

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	0	0	0	0		0						1	4
	Min												1.8	1
	Mean												1.8	1.198
	Max												1.8	1.56
Camp Keais	N		0	0			0	0					1	8
	Min												1.11	1
	Mean												1.11	1.613
	Max												1.11	2.94
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	0	0	0	0	0		0	0	0	6	70	54	19
	Min										1.13	1.5	1	1
	Mean										1.767	5.15	2.344	3.637
	Max										2.63	12	5.81	9.86
Cocohatchee River	N	1	0	0	0				0	0	2	24	19	5
	Min	2.5									1.24	1	1	1
	Mean	2.5									1.59	4.547	1.421	2.492
	Max	2.5									1.94	5	3.43	4
Corkscrew Swamp	N									0	4	12		0
	Min										1	5		
	Mean										1.025	5		
	Max										1.1	5		
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					1	12
	Min												1.44	1
	Mean												1.44	1.828

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	4	4	2	4	4	2	3	4	4	4	4	4	3
	Min	1	1	1.7	0.97	0.7	1.3	1.41	0.58	0.82	1.06	1	1	1.065
	Mean	1.483	1.55	1.7	1.793	1.848	1.435	1.657	1.09	0.91	1.263	1	1.08	2.427
	Max	2.93	2	1.7	2.9	3.8	1.57	1.89	1.66	1.14	1.34	1	1.27	5
Camp Keais	N	8	8	4	8	7	7	7	9	11	9	5	8	5
	Min	1	1	1	0.69	1.1	0.82	0.96	0.7	0.54	0.44	1	1	1
	Mean	1.365	1.753	2.05	1.958	2.031	1.766	1.699	1.737	1.025	1.354	2.732	1.105	3.671
	Max	3.13	2.66	2.5	2.9	3.8	3.34	3.14	5.07	1.51	2.43	7.35	1.75	5.905
Cocohatchee GC Disch	N								1	4	4	3	4	3
	Min								1.01	0.89	0.67	1	1	1
	Mean								1.01	1.273	1.143	1.32	1.588	2.412
	Max								1.01	1.52	1.37	1.96	2.8	5
Cocohatchee Inland	N	22	21	22	26	23	22	27	29	36	36	36	36	27
	Min	1	1	1.44	1	0.23	0.95	1.24	1.25	0.88	0.84	1	1	1
	Mean	2.947	3.05	5.145	4.275	3.575	3.821	3.784	4.238	2.937	3.465	3.326	3.189	3.813
	Max	7.11	10.5	16.7	11.6	8.46	11.7	13.06	28.31	8.89	10.21	10	8.4	9.765
Cocohatchee River	N	8	8	8	8	7	8	8	7	4	4	4	4	3
	Min	1	2	1.81	2.52	2.13	3.8	3.03	5.46	2.81	2.47	3.23	1	4
	Mean	1.844	2.693	9.635	8.451	4.561	9.404	6.913	14.77	6.603	8.26	7.185	1.86	6.85
	Max	2.67	3.52	22.7	31.6	7.17	22.66	11.95	36.68	9.87	16.86	12.5	2.92	11.55
Corkscrew Swamp	N	4	4	4	4	4	2	2	1	5	3	3	2	3
	Min	1	1	1	1	0.75	0.75	0.51	0.83	0.43	0.31	1	1	1
	Mean	1	1	1	1.05	0.973	1.29	0.54	0.83	0.808	0.657	1.14	1	1
	Max	1	1	1	1.2	1.52	1.83	0.57	0.83	1.37	0.94	1.42	1	1
Cow Slough	N		10	4	5	7	4	7	7	4	3	1	2	1
	Min		1	1.4	0.87	1	0.23	0.75	0.41	1.13	0.78	1.71	1.07	1.99
	Mean		1.863	1.975	1.782	1.741	1.62	1.617	1.246	1.25	1.2	1.71	1.22	1.99
	Max		2.41	2.5	2.9	3.8	2.3	4.58	1.74	1.38	1.51	1.71	1.37	1.99
Faka Union North	N	12	12	6	12	11	9	12	12	12	12	12	12	9
	Min	1	1	1	1	0.91	0.82	0.48	0.38	0.52	0.5	1	1	1.13
	Mean	1.21	1.928	2.367	2.226	2.242	1.659	1.46	1.248	1.188	1.26	1.618	1.288	2.768

