0.29000
		Interquartile Range	0.04000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	9.506501	Pr > t <.0001
Sign	M	33.5	Pr >= M <.0001
Signed Rank	S	1139	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.05094
Std Dev	Sigma	0.043861

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.24027518	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.87142700	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	5.26997795	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.05110
5.0	0.02000	-0.02120
10.0	0.02000	-0.00527
25.0	0.02000	0.02136
50.0	0.04000	0.05094
75.0	0.06000	0.08052
90.0	0.09000	0.10715
95.0	0.11000	0.12309
99.0	0.31000	0.15298

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.31
99%	0.31
95%	0.11
90%	0.09
75% Q3	0.06
50% Median	0.04
25% Q1	0.02
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	862	0.09	744
0.02	859	0.11	707
0.02	856	0.14	759
0.02	853	0.17	686
0.02	847	0.31	680

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W1 Station=St Joseph Sound - Fixed 08-02

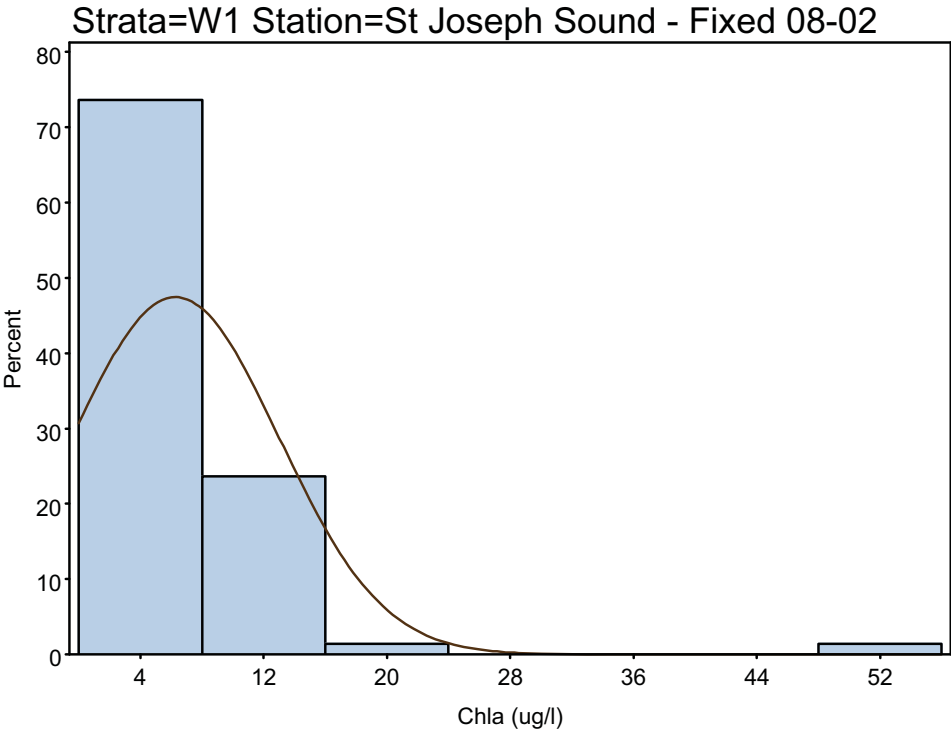
Quantiles (Definition 5)	
Quantile	Estimate
100% Max	52.70
99%	52.70
95%	12.77
90%	10.90
75% Q3	8.55
50% Median	4.90
25% Q1	2.31
10%	1.60
5%	0.90
1%	0.50
0% Min	0.50

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.5	1058	11.90	1034
0.6	1001	12.77	882
0.7	1022	13.60	899
0.9	1076	18.60	880
1.0	1079	52.70	1013

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W1 Station=St Joseph Sound - Fixed 07-02

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	215	100.00	100.00



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Moments			
N	72	Sum Weights	72
Mean	6.2806944	Sum Observations	452.21
Std Deviation	6.72687344	Variance	45.2508263
Skewness	4.81900666	Kurtosis	31.9488765
Uncorrected SS	6053.0015	Corrected SS	3212.80867
Coeff Variation	107.103976	Std Error Mean	0.79276964

Basic Statistical Measures			
Location		Variability	
Mean	6.280694	Std Deviation	6.72687
Median	4.900000	Variance	45.25083
Mode	2.100000	Range	52.20000
		Interquartile Range	6.24000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	7.922471	Pr > t <.0001
Sign	M	36	Pr >= M <.0001
Signed Rank	S	1314	Pr >= S <.0001

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.280
99%	1.280
95%	0.960
90%	0.940
75% Q3	0.810
50% Median	0.625
25% Q1	0.490
10%	0.390
5%	0.350
1%	0.005
0% Min	0.005

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.005	1052	0.94	956
0.120	983	0.96	992
0.330	1022	1.02	920
0.350	1070	1.04	1055
0.350	989	1.28	917

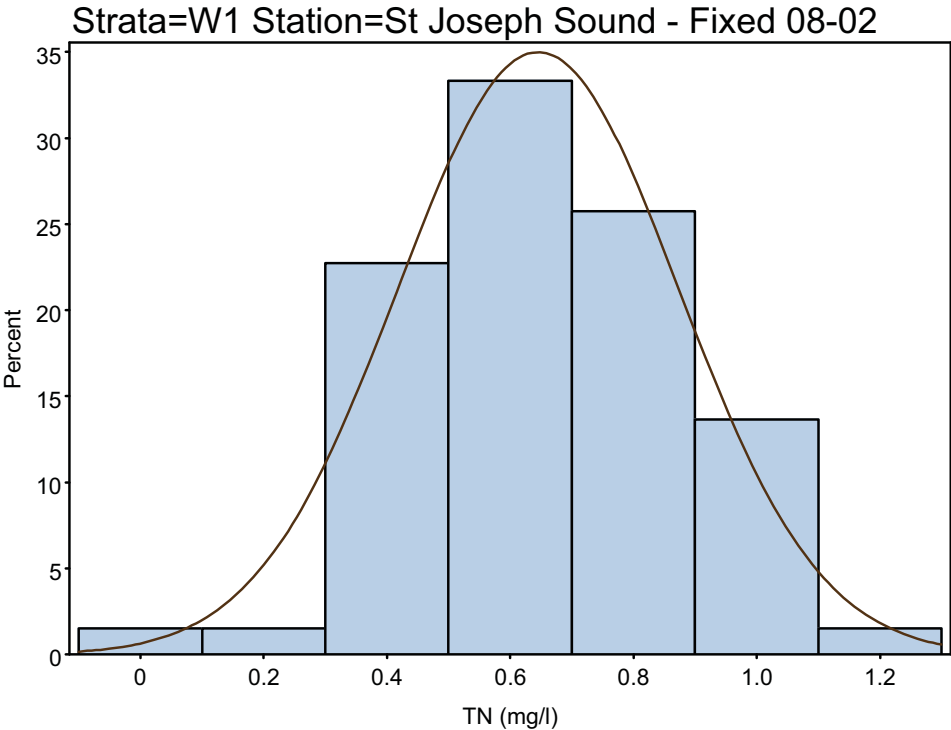
The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.280694
Std Dev	Sigma	6.726873

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.19507554	Pr > D <0.010
Cramer-von Mises	W-Sq	0.80506668	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	5.23350900	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.50000	-9.36835
5.0	0.90000	-4.78403
10.0	1.60000	-2.34014
25.0	2.31000	1.74349
50.0	4.90000	6.28069
75.0	8.55000	10.81790
90.0	10.90000	14.90153
95.0	12.77000	17.34542
99.0	52.70000	21.92974



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Moments			
N	66	Sum Weights	66
Mean	0.6455303	Sum Observations	42.605
Std Deviation	0.22804205	Variance	0.05200318
Skewness	-0.0025496	Kurtosis	0.41364862
Uncorrected SS	30.883025	Corrected SS	3.38020644
Coeff Variation	35.326312	Std Error Mean	0.02807004

Basic Statistical Measures		
Location		Variability
Mean	0.645530	Std Deviation 0.22804
Median	0.625000	Variance 0.05200
Mode	0.510000	Range 1.27500
		Interquartile Range 0.32000

Note: The mode displayed is the smallest of 2 modes with a count of 3.

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	22.99713	Pr > t <.0001
Sign	M	33	Pr >= M <.0001
Signed Rank	S	1105.5	Pr >= S <.0001

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.320
99%	0.320
95%	0.100
90%	0.080
75% Q3	0.060
50% Median	0.045
25% Q1	0.027
10%	0.020
5%	0.020
1%	0.020
0% Min	0.020

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	1085	0.10	932
0.02	1079	0.10	980
0.02	1076	0.11	926
0.02	1070	0.24	902
0.02	1046	0.32	896

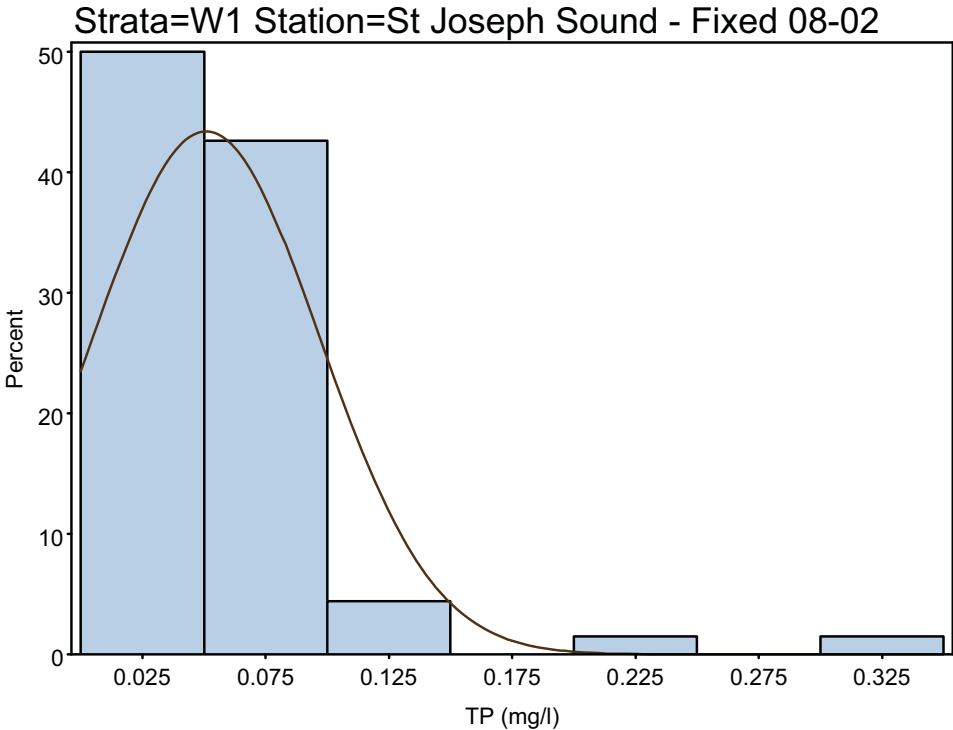
The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.64553
Std Dev	Sigma	0.228042

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.08104295	Pr > D >0.150
Cramer-von Mises	W-Sq	0.06190781	Pr > W-Sq >0.250
Anderson-Darling	A-Sq	0.42567541	Pr > A-Sq >0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00500	0.11503
5.0	0.35000	0.27043
10.0	0.39000	0.35328
25.0	0.49000	0.49172
50.0	0.62500	0.64553
75.0	0.81000	0.79934
90.0	0.94000	0.93778
95.0	0.96000	1.02063
99.0	1.28000	1.17604



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Moments			
N	68	Sum Weights	68
Mean	0.05094118	Sum Observations	3.464
Std Deviation	0.04595841	Variance	0.00211218
Skewness	4.14504312	Kurtosis	20.8686378
Uncorrected SS	0.317976	Corrected SS	0.14151576
Coeff Variation	90.2185908	Std Error Mean	0.00557328

Basic Statistical Measures			
Location		Variability	
Mean	0.050941	Std Deviation	0.04596
Median	0.045000	Variance	0.00211
Mode	0.020000	Range	0.30000
		Interquartile Range	0.03300

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	9.140257	Pr > t <.0001
Sign	M	34	Pr >= M <.0001
Signed Rank	S	1173	Pr >= S <.0001

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W2 Station=Clearwater Harbor North - Random

Moments			
N	242	Sum Weights	242
Mean	4.01404959	Sum Observations	971.4
Std Deviation	2.67418288	Variance	7.15125407
Skewness	1.05896138	Kurtosis	0.60126579
Uncorrected SS	5622.7	Corrected SS	1723.45223
Coeff Variation	66.6205741	Std Error Mean	0.17190299

Basic Statistical Measures			
Location		Variability	
Mean	4.014050	Std Deviation	2.67418
Median	3.100000	Variance	7.15125
Mode	2.000000	Range	12.80000
		Interquartile Range	3.50000

Note: The mode displayed is the smallest of 2 modes with a count of 8.

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	23.35067	Pr > t <.0001
Sign	M	121	Pr >= M <.0001
Signed Rank	S	14701.5	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.050941
Std Dev	Sigma	0.045958

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.26010635	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.25140808	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.31075578	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.05597
5.0	0.02000	-0.02465
10.0	0.02000	-0.00796
25.0	0.02700	0.01994
50.0	0.04500	0.05094
75.0	0.06000	0.08194
90.0	0.08000	0.10984
95.0	0.10000	0.12654
99.0	0.32000	0.15786

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W2 Station=Clearwater Harbor North - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	13.3
99%	12.3
95%	9.4
90%	8.0
75% Q3	5.5
50% Median	3.1
25% Q1	2.0
10%	1.3
5%	1.0
1%	0.6
0% Min	0.5

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.5	1456	10.7	1164
0.5	1430	10.9	1153
0.6	1357	12.3	1190
0.6	1286	12.6	1316
0.7	1715	13.3	1310

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W1 Station=St Joseph Sound - Fixed 08-02

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	221	100.00	100.00

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Random

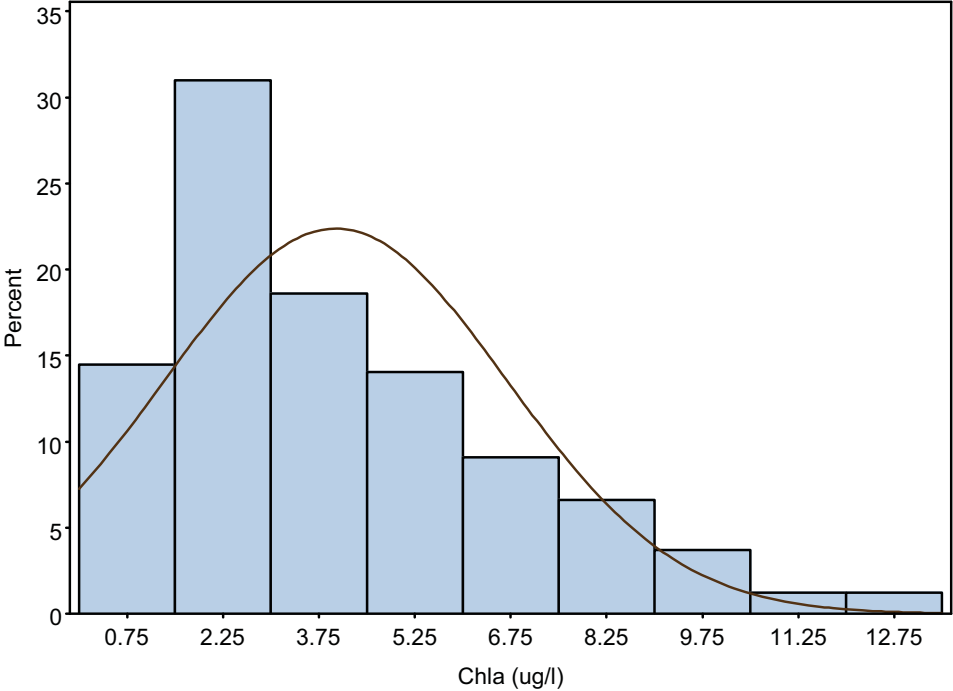
Moments			
N	230	Sum Weights	230
Mean	0.54956522	Sum Observations	126.4
Std Deviation	0.14653429	Variance	0.0214723
Skewness	0.81878914	Kurtosis	1.25623408
Uncorrected SS	74.3822	Corrected SS	4.91715652
Coeff Variation	26.6636769	Std Error Mean	0.00966219

Basic Statistical Measures			
Location		Variability	
Mean	0.549565	Std Deviation	0.14653
Median	0.530000	Variance	0.02147
Mode	0.450000	Range	0.90000
		Interquartile Range	0.17000

Note: The mode displayed is the smallest of 2 modes with a count of 11.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	56.87794	Pr > t	<.0001
Sign	M	115	Pr >= M	<.0001
Signed Rank	S	13282.5	Pr >= S	<.0001

Strata=W2 Station=Clearwater Harbor North - Random



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.060
99%	0.990
95%	0.850
90%	0.735
75% Q3	0.620
50% Median	0.530
25% Q1	0.450
10%	0.380
5%	0.340
1%	0.290
0% Min	0.160

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.16	1260	0.96	1253
0.26	1361	0.96	1190
0.29	1431	0.99	1436
0.30	1266	1.01	1401
0.30	1257	1.06	1393

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W2 Station=Clearwater Harbor North - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.01405
Std Dev	Sigma	2.674183

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14233342	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.20775836	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.02236724	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.60000	-2.20703
5.0	1.00000	-0.38459
10.0	1.30000	0.58695
25.0	2.00000	2.21034
50.0	3.10000	4.01405
75.0	5.50000	5.81776
90.0	8.00000	7.44115
95.0	9.40000	8.41269
99.0	12.30000	10.23513

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

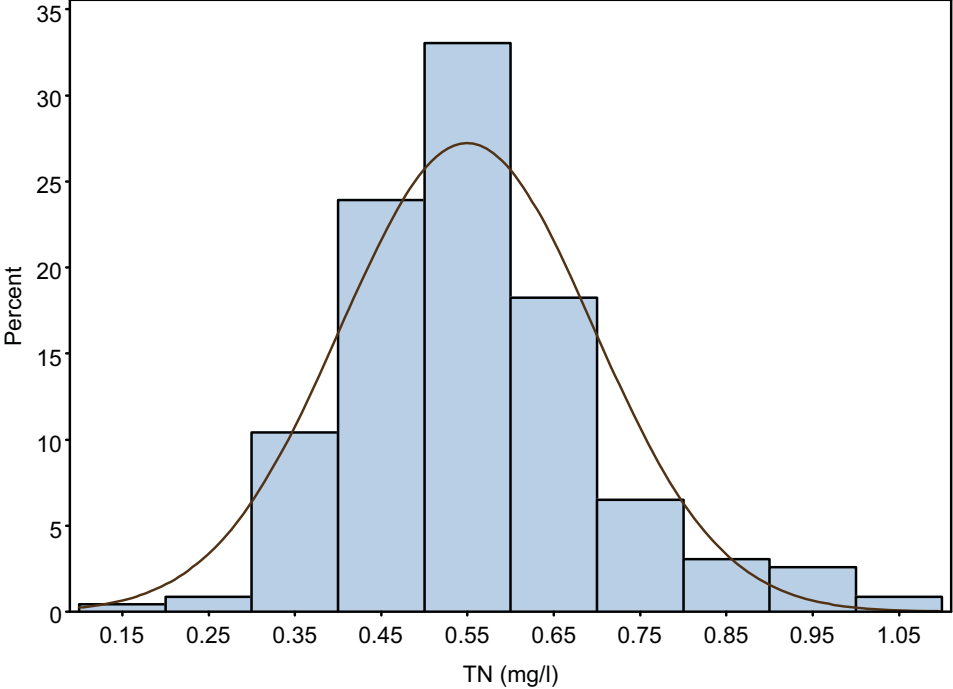
Strata=W2 Station=Clearwater Harbor North - Random

Moments			
N	242	Sum Weights	242
Mean	0.03618595	Sum Observations	8.757
Std Deviation	0.01708906	Variance	0.00029204
Skewness	1.53487404	Kurtosis	4.1250439
Uncorrected SS	0.387261	Corrected SS	0.07038063
Coeff Variation	47.2256644	Std Error Mean	0.00109853

Basic Statistical Measures			
Location		Variability	
Mean	0.036186	Std Deviation	0.01709
Median	0.030000	Variance	0.0002920
Mode	0.020000	Range	0.11000
		Interquartile Range	0.03000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	32.94046	Pr > t <.0001
Sign	M	121	Pr >= M <.0001
Signed Rank	S	14701.5	Pr >= S <.0001

Strata=W2 Station=Clearwater Harbor North - Random



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.13
99%	0.09
95%	0.06
90%	0.06
75% Q3	0.05
50% Median	0.03
25% Q1	0.02
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	1718	0.08	1679
0.02	1715	0.09	1585
0.02	1709	0.09	1640
0.02	1705	0.10	1402
0.02	1690	0.13	1637

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W2 Station=Clearwater Harbor North - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.549565
Std Dev	Sigma	0.146534

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.08729787	Pr > D <0.010
Cramer-von Mises	W-Sq	0.36879181	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	2.45130751	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.29000	0.20868
5.0	0.34000	0.30854
10.0	0.38000	0.36177
25.0	0.45000	0.45073
50.0	0.53000	0.54957
75.0	0.62000	0.64840
90.0	0.73500	0.73736
95.0	0.85000	0.79059
99.0	0.99000	0.89045

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W2 Station=Clearwater Harbor North - Random

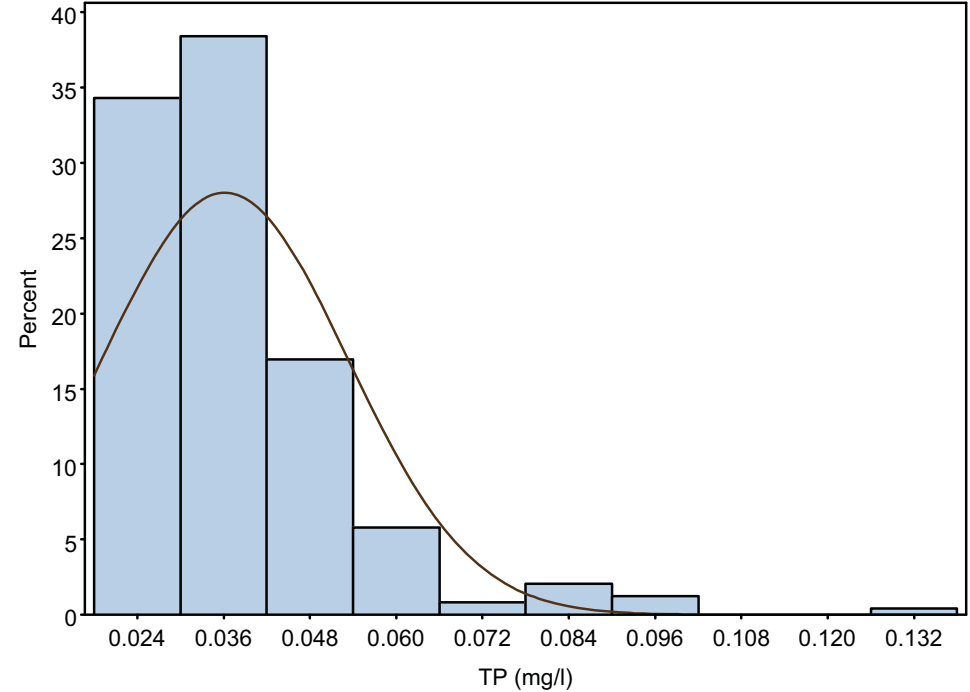
Moments			
N	224	Sum Weights	224
Mean	80.9862946	Sum Observations	18140.93
Std Deviation	9.34073989	Variance	87.2494216
Skewness	-0.6167005	Kurtosis	0.12575411
Uncorrected SS	1488623.32	Corrected SS	19456.621
Coeff Variation	11.5337292	Std Error Mean	0.62410444

Basic Statistical Measures			
Location		Variability	
Mean	80.98629	Std Deviation	9.34074
Median	81.92000	Variance	87.24942
Mode	68.98000	Range	48.34000
		Interquartile Range	12.96500

Note: The mode displayed is the smallest of 14 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	129.764	Pr > t	<.0001
Sign	M	112	Pr >= M	<.0001
Signed Rank	S	12600	Pr >= S	<.0001

Strata=W2 Station=Clearwater Harbor North - Random



The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W2 Station=Clearwater Harbor North - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	99.630
99%	96.630
95%	93.860
90%	92.040
75% Q3	88.230
50% Median	81.920
25% Q1	75.265
10%	68.980
5%	64.190
1%	55.980
0% Min	51.290

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
51.29	1137	96.51	1416
53.82	1136	96.53	1442
55.98	1557	96.63	1430
56.04	1462	97.02	1455
59.36	1215	99.63	1121

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W2 Station=Clearwater Harbor North - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.036186
Std Dev	Sigma	0.017089

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1717804	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.5688162	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	10.4018015	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.00357
5.0	0.02000	0.00808
10.0	0.02000	0.01429
25.0	0.02000	0.02466
50.0	0.03000	0.03619
75.0	0.05000	0.04771
90.0	0.06000	0.05809
95.0	0.06000	0.06429
99.0	0.09000	0.07594

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

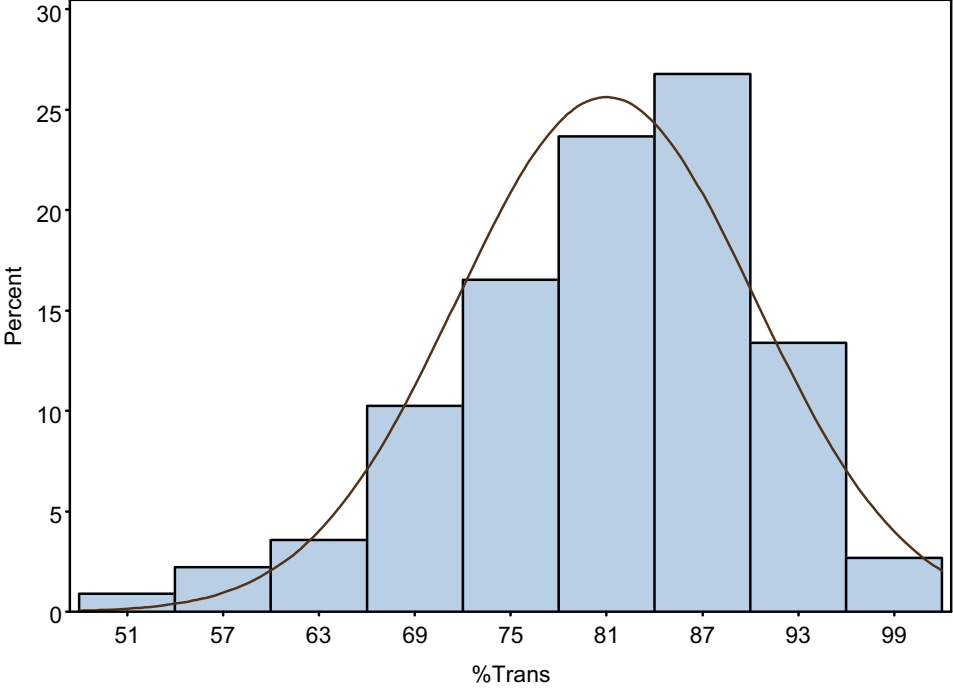
Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Moments			
N	138	Sum Weights	138
Mean	6.55594203	Sum Observations	904.72
Std Deviation	4.69027237	Variance	21.9986549
Skewness	2.8355848	Kurtosis	16.2504042
Uncorrected SS	8945.1076	Corrected SS	3013.81573
Coeff Variation	71.5423101	Std Error Mean	0.3992625

Basic Statistical Measures			
Location		Variability	
Mean	6.555942	Std Deviation	4.69027
Median	5.800000	Variance	21.99865
Mode	2.800000	Range	38.70000
		Interquartile Range	5.20000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	16.42013	Pr > t <.0001
Sign	M	69	Pr >= M <.0001
Signed Rank	S	4795.5	Pr >= S <.0001

Strata=W2 Station=Clearwater Harbor North - Random



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	39.2
99%	17.6
95%	14.3
90%	11.4
75% Q3	8.6
50% Median	5.8
25% Q1	3.4
10%	2.0
5%	1.4
1%	0.5
0% Min	0.5

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.5	1940	16.6	1886
0.5	1937	16.7	1805
0.7	2016	17.2	1787
1.0	2085	17.6	2034
1.1	2121	39.2	2001

The UNIVARIATE Procedure
Fitted Normal Distribution for Transmissivity

Strata=W2 Station=Clearwater Harbor North - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	80.98629
Std Dev	Sigma	9.34074

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.06287407	Pr > D 0.030
Cramer-von Mises	W-Sq	0.23722128	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1.53033099	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	55.9800	59.2565
5.0	64.1900	65.6221
10.0	68.9800	69.0157
25.0	75.2650	74.6861
50.0	81.9200	80.9863
75.0	88.2300	87.2865
90.0	92.0400	92.9569
95.0	93.8600	96.3504
99.0	96.6300	102.7161

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

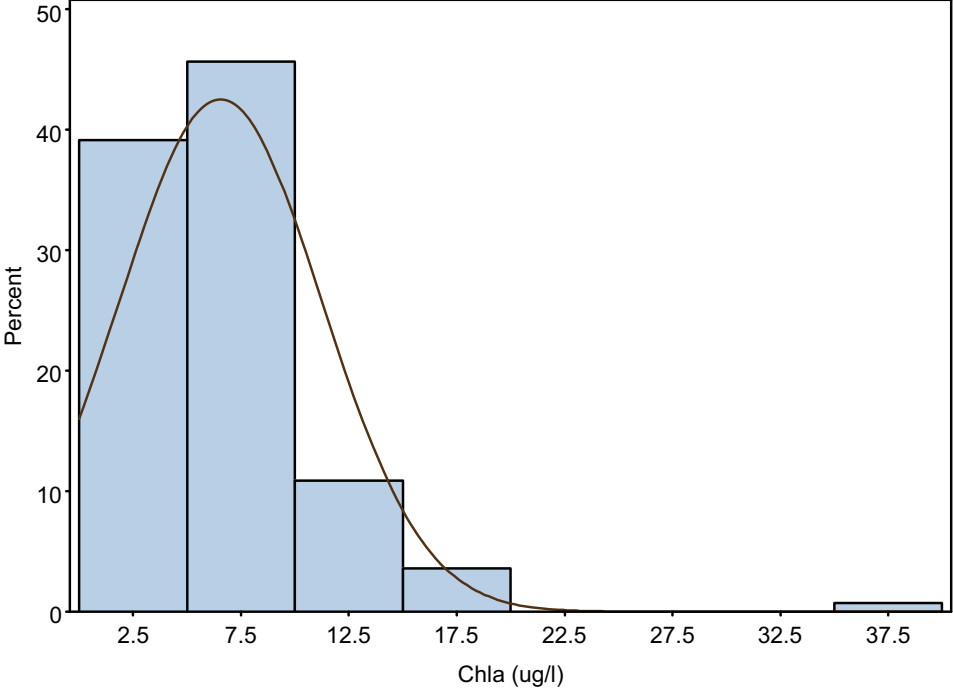
Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Moments			
N	126	Sum Weights	126
Mean	0.57130159	Sum Observations	71.984
Std Deviation	0.34808326	Variance	0.12116196
Skewness	8.06092749	Kurtosis	80.7814402
Uncorrected SS	56.269818	Corrected SS	15.1452445
Coeff Variation	60.9281102	Std Error Mean	0.03100972

Basic Statistical Measures			
Location		Variability	
Mean	0.571302	Std Deviation	0.34808
Median	0.555000	Variance	0.12116
Mode	0.620000	Range	3.93000
		Interquartile Range	0.22000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	18.42331	Pr > t <.0001
Sign	M	63	Pr >= M <.0001
Signed Rank	S	4000.5	Pr >= S <.0001

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	4.050
99%	0.940
95%	0.790
90%	0.760
75% Q3	0.650
50% Median	0.555
25% Q1	0.430
10%	0.340
5%	0.310
1%	0.127
0% Min	0.120

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.120	1934	0.84	1967
0.127	2076	0.85	1961
0.280	2109	0.92	1886
0.280	1955	0.94	1787
0.280	1937	4.05	1889

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.555942
Std Dev	Sigma	4.690272

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.11922889	Pr > D <0.010
Cramer-von Mises	W-Sq	0.51900049	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	3.46994462	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.50000	-4.35526
5.0	1.40000	-1.15887
10.0	2.00000	0.54512
25.0	3.40000	3.39240
50.0	5.80000	6.55594
75.0	8.60000	9.71948
90.0	11.40000	12.56677
95.0	14.30000	14.27075
99.0	17.60000	17.46715

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

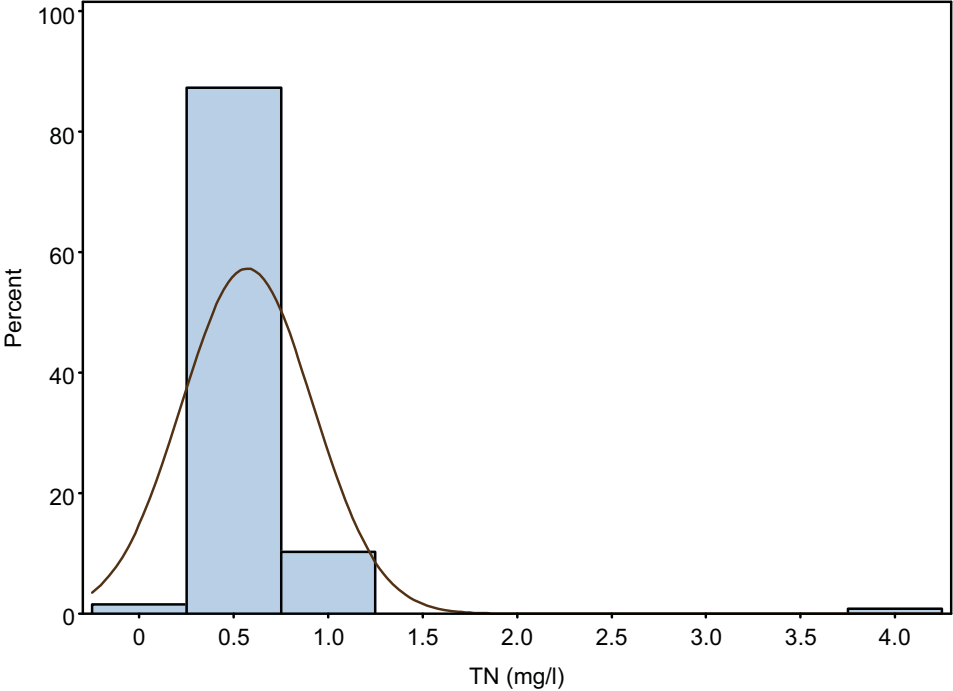
Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Moments			
N	128	Sum Weights	128
Mean	0.05124219	Sum Observations	6.559
Std Deviation	0.03885441	Variance	0.00150967
Skewness	2.93204201	Kurtosis	12.7584077
Uncorrected SS	0.527825	Corrected SS	0.19172749
Coeff Variation	75.8250445	Std Error Mean	0.00343428

Basic Statistical Measures			
Location		Variability	
Mean	0.051242	Std Deviation	0.03885
Median	0.050000	Variance	0.00151
Mode	0.020000	Range	0.27000
		Interquartile Range	0.04000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	14.92081	Pr > t <.0001
Sign	M	64	Pr >= M <.0001
Signed Rank	S	4128	Pr >= S <.0001

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.29
99%	0.20
95%	0.12
90%	0.09
75% Q3	0.06
50% Median	0.05
25% Q1	0.02
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	2151	0.13	1928
0.02	2142	0.17	1811
0.02	2139	0.18	1799
0.02	2136	0.20	1790
0.02	2127	0.29	1778

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.571302
Std Dev	Sigma	0.348083

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.2252233	Pr > D <0.010
Cramer-von Mises	W-Sq	2.1719265	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	13.0615603	Pr > A-Sq <0.005

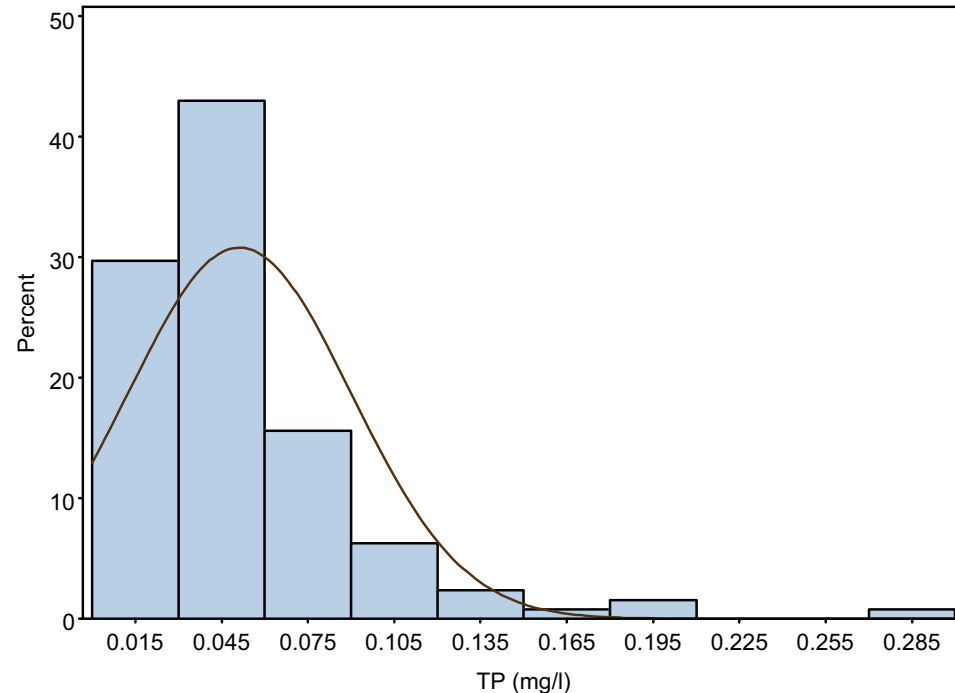
Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.12700	-0.23846
5.0	0.31000	-0.00124
10.0	0.34000	0.12521
25.0	0.43000	0.33652
50.0	0.55500	0.57130
75.0	0.65000	0.80608
90.0	0.76000	1.01739
95.0	0.79000	1.14385
99.0	0.94000	1.38106

The UNIVARIATE Procedure
Variable: *Transmissivity (%Trans)*

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	436	100.00	100.00

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01



The UNIVARIATE Procedure
Variable: *Chl_a (Chla (ug/l))*

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Moments			
N	70	Sum Weights	70
Mean	6.08081429	Sum Observations	425.657
Std Deviation	3.90917246	Variance	15.2816293
Skewness	2.01438944	Kurtosis	7.55776299
Uncorrected SS	3642.77359	Corrected SS	1054.43242
Coeff Variation	64.2869898	Std Error Mean	0.46723548

Basic Statistical Measures			
Location		Variability	
Mean	6.080814	Std Deviation	3.90917
Median	5.650000	Variance	15.28163
Mode	3.000000	Range	24.43300
		Interquartile Range	4.86000

Note: The mode displayed is the smallest of 2 modes with a count of 3.

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	13.01445	Pr > t <.0001
Sign	M	35	Pr >= M <.0001
Signed Rank	S	1242.5	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W2 Station=Clearwater Harbor North - Fixed 54-01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.051242
Std Dev	Sigma	0.038854

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.23931464	Pr > D <0.010
Cramer-von Mises	W-Sq	1.41015777	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	8.31855722	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.039147
5.0	0.02000	-0.012668
10.0	0.02000	0.001448
25.0	0.02000	0.025035
50.0	0.05000	0.051242
75.0	0.06000	0.077449
90.0	0.09000	0.101036
95.0	0.12000	0.115152
99.0	0.20000	0.141631

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.080814
Std Dev	Sigma	3.909172

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.10212435	Pr > D 0.071
Cramer-von Mises	W-Sq	0.20757019	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1.52226504	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.86700	-3.01328
5.0	1.40000	-0.34920
10.0	2.20000	1.07101
25.0	3.24000	3.44412
50.0	5.65000	6.08081
75.0	8.10000	8.71751
90.0	10.20000	11.09062
95.0	11.60000	12.51083
99.0	25.30000	15.17491

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	25.300
99%	25.300
95%	11.600
90%	10.200
75% Q3	8.100
50% Median	5.650
25% Q1	3.240
10%	2.200
5%	1.400
1%	0.867
0% Min	0.867

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.867	2178	11.2	2187
1.100	2347	11.6	2234
1.200	2310	13.9	2284
1.400	2365	15.9	2280
1.400	2277	25.3	2304

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

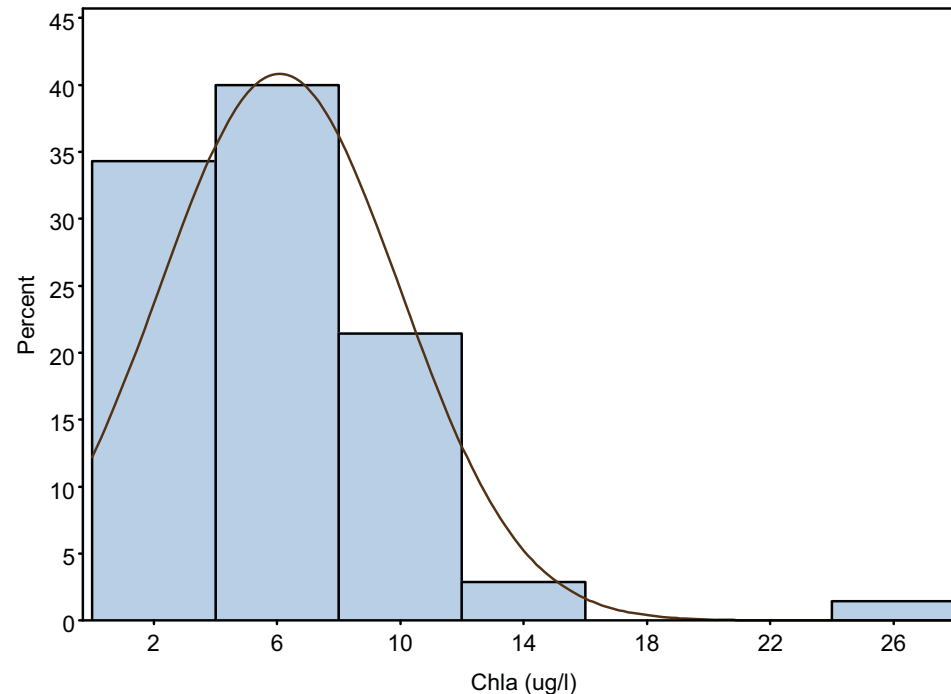
Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Moments			
N	64	Sum Weights	64
Mean	0.49517188	Sum Observations	31.691
Std Deviation	0.20108709	Variance	0.04043602
Skewness	0.7485991	Kurtosis	0.98645232
Uncorrected SS	18.239961	Corrected SS	2.54746911
Coeff Variation	40.6095539	Std Error Mean	0.02513589

Basic Statistical Measures			
Location		Variability	
Mean	0.495172	Std Deviation	0.20109
Median	0.460000	Variance	0.04044
Mode	0.360000	Range	1.07900
		Interquartile Range	0.24500

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	19.6998	Pr > t <.0001
Sign	M	32	Pr >= M <.0001
Signed Rank	S	1040	Pr >= S <.0001

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02



The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.495172
Std Dev	Sigma	0.201087

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.10819637	Pr > D 0.063
Cramer-von Mises	W-Sq	0.14868882	Pr > W-Sq 0.024
Anderson-Darling	A-Sq	0.88422320	Pr > A-Sq 0.023

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.03100	0.02737
5.0	0.21000	0.16441
10.0	0.29000	0.23747
25.0	0.36000	0.35954
50.0	0.46000	0.49517
75.0	0.60500	0.63080
90.0	0.75000	0.75288
95.0	0.84000	0.82593
99.0	1.11000	0.96297

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.110
99%	1.110
95%	0.840
90%	0.750
75% Q3	0.605
50% Median	0.460
25% Q1	0.360
10%	0.290
5%	0.210
1%	0.031
0% Min	0.031

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.031	2340	0.81	2234
0.180	2359	0.84	2199
0.200	2181	0.91	2241
0.210	2274	1.03	2280
0.280	2295	1.11	2211

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

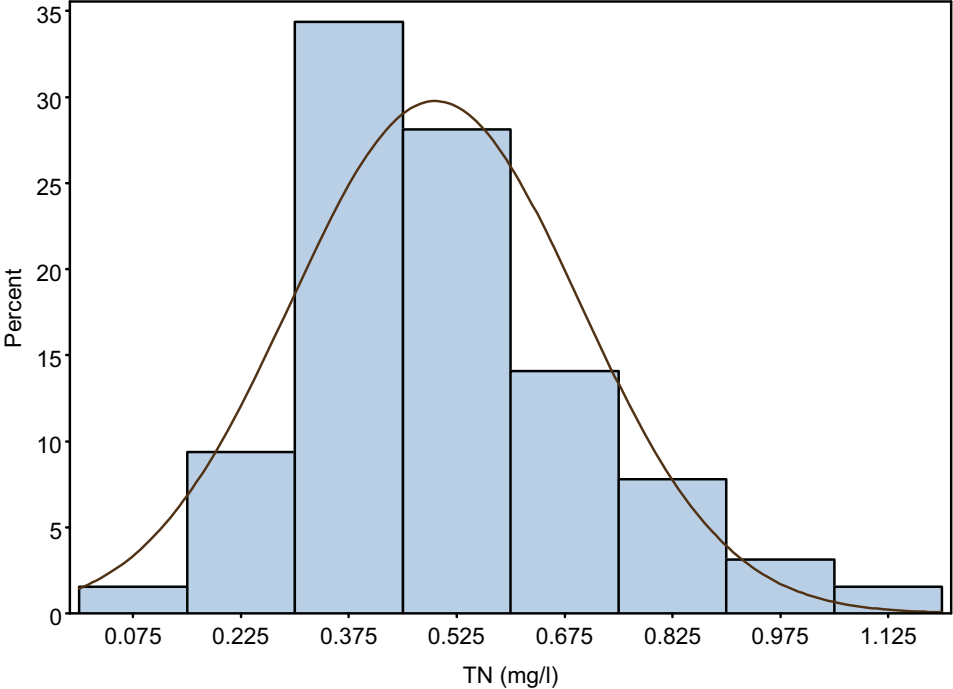
Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Moments			
N	66	Sum Weights	66
Mean	0.0585303	Sum Observations	3.863
Std Deviation	0.06547183	Variance	0.00428656
Skewness	4.02625796	Kurtosis	19.5286179
Uncorrected SS	0.504729	Corrected SS	0.27862644
Coeff Variation	111.859716	Std Error Mean	0.00805903

Basic Statistical Measures			
Location		Variability	
Mean	0.058530	Std Deviation	0.06547
Median	0.040000	Variance	0.00429
Mode	0.020000	Range	0.42000
		Interquartile Range	0.04000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	7.262703	Pr > t <.0001
Sign	M	33	Pr >= M <.0001
Signed Rank	S	1105.5	Pr >= S <.0001

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02



The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.05853
Std Dev	Sigma	0.065472

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.27809770	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.52244065	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.32995433	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.09378
5.0	0.02000	-0.04916
10.0	0.02000	-0.02538
25.0	0.02000	0.01437
50.0	0.04000	0.05853
75.0	0.06000	0.10269
90.0	0.10000	0.14244
95.0	0.13000	0.16622
99.0	0.44000	0.21084

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.44
99%	0.44
95%	0.13
90%	0.10
75% Q3	0.06
50% Median	0.04
25% Q1	0.02
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

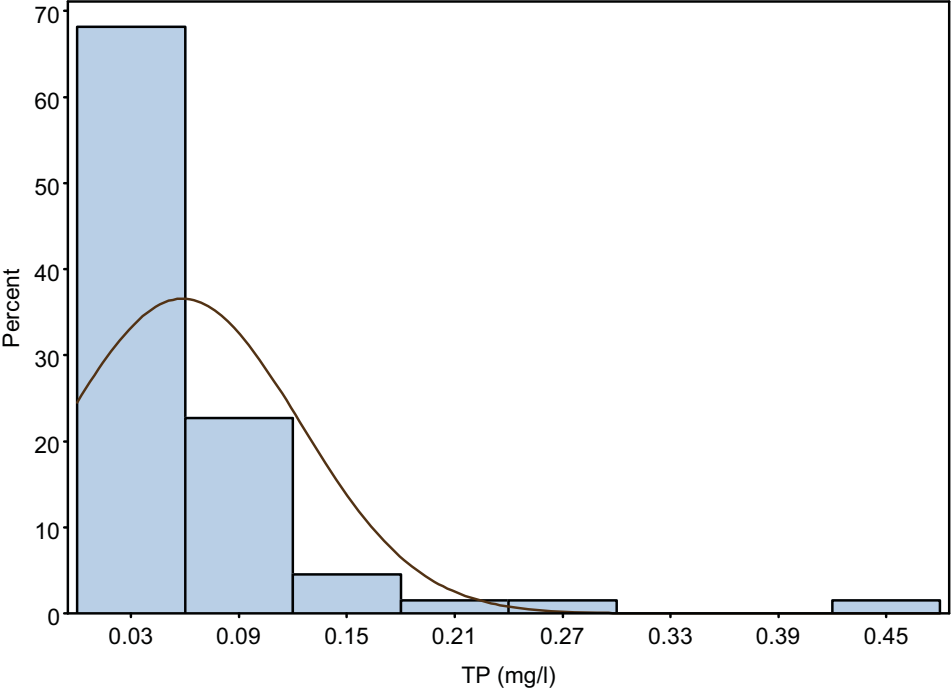
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	2377	0.13	2214
0.02	2374	0.13	2250
0.02	2365	0.21	2190
0.02	2359	0.29	2184
0.02	2353	0.44	2274

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

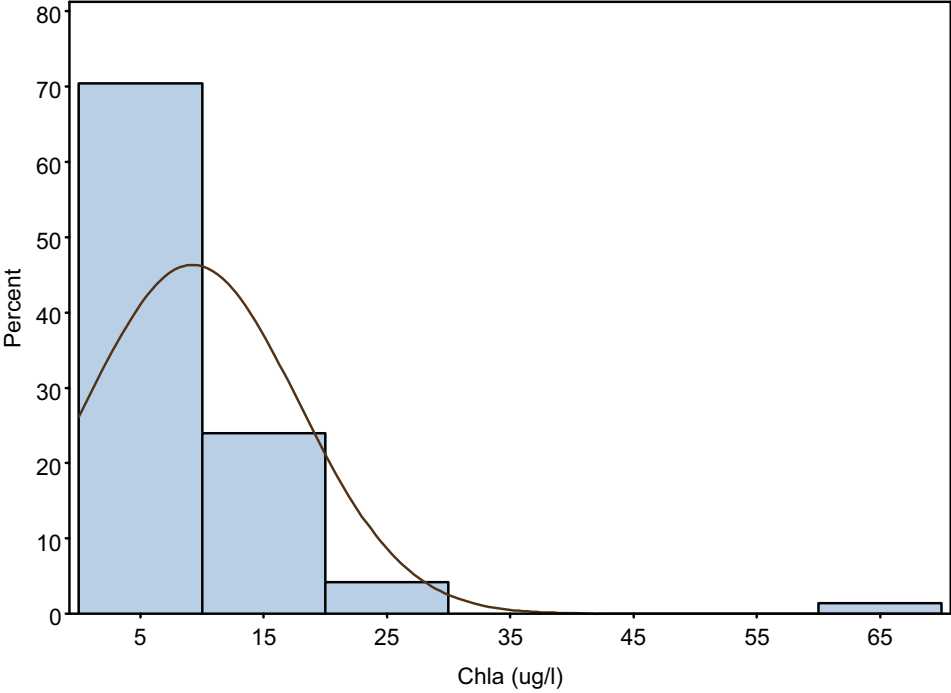
Strata=W2 Station=Clearwater Harbor North - Fixed 54-02

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	226	100.00	100.00

Strata=W2 Station=Clearwater Harbor North - Fixed 54-02



Strata=W2 Station=Clearwater Harbor North - Fixed 54-03



The UNIVARIATE Procedure
Variable: Chl_a (Chl_a (ug/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Moments			
N	71	Sum Weights	71
Mean	9.22577465	Sum Observations	655.03
Std Deviation	8.60969913	Variance	74.126919
Skewness	4.34585982	Kurtosis	26.3007692
Uncorrected SS	11232.0435	Corrected SS	5188.88433
Coeff Variation	93.3222353	Std Error Mean	1.0217833

Basic Statistical Measures			
Location		Variability	
Mean	9.225775	Std Deviation	8.60970
Median	7.000000	Variance	74.12692
Mode	7.000000	Range	65.00000
		Interquartile Range	5.50000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	9.029091	Pr > t <.0001
Sign	M	35.5	Pr >= M <.0001
Signed Rank	S	1278	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	9.225775
Std Dev	Sigma	8.609699

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.20632223	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.96321618	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	5.51669368	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.70000	-10.80338
5.0	1.80000	-4.93592
10.0	2.90000	-1.80800
25.0	4.90000	3.41862
50.0	7.00000	9.22577
75.0	10.40000	15.03293
90.0	15.60000	20.25955
95.0	24.10000	23.38747
99.0	65.70000	29.25493

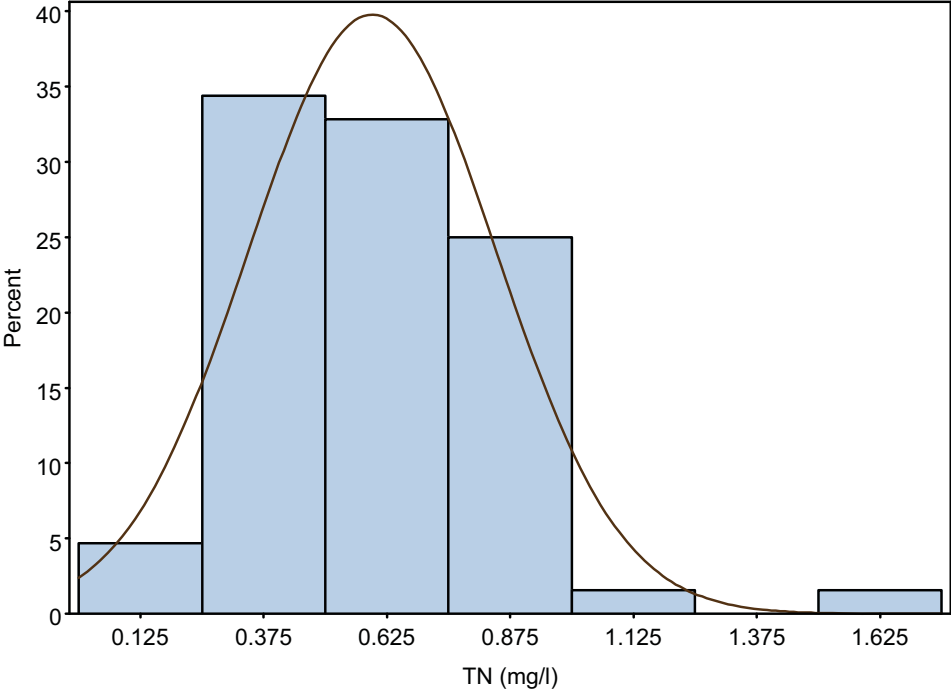
The UNIVARIATE Procedure
Variable: Chl_a (Chl_a (ug/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	65.7
99%	65.7
95%	24.1
90%	15.6
75% Q3	10.4
50% Median	7.0
25% Q1	4.9
10%	2.9
5%	1.8
1%	0.7
0% Min	0.7

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.70	2557	18.1	2501
1.40	2575	24.1	2404
1.70	2522	24.6	2479
1.80	2467	24.8	2497
2.21	2415	65.7	2513

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Moments			
N	64	Sum Weights	64
Mean	0.5954375	Sum Observations	38.108
Std Deviation	0.25072504	Variance	0.06286304
Skewness	1.22277495	Kurtosis	4.41424628
Uncorrected SS	26.651304	Corrected SS	3.96037175
Coeff Variation	42.1077	Std Error Mean	0.03134063

Basic Statistical Measures			
Location		Variability	
Mean	0.595438	Std Deviation	0.25073
Median	0.580000	Variance	0.06286
Mode	0.750000	Range	1.63200
		Interquartile Range	0.34500

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	18.9989	Pr > t <.0001
Sign	M	32	Pr >= M <.0001
Signed Rank	S	1040	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.595438
Std Dev	Sigma	0.250725

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.06252315	Pr > D >0.150
Cramer-von Mises	W-Sq	0.06147732	Pr > W-Sq >0.250
Anderson-Darling	A-Sq	0.57447130	Pr > A-Sq 0.135

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.04800	0.01216
5.0	0.25000	0.18303
10.0	0.31000	0.27412
25.0	0.40500	0.42633
50.0	0.58000	0.59544
75.0	0.75000	0.76455
90.0	0.86000	0.91675
95.0	0.93000	1.00784
99.0	1.68000	1.17871

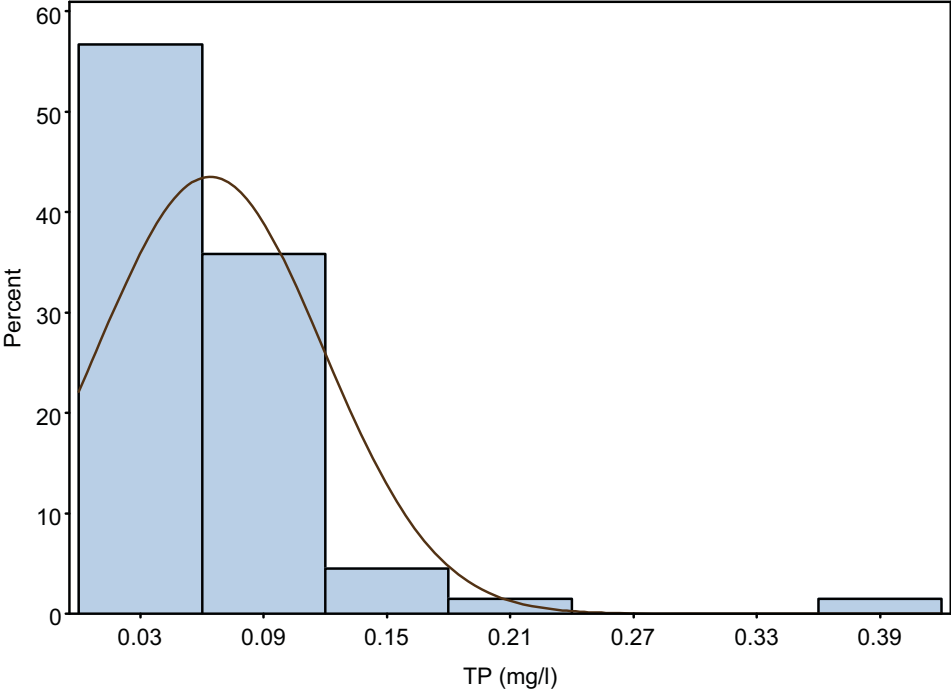
The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.680
99%	1.680
95%	0.930
90%	0.860
75% Q3	0.750
50% Median	0.580
25% Q1	0.405
10%	0.310
5%	0.250
1%	0.048
0% Min	0.048

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.048	2551	0.89	2497
0.240	2569	0.93	2458
0.240	2407	0.97	2554
0.250	2528	1.12	2421
0.300	2491	1.68	2429

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Moments			
N	67	Sum Weights	67
Mean	0.06404478	Sum Observations	4.291
Std Deviation	0.05501307	Variance	0.00302644
Skewness	4.05357759	Kurtosis	23.4866928
Uncorrected SS	0.474561	Corrected SS	0.19974487
Coeff Variation	85.8978182	Std Error Mean	0.00672092

Basic Statistical Measures			
Location		Variability	
Mean	0.064045	Std Deviation	0.05501
Median	0.050000	Variance	0.00303
Mode	0.020000	Range	0.39000
		Interquartile Range	0.05000

Note: The mode displayed is the smallest of 2 modes with a count of 13.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	9.529174	Pr > t	<.0001
Sign	M	33.5	Pr >= M	<.0001
Signed Rank	S	1139	Pr >= S	<.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.064045
Std Dev	Sigma	0.055013

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.21167470	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.73167211	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	4.55049355	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.06393
5.0	0.02000	-0.02644
10.0	0.02000	-0.00646
25.0	0.03000	0.02694
50.0	0.05000	0.06404
75.0	0.08000	0.10115
90.0	0.11000	0.13455
95.0	0.12000	0.15453
99.0	0.41000	0.19202

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.41
99%	0.41
95%	0.12
90%	0.11
75% Q3	0.08
50% Median	0.05
25% Q1	0.03
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	2584	0.12	2482
0.02	2575	0.12	2563
0.02	2569	0.13	2432
0.02	2557	0.19	2410
0.02	2554	0.41	2404

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	50.40
99%	22.90
95%	15.40
90%	12.10
75% Q3	10.00
50% Median	6.35
25% Q1	4.40
10%	2.10
5%	1.30
1%	0.70
0% Min	0.60

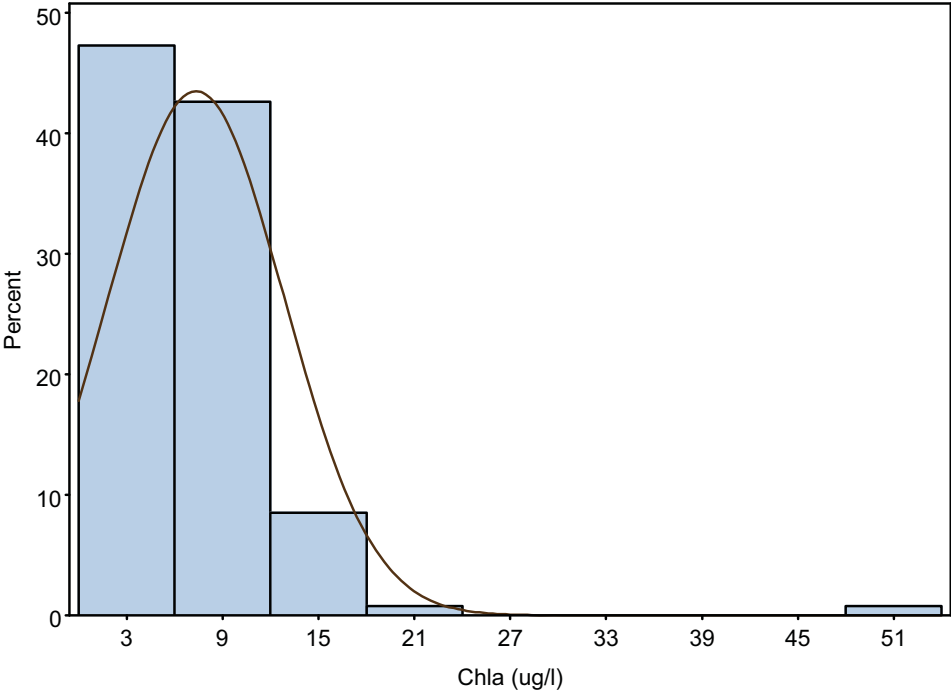
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.6	2910	16.2	2616
0.7	2838	16.3	2789
0.7	2759	16.3	2955
1.0	2946	22.9	2624
1.1	2874	50.4	2823

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W2 Station=Clearwater Harbor North - Fixed 54-03

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	209	100.00	100.00

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Moments			
N	129	Sum Weights	129
Mean	7.35209302	Sum Observations	948.42
Std Deviation	5.50413207	Variance	30.2954698
Skewness	4.01401605	Kurtosis	28.6303841
Uncorrected SS	10850.6922	Corrected SS	3877.82013
Coeff Variation	74.8648317	Std Error Mean	0.48461181

Basic Statistical Measures			
Location		Variability	
Mean	7.35209	Std Deviation	5.50413
Median	6.35000	Variance	30.29547
Mode	10.40000	Range	49.80000
		Interquartile Range	5.60000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	15.1711	Pr > t <.0001
Sign	M	64.5	Pr >= M <.0001
Signed Rank	S	4192.5	Pr >= S <.0001

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	2.98
99%	1.32
95%	0.95
90%	0.81
75% Q3	0.71
50% Median	0.57
25% Q1	0.42
10%	0.35
5%	0.28
1%	0.07
0% Min	0.00

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.00	2898	0.96	2786
0.07	2644	1.01	2640
0.18	2756	1.02	2789
0.24	2798	1.32	2634
0.25	2816	2.98	2706

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

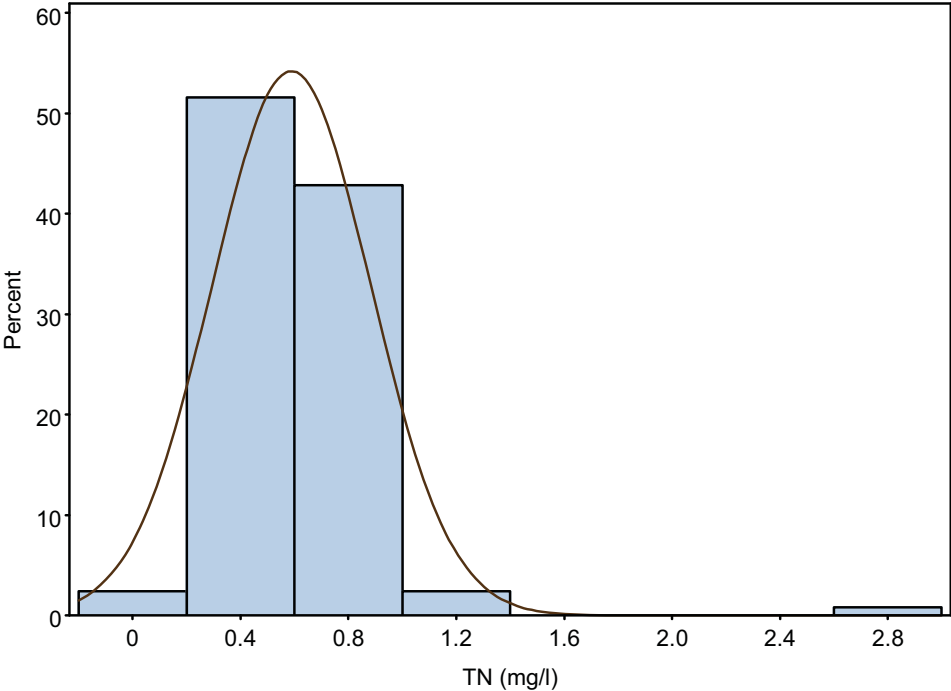
Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	7.352093
Std Dev	Sigma	5.504132

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.11821556	Pr > D <0.010
Cramer-von Mises	W-Sq	0.68429256	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	4.57250799	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.70000	-5.45243
5.0	1.30000	-1.70140
10.0	2.10000	0.29826
25.0	4.40000	3.63961
50.0	6.35000	7.35209
75.0	10.00000	11.06457
90.0	12.10000	14.40592
95.0	15.40000	16.40558
99.0	22.90000	20.15662

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Moments			
N	126	Sum Weights	126
Mean	0.58857937	Sum Observations	74.161
Std Deviation	0.29441449	Variance	0.08667989
Skewness	4.36691656	Kurtosis	34.3507509
Uncorrected SS	54.484621	Corrected SS	10.8349867
Coeff Variation	50.0212054	Std Error Mean	0.02622853

Basic Statistical Measures		
Location		Variability
Mean	0.588579	Std Deviation 0.29441
Median	0.570000	Variance 0.08668
Mode	0.470000	Range 2.98000
		Interquartile Range 0.29000

Note: The mode displayed is the smallest of 2 modes with a count of 5.

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t 22.44043	Pr > t	<.0001
Sign	M 62.5	Pr >= M	<.0001
Signed Rank	S 3937.5	Pr >= S	<.0001

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.29
99%	0.20
95%	0.11
90%	0.09
75% Q3	0.06
50% Median	0.04
25% Q1	0.02
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	2964	0.13	2733
0.02	2961	0.17	2631
0.02	2952	0.20	2611
0.02	2949	0.20	2619
0.02	2946	0.29	2598

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

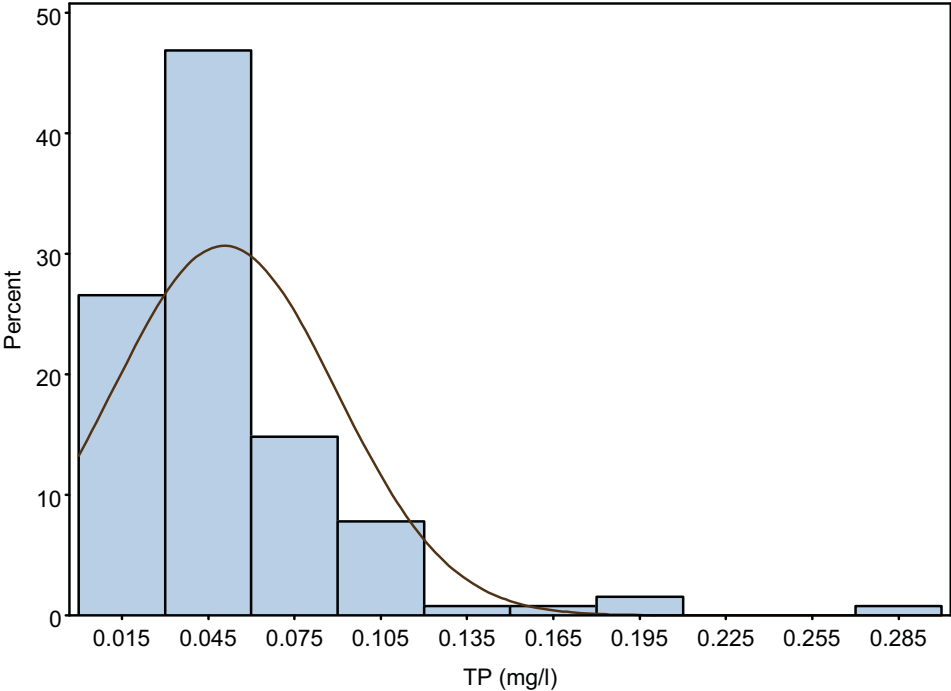
Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.588579
Std Dev	Sigma	0.294414

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.13317155	Pr > D <0.010
Cramer-von Mises	W-Sq	0.67391851	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	4.64972331	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.07000	-0.09633
5.0	0.28000	0.10431
10.0	0.35000	0.21127
25.0	0.42000	0.39000
50.0	0.57000	0.58858
75.0	0.71000	0.78716
90.0	0.81000	0.96589
95.0	0.95000	1.07285
99.0	1.32000	1.27349

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Moments			
N	128	Sum Weights	128
Mean	0.050625	Sum Observations	6.48
Std Deviation	0.0390217	Variance	0.00152269
Skewness	3.07470177	Kurtosis	13.3783523
Uncorrected SS	0.521432	Corrected SS	0.193382
Coeff Variation	77.0798972	Std Error Mean	0.00344906

Basic Statistical Measures			
Location		Variability	
Mean	0.050625	Std Deviation	0.03902
Median	0.040000	Variance	0.00152
Mode	0.020000	Range	0.27000
		Interquartile Range	0.04000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	14.6779	Pr > t <.0001
Sign	M	64	Pr >= M <.0001
Signed Rank	S	4128	Pr >= S <.0001

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Random

Moments			
N	244	Sum Weights	244
Mean	5.78606557	Sum Observations	1411.8
Std Deviation	4.81328435	Variance	23.1677063
Skewness	2.60499995	Kurtosis	11.5926204
Uncorrected SS	13798.52	Corrected SS	5629.75262
Coeff Variation	83.1875182	Std Error Mean	0.30813896

Basic Statistical Measures			
Location		Variability	
Mean	5.786066	Std Deviation	4.81328
Median	4.500000	Variance	23.16771
Mode	3.300000	Range	36.90000
		Interquartile Range	5.05000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	18.77746	Pr > t <.0001
Sign	M	122	Pr >= M <.0001
Signed Rank	S	14945	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.050625
Std Dev	Sigma	0.039022

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.24076448	Pr > D <0.010
Cramer-von Mises	W-Sq	1.54669595	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	9.00344743	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.04015
5.0	0.02000	-0.01356
10.0	0.02000	0.00062
25.0	0.02000	0.02431
50.0	0.04000	0.05062
75.0	0.06000	0.07694
90.0	0.09000	0.10063
95.0	0.11000	0.11481
99.0	0.20000	0.14140

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	37.40
99%	19.90
95%	15.20
90%	11.70
75% Q3	7.65
50% Median	4.50
25% Q1	2.60
10%	1.60
5%	1.30
1%	0.60
0% Min	0.50

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.5	3230	17.2	3211
0.5	3105	18.1	2988
0.6	3350	19.9	3053
0.6	3305	34.0	3008
0.6	3302	37.4	3029

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W2 Station=Clearwater Harbor North - Fixed 54-04

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	390	100.00	100.00

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

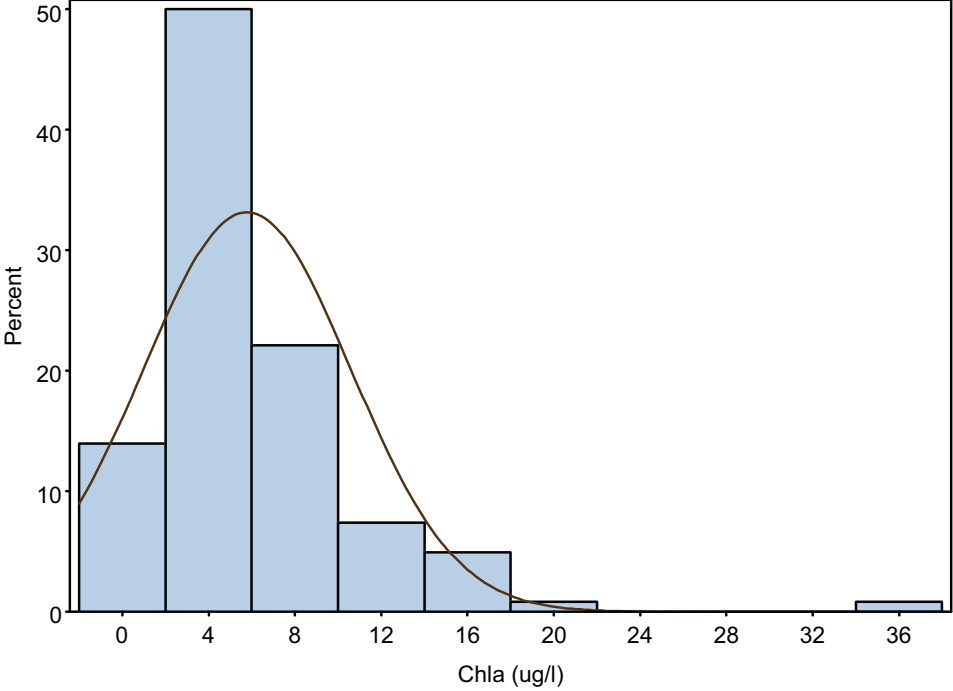
Strata=W3 Station=Clearwater Harbor South - Random

Moments			
N	237	Sum Weights	237
Mean	0.53843882	Sum Observations	127.61
Std Deviation	0.17351455	Variance	0.0301073
Skewness	0.66810486	Kurtosis	0.83459168
Uncorrected SS	75.8155	Corrected SS	7.10532236
Coeff Variation	32.22549	Std Error Mean	0.01127098

Basic Statistical Measures			
Location		Variability	
Mean	0.538439	Std Deviation	0.17351
Median	0.520000	Variance	0.03011
Mode	0.500000	Range	1.01000
		Interquartile Range	0.20000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	47.77213	Pr > t <.0001
Sign	M	118.5	Pr >= M <.0001
Signed Rank	S	14101.5	Pr >= S <.0001

Strata=W3 Station=Clearwater Harbor South - Random



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.07
99%	1.04
95%	0.90
90%	0.76
75% Q3	0.62
50% Median	0.52
25% Q1	0.42
10%	0.34
5%	0.29
1%	0.17
0% Min	0.06

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.06	3401	1.02	3029
0.15	3283	1.02	3155
0.17	3428	1.04	3569
0.25	3148	1.05	3376
0.26	3191	1.07	3287

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W3 Station=Clearwater Harbor South - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.786066
Std Dev	Sigma	4.813284

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1360533	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.8887780	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	10.9362224	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.60000	-5.41131
5.0	1.30000	-2.13108
10.0	1.60000	-0.38241
25.0	2.60000	2.53955
50.0	4.50000	5.78607
75.0	7.65000	9.03258
90.0	11.70000	11.95454
95.0	15.20000	13.70321
99.0	19.90000	16.98344

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

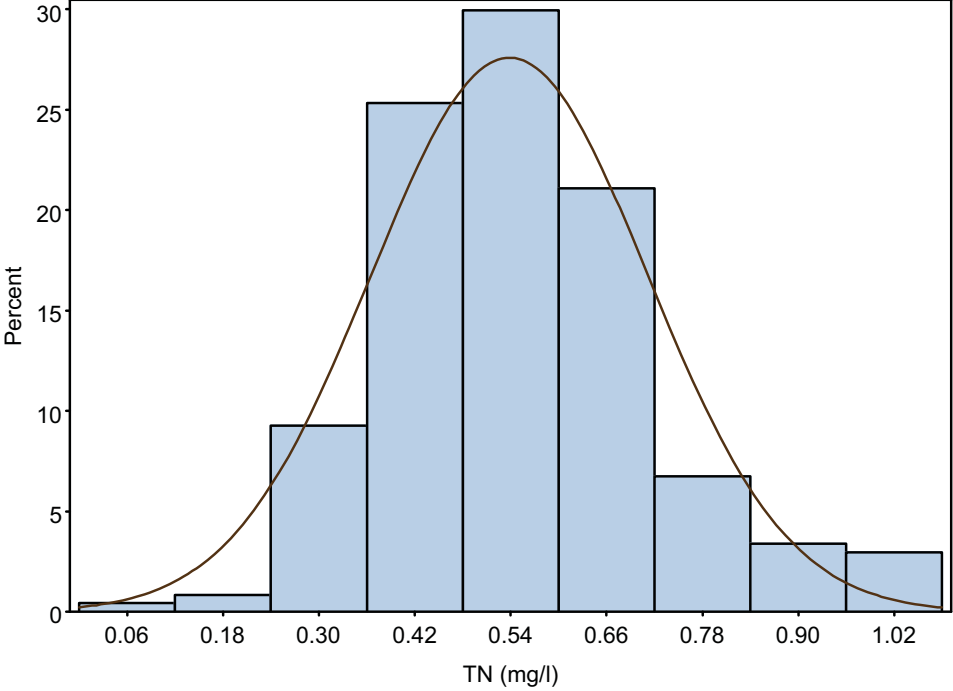
Strata=W3 Station=Clearwater Harbor South - Random

Moments			
N	244	Sum Weights	244
Mean	0.04789754	Sum Observations	11.687
Std Deviation	0.03142543	Variance	0.00098756
Skewness	3.18730931	Kurtosis	18.4461467
Uncorrected SS	0.799755	Corrected SS	0.23997644
Coeff Variation	65.6096842	Std Error Mean	0.00201181

Basic Statistical Measures			
Location		Variability	
Mean	0.047898	Std Deviation	0.03143
Median	0.040000	Variance	0.0009876
Mode	0.020000	Range	0.28000
		Interquartile Range	0.03000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	23.80822	Pr > t <.0001
Sign	M	122	Pr >= M <.0001
Signed Rank	S	14945	Pr >= S <.0001

Strata=W3 Station=Clearwater Harbor South - Random



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.30
99%	0.16
95%	0.10
90%	0.08
75% Q3	0.06
50% Median	0.04
25% Q1	0.03
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	3642	0.14	3158
0.02	3629	0.15	3287
0.02	3628	0.16	3155
0.02	3625	0.18	3029
0.02	3616	0.30	3535

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W3 Station=Clearwater Harbor South - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.538439
Std Dev	Sigma	0.173515

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic		p Value
Kolmogorov-Smirnov	D	0.07681387	Pr > D <0.010
Cramer-von Mises	W-Sq	0.29621488	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	2.06025229	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.17000	0.13478
5.0	0.29000	0.25303
10.0	0.34000	0.31607
25.0	0.42000	0.42141
50.0	0.52000	0.53844
75.0	0.62000	0.65547
90.0	0.76000	0.76081
95.0	0.90000	0.82384
99.0	1.04000	0.94209

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

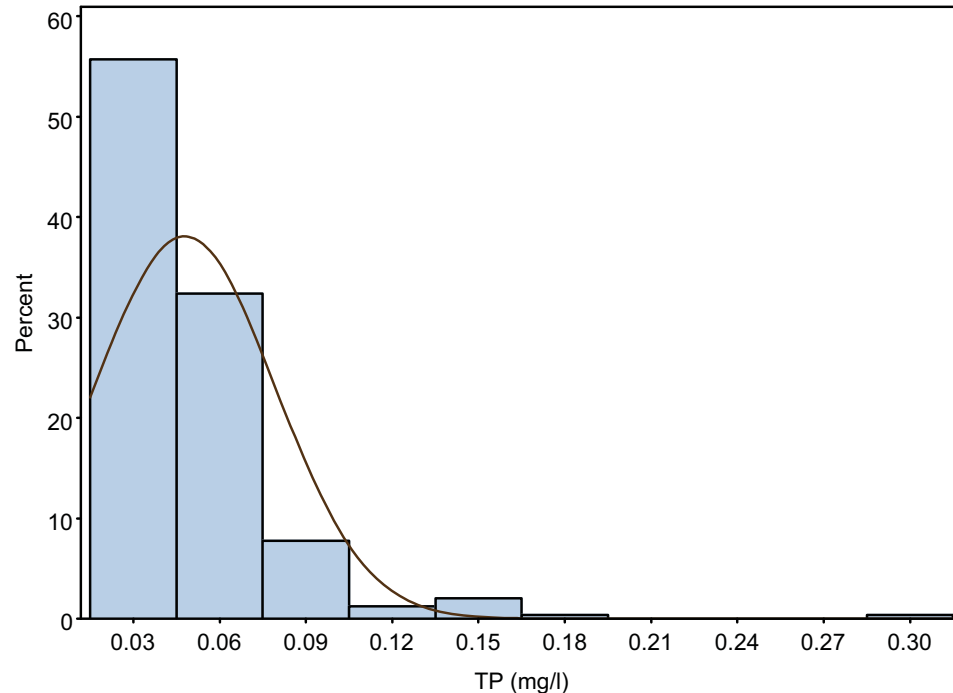
Strata=W3 Station=Clearwater Harbor South - Random

Moments			
N	228	Sum Weights	228
Mean	74.3714912	Sum Observations	16956.7
Std Deviation	13.112082	Variance	171.926695
Skewness	-1.0477084	Kurtosis	1.53487432
Uncorrected SS	1300122.43	Corrected SS	39027.3597
Coeff Variation	17.6305219	Std Error Mean	0.86836884

Basic Statistical Measures			
Location		Variability	
Mean	74.37149	Std Deviation	13.11208
Median	77.45500	Variance	171.92669
Mode	88.61000	Range	82.88000
		Interquartile Range	16.97000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	85.64505	Pr > t	<.0001
Sign	M	114	Pr >= M	<.0001
Signed Rank	S	13053	Pr >= S	<.0001

Strata=W3 Station=Clearwater Harbor South - Random



The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W3 Station=Clearwater Harbor South - Random

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	97.190
99%	96.480
95%	91.790
90%	88.610
75% Q3	83.620
50% Median	77.455
25% Q1	66.650
10%	55.300
5%	49.670
1%	39.270
0% Min	14.310

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
14.31	3569	93.26	3345
35.04	3055	93.65	3594
39.27	3645	96.48	3301
40.84	3029	96.63	3318
42.02	3161	97.19	3350

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W3 Station=Clearwater Harbor South - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.047898
Std Dev	Sigma	0.031425

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1873409	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.8913176	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	11.7910539	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.02521
5.0	0.02000	-0.00379
10.0	0.02000	0.00762
25.0	0.03000	0.02670
50.0	0.04000	0.04790
75.0	0.06000	0.06909
90.0	0.08000	0.08817
95.0	0.10000	0.09959
99.0	0.16000	0.12100

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

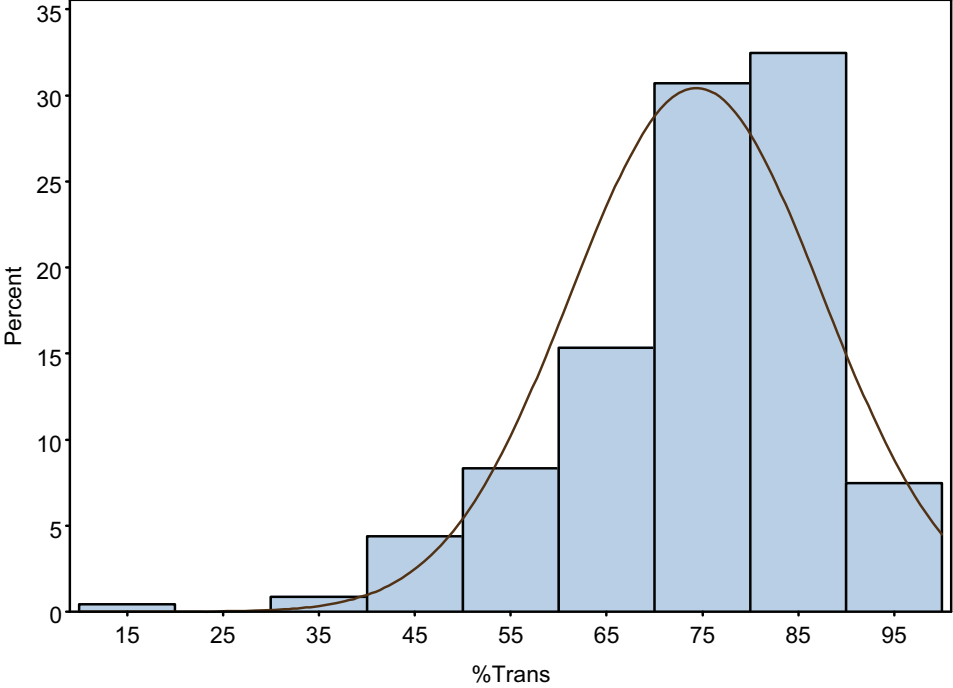
Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Moments			
N	141	Sum Weights	141
Mean	8.61510638	Sum Observations	1214.73
Std Deviation	6.799651	Variance	46.2352537
Skewness	5.89901374	Kurtosis	53.3104594
Uncorrected SS	16937.9637	Corrected SS	6472.93552
Coeff Variation	78.9270695	Std Error Mean	0.57263392

Basic Statistical Measures			
Location		Variability	
Mean	8.615106	Std Deviation	6.79965
Median	7.600000	Variance	46.23525
Mode	7.000000	Range	71.30000
		Interquartile Range	4.80000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	15.0447	Pr > t	<.0001
Sign	M	70.5	Pr >= M	<.0001
Signed Rank	S	5005.5	Pr >= S	<.0001

Strata=W3 Station=Clearwater Harbor South - Random



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	71.9
99%	19.6
95%	17.1
90%	14.2
75% Q3	10.3
50% Median	7.6
25% Q1	5.5
10%	3.3
5%	1.3
1%	0.7
0% Min	0.6

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.6	3943	17.9	3908
0.7	3874	18.2	3670
0.7	3767	19.5	3748
1.0	3841	19.6	3975
1.1	3952	71.9	3937

The UNIVARIATE Procedure
Fitted Normal Distribution for Transmissivity

Strata=W3 Station=Clearwater Harbor South - Random

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	74.37149
Std Dev	Sigma	13.11208

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.12337016	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.75148697	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	4.06173348	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	39.2700	43.8682
5.0	49.6700	52.8040
10.0	55.3000	57.5677
25.0	66.6500	65.5275
50.0	77.4550	74.3715
75.0	83.6200	83.2155
90.0	88.6100	91.1753
95.0	91.7900	95.9389
99.0	96.4800	104.8748

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

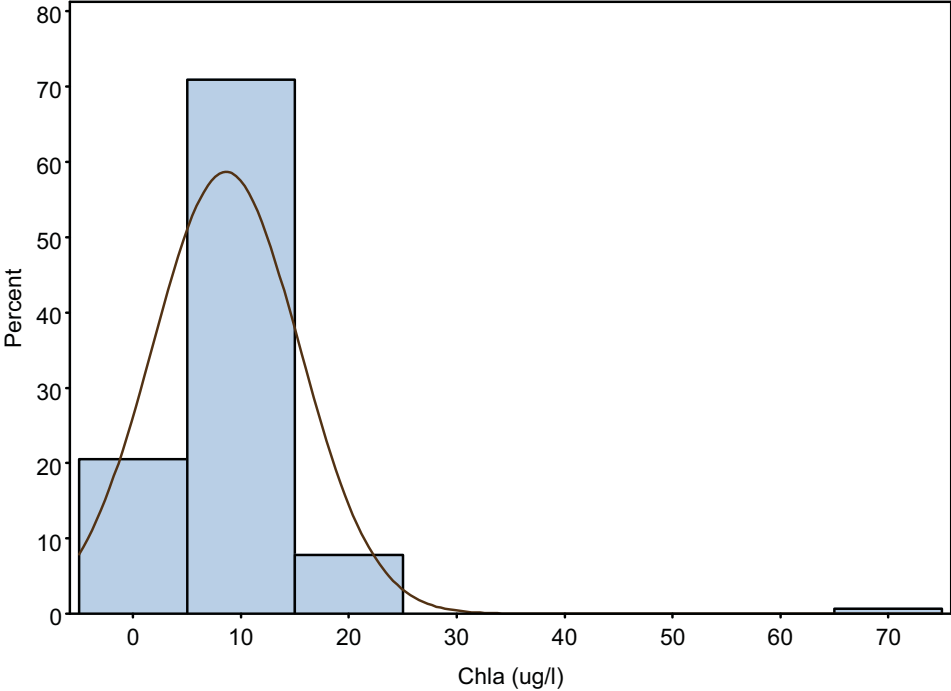
Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Moments			
N	127	Sum Weights	127
Mean	0.56535433	Sum Observations	71.8
Std Deviation	0.24714225	Variance	0.06107929
Skewness	4.04508844	Kurtosis	30.4938254
Uncorrected SS	48.288432	Corrected SS	7.69599106
Coeff Variation	43.7145771	Std Error Mean	0.02193033

Basic Statistical Measures			
Location		Variability	
Mean	0.565354	Std Deviation	0.24714
Median	0.530000	Variance	0.06108
Mode	0.470000	Range	2.51600
		Interquartile Range	0.21000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	25.77956	Pr > t <.0001
Sign	M	63.5	Pr >= M <.0001
Signed Rank	S	4064	Pr >= S <.0001

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	2.520
99%	1.110
95%	0.910
90%	0.790
75% Q3	0.650
50% Median	0.530
25% Q1	0.440
10%	0.330
5%	0.300
1%	0.220
0% Min	0.004

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.004	4011	0.95	3755
0.220	3715	1.00	3901
0.240	3703	1.01	3895
0.250	3775	1.11	3859
0.260	4047	2.52	3820

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	8.615106
Std Dev	Sigma	6.799651

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.15613313	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.27113200	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.77557230	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.70000	-7.20325
5.0	1.30000	-2.56932
10.0	3.30000	-0.09900
25.0	5.50000	4.02881
50.0	7.60000	8.61511
75.0	10.30000	13.20140
90.0	14.20000	17.32921
95.0	17.10000	19.79954
99.0	19.60000	24.43346

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

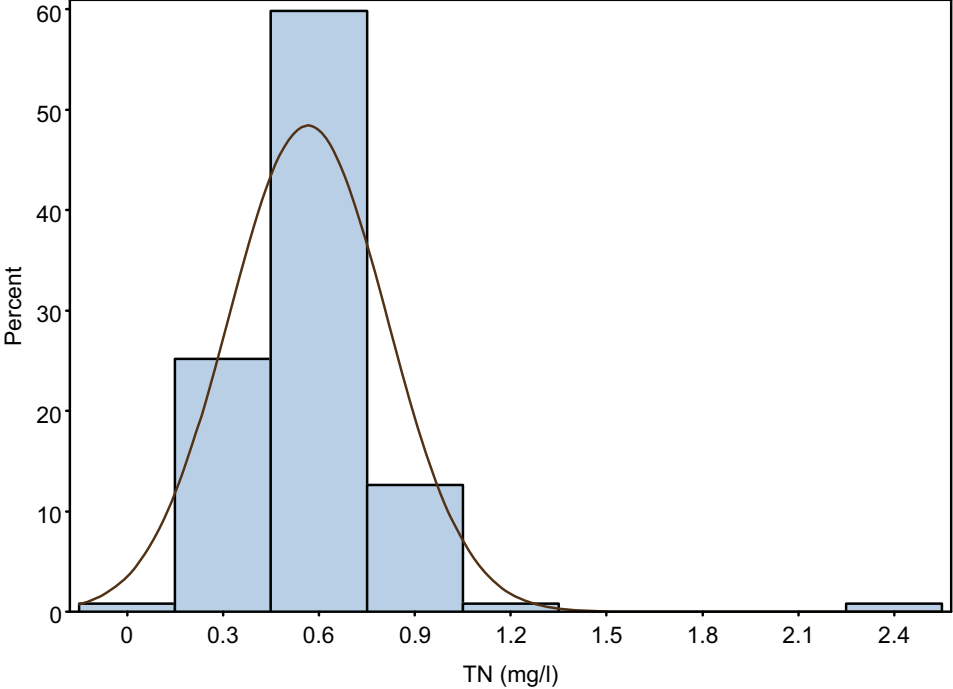
Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Moments			
N	131	Sum Weights	131
Mean	0.06361832	Sum Observations	8.334
Std Deviation	0.04537154	Variance	0.00205858
Skewness	2.93337388	Kurtosis	12.5733567
Uncorrected SS	0.79781	Corrected SS	0.26761492
Coeff Variation	71.3183491	Std Error Mean	0.00396413

Basic Statistical Measures			
Location		Variability	
Mean	0.063618	Std Deviation	0.04537
Median	0.050000	Variance	0.00206
Mode	0.050000	Range	0.32000
		Interquartile Range	0.04000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	16.0485	Pr > t <.0001
Sign	M	65.5	Pr >= M <.0001
Signed Rank	S	4323	Pr >= S <.0001

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.34
99%	0.23
95%	0.13
90%	0.10
75% Q3	0.08
50% Median	0.05
25% Q1	0.04
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	4065	0.18	3742
0.02	4062	0.22	3730
0.02	4059	0.22	3865
0.02	4047	0.23	3721
0.02	4026	0.34	3708

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.565354
Std Dev	Sigma	0.247142

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.15489104	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.79979690	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	4.85558541	Pr > A-Sq	<0.005

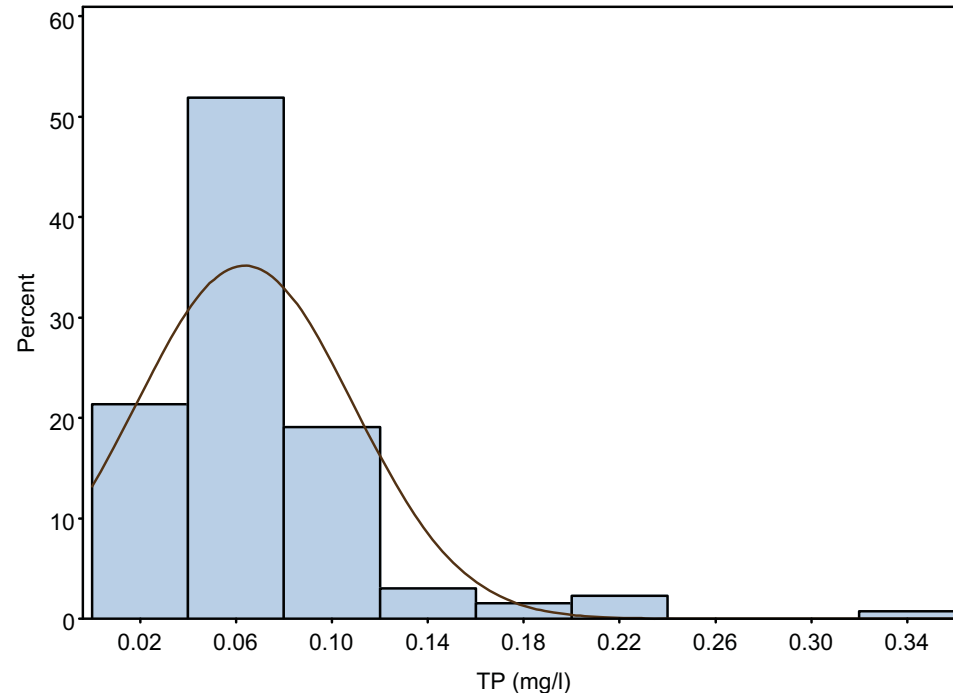
Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.22000	-0.00958
5.0	0.30000	0.15884
10.0	0.33000	0.24863
25.0	0.44000	0.39866
50.0	0.53000	0.56535
75.0	0.65000	0.73205
90.0	0.79000	0.88208
95.0	0.91000	0.97187
99.0	1.11000	1.14029

The UNIVARIATE Procedure
Variable: *Transmissivity (%Trans)*

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	442	100.00	100.00

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01



The UNIVARIATE Procedure
Variable: *Chl_a (Chla (ug/l))*

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Moments			
N	70	Sum Weights	70
Mean	6.82885714	Sum Observations	478.02
Std Deviation	3.46554199	Variance	12.0099813
Skewness	0.73527564	Kurtosis	0.4902672
Uncorrected SS	4093.019	Corrected SS	828.688709
Coeff Variation	50.7484915	Std Error Mean	0.41421149

Basic Statistical Measures			
Location		Variability	
Mean	6.828857	Std Deviation	3.46554
Median	6.550000	Variance	12.00998
Mode	2.000000	Range	16.20000
		Interquartile Range	4.80000

Note: The mode displayed is the smallest of 2 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	16.4864	Pr > t	<.0001
Sign	M	35	Pr >= M	<.0001
Signed Rank	S	1242.5	Pr >= S	<.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W3 Station=Clearwater Harbor South - Fixed 55-01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.063618
Std Dev	Sigma	0.045372

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.18063640	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.30021801	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	7.84401050	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.04193
5.0	0.02000	-0.01101
10.0	0.02000	0.00547
25.0	0.04000	0.03302
50.0	0.05000	0.06362
75.0	0.08000	0.09422
90.0	0.10000	0.12176
95.0	0.13000	0.13825
99.0	0.23000	0.16917

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.828857
Std Dev	Sigma	3.465542

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08483139	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.07625449	Pr > W-Sq	0.234
Anderson-Darling	A-Sq	0.58706279	Pr > A-Sq	0.127

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.50000	-1.23320
5.0	2.00000	1.12855
10.0	2.27500	2.38759
25.0	4.30000	4.49138
50.0	6.55000	6.82886
75.0	9.10000	9.16633
90.0	11.00000	11.27013
95.0	13.00000	12.52917
99.0	17.70000	14.89091

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	17.700
99%	17.700
95%	13.000
90%	11.000
75% Q3	9.100
50% Median	6.550
25% Q1	4.300
10%	2.275
5%	2.000
1%	1.500
0% Min	1.500

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1.5	4188	12.6	4131
2.0	4297	13.0	4271
2.0	4279	14.3	4245
2.0	4119	15.5	4236
2.2	4152	17.7	4203

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

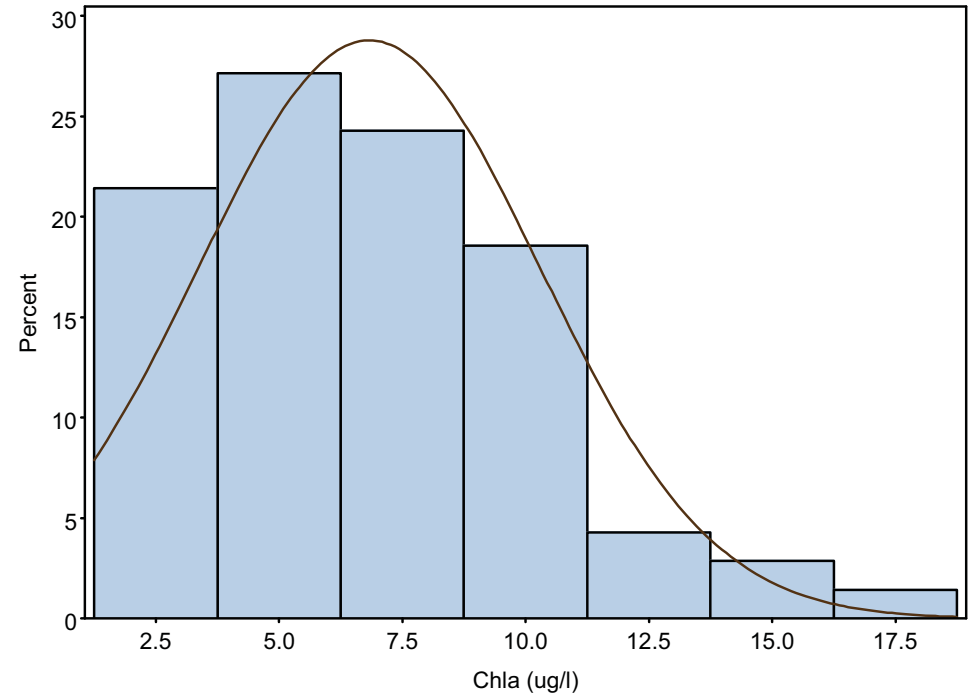
Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Moments			
N	61	Sum Weights	61
Mean	0.48272131	Sum Observations	29.446
Std Deviation	0.1656595	Variance	0.02744307
Skewness	0.13610325	Kurtosis	0.00034449
Uncorrected SS	15.860796	Corrected SS	1.64658426
Coeff Variation	34.317835	Std Error Mean	0.02121053

Basic Statistical Measures			
Location		Variability	
Mean	0.482721	Std Deviation	0.16566
Median	0.460000	Variance	0.02744
Mode	0.540000	Range	0.79000
		Interquartile Range	0.19000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	22.75857	Pr > t <.0001
Sign	M	30.5	Pr >= M <.0001
Signed Rank	S	945.5	Pr >= S <.0001

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02



The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.482721
Std Dev	Sigma	0.16566

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08607243	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06579369	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.33976105	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.07000	0.09734
5.0	0.25000	0.21024
10.0	0.28000	0.27042
25.0	0.40000	0.37099
50.0	0.46000	0.48272
75.0	0.59000	0.59446
90.0	0.68000	0.69502
95.0	0.77000	0.75521
99.0	0.86000	0.86810

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.86
99%	0.86
95%	0.77
90%	0.68
75% Q3	0.59
50% Median	0.46
25% Q1	0.40
10%	0.28
5%	0.25
1%	0.07
0% Min	0.07

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.07	4125	0.73	4179
0.16	4119	0.77	4209
0.21	4224	0.79	4137
0.25	4248	0.85	4215
0.26	4206	0.86	4218

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

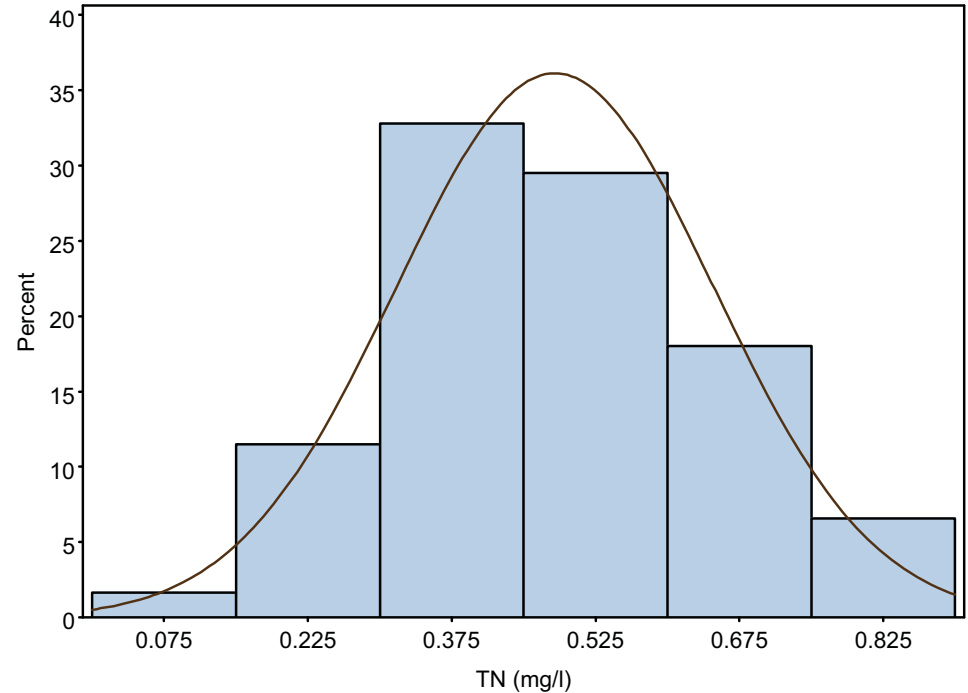
Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Moments			
N	66	Sum Weights	66
Mean	0.05731818	Sum Observations	3.783
Std Deviation	0.05105266	Variance	0.00260637
Skewness	3.70138623	Kurtosis	19.0655238
Uncorrected SS	0.386249	Corrected SS	0.16941432
Coeff Variation	89.0688761	Std Error Mean	0.00628415

Basic Statistical Measures			
Location		Variability	
Mean	0.057318	Std Deviation	0.05105
Median	0.050000	Variance	0.00261
Mode	0.020000	Range	0.34000
		Interquartile Range	0.05000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	9.121074	Pr > t <.0001
Sign	M	33	Pr >= M <.0001
Signed Rank	S	1105.5	Pr >= S <.0001

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02



The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.057318
Std Dev	Sigma	0.051053

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.23239743	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.86821336	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	5.14661212	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.06145
5.0	0.02000	-0.02666
10.0	0.02000	-0.00811
25.0	0.02000	0.02288
50.0	0.05000	0.05732
75.0	0.07000	0.09175
90.0	0.10000	0.12274
95.0	0.13000	0.14129
99.0	0.36000	0.17608

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.36
99%	0.36
95%	0.13
90%	0.10
75% Q3	0.07
50% Median	0.05
25% Q1	0.02
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

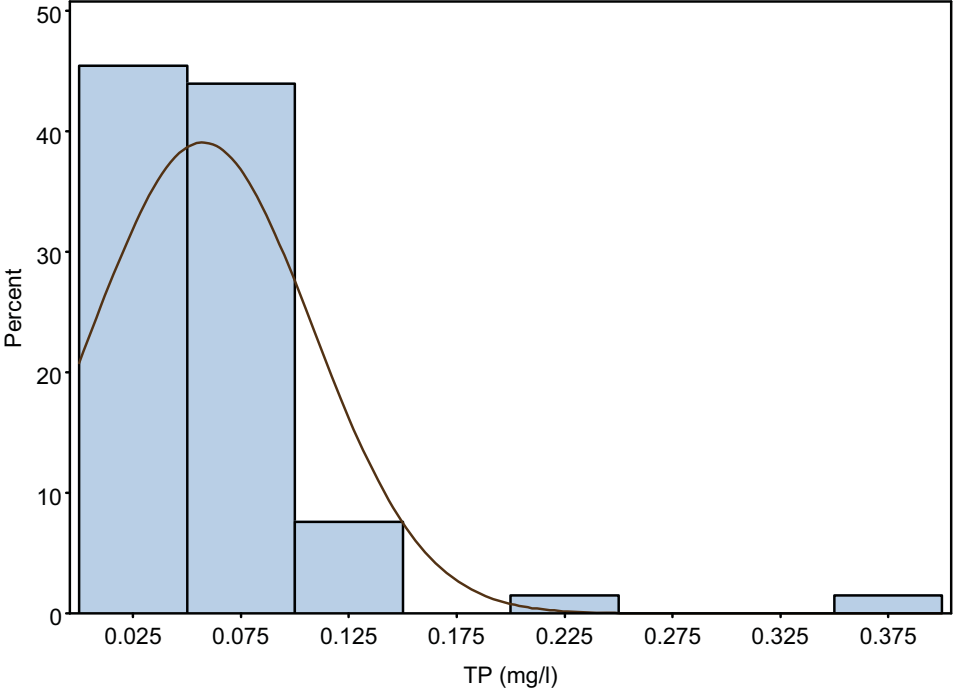
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	4303	0.13	4131
0.02	4300	0.13	4146
0.02	4297	0.13	4212
0.02	4291	0.20	4128
0.02	4285	0.36	4121

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

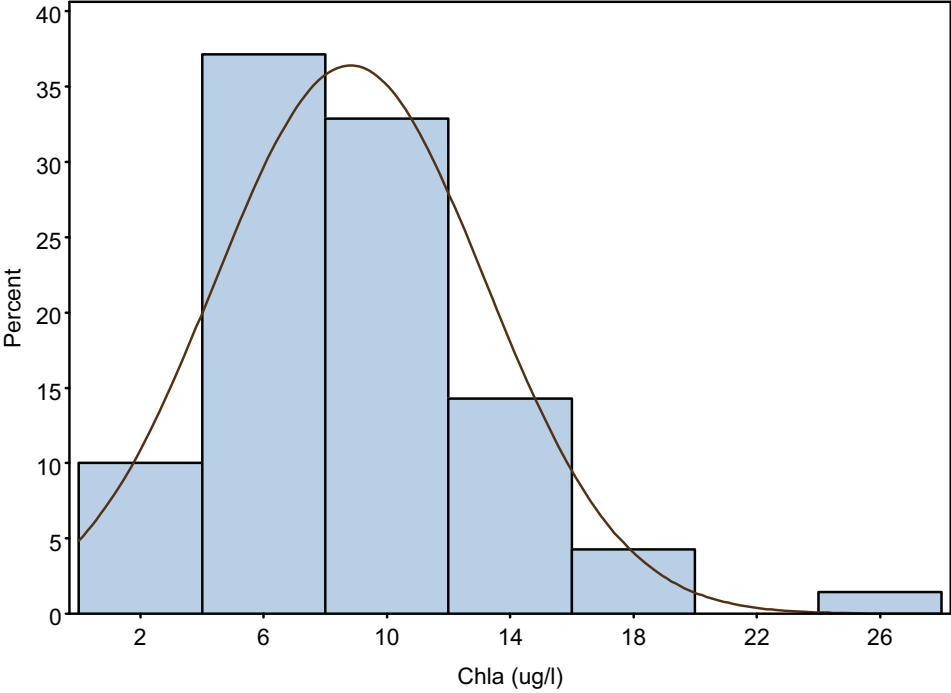
Strata=W3 Station=Clearwater Harbor South - Fixed 55-02

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	220	100.00	100.00

Strata=W3 Station=Clearwater Harbor South - Fixed 55-02



Strata=W3 Station=Clearwater Harbor South - Fixed 55-03



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Moments			
N	70	Sum Weights	70
Mean	8.81071429	Sum Observations	616.75
Std Deviation	4.38425752	Variance	19.221714
Skewness	1.09378908	Kurtosis	2.24250625
Uncorrected SS	6760.3063	Corrected SS	1326.29826
Coeff Variation	49.7605231	Std Error Mean	0.524019

Basic Statistical Measures			
Location		Variability	
Mean	8.810714	Std Deviation	4.38426
Median	8.050000	Variance	19.22171
Mode	5.000000	Range	24.80000
		Interquartile Range	5.00000

Note: The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	16.81373	Pr > t	<.0001
Sign	M	35	Pr >= M	<.0001
Signed Rank	S	1242.5	Pr >= S	<.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	8.810714
Std Dev	Sigma	4.384258

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.11703727	Pr > D	0.018
Cramer-von Mises	W-Sq	0.18349520	Pr > W-Sq	0.009
Anderson-Darling	A-Sq	1.01365975	Pr > A-Sq	0.011

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-1.38859
5.0	2.70000	1.59925
10.0	3.98000	3.19206
25.0	6.10000	5.85358
50.0	8.05000	8.81071
75.0	11.10000	11.76785
90.0	14.80000	14.42937
95.0	17.30000	16.02218
99.0	25.80000	19.01002

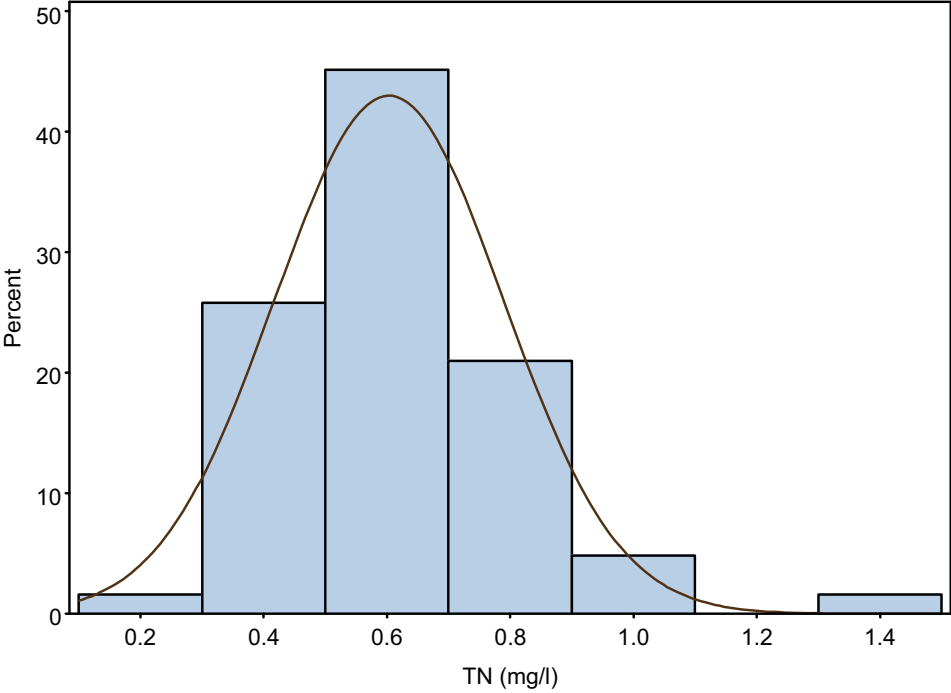
The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	25.80
99%	25.80
95%	17.30
90%	14.80
75% Q3	11.10
50% Median	8.05
25% Q1	6.10
10%	3.98
5%	2.70
1%	1.00
0% Min	1.00

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1.0	4498	15.2	4450
2.1	4405	17.3	4417
2.1	4369	17.4	4510
2.7	4515	18.4	4348
2.9	4366	25.8	4435

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Moments			
N	62	Sum Weights	62
Mean	0.60332258	Sum Observations	37.406
Std Deviation	0.18553739	Variance	0.03442412
Skewness	1.34509376	Kurtosis	4.27129954
Uncorrected SS	24.667756	Corrected SS	2.09987155
Coeff Variation	30.752602	Std Error Mean	0.02356327

Basic Statistical Measures			
Location		Variability	
Mean	0.603323	Std Deviation	0.18554
Median	0.570000	Variance	0.03442
Mode	0.560000	Range	1.11000
		Interquartile Range	0.24000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	25.60436	Pr > t <.0001
Sign	M	31	Pr >= M <.0001
Signed Rank	S	976.5	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.603323
Std Dev	Sigma	0.185537

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09322072	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.09380158	Pr > W-Sq	0.136
Anderson-Darling	A-Sq	0.67072723	Pr > A-Sq	0.080

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.29000	0.17170
5.0	0.36000	0.29814
10.0	0.42000	0.36555
25.0	0.48000	0.47818
50.0	0.57000	0.60332
75.0	0.72000	0.72847
90.0	0.81000	0.84110
95.0	0.90000	0.90850
99.0	1.40000	1.03495

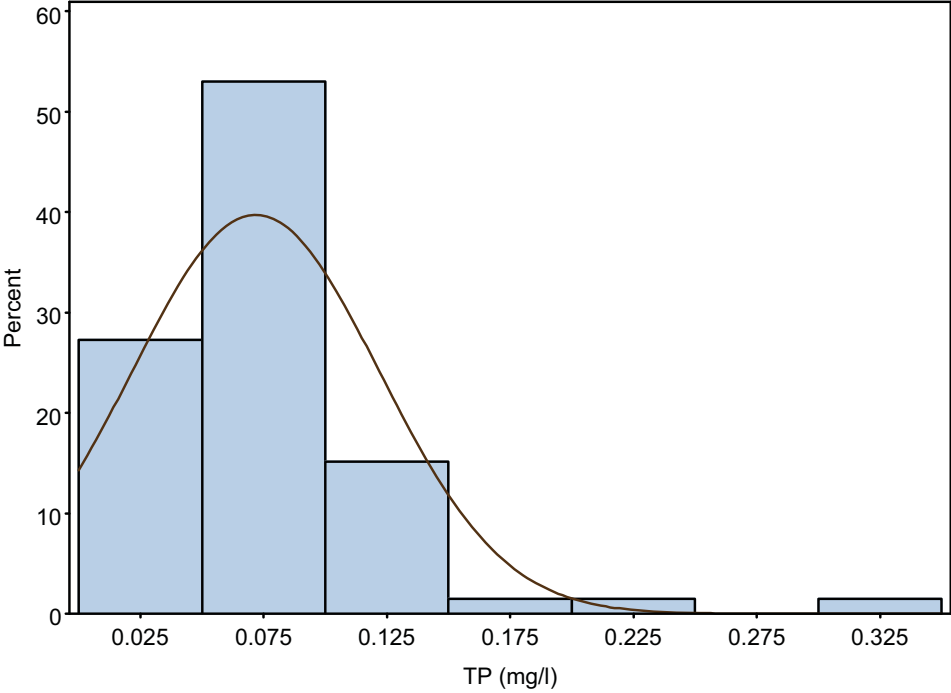
The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.40
99%	1.40
95%	0.90
90%	0.81
75% Q3	0.72
50% Median	0.57
25% Q1	0.48
10%	0.42
5%	0.36
1%	0.29
0% Min	0.29

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.29	4342	0.87	4510
0.30	4337	0.90	4426
0.33	4498	0.90	4432
0.36	4474	0.95	4360
0.39	4462	1.40	4357

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Moments			
N	66	Sum Weights	66
Mean	0.07177273	Sum Observations	4.737
Std Deviation	0.05021823	Variance	0.00252187
Skewness	2.96673861	Kurtosis	13.1022348
Uncorrected SS	0.503909	Corrected SS	0.16392159
Coeff Variation	69.9684016	Std Error Mean	0.00618144

Basic Statistical Measures			
Location		Variability	
Mean	0.071773	Std Deviation	0.05022
Median	0.060000	Variance	0.00252
Mode	0.050000	Range	0.32000
		Interquartile Range	0.05000

Tests for Location: Mu0=0			
Test	Statistic		p Value
Student's t	t	11.61101	Pr > t <.0001
Sign	M	33	Pr >= M <.0001
Signed Rank	S	1105.5	Pr >= S <.0001

The UNIVARIATE Procedure
Fitted Normal Distribution for TP

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.071773
Std Dev	Sigma	0.050218

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.16220506	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.50462258	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.31742477	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.04505
5.0	0.02000	-0.01083
10.0	0.02000	0.00742
25.0	0.04000	0.03790
50.0	0.06000	0.07177
75.0	0.09000	0.10564
90.0	0.12000	0.13613
95.0	0.13000	0.15437
99.0	0.34000	0.18860

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.34
99%	0.34
95%	0.13
90%	0.12
75% Q3	0.09
50% Median	0.06
25% Q1	0.04
10%	0.02
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	4498	0.12	4389
0.02	4495	0.13	4420
0.02	4483	0.15	4357
0.02	4480	0.24	4345
0.02	4423	0.34	4338

The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	25.000
99%	25.000
95%	16.400
90%	14.250
75% Q3	11.500
50% Median	7.985
25% Q1	5.400
10%	3.550
5%	1.500
1%	1.200
0% Min	1.200

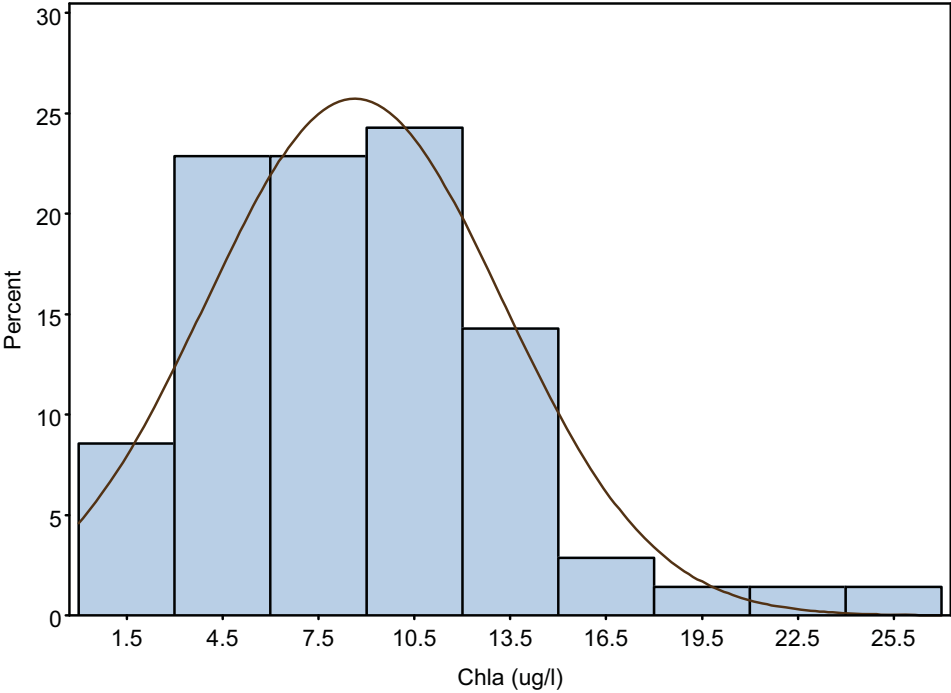
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1.2	4587	15.5	4581
1.3	4626	16.4	4578
1.4	4590	18.9	4730
1.5	4718	21.4	4542
2.1	4607	25.0	4656

The UNIVARIATE Procedure
Variable: Transmissivity (%Trans)

Strata=W3 Station=Clearwater Harbor South - Fixed 55-03

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	218	100.00	100.00

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02



The UNIVARIATE Procedure
Variable: Chl_a (Chla (ug/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Moments			
N	70	Sum Weights	70
Mean	8.635	Sum Observations	604.45
Std Deviation	4.65285723	Variance	21.6490804
Skewness	0.92454315	Kurtosis	1.57015449
Uncorrected SS	6713.2123	Corrected SS	1493.78655
Coeff Variation	53.883697	Std Error Mean	0.55612281

Basic Statistical Measures			
Location		Variability	
Mean	8.635000	Std Deviation	4.65286
Median	7.985000	Variance	21.64908
Mode	3.700000	Range	23.80000
		Interquartile Range	6.10000

Note: The mode displayed is the smallest of 11 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	15.52715	Pr > t	<.0001
Sign	M	35	Pr >= M	<.0001
Signed Rank	S	1242.5	Pr >= S	<.0001

The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.040
99%	1.040
95%	0.860
90%	0.840
75% Q3	0.710
50% Median	0.585
25% Q1	0.460
10%	0.370
5%	0.350
1%	0.170
0% Min	0.170

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.17	4563	0.85	4656
0.30	4694	0.86	4617
0.30	4554	0.91	4581
0.35	4671	0.92	4730
0.35	4557	1.04	4709

The UNIVARIATE Procedure
Fitted Normal Distribution for Chl_a

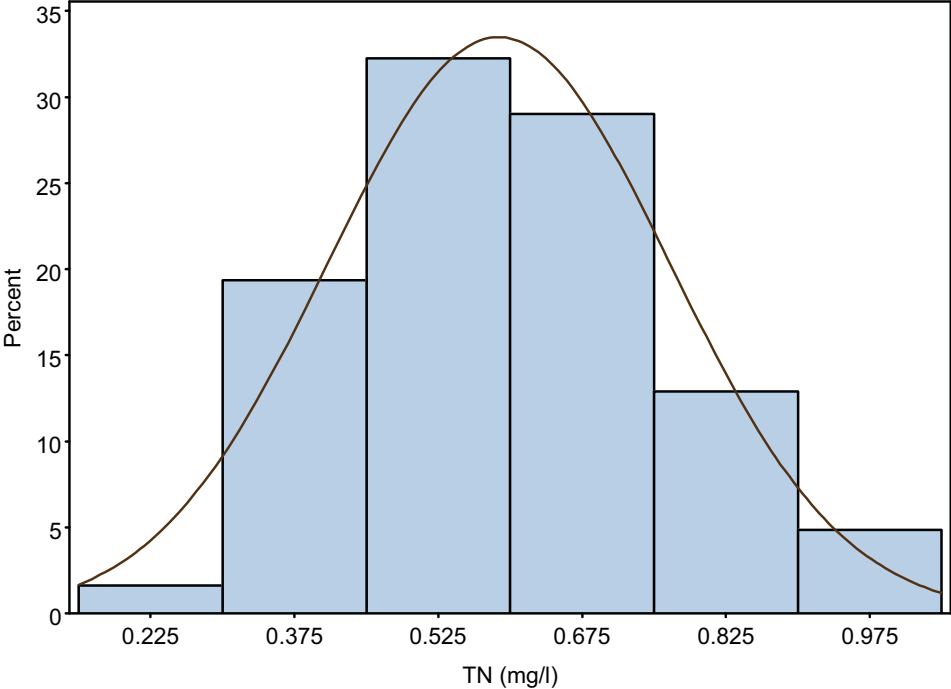
Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	8.635
Std Dev	Sigma	4.652857

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08234605	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.08085063	Pr > W-Sq	0.206
Anderson-Darling	A-Sq	0.63340544	Pr > A-Sq	0.096

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.20000	-2.18916
5.0	1.50000	0.98173
10.0	3.55000	2.67212
25.0	5.40000	5.49670
50.0	7.98500	8.63500
75.0	11.50000	11.77330
90.0	14.25000	14.59788
95.0	16.40000	16.28827
99.0	25.00000	19.45916

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02



The UNIVARIATE Procedure
Variable: TN (TN (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Moments			
N	62	Sum Weights	62
Mean	0.58803226	Sum Observations	36.458
Std Deviation	0.17873893	Variance	0.03194761
Skewness	0.23432019	Kurtosis	-0.3490497
Uncorrected SS	23.387284	Corrected SS	1.94880394
Coeff Variation	30.3961099	Std Error Mean	0.02269987

Basic Statistical Measures			
Location		Variability	
Mean	0.588032	Std Deviation	0.17874
Median	0.585000	Variance	0.03195
Mode	0.460000	Range	0.87000
		Interquartile Range	0.25000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	25.90466	Pr > t <.0001
Sign	M	31	Pr >= M <.0001
Signed Rank	S	976.5	Pr >= S <.0001

The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.36
99%	0.36
95%	0.14
90%	0.12
75% Q3	0.09
50% Median	0.07
25% Q1	0.05
10%	0.03
5%	0.02
1%	0.02
0% Min	0.02

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.02	4703	0.13	4748
0.02	4700	0.14	4656
0.02	4644	0.20	4578
0.02	4632	0.25	4566
0.02	4629	0.36	4559

The UNIVARIATE Procedure
Fitted Normal Distribution for TN

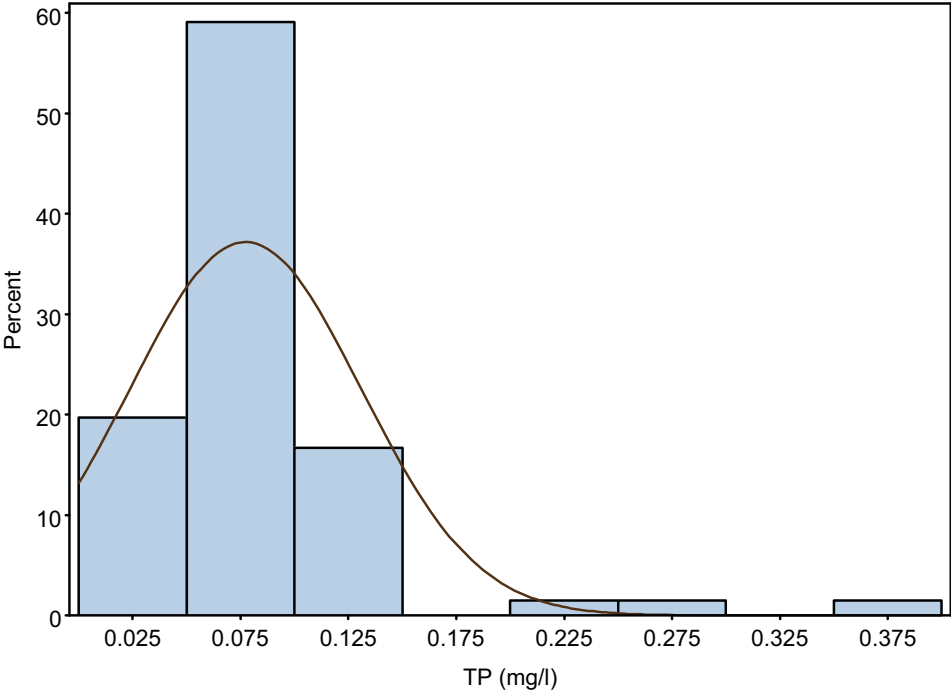
Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.588032
Std Dev	Sigma	0.178739

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10427267	Pr > D	0.092
Cramer-von Mises	W-Sq	0.08005203	Pr > W-Sq	0.211
Anderson-Darling	A-Sq	0.45879786	Pr > A-Sq	>0.250

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.17000	0.17222
5.0	0.35000	0.29403
10.0	0.37000	0.35897
25.0	0.46000	0.46747
50.0	0.58500	0.58803
75.0	0.71000	0.70859
90.0	0.84000	0.81710
95.0	0.86000	0.88203
99.0	1.04000	1.00384

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02



The UNIVARIATE Procedure
Variable: TP (TP (mg/l))

Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

Moments			
N	66	Sum Weights	66
Mean	0.07733333	Sum Observations	5.104
Std Deviation	0.05366372	Variance	0.00287979
Skewness	2.93228889	Kurtosis	12.3977717
Uncorrected SS	0.581896	Corrected SS	0.18718667
Coeff Variation	69.3927417	Std Error Mean	0.00660555

Basic Statistical Measures			
Location		Variability	
Mean	0.077333	Std Deviation	0.05366
Median	0.070000	Variance	0.00288
Mode	0.050000	Range	0.34000
		Interquartile Range	0.04000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	11.70733	Pr > t <.0001
Sign	M	33	Pr >= M <.0001
Signed Rank	S	1105.5	Pr >= S <.0001

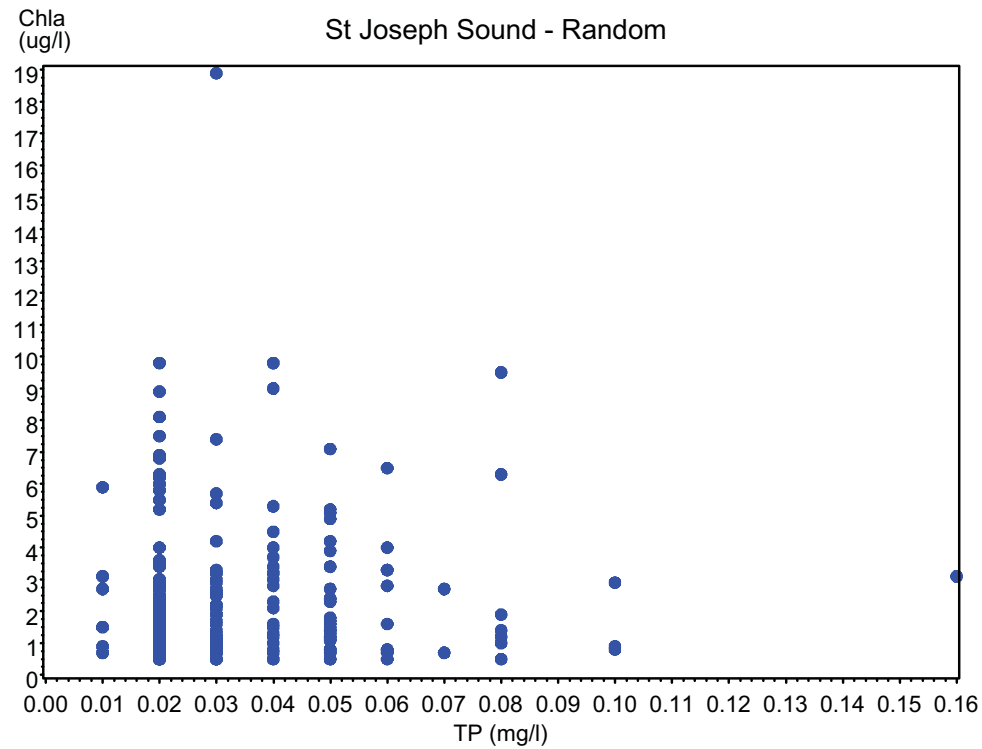
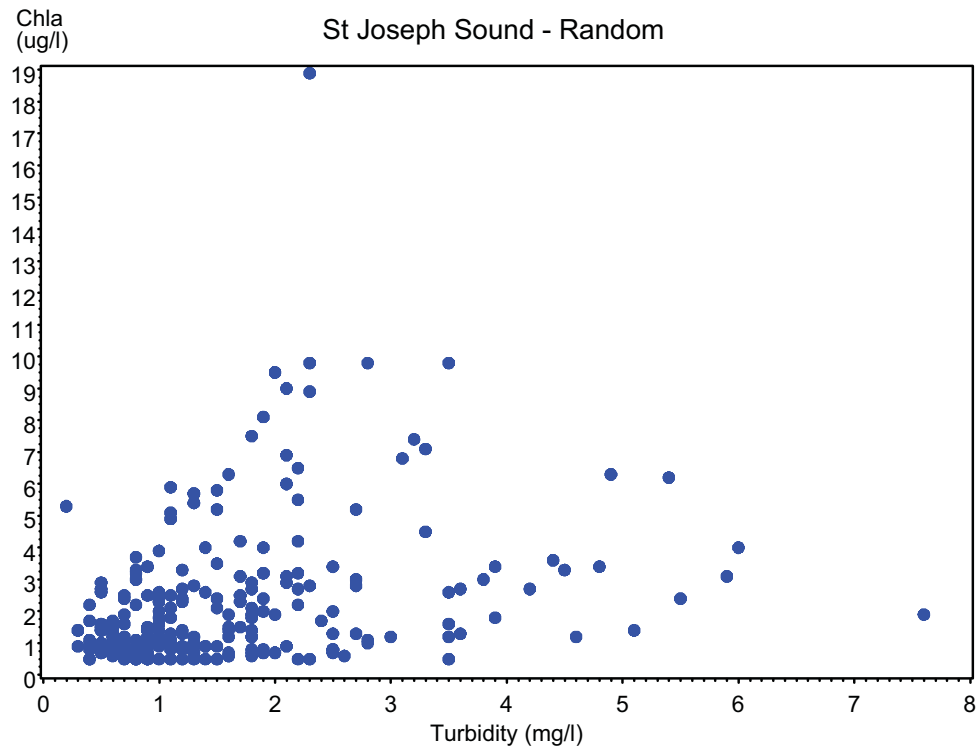
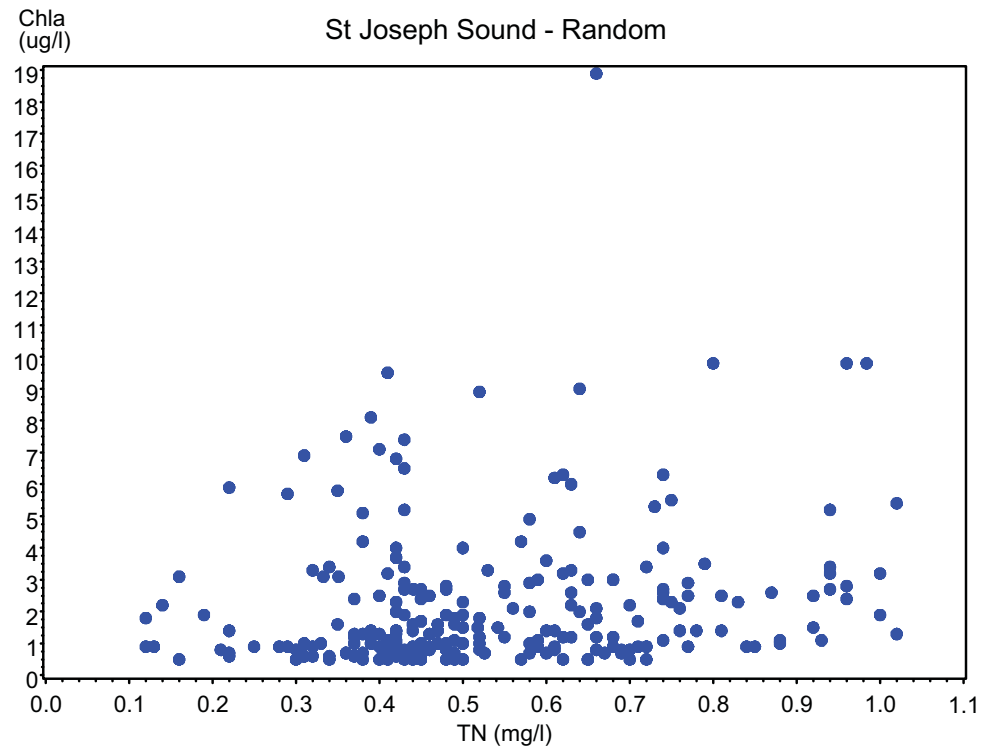
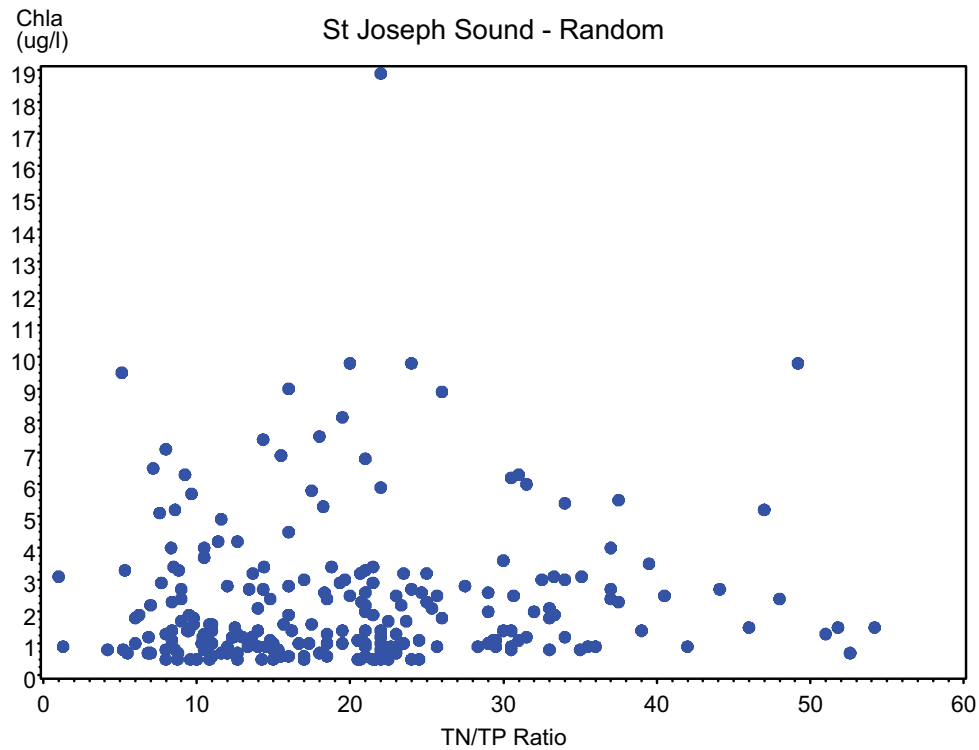
The UNIVARIATE Procedure
Fitted Normal Distribution for TP

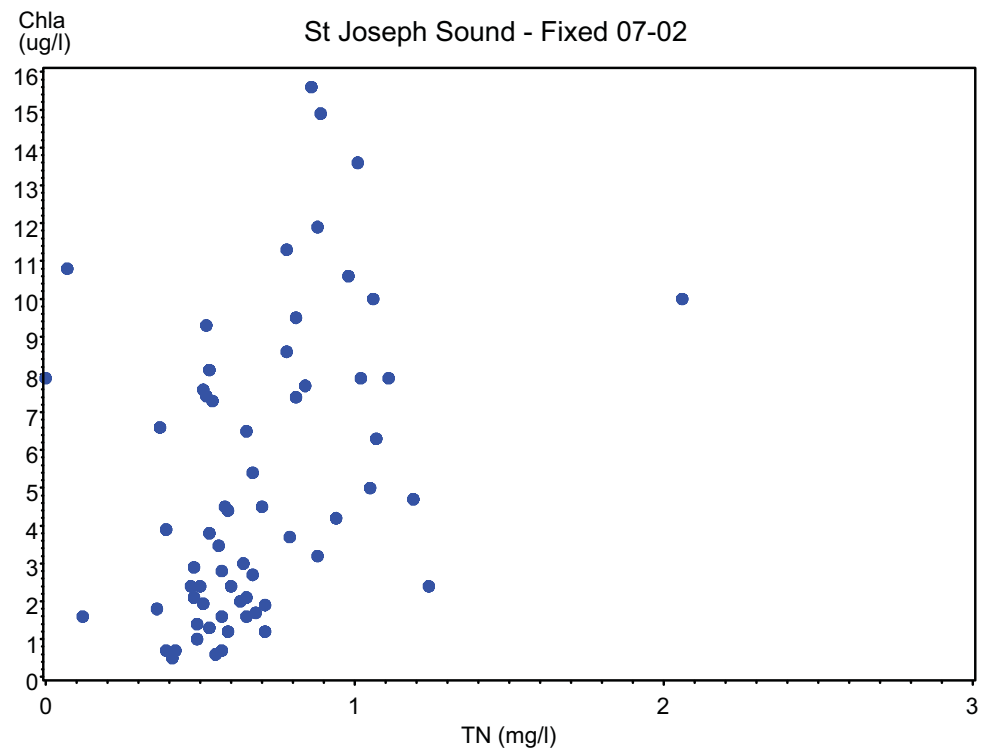
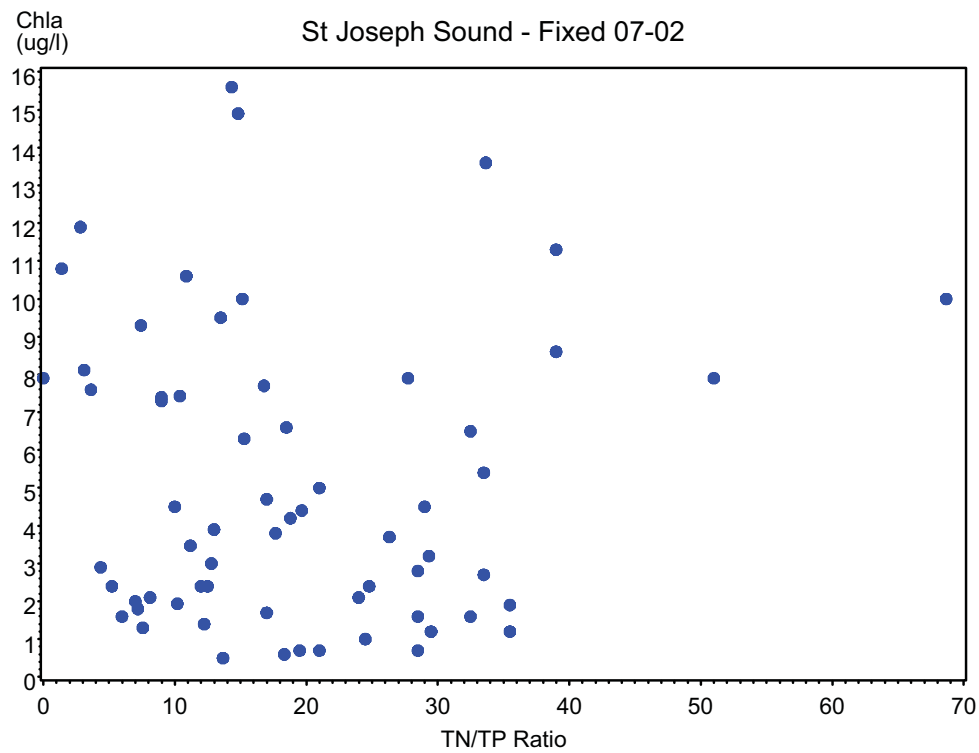
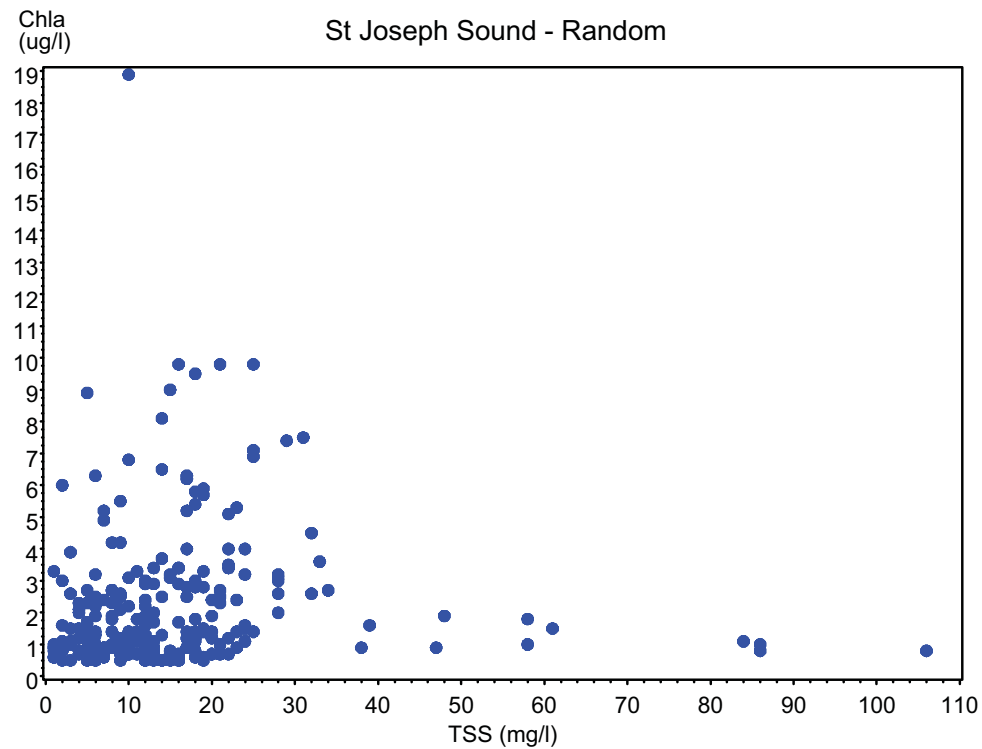
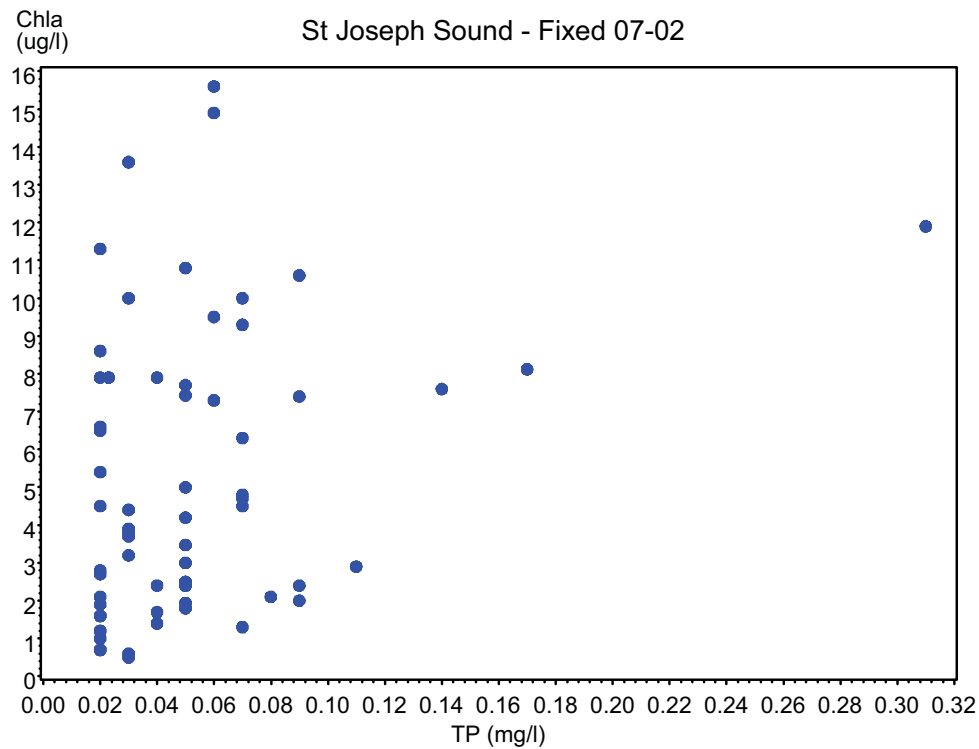
Strata=W3 Station=Clearwater Harbor South - Fixed 56-02

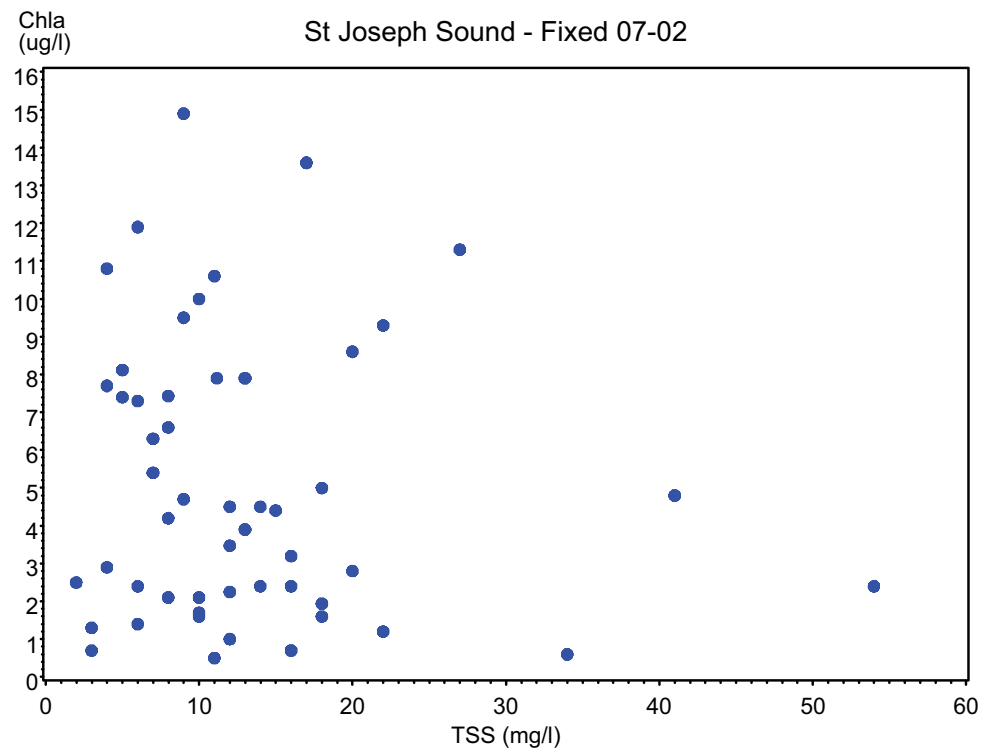
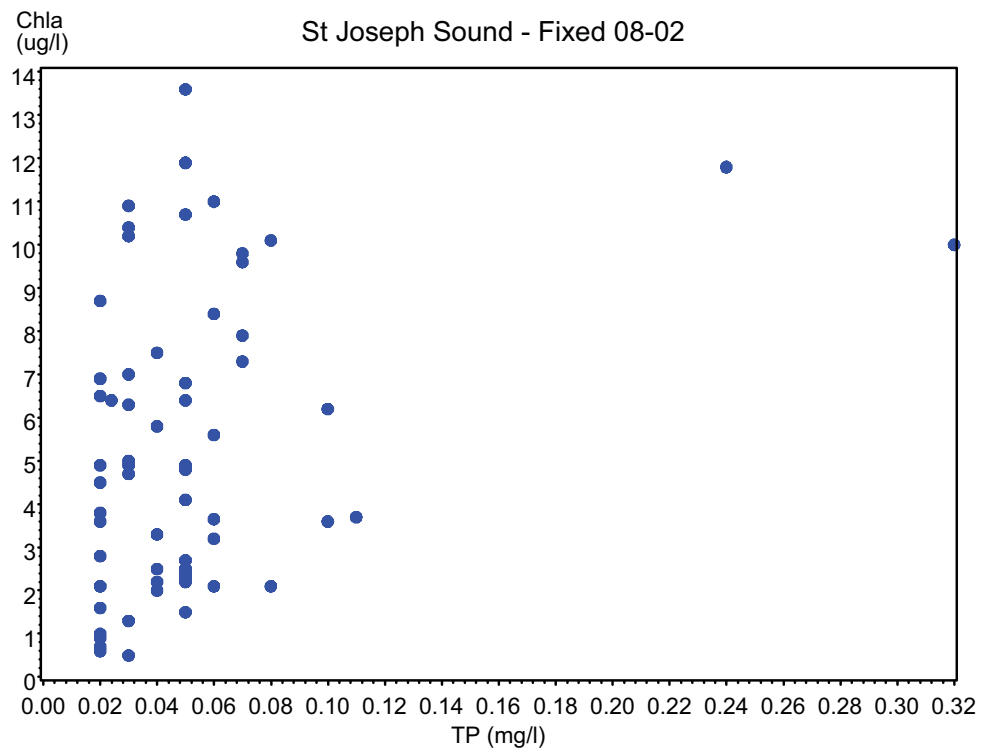
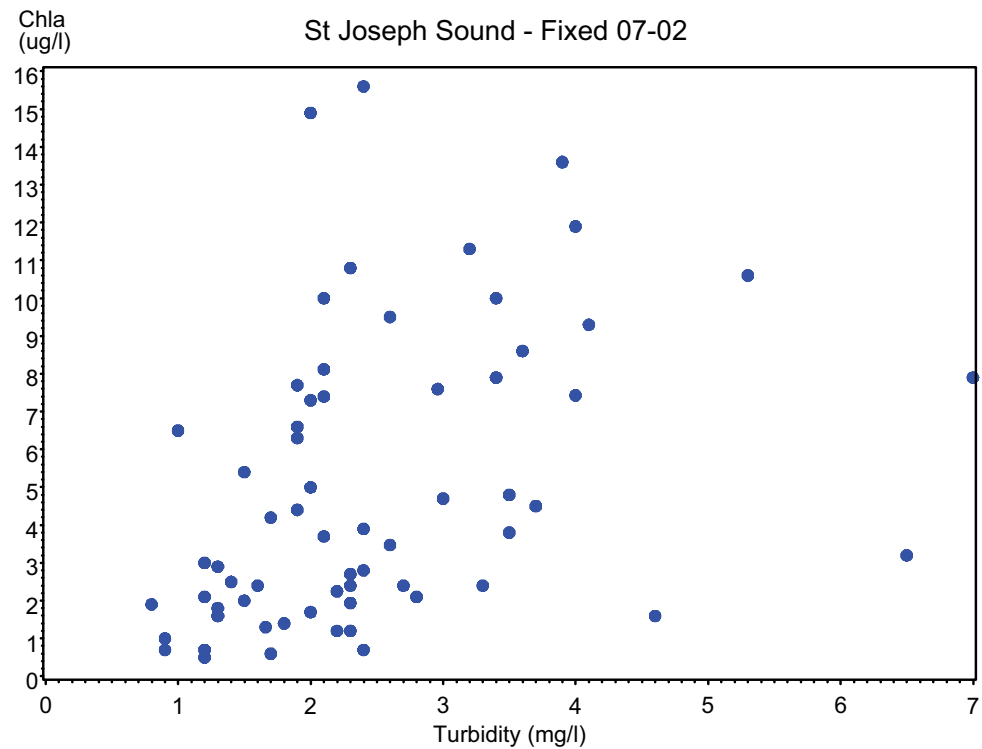
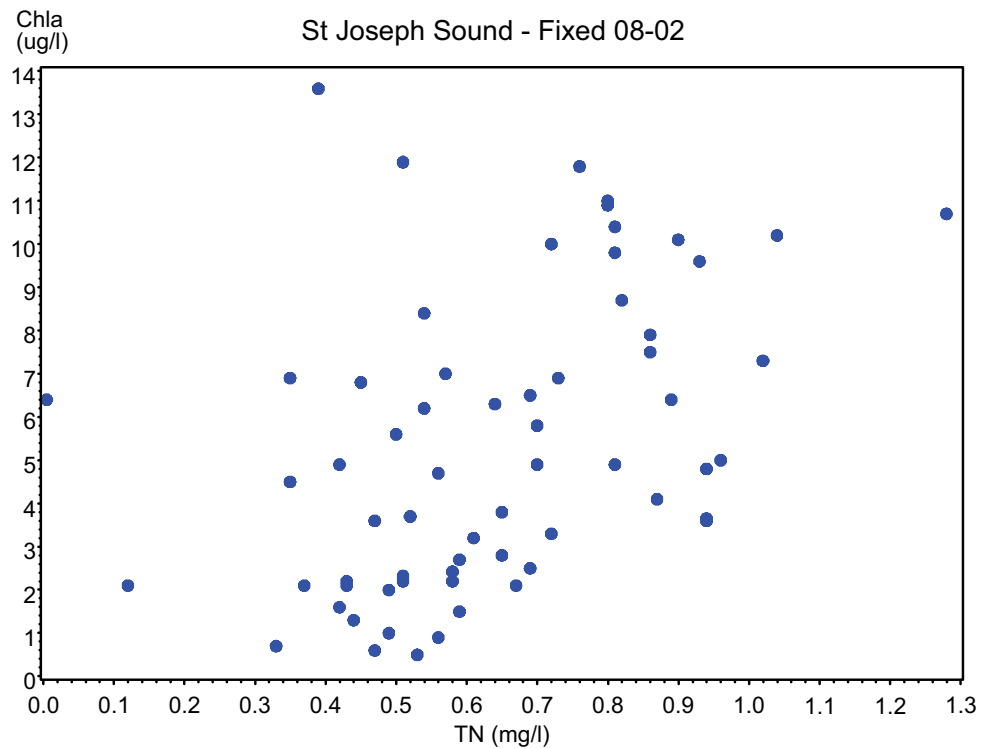
Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.077333
Std Dev	Sigma	0.053664

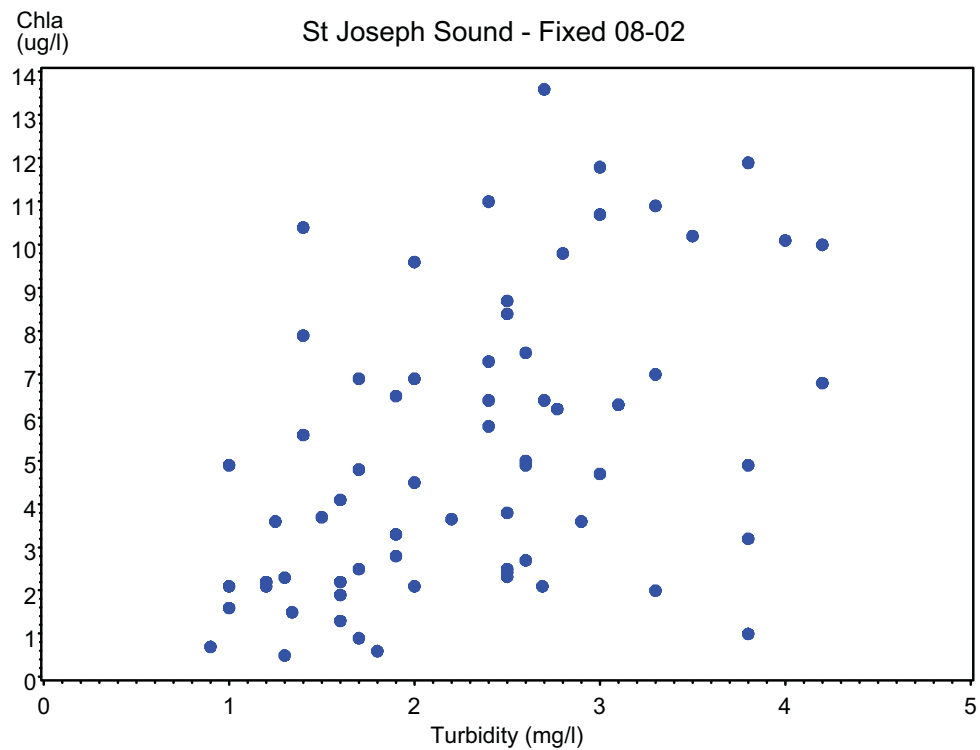
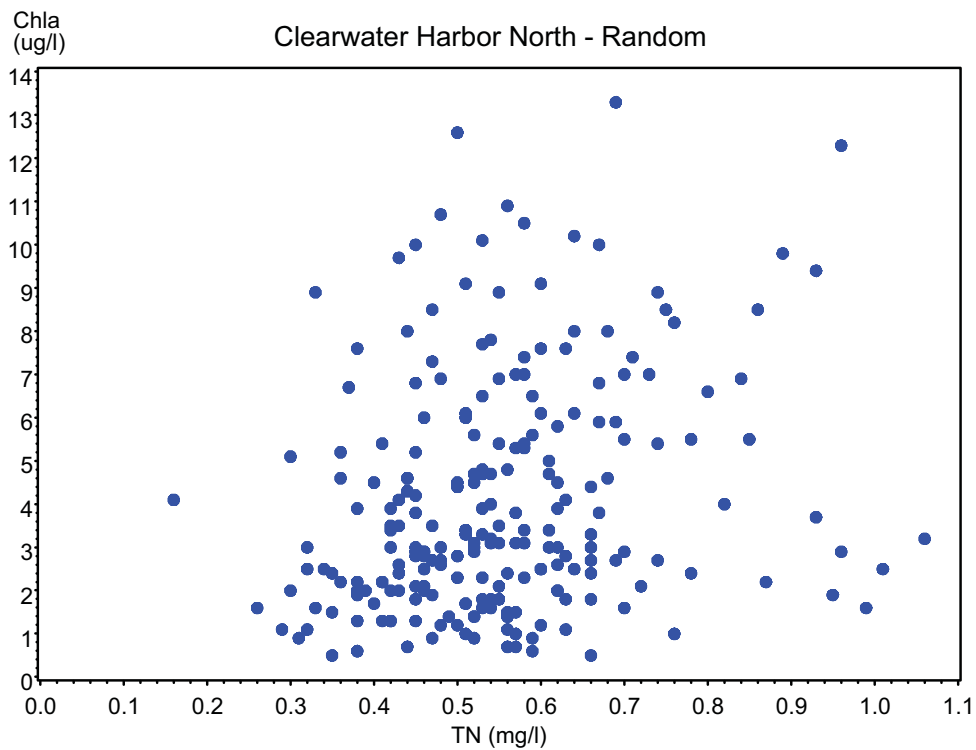
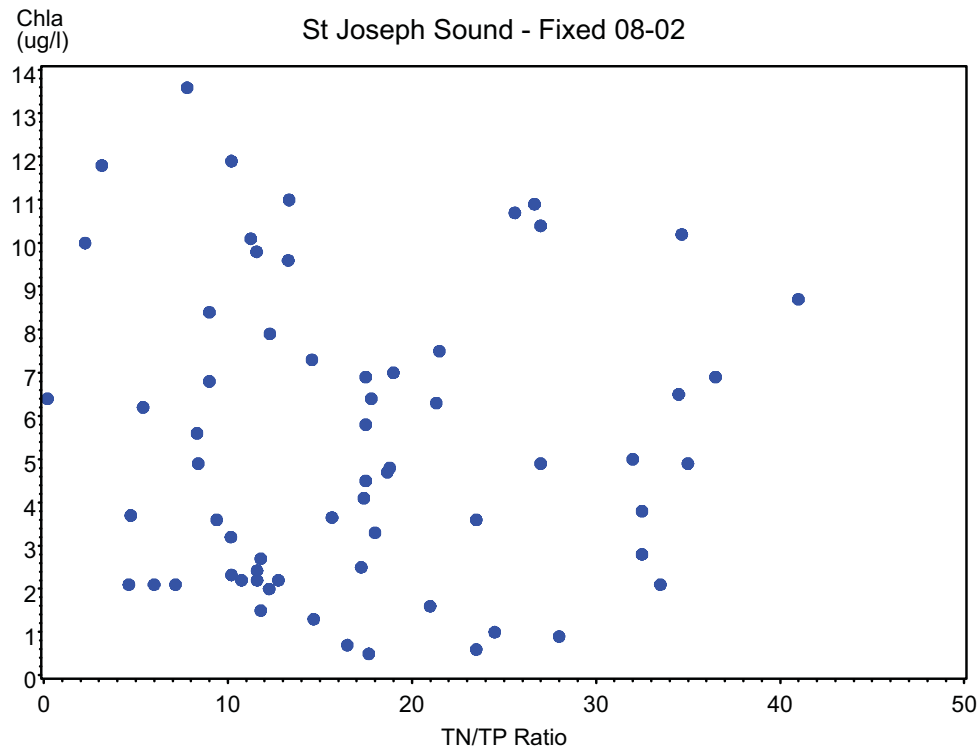
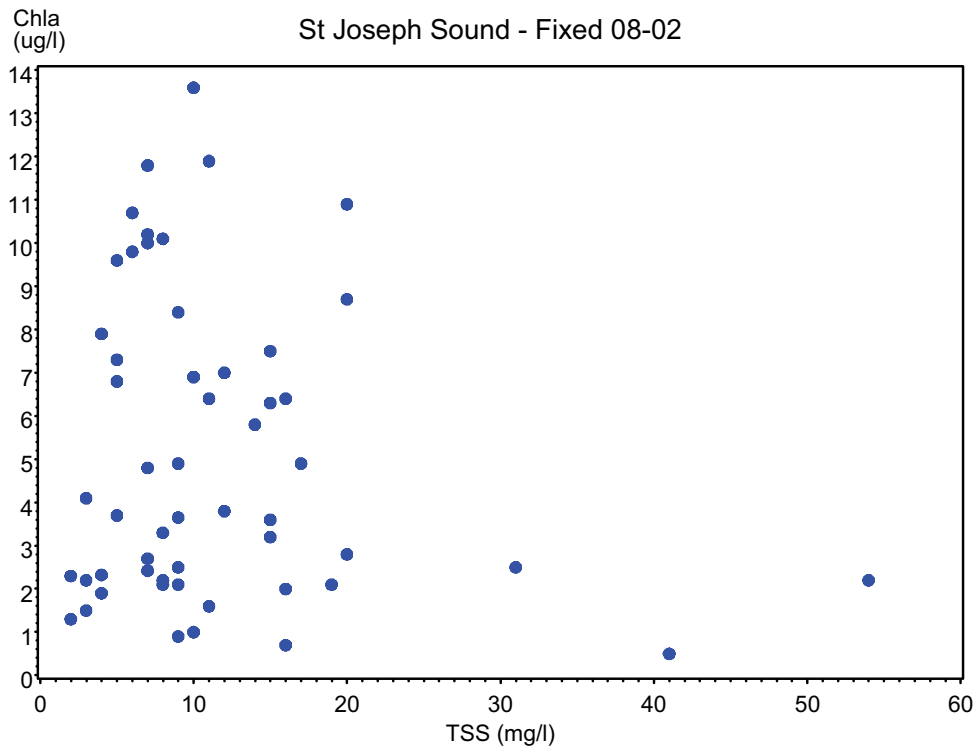
Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.19458046	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.60781175	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	3.73820081	Pr > A-Sq	<0.005

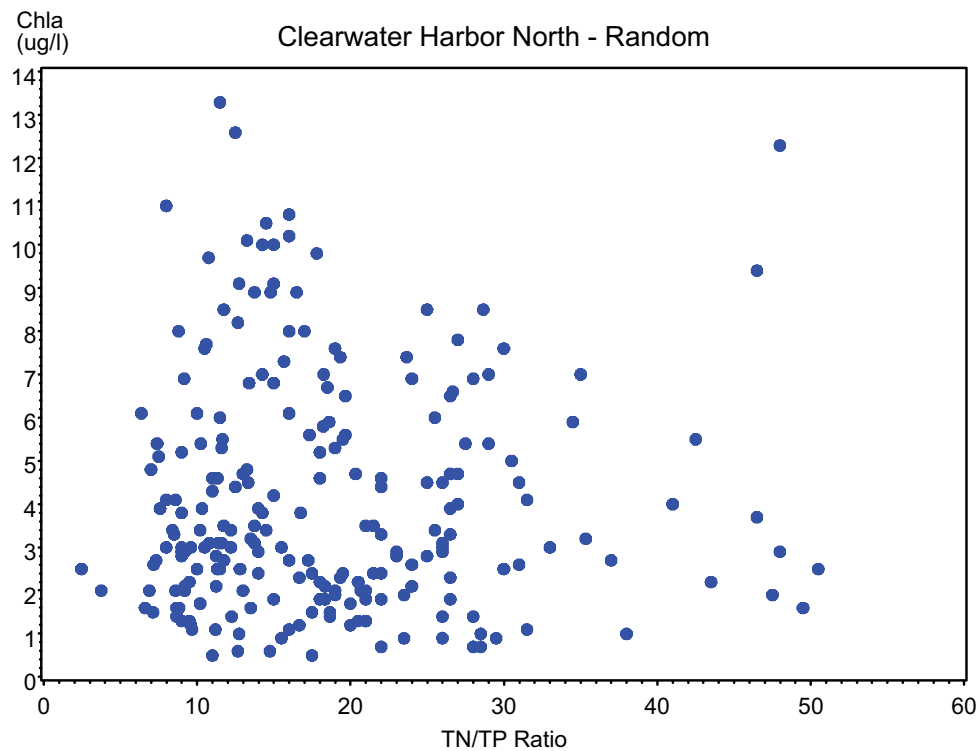
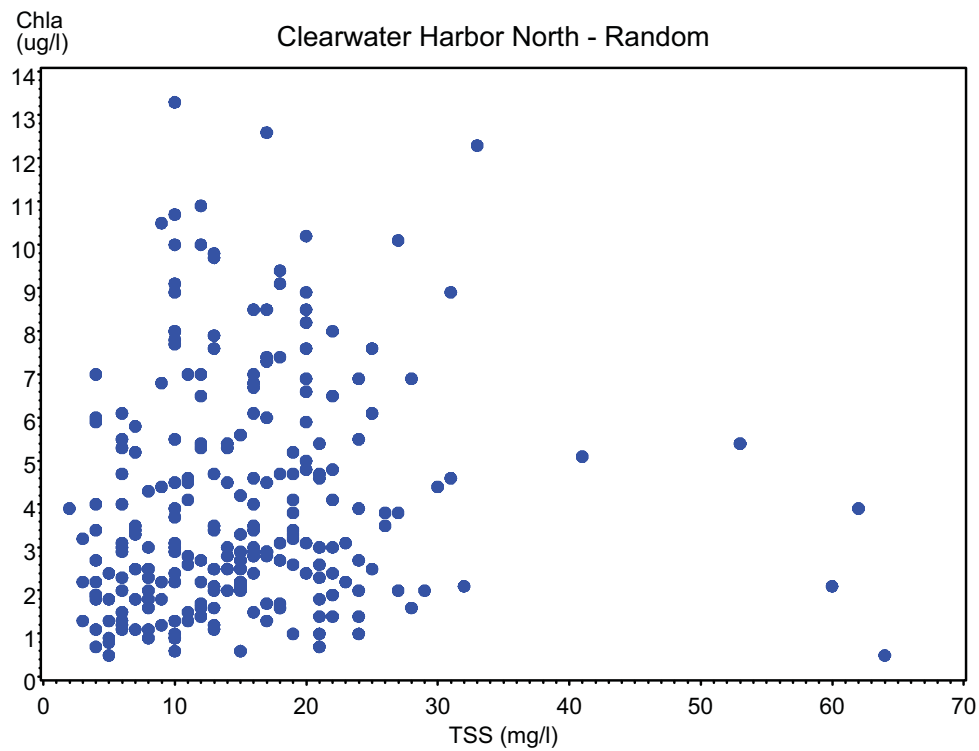
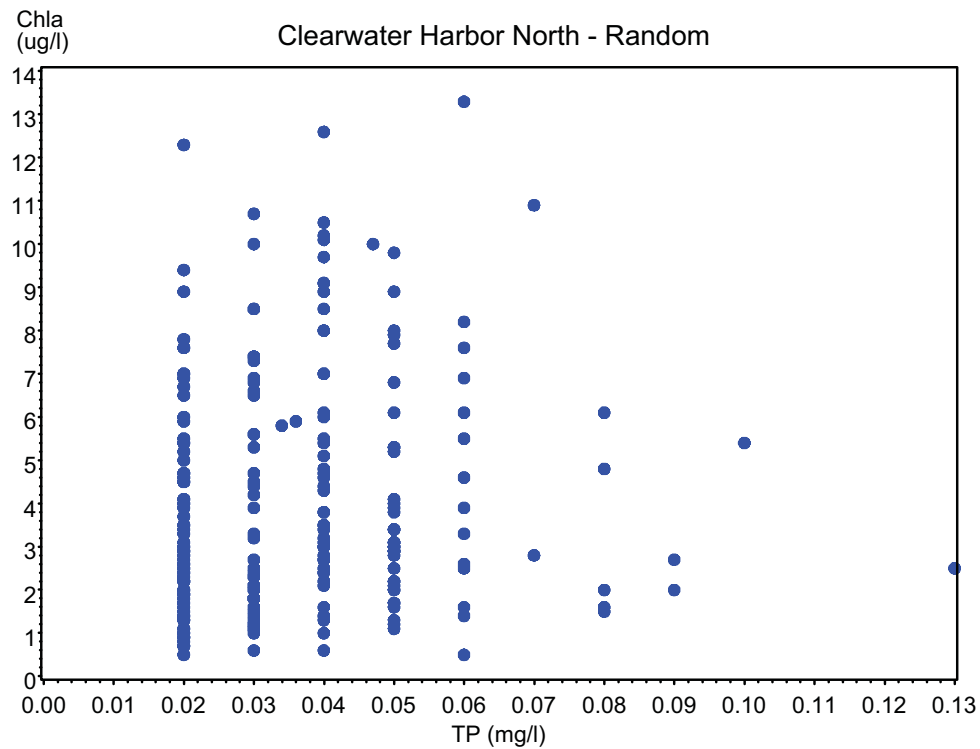
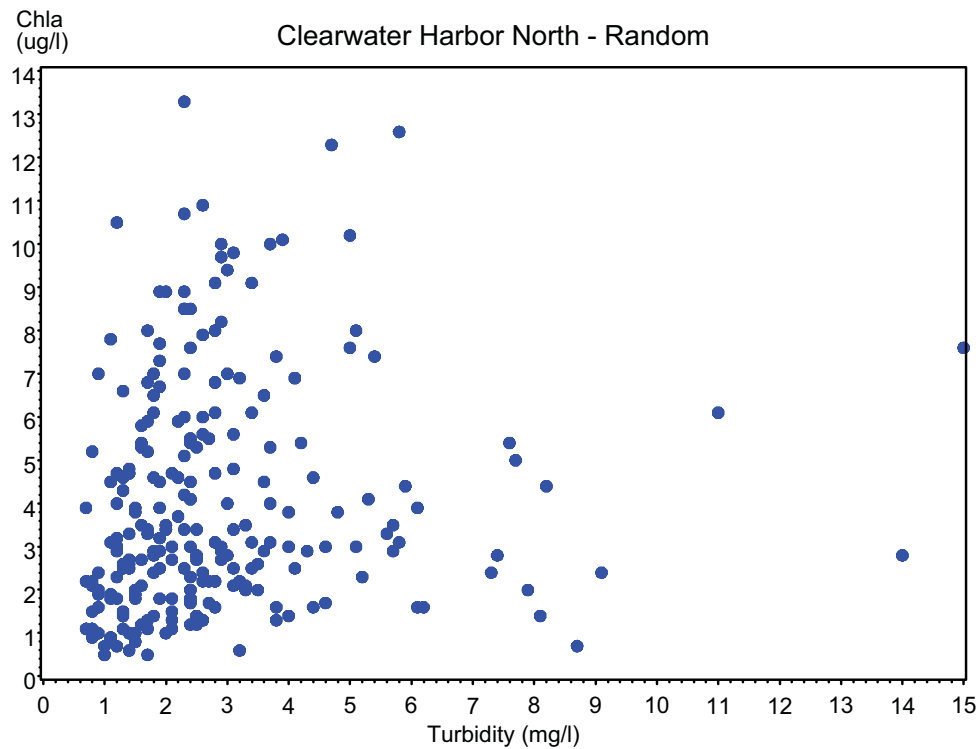
Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.02000	-0.04751
5.0	0.02000	-0.01094
10.0	0.03000	0.00856
25.0	0.05000	0.04114
50.0	0.07000	0.07733
75.0	0.09000	0.11353
90.0	0.12000	0.14611
95.0	0.14000	0.16560
99.0	0.36000	0.20217