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max												1.44	3.43
Faka Union South	N	0	0	0	0		0	0	0	0	0		4	20
	Min												1.08	1
	Mean												1.845	2.501
	Max												3.11	18.2
Fakahatchee Strand	N	0	0	0	0	0	0	0	0	0	0		0	13
	Min													1
	Mean													1.448
	Max													3.7
Golden Gate	N	0	0	0	0			0	0	0	6	54	35	16
	Min										1	1	1	1
	Mean										1.133	4.567	1.451	2.252
	Max										1.7	6	4.8	4.28
Gordon Marine	N	0			0						3	36	27	9
	Min										1	1	1	1
	Mean										1.067	4.835	1.716	2.229
	Max										1.2	8	5.28	4.5
Gordon River Extension	N	0	0	0	0			0	16	33	1	3		
	Min								1.1	1.9	1	5		
	Mean								4.2	5.564	1	5		
	Max								9	9.9	1	5		
Haldeman Cr Lower	N				0						1	12	5	3
	Min										3.2	1	1	1
	Mean										3.2	4.958	1.436	2.51
	Max										3.2	8.5	3.18	4.1
Haldeman Cr Upper	N	0	0	0	0			0	0	0	1	12	10	4
	Min										1	2	1	2.43
	Mean										1	4.842	2.545	4.365
	Max										1	7	5.26	7
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	3	3.82	4.2	3.3	3.8	3.1	2.91	2.88	2.46	2.34	3.03	2.4	5
Faka Union South	N	20	20	15	20	19	12	15	16	14	16	16	16	12
	Min	1	1	1.4	0.96	0.75	1.03	0.61	0.23	0.61	0.69	1	1	1.02
	Mean	1.2	1.816	2.407	2.99	2.909	2.171	1.555	2.423	1.215	2.574	2.354	1.061	2.74
	Max	3.65	2.89	6	12.1	8.94	6.29	4.58	9.79	2.34	18.26	8.3	1.4	5
Fakahatchee Strand	N	13	13	12	13	13	9	13	11	9	8	8	9	7
	Min	1	1	1	0.76	0.55	0.88	0.41	1.02	0.32	1.05	1	1	1
	Mean	1.084	1.51	3.442	5.038	3.373	2.787	2.278	9.391	0.939	7	4.398	1.378	2.947
	Max	1.59	2	11	19.8	12.47	6.53	6.67	41.86	1.45	16.36	17.5	3.13	5
Golden Gate	N	16	16	12	16	14	13	16	17	19	20	20	21	21
	Min	1	1	1	0.23	0.77	0.47	0.38	0.44	0.23	0.54	1	1	1
	Mean	1.508	1.773	1.853	2.088	2.346	1.342	1.908	1.509	1.234	1.695	1.586	1.39	2.749
	Max	4.75	2.9	3	3.7	3.8	1.96	5.04	2.61	1.98	3.92	3.01	2.89	5
Gordon Marine	N	12	11	9	12	12	12	12	10	8	8	8	7	6
	Min	1	1.56	2.5	2.9	1.92	3.51	0.74	3.39	2.79	3.01	2.06	1	1.535
	Mean	1.849	2.58	7.467	9.282	4.396	9.325	4.152	16.41	4.709	6.003	5.795	1.95	3.661
	Max	4.72	4.02	17.8	30.7	8.96	18.5	9.49	37.81	8.28	10.66	16.91	3.49	5
Gordon River Extension	N								1	4	4	4	5	6
	Min								2.71	1.84	2.35	1.22	1	1.025
	Mean								2.71	3.045	3.133	2.765	2.456	3.249
	Max								2.71	4.98	3.83	4.32	4.72	5
Haldeman Cr Lower	N	4	4	3	4	3	4	4	3	4	4	4	4	3
	Min	1	2	5.7	2.9	3.8	4.11	4.39	5.23	3.48	3.5	3.25	1	2.74
	Mean	2.828	3.103	14.2	6.875	6.047	8.82	6.913	9.3	5.99	8.083	7.875	2.49	3.935
	Max	5.91	4.17	29.4	11	8.72	11.88	10.28	14.72	8.48	18.2	13.23	4.33	5
Haldeman Cr Upper	N	4	4	3	4	4	3	4	4	4	4	4	4	3
	Min	1.34	1.87	1.8	3.36	2.21	2.8	2.52	2.17	1.93	2.98	1.92	2.2	2.12
	Mean	3.423	3.12	3.4	3.615	3.04	2.977	3.018	3.128	2.188	3.19	2.493	2.56	3.29
	Max	4.72	4.2	4.5	3.9	3.8	3.1	3.54	5.09	2.61	3.65	2.91	3.22	5
Immokalee Basin	N		18	4	14	9	9	18	12	4	1	1	2	0
	Min		1	1.9	0.9	0.84	0.42	0.31	0.86	0.82	1.51	1.69	1	

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	0	0	0				0		1	12	9	3
	Min	2.5									2.9	1	1	1
	Mean	2.5									2.9	4.852	1.711	1.867
	Max	2.5									2.9	6	6.8	3.6
Okaloacoochee Slough	N						0						1	4
	Min												2.25	1.2
	Mean												2.25	2.875
	Max												2.25	4.65
Rookery Bay Coastal	N	1	0	0	0			0	0	0	0			
	Min	2.5												
	Mean	2.5												
	Max	2.5												
Rookery Bay East	N	0	0	0	0		0	0	0	0	2	16	7	8
	Min										1	2	1	1
	Mean										1	4.75	1.067	1.706
	Max										1	7	1.47	3.15
Rookery Bay West	N	0	0	0	0			0	0	0	1	12	10	4
	Min										1	2	1	1.85
	Mean										1	4.65	2.831	2.708
	Max										1	6	15.8	4
Silver Strand	N	0	0	0										
	Min													
	Mean													
	Max													
Tamiami Canal	N	0	0	0	0			0	0	0	0		1	15
	Min												1.52	1
	Mean												1.52	1.338
	Max												1.52	2.27
Ten Thousand Islands	N	3	0	0			0	0	0				2	8