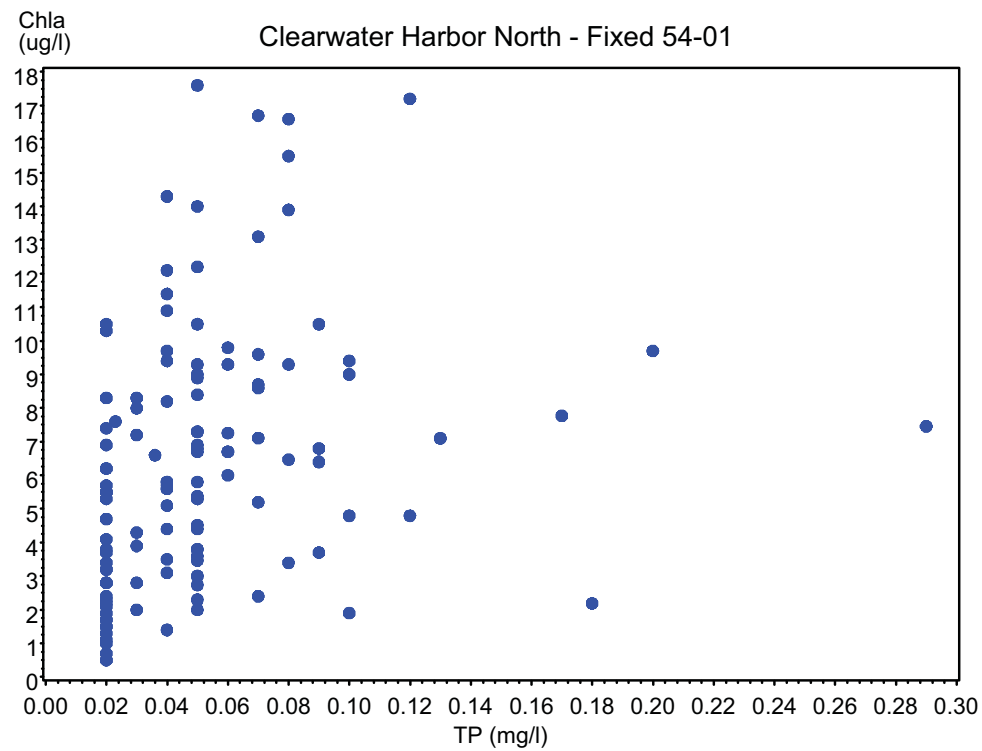
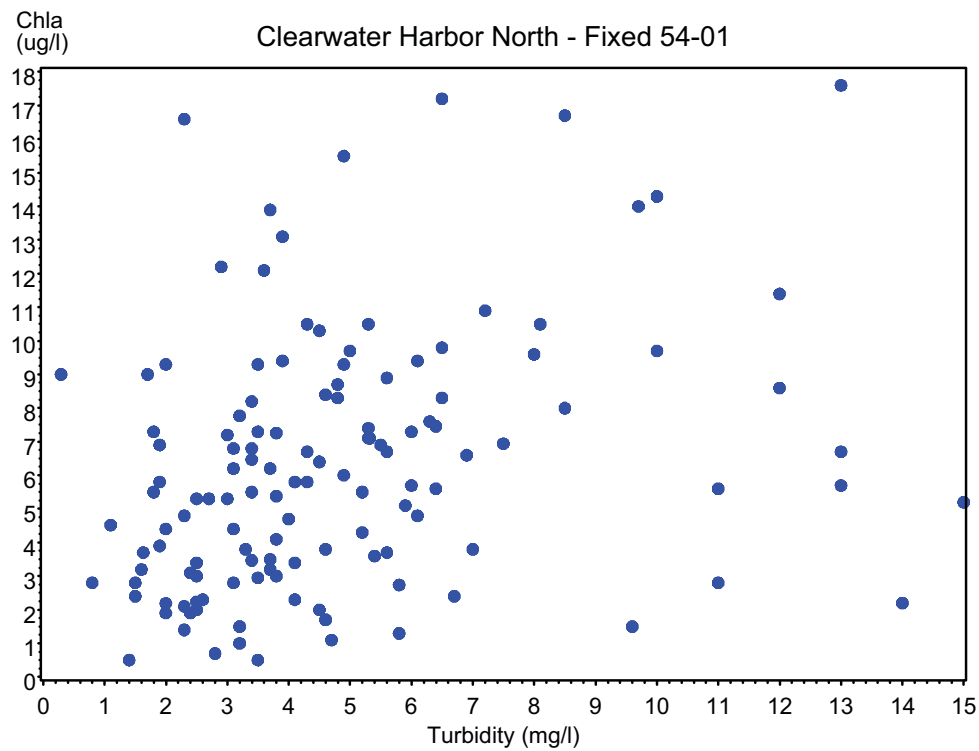
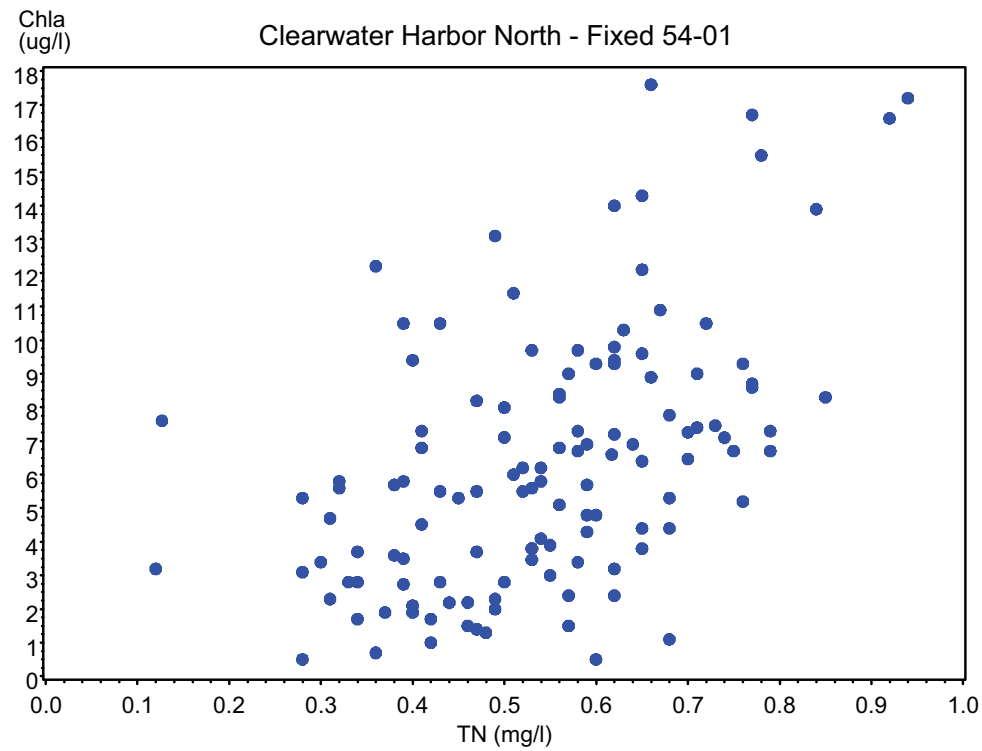
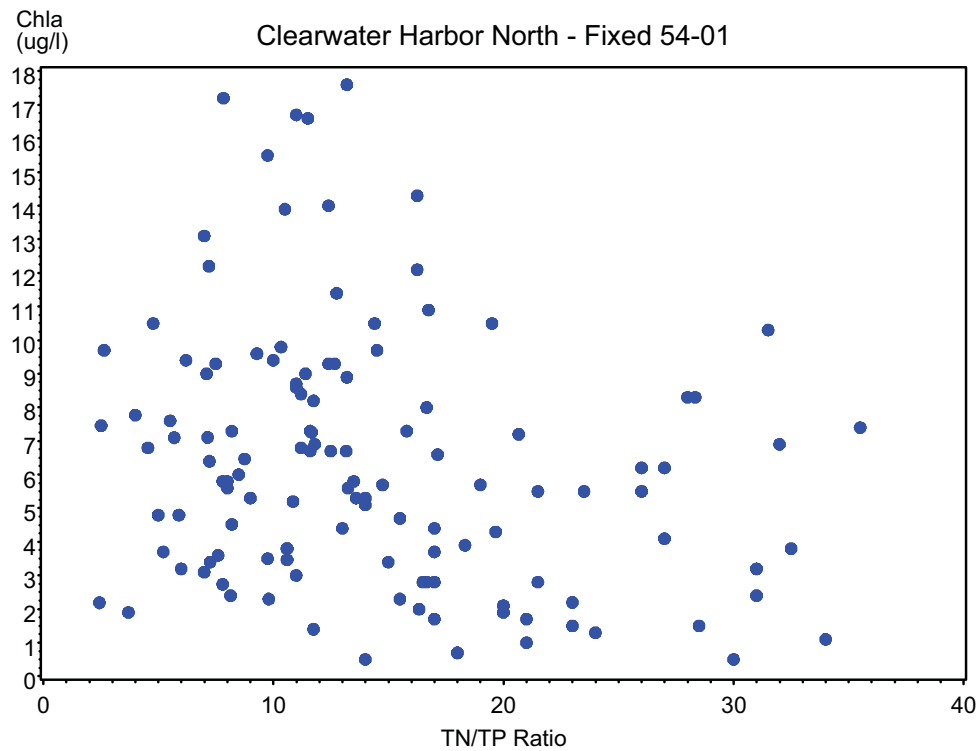


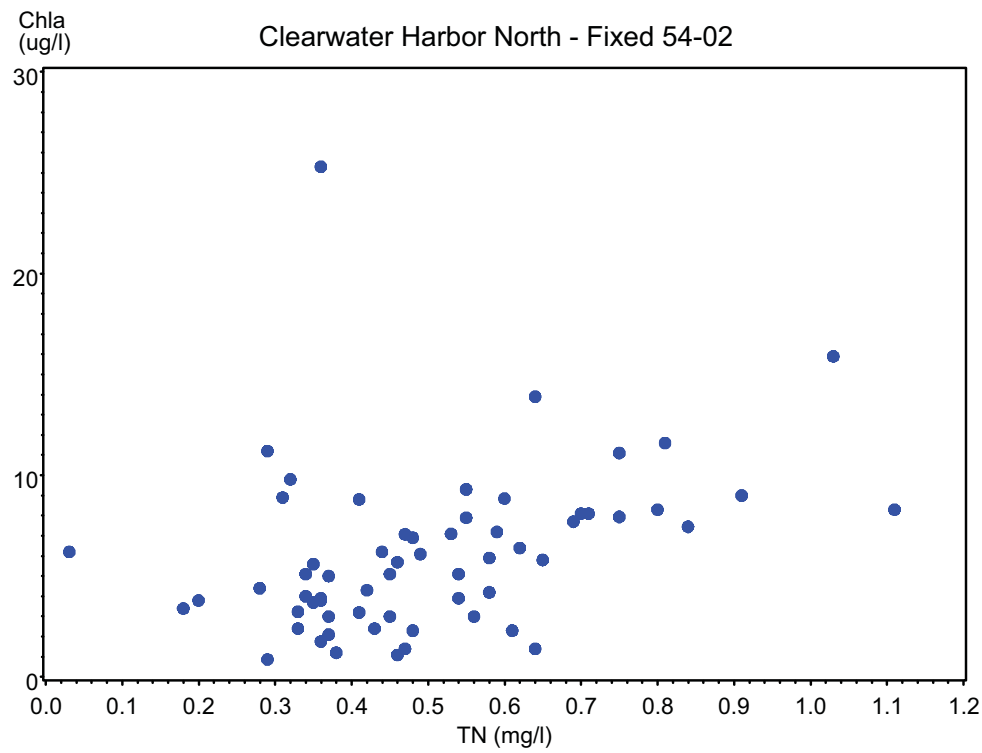
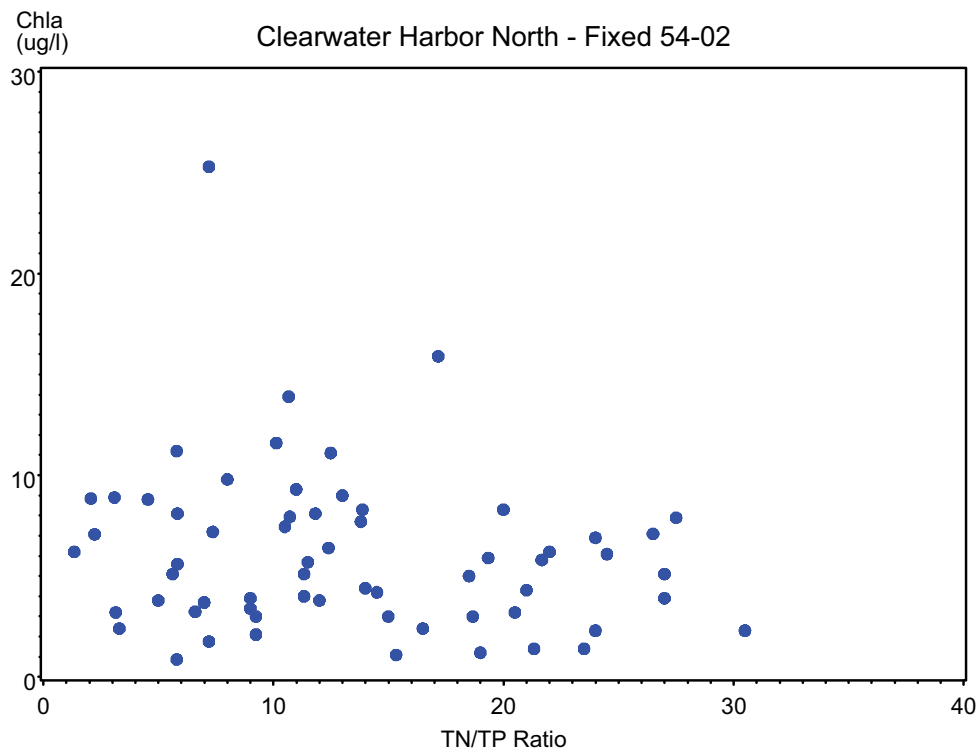
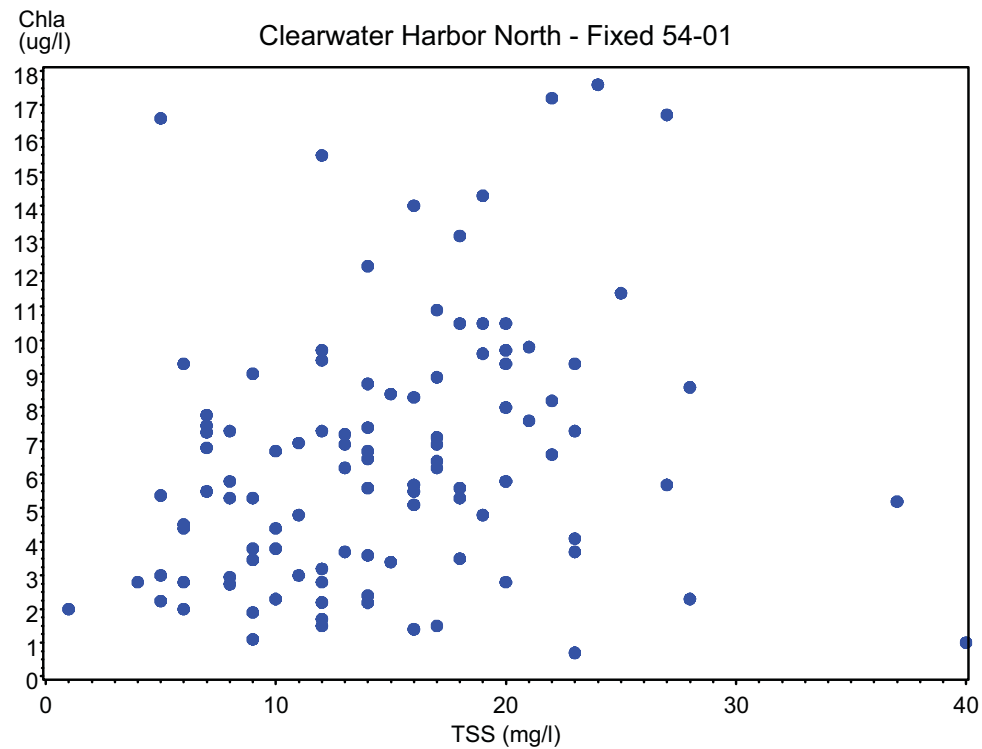
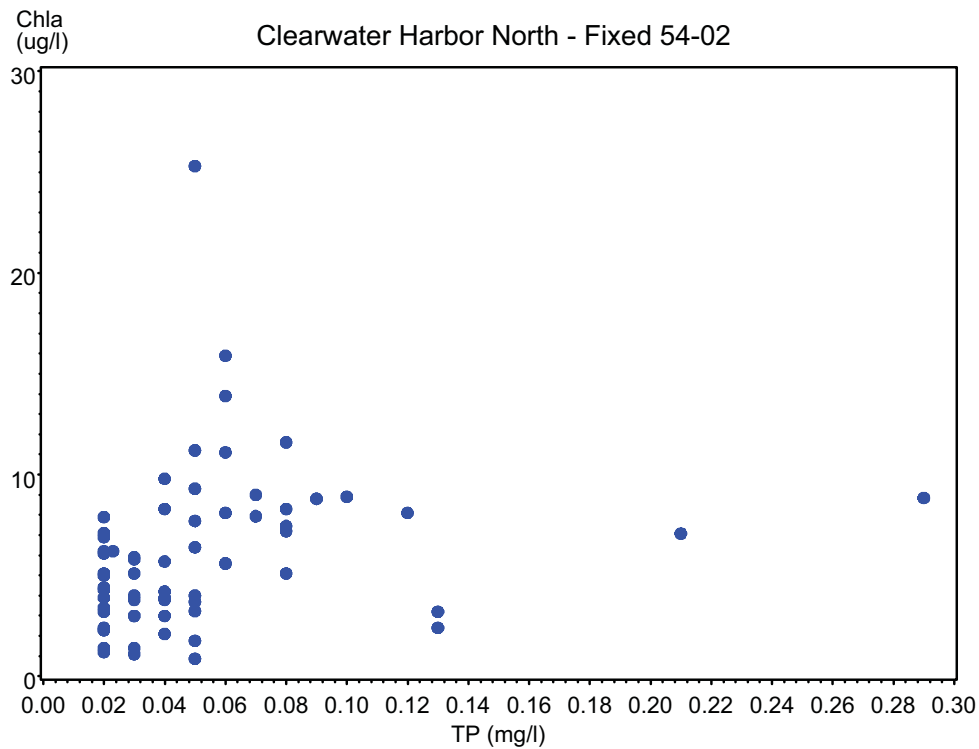


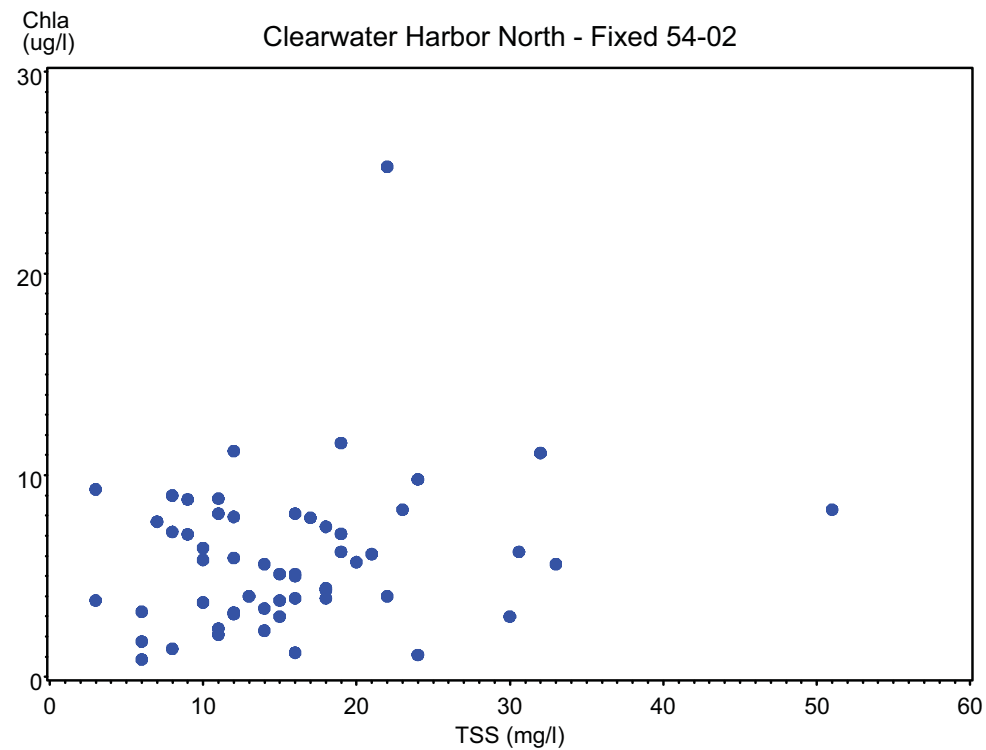
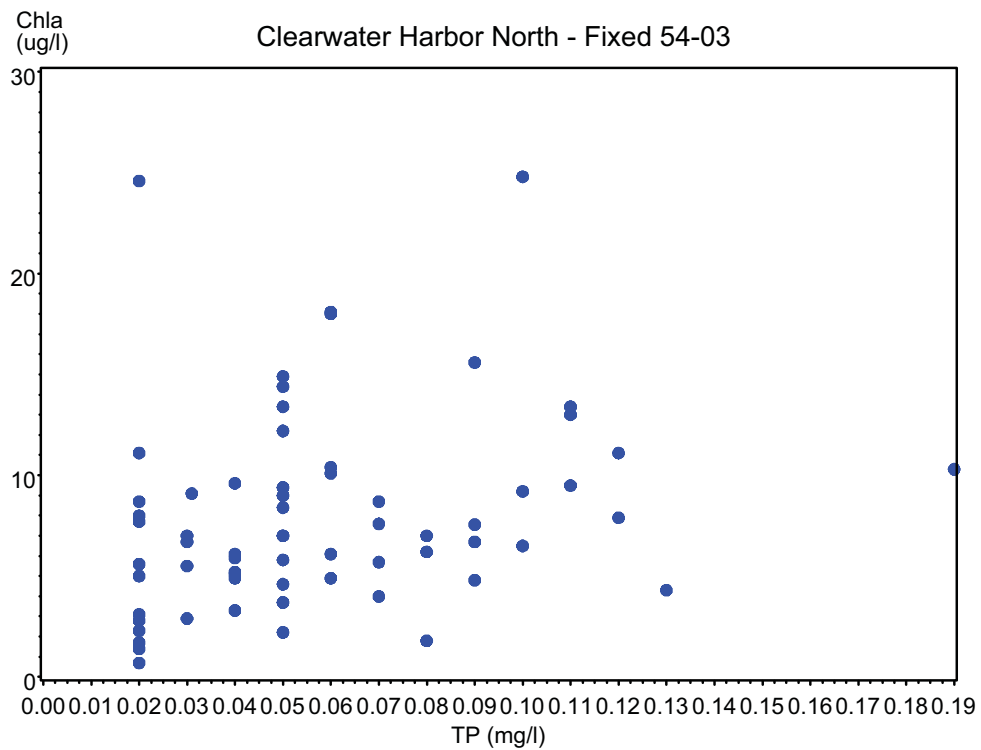
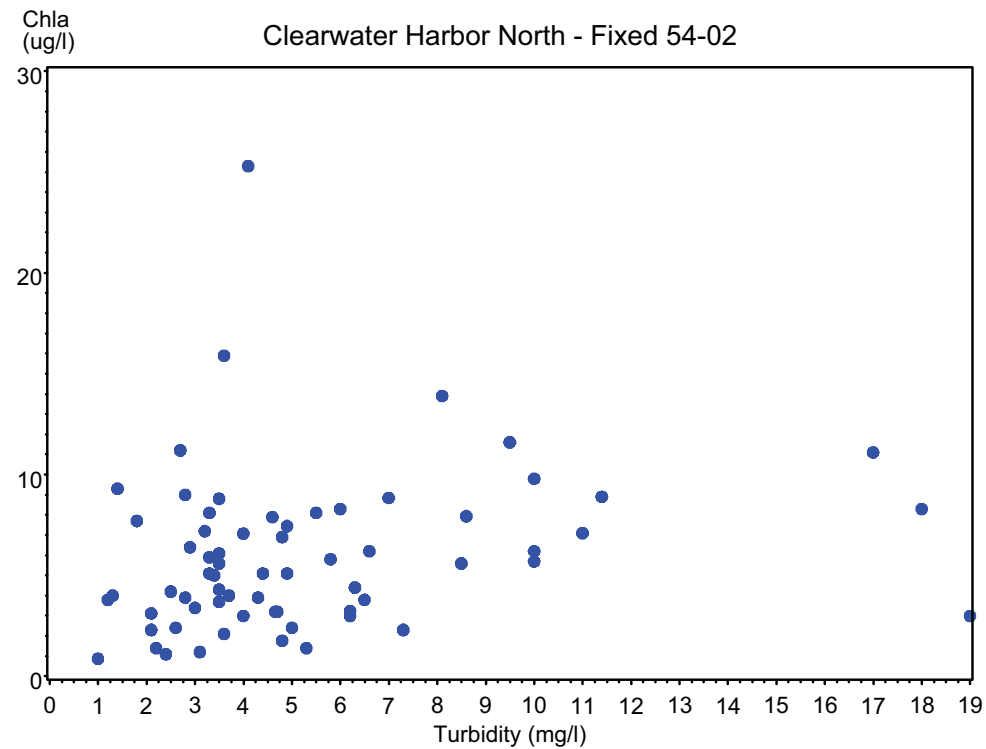
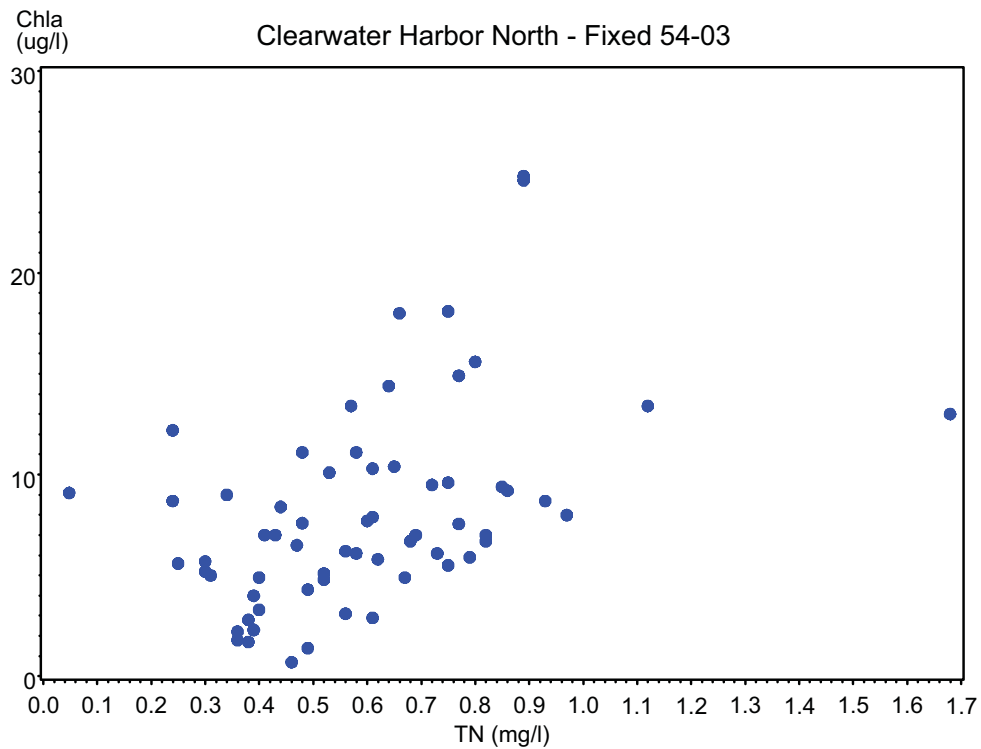


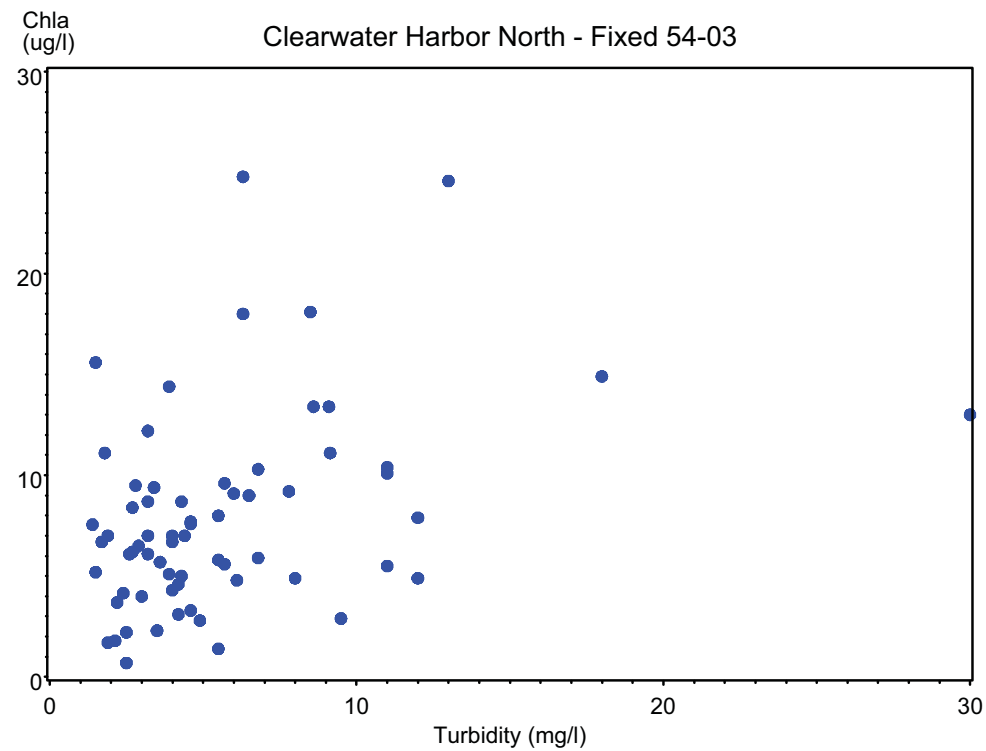
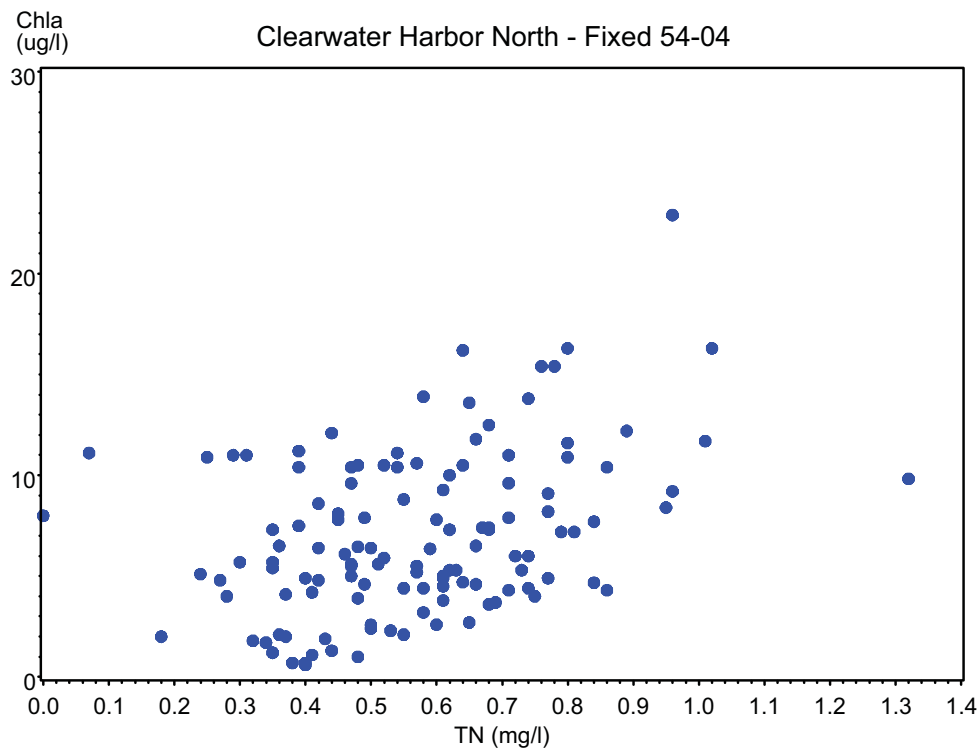
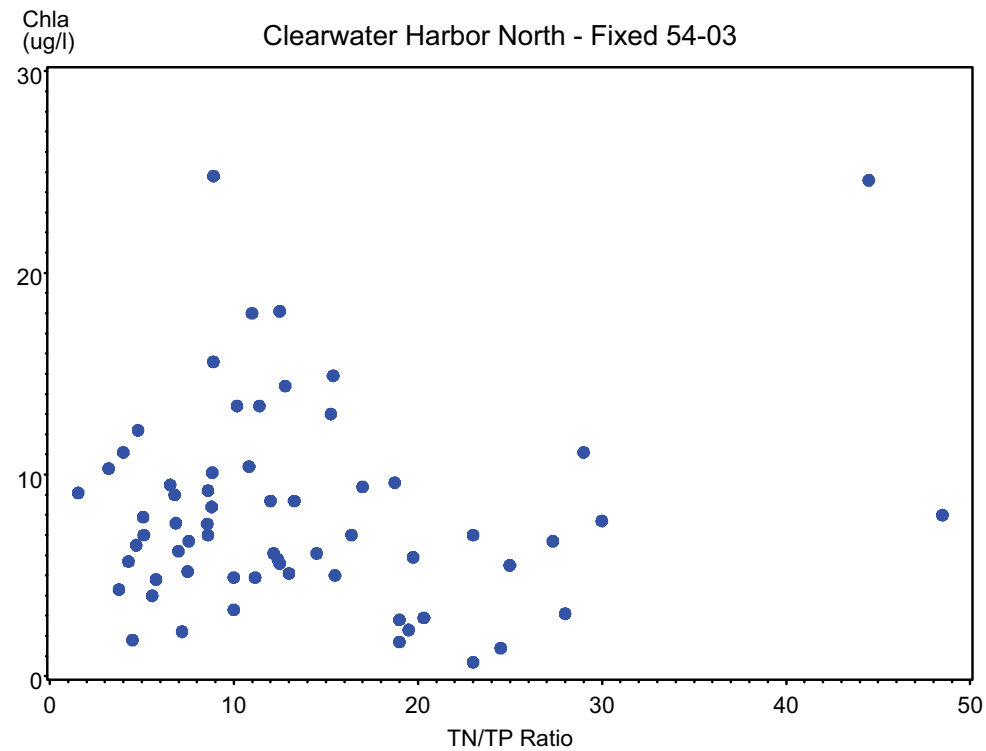
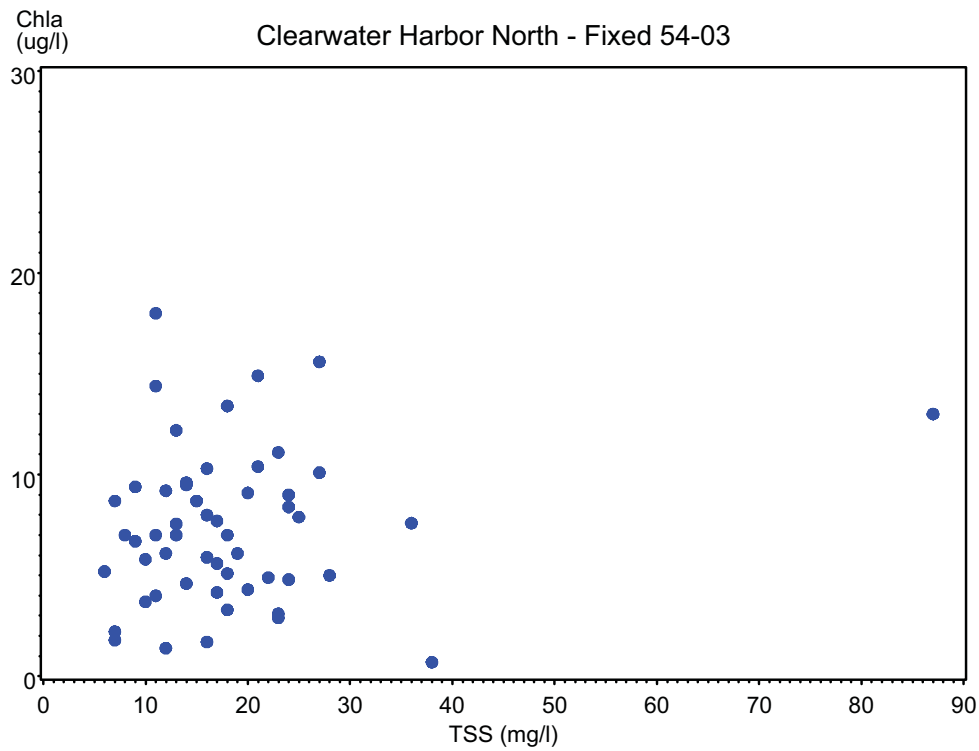


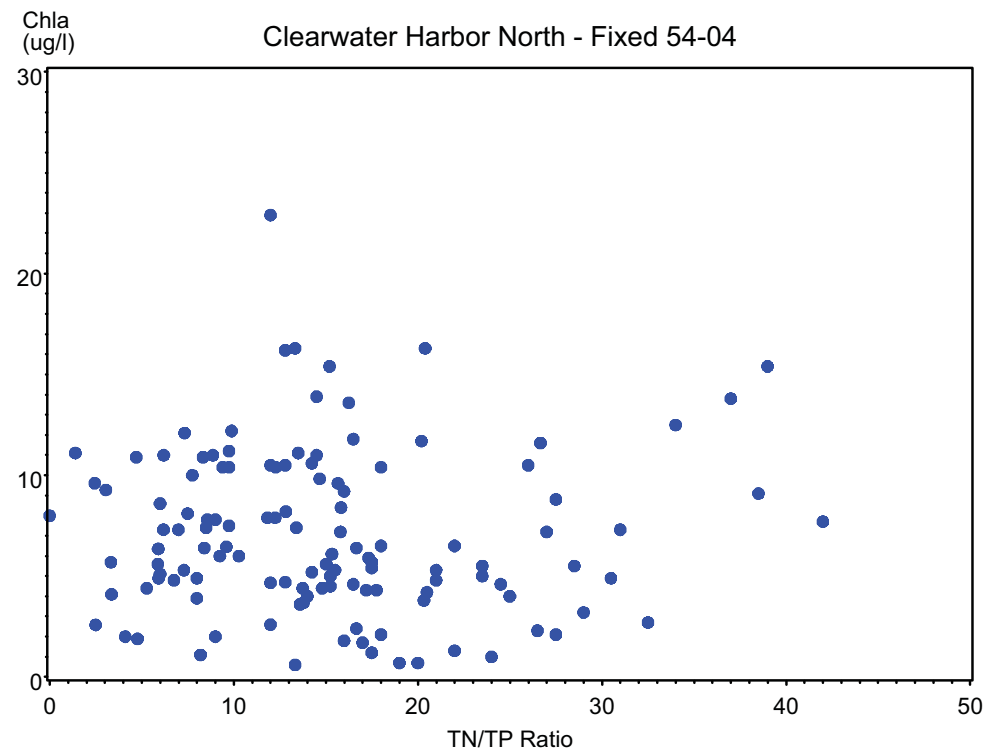
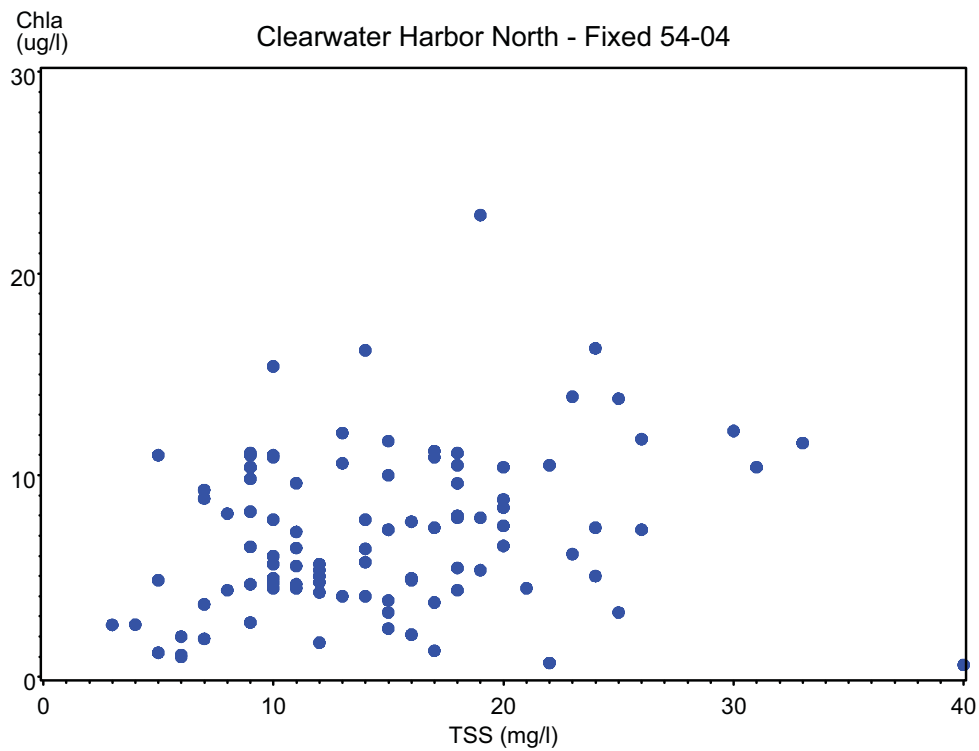
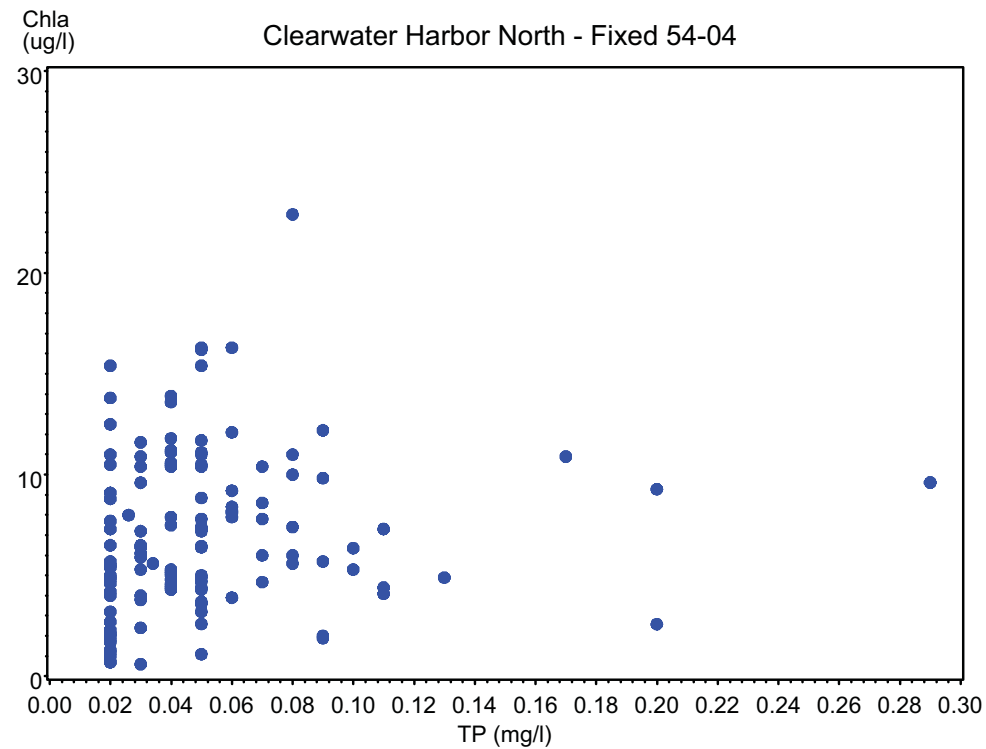
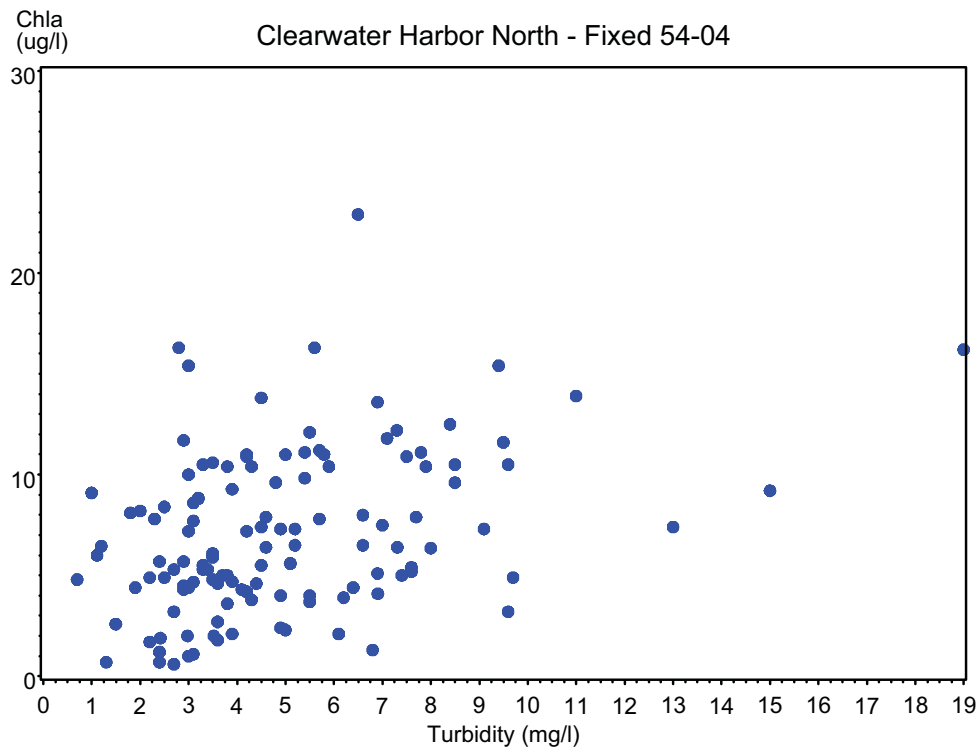


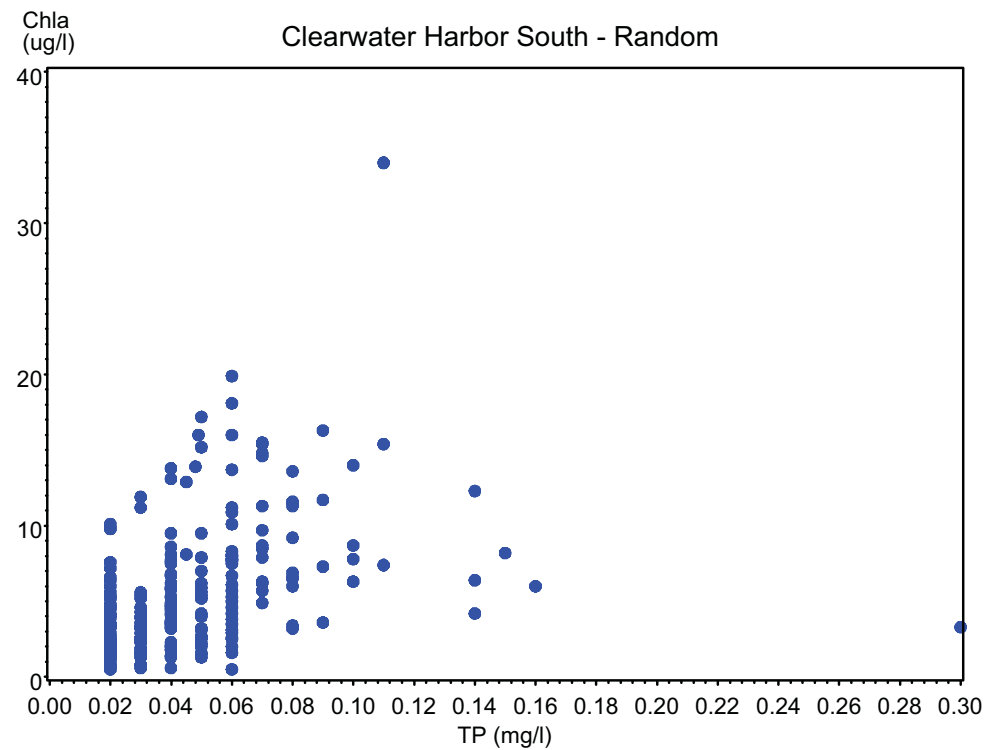
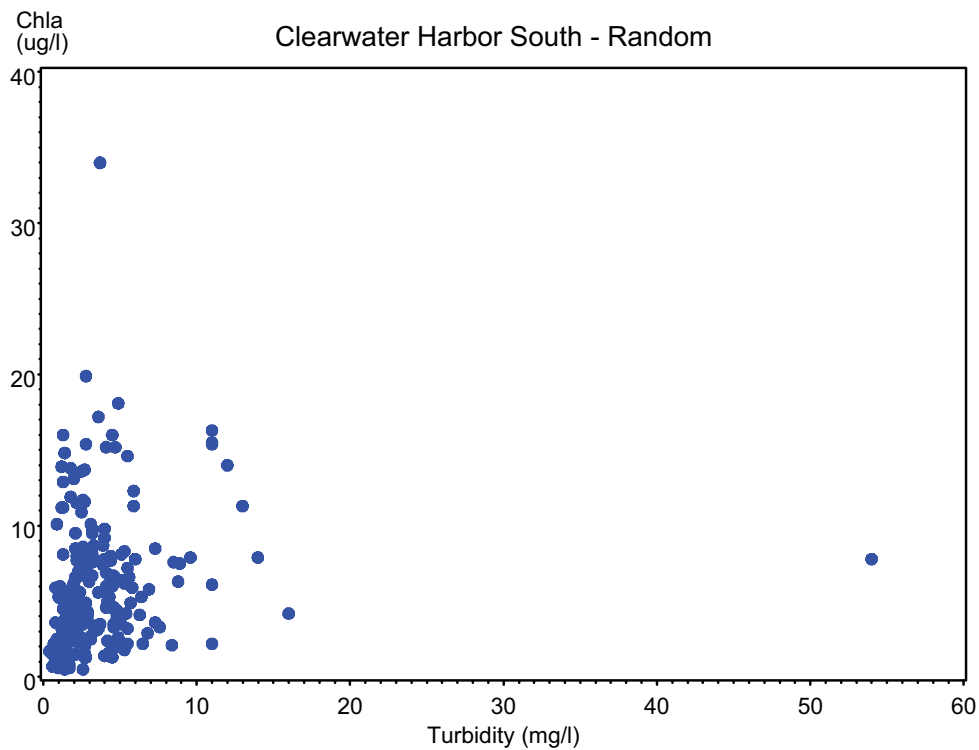
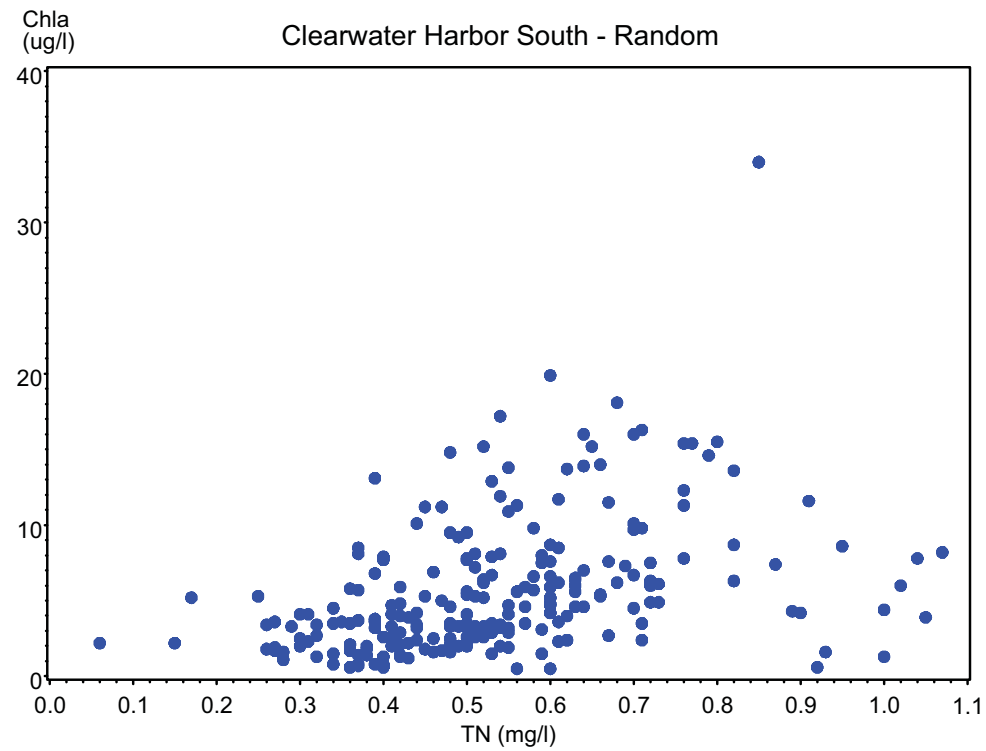
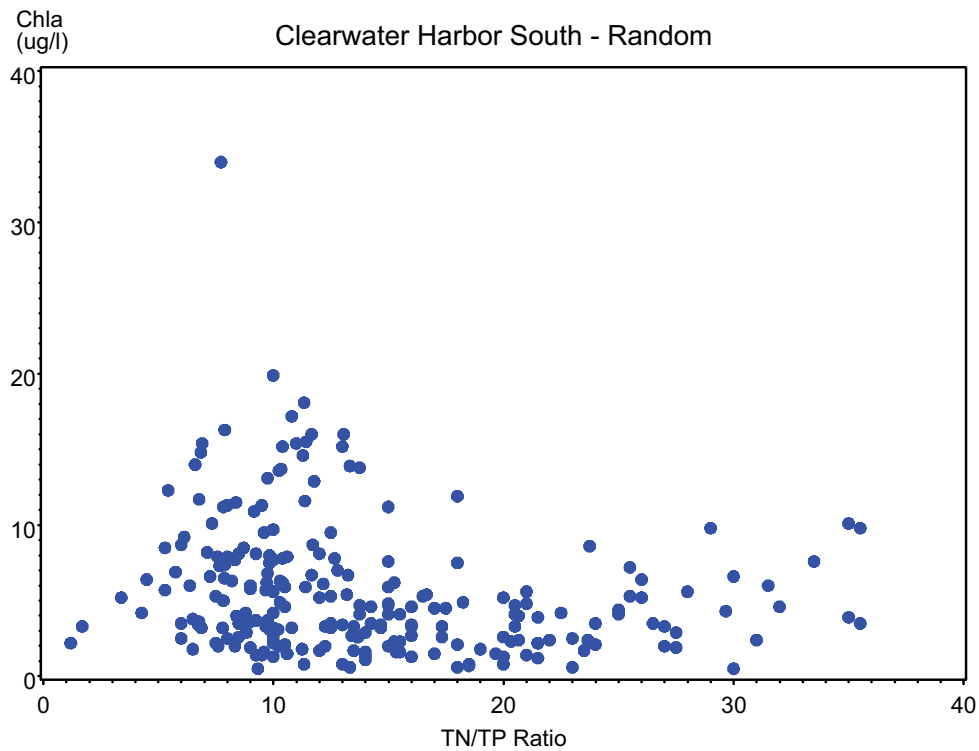


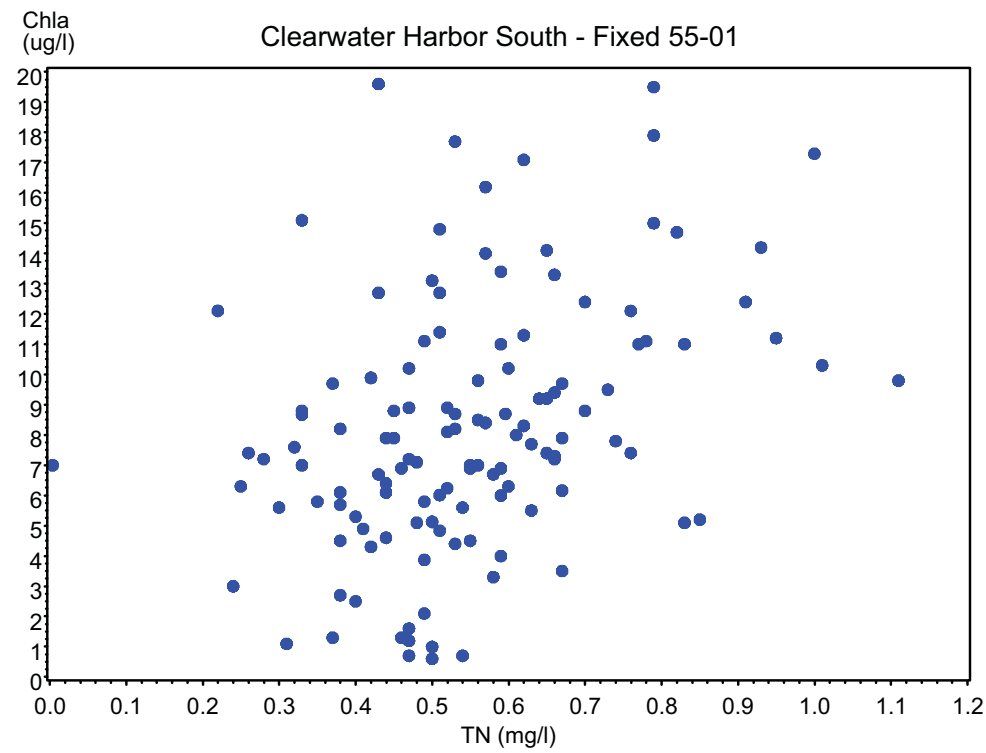
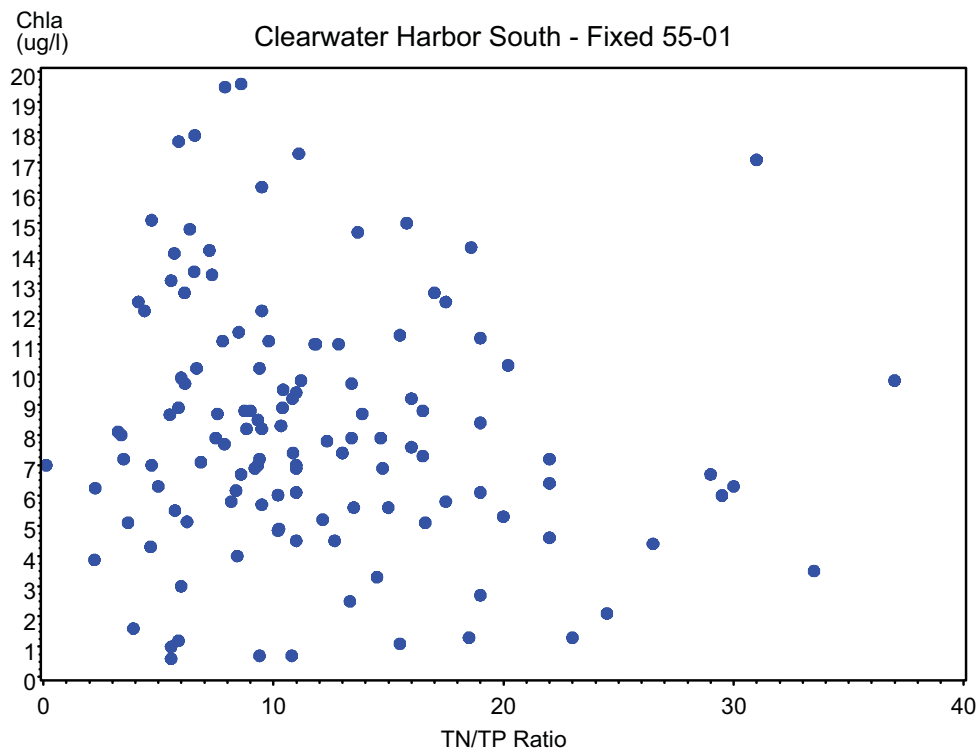
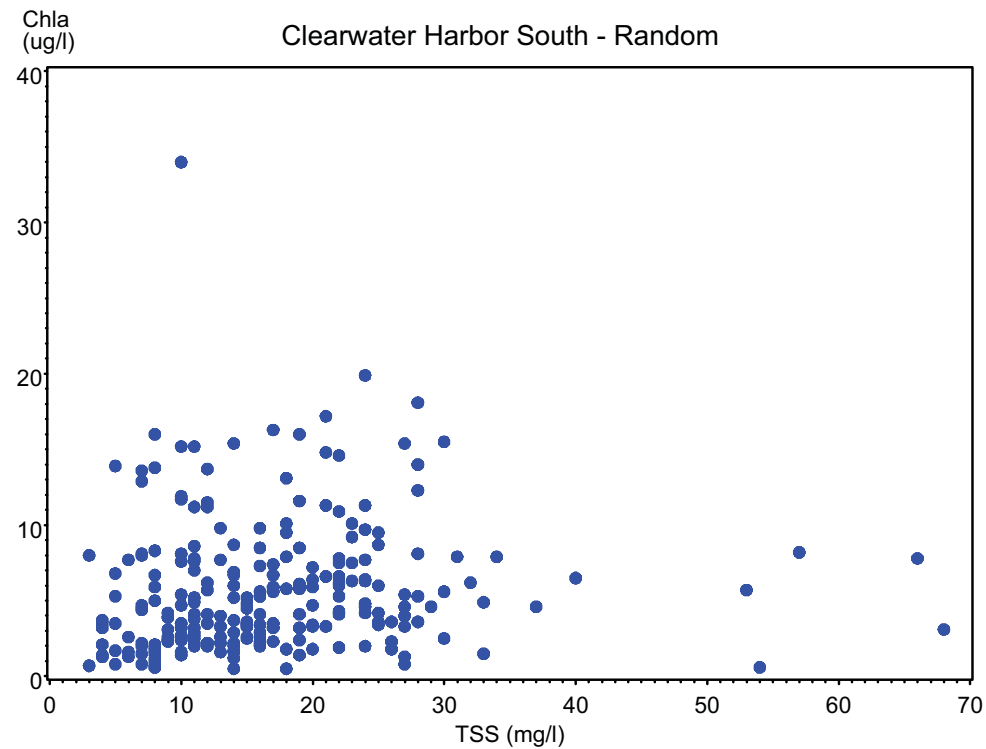
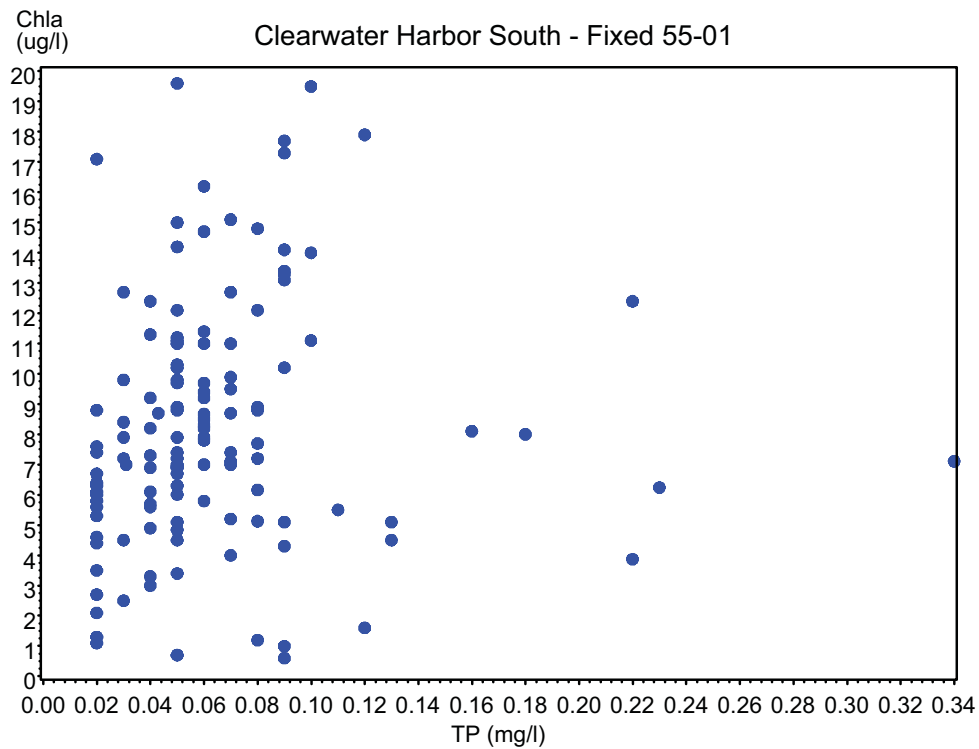


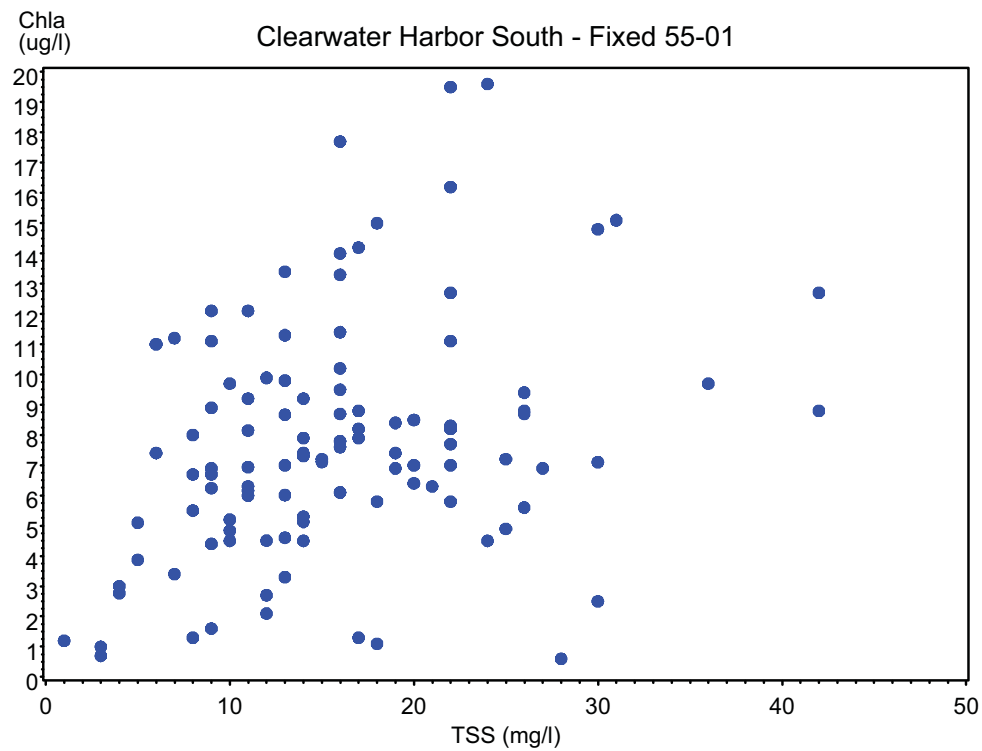
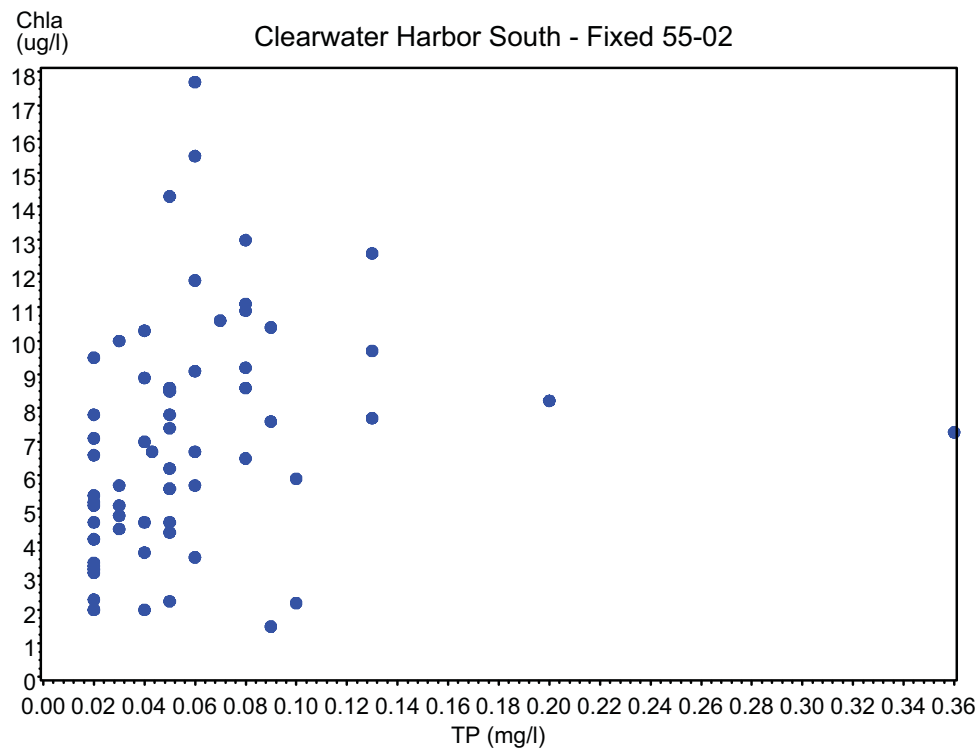
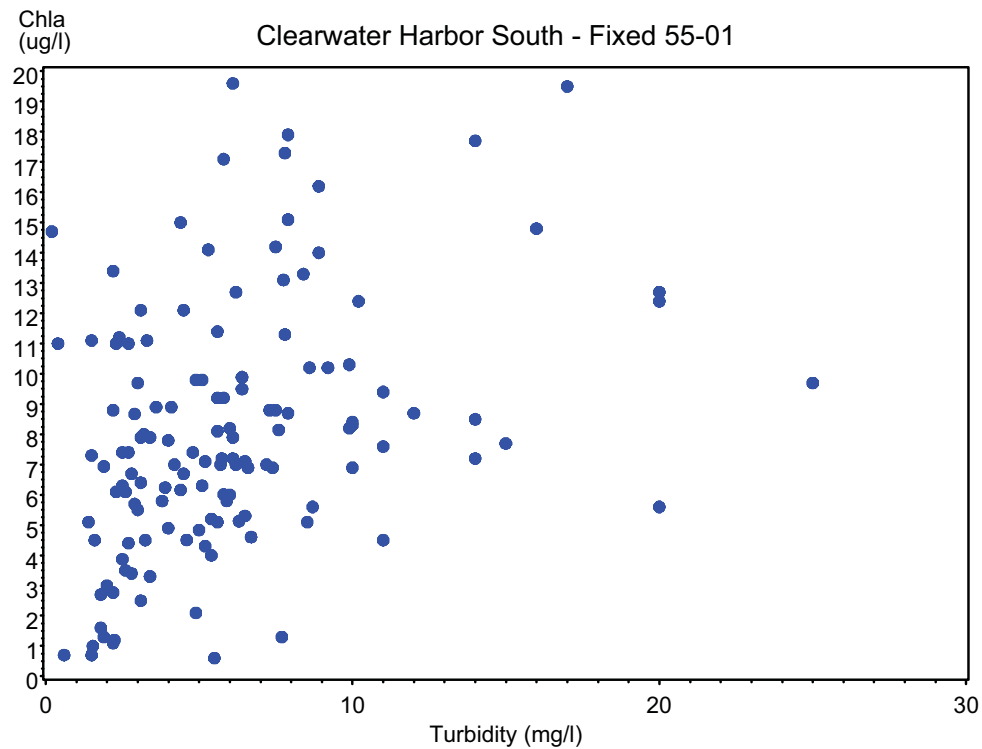
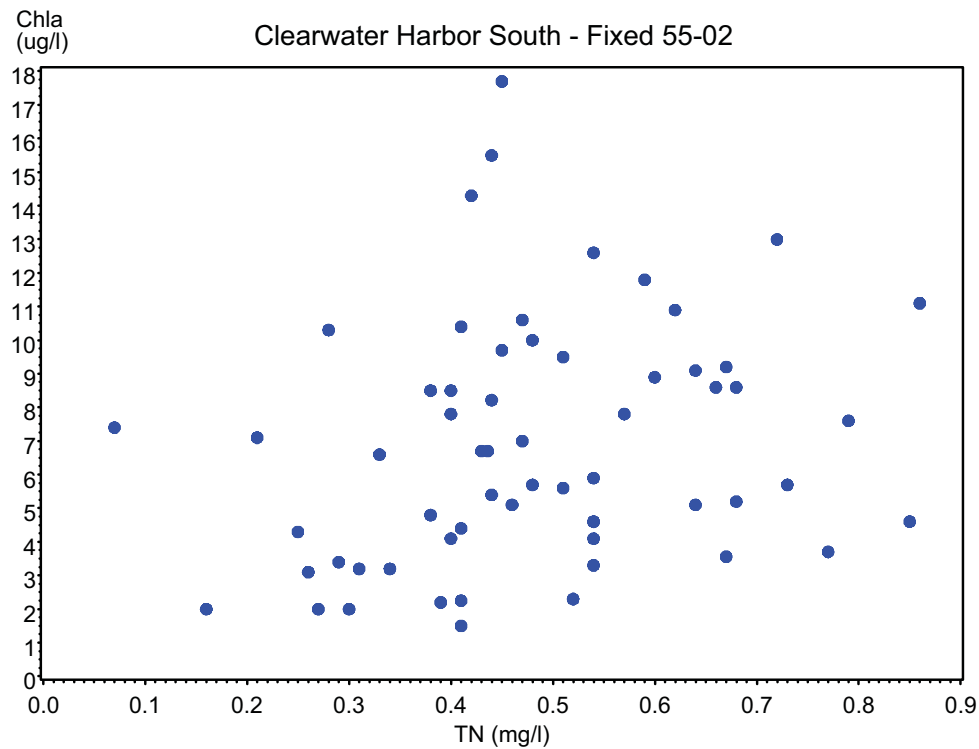


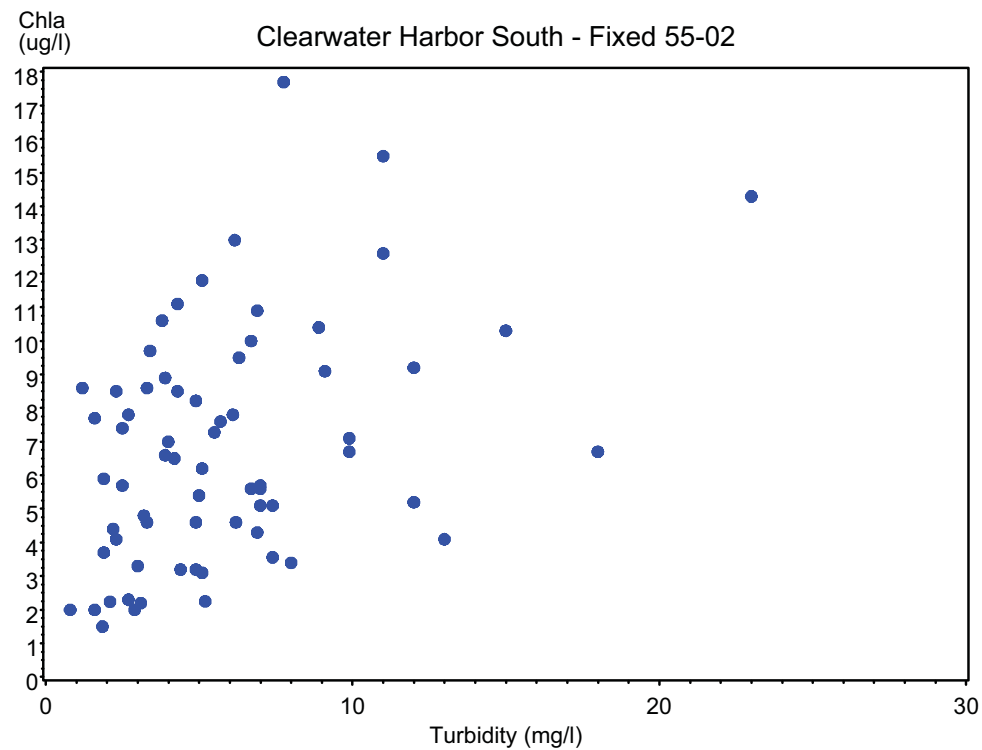
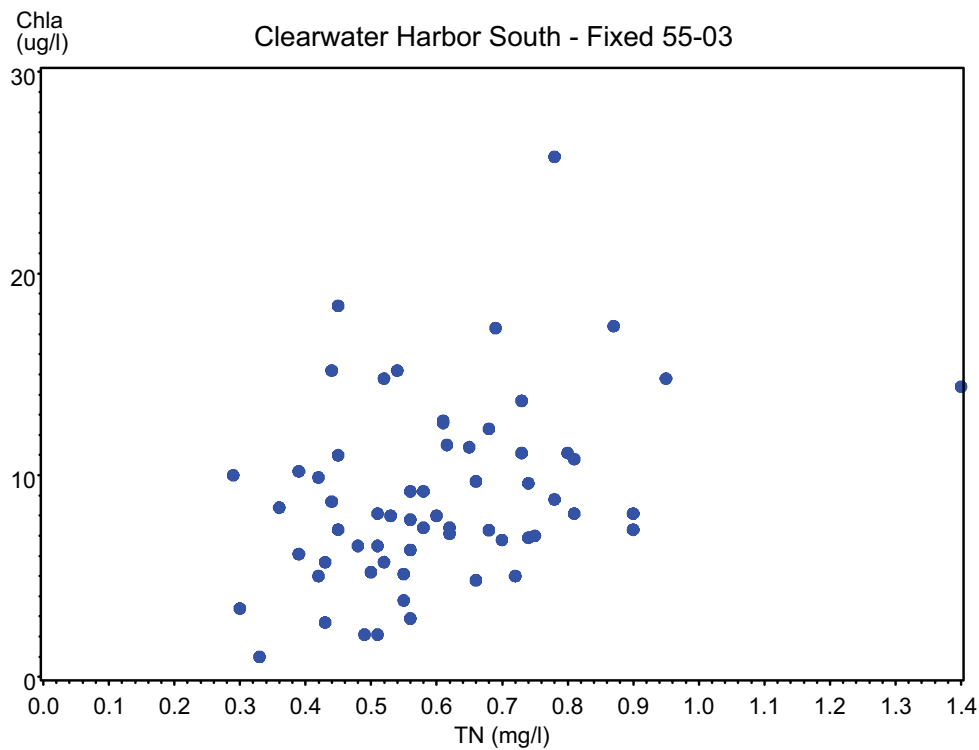
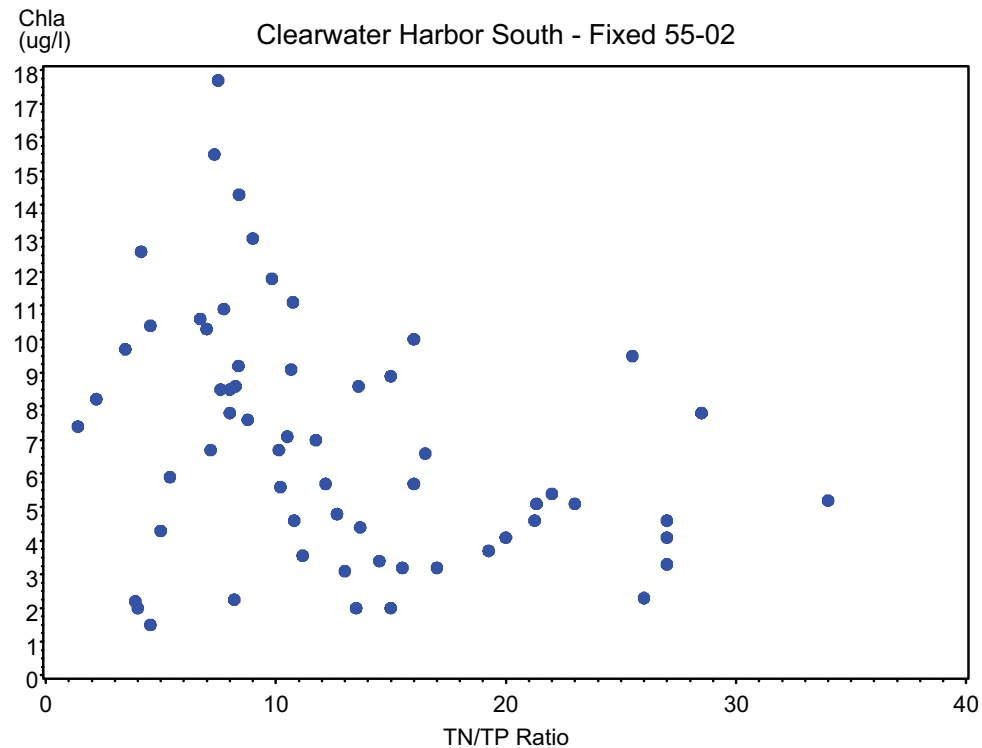
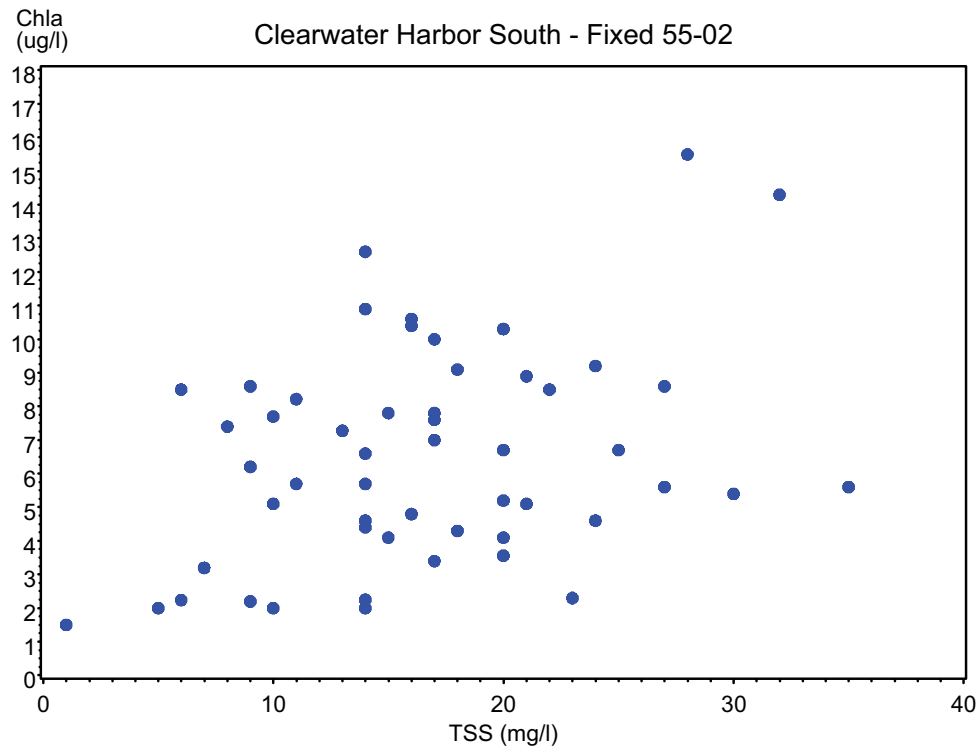


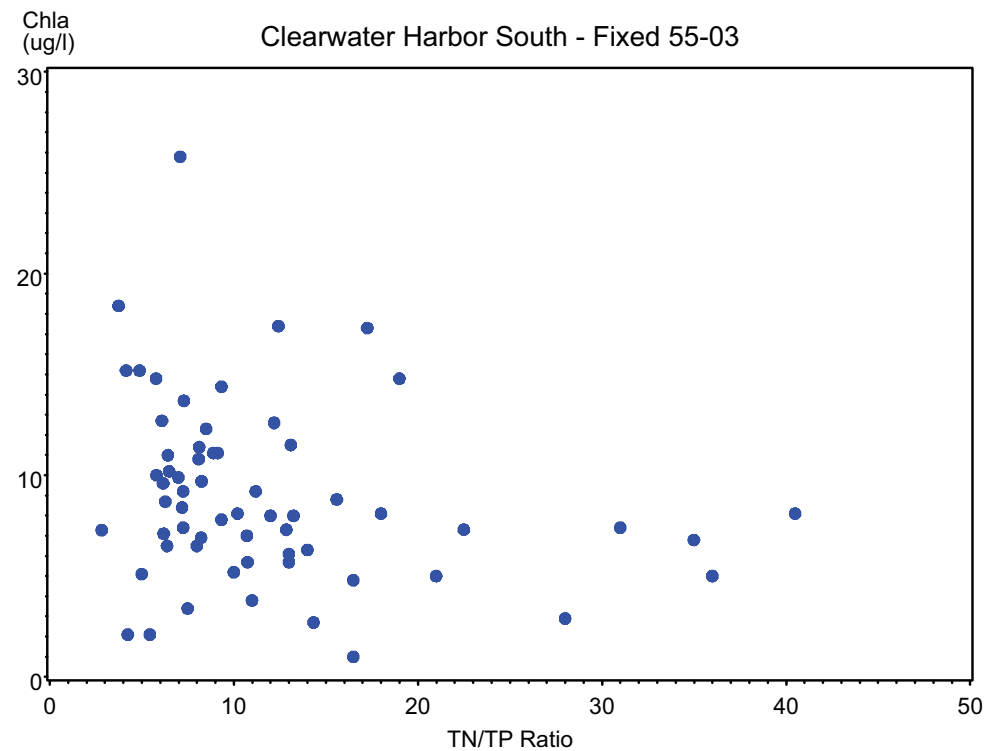
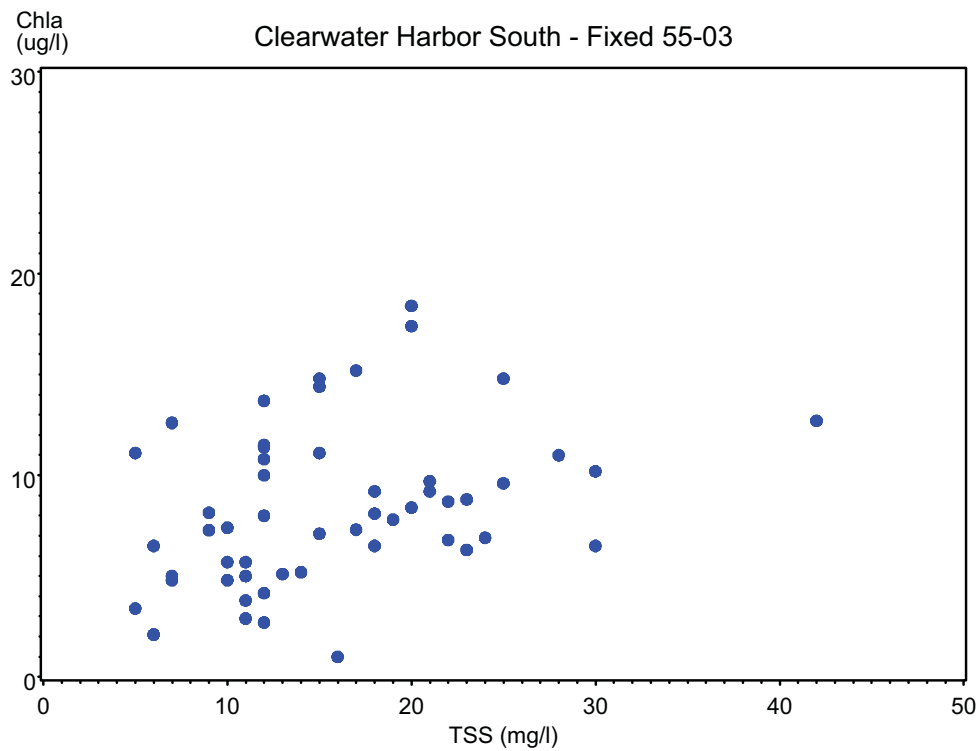
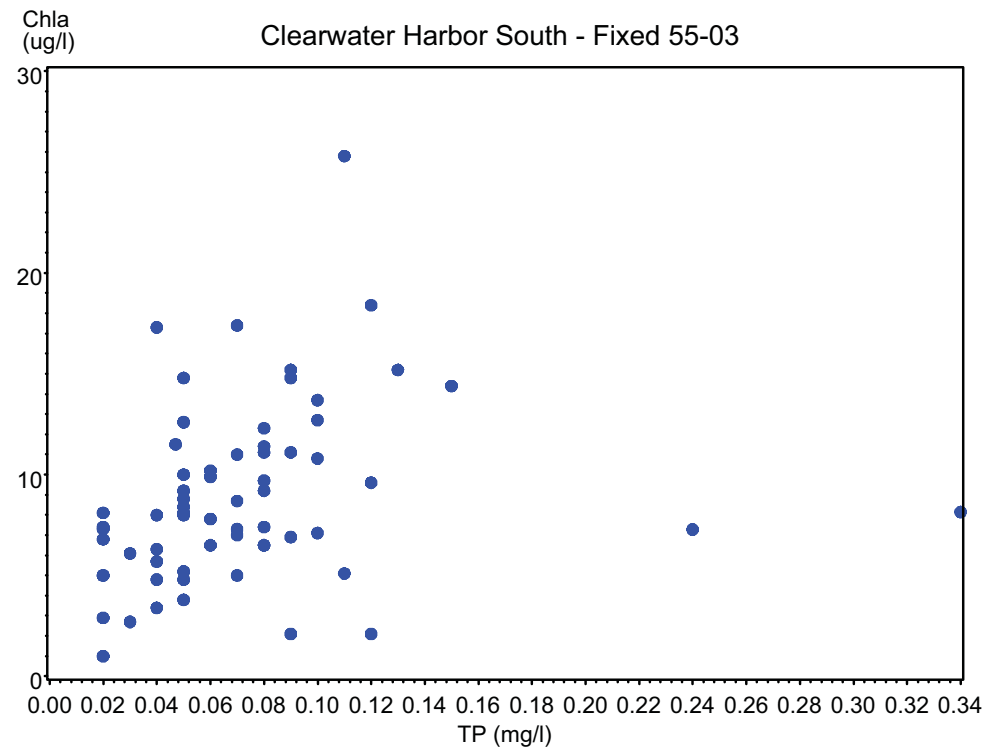
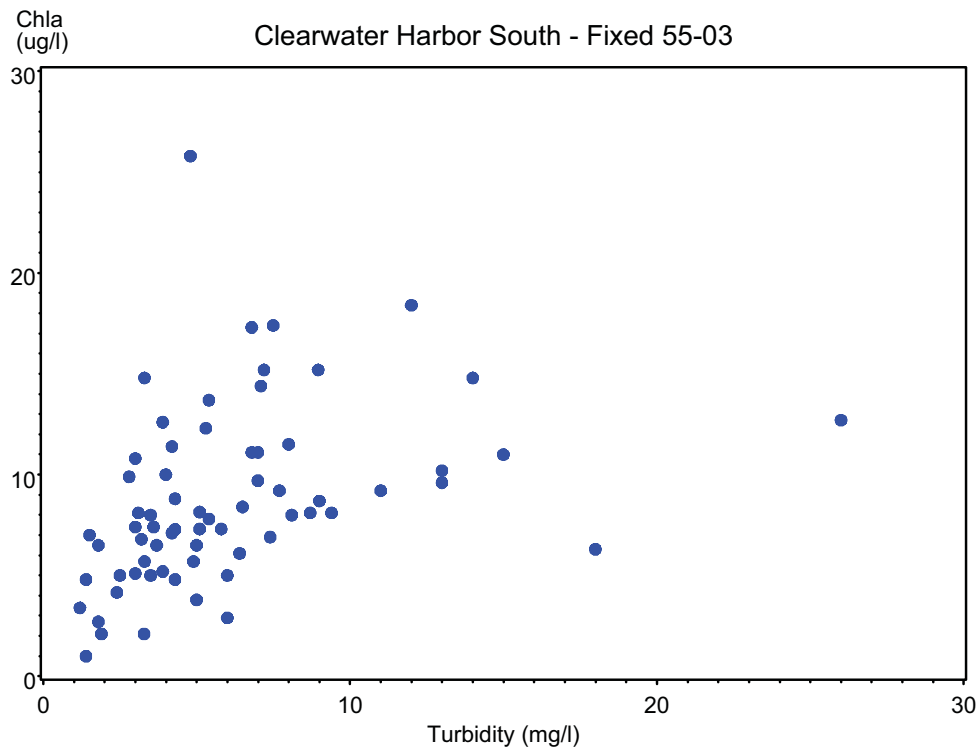


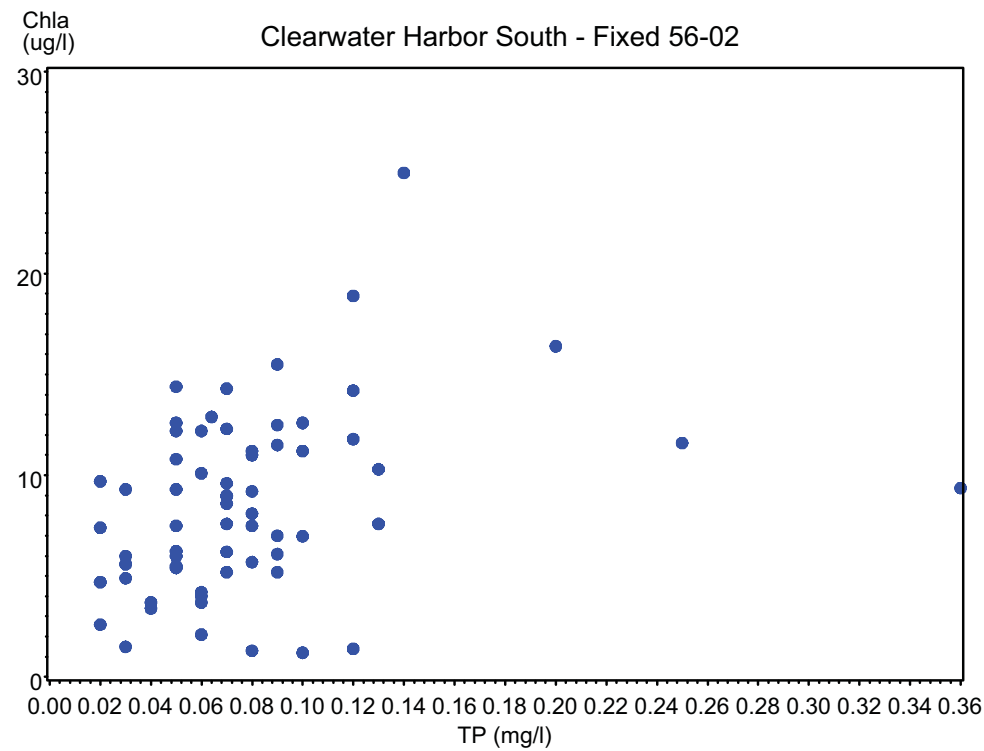
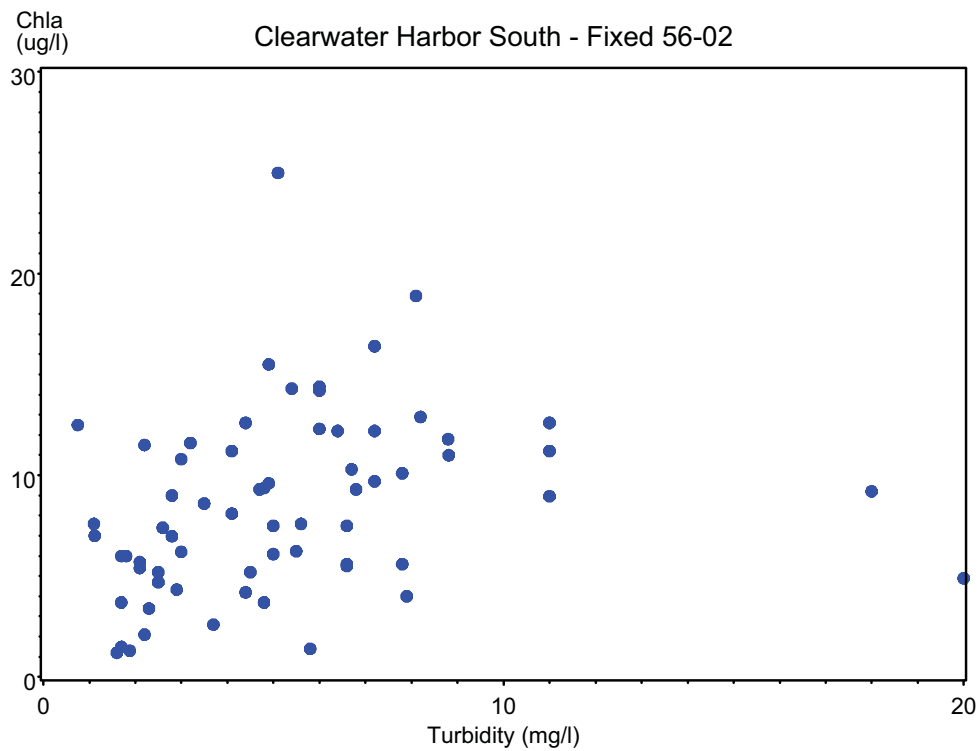
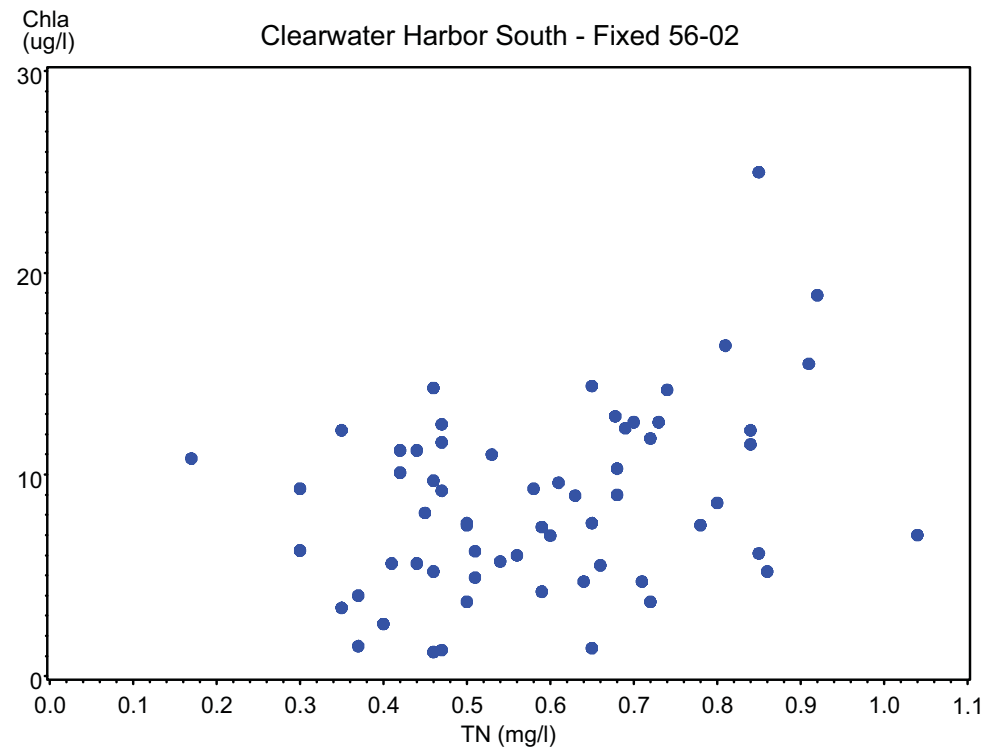
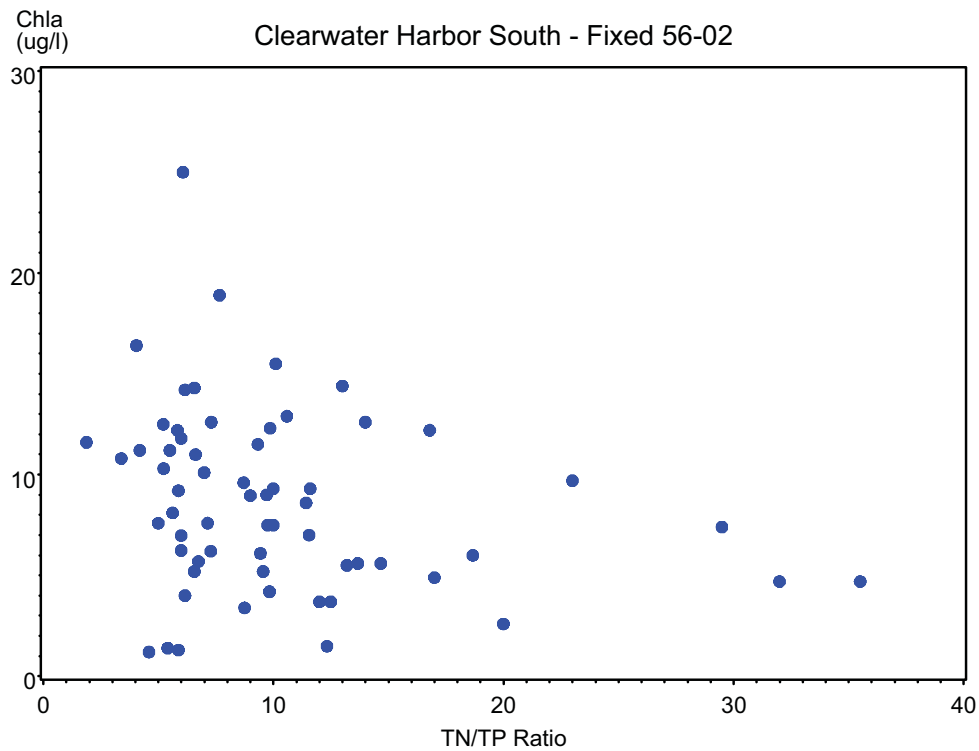


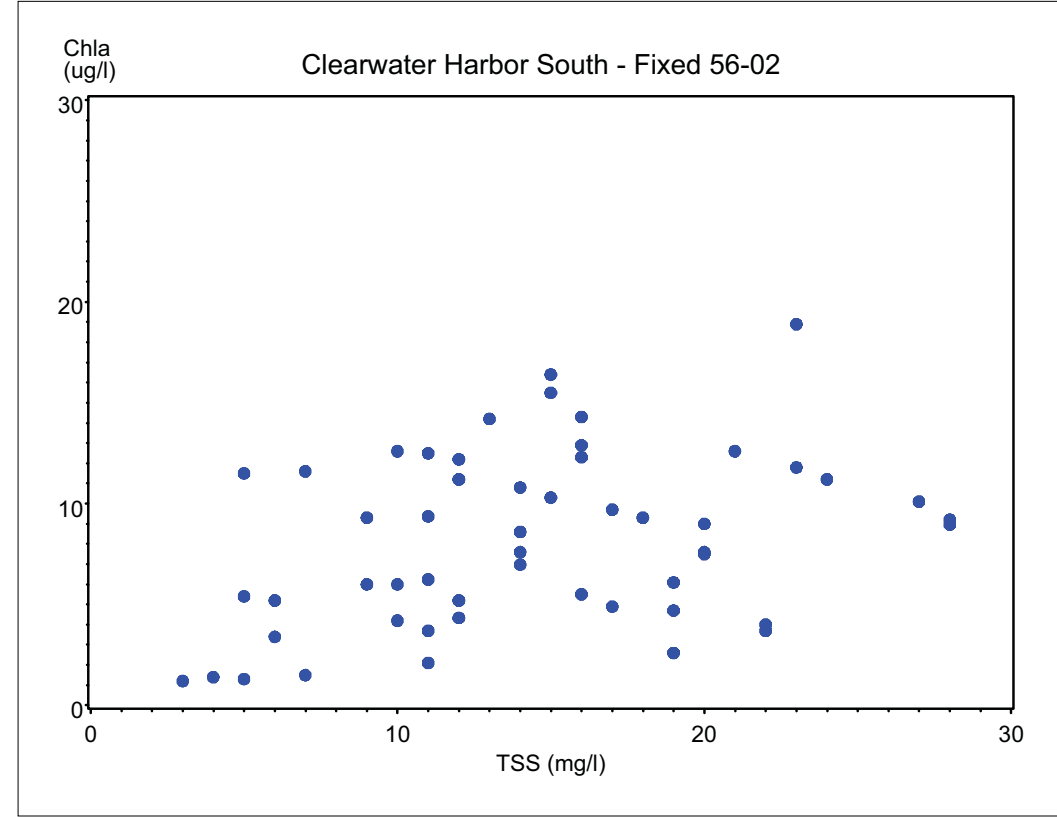


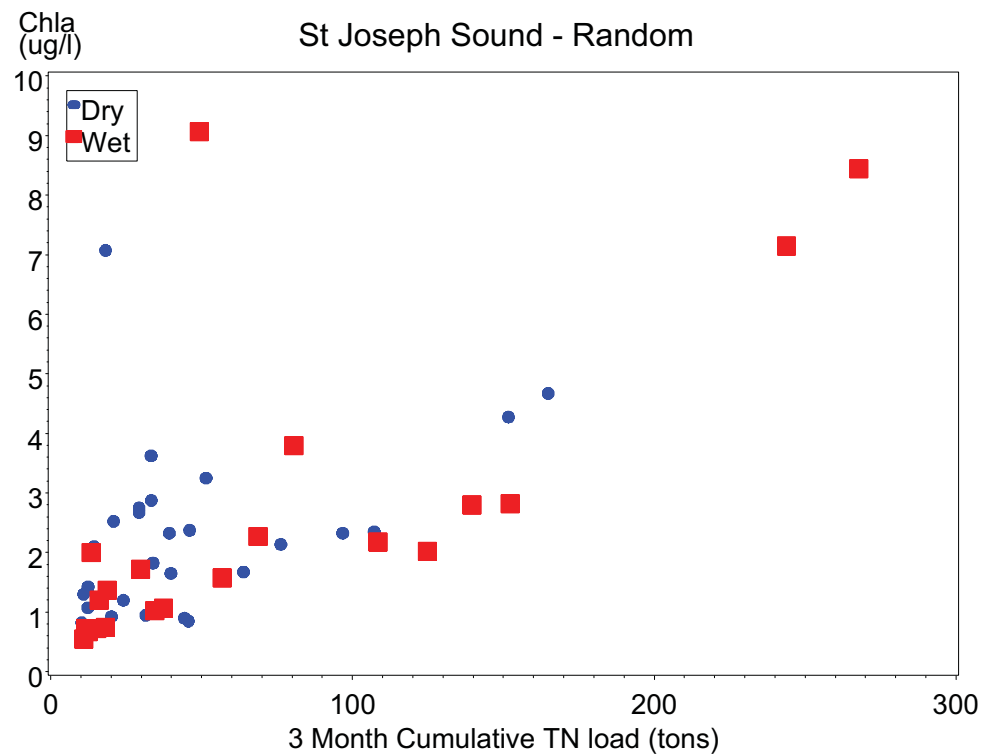
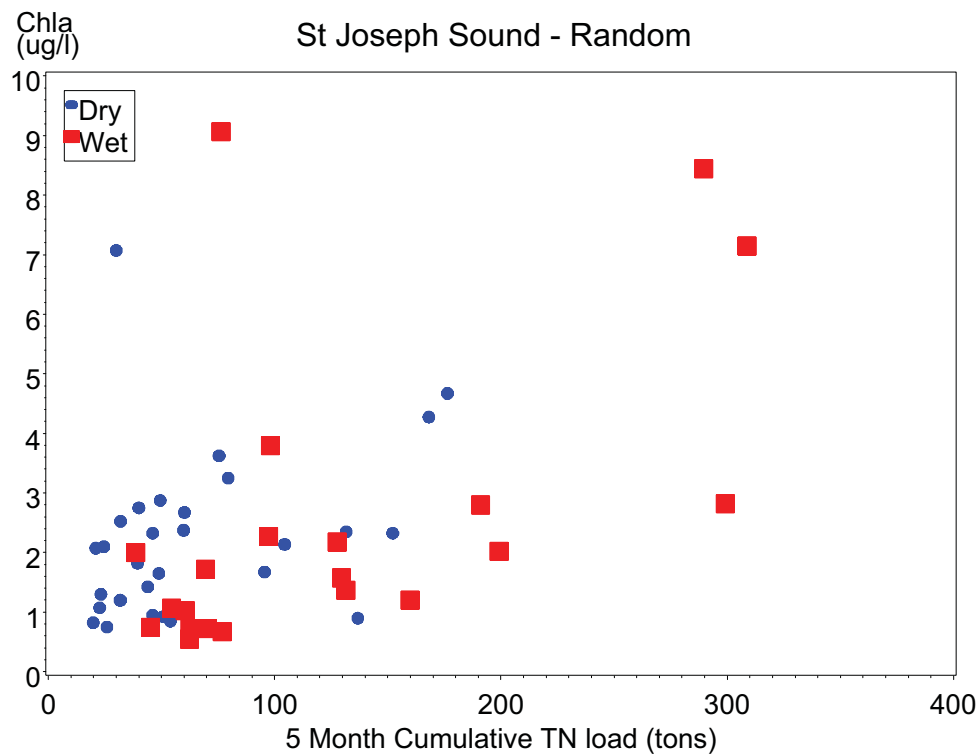
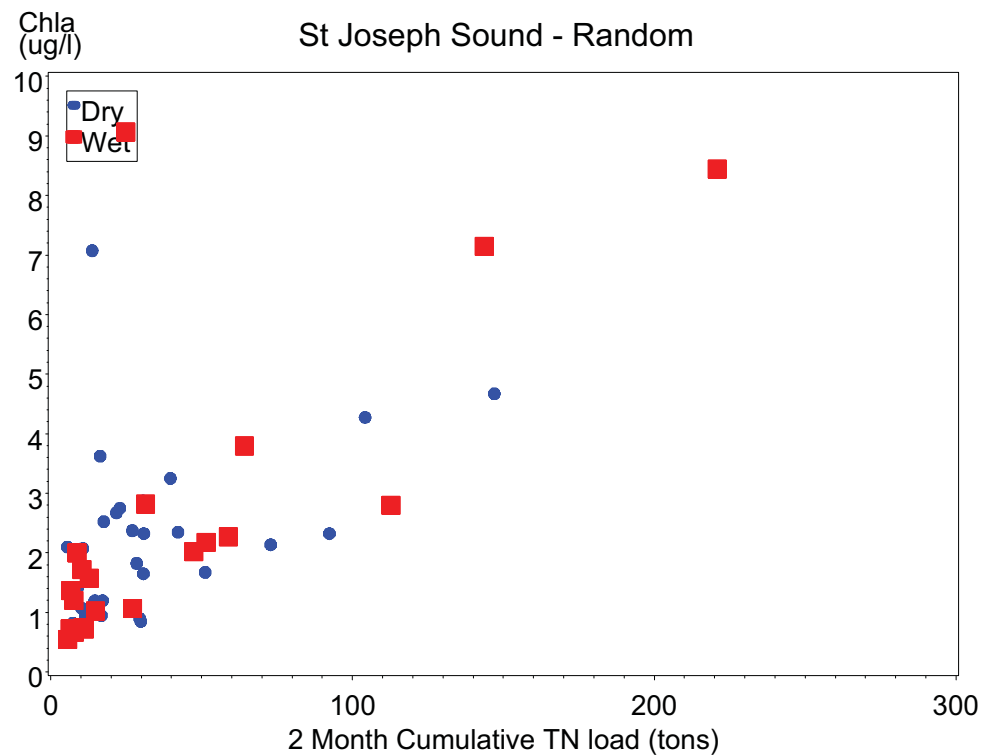
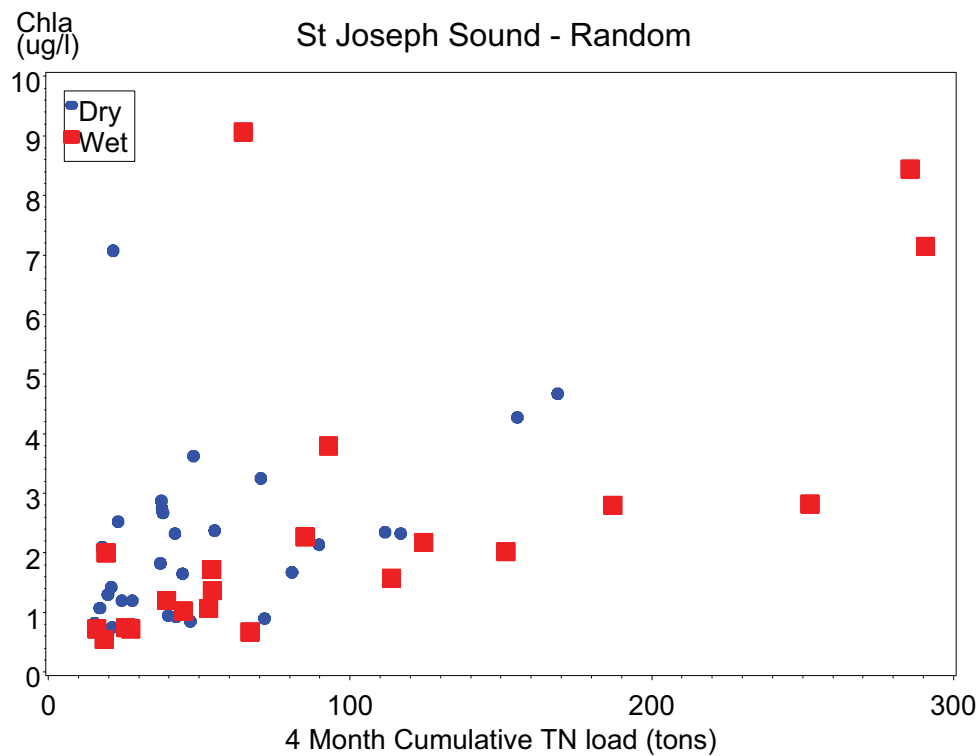


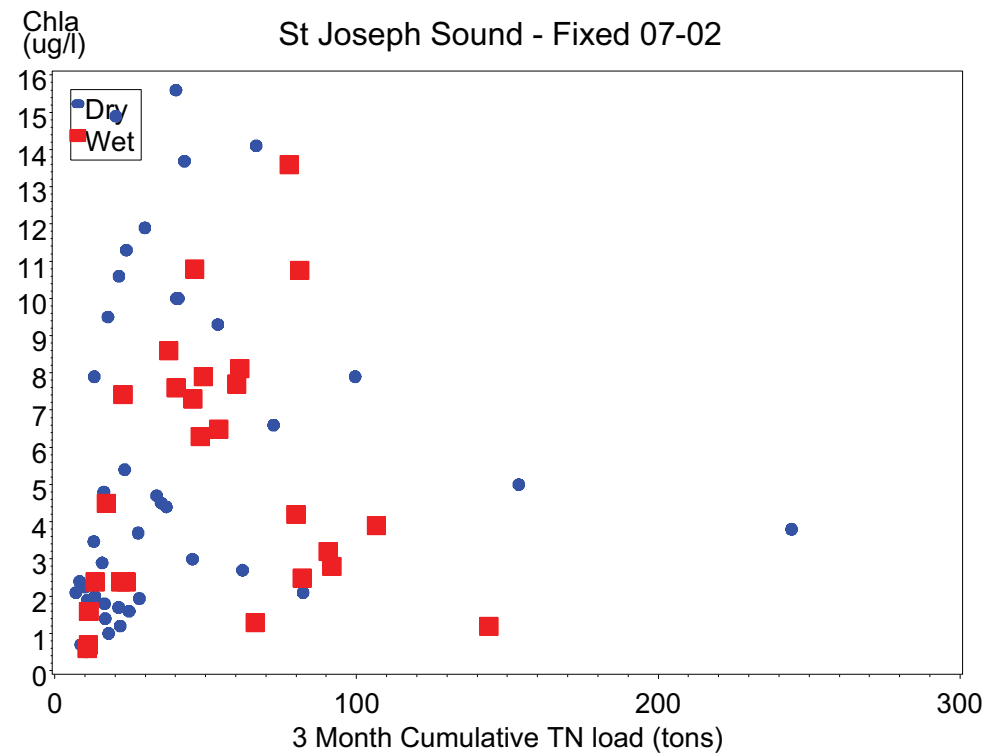
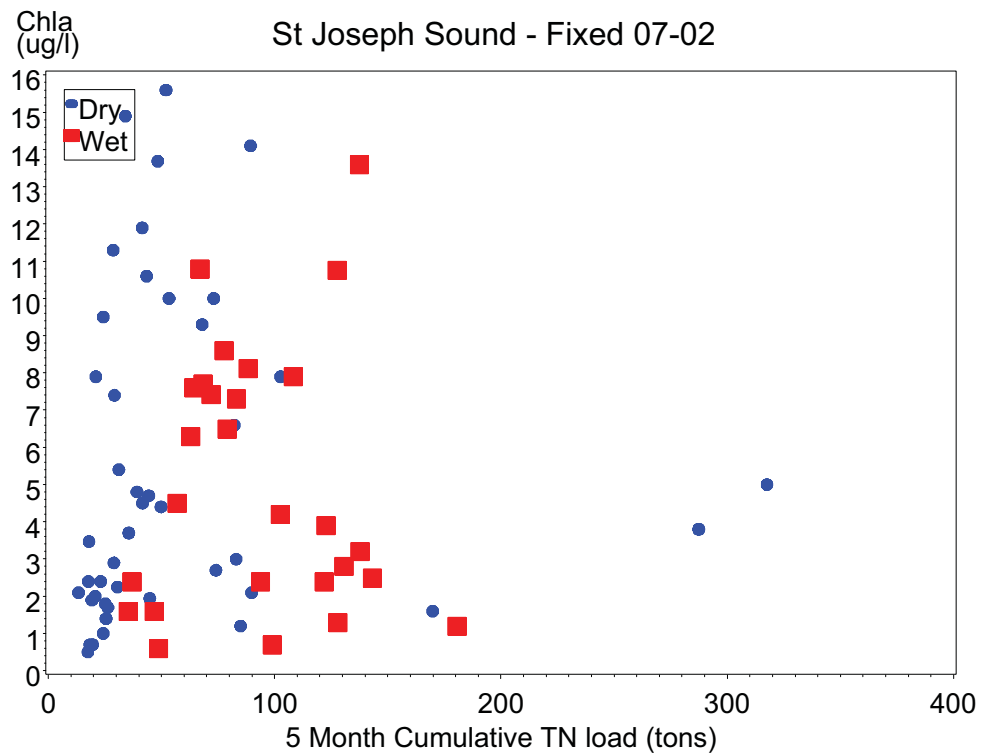
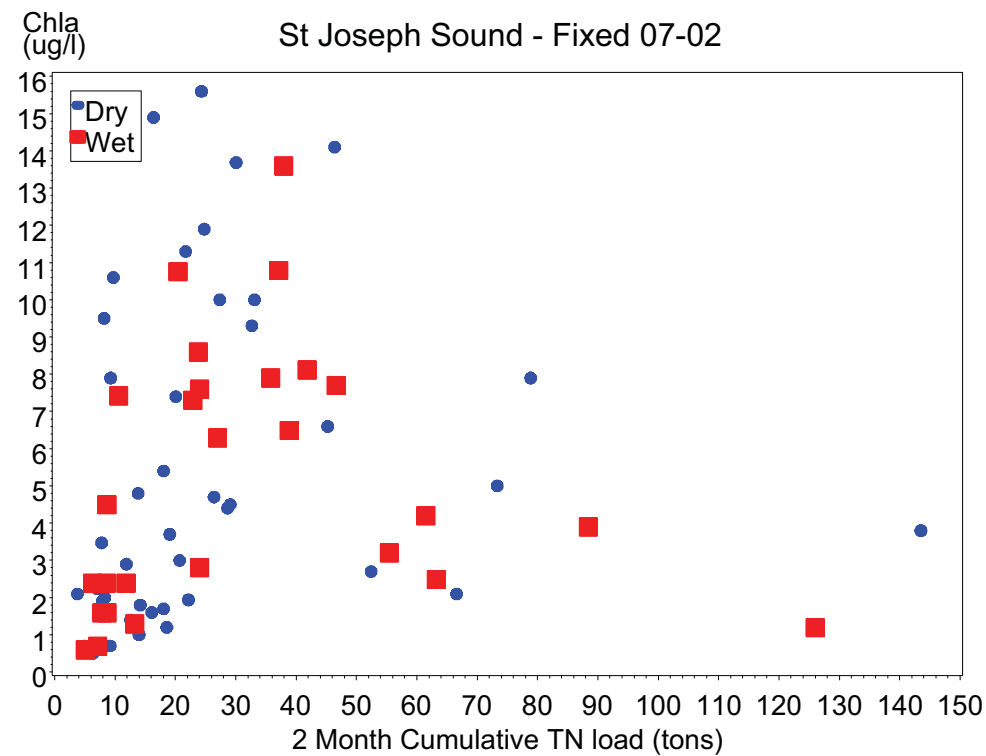
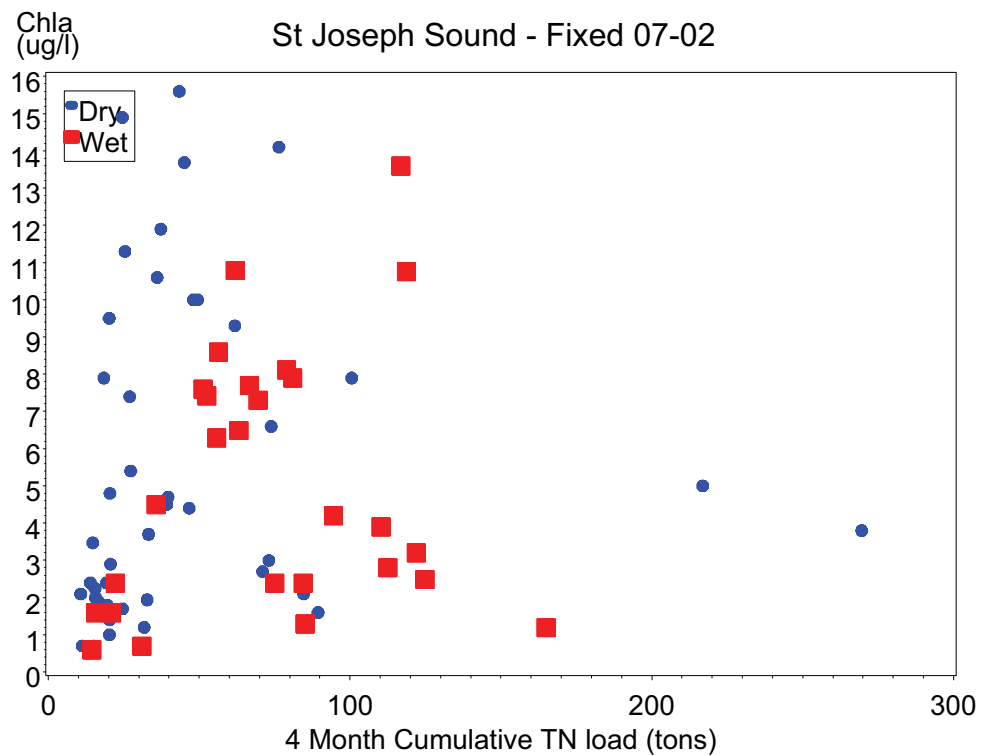


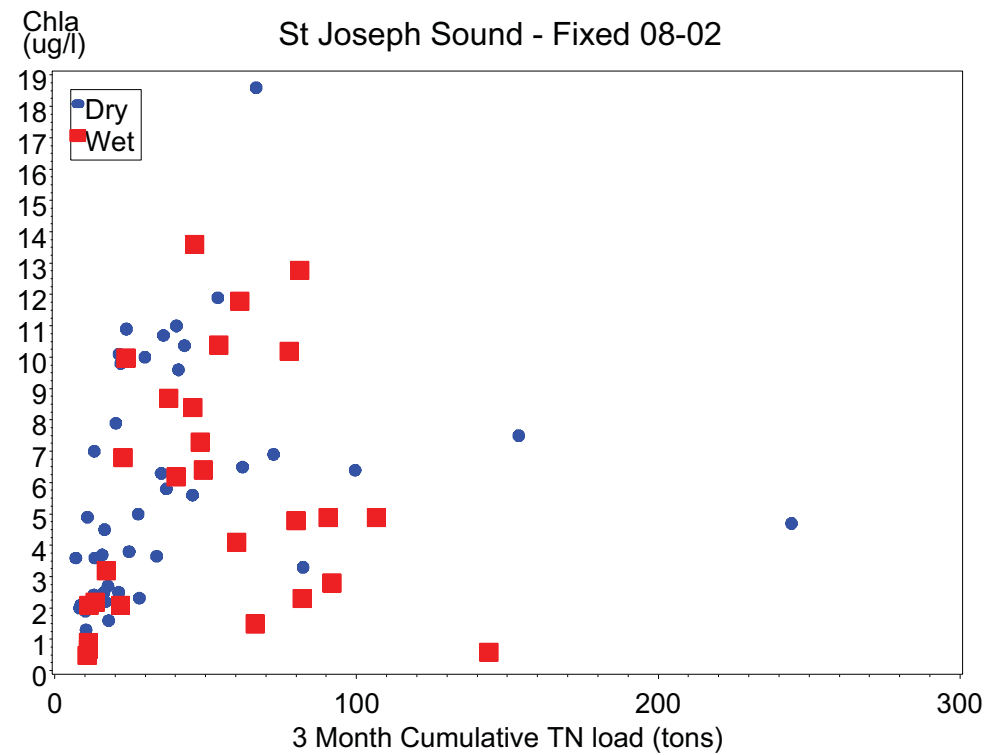
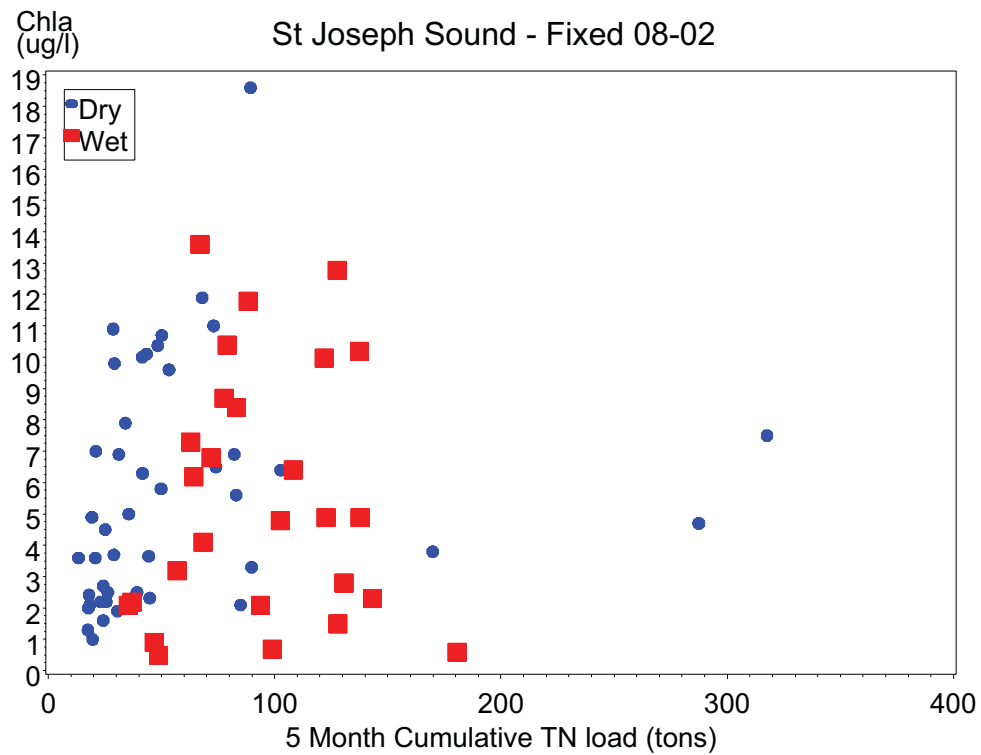
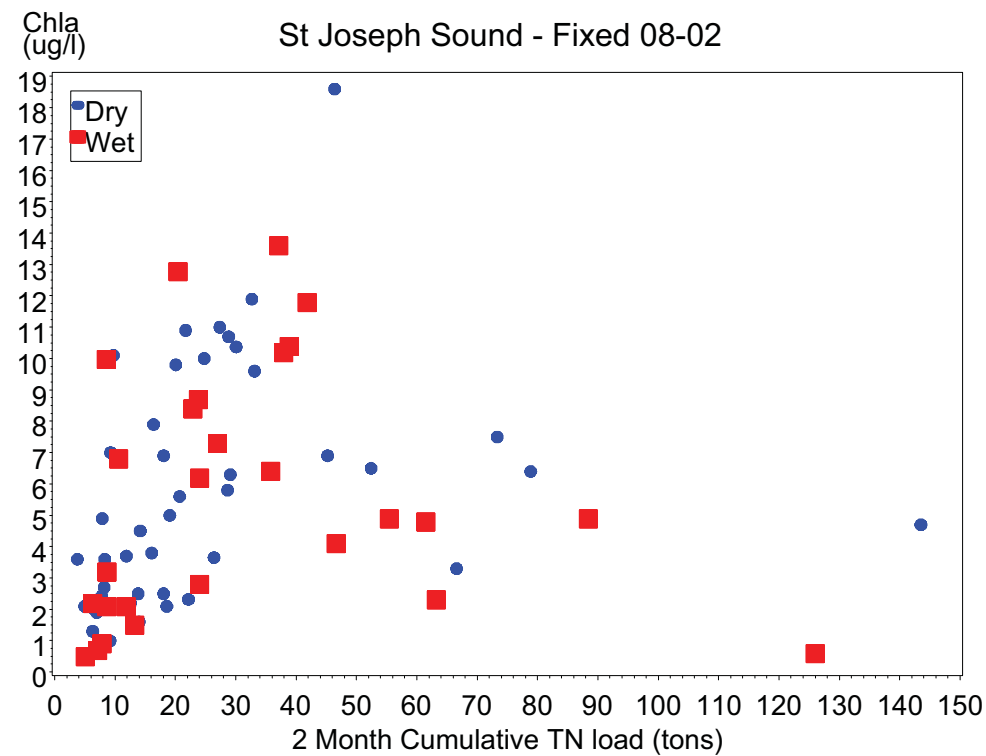
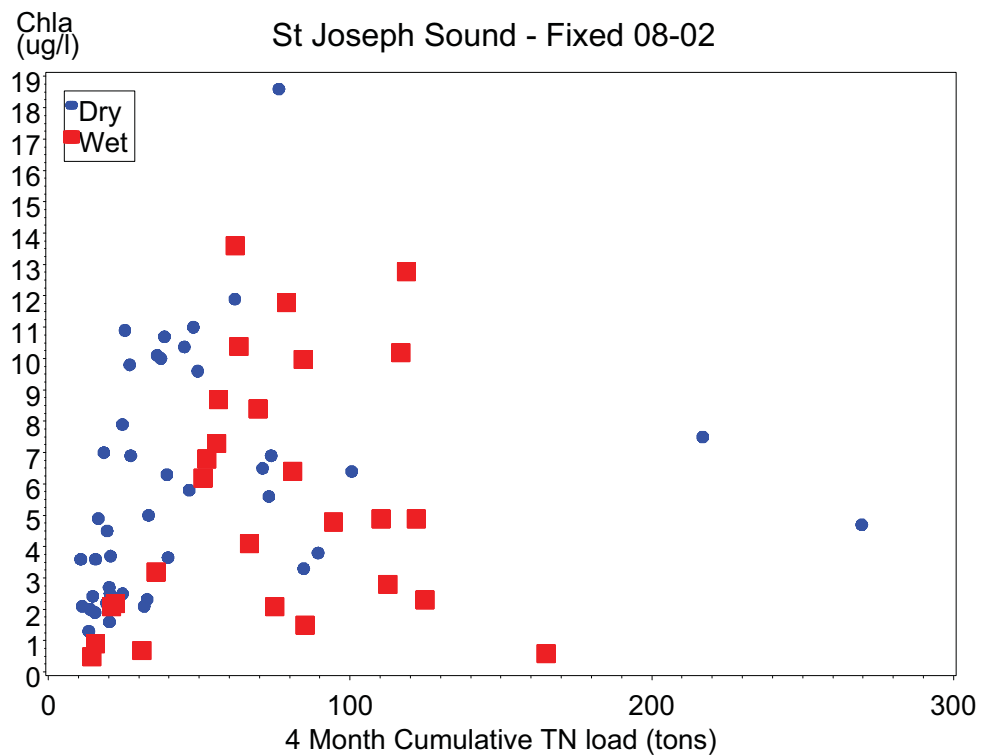


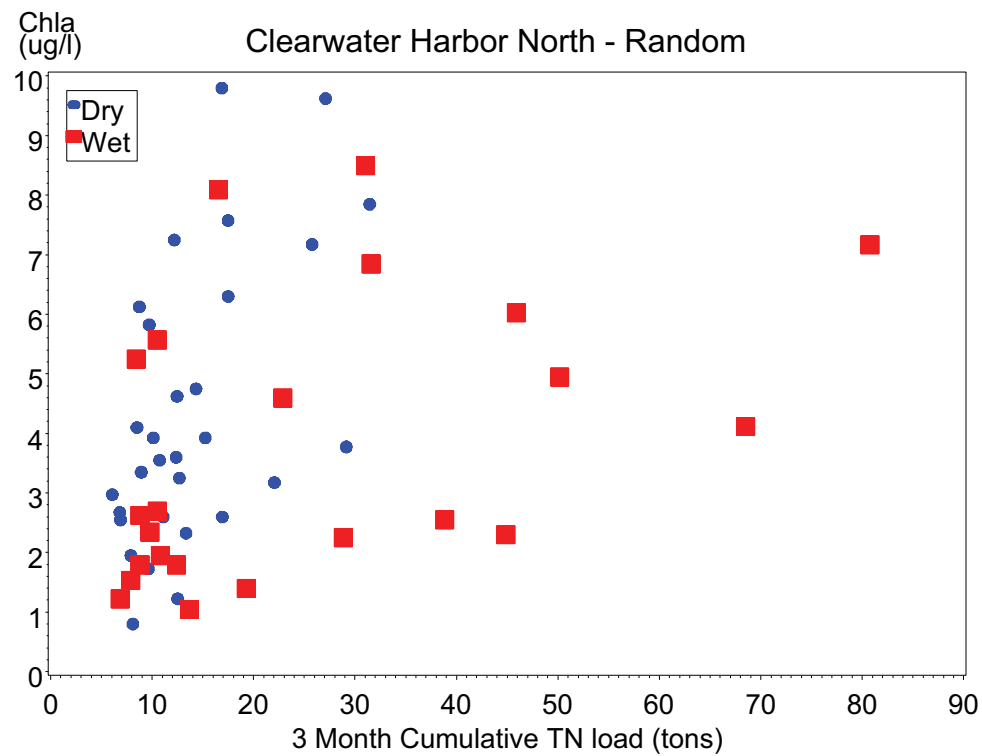
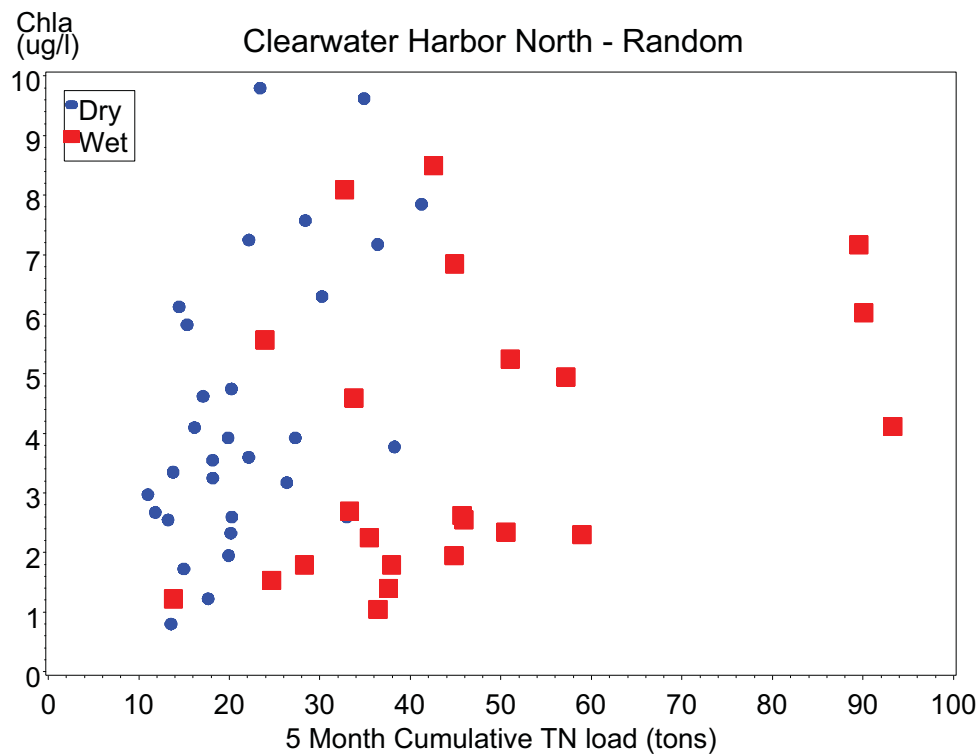
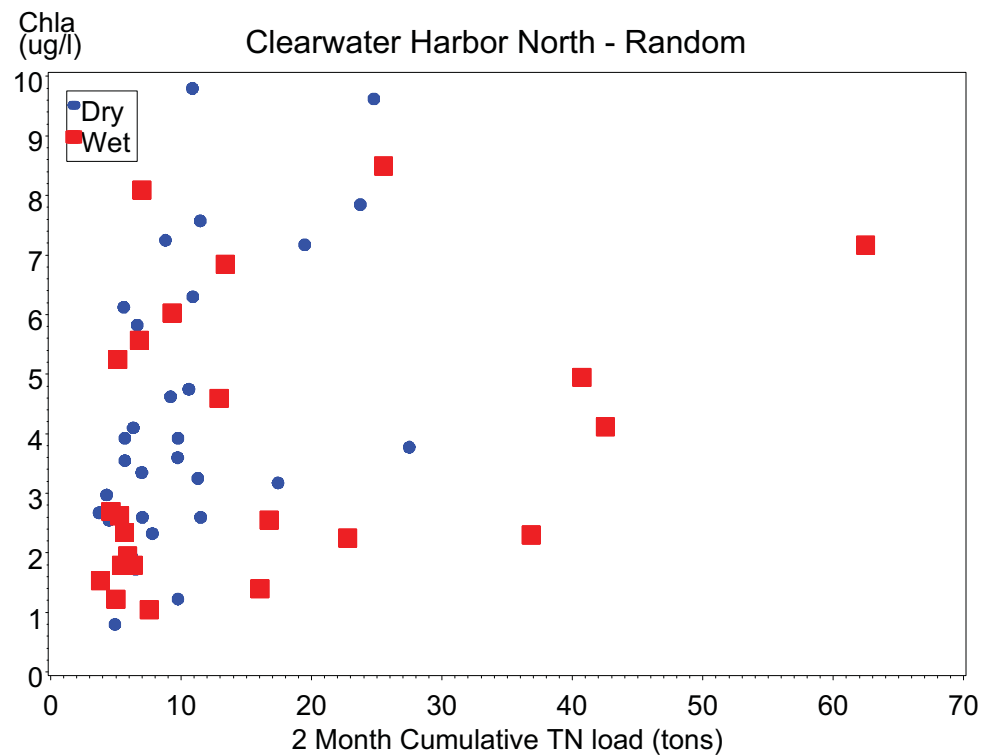
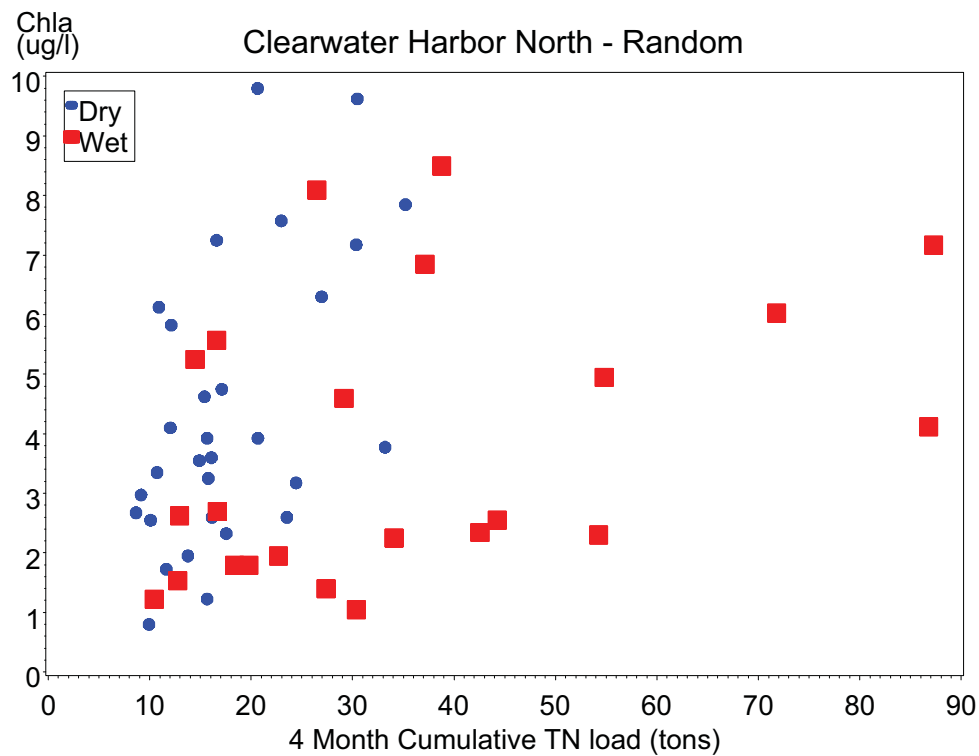


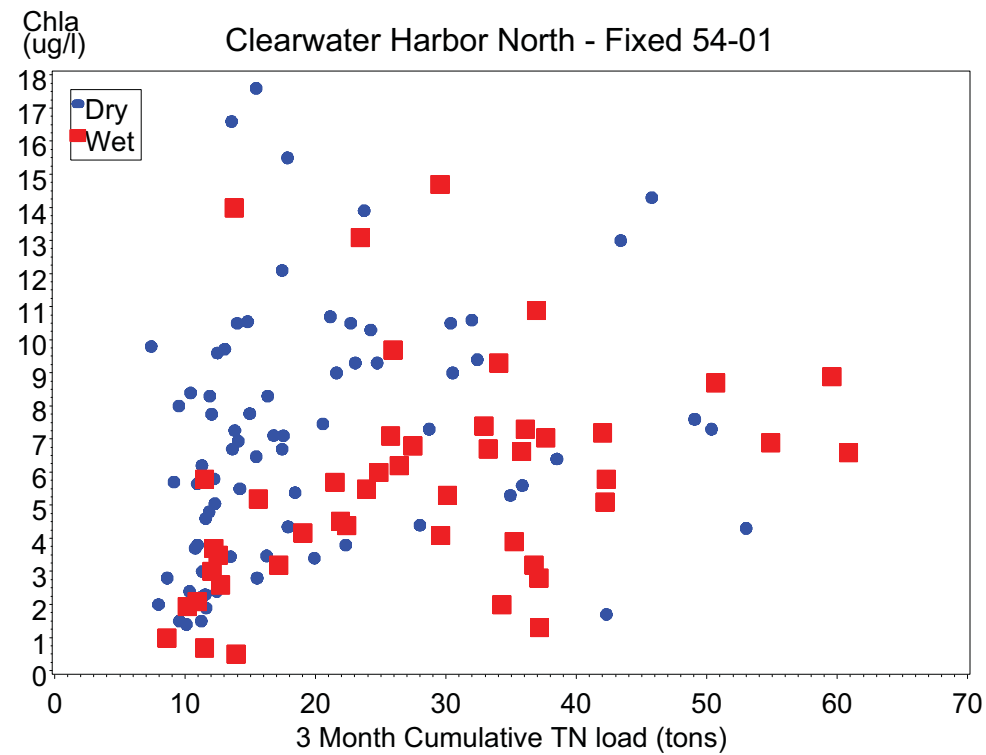
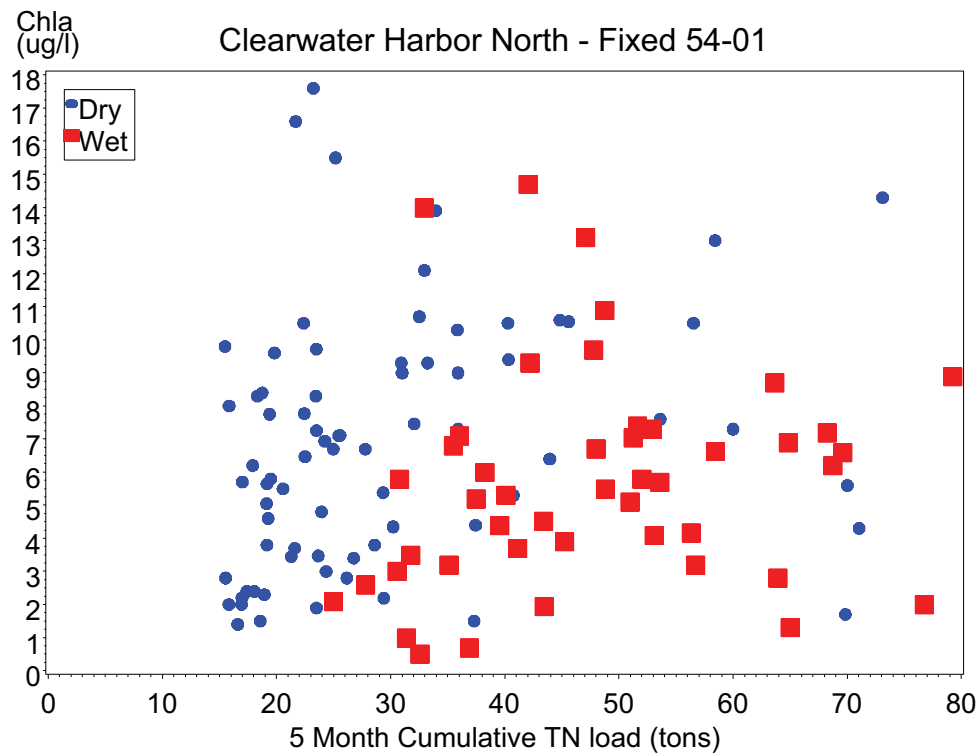
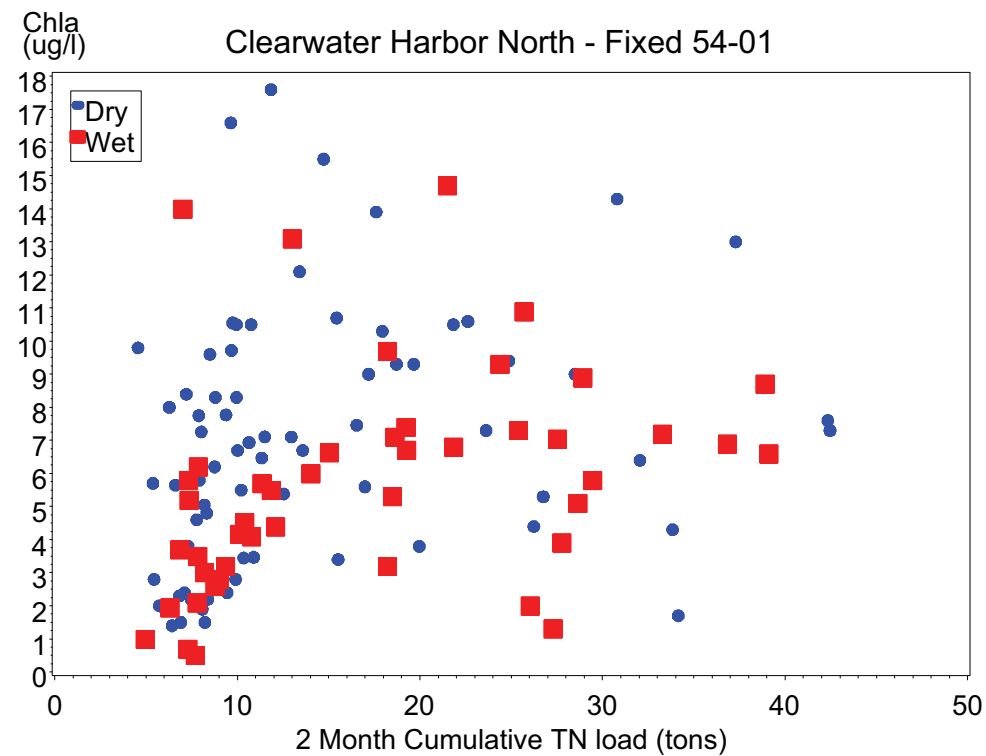
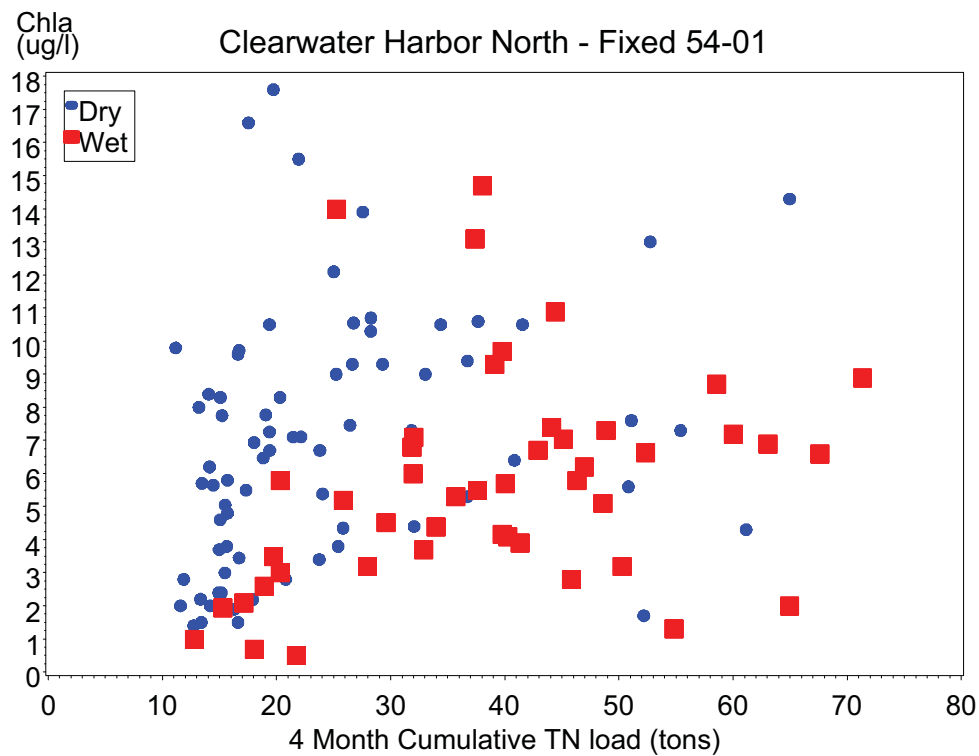


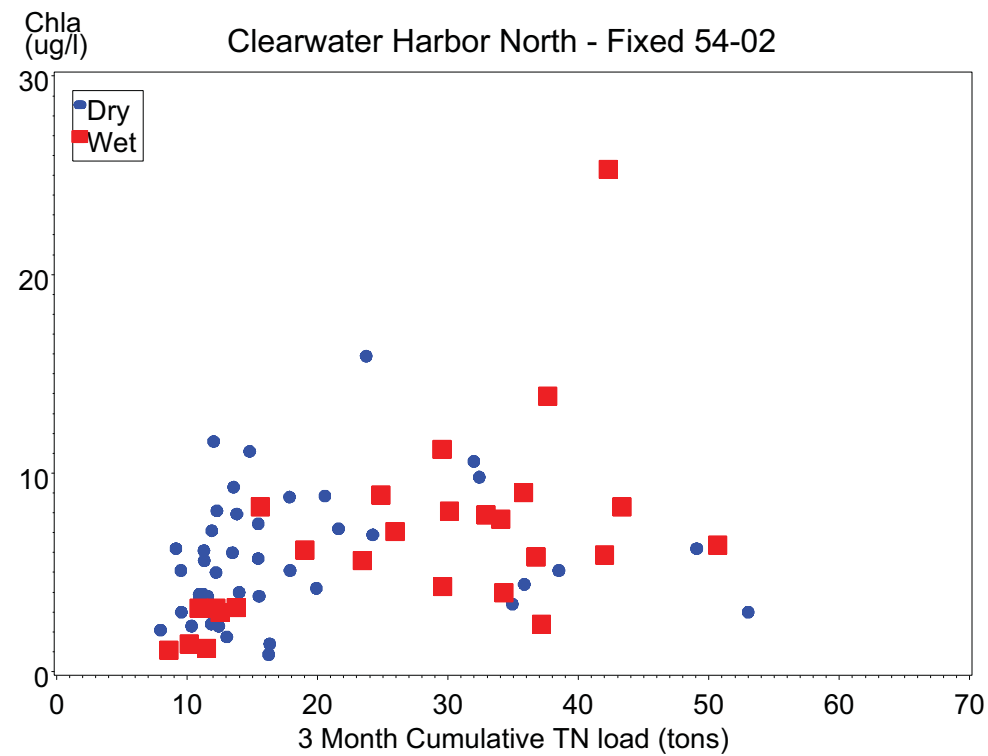
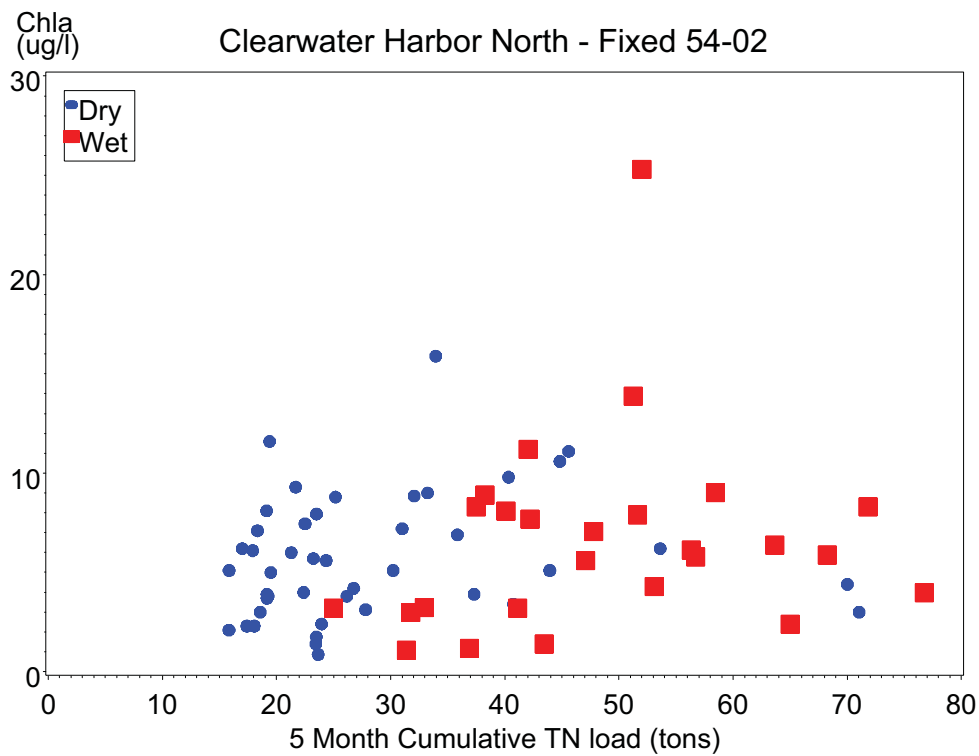
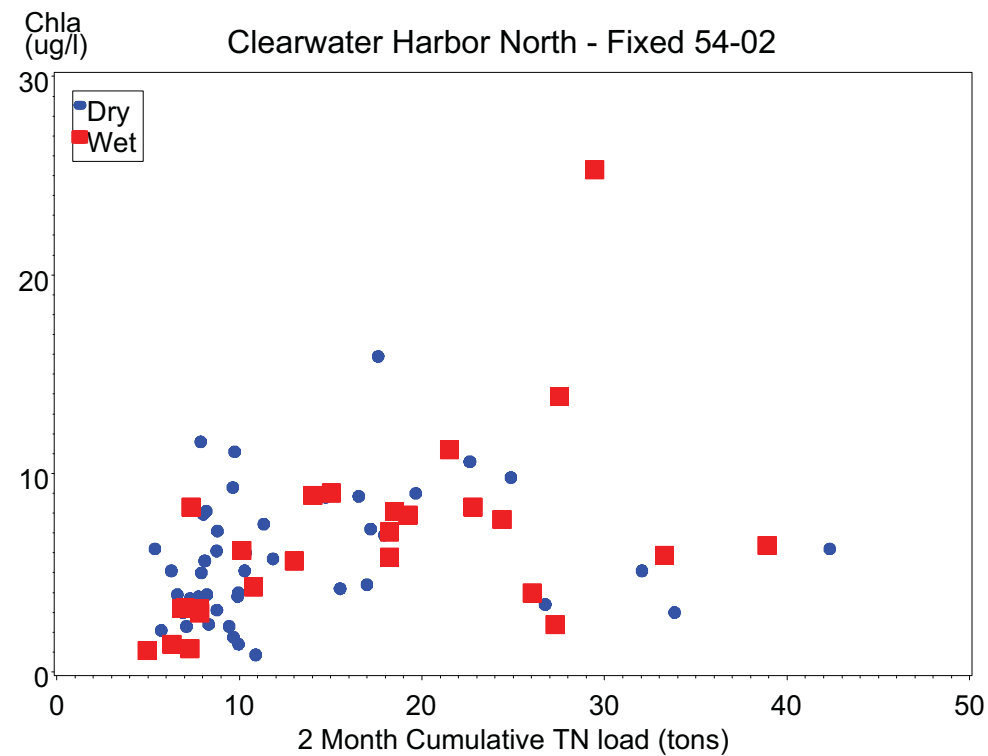
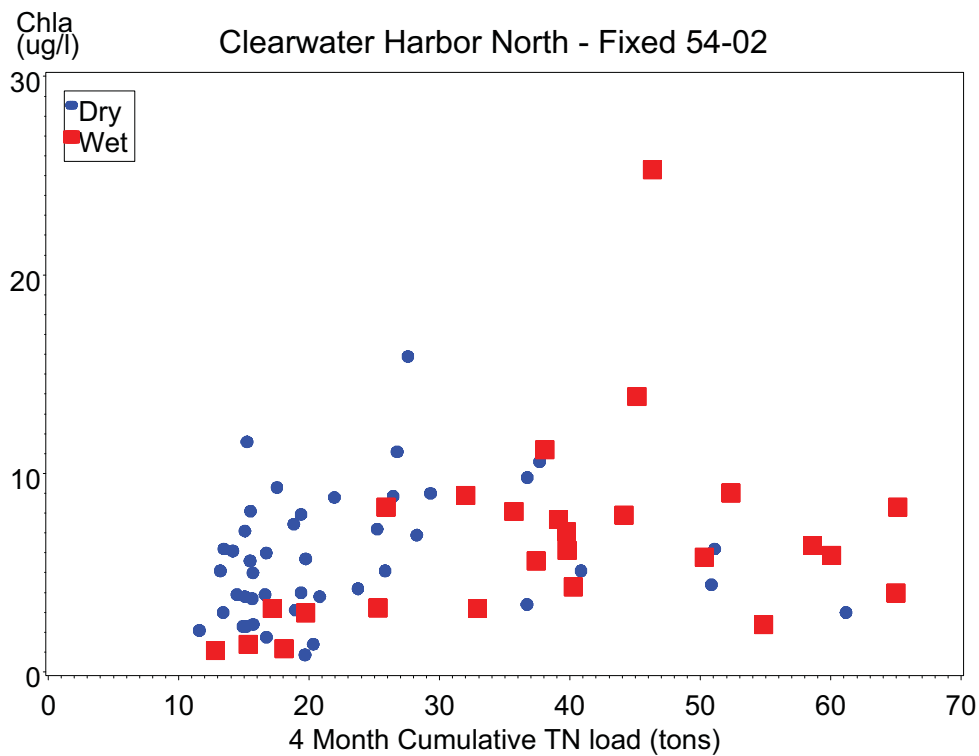


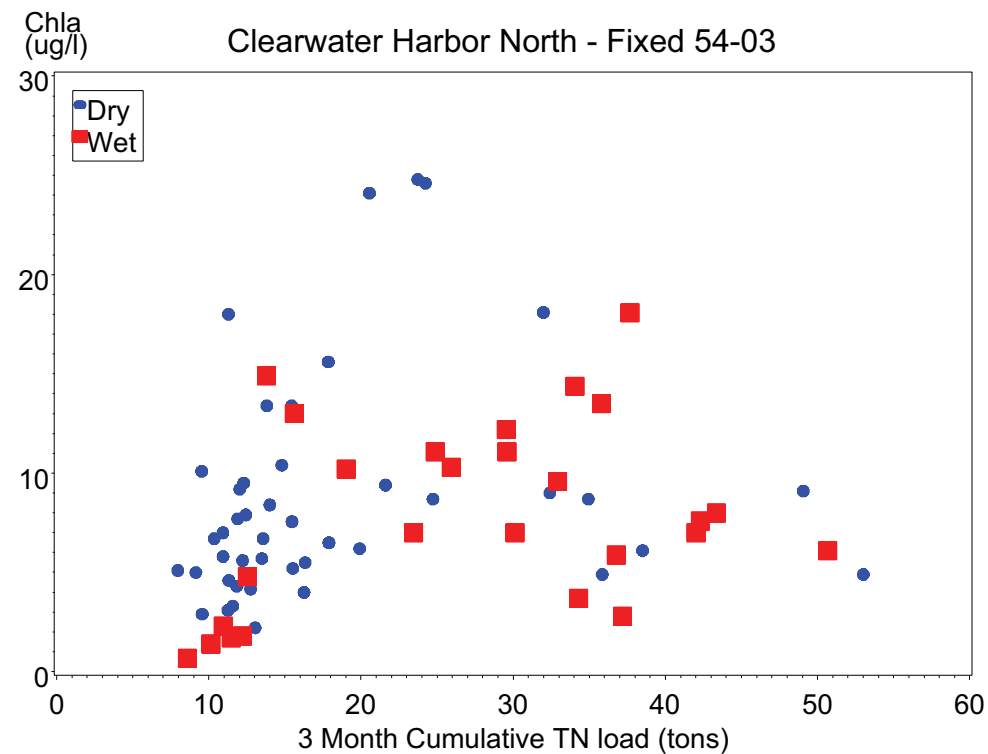
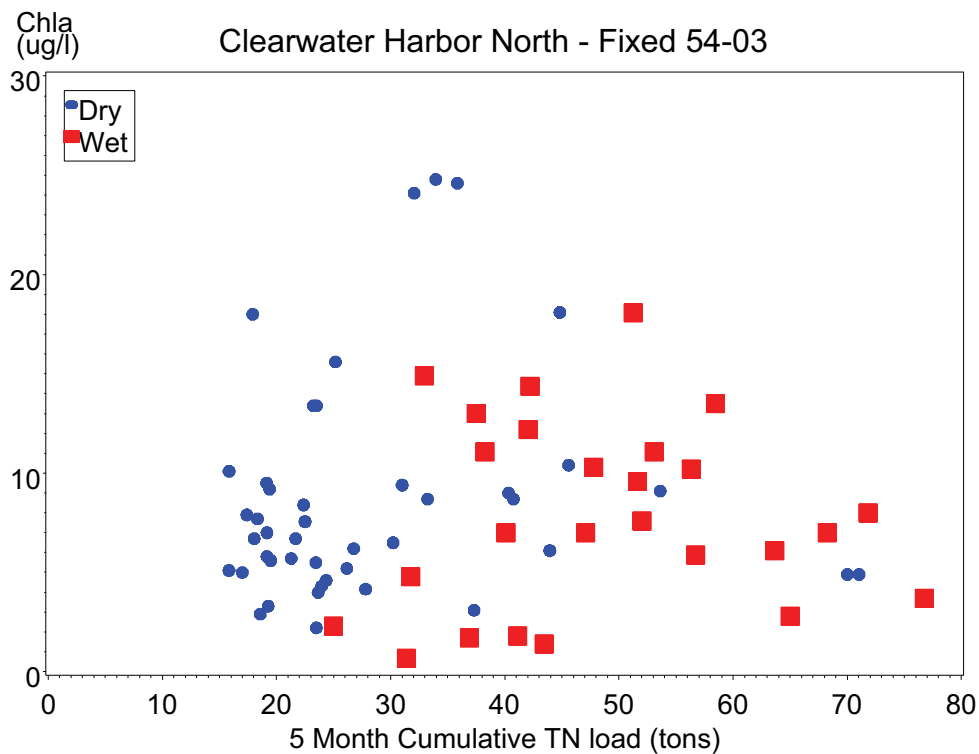
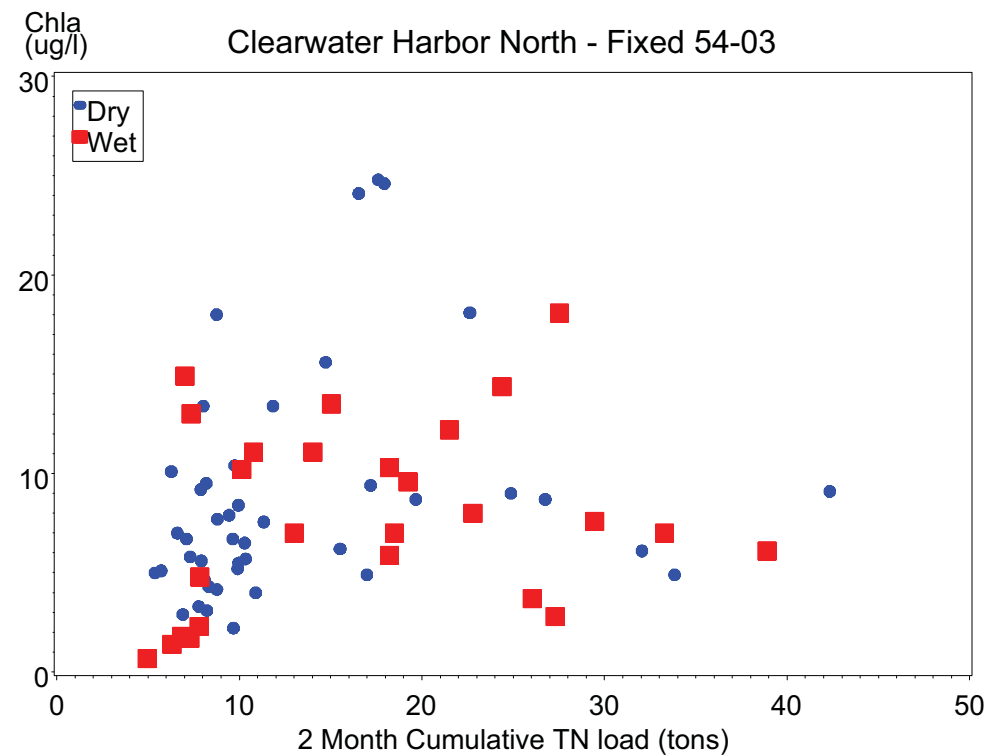
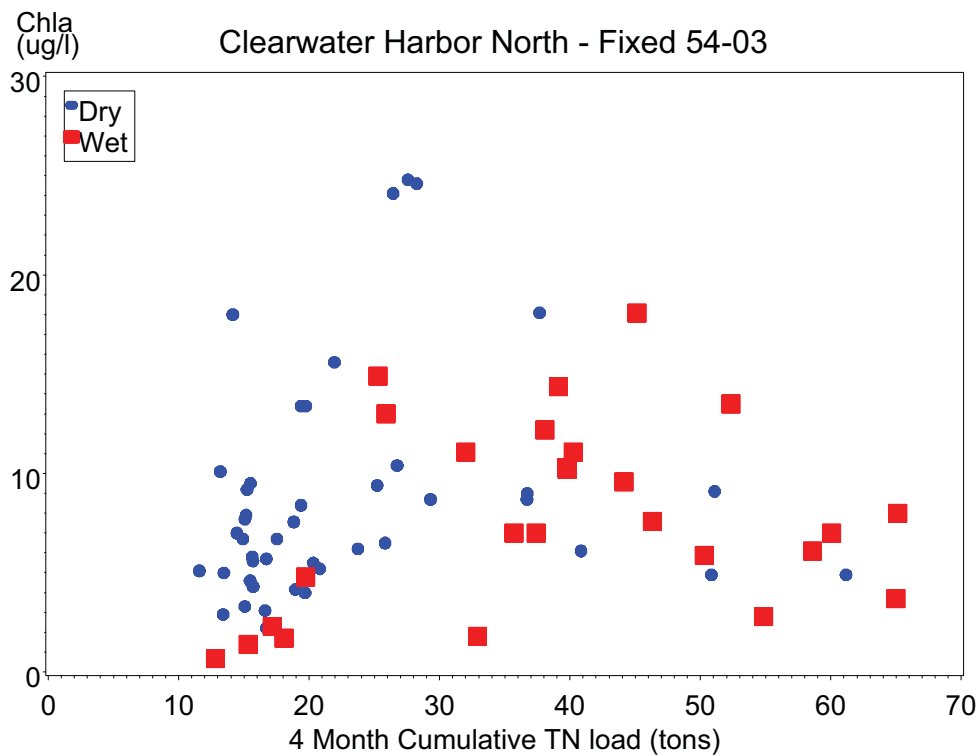