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		2.139	2.1	2.019	1.499	1.877	1.427	1.458	0.928	1.51	1.69	1.105	
	Max		4	2.5	3.3	3.8	3.63	5.07	2.88	1.24	1.51	1.69	1.21	
Naples Bay	N	4	4	3	4	4	4	4	3					
	Min	1	2	6.6	3.5	3	3.04	0.23	7.57					
	Mean	1.44	2.875	8.867	14.36	3.803	9.043	8.32	22.11					
	Max	2.76	4.82	11.1	30.5	4.64	21.26	13.25	30.11					
Okaloacoochee Slough	N	4	4	2	4	4	4	4	5	7	5	4	8	6
	Min	1	1.65	2.1	1.08	0.91	1.98	1.8	0.9	0.68	0.6	1	1	1.035
	Mean	2.043	1.828	3.4	2.27	2.303	3.948	2.5	2.012	0.92	2.242	1.918	1.534	3.313
	Max	5.07	2	4.7	3	3.8	5.42	2.99	3.62	1.3	5.59	2.71	3	5.305
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	8	8	7	8	4	6	8	7	4	4	4	4	3
	Min	1	1	1.2	0.78	0.86	1.06	0.79	1.14	0.57	0.62	1	1	1.1
	Mean	1.254	1.52	4.521	4.388	4.01	7.287	3.014	11.02	0.81	0.92	1.253	1.288	2.46
	Max	2.18	2	16.4	18.2	7.58	16.8	7.88	39.32	1.09	1.12	1.43	2.01	5
Rookery Bay West	N	3	4	3	4	4	3	4	2	4	4	4	4	3
	Min	1	1	1.7	1.4	2.24	1.22	1.25	0.64	0.83	0.91	1	1.45	1.38
	Mean	2.437	1.55	1.967	2.978	3.965	1.447	1.578	2.67	1.583	1.625	1.465	1.858	2.737
	Max	3.53	2.2	2.4	5.7	7.28	1.85	2.08	4.7	2.08	2.53	2.07	2.68	5
Silver Strand	N		8	5	8	9	11	9	10	4	4	3	4	3
	Min		1	1.4	0.66	0.23	1.08	0.73	0.8	0.68	0.83	1	1	1
	Mean		1.985	1.82	1.77	1.227	1.768	1.326	1.19	0.868	1.3	1.083	1.15	2.522
	Max		3	2	3	3.8	2.55	2.43	2.18	0.99	1.74	1.25	1.33	5
Tamiami Canal	N	19	18	12	18	17	18	20	15	12	12	12	12	9
	Min	1	1	1	0.46	0.32	0.58	0.23	0.23	0.51	0.54	1	1	1
	Mean	1	1.556	1.117	1.487	1.712	0.875	0.526	0.589	0.693	0.923	1	1.025	2.367
	Max	1	2	1.5	2.9	3.8	1.32	0.82	1.02	0.92	1.15	1	1.2	5
Ten Thousand Islands	N	8	8	6	8	8	6	7	8	8	8	8	8	6

(Continued)

*Summary of Annual WQ
1989-2014*

WQ Variable=Arsenic (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	2.5											1.36	1
	Mean	2.5											1.52	1.493
	Max	2.5											1.68	2.5

**Summary of Annual WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	1	1	1.8	1.16	1.22	1.13	1.13	0.6	0.82	1.01	1	1	1.03
	Mean	1.559	1.984	6.683	6.983	3.136	3.822	2.314	6.259	1.273	4.471	3.265	1.001	3.202
	Max	3.67	3.55	18.1	18.9	5.4	9.67	4.58	22.47	2.11	8.87	6.76	1.01	5

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	0	3	0	0		0						0	0
	Min		2.6											
	Mean		3.4											
	Max		4.2											
Camp Keais	N		0	0			0	0					0	0
	Min													
	Mean													
	Max													
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	0	11	0	0	0		0	0	5	24	70	50	0
	Min		1.9							2.3	2	1	2	
	Mean		4.718							2.96	4.542	3.333	2.468	
	Max		8.3							3.7	15.9	20.2	9.8	
Cocohatchee River	N	1	4	0	0				0	0	4	24	18	0
	Min	0.8	1								2	2	2	
	Mean	0.8	1.925								3	4.425	2.559	
	Max	0.8	2.5								4.5	43.3	5.9	
Corkscrew Swamp	N									1	9	12		0
	Min									2.6	2	1		
	Mean									2.6	3.711	4.708		
	Max									2.6	6.3	12		
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					0	0
	Min													
	Mean													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	0	0	0	11	9	8	6	12	12	12	11	12	7
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.073	1.753	4.155	3.183	2.483	2.075	2.917	3.109	2	2.229
	Max				2.8	2	11.7	5	5.7	2.4	6.8	6.7	2	2.8
Camp Keais	N	0	0	0	22	18	20	11	23	32	24	13	24	15
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.018	1.803	2.613	2.255	3.157	2.294	2.454	2.515	2.125	2.72
	Max				2.4	3	7.78	3.4	13.9	4.2	6	5.8	3.6	6.1
Cocohatchee GC Disch	N								3	12	10	8	12	9
	Min								2	2	2	2	2	2
	Mean								2.133	2.058	2.22	2.025	2.008	2.511
	Max								2.4	2.3	2.8	2.2	2.1	6
Cocohatchee Inland	N	0	0	0	77	66	64	48	85	107	107	99	107	81
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2.274	2.075	2.468	2.479	2.392	2.552	2.651	2.495	2.25	2.499
	Max				6.8	5.2	15	4.4	10.9	7.9	7.7	9.8	4.8	8.8
Cocohatchee River	N	0	0	0	24	19	19	14	21	12	12	11	12	9
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2.104	1.893	2.793	2.293	2.395	2.275	2.367	2.073	2.008	2.089
	Max				4.1	3.2	6	3.5	5.3	2.8	4.1	2.4	2.1	2.3
Corkscrew Swamp	N	0	0	0	16	7	9	8	11	16	8	10	10	9
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.019	1.417	2.294	2.55	2.136	2.075	2.738	2.07	2.06	2.244
	Max				2.3	2.8	3.1	4.8	3.5	2.8	4.8	2.6	2.6	3.6
Cow Slough	N		0	0	5	7	3	6	9	12	9	2	7	4
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.18	1.609	2.61	2.717	2.078	2.542	4.156	2.15	2.757	2.675
	Max				2.4	2.5	3.83	4.5	2.4	7.1	10.7	2.3	3.5	3.7
Faka Union North	N	0	0	0	34	27	32	17	36	36	36	33	36	24
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.271	1.968	2.088	2.147	2.044	2.025	2.153	2.142	2.231	2.225

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max													
Faka Union South	N	0	2	0	0		0	0	0	0	0		0	0
	Min		3.3											
	Mean		4.25											
	Max		5.2											
Fakahatchee Strand	N	0	2	0	0	0	0	0	0	0	0		0	0
	Min		6.2											
	Mean		6.65											
	Max		7.1											
Golden Gate	N	0	3	0	0			0	12	38	10	54	35	0
	Min		1.9						2	2	2	1	2	
	Mean		2.667						4.083	3.139	4.18	3.741	2.171	
	Max		3.8						8	6.1	9.9	34.8	3.9	
Gordon Marine	N	1			0						3	36	24	0
	Min	2.4									3.3	1	2	
	Mean	2.4									3.7	2.478	2.513	
	Max	2.4									3.9	7.5	8.1	
Gordon River Extension	N	0	1	0	0			0	13	13	1	3		
	Min		2						2.1	2	2	1		
	Mean		2						3.662	2.554	2	1.667		
	Max		2						8.7	3.5	2	2		
Haldeman Cr Lower	N				0						1	11	6	0
	Min										4.4	2	2	
	Mean										4.4	3.264	2.983	
	Max										4.4	6	7.8	
Haldeman Cr Upper	N	0	2	0	0			0	1	2	1	12	9	0
	Min		4.3						4	2.8	2	2	2	
	Mean		4.4						4	4.4	2	3.517	2.911	
	Max		4.5						4	6	2	14.6	7.8	
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max				8.5	5	2.8	3.4	3	2.5	3.1	3.4	5.7	3.6
Faka Union South	N	0	0	0	54	41	43	28	47	44	46	48	49	36
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.2	1.542	2.461	2.243	2.14	2.295	2.654	2.425	2.261	2.297
	Max				7.7	3.5	12	4.3	4.4	5.1	11.4	6.5	5.4	7.9
Fakahatchee Strand	N	0	0	0	36	29	31	22	29	26	26	26	28	20
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.228	2.472	3.244	2.323	2.607	2.165	4.235	3.277	2.45	2.525
	Max				5.3	9.8	7.6	3.6	8.8	4.9	8.4	8.3	5.1	5.7
Golden Gate	N	0	0	0	45	38	40	23	50	59	60	55	65	58
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2.007	1.743	2.148	2.217	2.036	2.054	2.27	2.276	2.012	2.016
	Max				2.2	4.2	4.5	3.7	2.8	3.3	8.2	5.2	2.4	2.5
Gordon Marine	N	0	0	0	34	33	27	18	33	22	24	22	23	18
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2.059	2.013	2.013	2.156	2.248	2.195	2.363	2.091	2.096	2.05
	Max				2.9	4	4.7	3.4	3.7	4.2	4.9	3.1	2.7	2.4
Gordon River Extension	N								3	12	12	11	15	18
	Min								2	2	2	2	2	2
	Mean								2.4	2.333	2.25	2.091	2.147	2.267
	Max								3.2	3.7	3.3	2.6	3	3.7
Haldeman Cr Lower	N	0	0	0	12	11	9	6	12	11	12	11	12	9
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2	1.851	2.181	2.3	2.525	2.127	2.4	2.1	2.383	2.044
	Max				2	3	4.4	3	5.6	2.7	3.1	2.7	4.3	2.4
Haldeman Cr Upper	N	0	0	0	10	10	11	6	12	12	12	11	12	9
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2.29	2.618	2.085	2.533	2.242	2.592	3.292	2.191	2.033	2.089
	Max				4.4	5.8	3.51	4.5	2.9	3.6	9	3.2	2.2	2.4
Immokalee Basin	N		0	0	11	7	9	15	12	9	3	1	4	2
	Min				2	0.78	2	2	2	2	2	2.3	2	2.1

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	5	0	0				0		1	12	9	0
	Min	1.2	1.3								3.2	2	2	
	Mean	1.2	2.22								3.2	2.658	2.222	
	Max	1.2	3.8								3.2	6.2	3.4	
Okaloacoochee Slough	N						0						0	0
	Min													
	Mean													
	Max													
Rookery Bay Coastal	N	2	6	0	0			0	0	0	0			
	Min	1.5	0.6											
	Mean	1.65	1.217											
	Max	1.8	1.7											
Rookery Bay East	N	0	2	0	0		0	0	0	0	2	16	4	0
	Min		3.2								2	2	2	
	Mean		3.55								2	3.175	2.275	
	Max		3.9								2	6	3.1	
Rookery Bay West	N	0	1	0	0			0	0	0	1	12	9	0
	Min		5.2								2	2	2	
	Mean		5.2								2	3.767	2.222	
	Max		5.2								2	12.6	2.7	
Silver Strand	N	0	2	0										
	Min		2.3											
	Mean		4.5											
	Max		6.7											
Tamiami Canal	N	0	4	0	0			0	0	0	0		0	0
	Min		1.7											
	Mean		4.225											
	Max		7.1											
Ten Thousand Islands	N	6	19	0			0	0	0				0	0