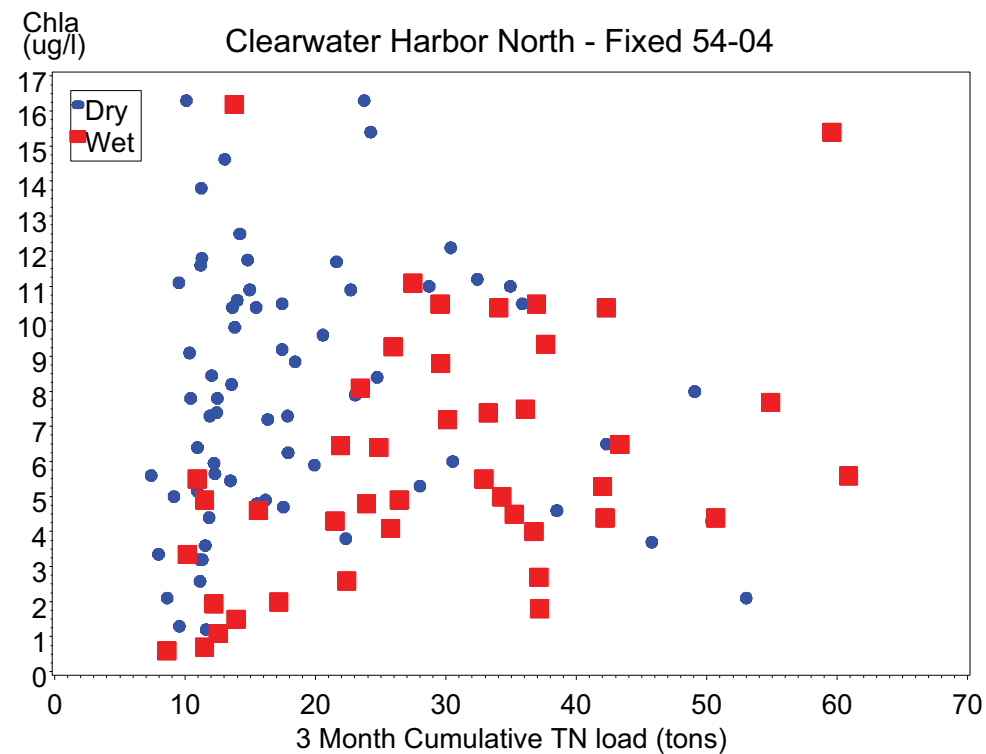
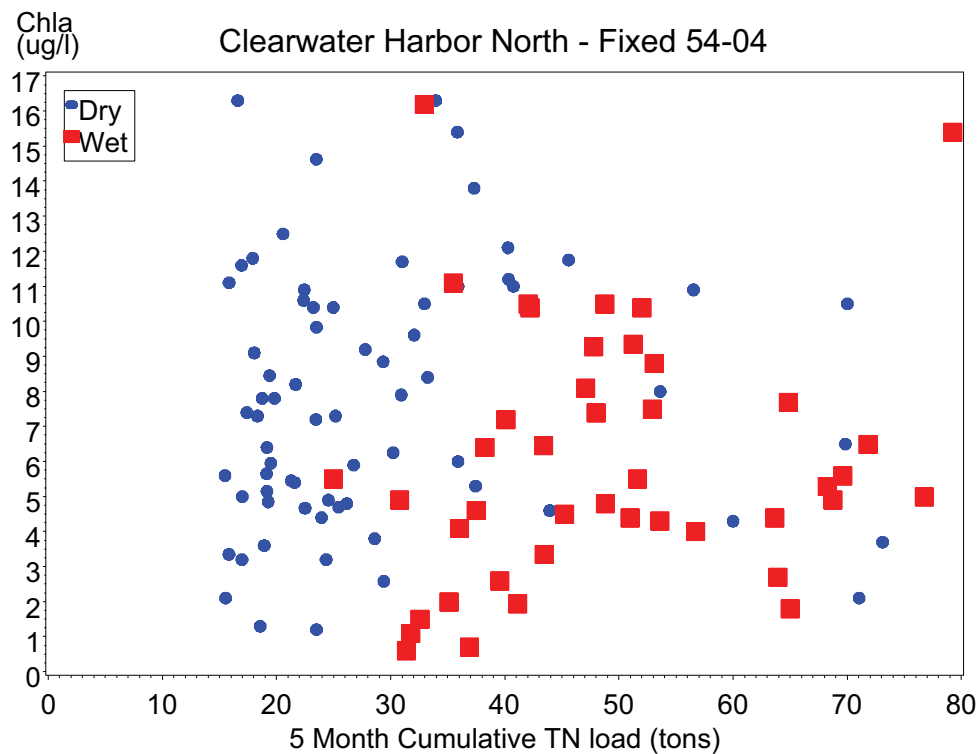
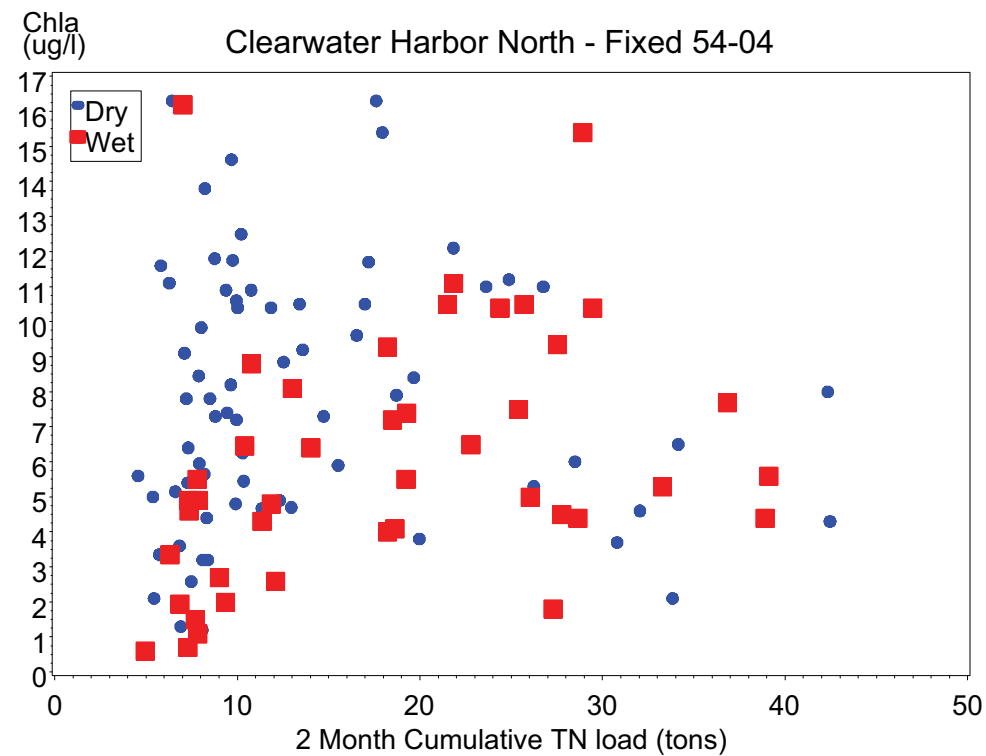
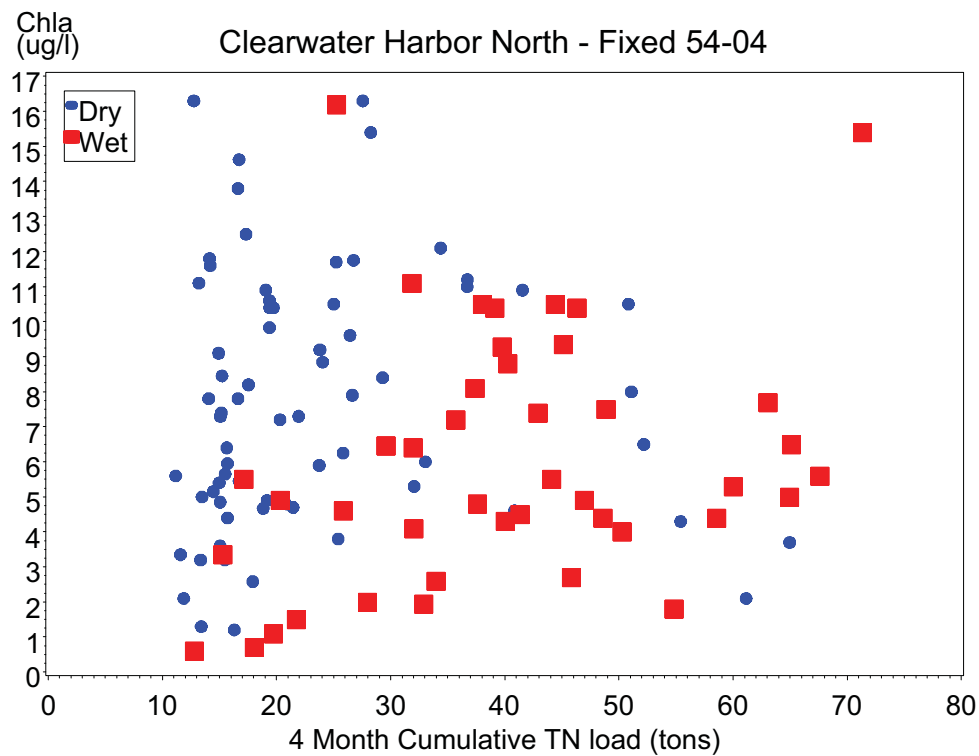


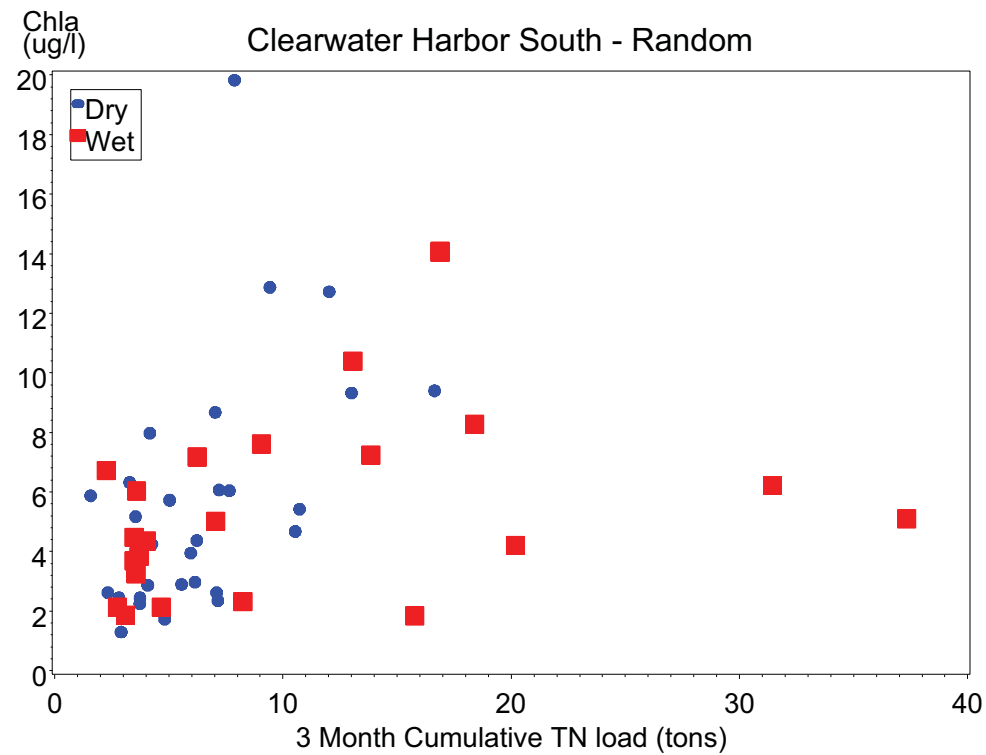
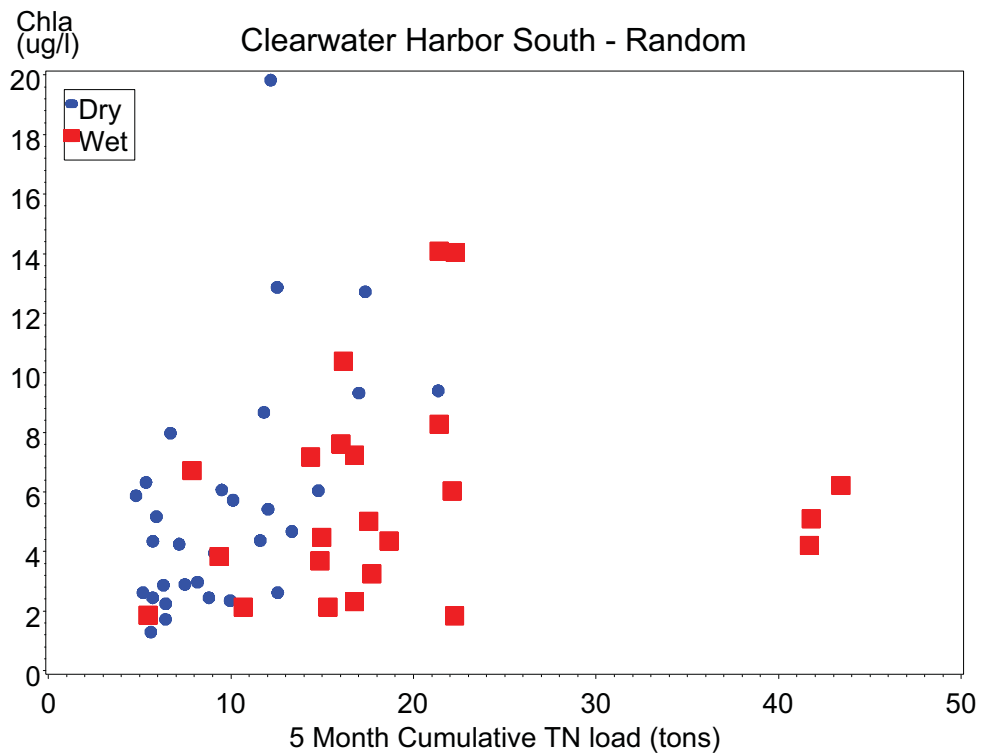
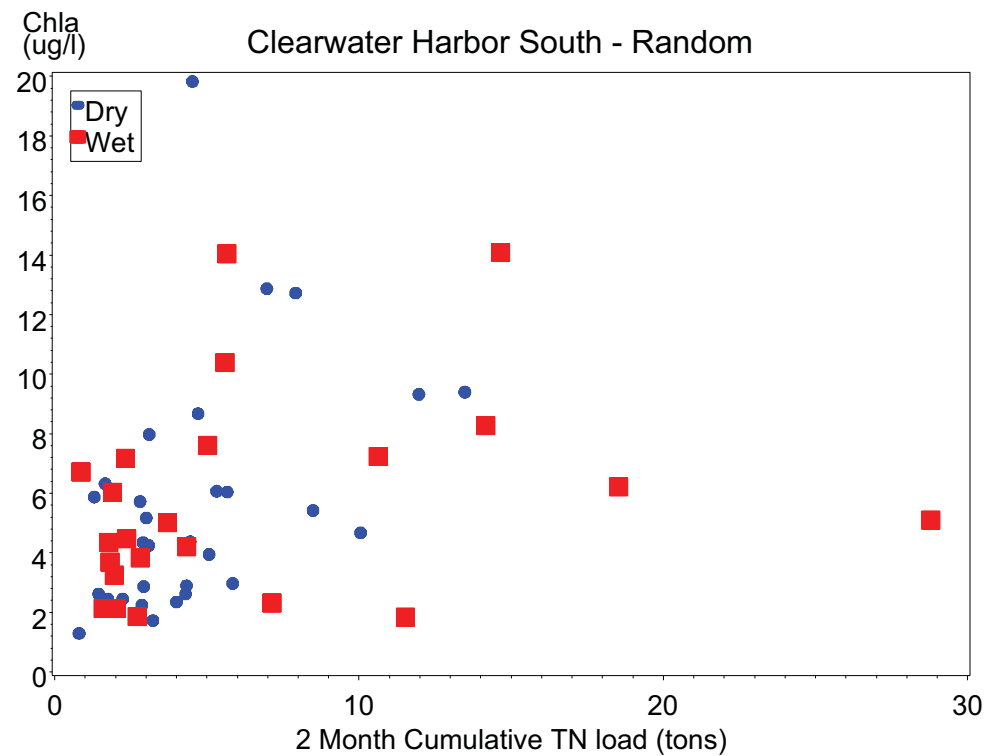
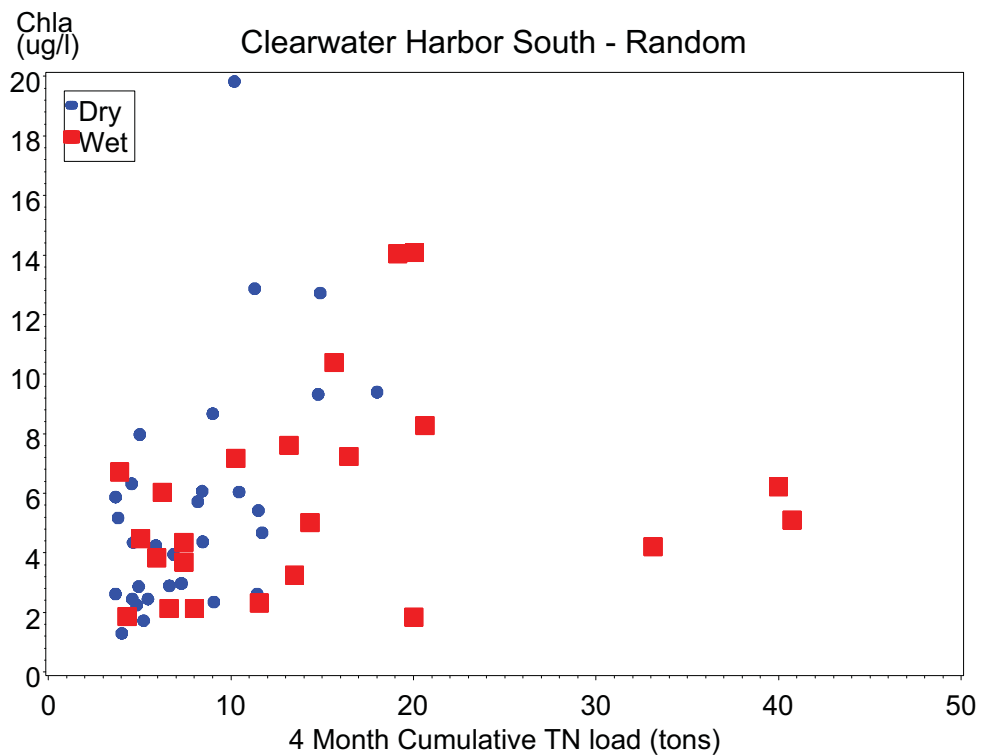


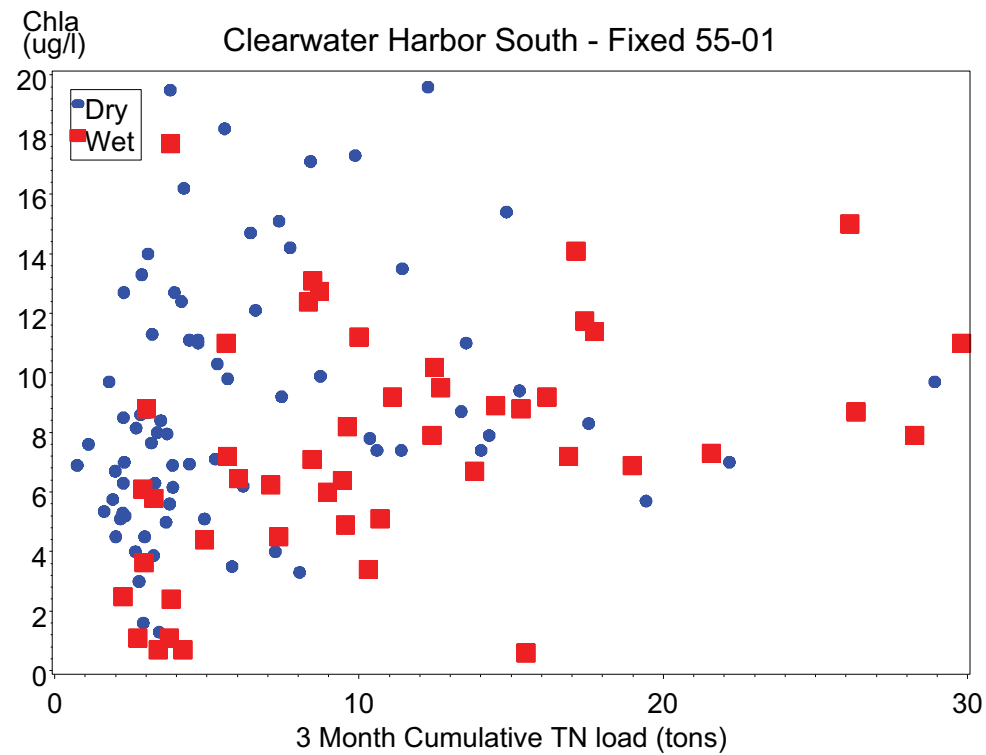
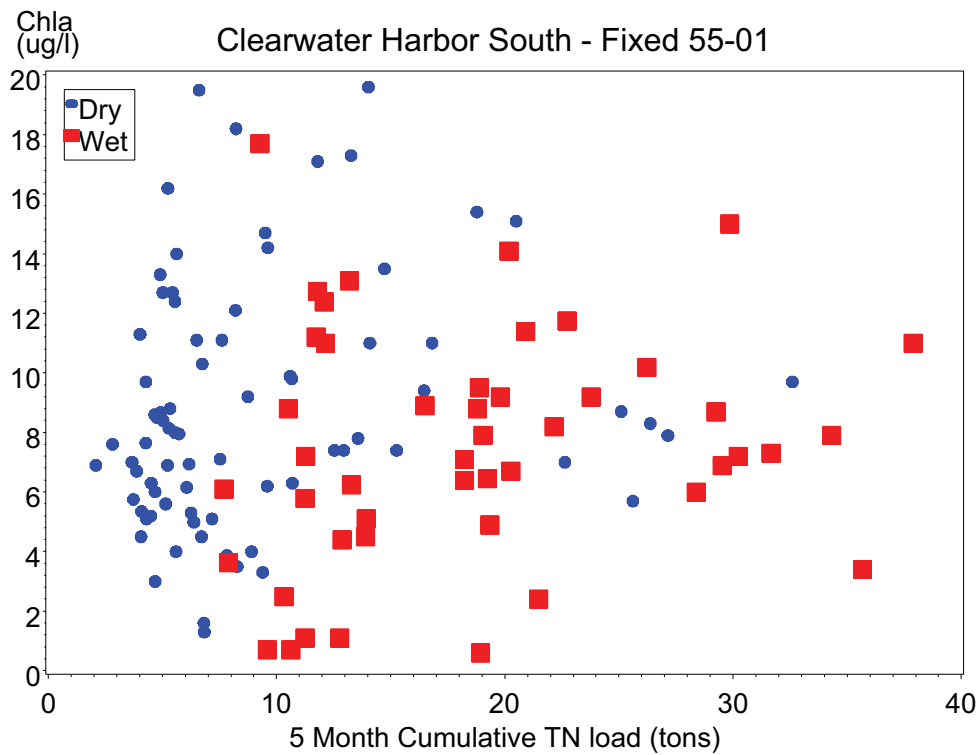
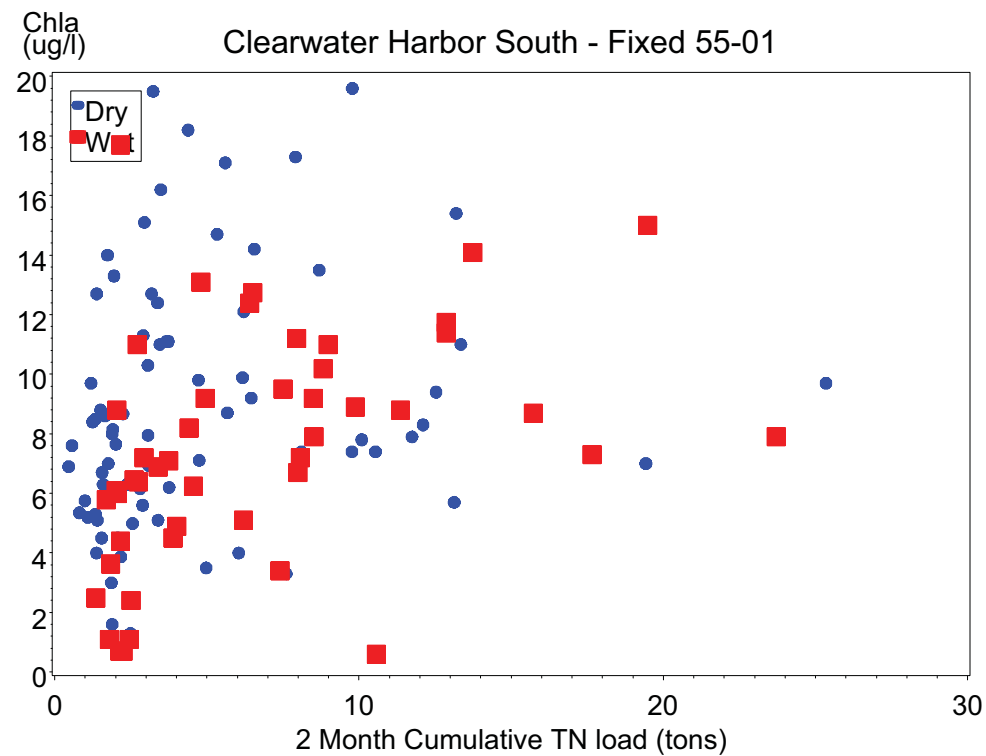
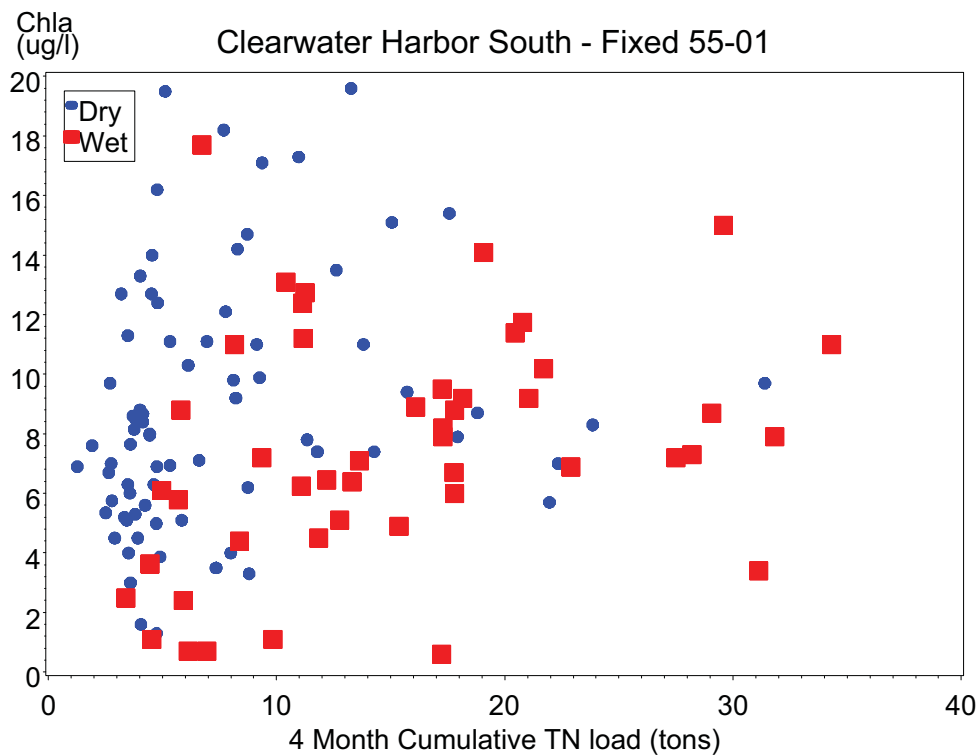


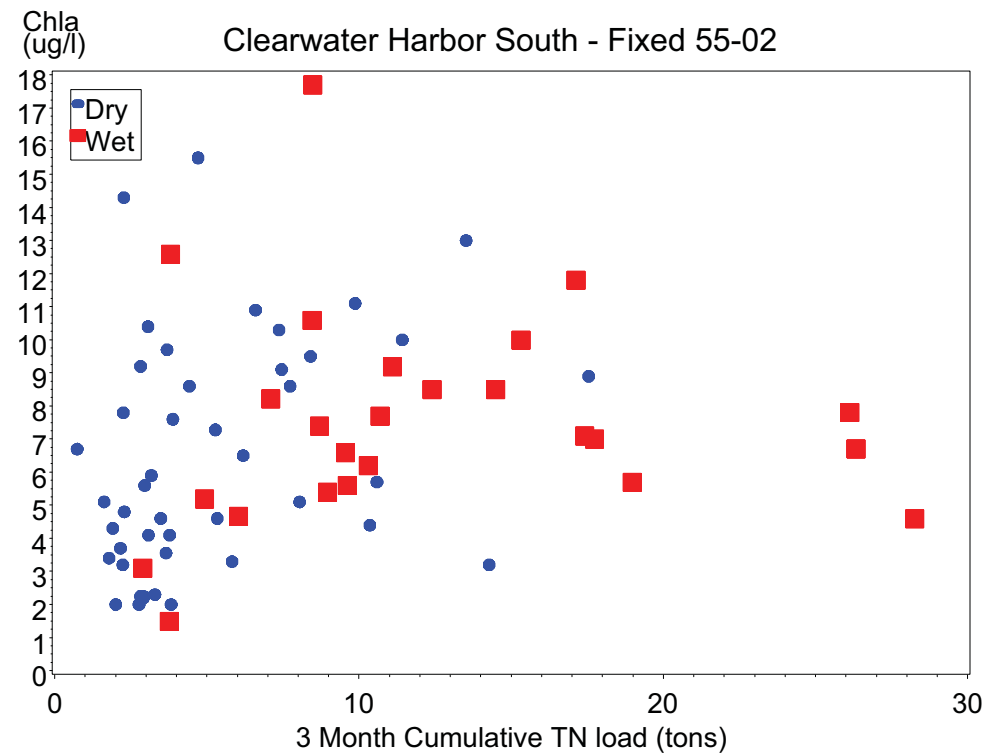
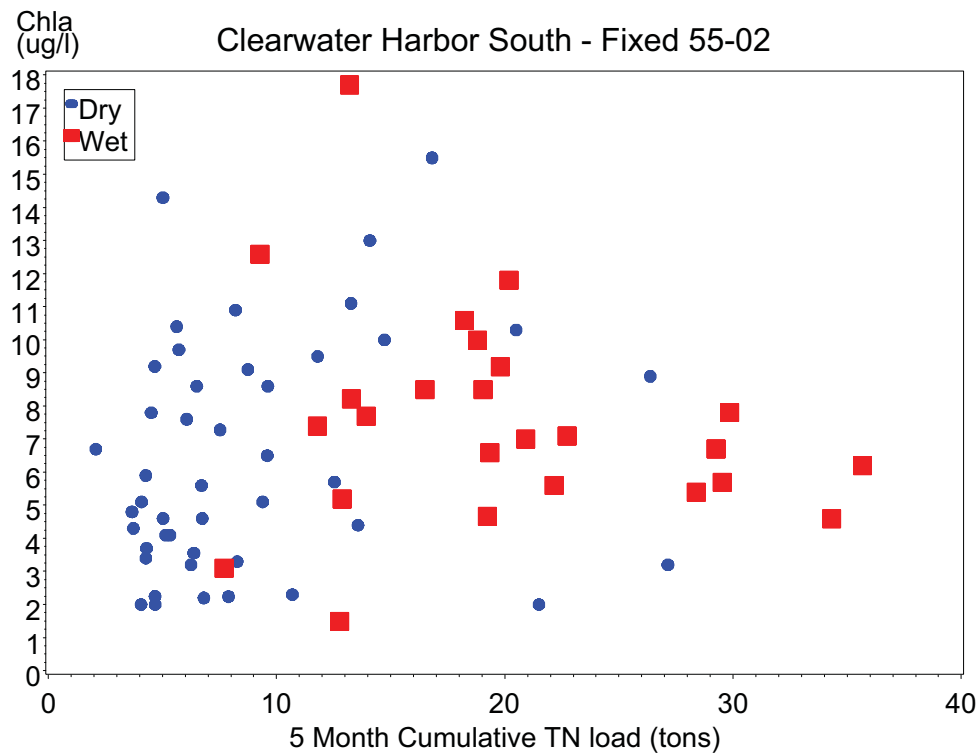
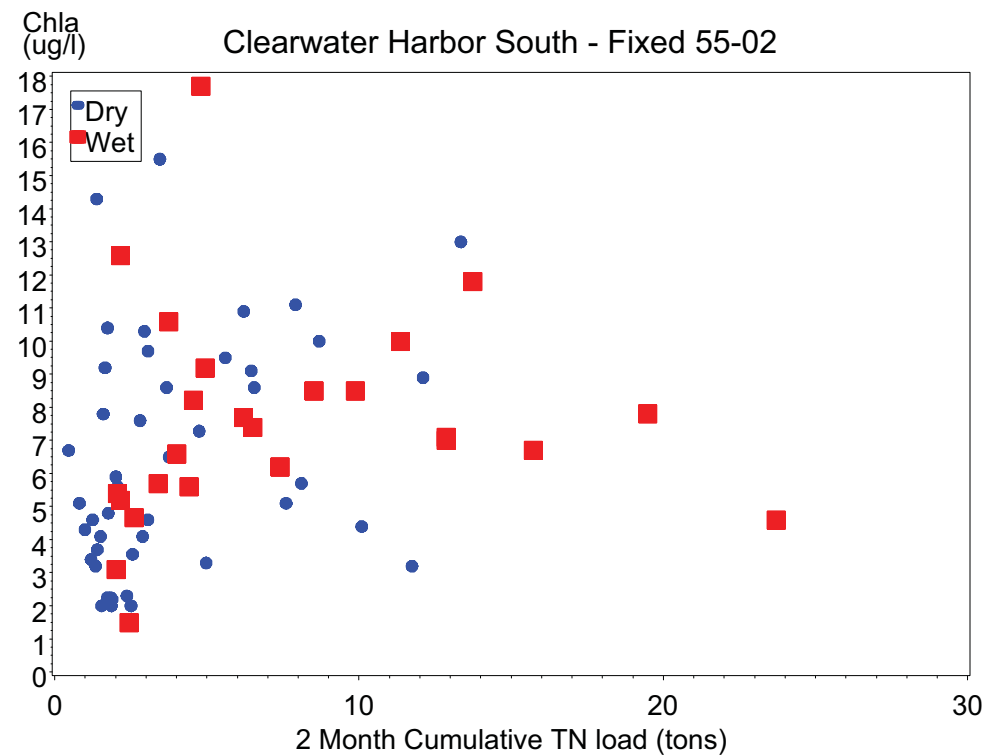
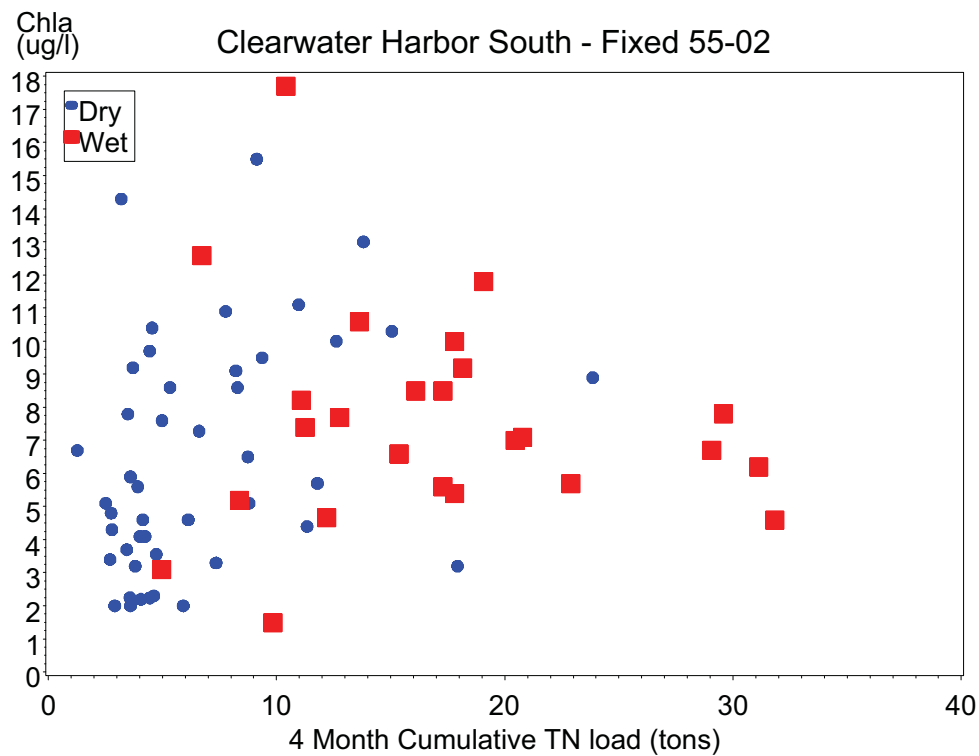


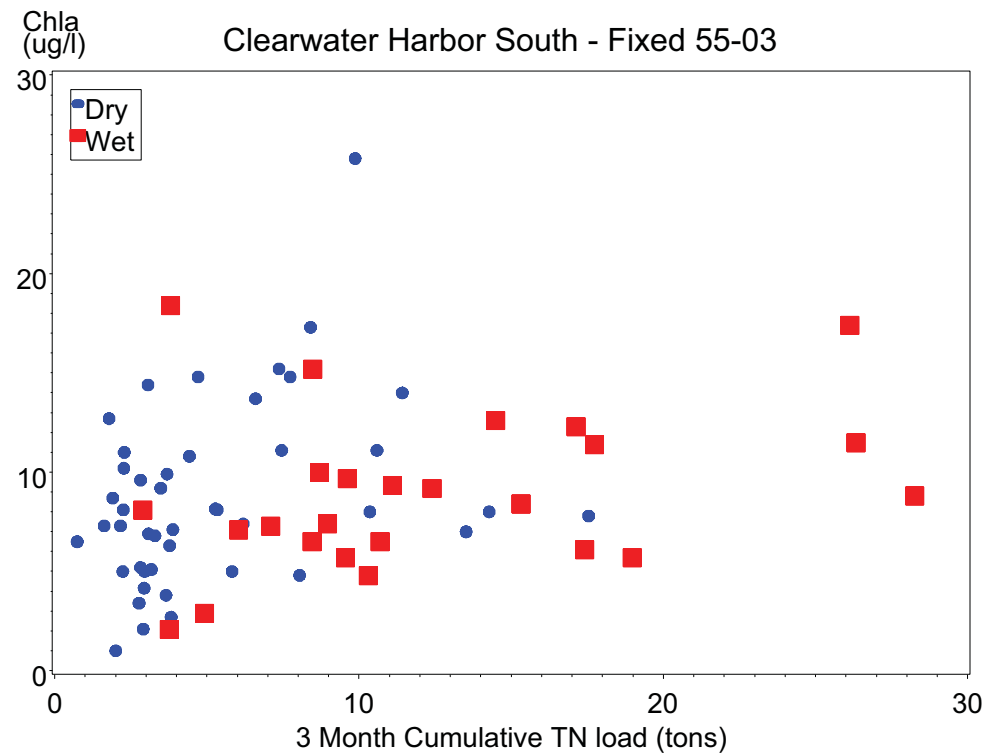
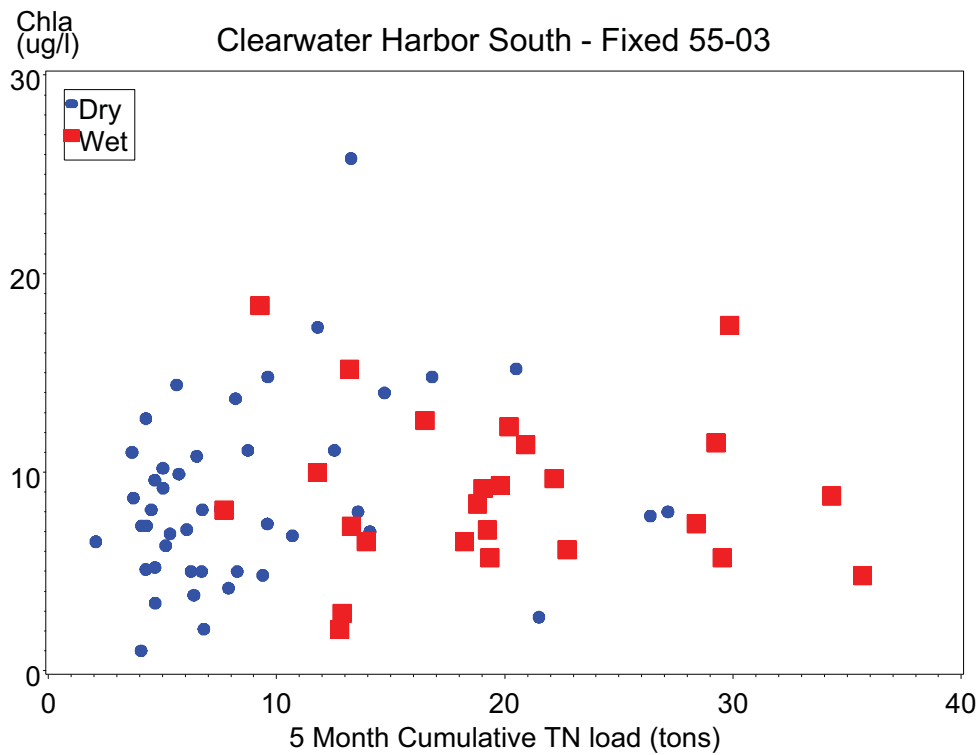
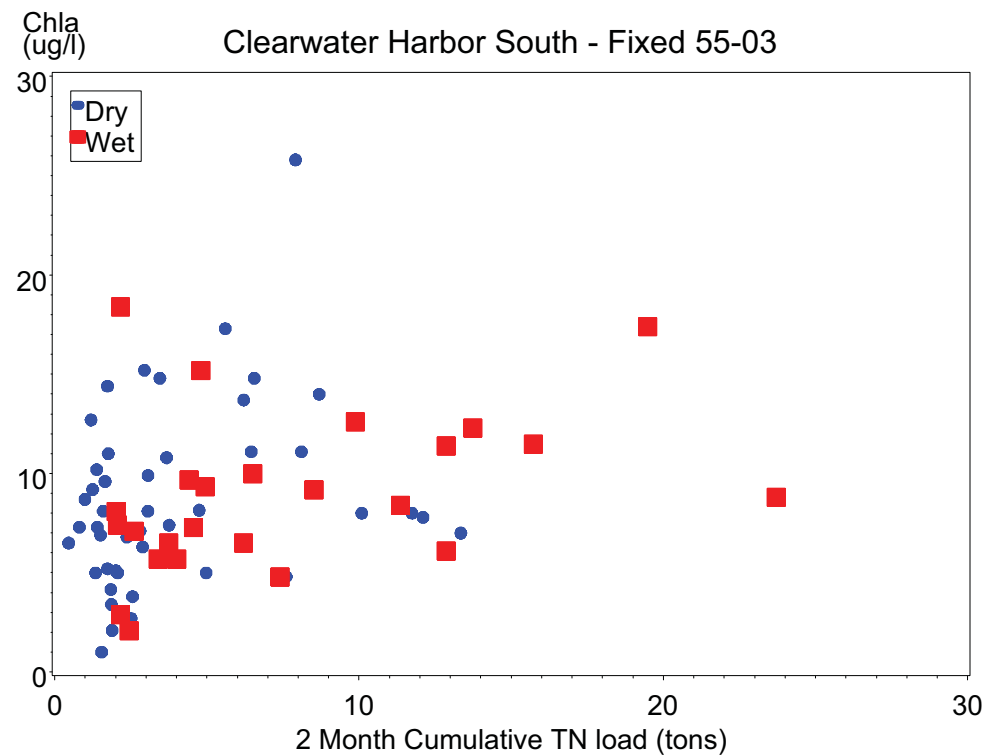
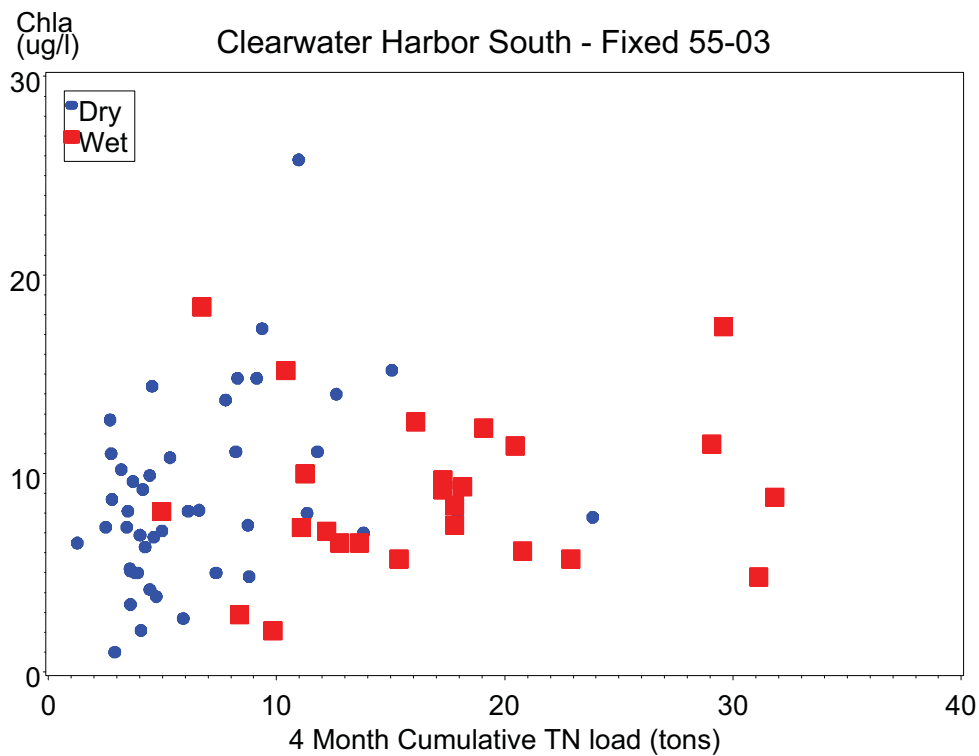


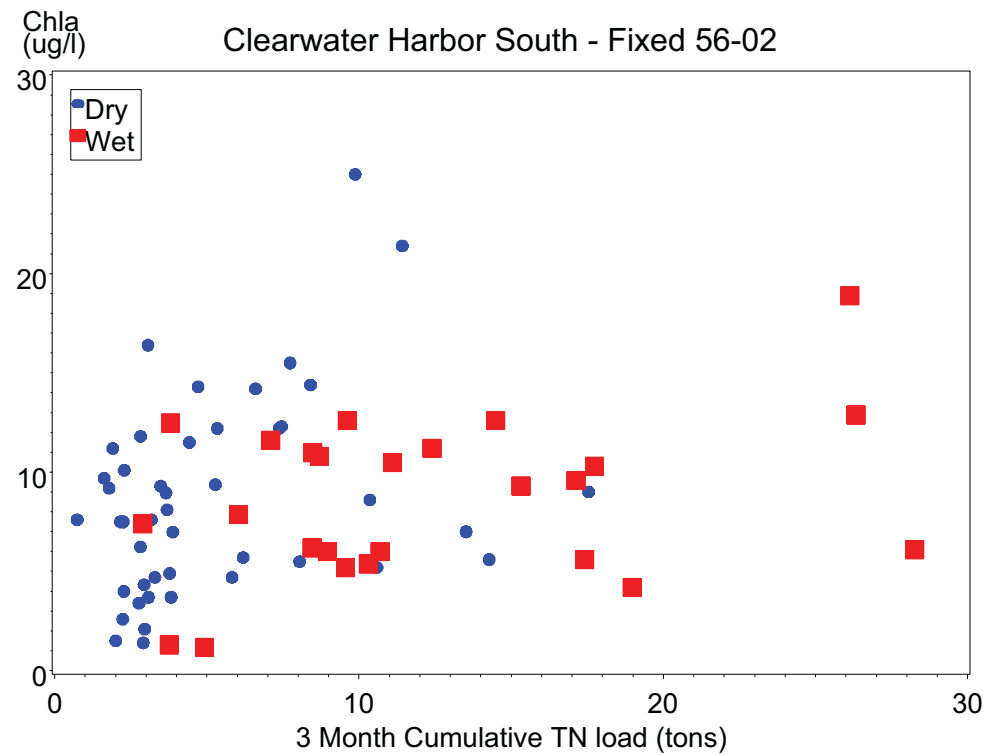
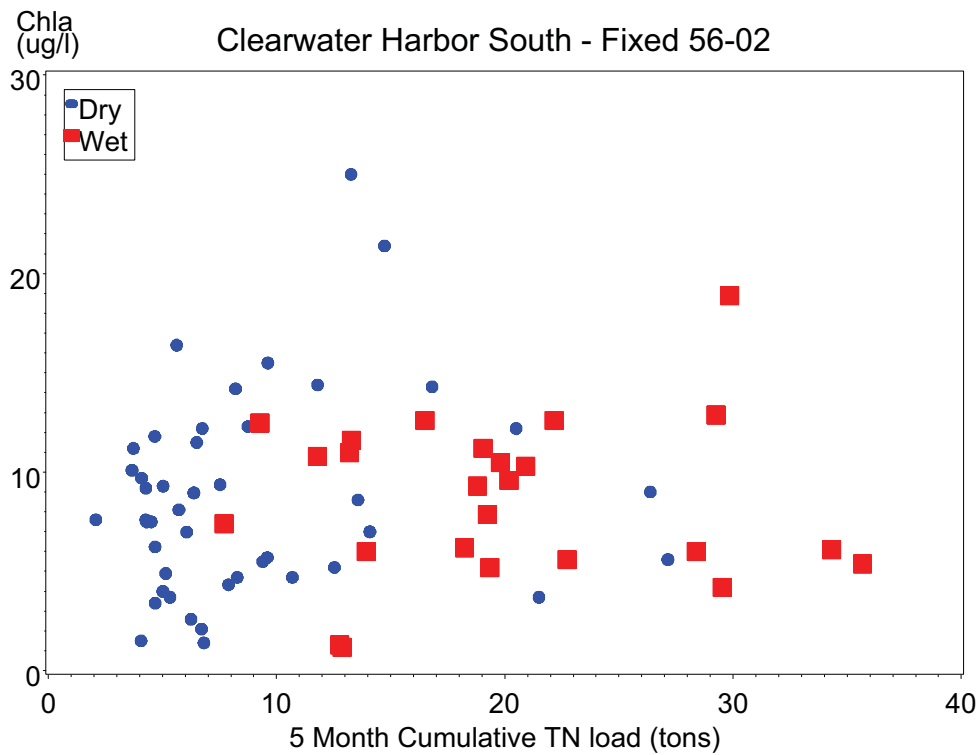
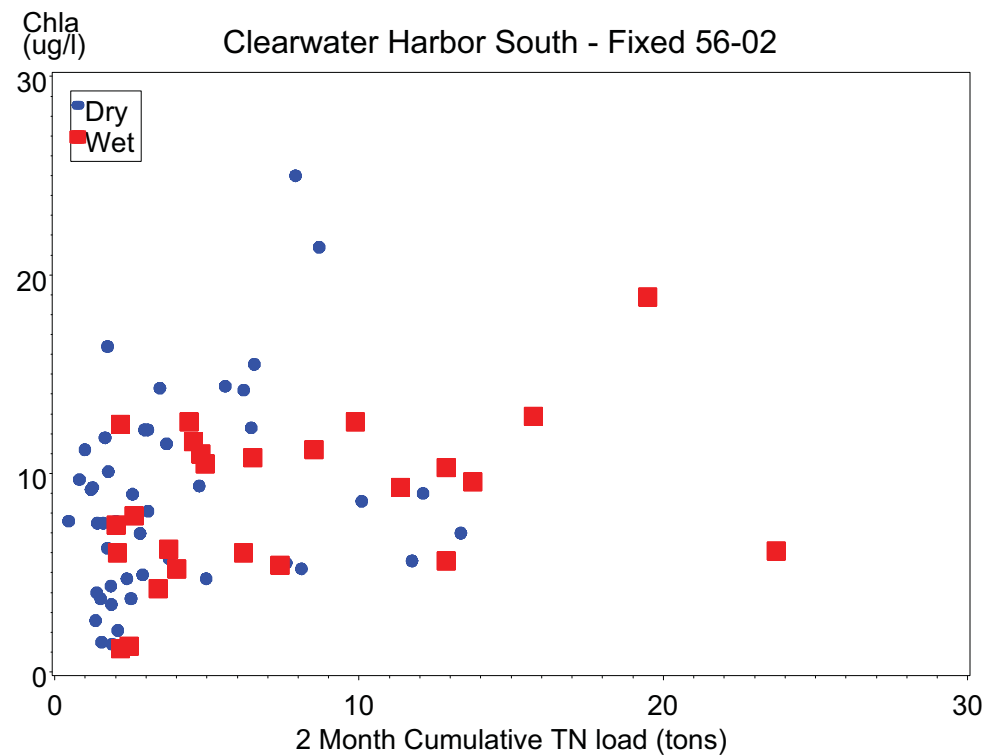
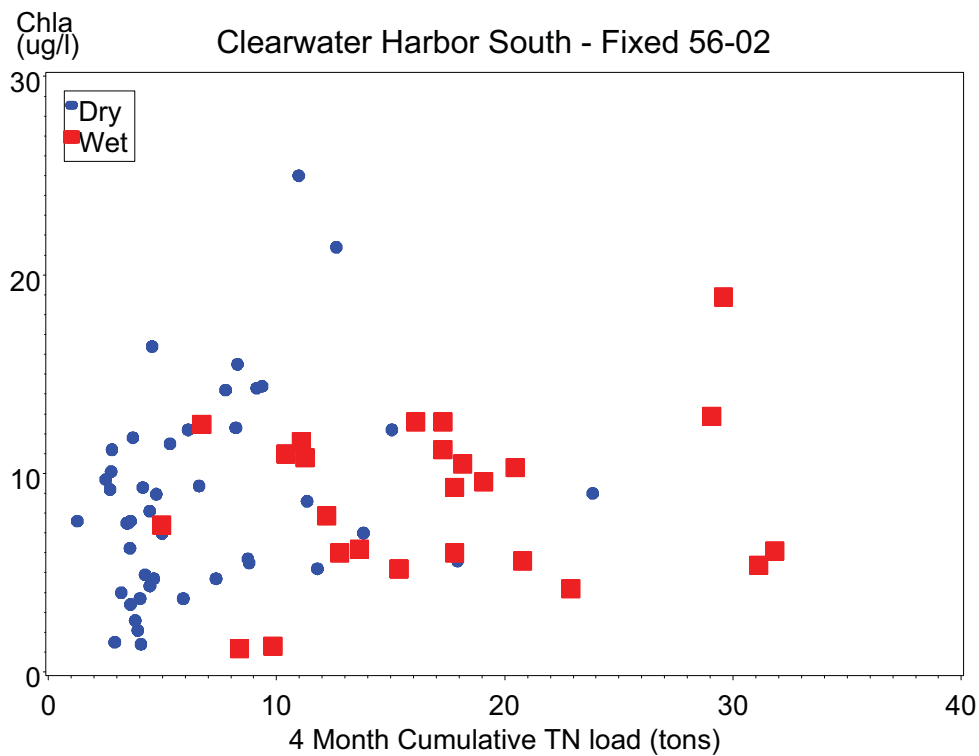


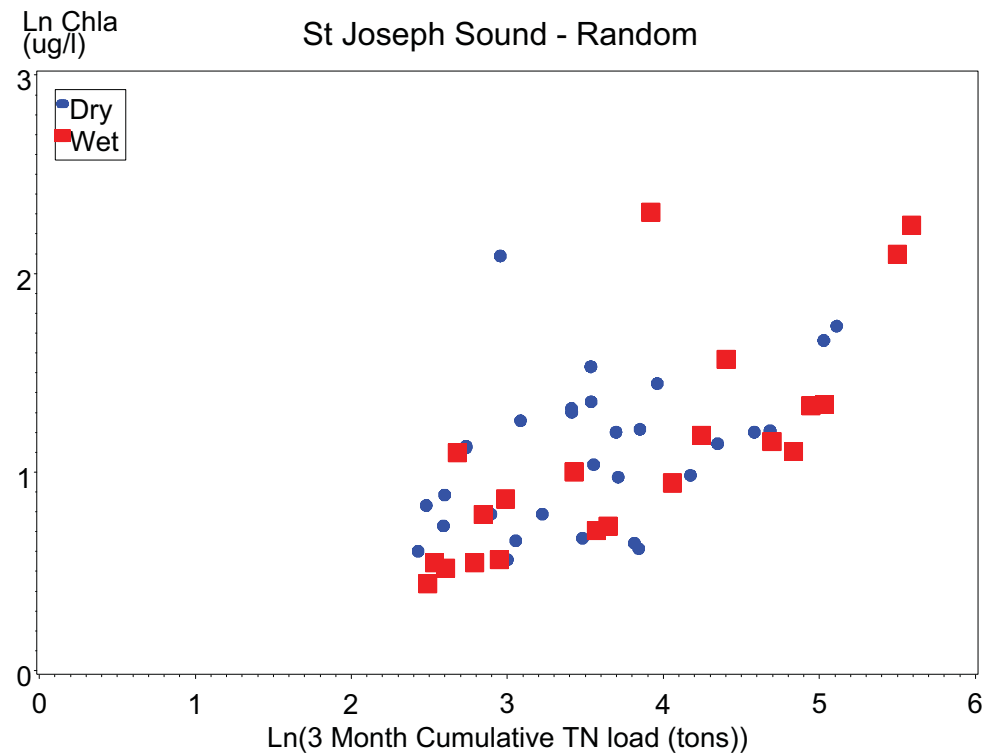
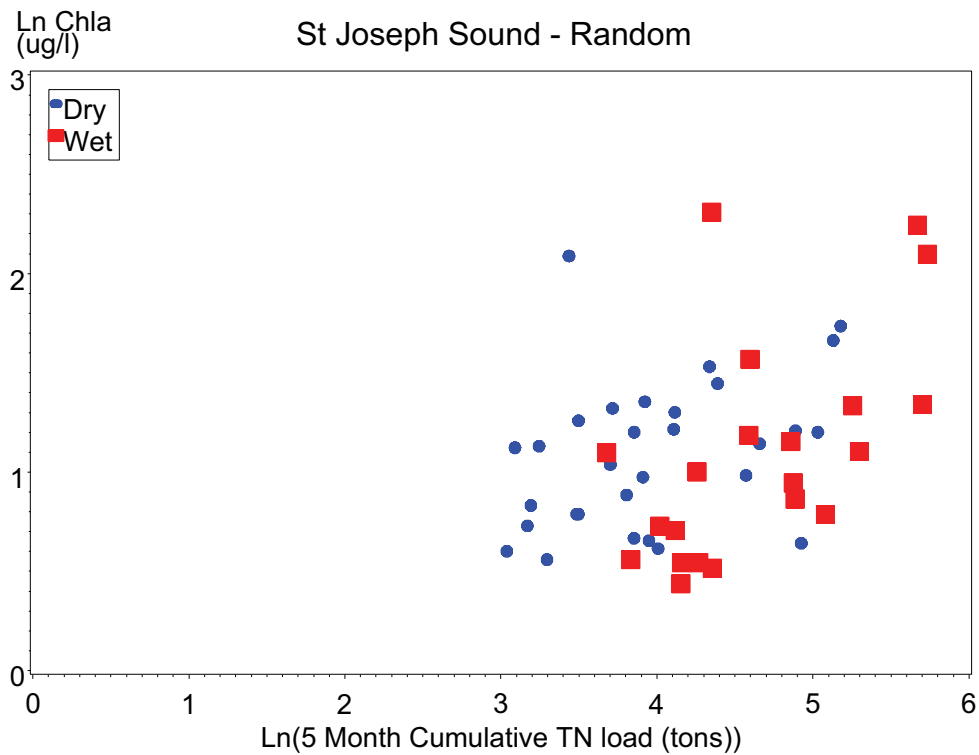
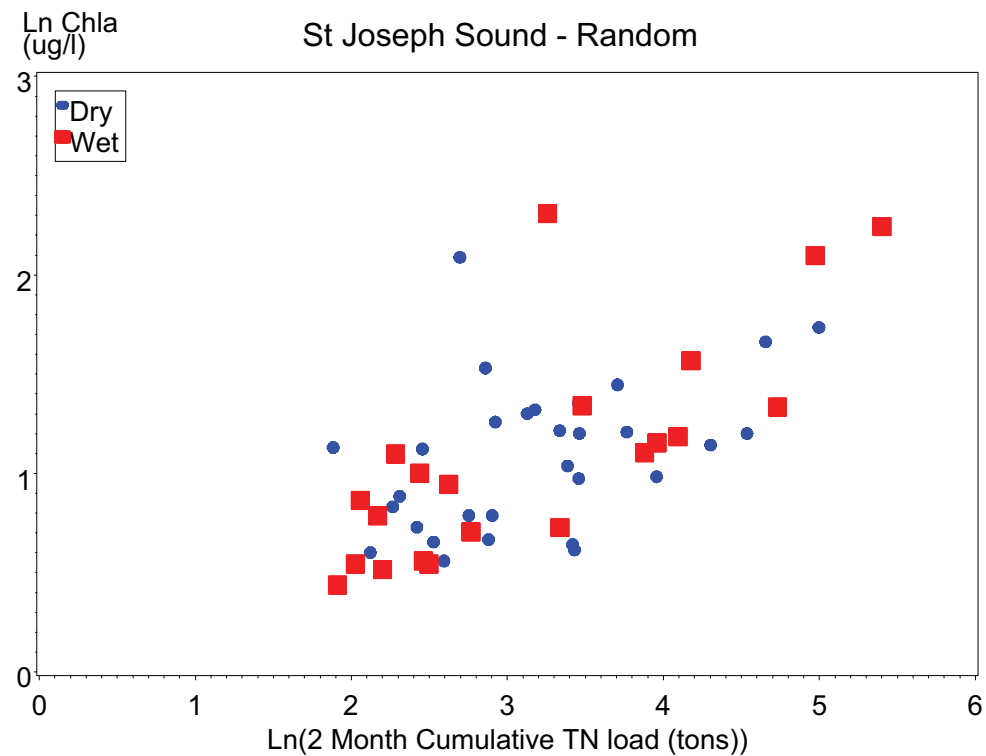
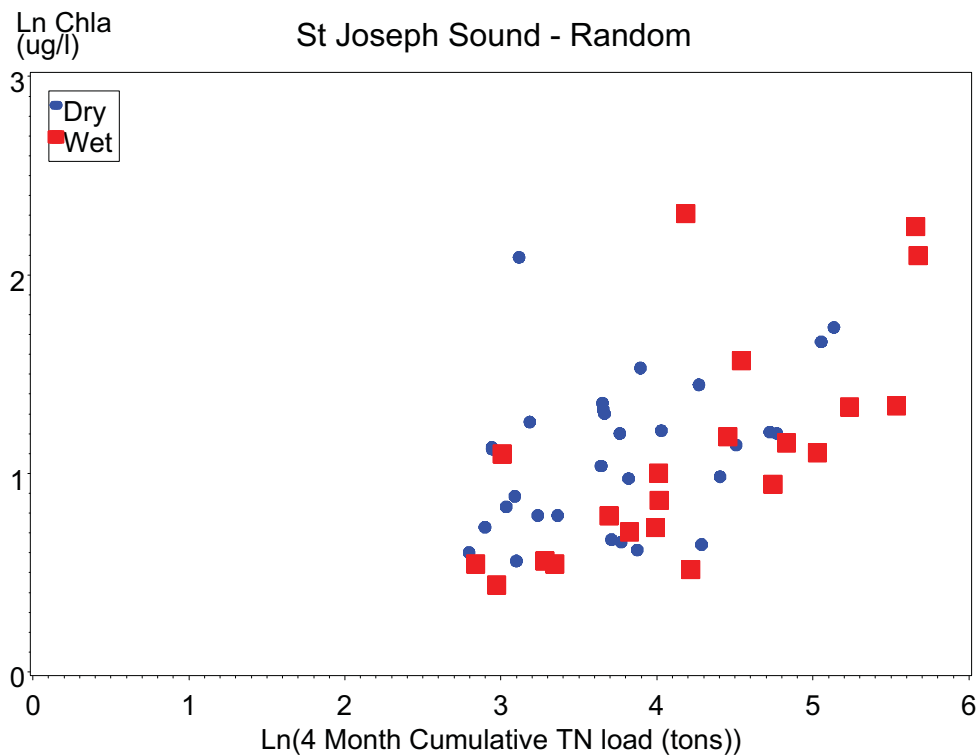


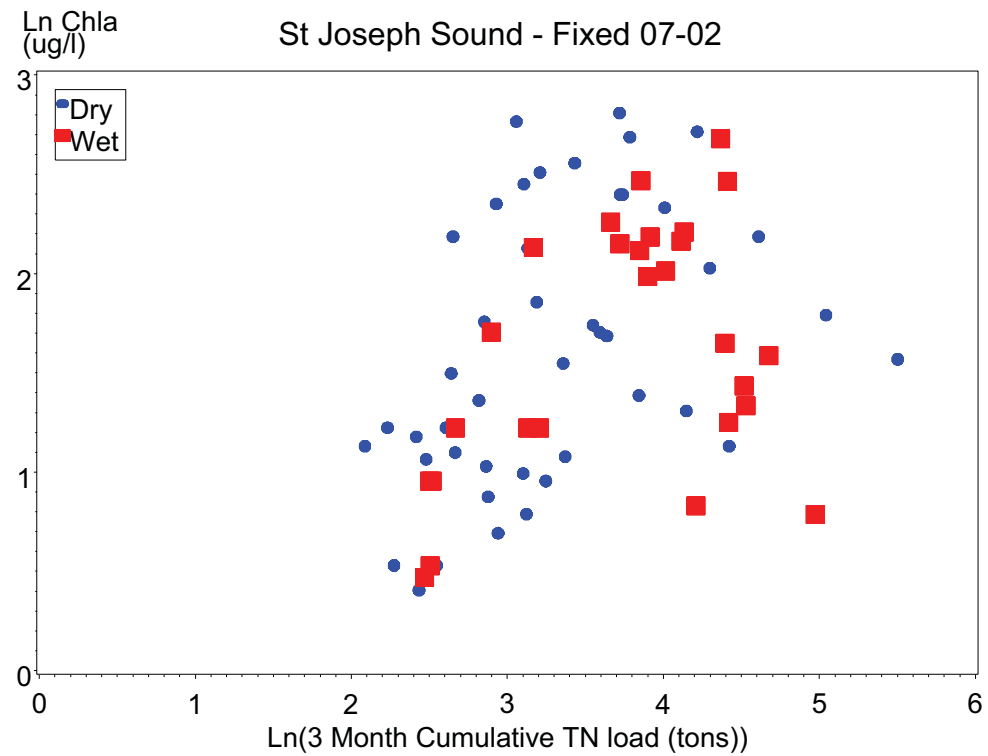
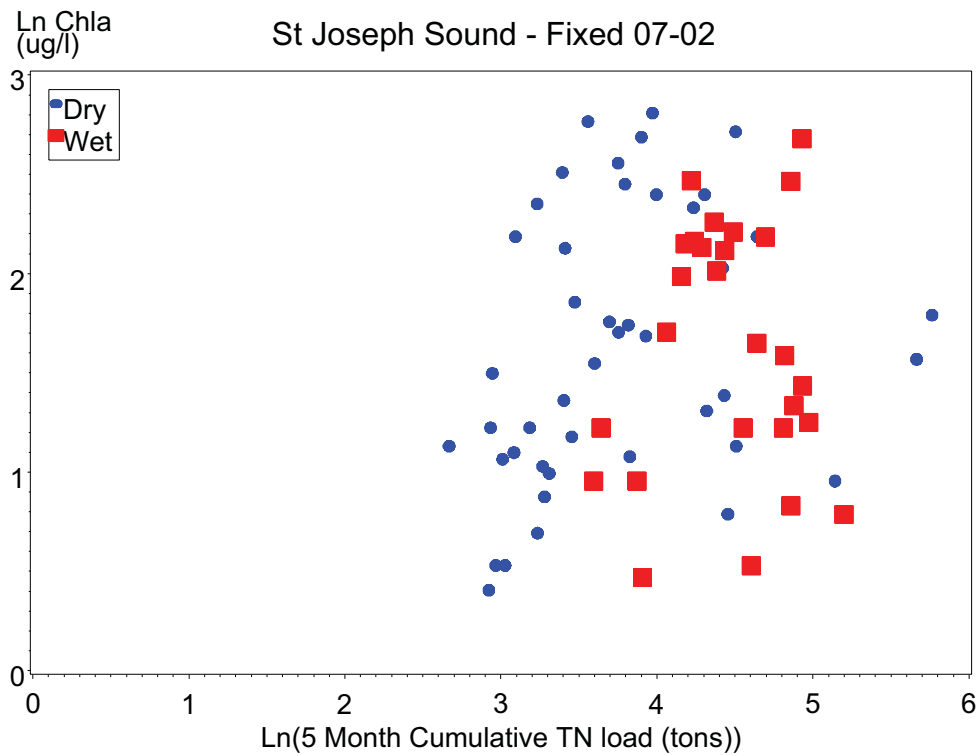
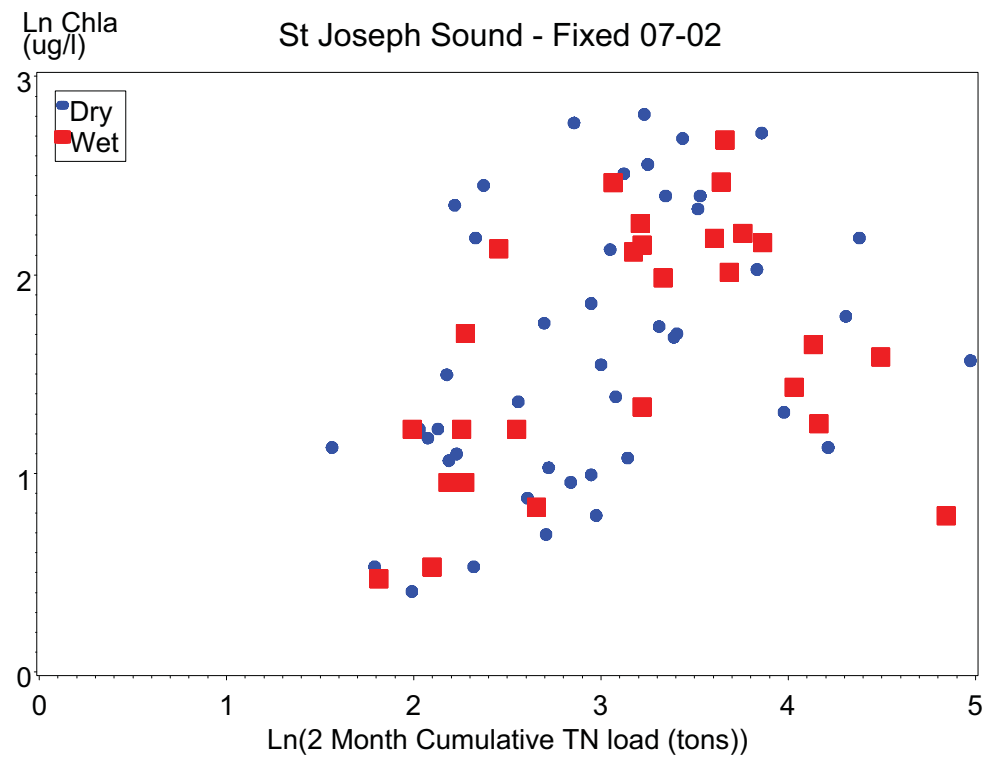
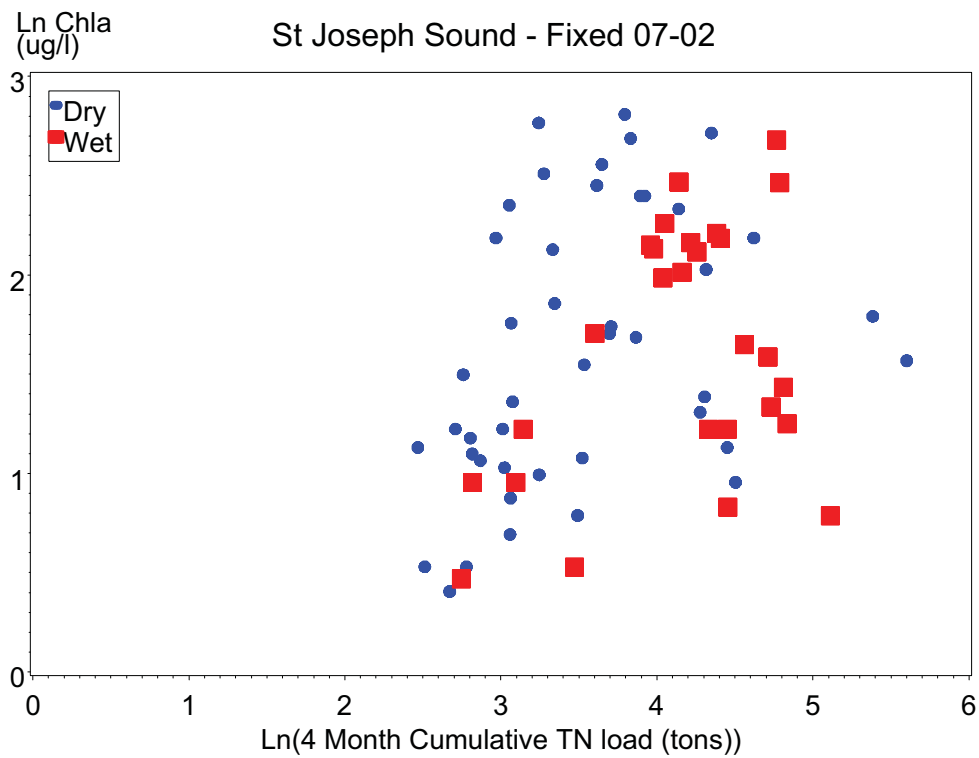


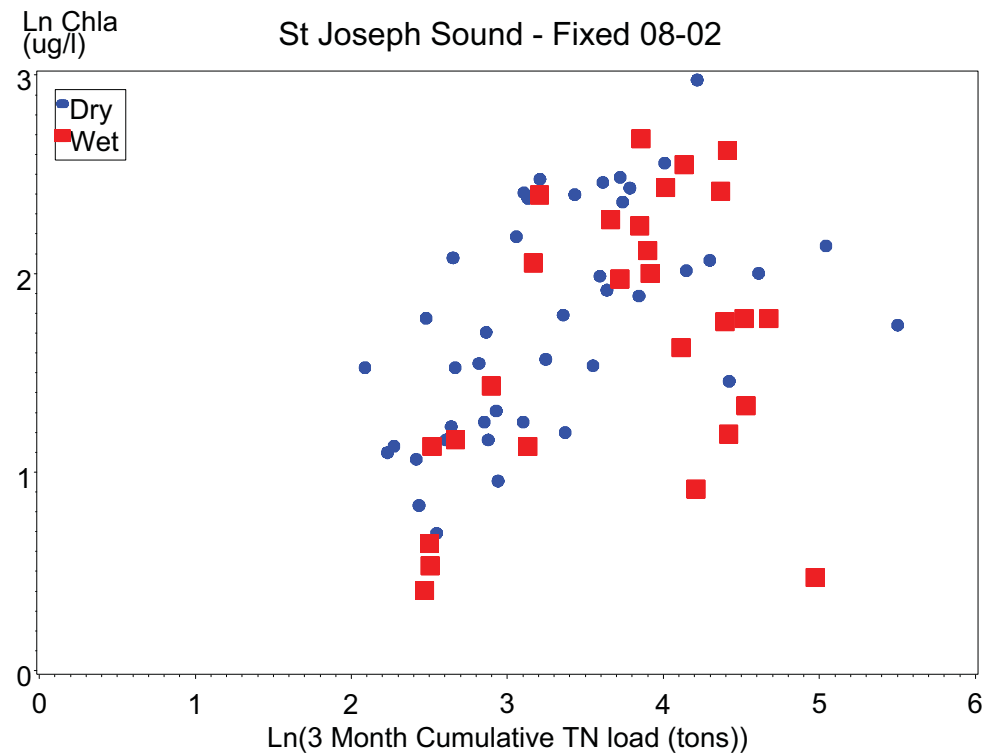
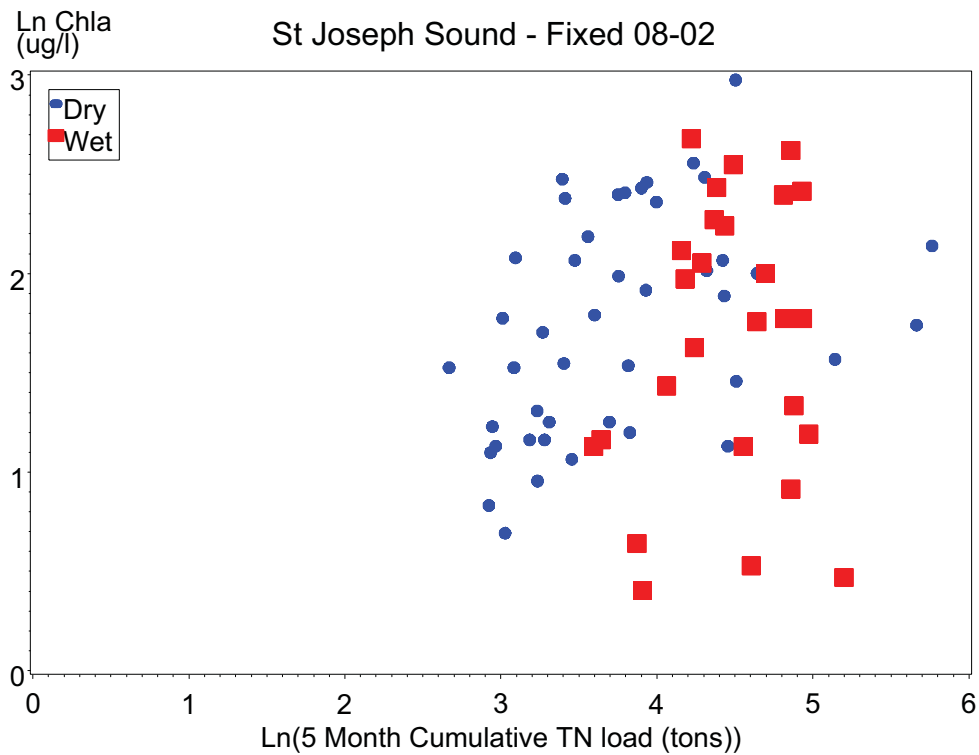
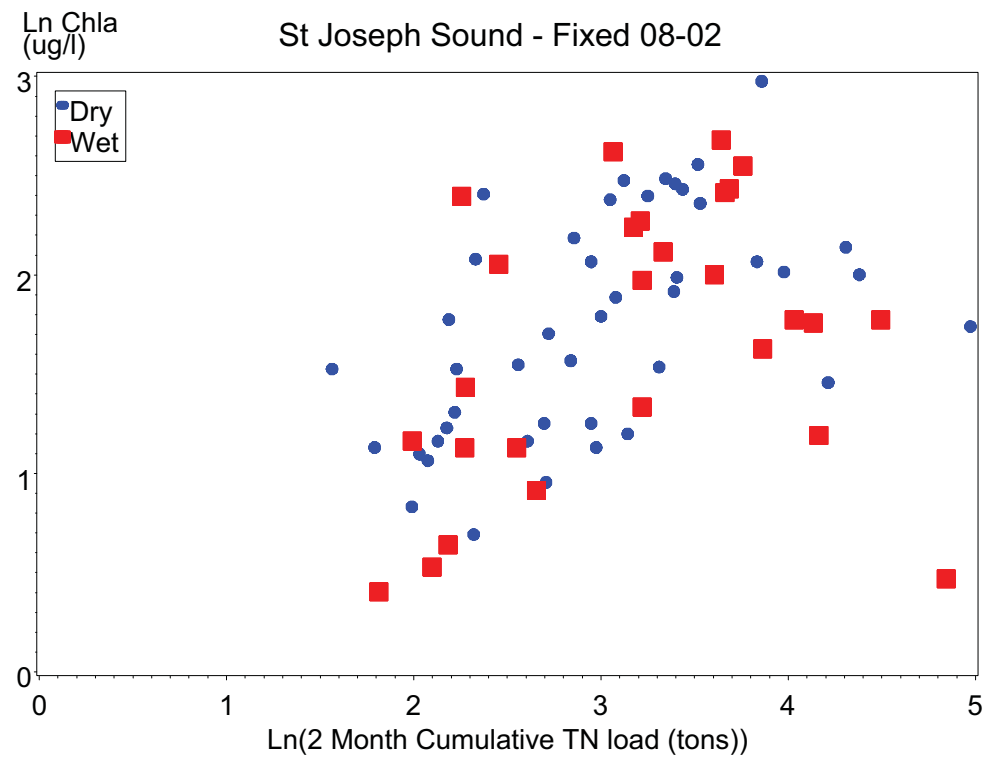
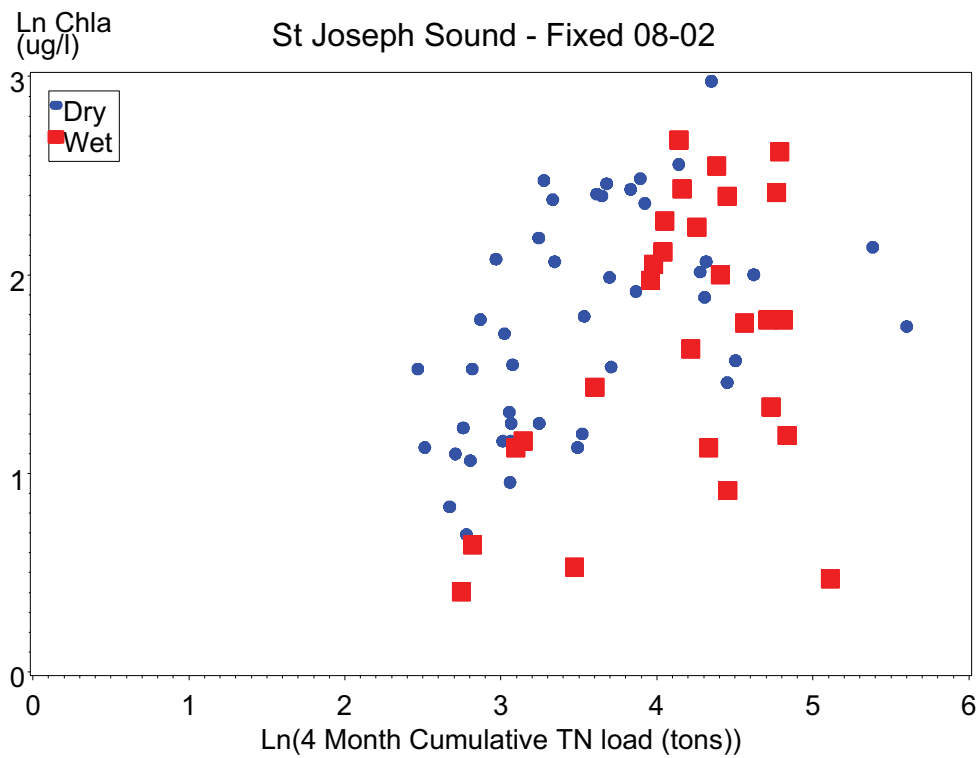


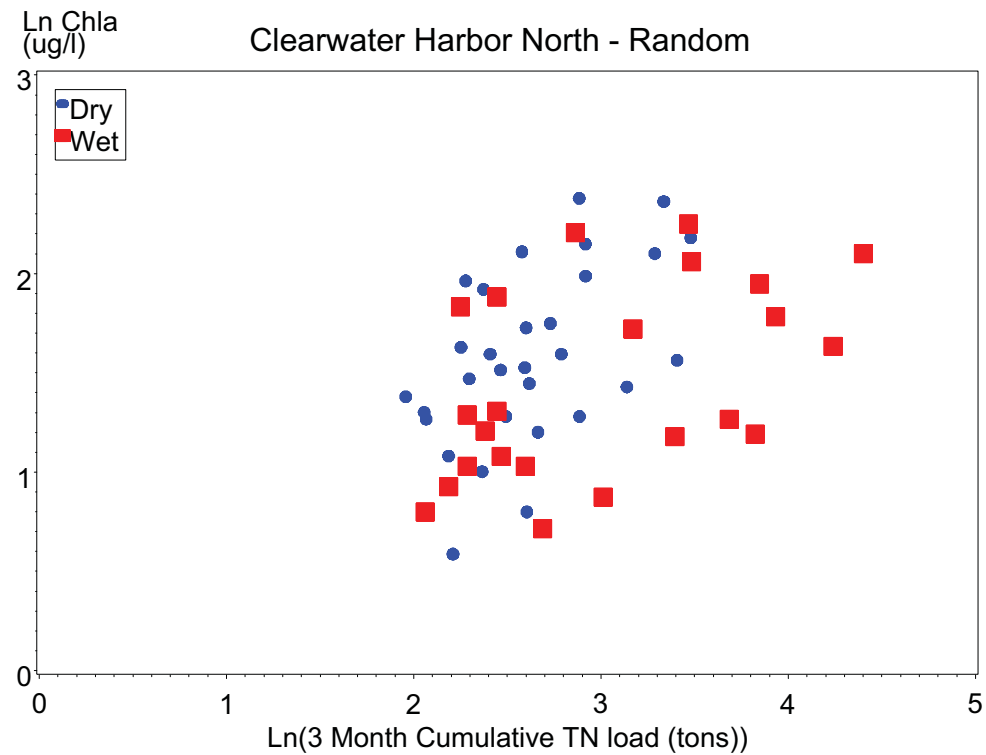
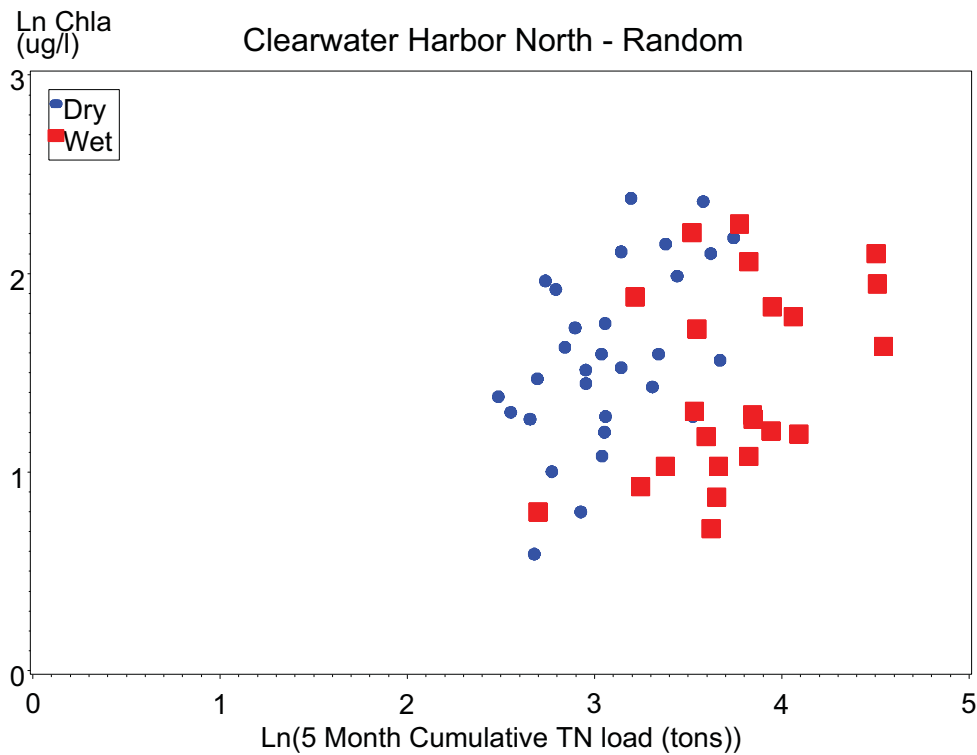
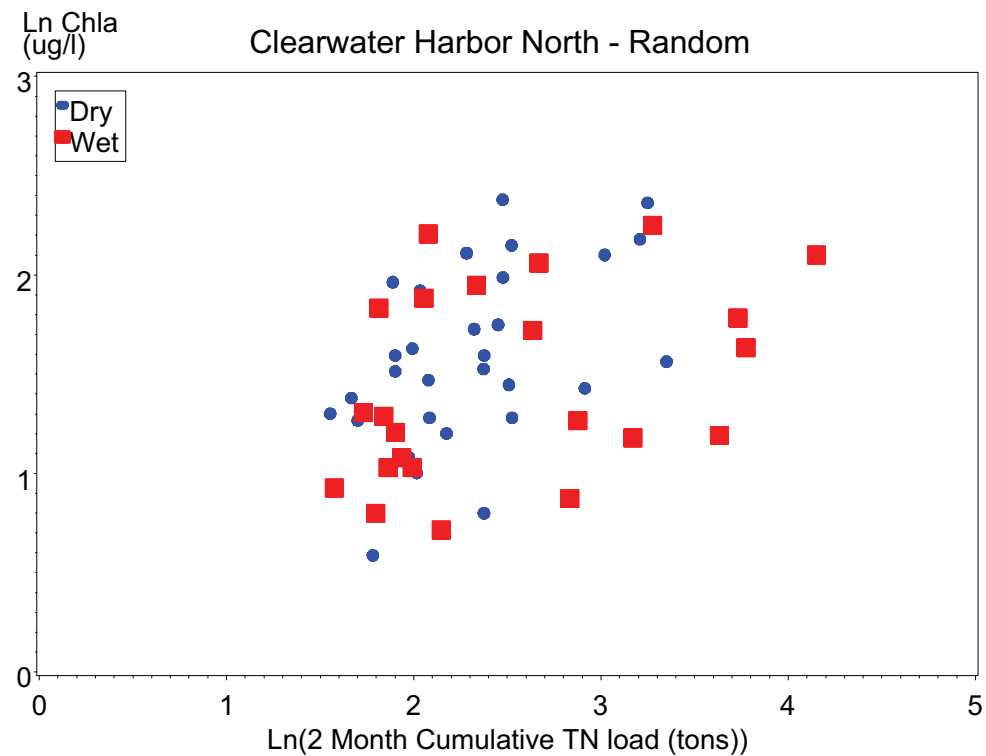
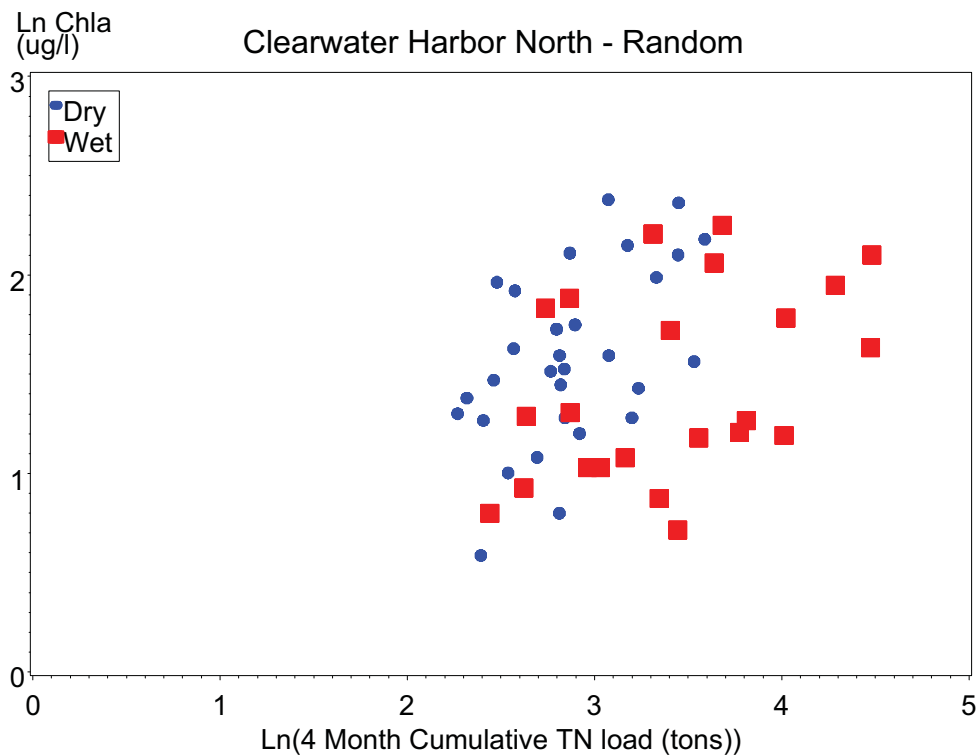