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean				4.536	1.854	4.393	2.653	2.708	2.7	2.5	2.3	2	2.3
	Max				23.8	3	11.7	4.4	5.5	6.4	2.8	2.3	2	2.5
Naples Bay	N	0	0	0	12	11	9	6	9					
	Min				2	0.78	0.78	2	2					
	Mean				2.125	1.835	1.864	2.083	2					
	Max				3.5	3	2	2.4	2					
Okaloacoochee Slough	N	0	0	0	11	9	11	6	14	23	17	12	23	17
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.345	2.22	7.202	2.35	3.936	2.335	4.212	3.017	2.122	2.612
	Max				5.1	3.8	25	3.5	18.5	6.8	10.4	7.6	4	5.9
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	0	0	0	20	20	20	12	21	12	12	11	12	9
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.01	1.868	2.283	3.075	2.429	2.275	2.092	2.191	2	2.567
	Max				2.2	4.1	3.43	7	7.2	5.1	2.6	3.1	2	7.1
Rookery Bay West	N	0	0	0	10	10	11	6	10	12	12	11	12	9
	Min				2	0.78	0.78	2	2	2	2	2	2	2
	Mean				2.35	1.796	2.166	2	2	2.292	2.017	2	2	2
	Max				4.7	2.7	3.6	2	2	4.6	2.1	2	2	2
Silver Strand	N		0	0	5	7	8	6	12	12	12	9	12	7
	Min				2	0.78	2	2	2	2	2	2	2	2.1
	Mean				2	1.363	2.713	2.183	2.317	2.717	3.942	2.644	2.942	4.586
	Max				2	2	4.82	2.7	4.8	7.6	10.9	3.6	6.6	8.1
Tamiami Canal	N	0	0	0	54	39	49	25	40	33	34	30	36	27
	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.074	2.282	2.148	2.348	2.578	2.03	2.118	2.01	2.017	2.104
	Max				4.8	7.4	3.65	4.3	9.5	3	3.4	2.3	2.6	4.5
Ten Thousand Islands	N	0	0	0	20	18	21	15	22	23	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min				2	0.78	2	2	2	2	2	2	2	2
	Mean				2.125	1.731	2.343	2.133	2.05	2.009	2.654	2.483	2.138	2.094
	Max				3.3	8.3	7.3	3	2.7	2.2	6.5	8.4	3	2.8

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	3	3	0		2						3	12
	Min	0.41	0.5	1.1			4						3	3
	Mean	0.41	4.633	1.933			4.005						3	9.067
	Max	0.41	11	2.7			4.01						3	22
Camp Keais	N		4	13			2	2					6	24
	Min		0.3	1.3			1.1	4.3					3	3
	Mean		6.9	3.72			1.1	15.15					3.833	6.217
	Max		13	9.6			1.1	26					6.4	24
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	6	21	15	9	1		0	0	3	26	70	63	67
	Min	0.18	0.55	3.2	2.6	19.2				3.6	3	2	3	3
	Mean	2.113	43.76	11.67	11.77	19.2				5.833	12.28	6.673	6.817	6.058
	Max	5.6	299	62.8	27.8	19.2				8.6	47.3	54.2	42	17.6
Cocohatchee River	N	1	10	7	1				2	0	5	24	24	23
	Min	0.05	0.3	0.6	17.1				3.2		3	2	3	3
	Mean	0.05	6.39	4.197	17.1				3.55		7.68	6.096	8.15	11.56
	Max	0.05	17	9.3	17.1				3.9		17.1	24	36	71.6
Corkscrew Swamp	N									0	10	12		8
	Min										3	2		3
	Mean										10.13	5.717		4.05
	Max										41.3	33.4		8.5
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						1	2					9	36
	Min						10.7	1.1					3	3
	Mean						10.7	5.35					4.356	6.025

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	9	12	12	7	7	12	11	12	12	12	8
	Min	3	3	3	3	3	6.9	3	3	3	1.9	2.7	2.2	1.7
	Mean	8.8	5.992	5.067	7.692	7.242	24.04	13.74	20.98	4.645	24.48	20.95	8.425	10.83
	Max	33.1	21.4	21.4	26.2	27.8	41.7	30.7	162.9	19.8	99.6	97.3	28.4	36.9
Camp Keais	N	24	24	20	21	21	22	17	23	29	24	15	24	17
	Min	3	3	3	3	3	3	3	3	3	1	1	1	1
	Mean	10.17	3.663	3.585	3.39	5.29	20.72	15.87	18.37	7.041	5.85	2.66	7.625	8.535
	Max	74.8	10.1	8.5	5.9	13.9	211.5	67.6	113.9	35.8	53.6	7.6	88.3	71.9
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								3	3	1.4	1.1	1	1.3
	Mean								4.3	6.608	11.99	3.033	5.5	8.5
	Max								6.9	21.4	46.7	6	24.6	38.5
Cocohatchee Inland	N	69	71	62	76	77	73	64	85	108	107	108	108	81
	Min	3	3	3	3	3	3	3	3	3	1.1	1	1	1
	Mean	10.06	7.611	5.419	8.12	6.484	11.2	5.927	6.256	11.16	19.11	12.23	11.37	15.08
	Max	76.9	50.2	40.1	71.6	67.8	99.9	34.2	67.8	89.2	252.3	210	101.6	87.8
Cocohatchee River	N	22	24	20	24	22	22	20	21	12	12	12	12	9
	Min	3	3	3	3	3	3	3	3	3	3	2.1	1	3.4
	Mean	8.432	4.517	4.94	4.167	10.46	10.49	4.985	5.862	5.808	15.88	7.917	5.225	8.467
	Max	33.1	13.4	14.4	12.8	86.5	31.5	17.6	30.4	11.7	58.2	17	10	16.6
Corkscrew Swamp	N	13	16	16	16	12	9	7	11	15	8	10	10	9
	Min	3	3	3	3	3	3	3	3	3	1	1	1	1.2
	Mean	5.923	3.481	4.512	3.056	6.15	12.11	4.986	4.409	3.047	5.113	4.48	3.04	8.467
	Max	16.9	6.9	13	3.7	37.4	65.9	16.9	14.4	3.7	19.1	9.7	10.5	46.6
Cow Slough	N		0	0	0	0	0	0	3	11	9	2	7	4
	Min								3	3	1	2.2	1	1.4
	Mean								3	5.4	21.42	3.55	7.614	11.38
	Max								3	13.4	78.8	4.9	22.2	26.7
Faka Union North	N	36	34	32	35	33	34	29	36	34	36	36	35	27
	Min	3	3	3	3	3	3	3	3	3	1.1	1	1	1.3
	Mean	4.422	4.906	4.128	3.754	3.915	5.135	4.548	3.928	3.621	4.519	6.15	6.511	6.5