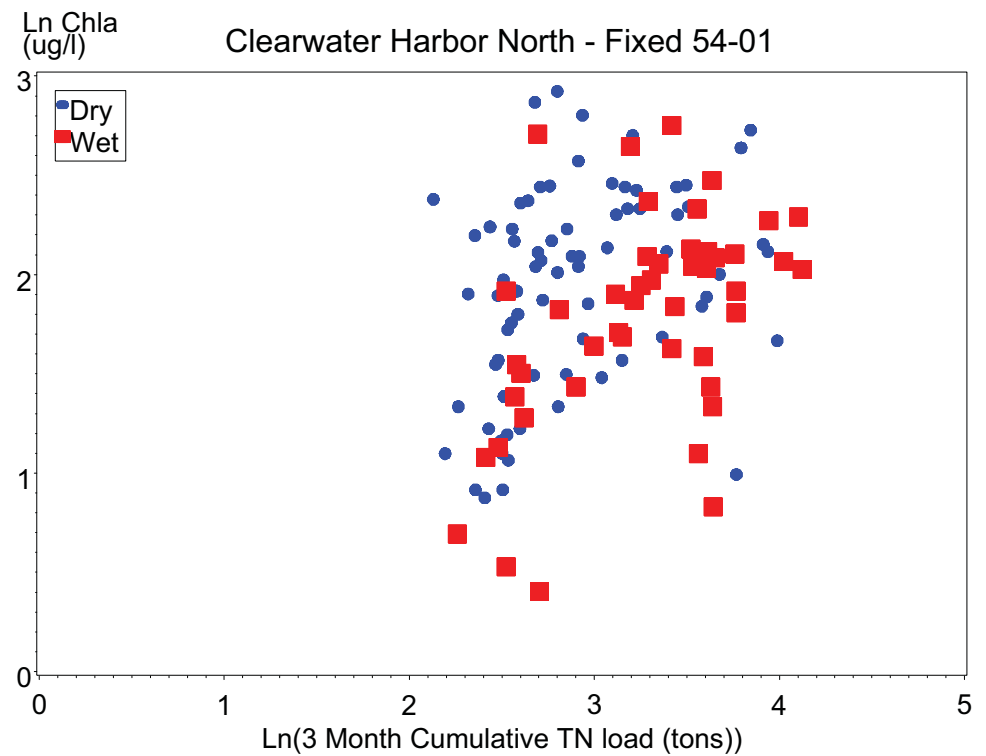
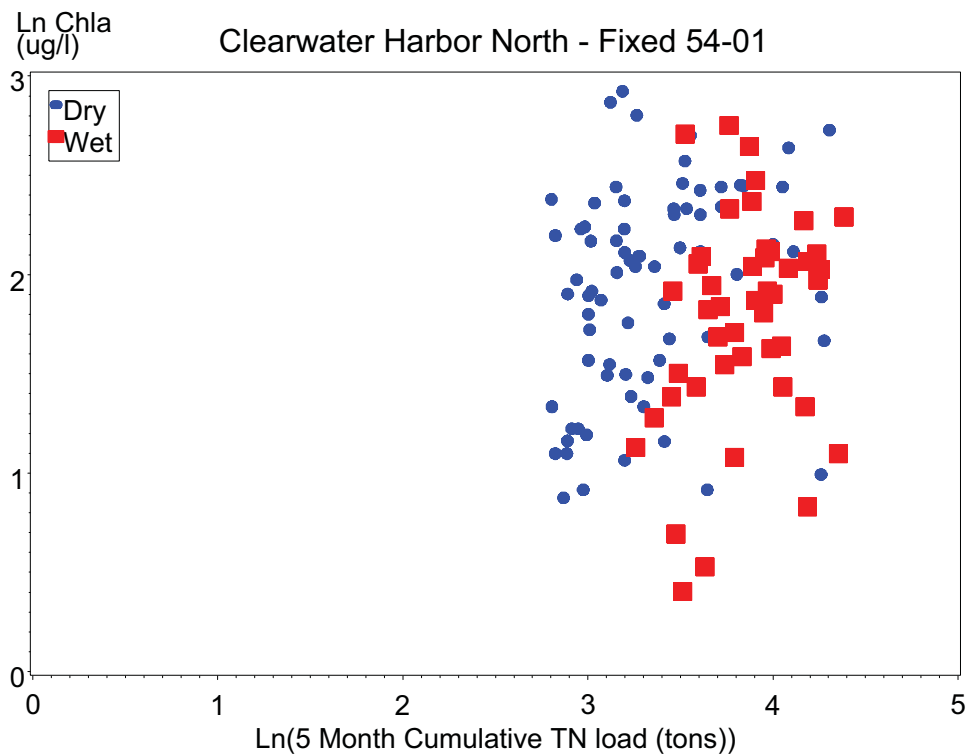
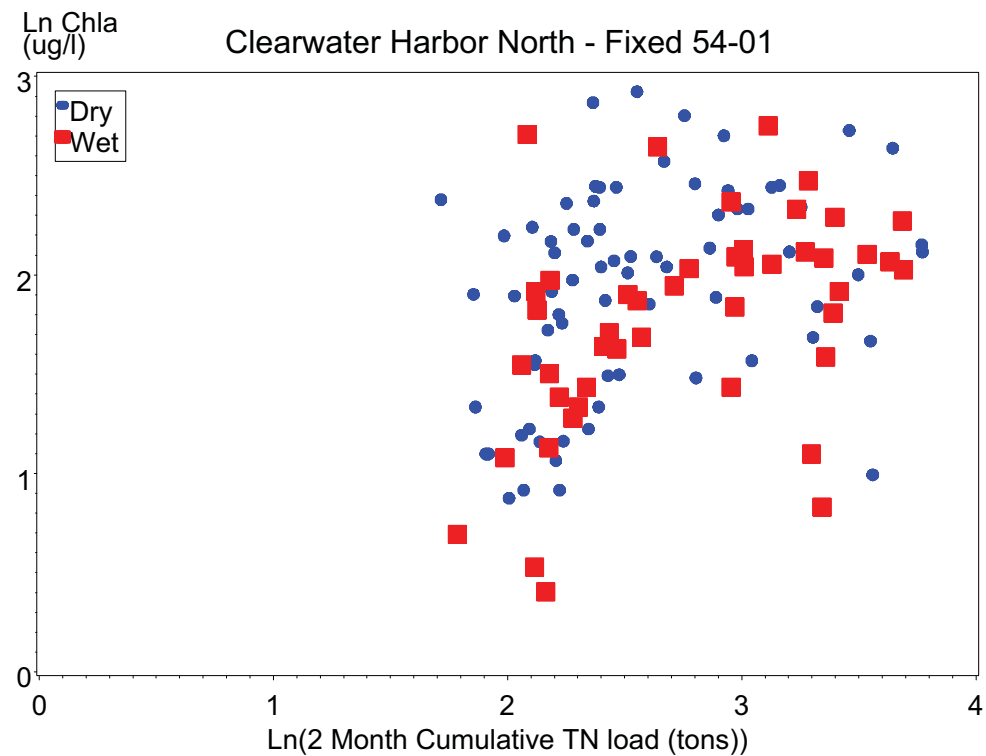
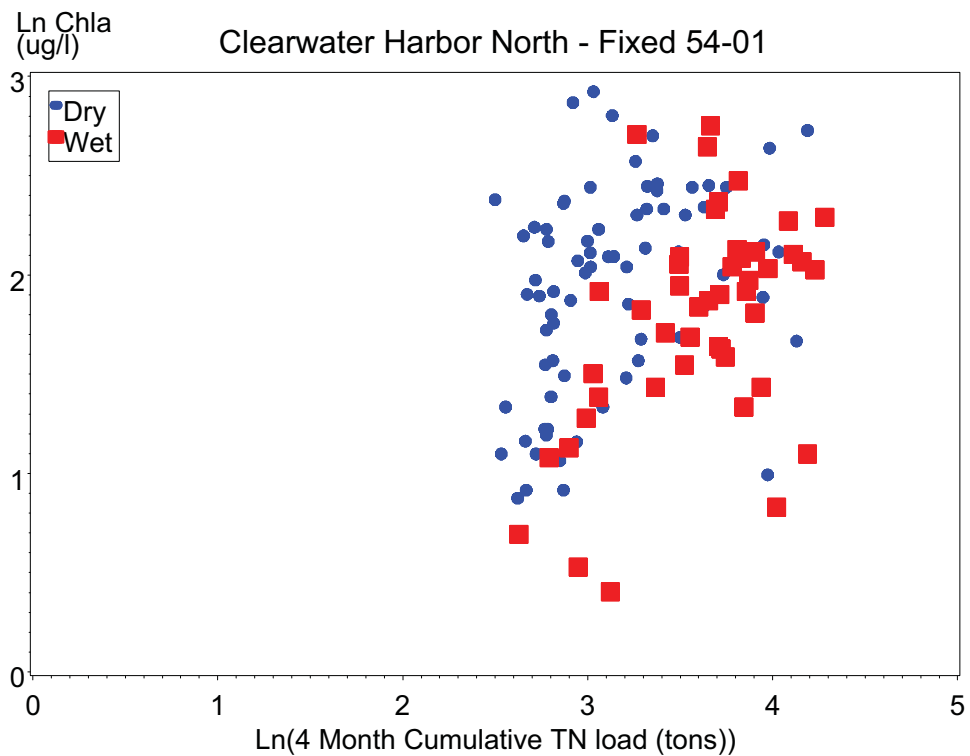


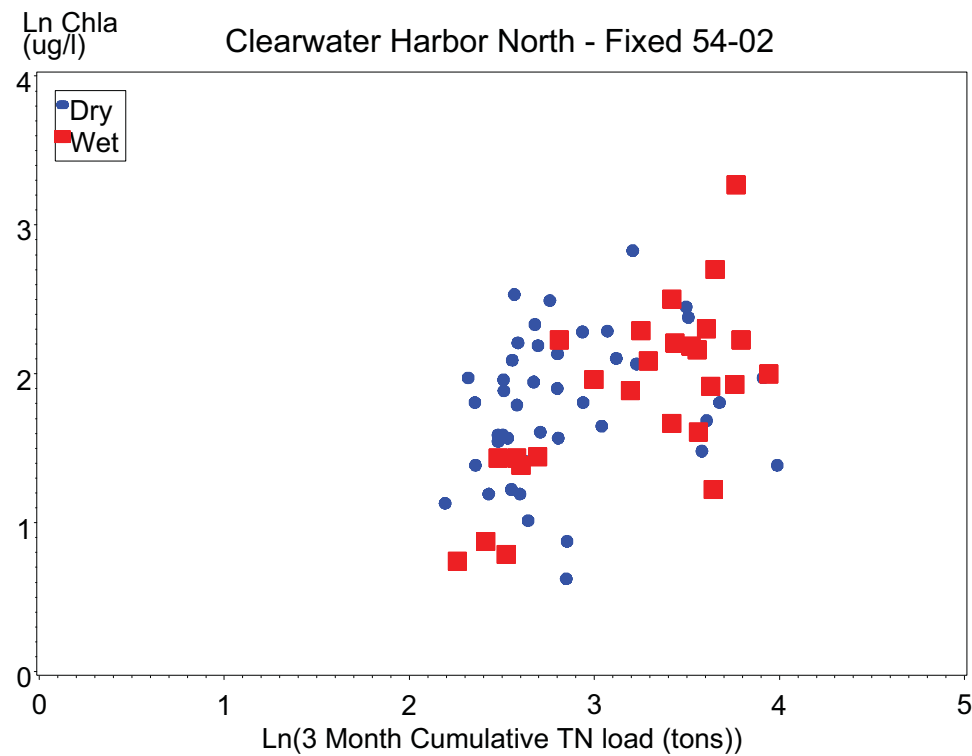
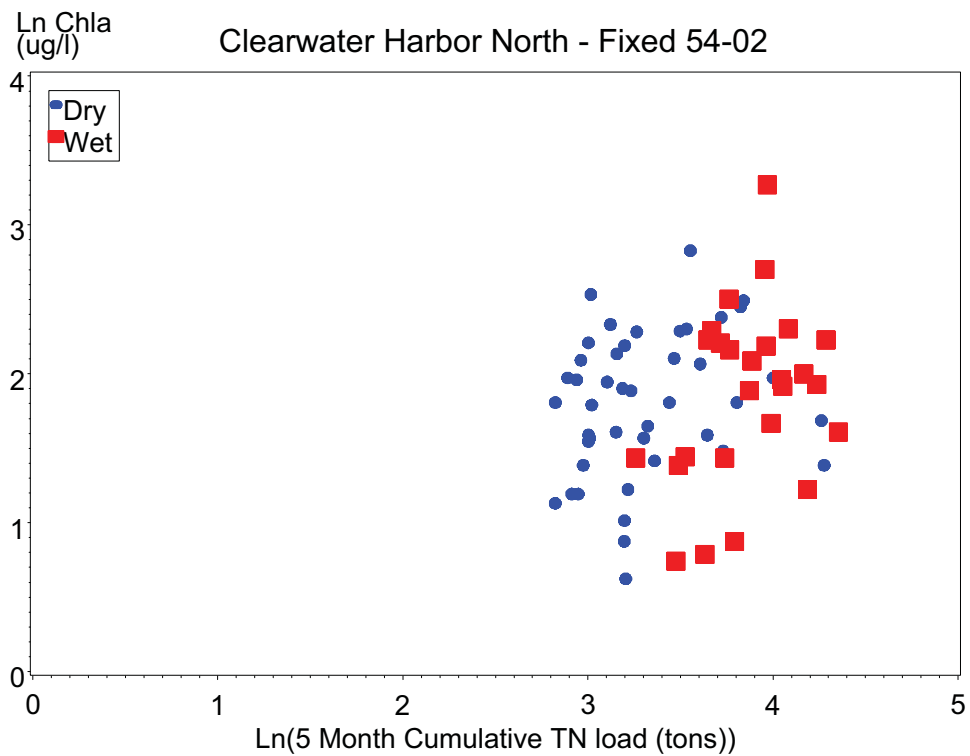
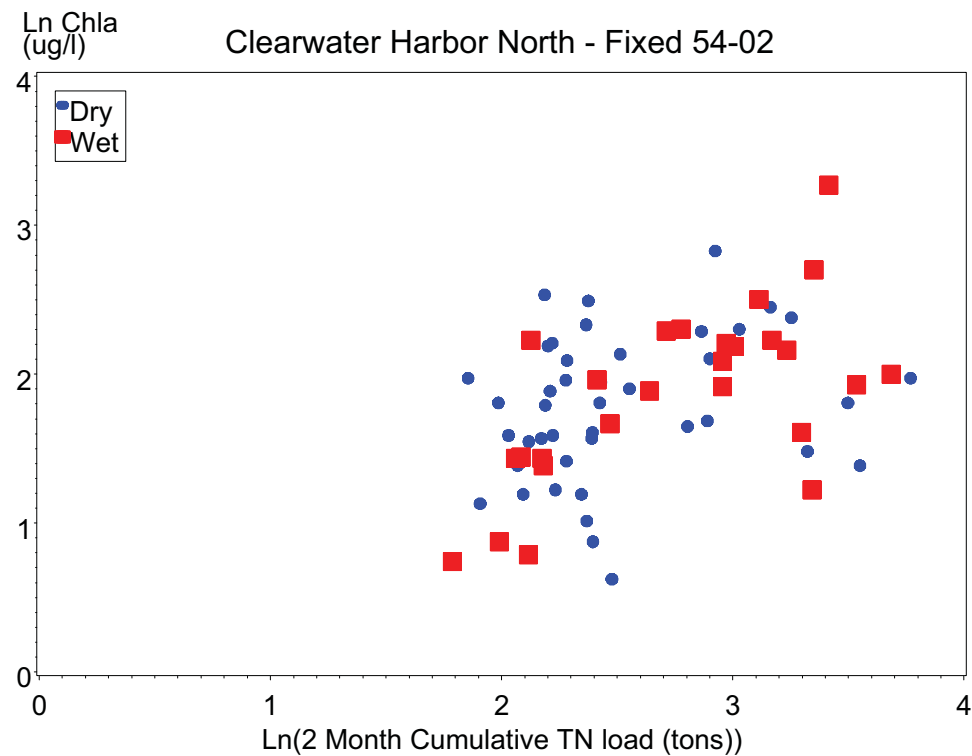
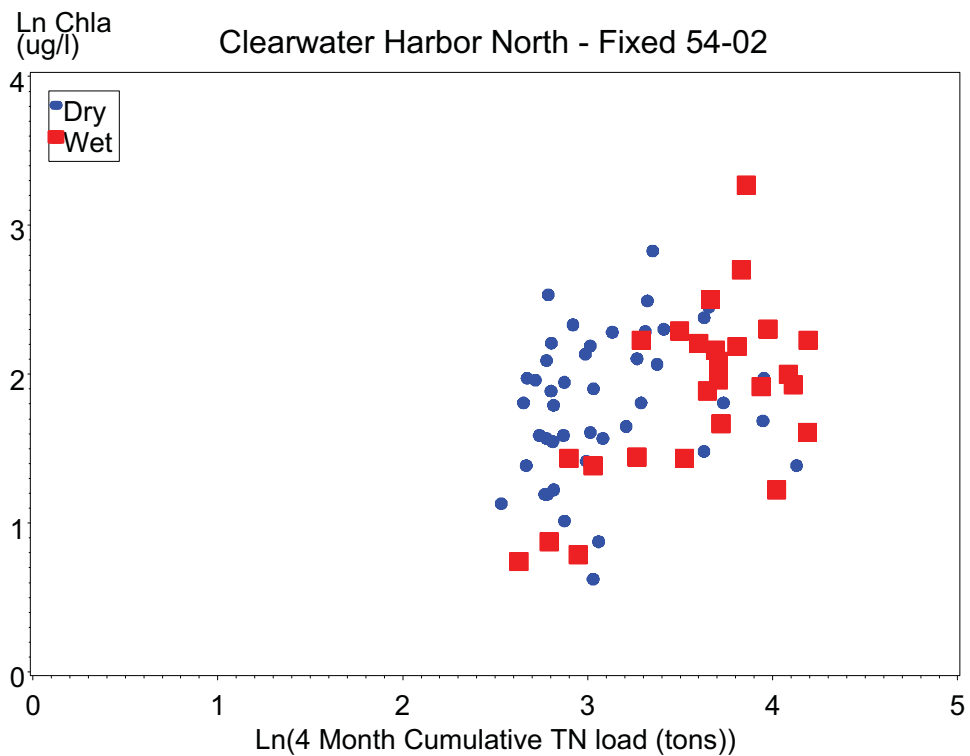


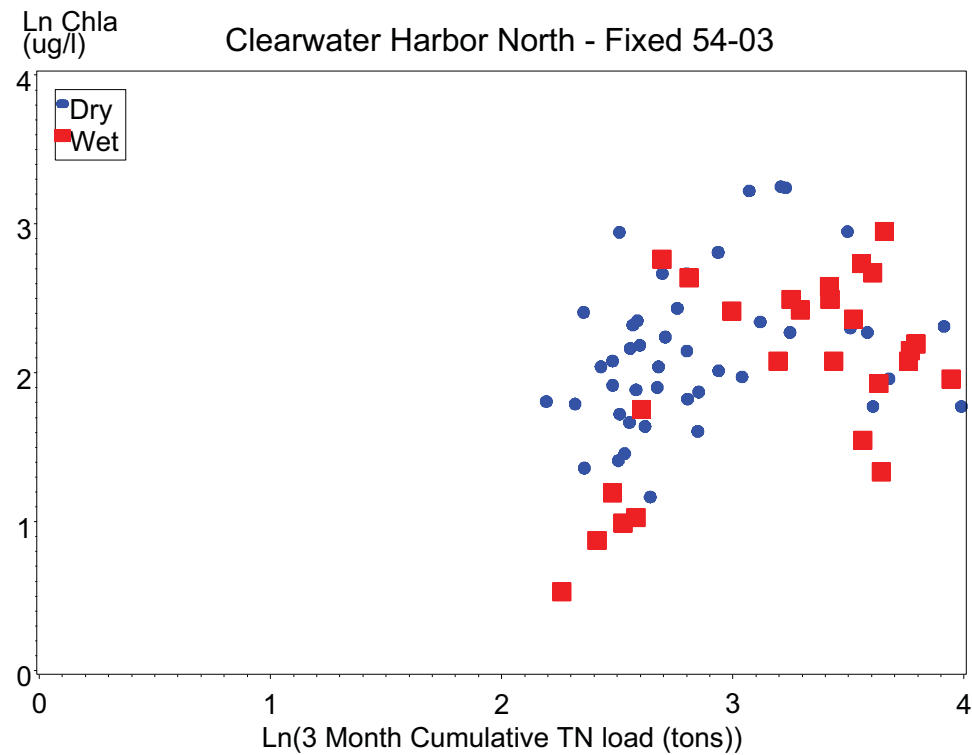
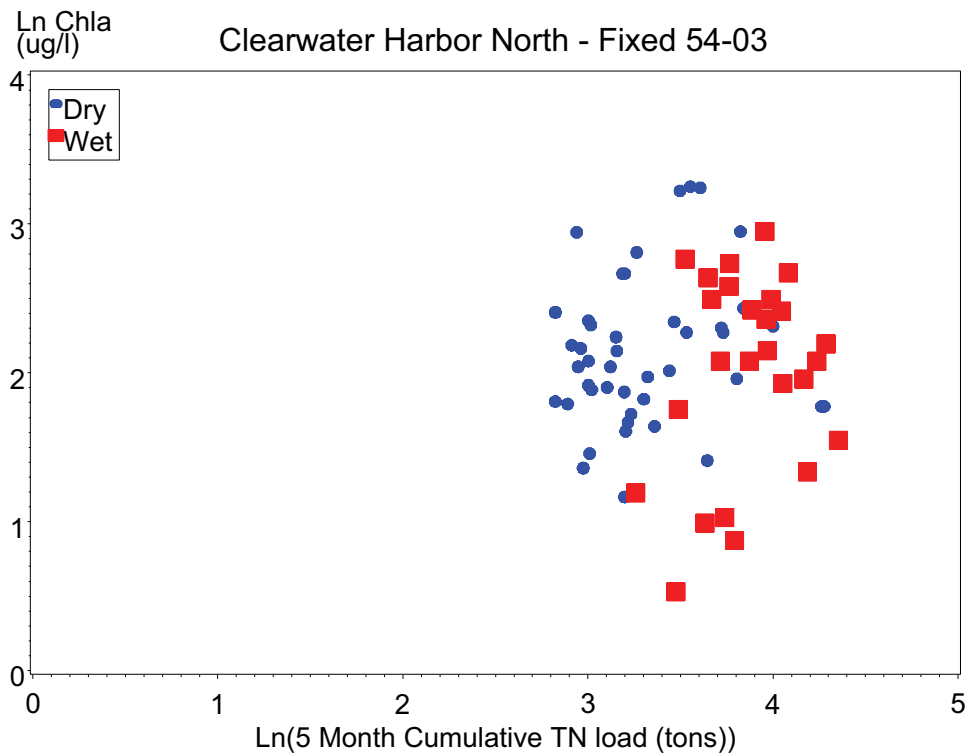
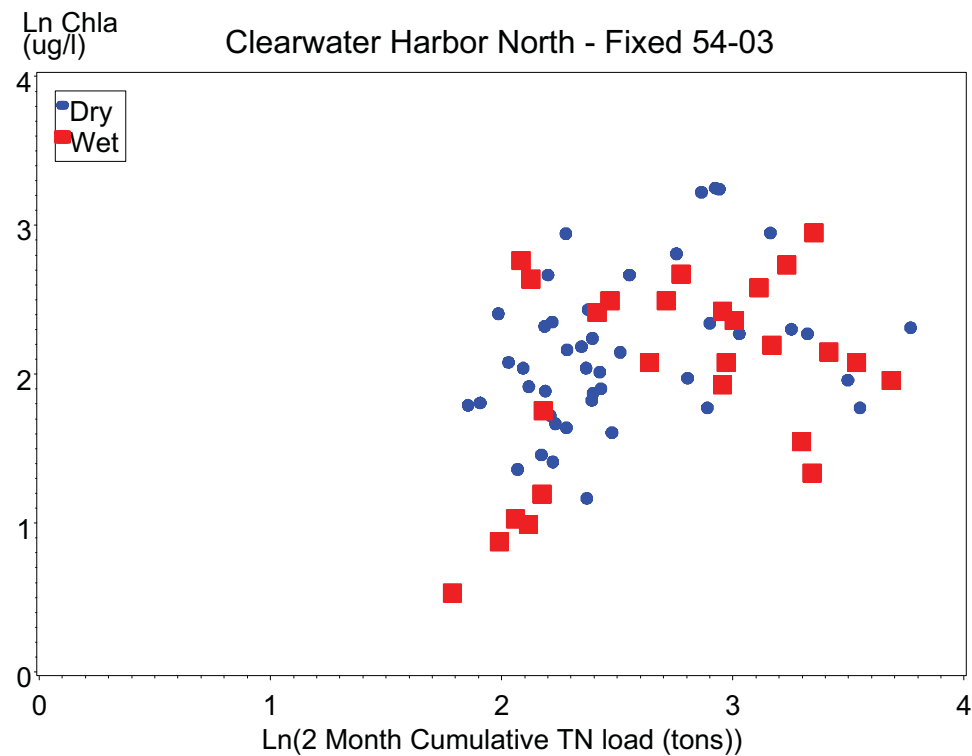
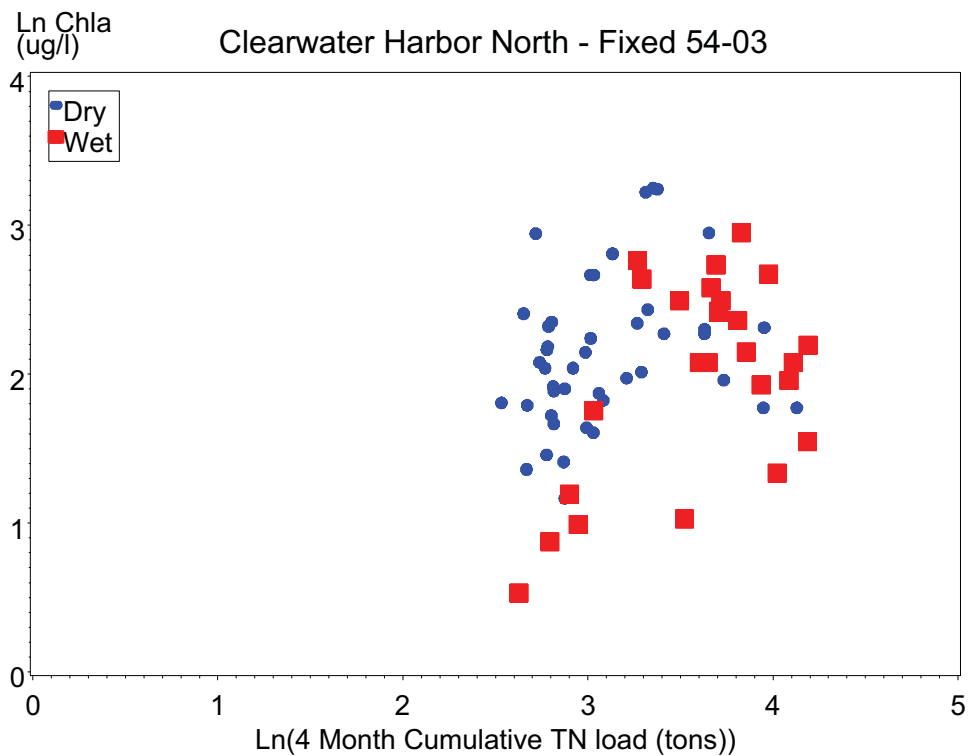


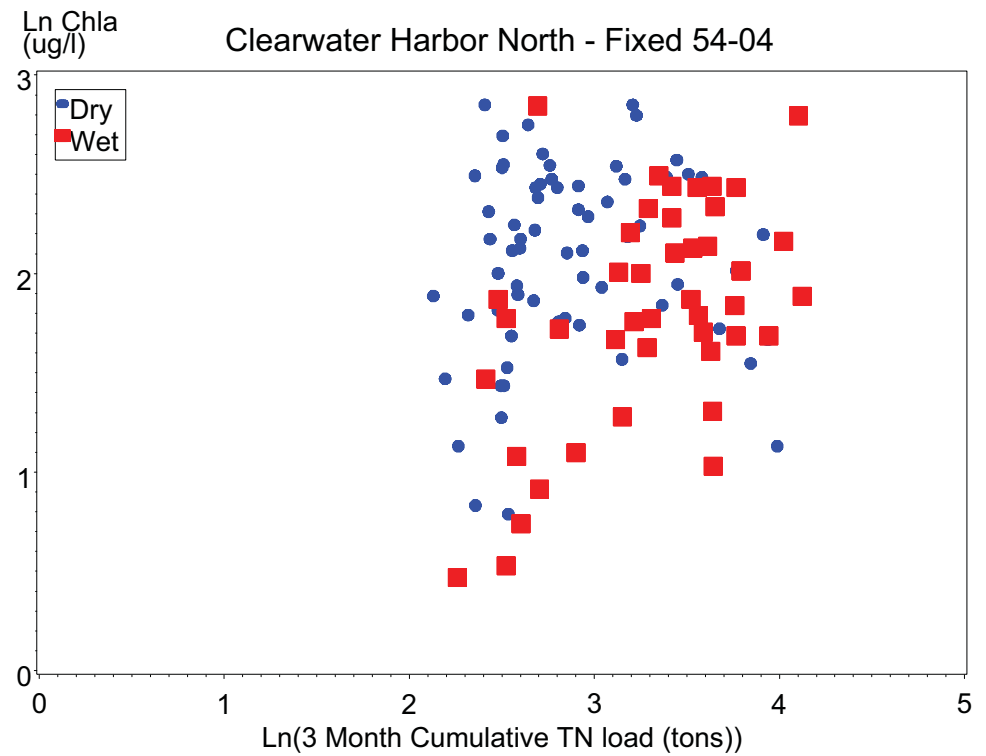
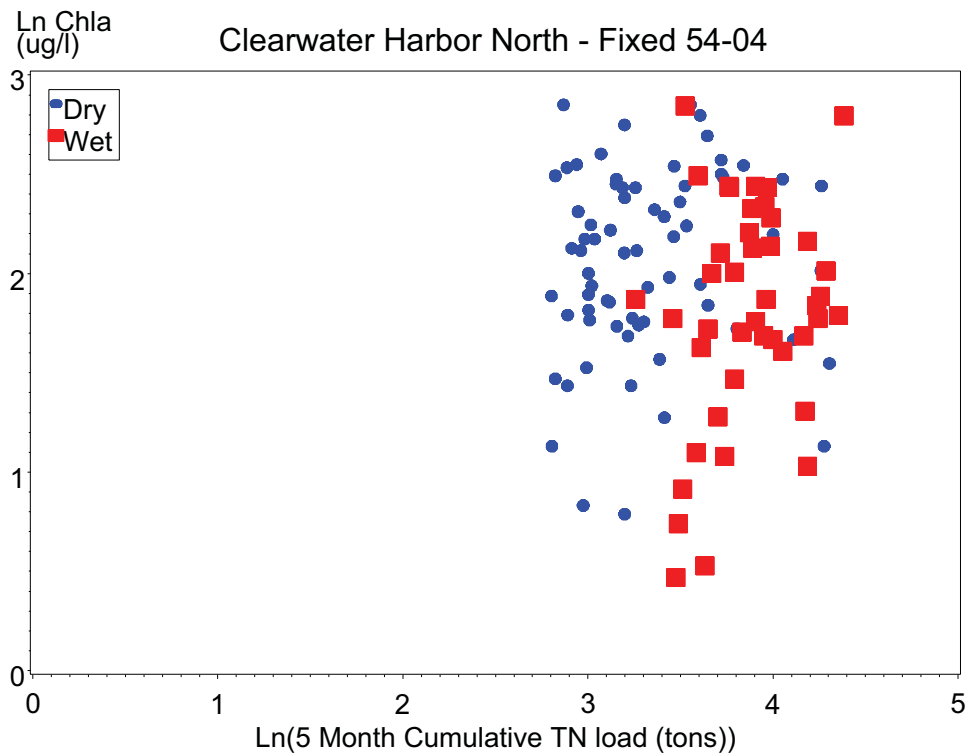
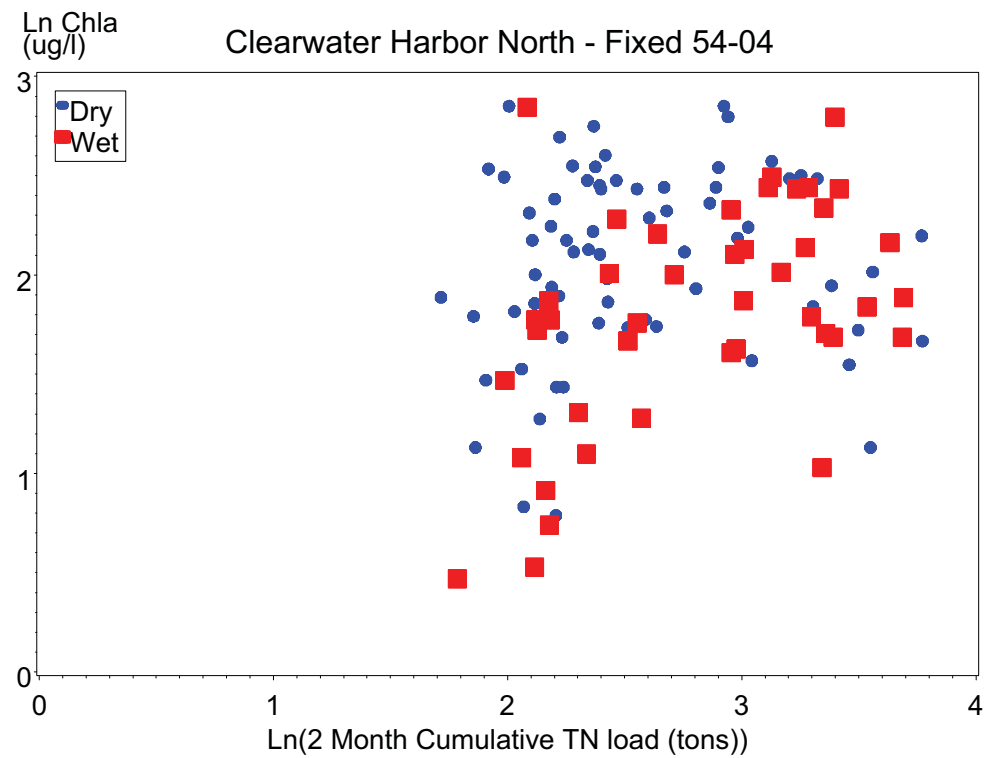
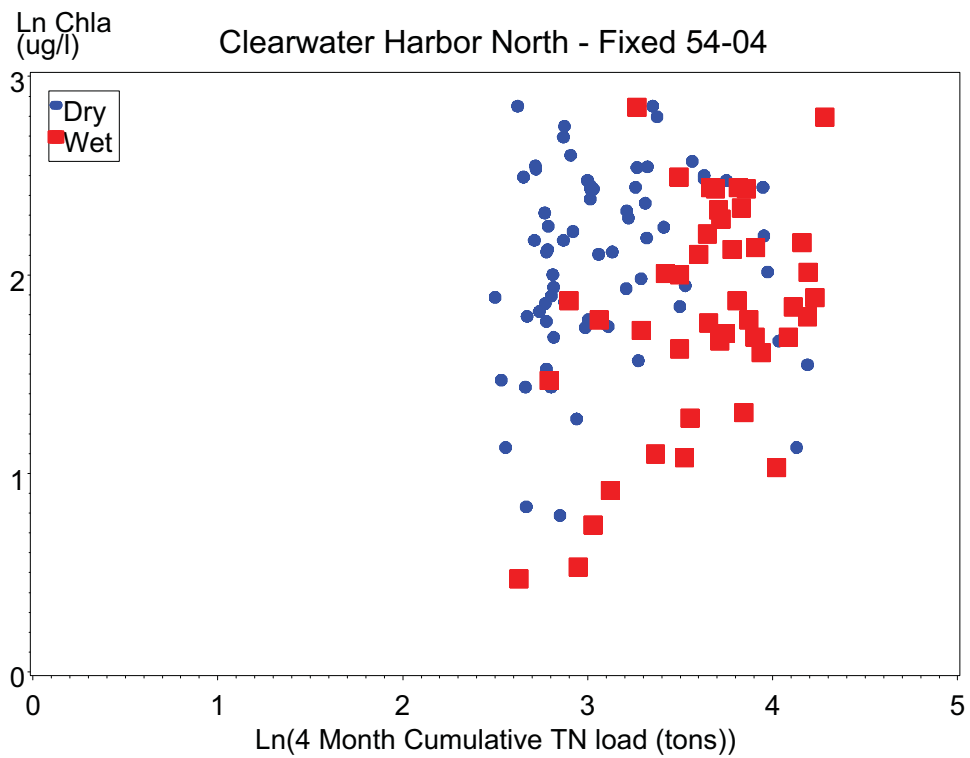


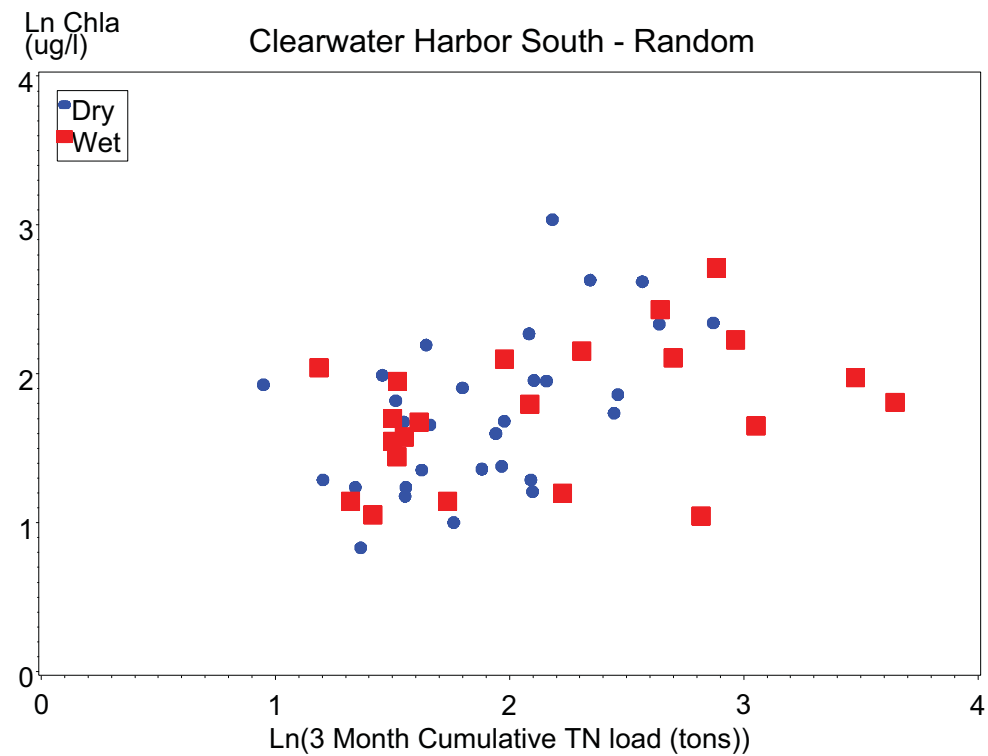
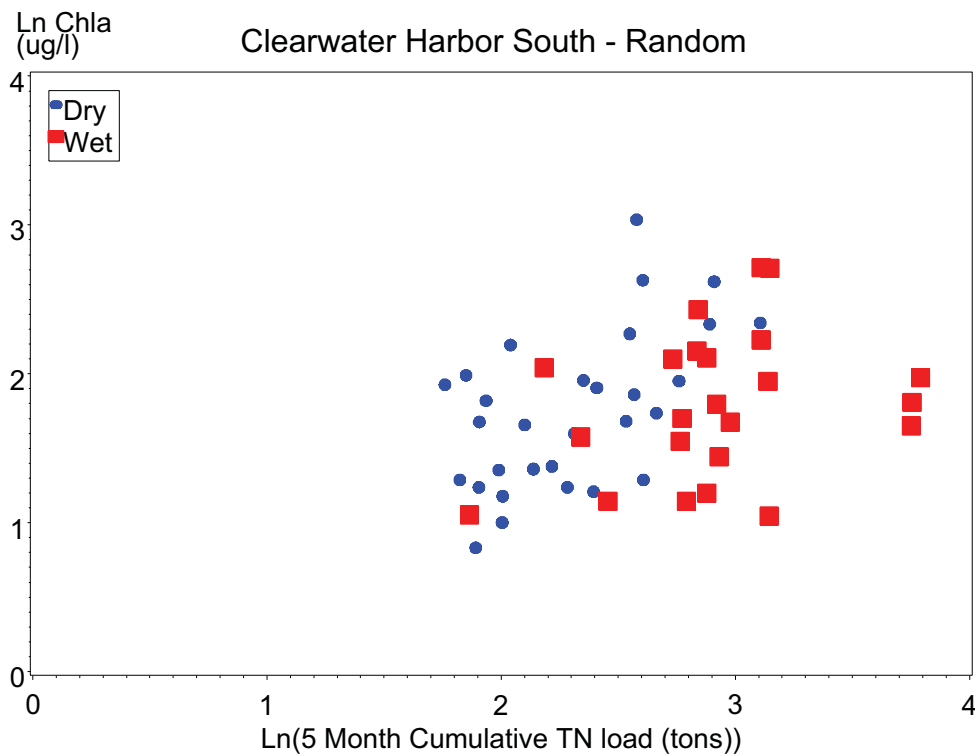
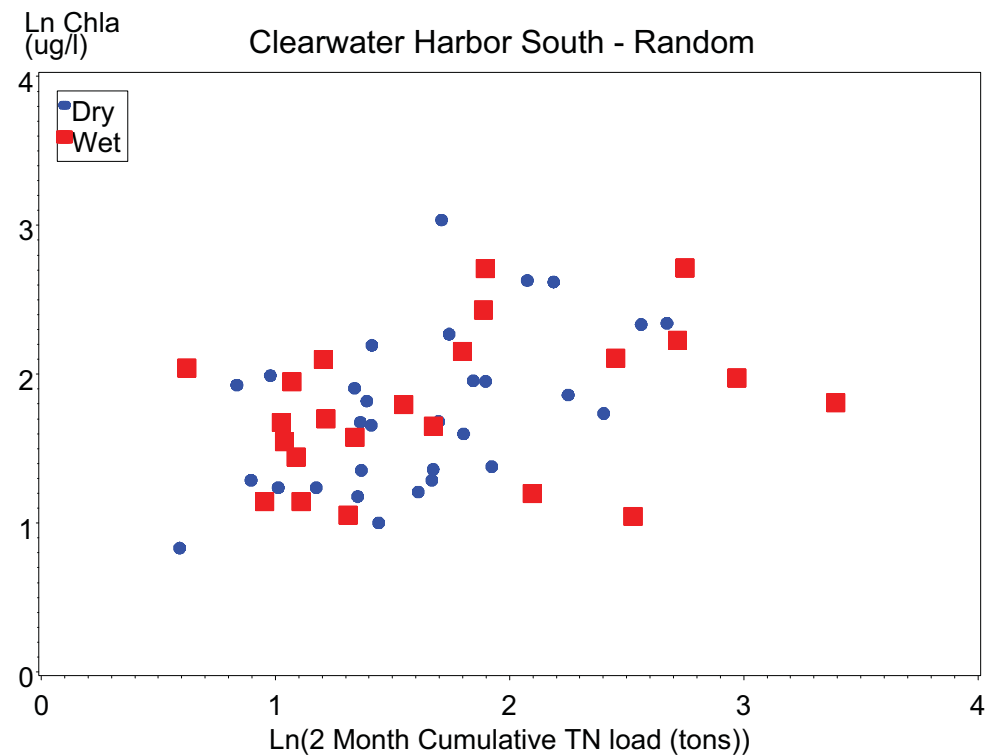
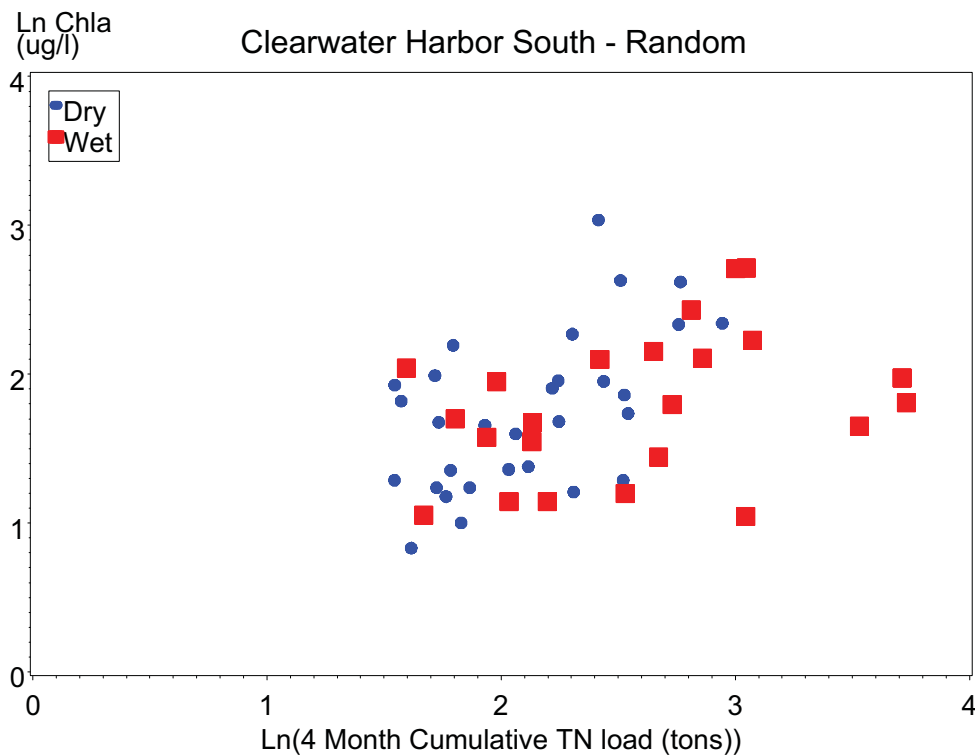


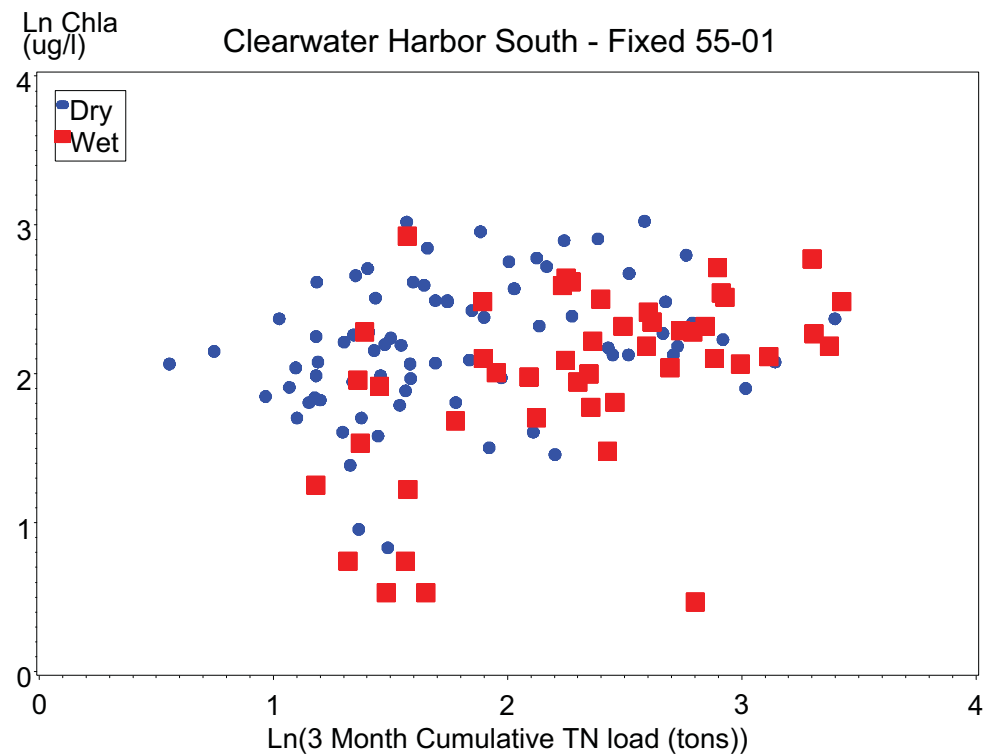
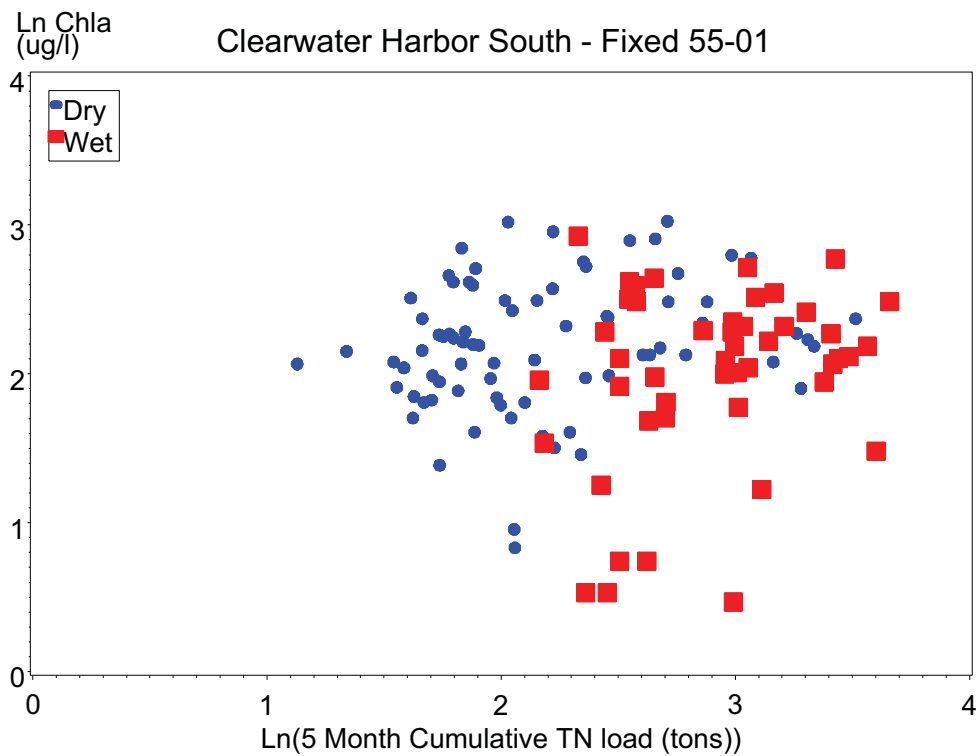
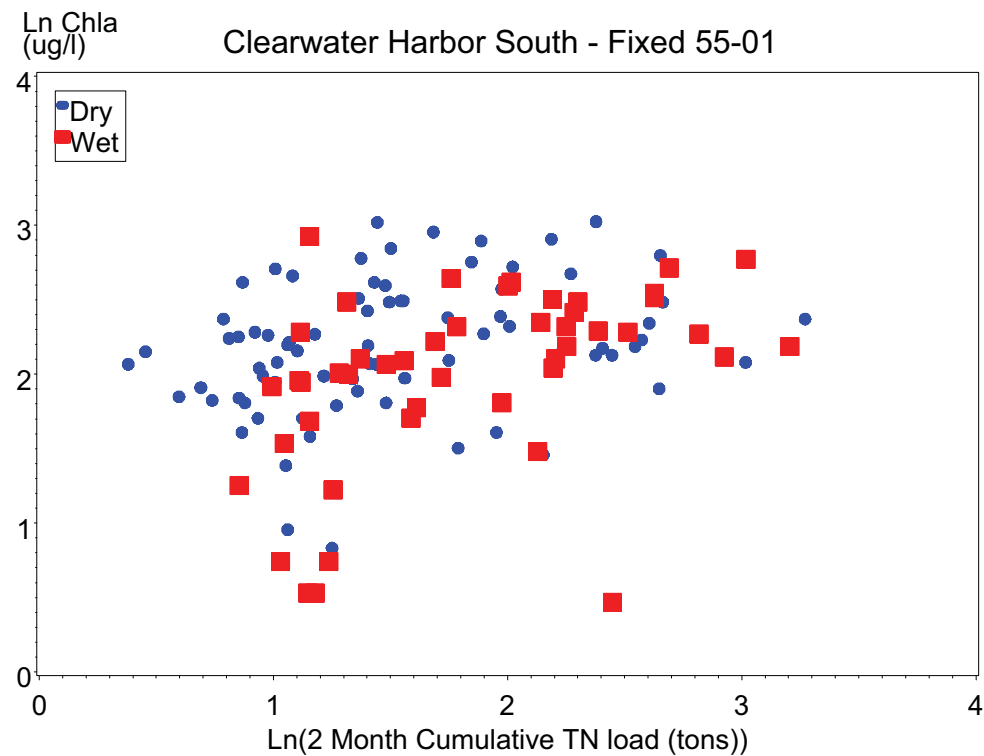
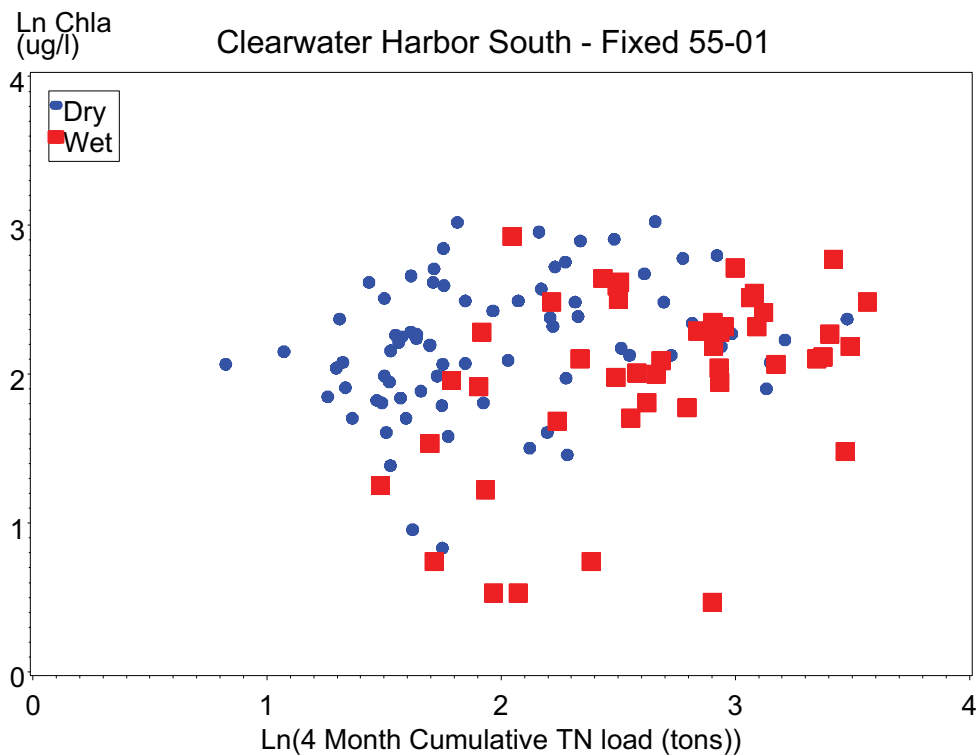


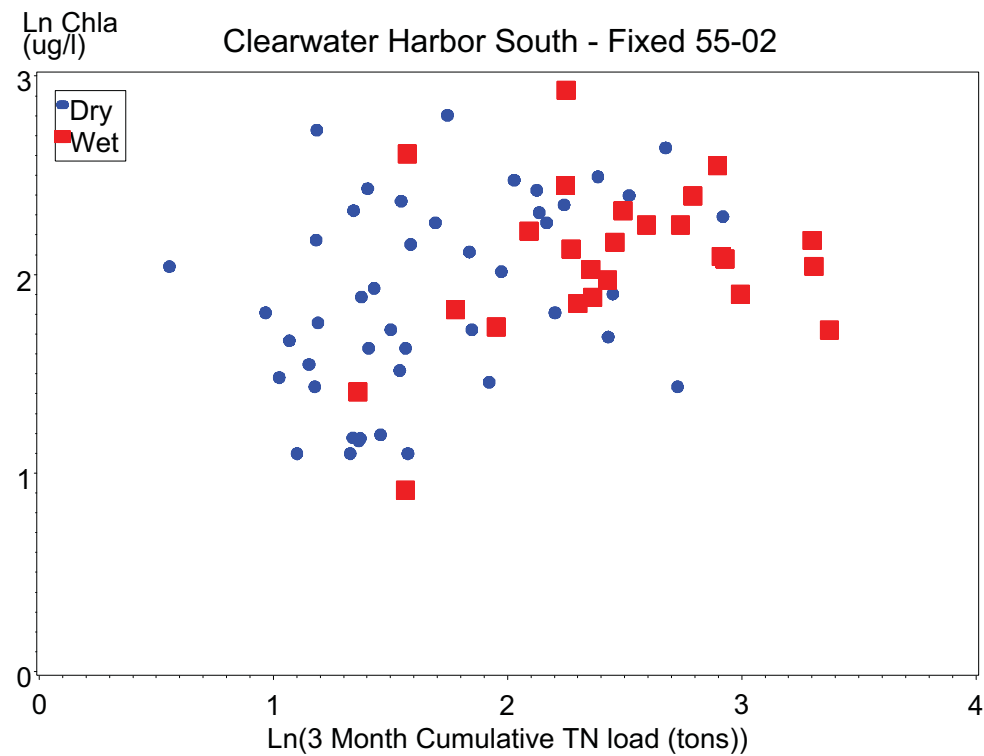
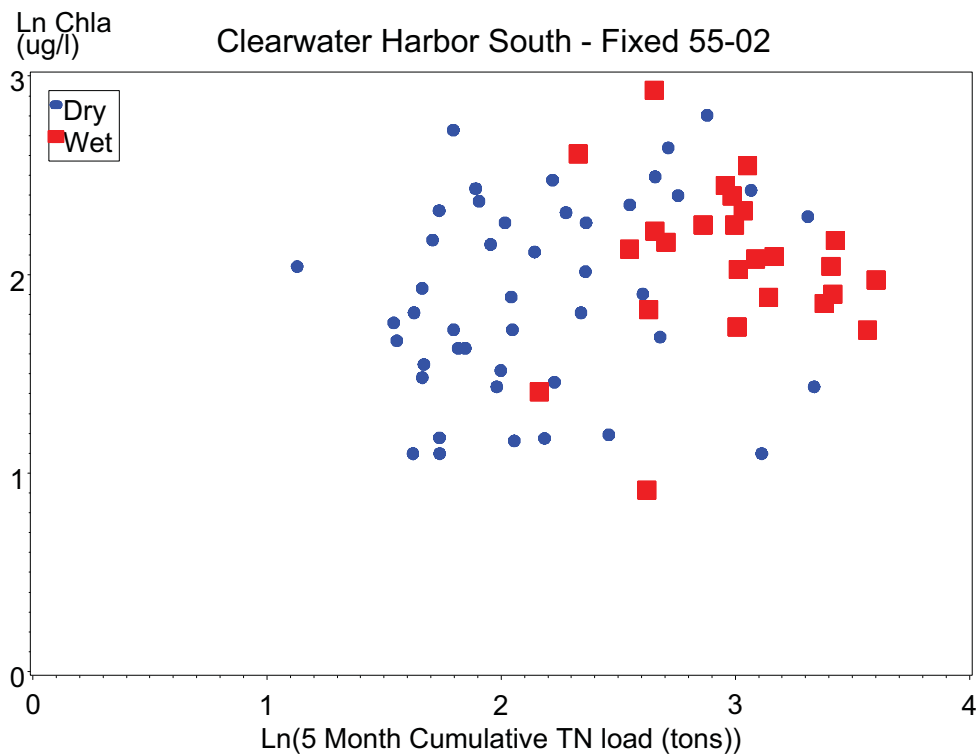
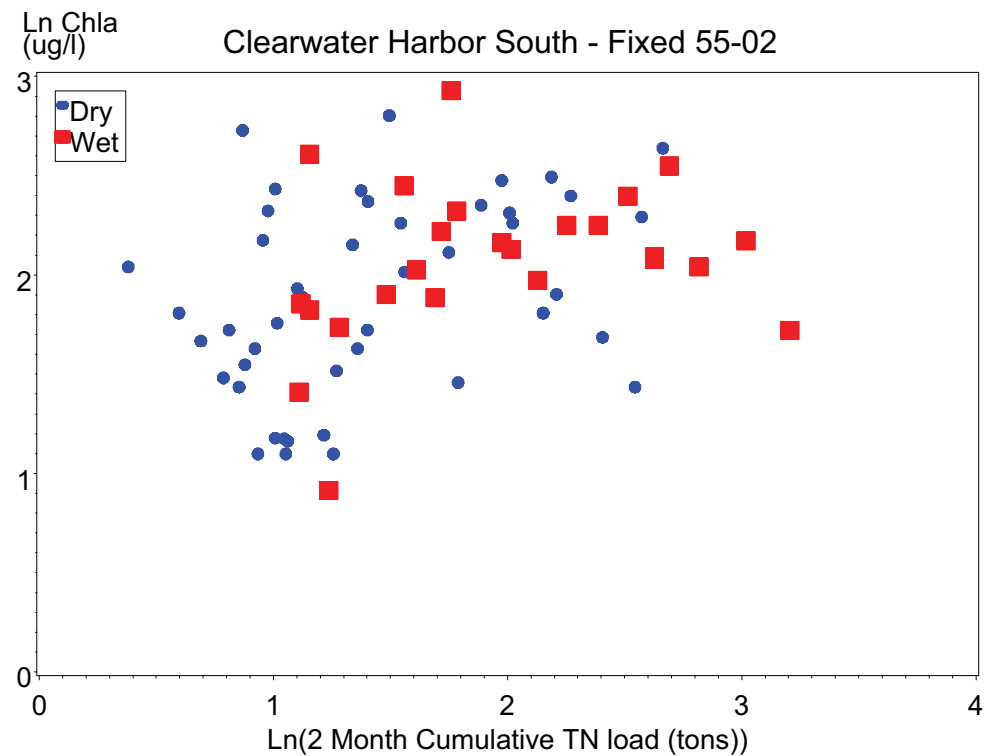
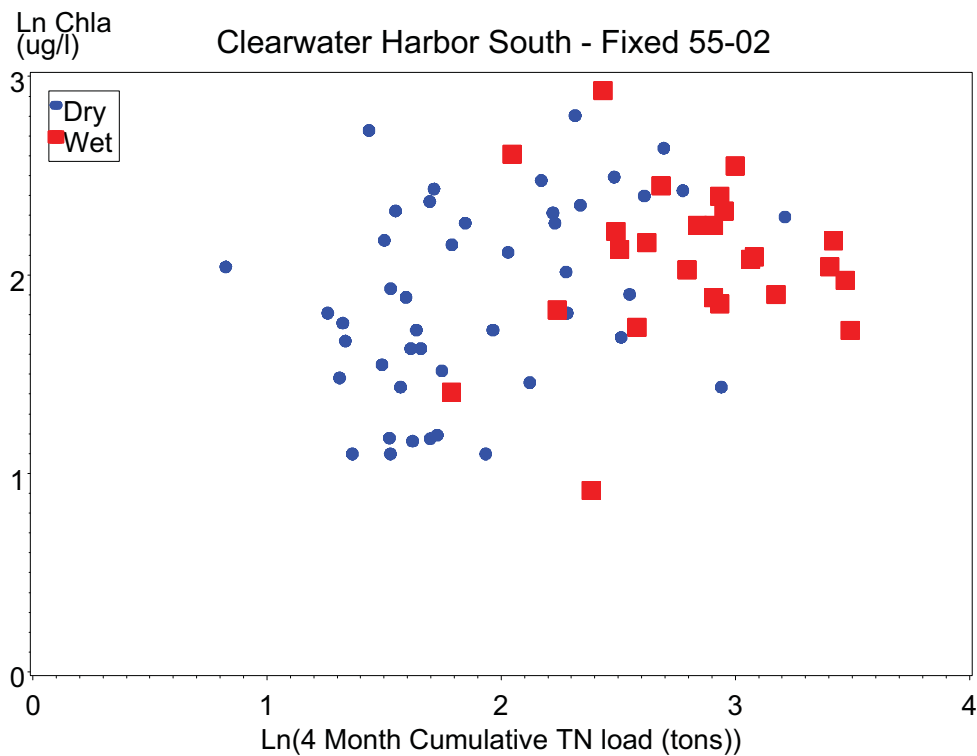


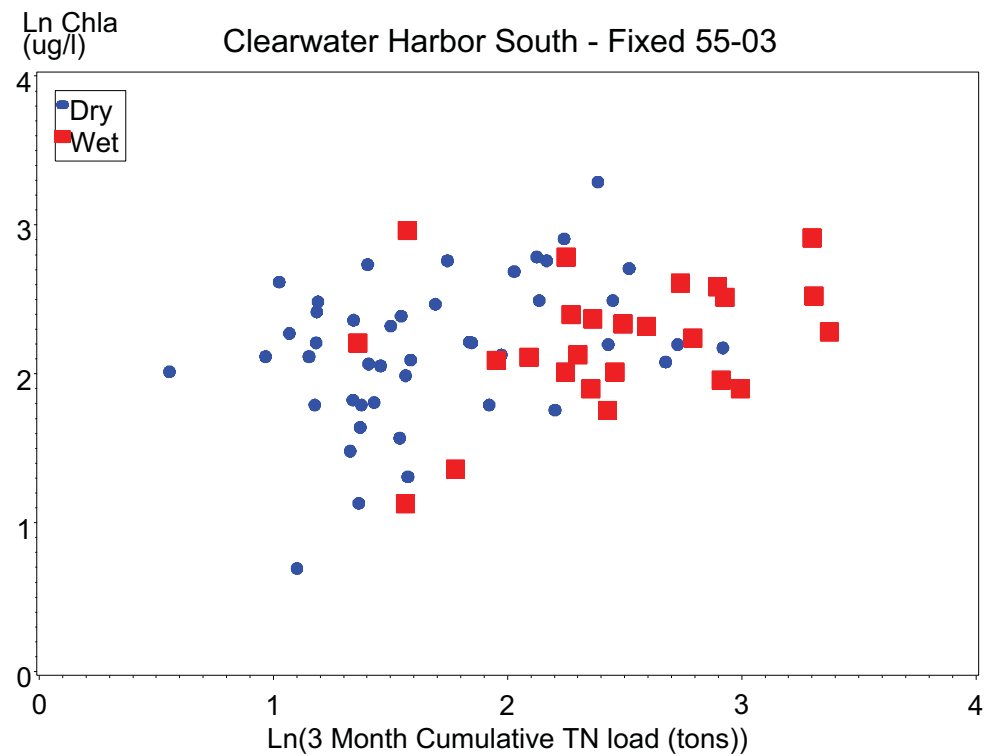
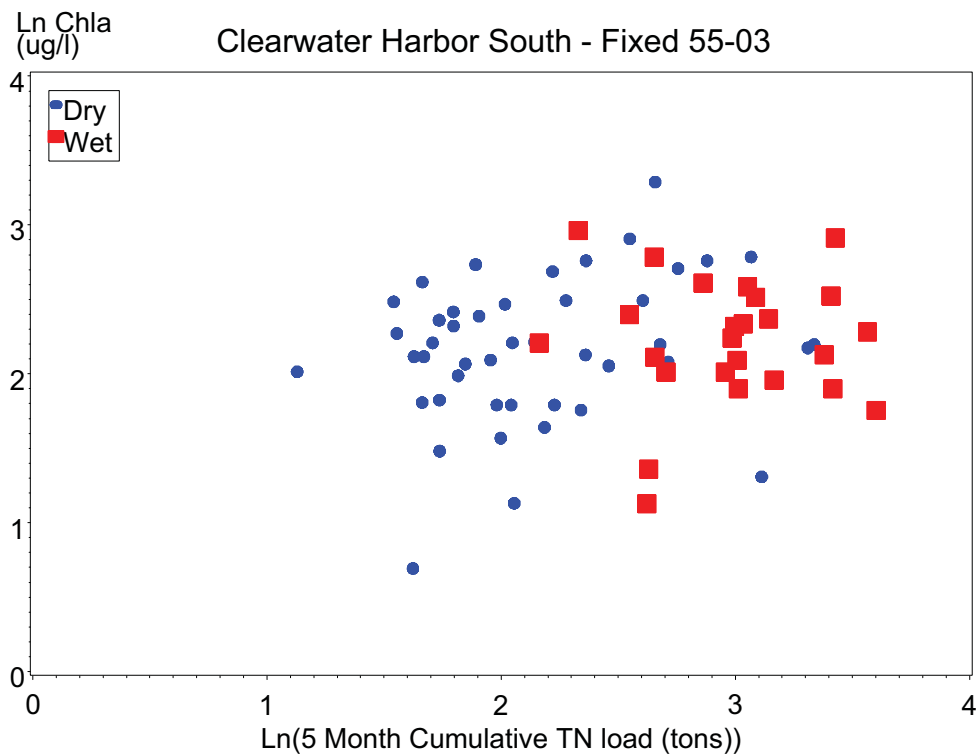
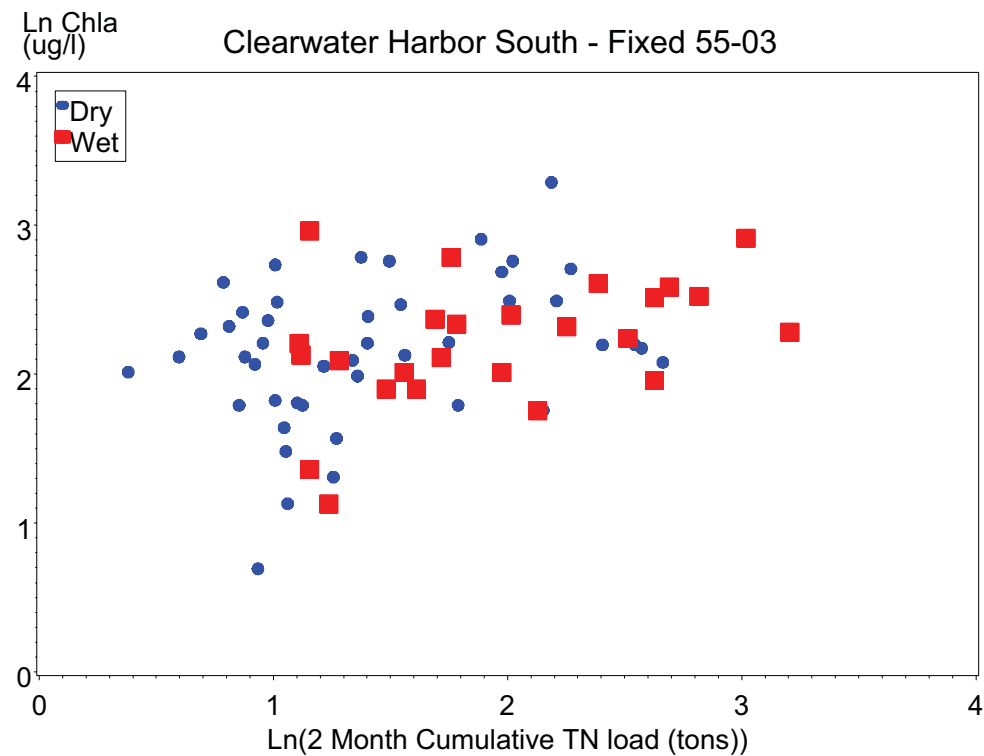
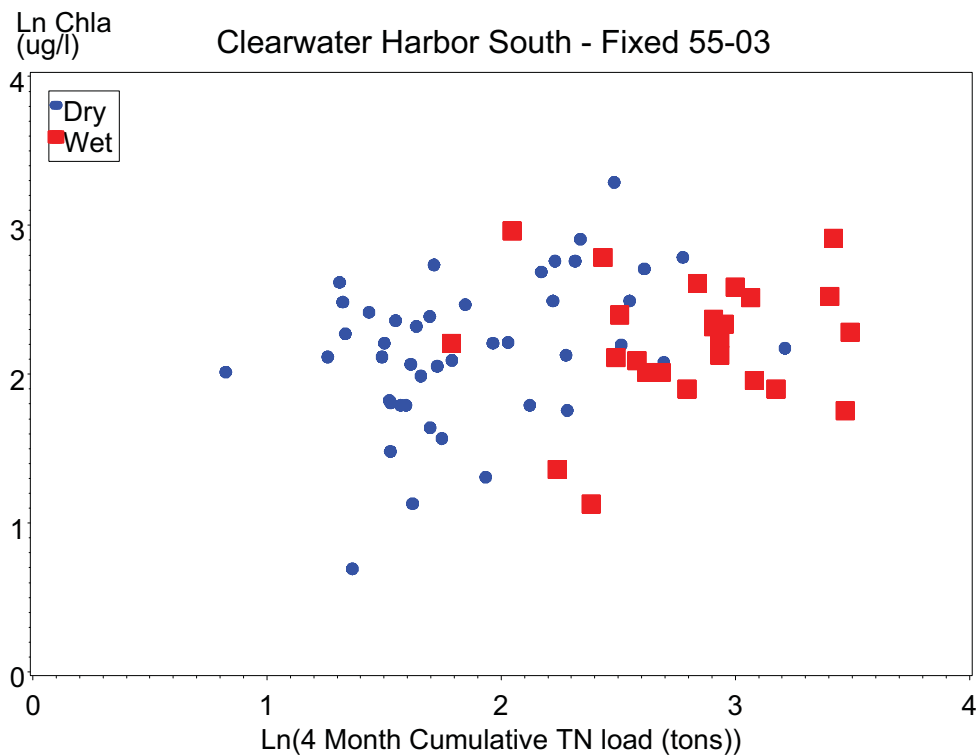


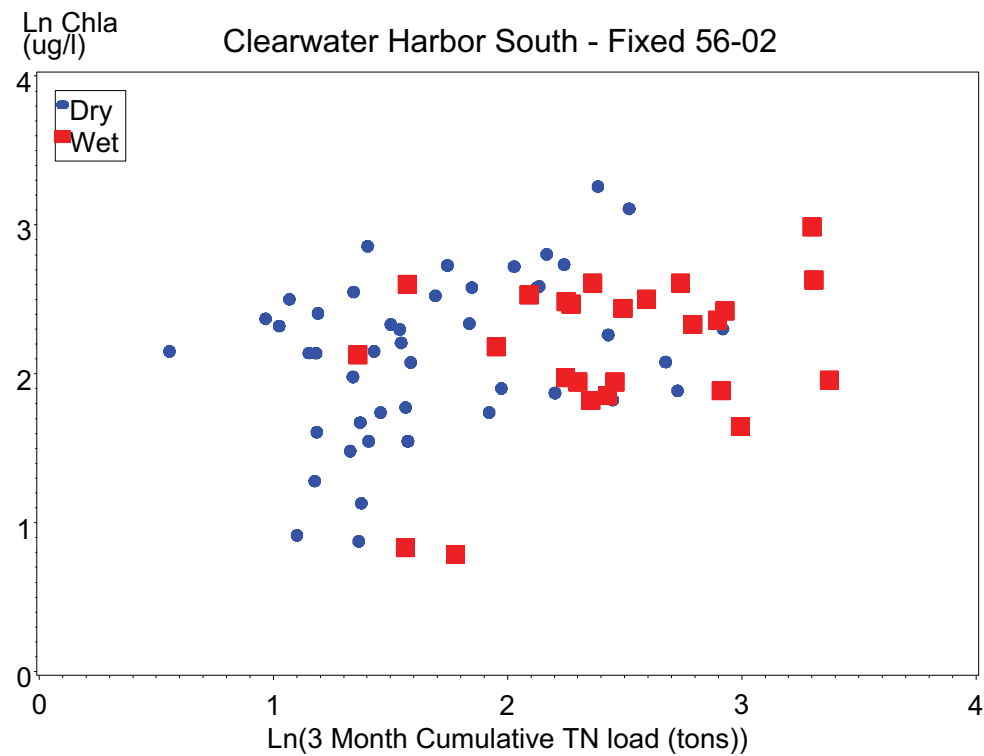
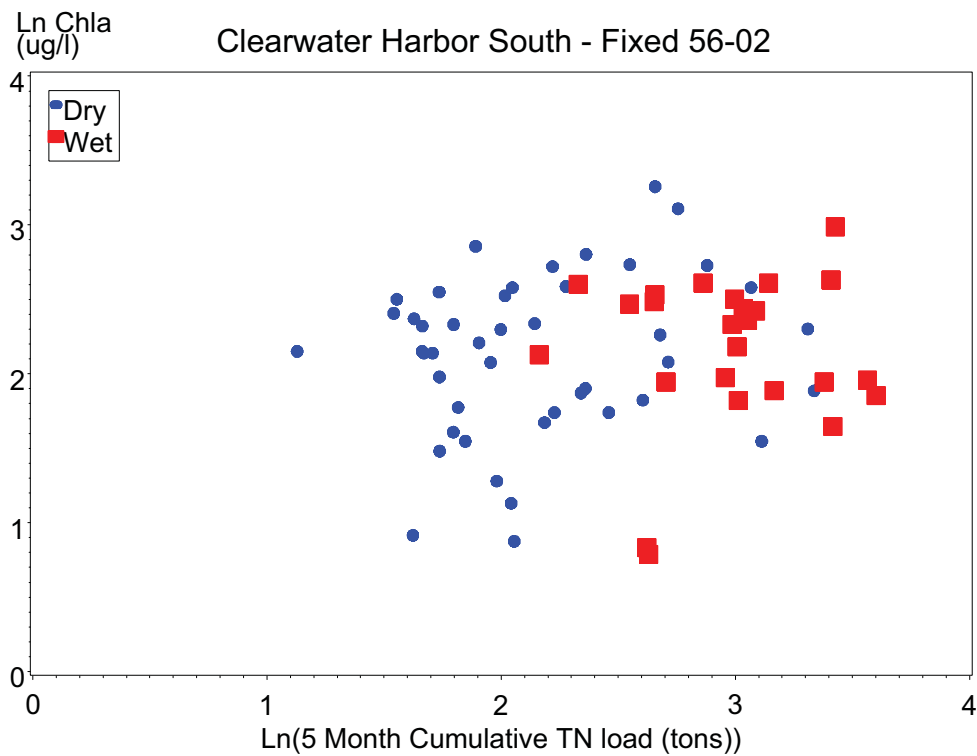
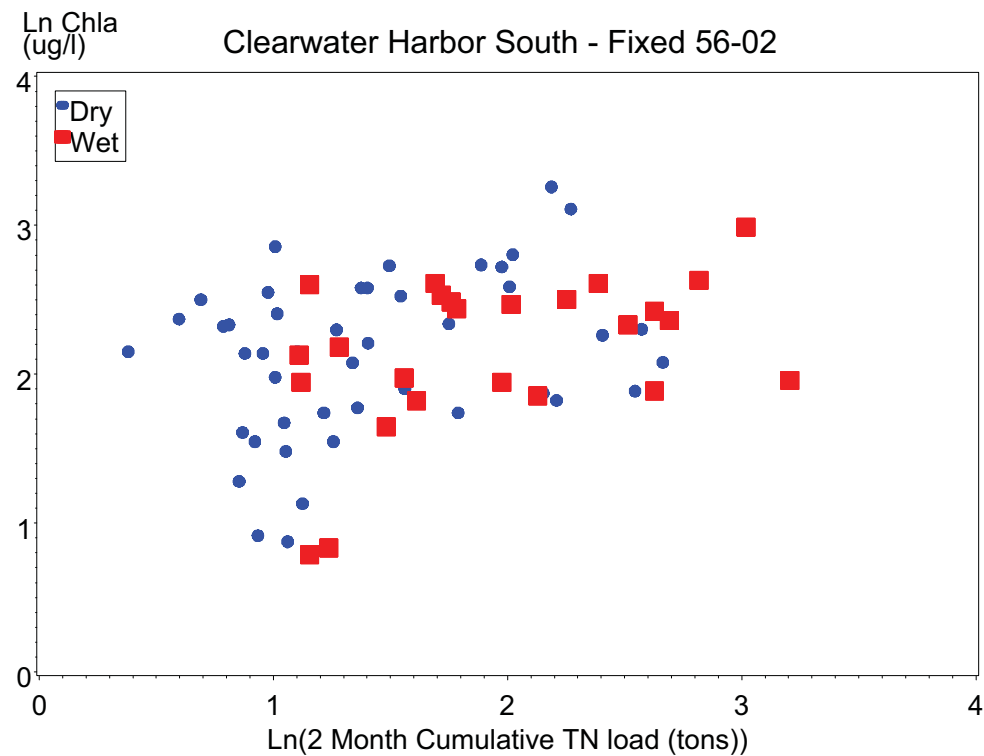
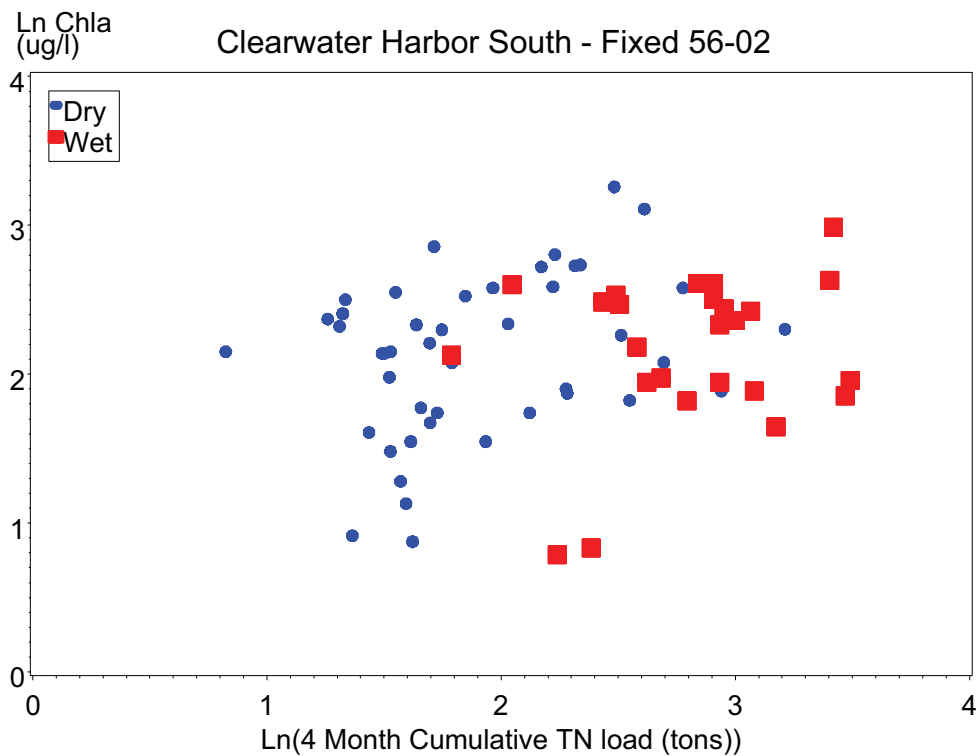


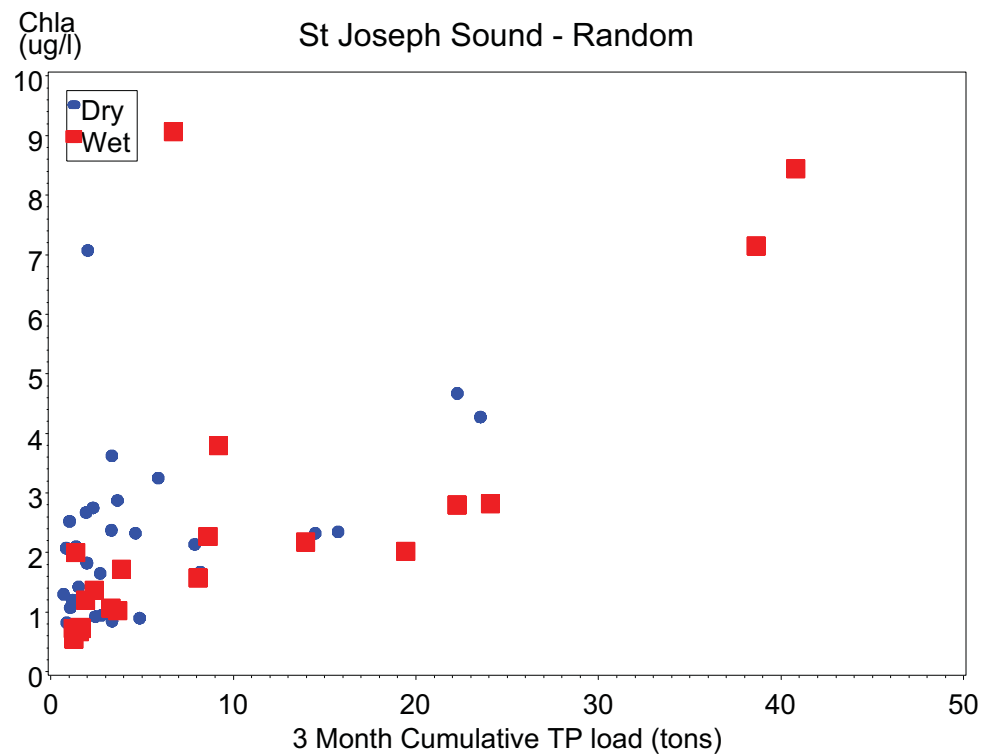
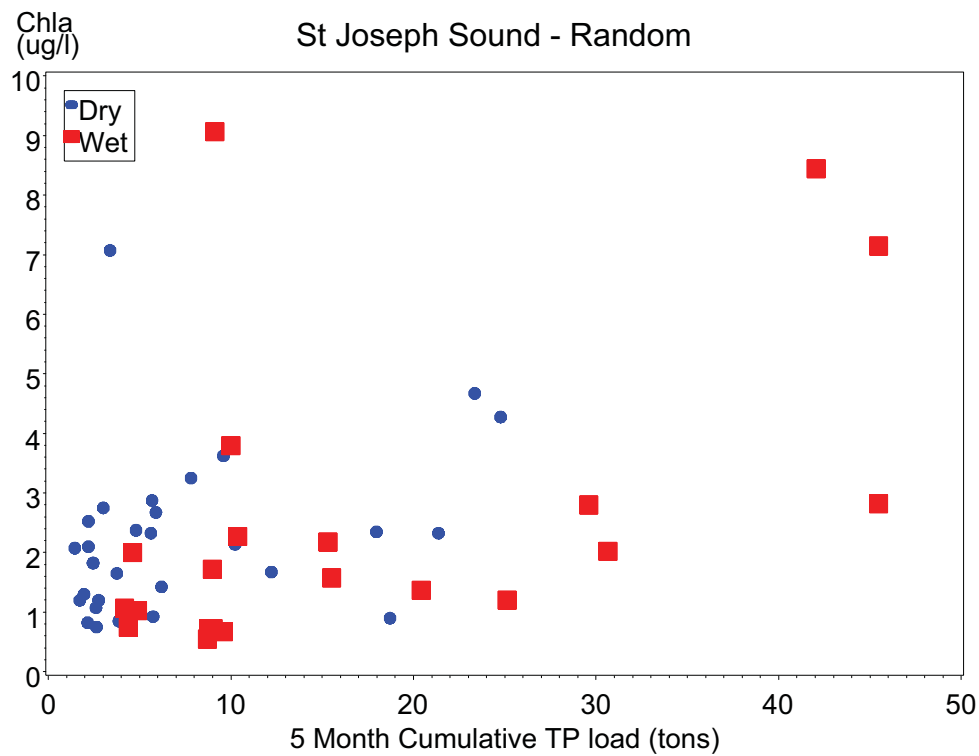
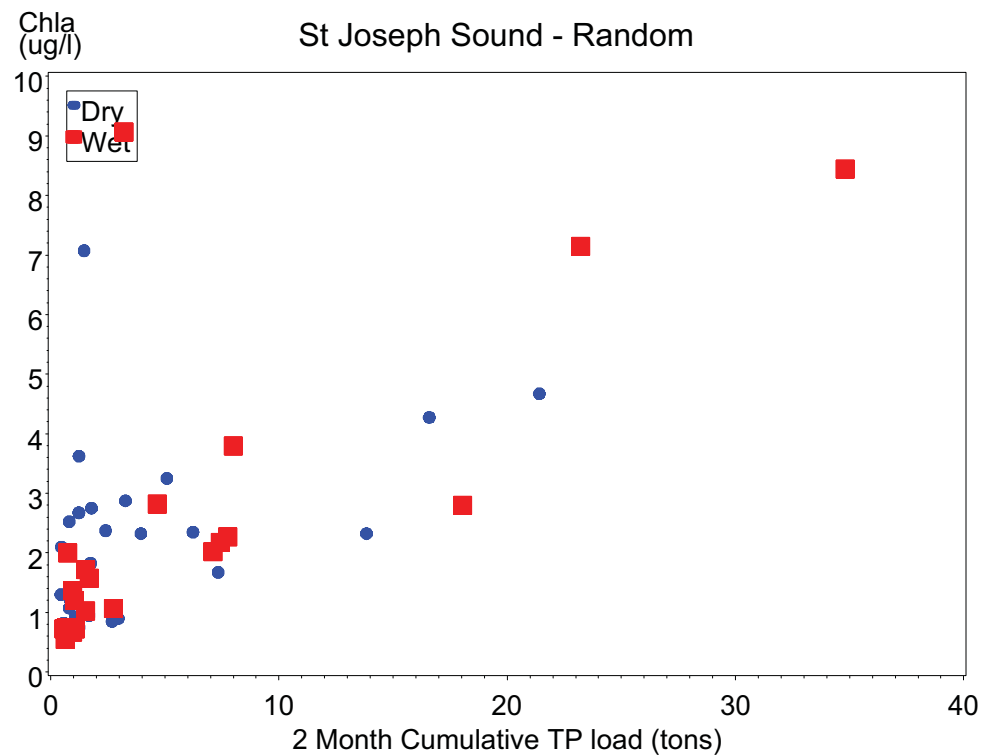
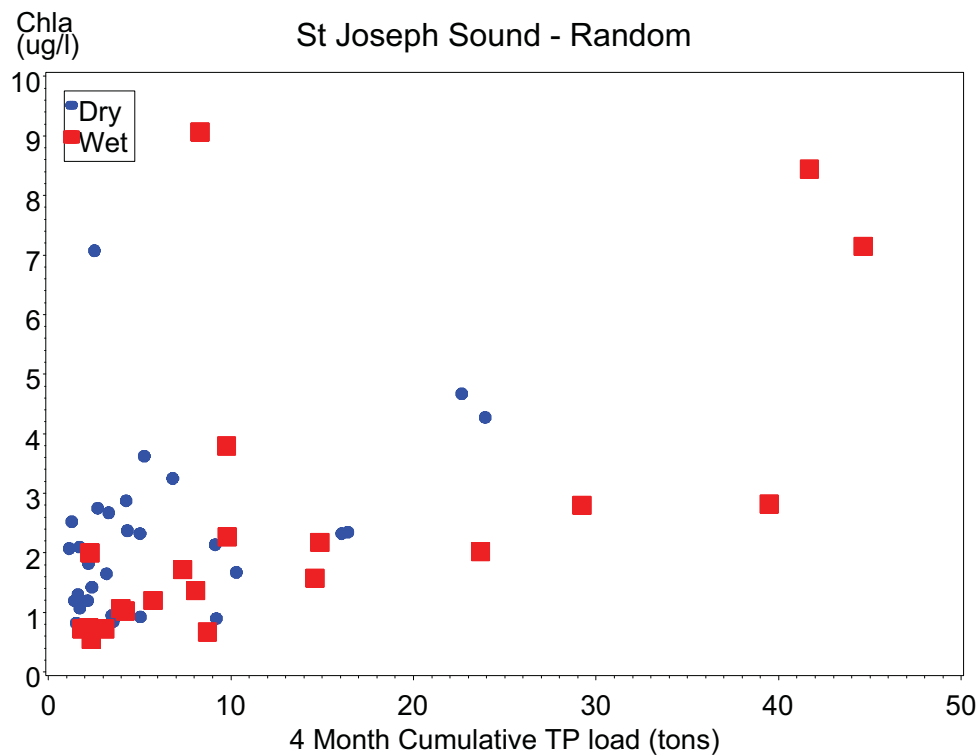


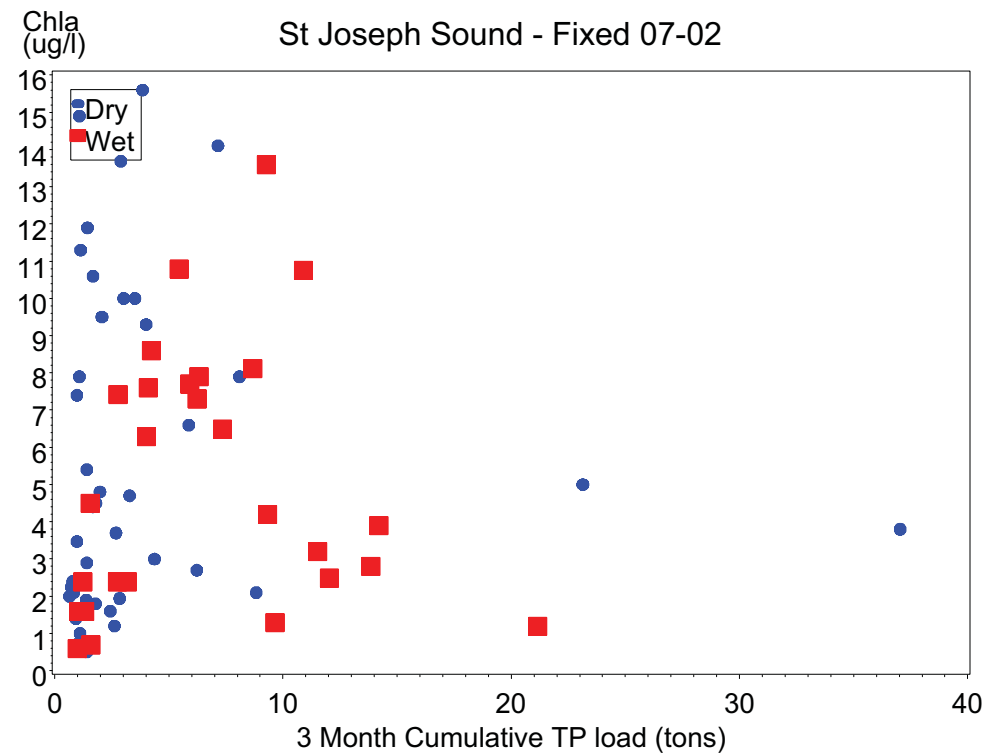
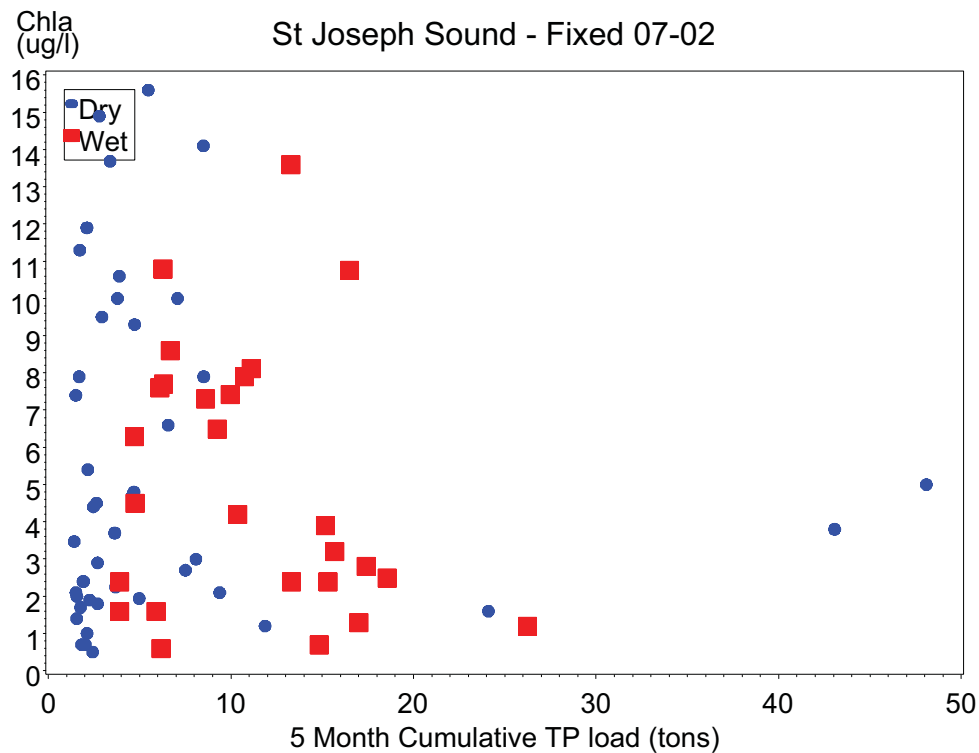
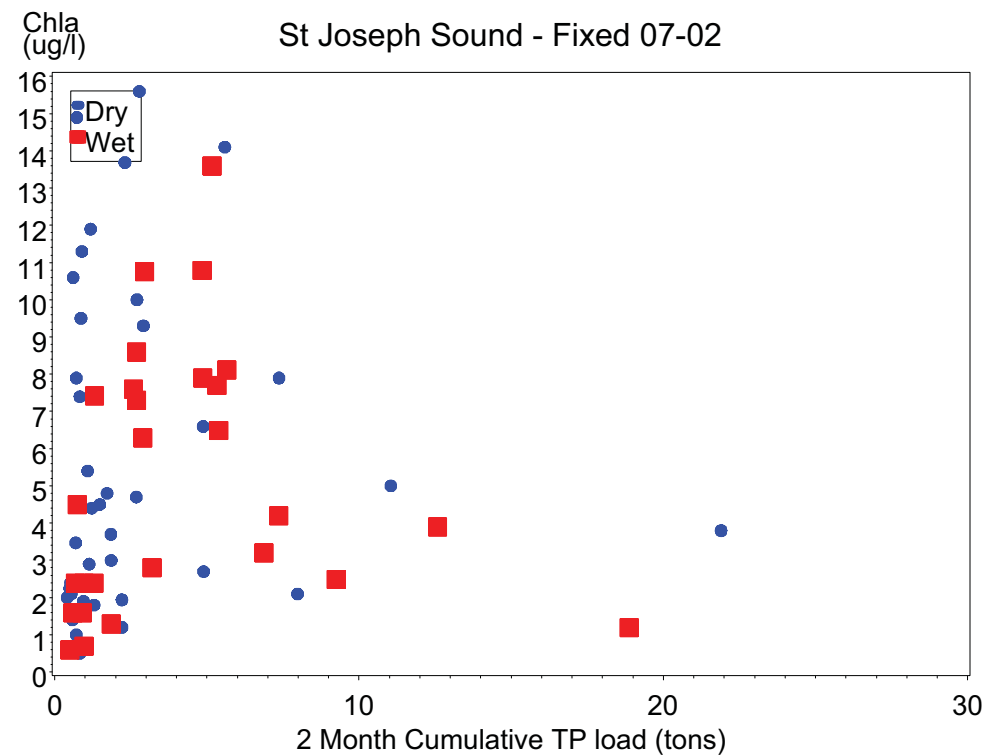
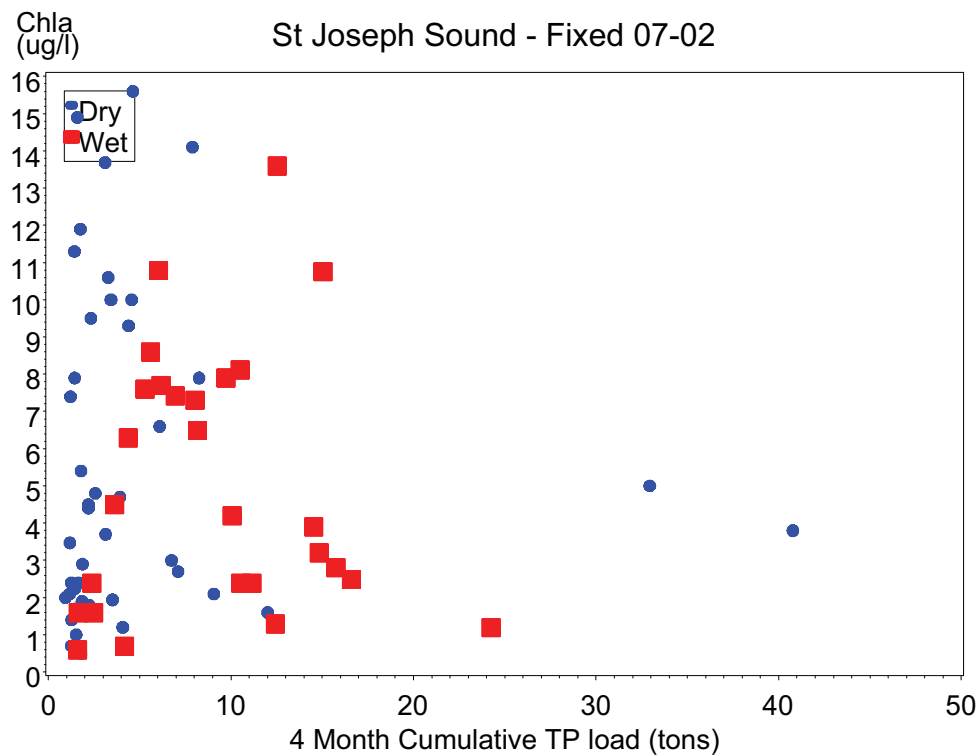


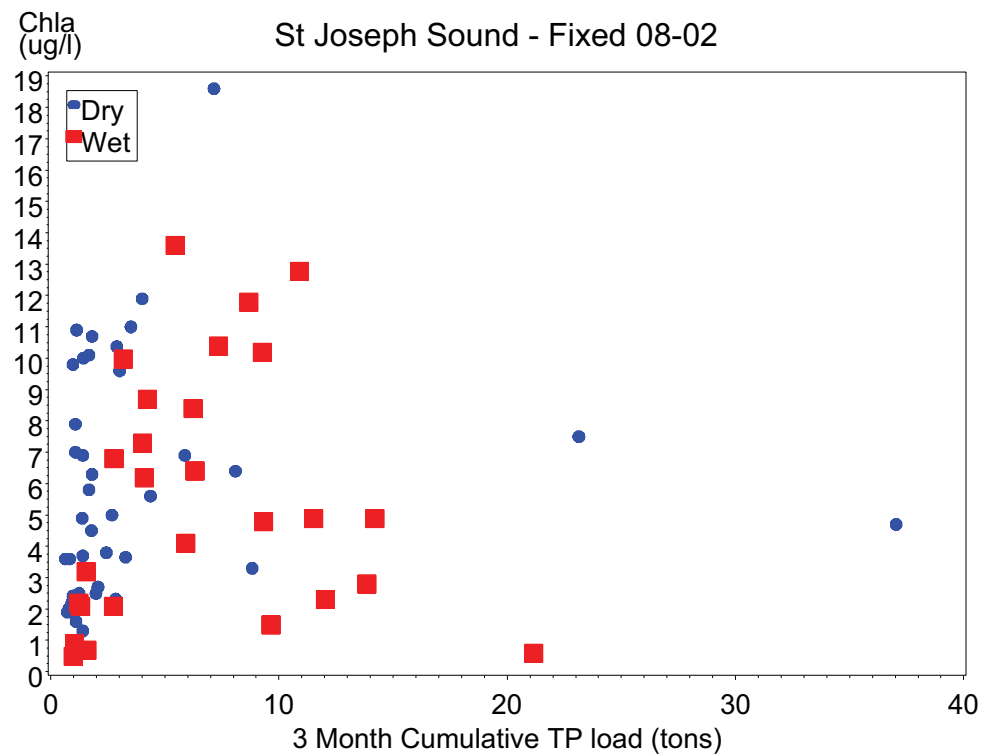
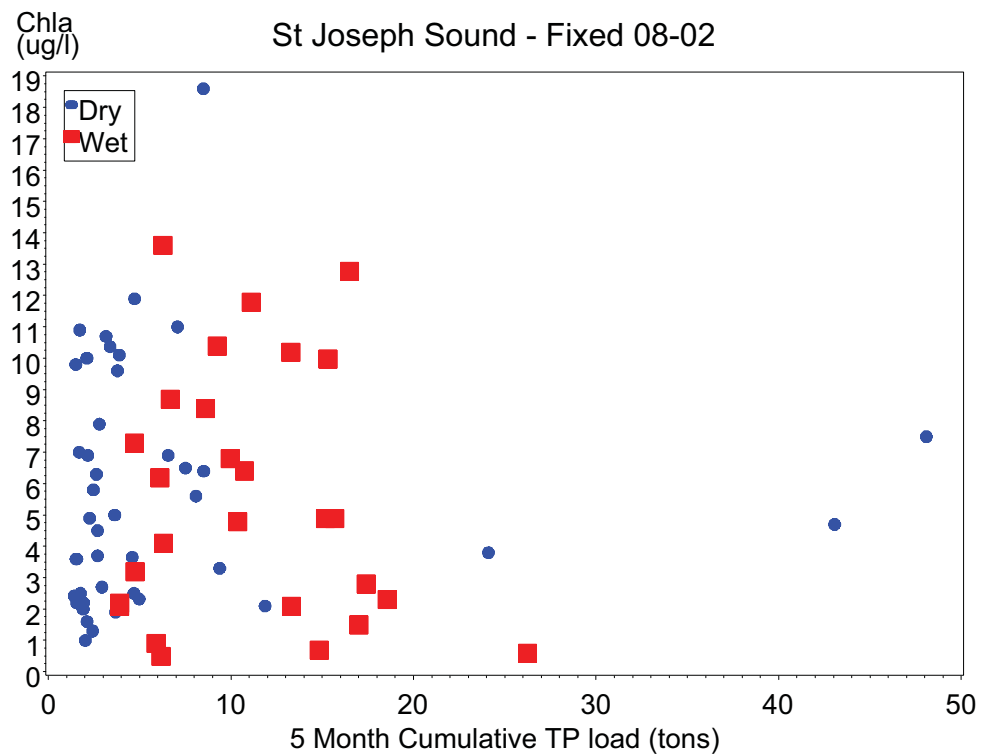
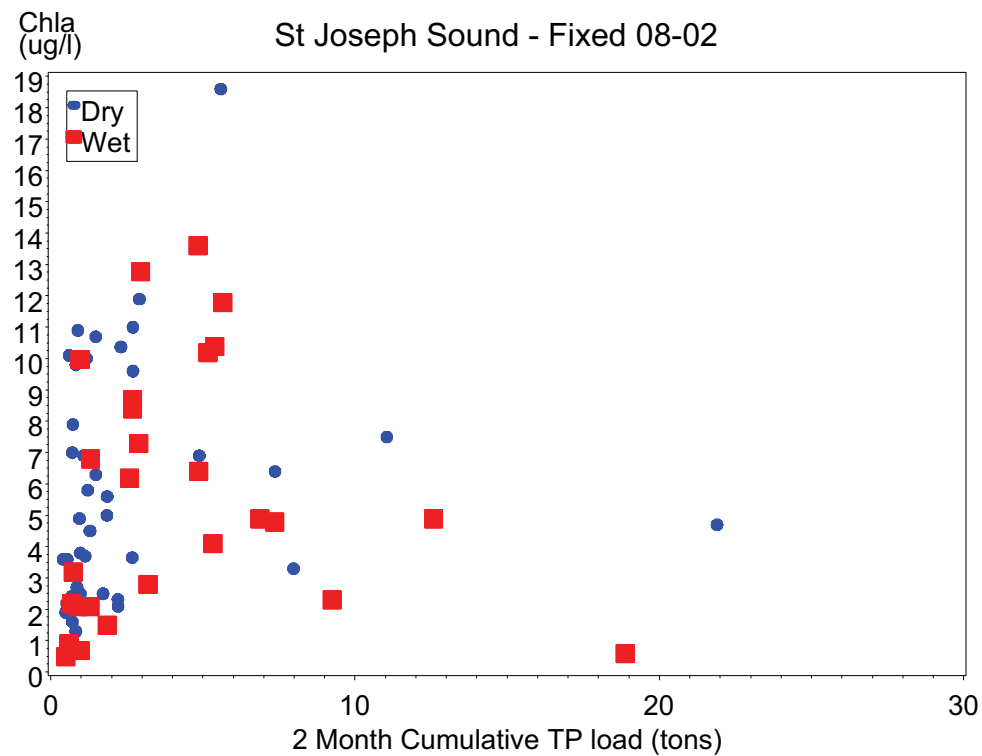
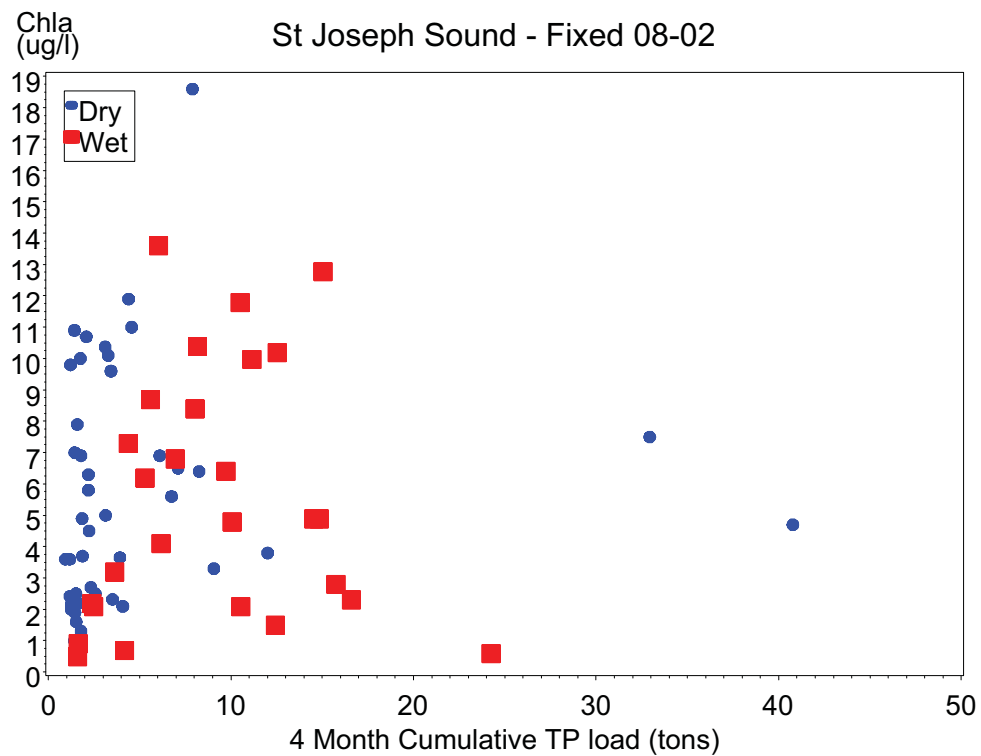


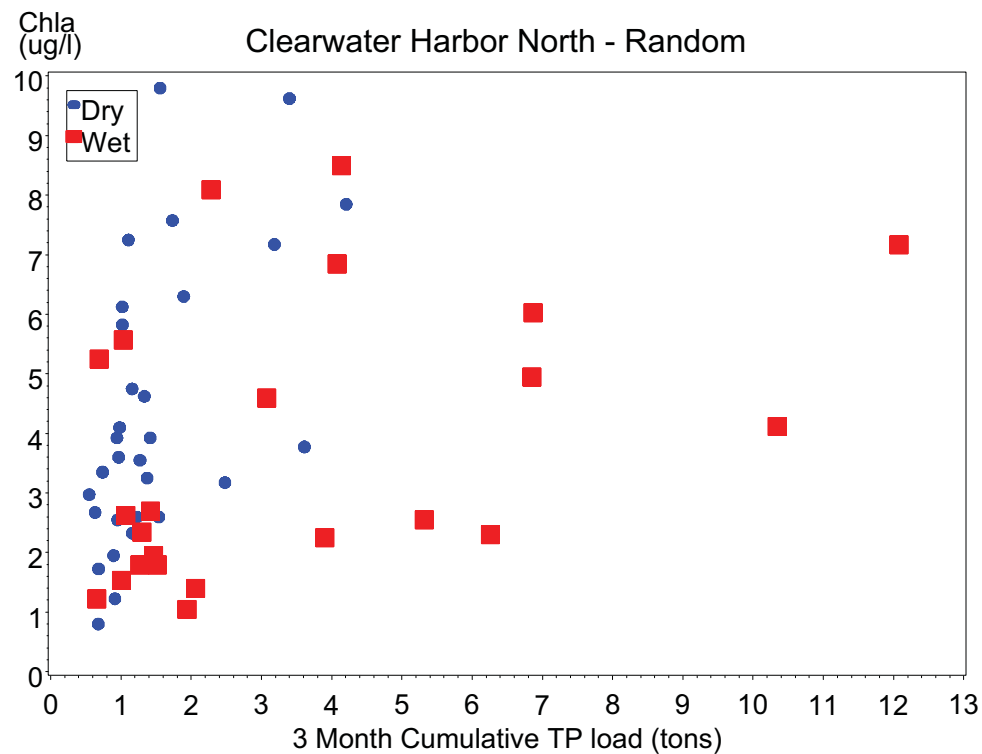
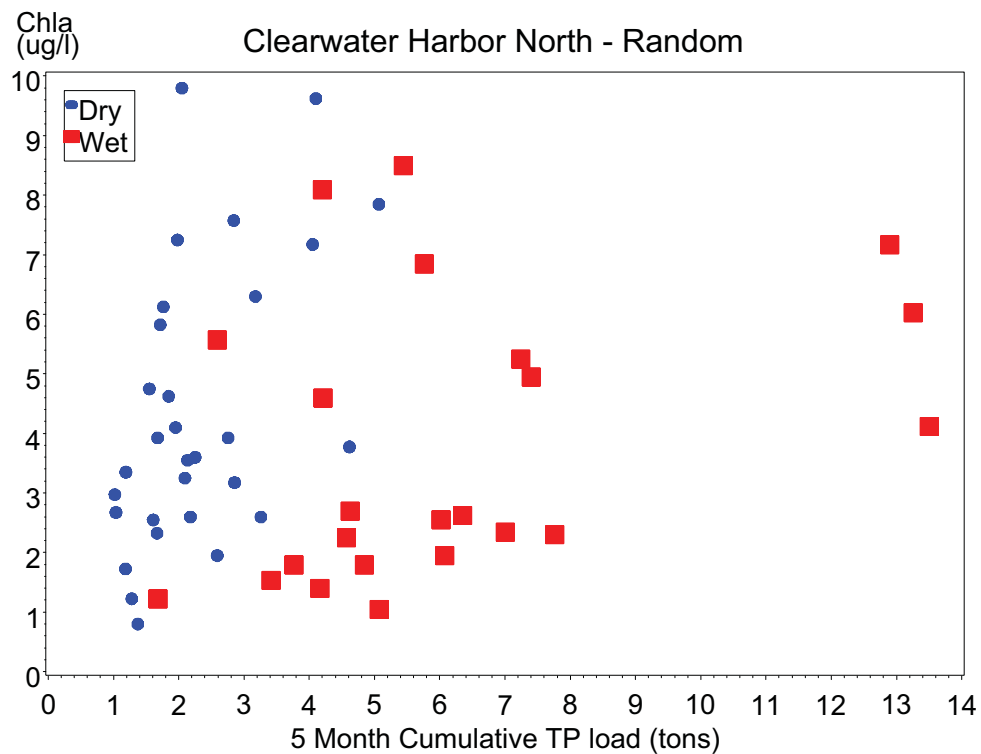
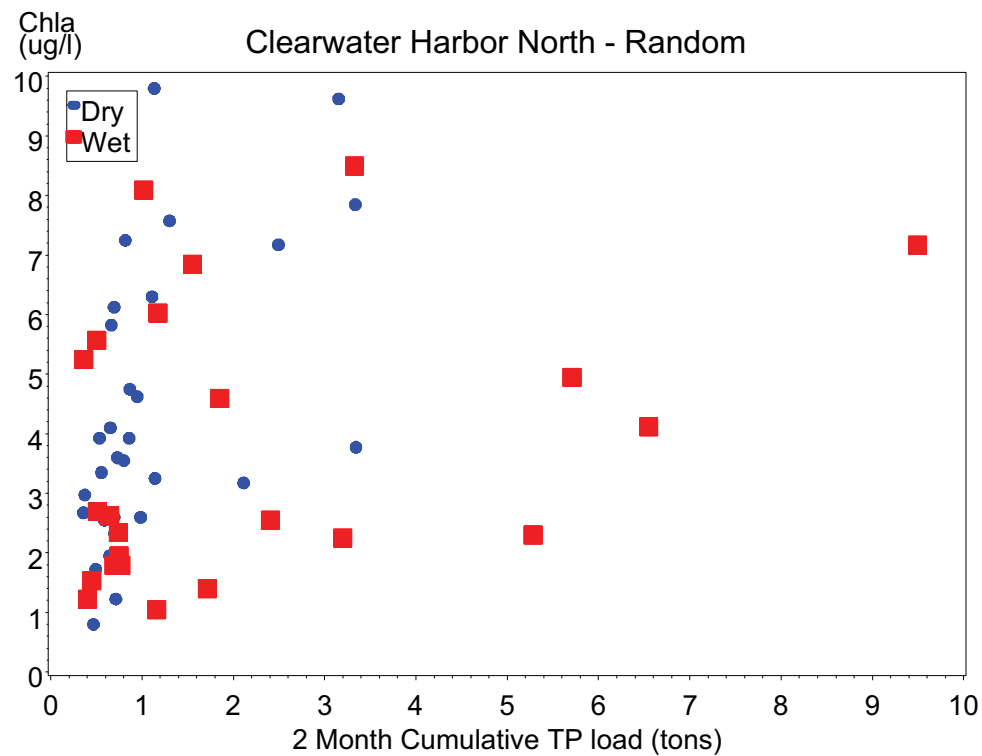
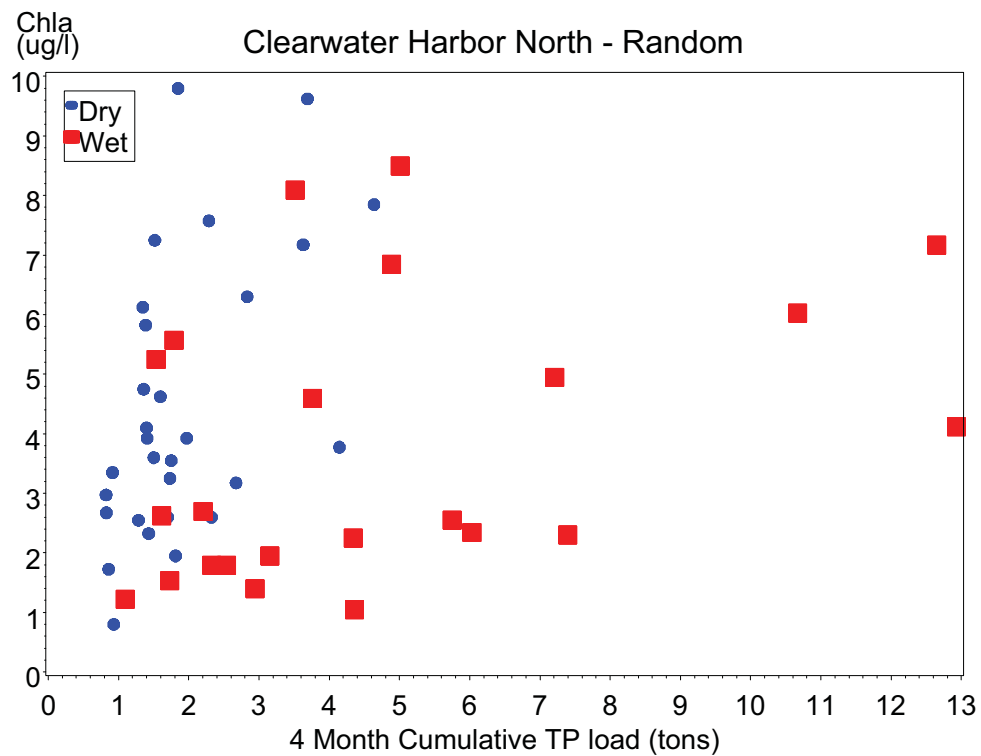


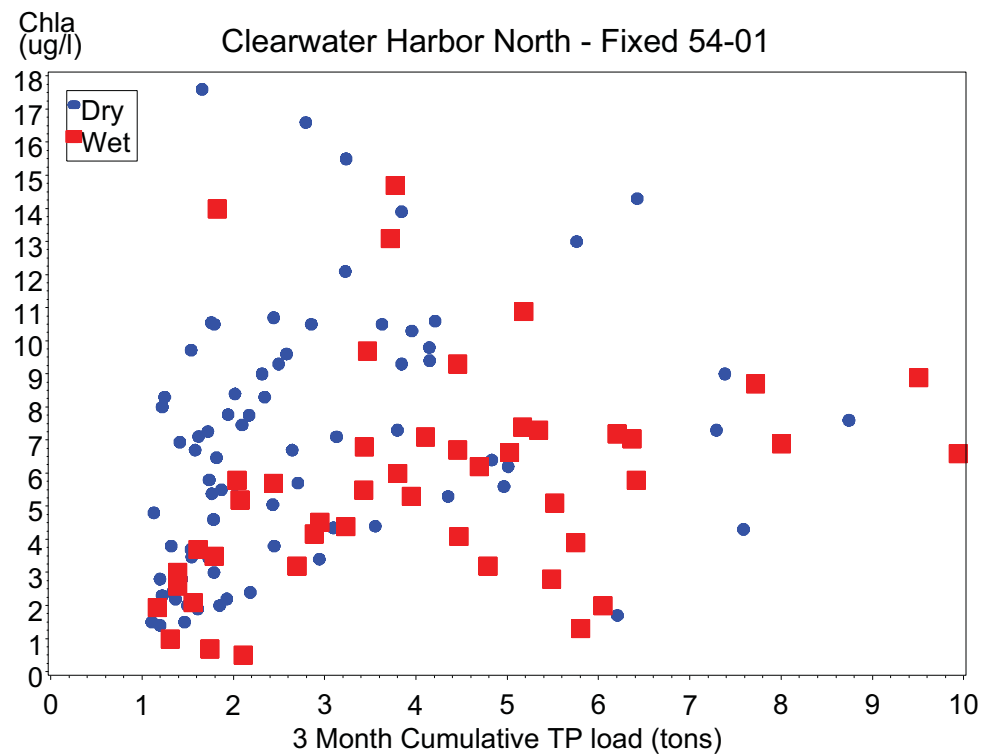
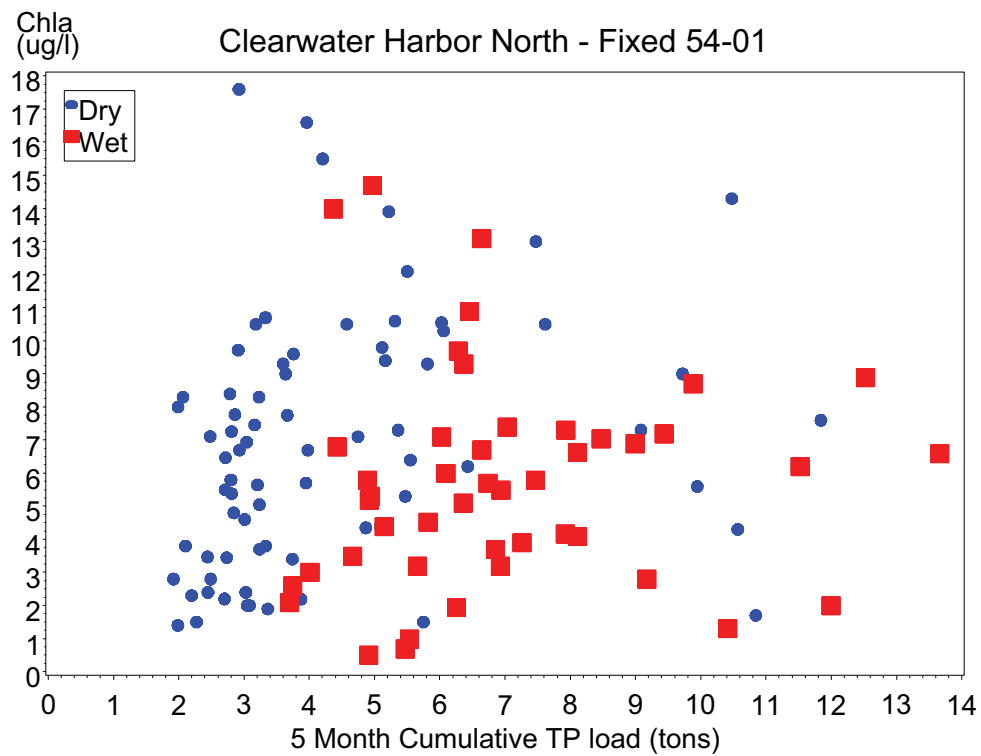
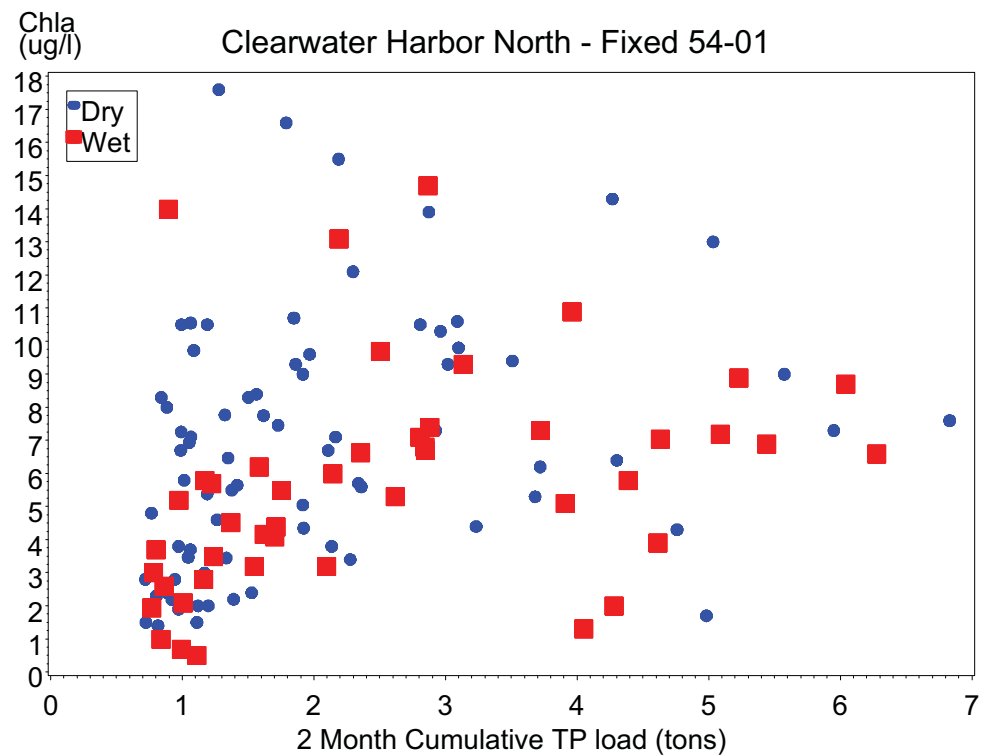
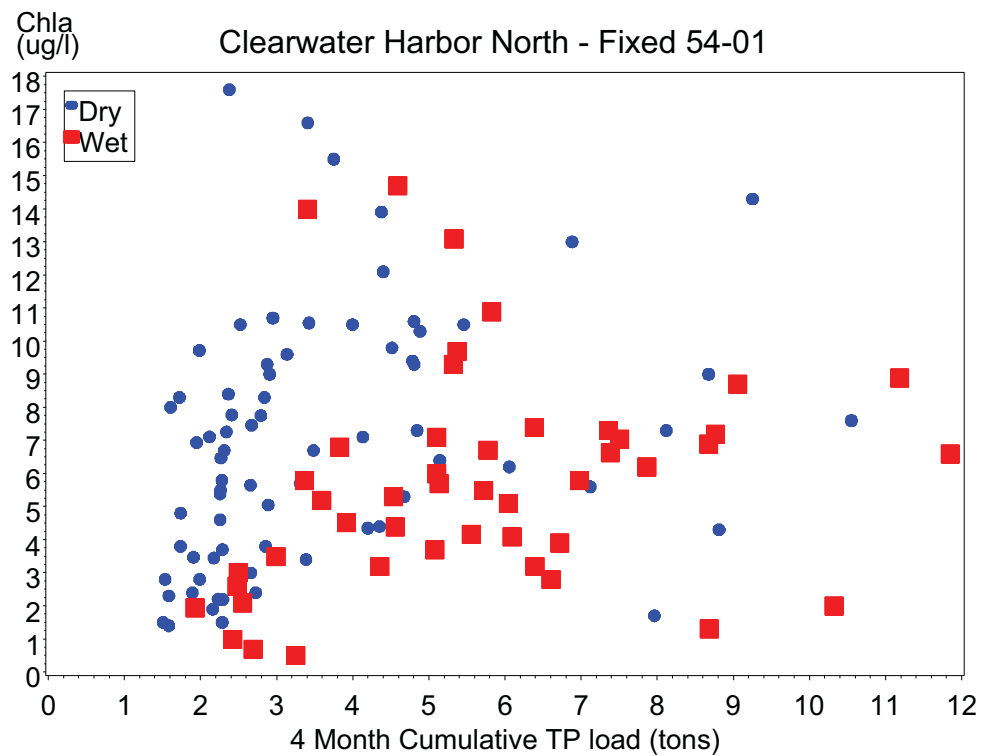


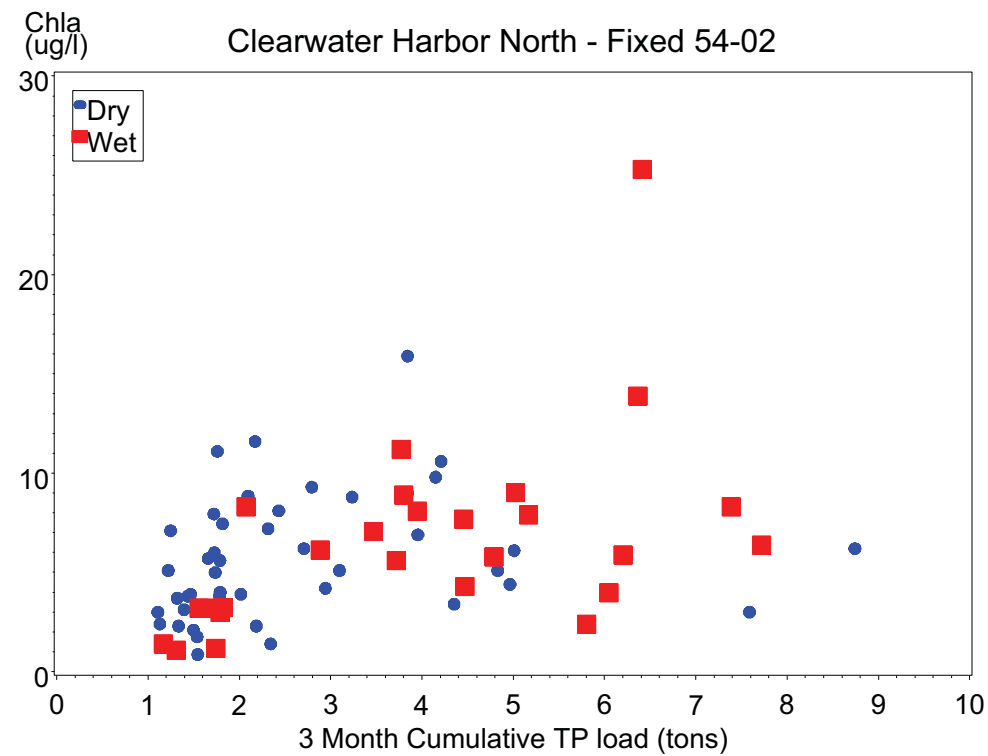
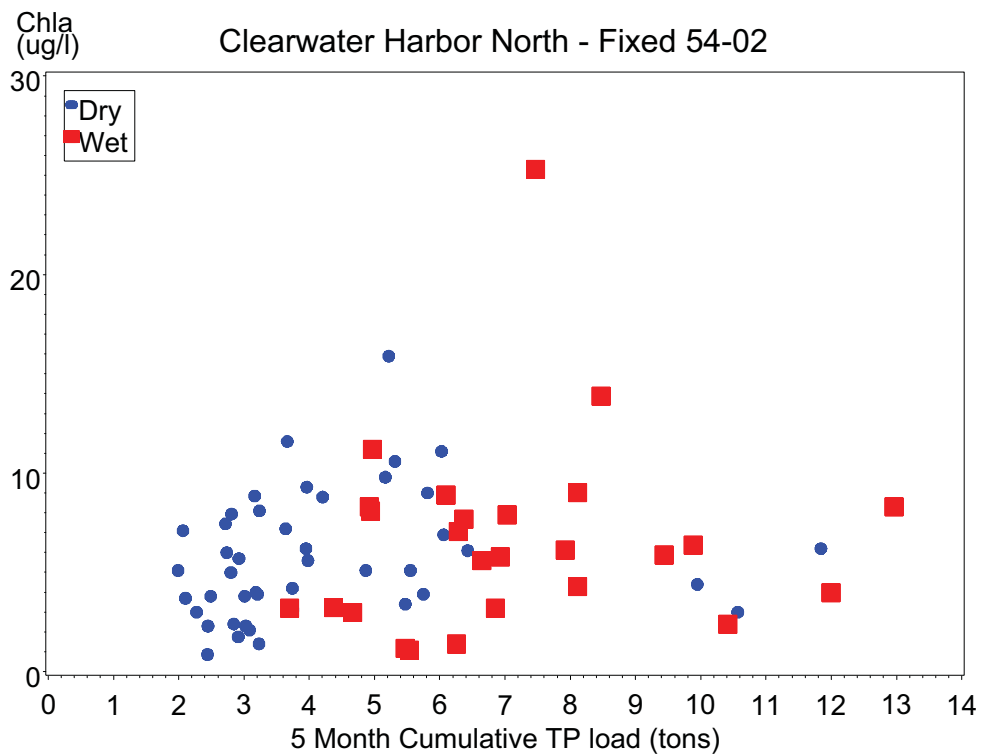
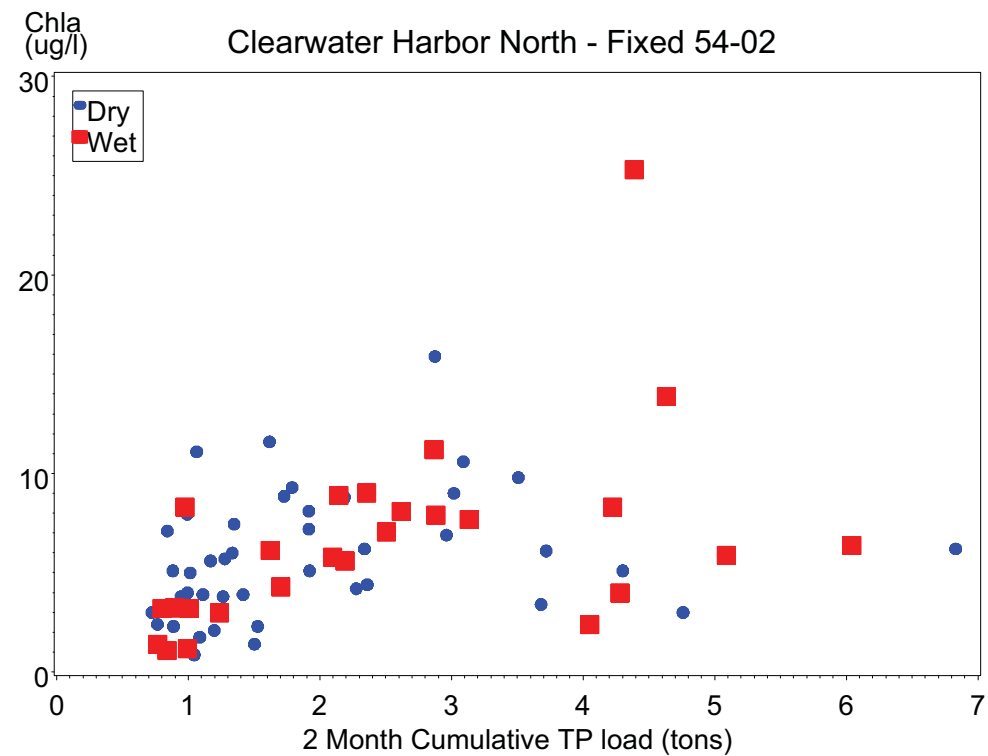
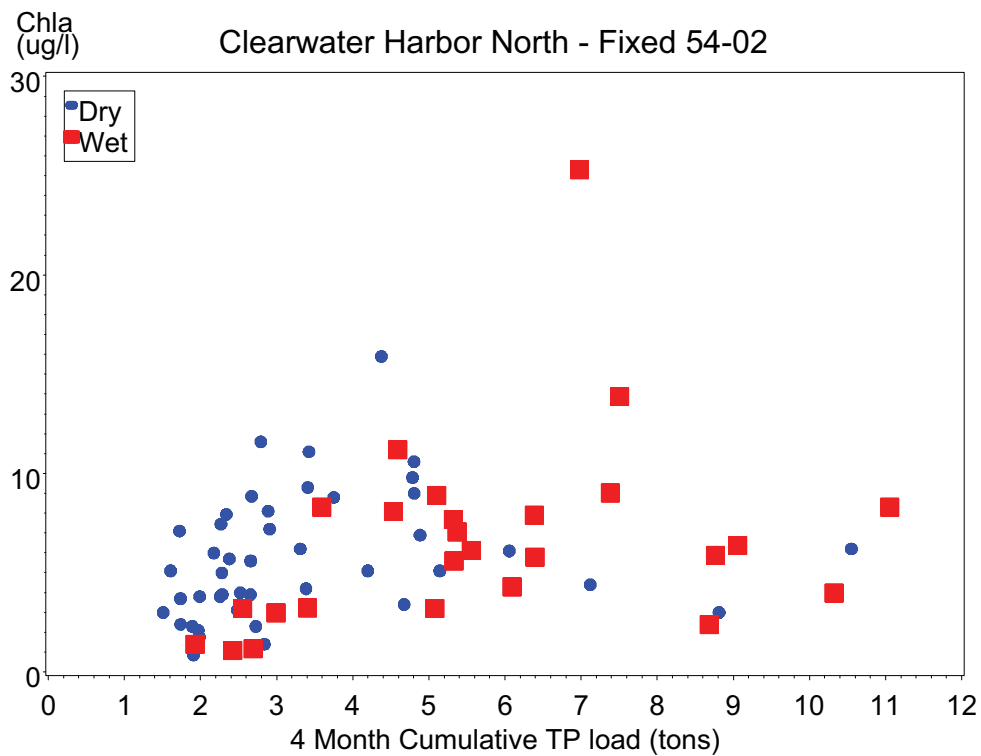


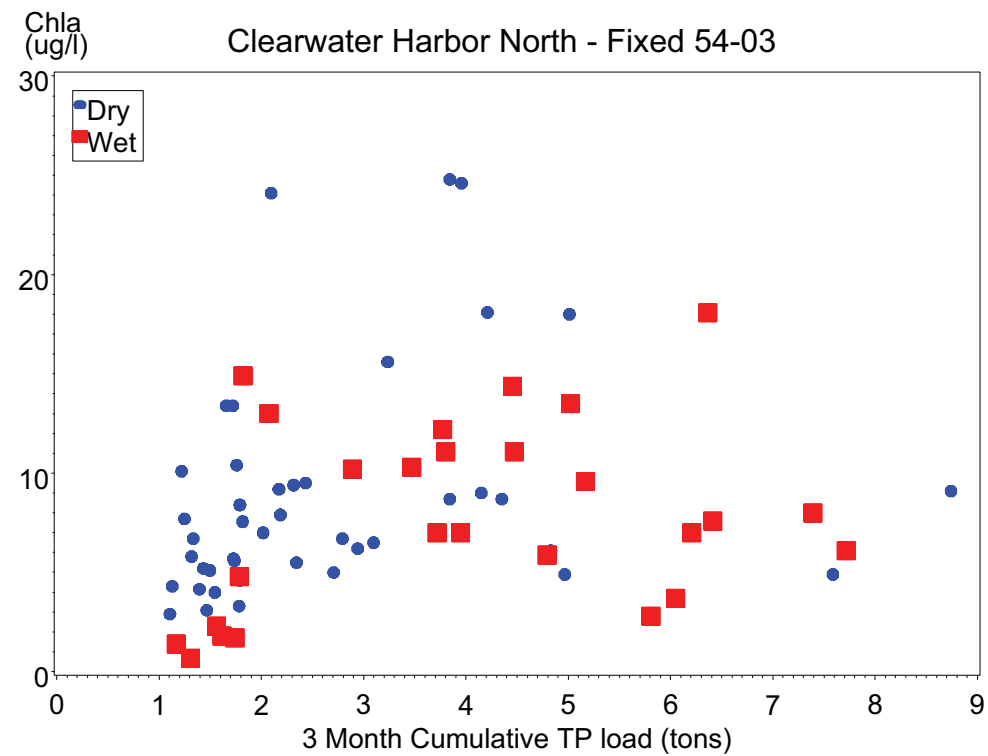
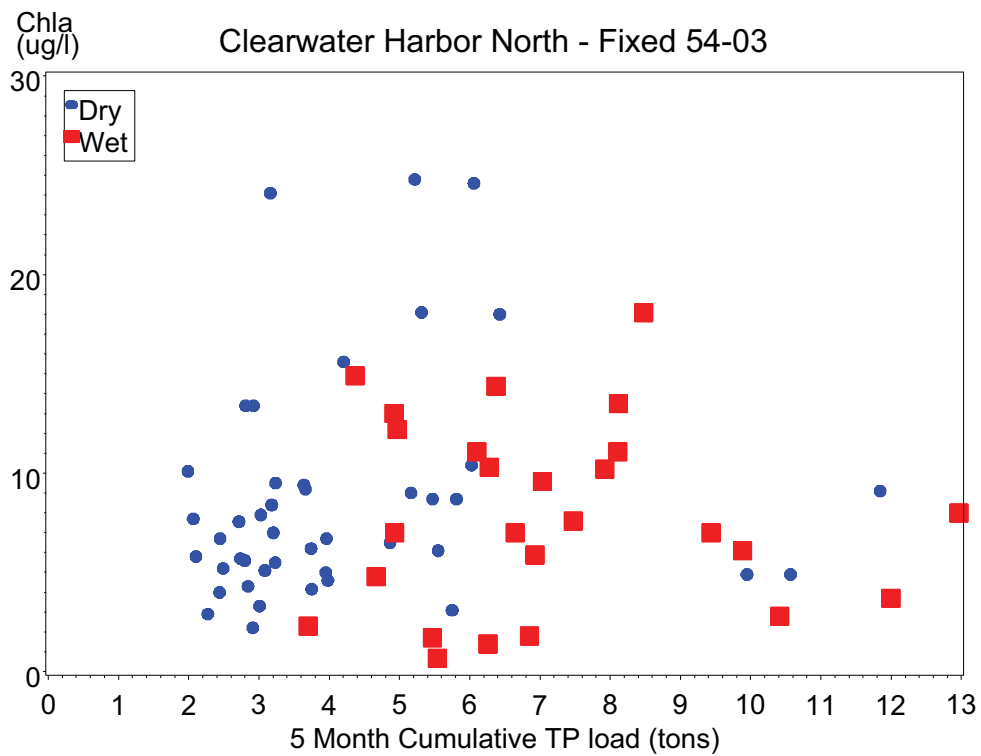
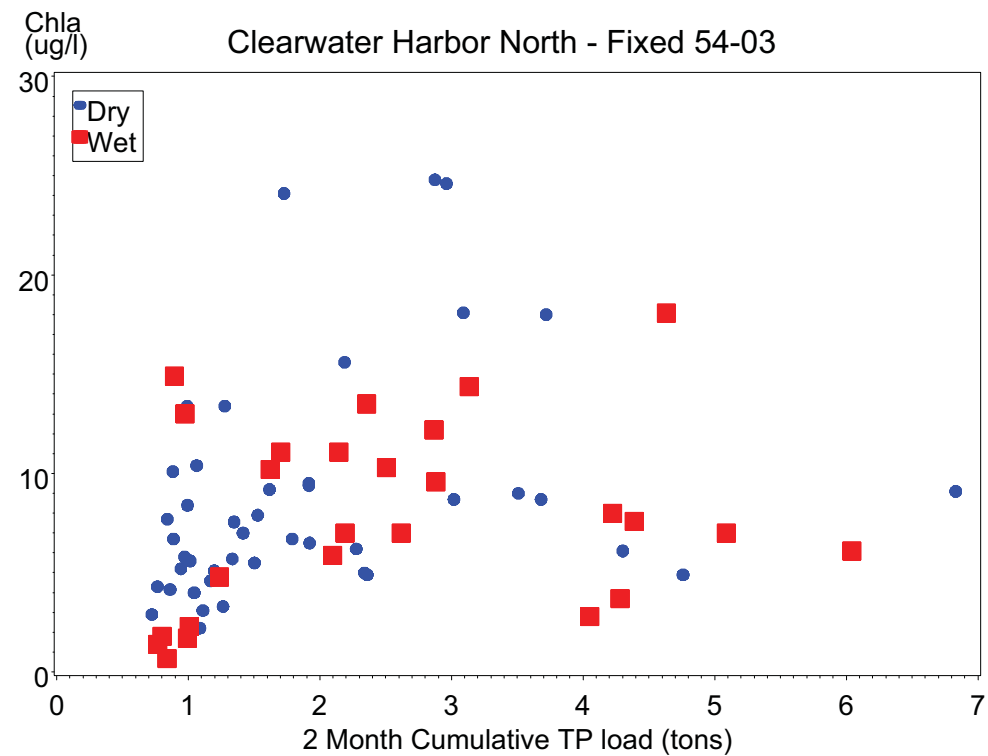
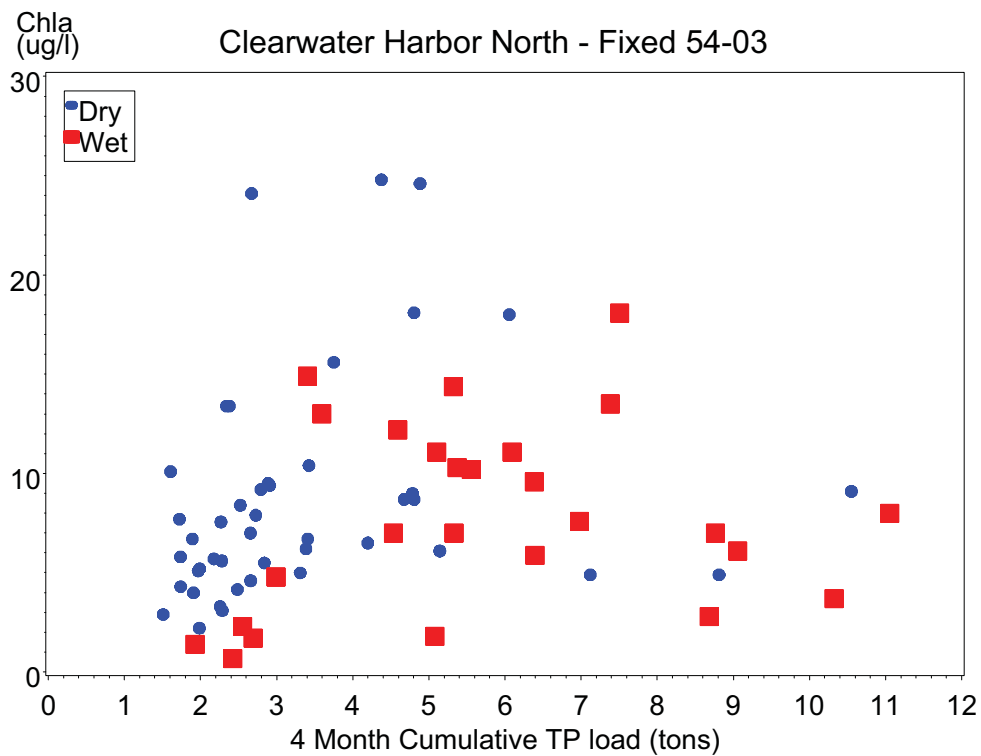


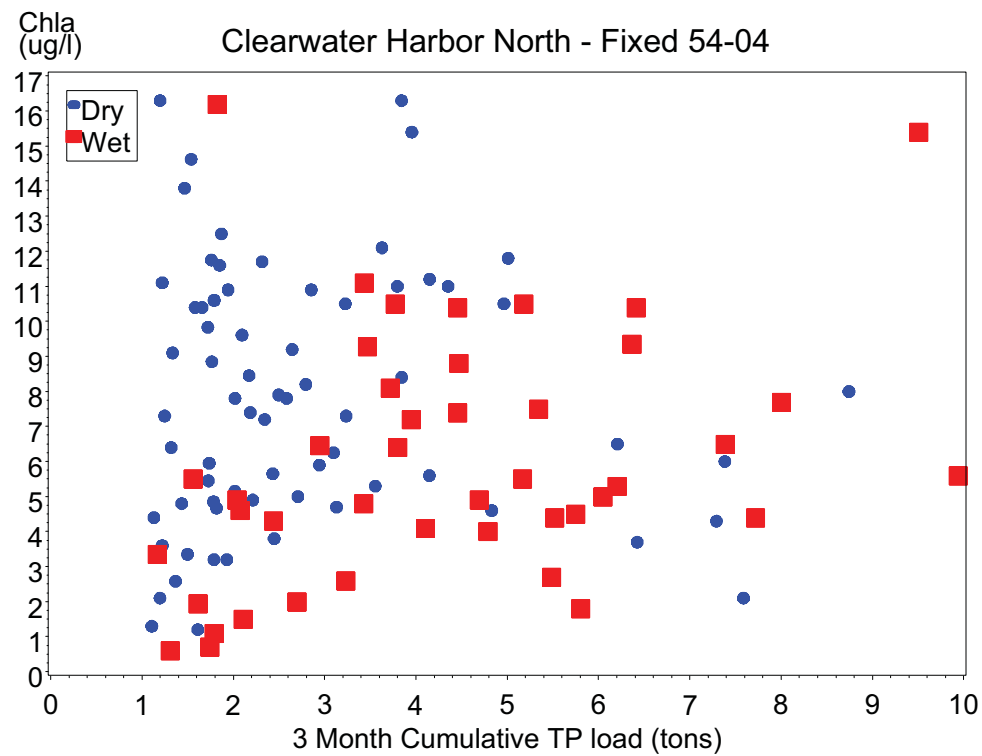
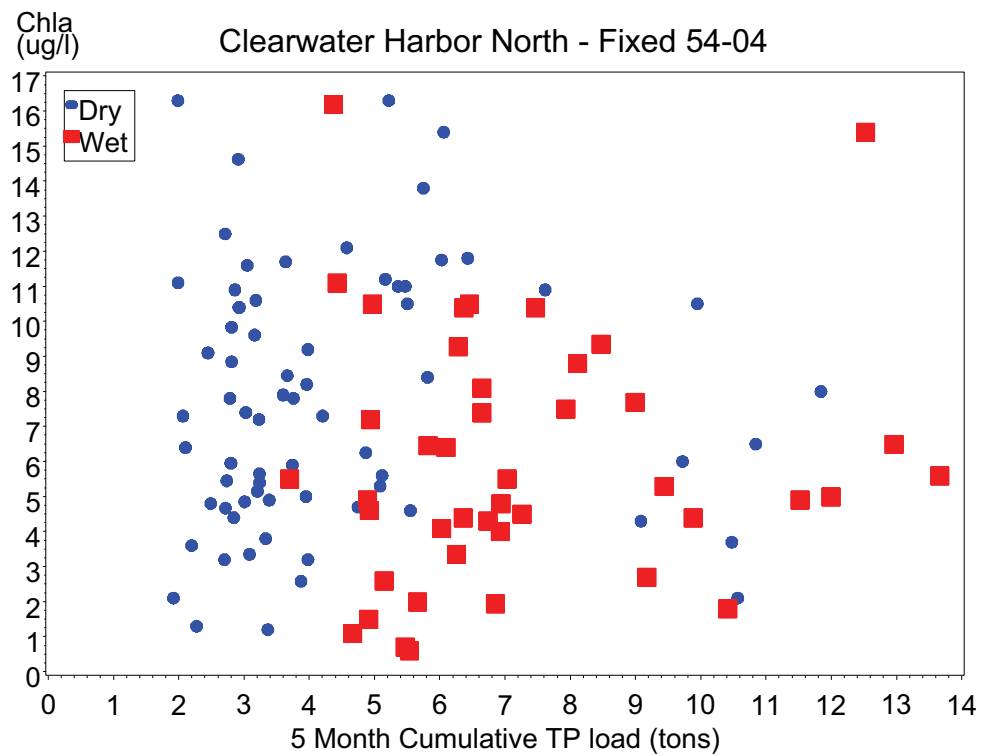
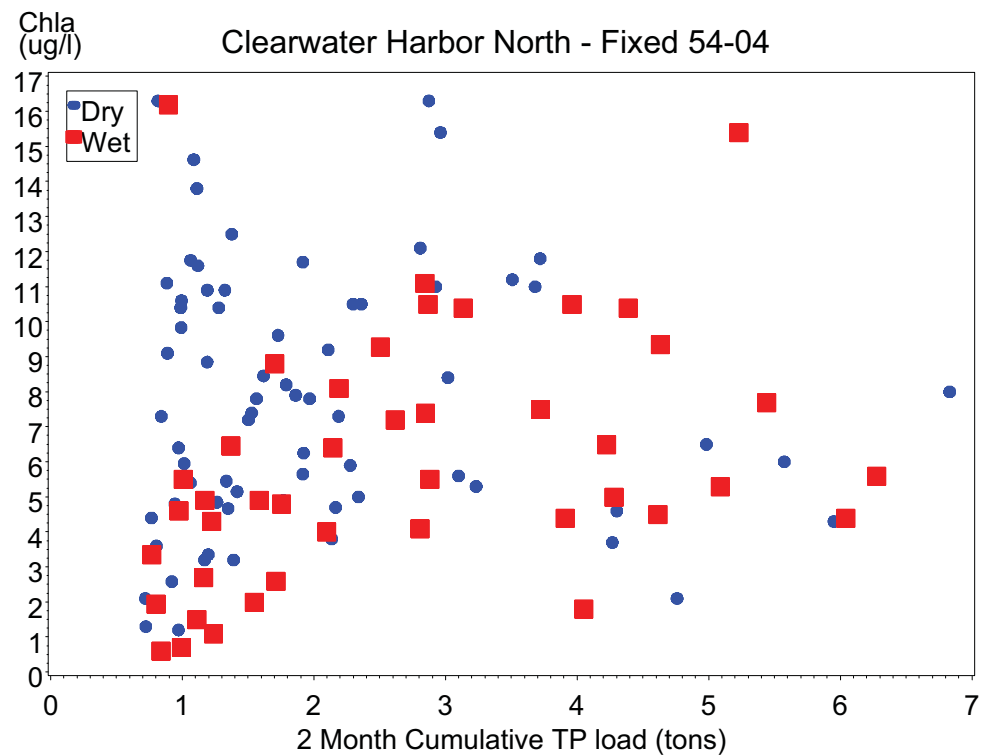
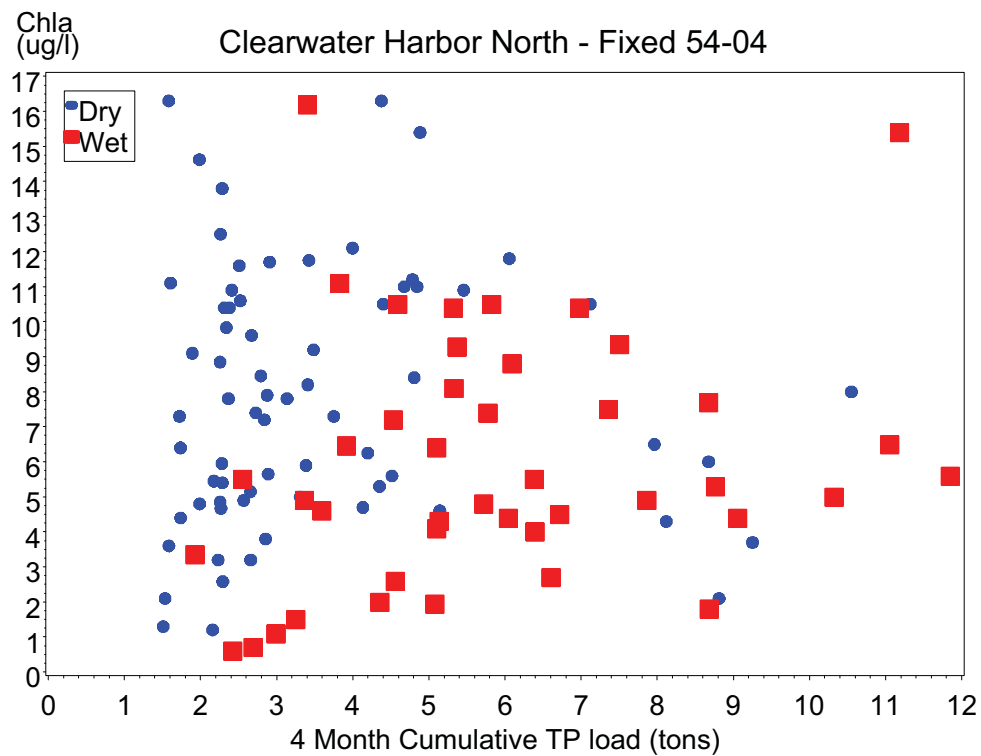


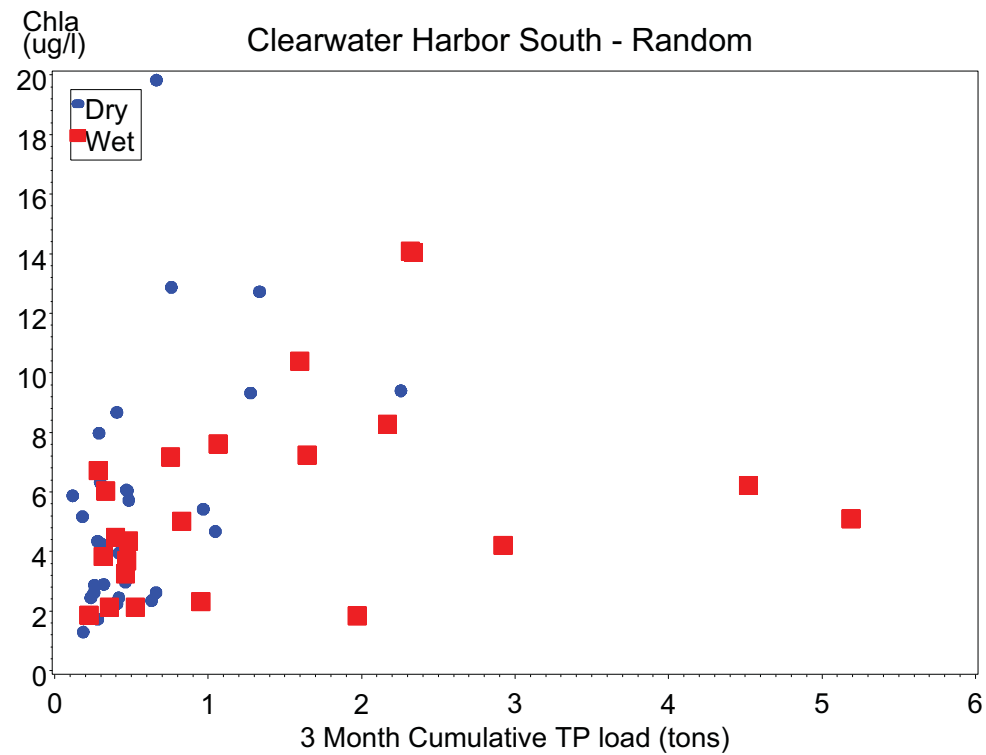
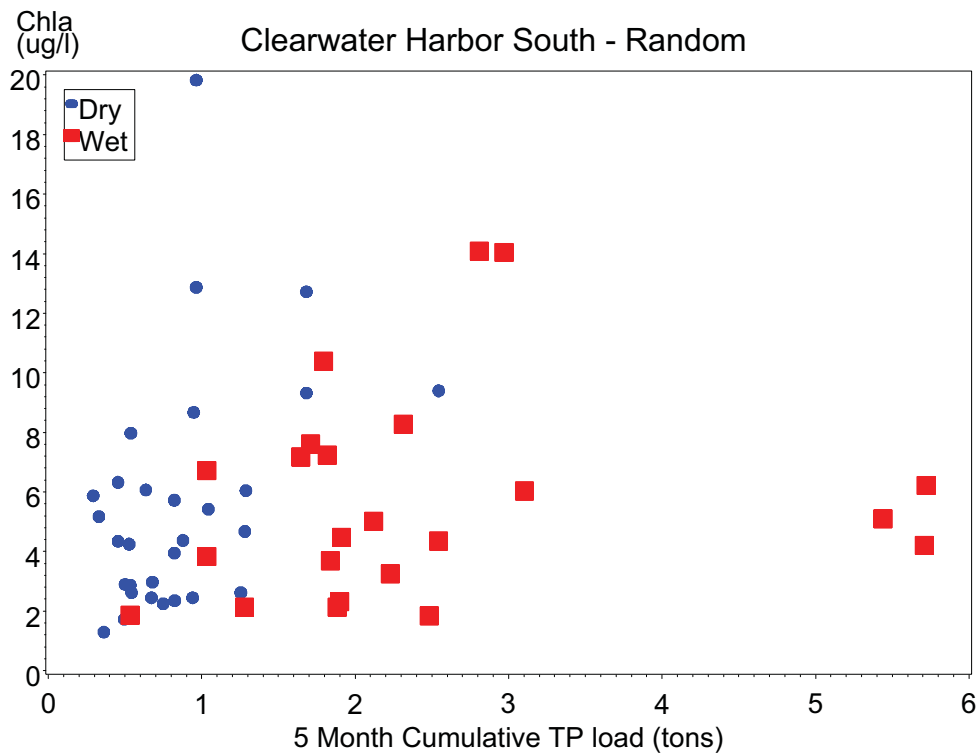
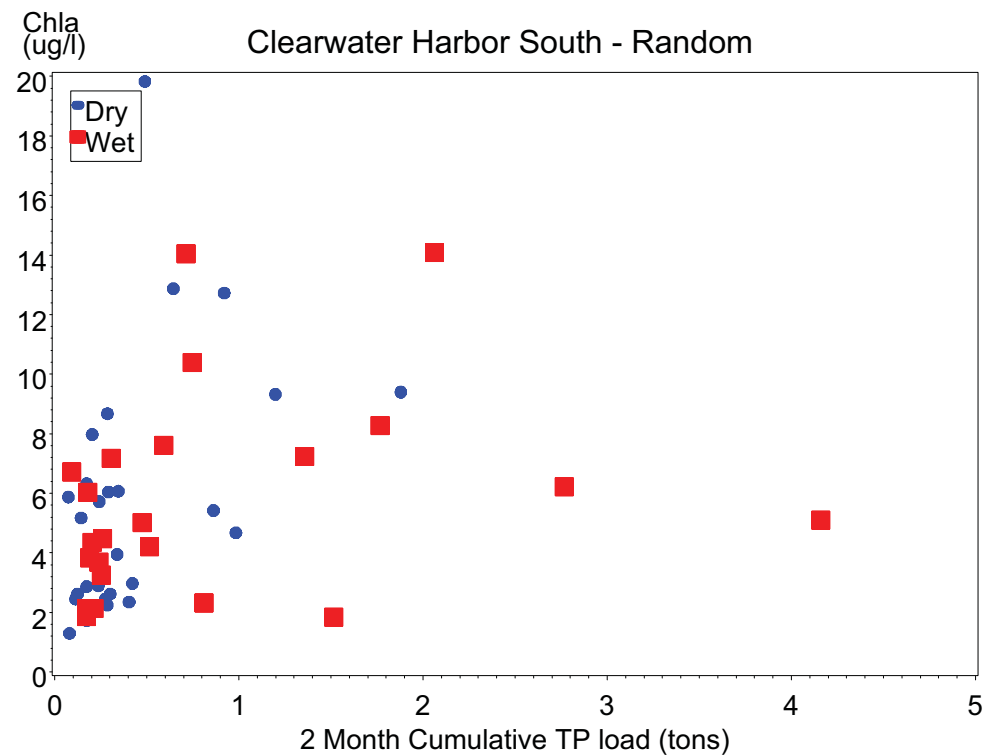
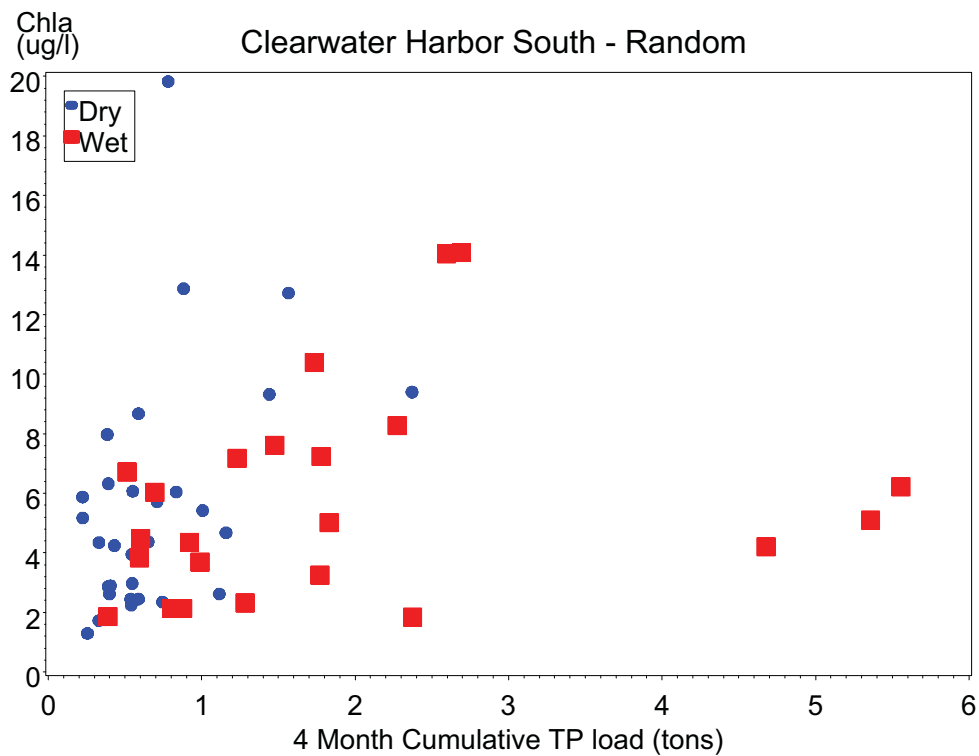