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						10.7	9.6					10	25
Faka Union South	N	1	3	1	1		1	1	0	1	0		15	60
	Min	0.21	0.34	6.7	7.5		1.1	1.1		1.06			3	3
	Mean	0.21	3.413	6.7	7.5		1.1	1.1		1.06			8.287	6.177
	Max	0.21	8.1	6.7	7.5		1.1	1.1		1.06			73	40.6
Fakahatchee Strand	N	1	5	11	0	0	16	1	1	1	0		9	38
	Min	1.2	0.6	1.3			1.1	15	97.94	97.3			3	3
	Mean	1.2	52.52	2.534			13.43	15	97.94	97.3			9.533	9.211
	Max	1.2	126	4.1			53.4	15	97.94	97.3			51	41
Golden Gate	N	4	15	19	10			1	10	44	9	54	46	48
	Min	0.13	0.1	1.1	1.1			0.96	4.3	3	3	2	3	3
	Mean	1.088	4.222	8.063	6.92			0.96	7.35	11.49	5.4	3.798	7.104	6.246
	Max	2.9	20	57.7	13.9			0.96	15.2	62.5	10.6	16	26	29.9
Gordon Marine	N	1			6						3	36	34	36
	Min	7.3			1.1						3	2	3	3
	Mean	7.3			4.542						4.633	4.842	5.797	6.75
	Max	7.3			10.7						5.9	20	18	26.7
Gordon River Extension	N	1	3	6	5			1	13	34	1	3		
	Min	0.05	0.1	2.1	1.1			0.96	3.1	1.38	3	3		
	Mean	0.05	0.94	5.367	2.27			0.96	13.35	10.08	3	4.5		
	Max	0.05	2	10.6	4.3			0.96	71	34.96	3	7.5		
Haldeman Cr Lower	N				3						1	12	8	12
	Min				4.2						8	3	3	3
	Mean				6.917						8	11.59	7.525	6.492
	Max				11.2						8	53.9	13.4	11.2
Haldeman Cr Upper	N	1	4	4	1			0	2	3	1	12	12	12
	Min	24	2.4	1.3	2.1				3.4	5.6	9.5	2	3	3
	Mean	24	19.28	8.6	2.1				5.05	12.17	9.5	8.258	7.783	7.1
	Max	24	40	20.3	2.1				6.7	16	9.5	24.6	20	15.5
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	16.9	15	16	8	11.7	34.7	11.9	15.5	18.7	13.5	19.9	60.9	25.3
Faka Union South	N	59	54	52	55	52	44	36	49	42	46	48	49	36
	Min	3	3	3	3	3	3	3	3	3	1	1	1	1.5
	Mean	8.793	5.583	5.829	5.729	5.288	7.57	7.25	4.488	7.214	14.87	7.873	8.518	8.15
	Max	206	48.1	98.3	38.4	40.6	104.1	65.1	23.5	63	378.7	45.8	88	46
Fakahatchee Strand	N	40	39	33	36	39	34	29	35	26	26	28	28	20
	Min	3	3	3	3	3	3	3	3	3	1.3	1.3	1	1.1
	Mean	11.88	6.618	10.79	7.219	13.67	21.43	9.797	12.02	5.308	29.59	12.09	9.261	39.69
	Max	114	35.2	80.8	57.1	115.9	107.9	49.7	91.7	24	95	39.5	45.4	316
Golden Gate	N	48	45	42	45	45	48	39	50	59	60	60	65	63
	Min	3	3	3	3	3	3	3	3	3	1	1	1	1.1
	Mean	5.694	5.58	3.914	4.142	4.356	9.063	4.997	4.988	4.492	7.107	6.935	5.726	5.984
	Max	33.6	24	11.2	10.7	15.5	71	19.2	15	19.2	35.1	43.5	26.8	17.5
Gordon Marine	N	33	33	26	33	34	33	32	33	26	24	24	23	18
	Min	3	3	3	3	3	3	3	2	1	2.6	2.5	1	4
	Mean	9.2	5.985	6.3	5.803	6.191	7.539	5.641	5.691	6.967	11.35	9.283	7.93	8.539
	Max	25.6	17.1	41.7	58.7	40.6	21.9	21.9	17.1	37.4	27.5	26	15.2	18.7
Gordon River Extension	N								3	12	12	12	15	18
	Min								3	3	3.5	4.2	1.6	4.2
	Mean								6.633	12.04	11.23	6.408	8.76	9.789
	Max								13.9	48.1	38.9	9.5	18.4	21.7
Haldeman Cr Lower	N	11	12	9	11	11	10	10	12	14	12	12	12	9
	Min	3	3	3	3	3	3	3	3	2	6.3	3.4	5.6	4
	Mean	7.573	5.1	6.911	5.945	8.618	7.95	6.24	4.792	9.1	10.83	10.15	12.11	12.96
	Max	21.9	13.4	27.8	10.1	22.4	20.3	13.4	13.9	34	18.2	22	27.4	25.4
Haldeman Cr Upper	N	11	12	10	12	12	12	11	12	12	12	12	12	9
	Min	3	3	3	3	3	3	3	3	3	2.9	1.4	5.7	5.9
	Mean	9.255	5.917	8.05	6.175	4.658	7.608	8.318	6.308	8.575	25.73	7.933	13.23	12.19
	Max	25.1	11.2	24	18.7	10.7	20.3	19.2	26.7	20.3	162.8	19.8	29.3	20.5
Immokalee Basin	N		0	0	0	0	0	0	1	8	3	1	4	2
	Min								3	3	2.7	1.2	2.1	1

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	17				2		1	12	12	12
	Min	0.9	0.16	2.67	2.1				11.5		8.8	2	3	3
	Mean	0.9	9.945	6.318	6.225				17.85		8.8	4.858	7.142	5.508
	Max	0.9	31	16	12.85				24.2		8.8	10.1	11	14.4
Okaloacoochee Slough	N						3						3	12
	Min						5.34						26	3
	Mean						11.98						31.67	16.46
	Max						20						35	50
Rookery Bay Coastal	N	2	6	0	2			4	1	0	0			
	Min	1.8	0.67		4.3			1.6	4.5					
	Mean	3.6	4.312		4.8			2.525	4.5					
	Max	5.4	11		5.3			3.2	4.5					
Rookery Bay East	N	3	9	5	1		5	7	3	6	3	16	9	22
	Min	3.6	0.98	1.34	1.1		1.1	0.84	8.7	7.5	3	2	3	3
	Mean	3.8	14.44	3.188	1.1		4.48	9.02	14.17	22.96	13.83	4.469	5.167	7.655
	Max	3.9	53	6.7	1.1		13.9	16	21.6	38.4	26.9	13.9	12.3	29.9
Rookery Bay West	N	1	3	3	1			1	2	0	1	12	12	12
	Min	1.6	0.25	1.4	8.5			0.75	12.5		4.1	3	3	3
	Mean	1.6	9.183	2.867	8.5			0.75	13.75		4.1	5.517	8.733	5.833
	Max	1.6	19	4	8.5			0.75	15		4.1	17	19	14
Silver Strand	N	1	4	3										
	Min	3.3	2.1	5.3										
	Mean	3.3	4.1	6.04										
	Max	3.3	6.2	7.5										
Tamiami Canal	N	3	10	8	0			0	2	0	0		14	48
	Min	0.22	2.3	1.1					4.8				3	3
	Mean	0.907	18.31	2.684					20.58				5.036	6.879
	Max	1.9	87	5.3					36.35				12	37
Ten Thousand Islands	N	6	31	17			11	3	0				6	24

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean								3	3.375	4.467	1.2	3.85	1.35
	Max								3	5.3	7.4	1.2	5.4	1.7
Naples Bay	N	10	11	9	11	12	11	10	9					
	Min	3	3.2	3	3	3	3	3	3					
	Mean	7.91	5.809	5.244	4.764	6.8	4.918	4.71	4.511					
	Max	16	10.1	10.1	13.4	15	10.1	9.1	9.6					
Okaloacoochee Slough	N	12	12	8	12	12	10	10	13	21	17	13	23	18
	Min	3	3	3	3	3	3	3	3	3	1.2	1.2	1	1
	Mean	11.32	4.208	5.588	11.21	9.142	34.78	13.4	20.61	3.762	19.51	19.78	5.335	13.64
	Max	56.4	9.1	11.2	32	33.1	137	47.2	133.5	10.7	110	110	49.2	62.7
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	24	24	20	23	24	24	21	21	12	12	12	12	9
	Min	3	3	3	3	3	3	3	3	3	2.6	3	1	1.8
	Mean	6.217	3.617	3.505	3.63	4.858	7.842	11.84	9.69	3.167	6.475	7.942	4.742	10.2
	Max	19.8	11.7	5.9	8	37.9	31.5	96.7	98.3	4.8	26.1	15	16.1	53.6
Rookery Bay West	N	8	12	10	12	12	12	11	10	12	12	12	12	9
	Min	3	3	3	3	3	3	3	3	3	1.9	1	1	3.4
	Mean	7.65	4.842	3.96	5.65	5.95	6.475	3.636	3.02	4.25	4.325	3.1	5.2	4.933
	Max	18.2	20.3	7.5	10.7	24.6	16.6	6.4	3.2	11.7	11.3	7.8	13.2	7.1
Silver Strand	N		0	0	0	0	0	0	3	11	12	9	12	7
	Min								3	3	3.2	3.6	6.1	10.9
	Mean								3.6	3.409	28.41	15.29	18.94	21.04
	Max								4.8	7.5	184.1	38	60	31.6
Tamiami Canal	N	55	56	47	55	52	55	44	44	36	34	36	36	27
	Min	3	3	3	3	3	3	3	3	3	1	1	1	1
	Mean	7.278	4.618	5.449	5.247	6.119	5.667	5.366	12.66	3.831	5.659	3.789	3.839	4.956
	Max	80.1	31.5	35.2	26.7	81.7	26.2	26.7	170.9	10.7	33.6	17.6	9.5	31
Ten Thousand Islands	N	24	22	20	22	23	22	18	24	23	24	24	24	17