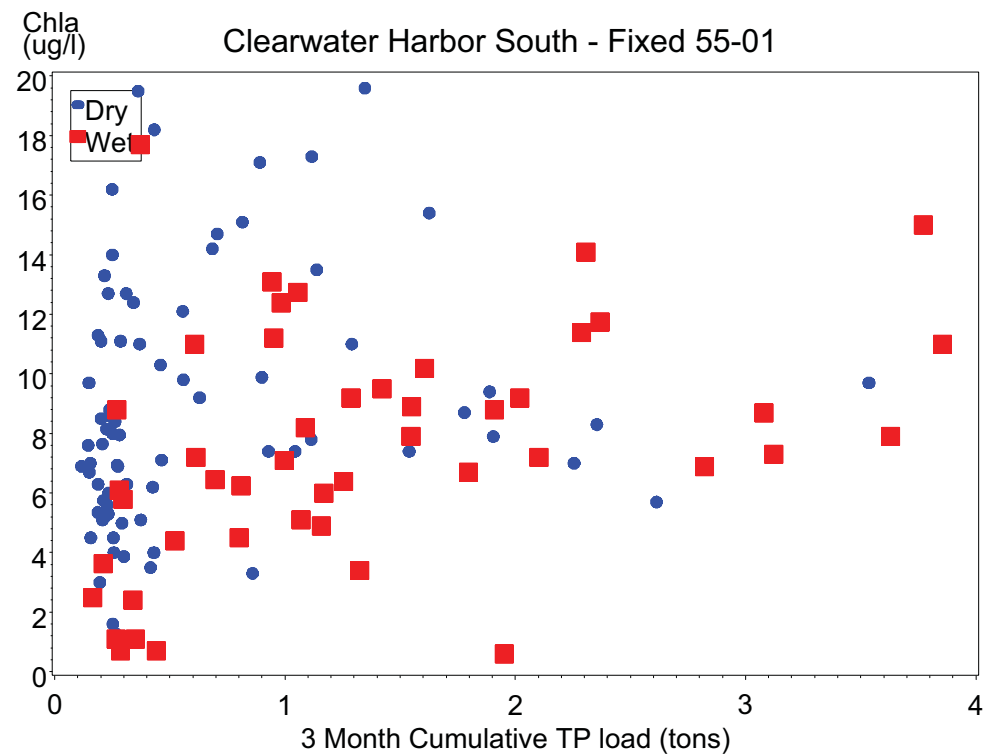
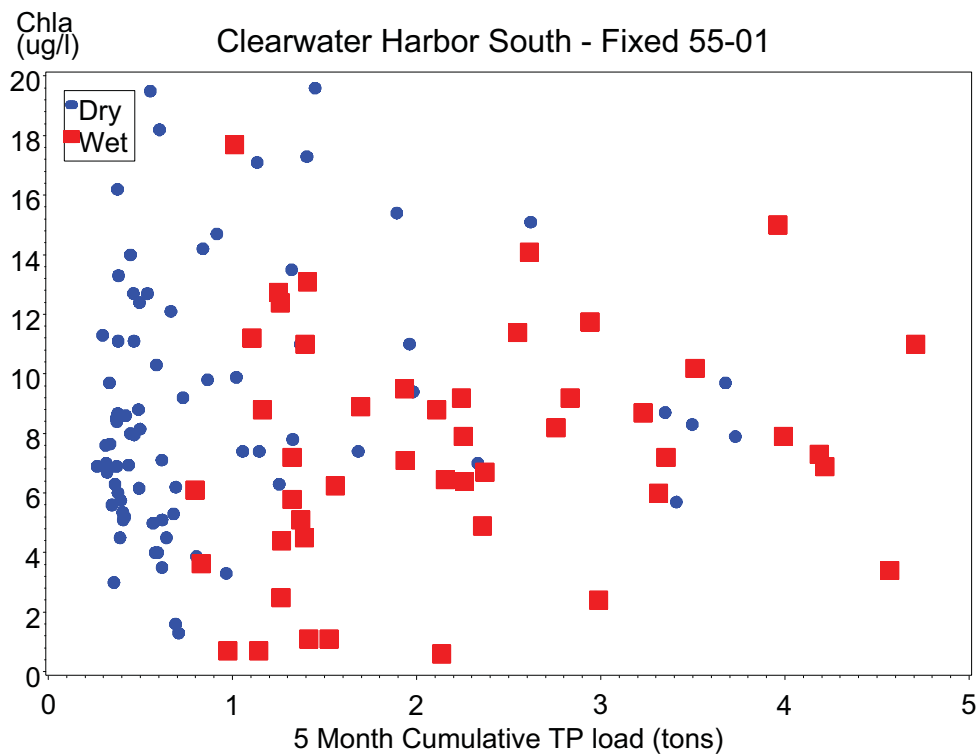
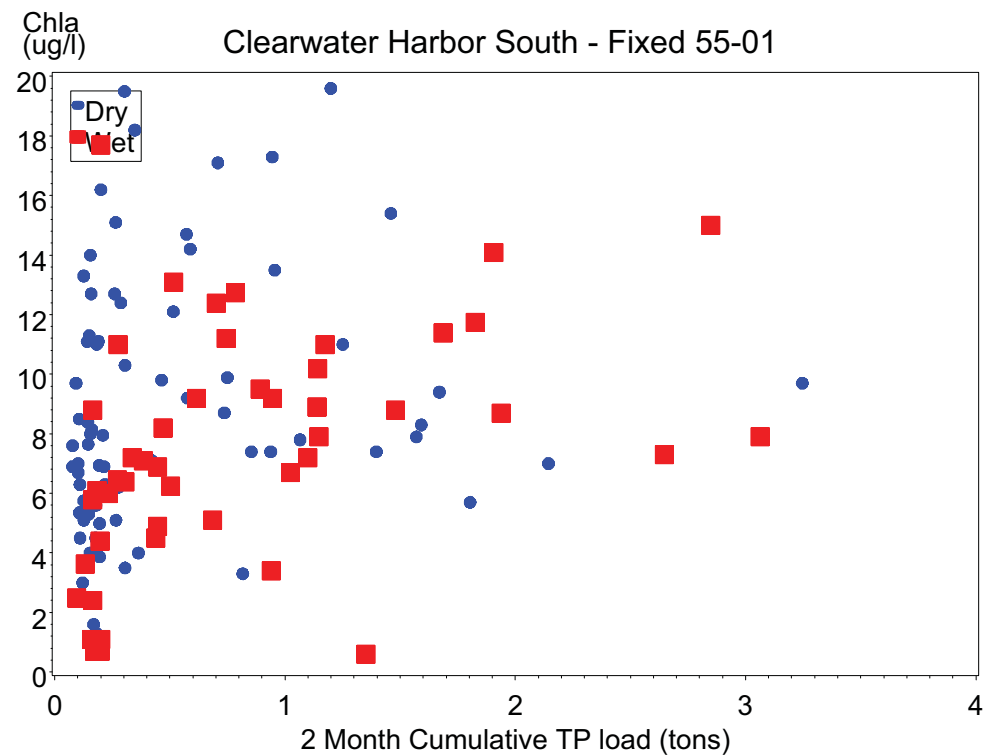
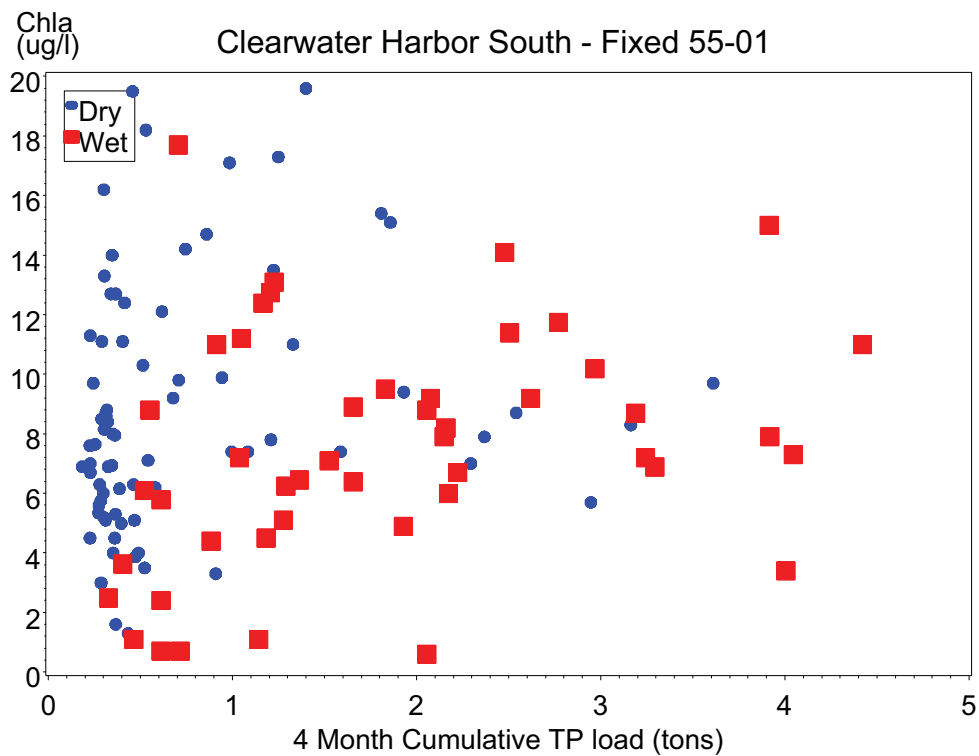


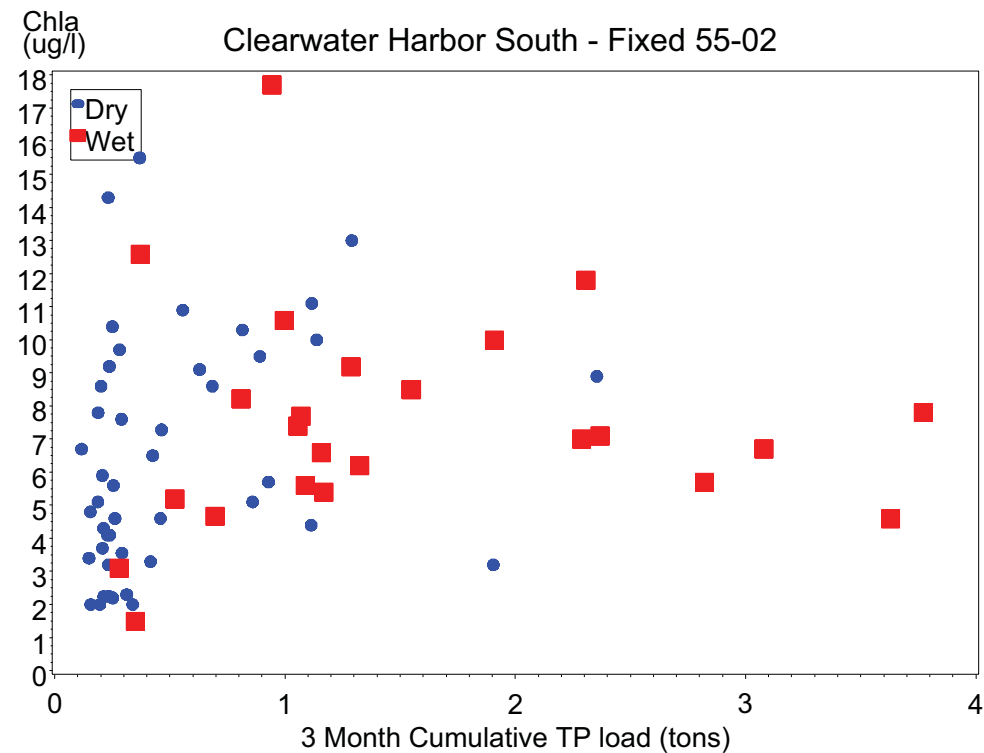
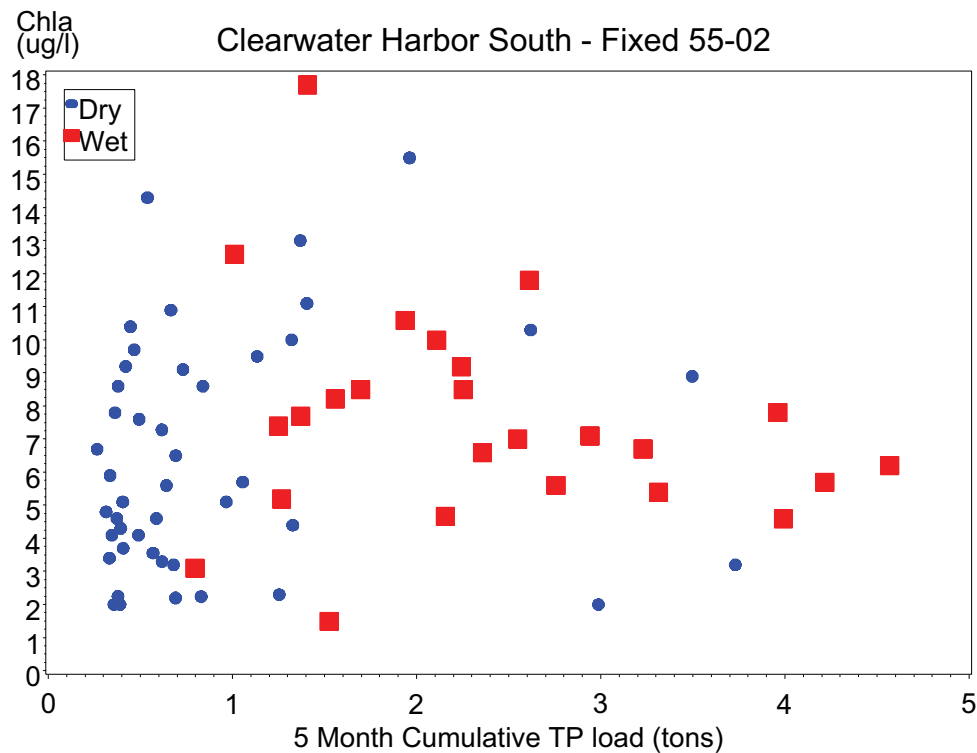
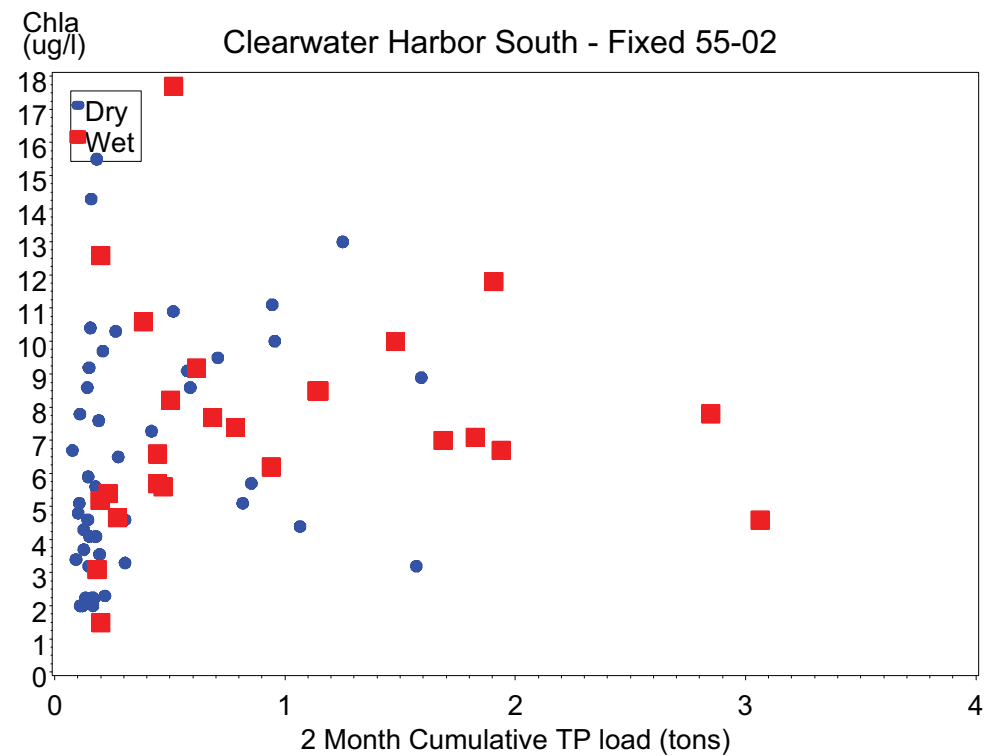
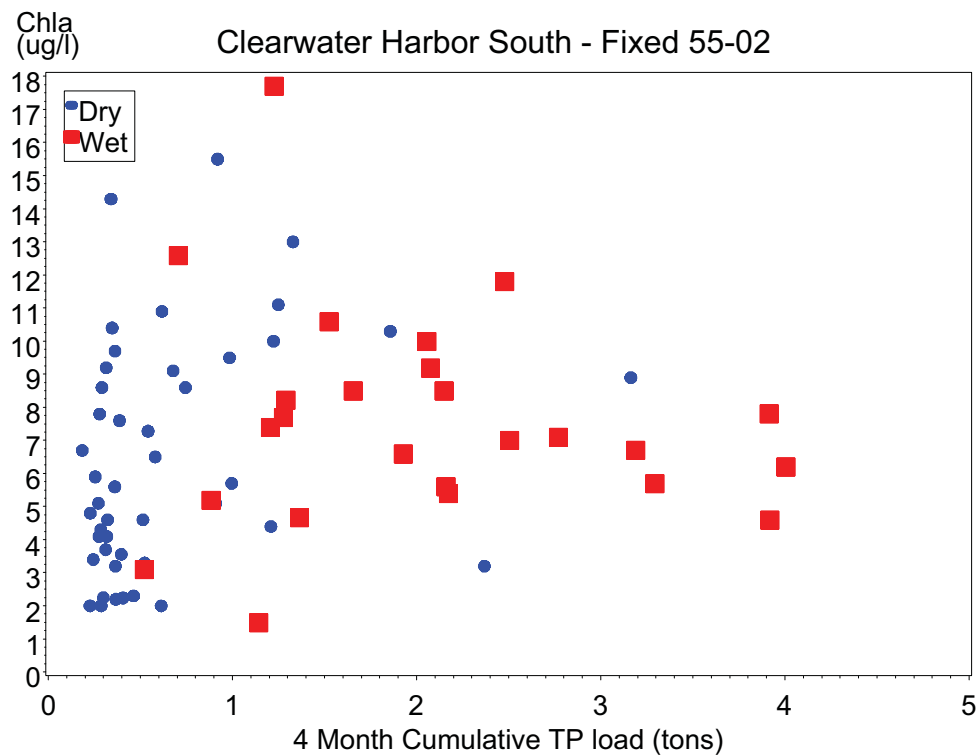


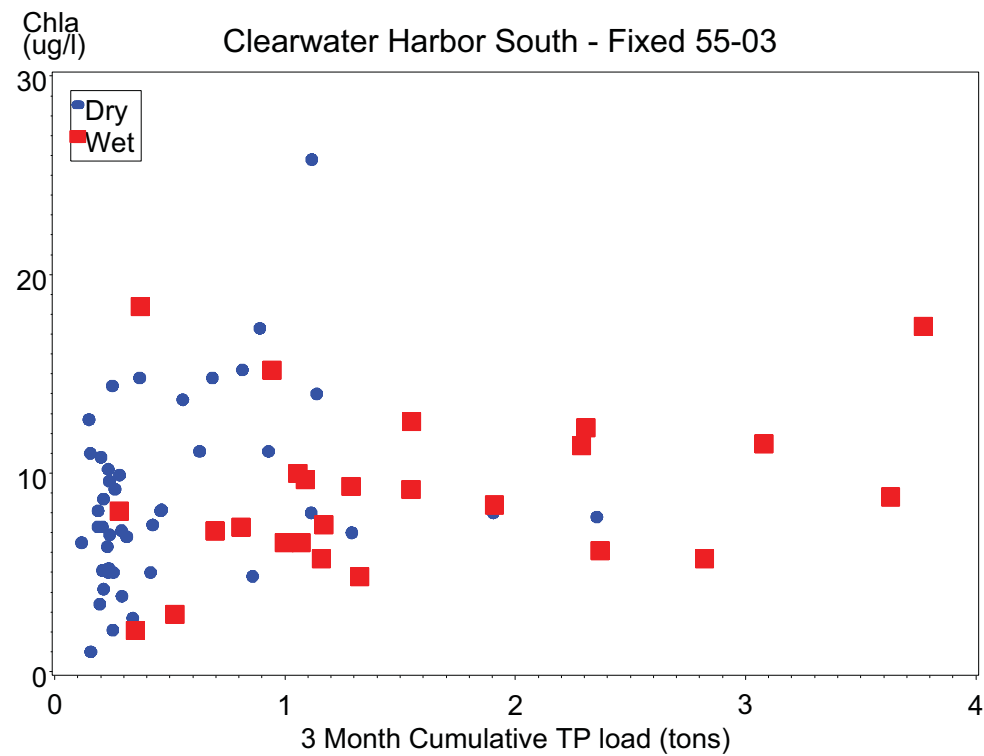
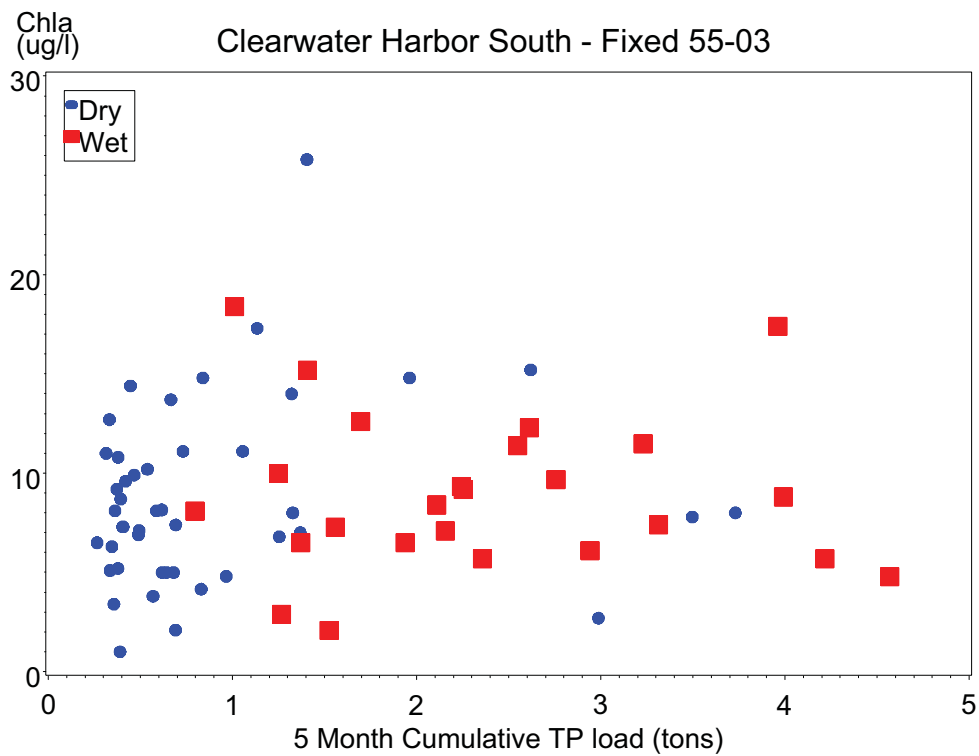
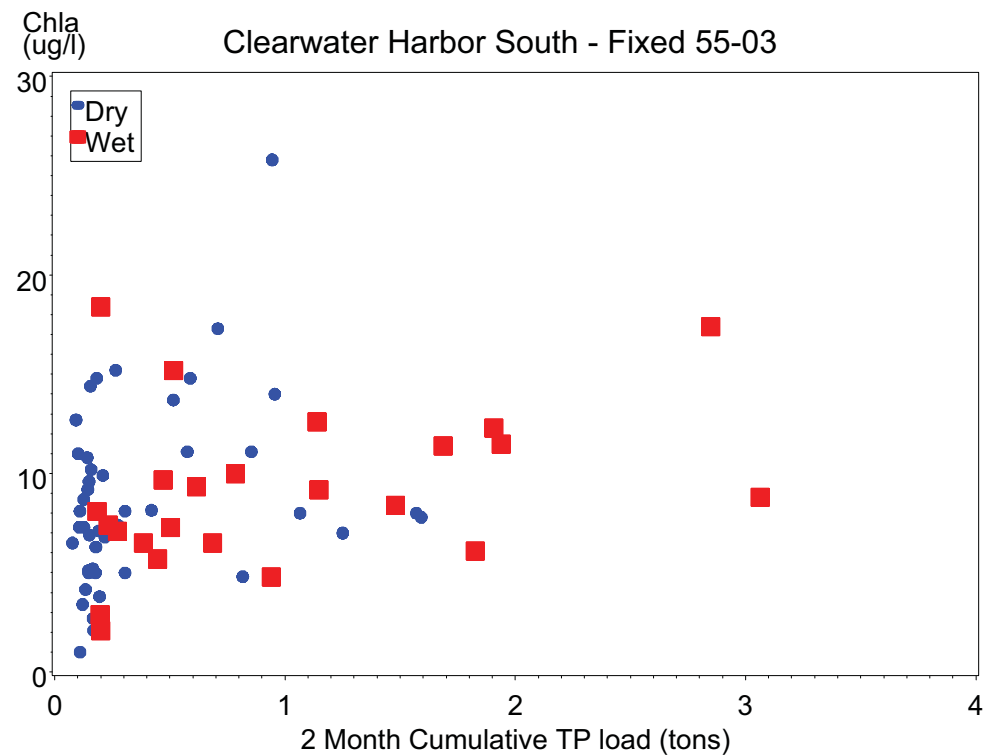
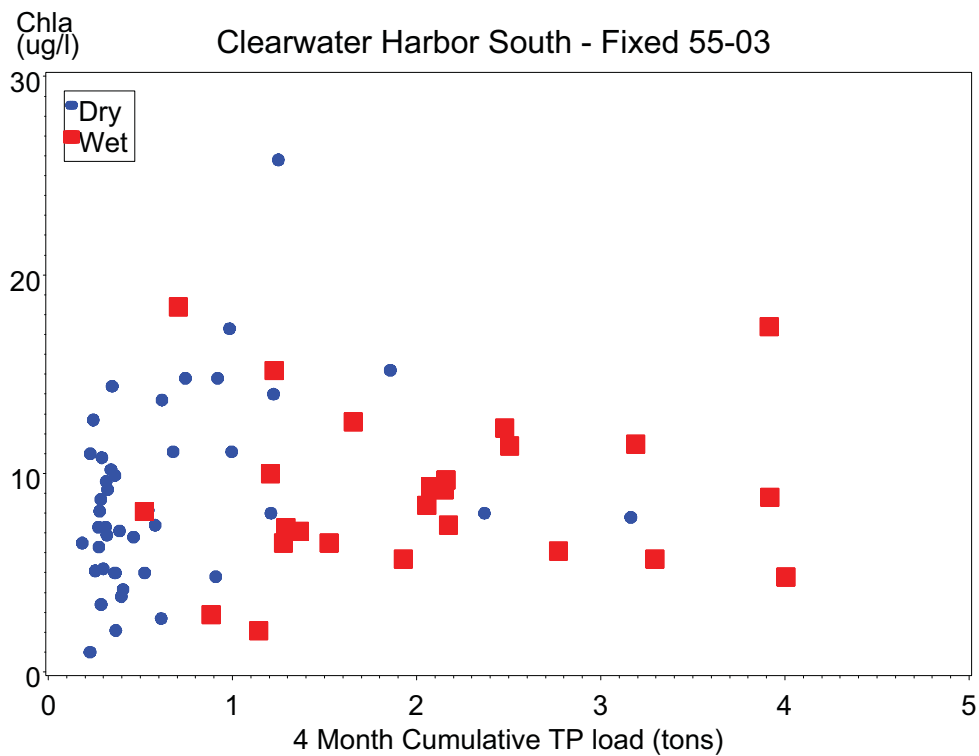


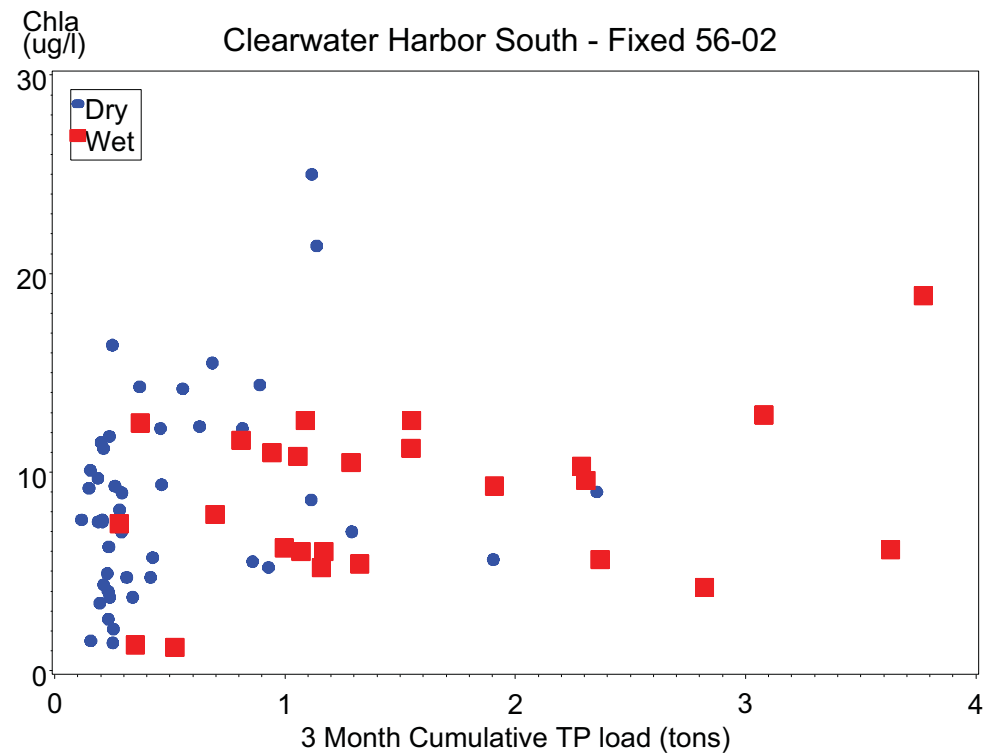
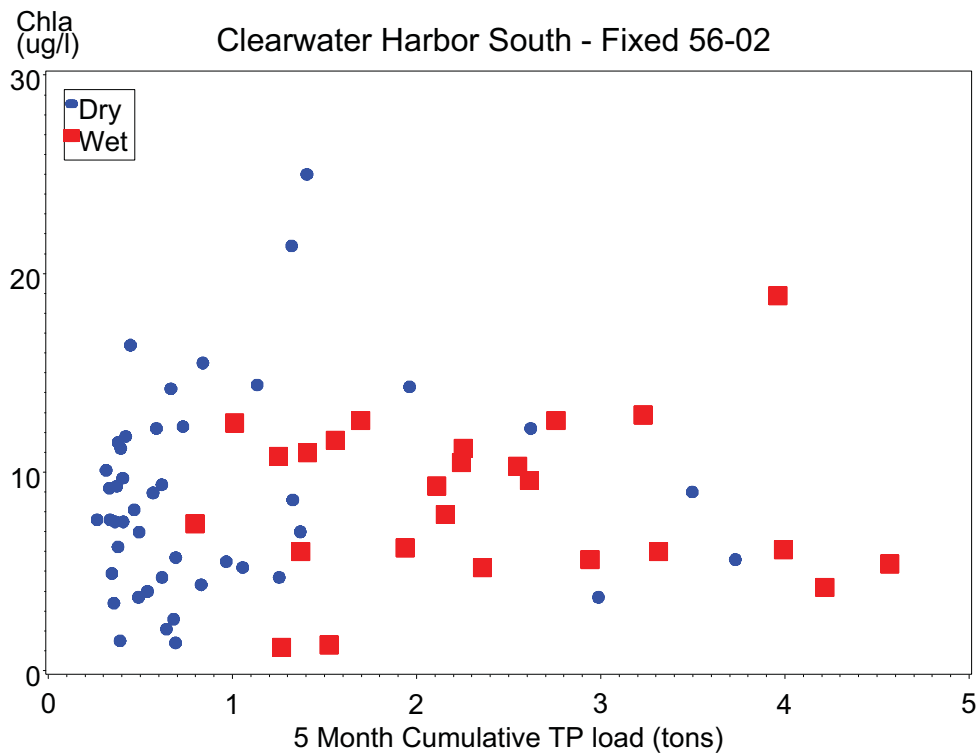
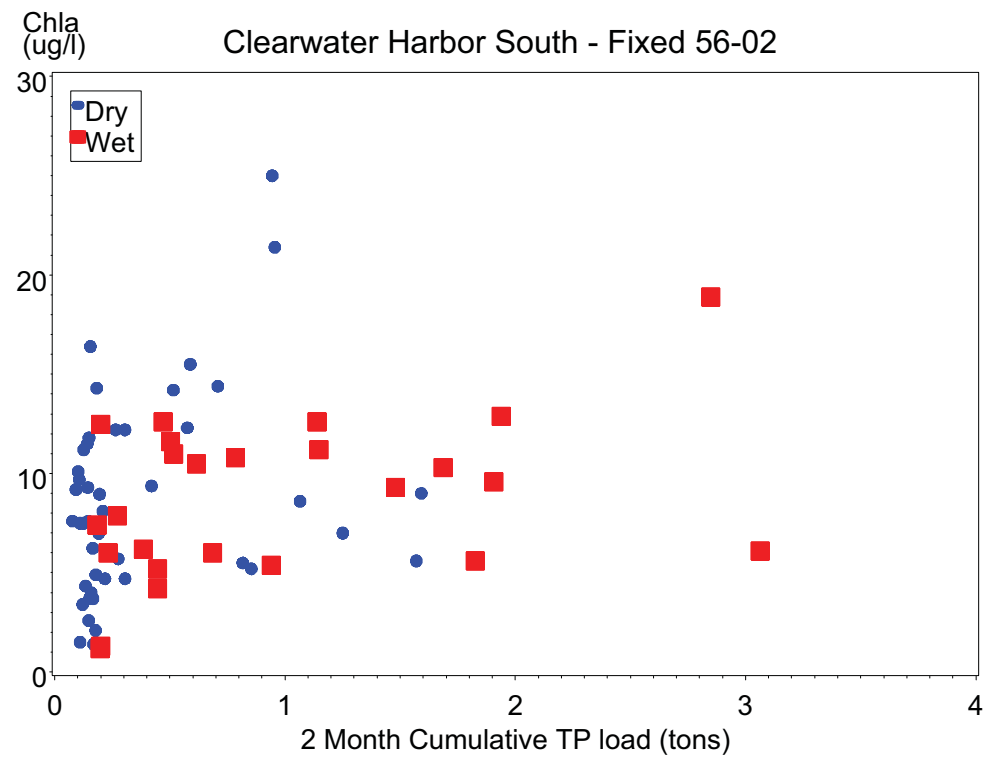
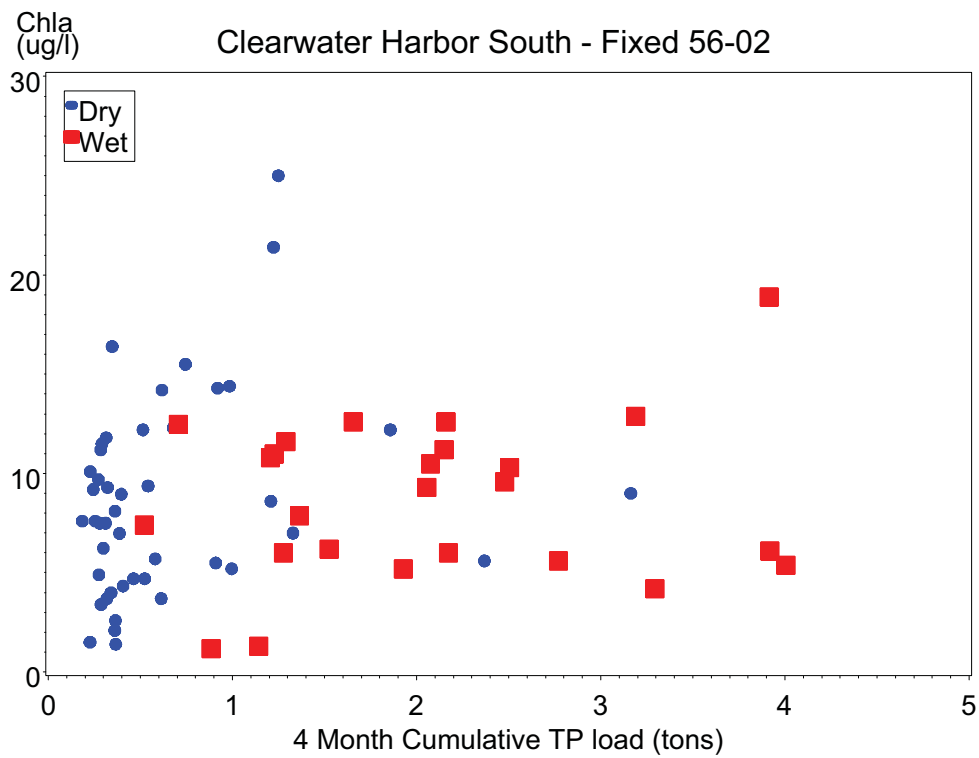


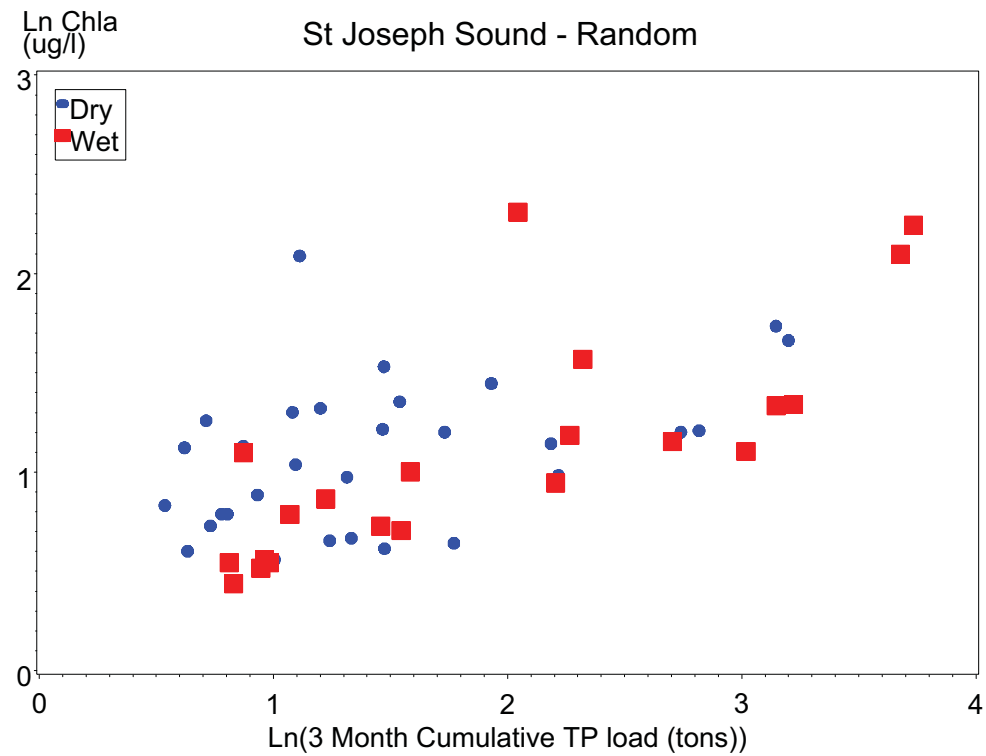
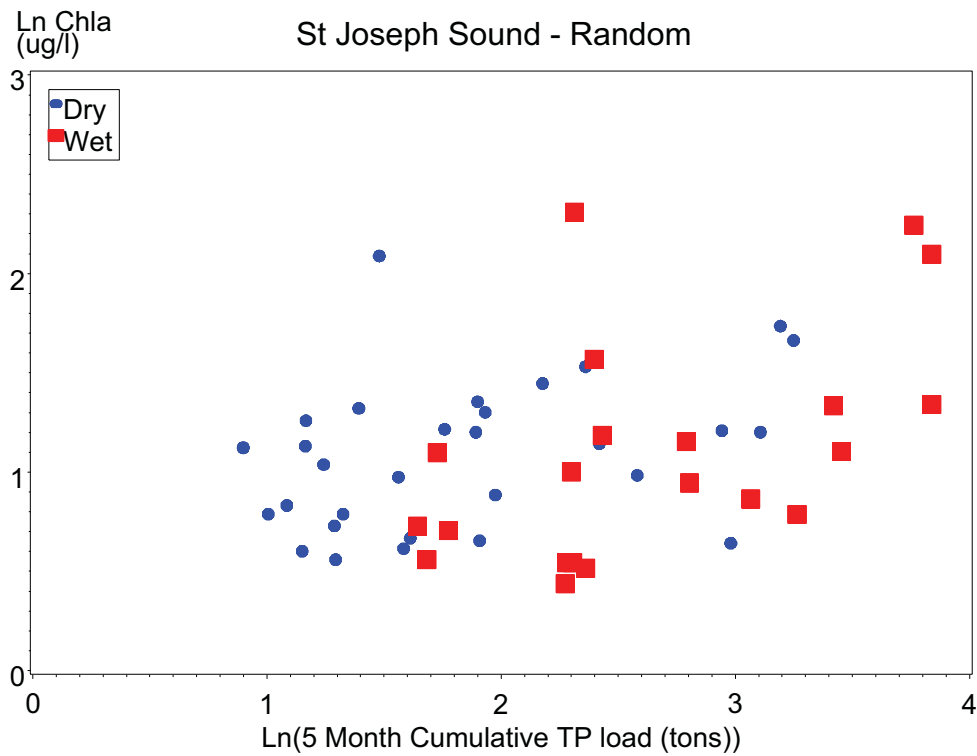
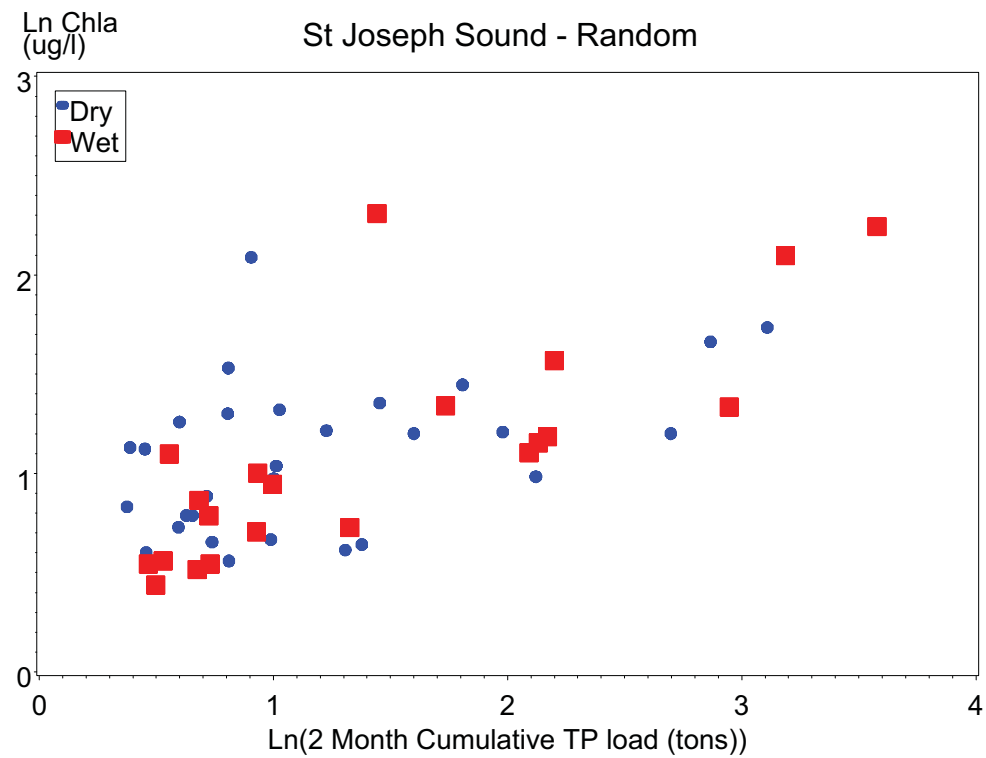
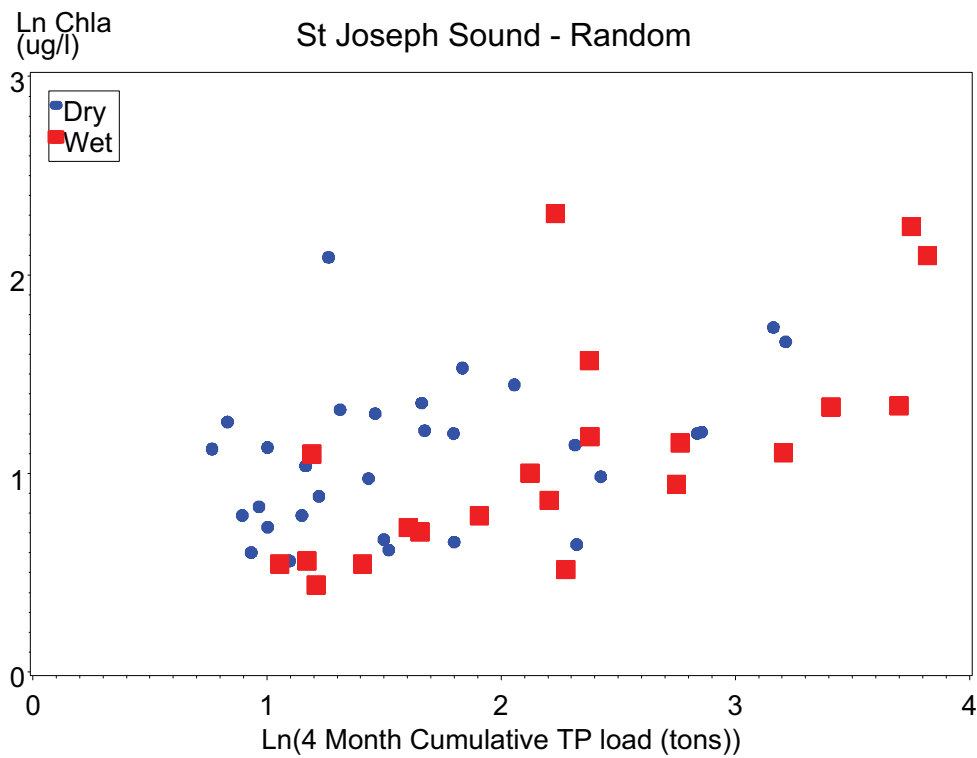


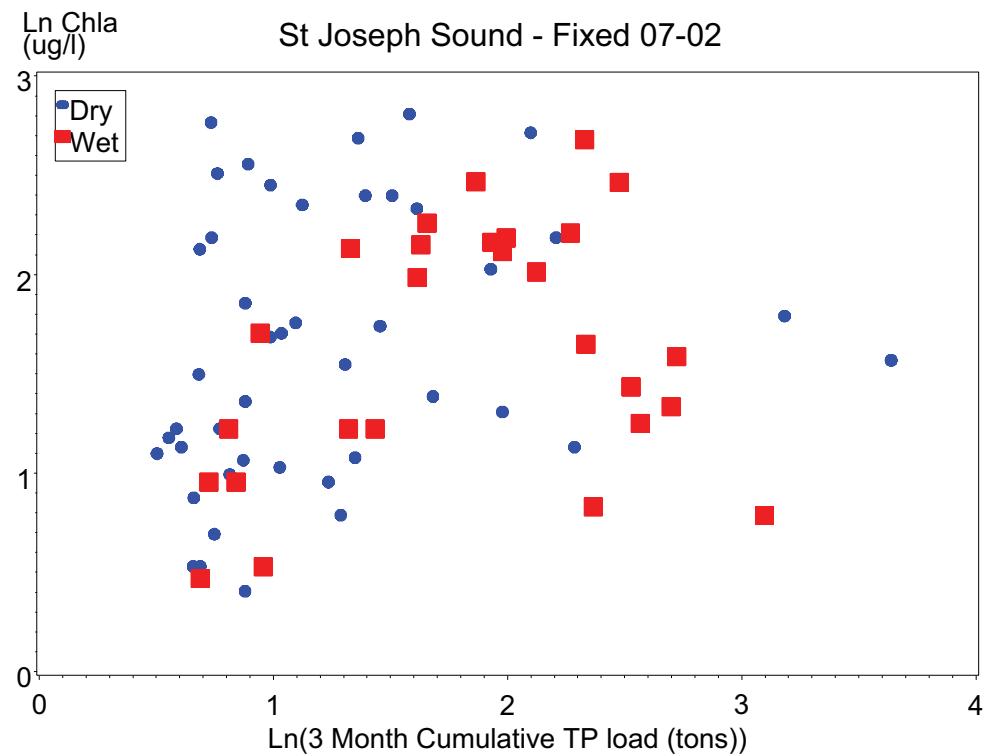
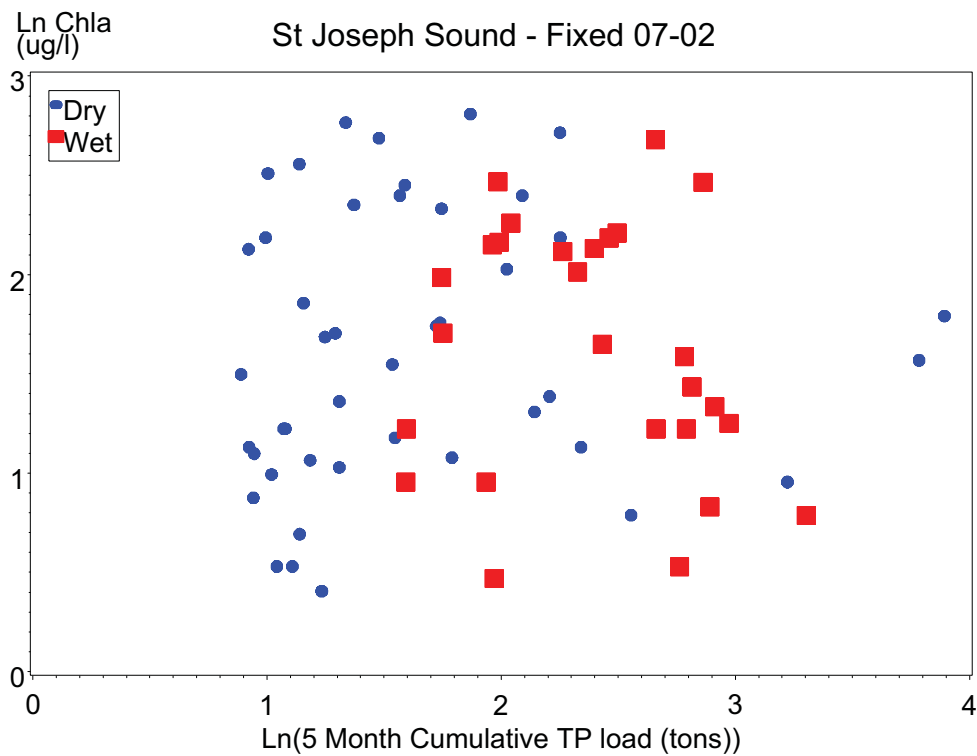
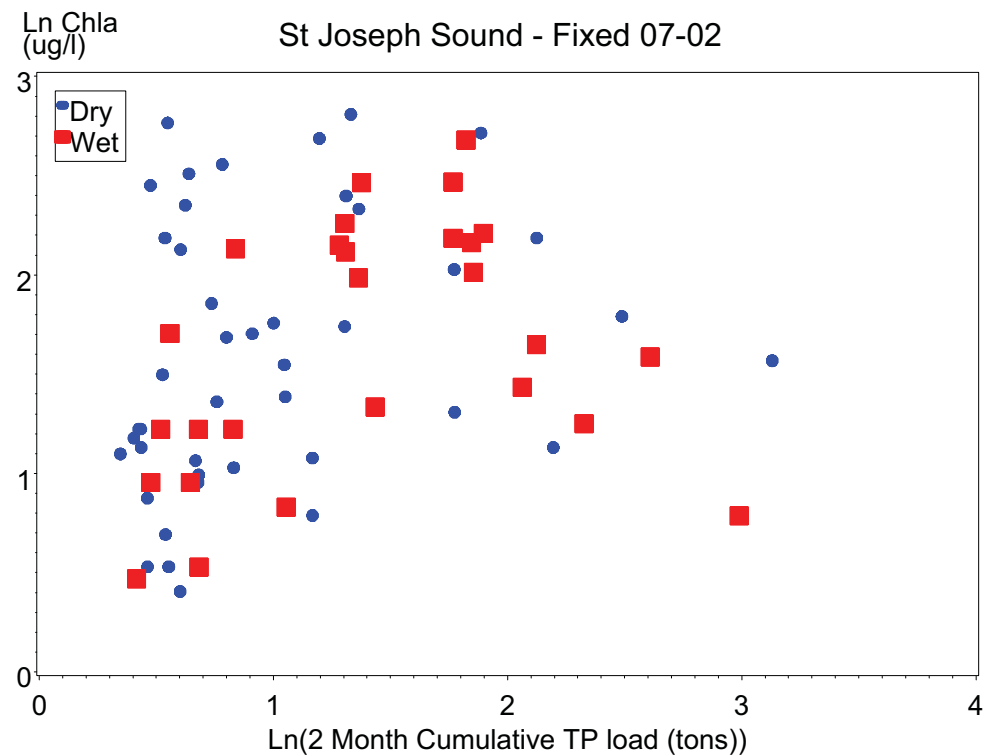
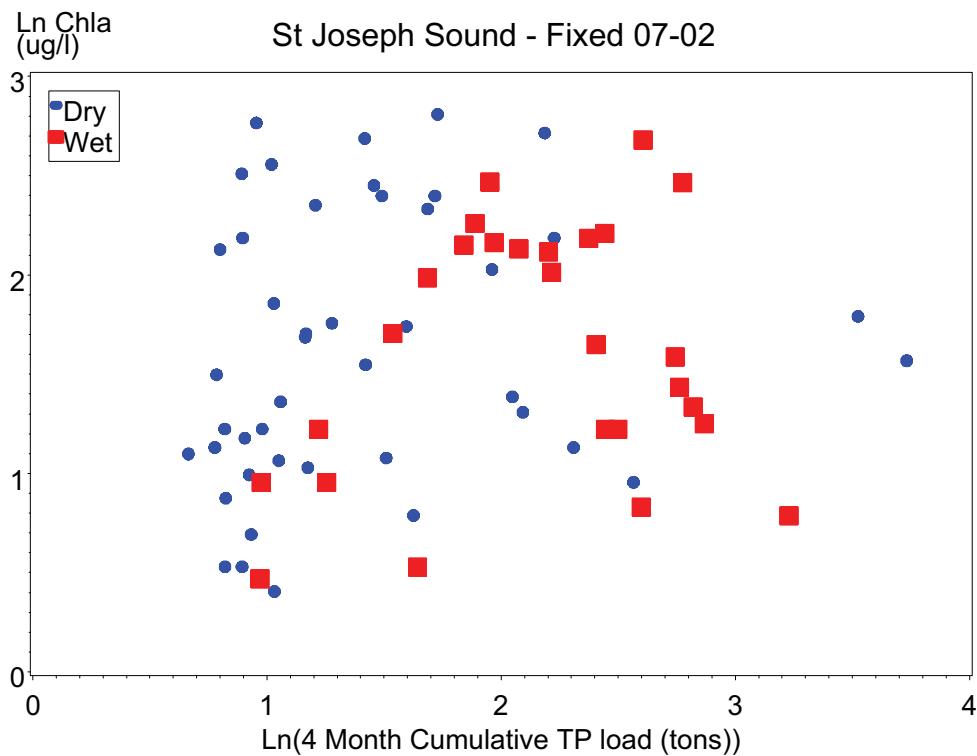


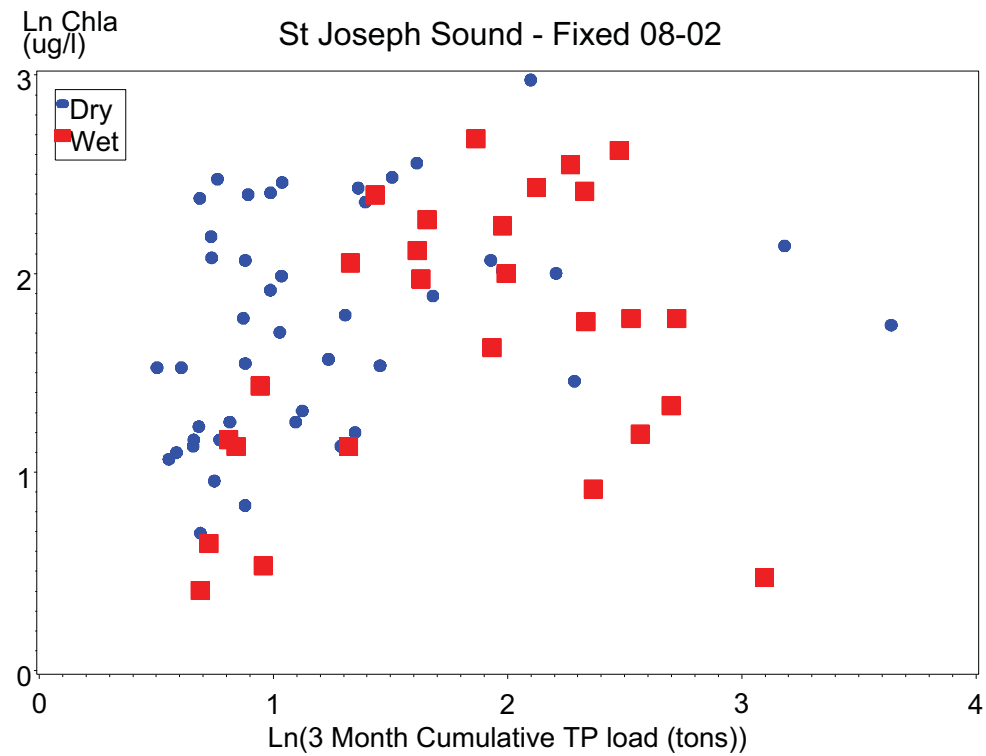
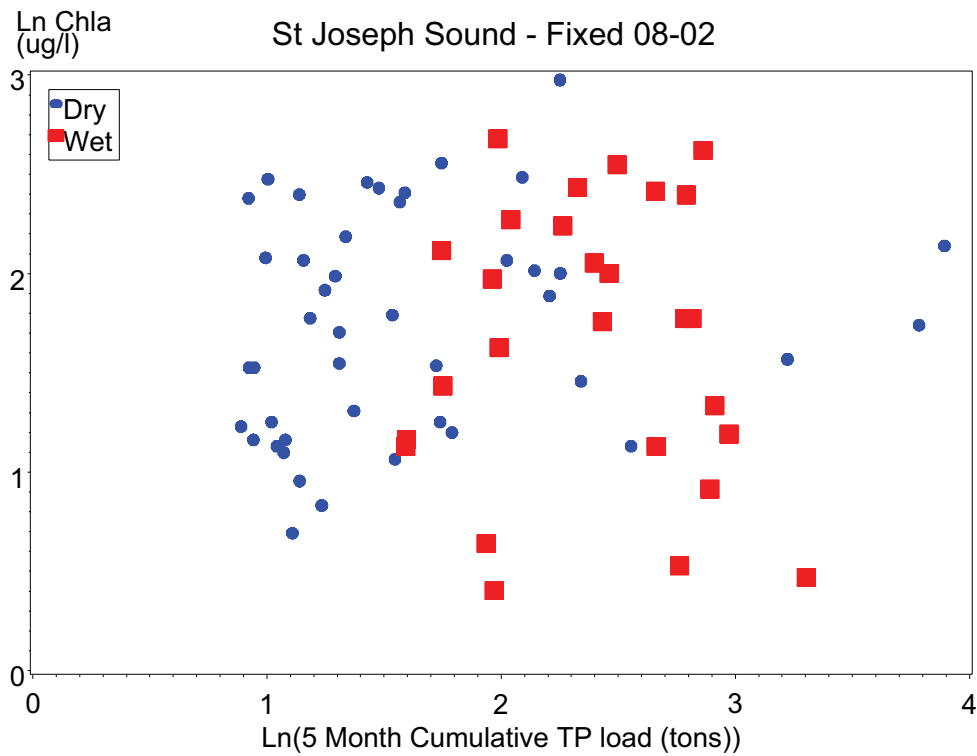
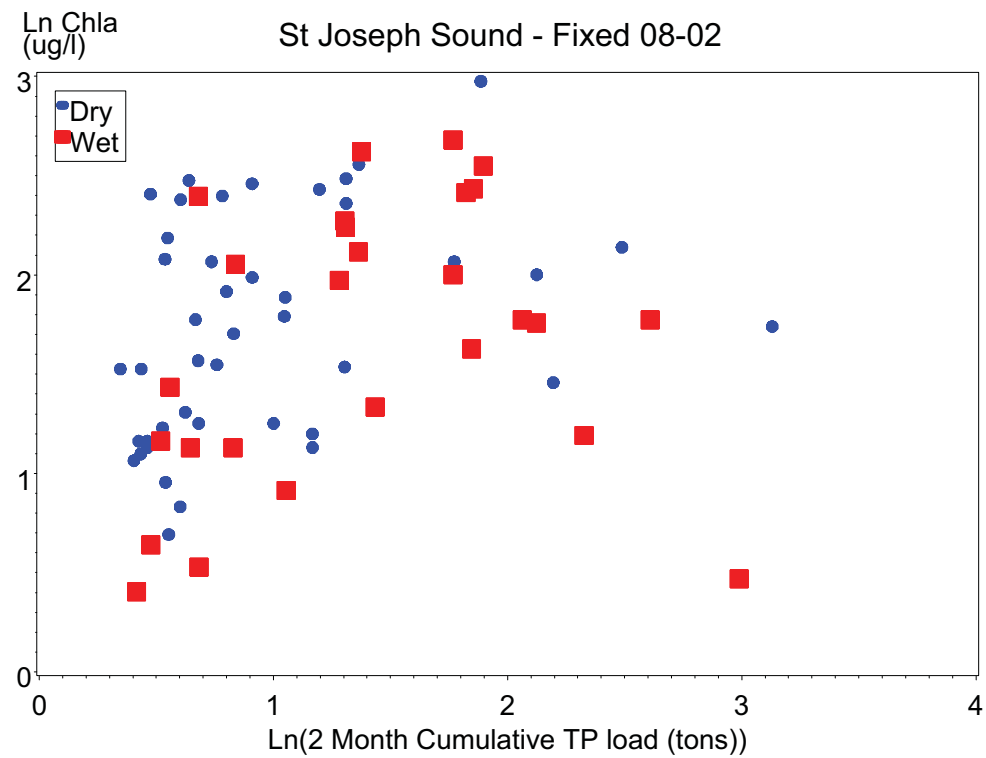
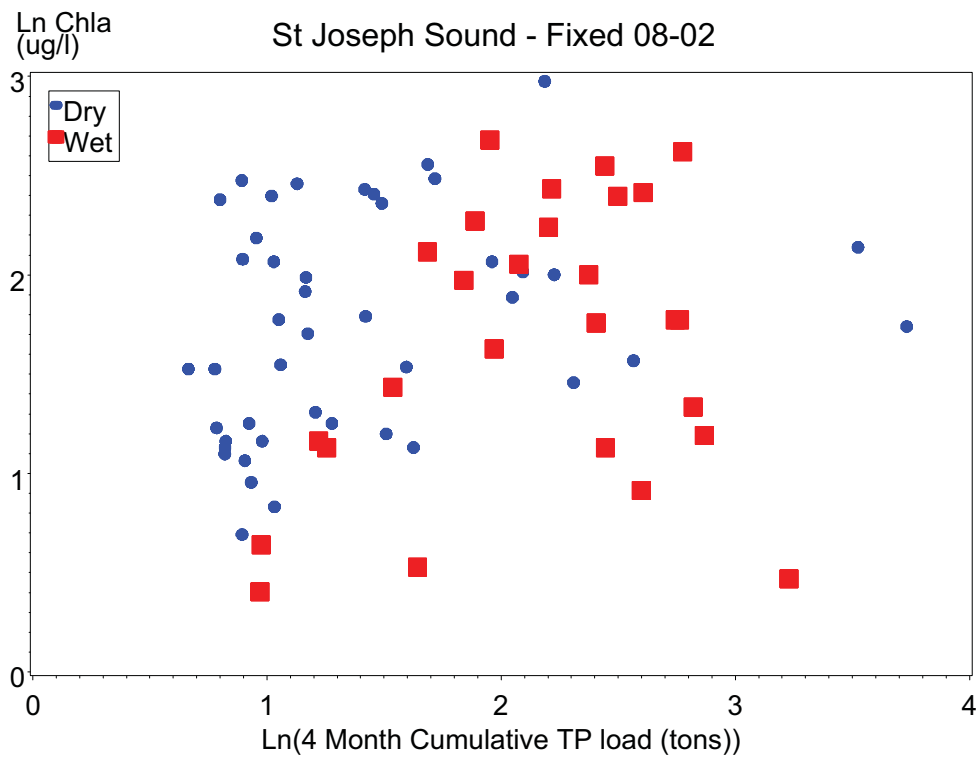


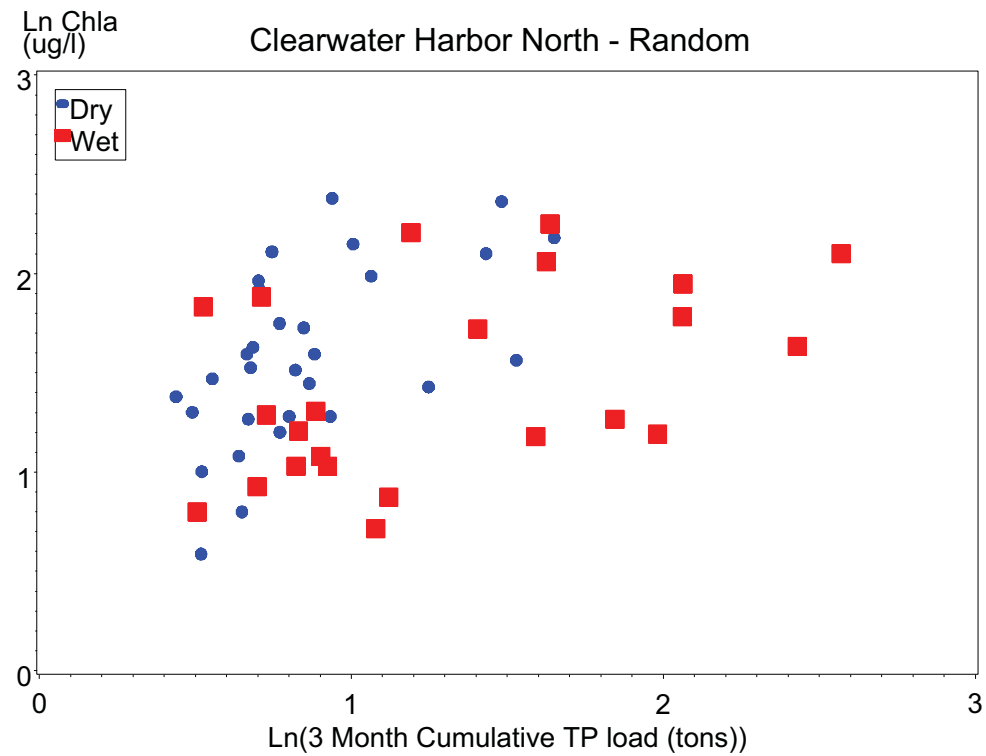
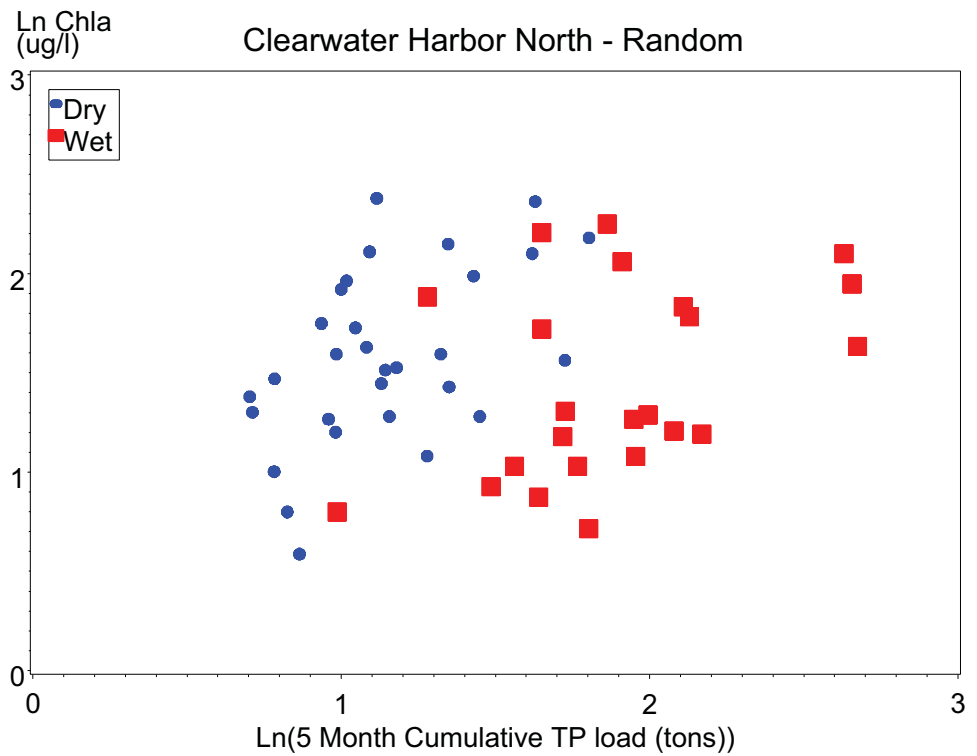
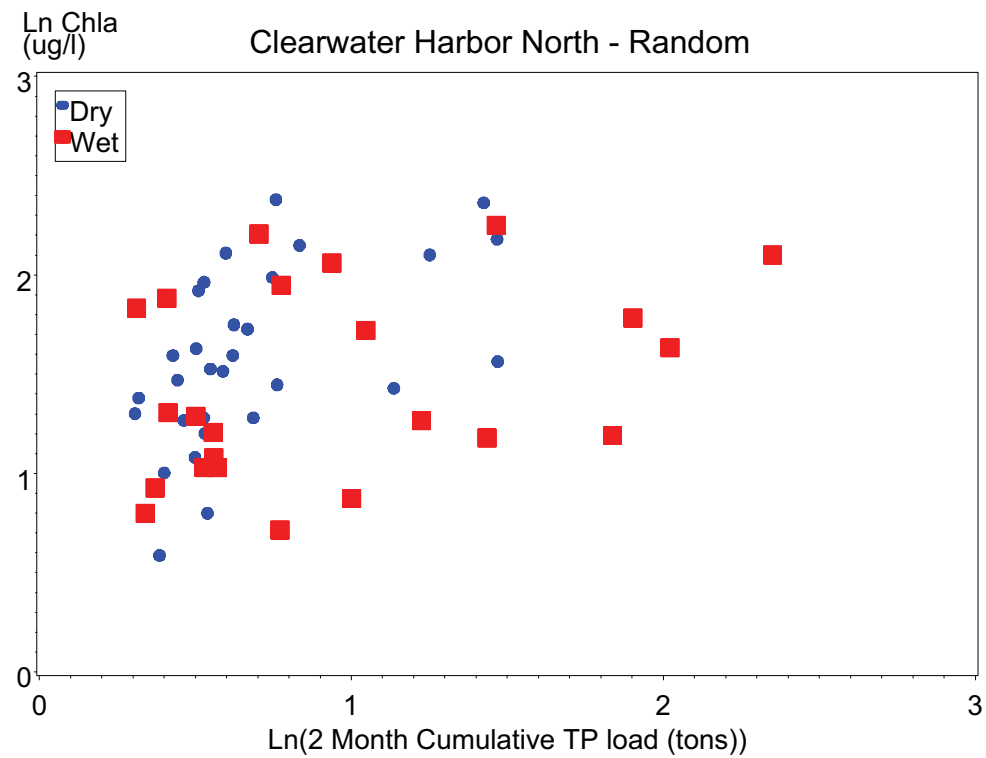
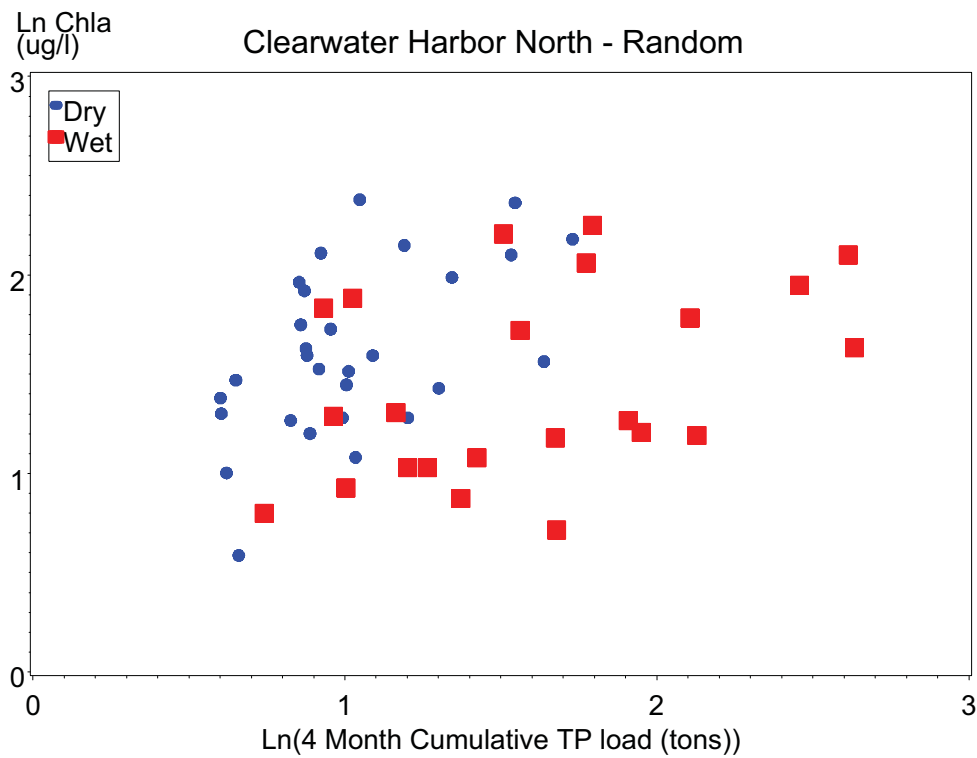


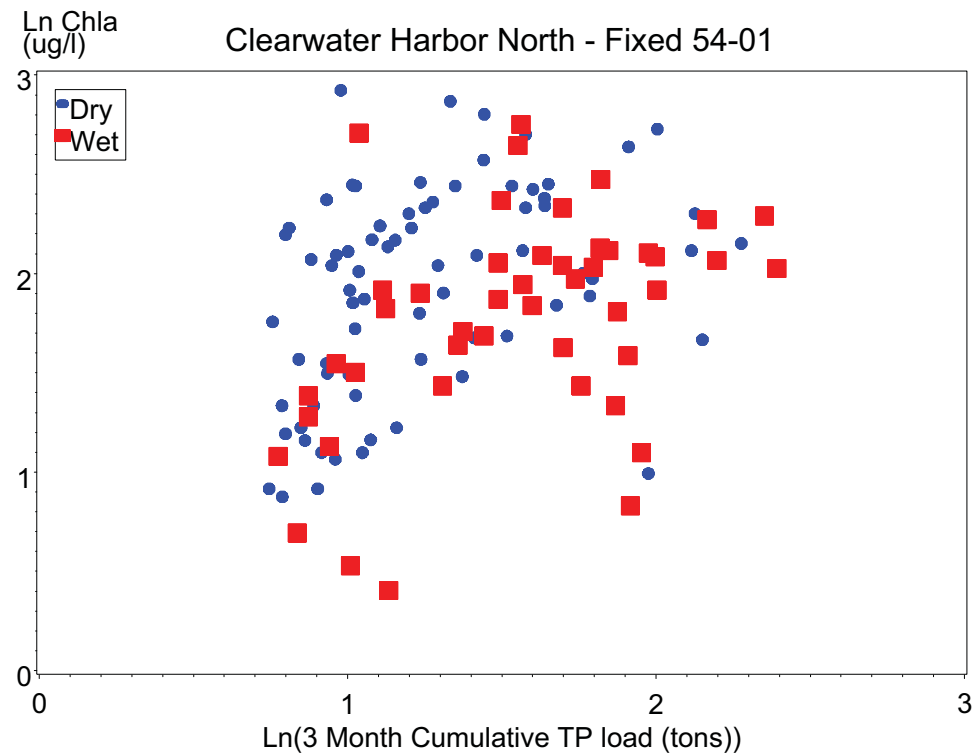
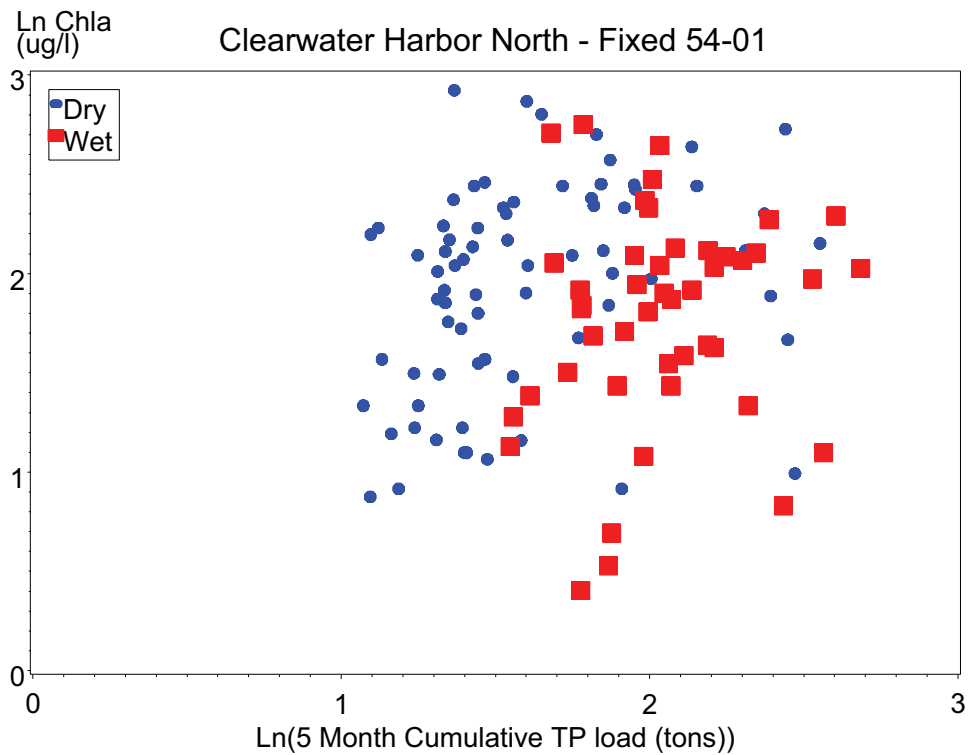
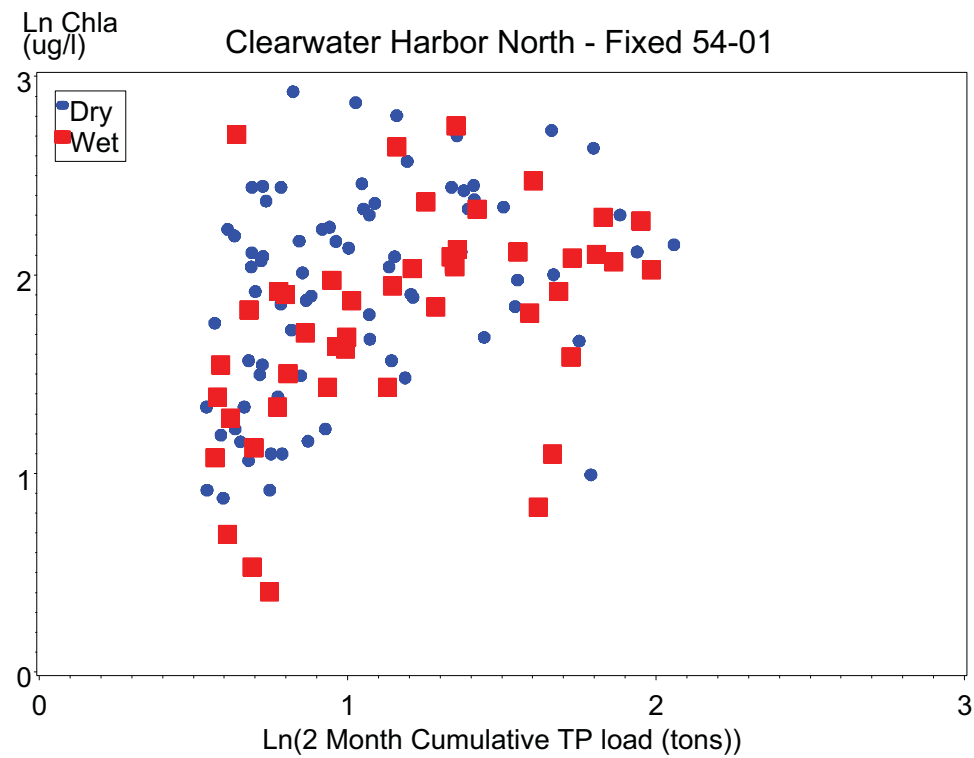
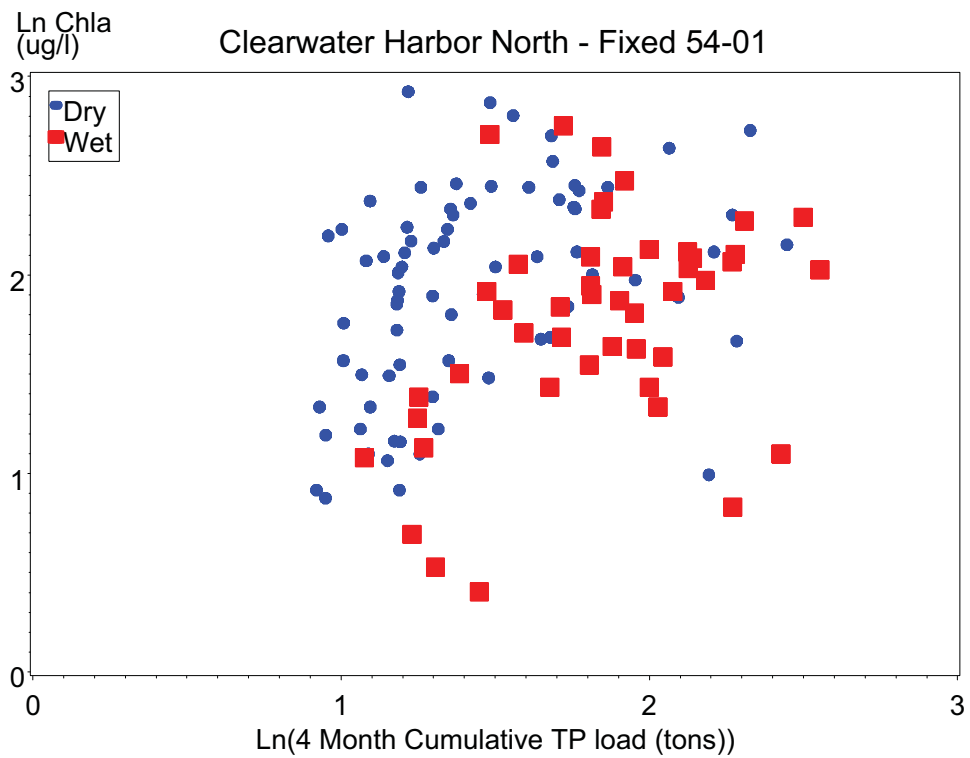




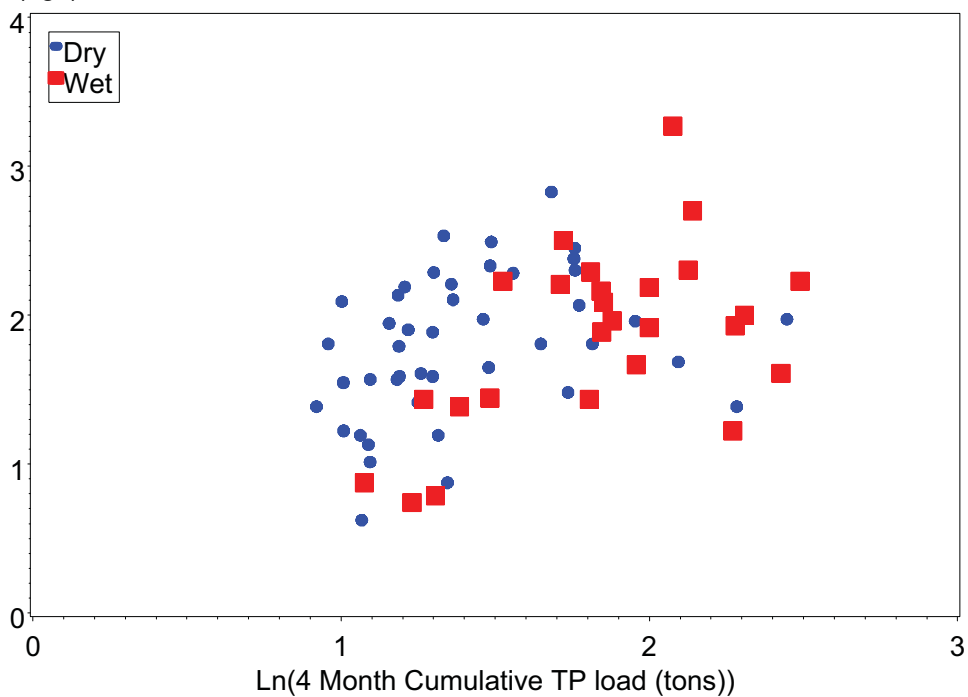




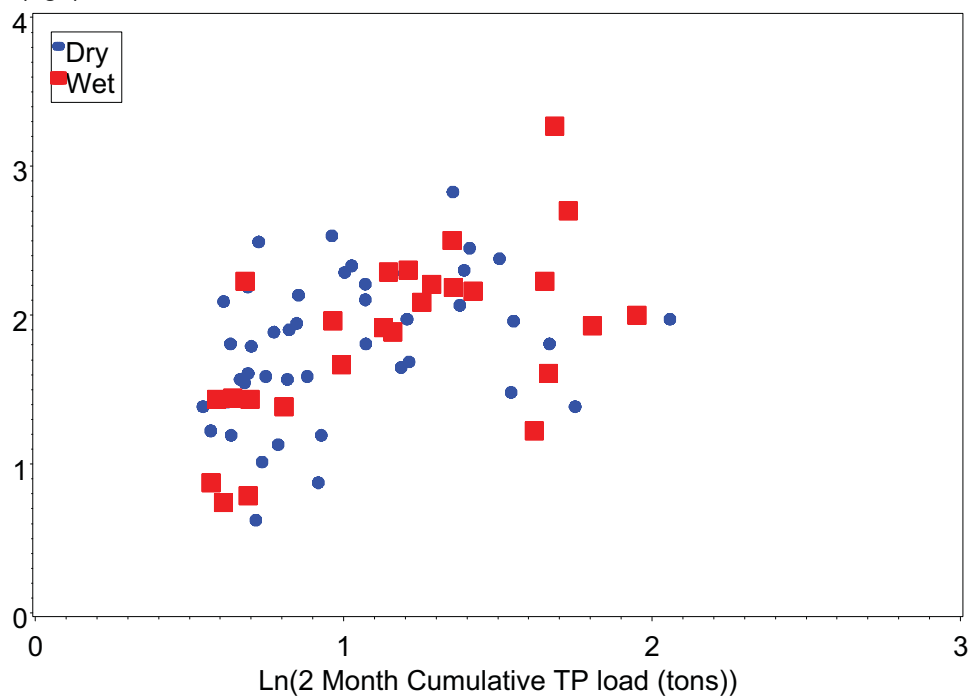




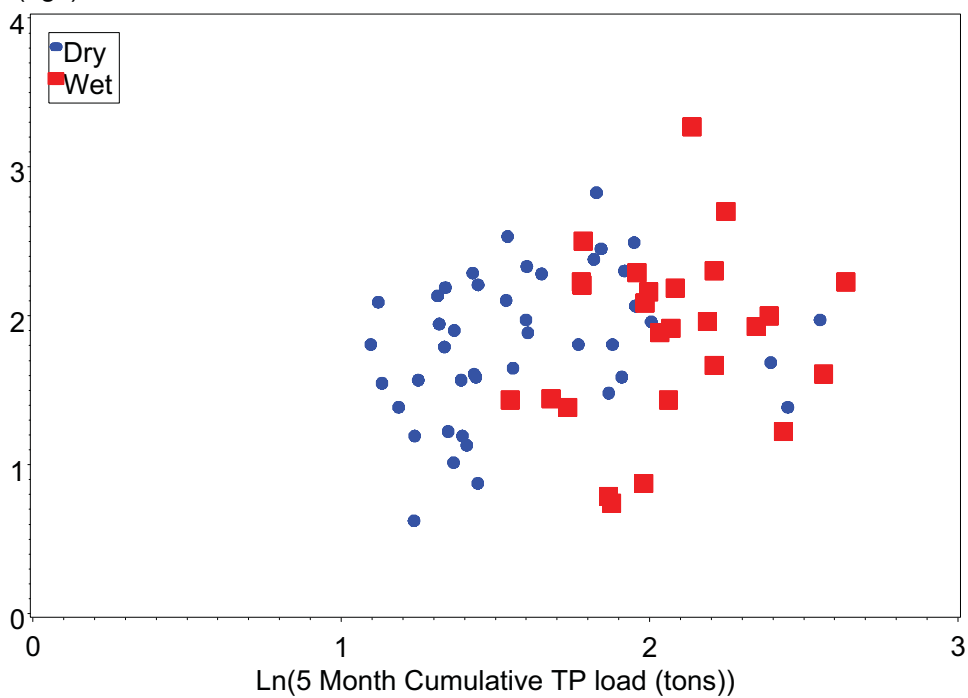
Ln Chla (ug/l) Clearwater Harbor North - Fixed 54-02



Ln Chla (ug/l) Clearwater Harbor North - Fixed 54-02



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Ln Chla (ug/l) Clearwater Harbor North - Fixed 54-02