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	0.05	0.05	0.5			0.1	3.2					3	3
	Mean	0.05	4.903	4.024			3.539	4.983					3.75	6.117
	Max	0.05	29	16.3			8.01	7.5					7.5	19.2

**Summary of Annual WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	3	3	3	3	3	3	3	3	3	1	1	1.2	1.1
	Mean	6.342	3.532	5.255	4.936	5.787	5.409	3.872	3.754	4.183	10.73	5.754	5.85	6.888
	Max	47.5	9.6	17.6	16.6	27.8	18.2	12.3	11.2	14.4	55.1	52.8	25	15.3

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	2	0	0		0						3	11
	Min	35	15										60	80
	Mean	35	20										86.67	120.9
	Max	35	25										100	200
Camp Keais	N		0	0			0	0					6	22
	Min												50	30
	Mean												98.33	102.3
	Max												160	240
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	5	6	0	0	0		1	4	4	7	60	66	67
	Min	40	35					77	60	37	50	30	30	30
	Mean	57	90					77	95.25	57.75	99.71	99.83	68.12	64.63
	Max	90	300					77	143	80	140	440	200	300
Cocohatchee River	N	0	0	0	0				0	0	2	20	25	23
	Min										110	50	40	40
	Mean										115	81.25	65.2	66.09
	Max										120	120	120	120
Corkscrew Swamp	N									0	4	8		8
	Min										55	60		60
	Mean										96.25	123.8		126.3
	Max										120	280		180
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					9	33
	Min												30	40
	Mean												83.33	84.55

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	10	10	11	7	9	11	4	0	0	0	0
	Min	100	60	40	30	80	60	70	39	34				
	Mean	125.8	97.5	91	74	101.8	75.71	171.1	136.9	35.5				
	Max	160	140	250	120	120	100	350	400	38				
Camp Keais	N	23	24	23	19	21	20	19	18	8	0	0	0	0
	Min	40	30	20	20	30	10	35	30	21				
	Mean	92.17	71.88	65.22	67.11	79.05	82.25	139.2	123.9	77.63				
	Max	180	120	150	120	150	300	350	400	171				
Cocohatchee GC Disch	N								0	0	0	0	0	0
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	69	71	66	61	77	72	78	64	14	0	0	0	0
	Min	40	20	30	30	30	20	30	30	31				
	Mean	100.5	86.06	66.06	64.34	65.39	57.43	78.72	60.48	49.21				
	Max	300	150	120	120	150	150	200	200	91				
Cocohatchee River	N	23	24	22	18	22	22	24	20	5	0	0	0	0
	Min	30	45	5	20	20	30	35	25	20				
	Mean	98.7	80	57.95	61.67	65.45	50.45	68.13	47.4	41				
	Max	200	120	80	80	120	100	150	75	57				
Corkscrew Swamp	N	7	16	16	8	4	7	11	9	4	0	0	0	0
	Min	60	70	40	30	120	10	45	5	20				
	Mean	135.7	114.4	101.3	88.75	135	87.14	152.3	84.89	30				
	Max	200	200	200	150	150	300	350	250	52				
Cow Slough	N		11	6	6	7	3	7	6	0	0	0	0	0
	Min		60	60	150	100	120	120	90					
	Mean		151.8	141.7	178.3	138.6	120	210	190					
	Max		280	200	210	250	120	300	250					
Faka Union North	N	36	34	34	28	33	32	33	31	8	0	0	0	0
	Min	30	20	20	5	20	10	20	17	15				
	Mean	91.67	84.71	66.32	59.11	71.06	46.88	72.88	47.45	30.13				

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max												200	150
Faka Union South	N	1	2	0	0		0	1	4	4	1		13	53
	Min	30	20					40	15	30	40		20	10
	Mean	30	25					40	38.75	42.5	40		48.46	55.85
	Max	30	30					40	50	50	40		100	180
Fakahatchee Strand	N	1	2	0	0	0	0	1	4	4	1		6	35
	Min	100	75					50	60	60	60		60	30
	Mean	100	117.5					50	80	95	60		123.3	96.86
	Max	100	160					50	120	120	60		200	240
Golden Gate	N	2	5	0	0			1	4	4	6	44	46	41
	Min	50	35					80	60	50	50	30	30	30
	Mean	55	45					80	62.5	72.5	92.5	116.9	118.9	166.3
	Max	60	70					80	70	100	140	440	400	800
Gordon Marine	N	0			0						3	30	36	33
	Min										60	30	30	20
	Mean										66.67	73.67	65.83	65.45
	Max										70	110	120	120
Gordon River Extension	N	1	2	0	0			1	4	4	1	2		
	Min	40	30					40	40	50	50	30		
	Mean	40	35					40	52.5	67.5	50	45		
	Max	40	40					40	60	100	50	60		
Haldeman Cr Lower	N				0						1	10	9	11
	Min										55	30	30	30
	Mean										55	49.5	47.78	50
	Max										55	55	80	80
Haldeman Cr Upper	N	1	2	0	0			0	0	0	1	10	12	10
	Min	35	40								50	6	40	30
	Mean	35	40								50	45.9	50.83	53
	Max	35	40								50	70	60	80
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	240	150	150	120	180	120	220	125	56				
Faka Union South	N	57	60	57	51	51	38	48	38	4	0	0	0	0
	Min	10	10	5	5	20	5	15	10	22				
	Mean	53.51	47.75	41.05	43.24	52.35	50.39	60.94	56.97	26				
	Max	200	140	120	120	150	220	220	250	34				
Fakahatchee Strand	N	40	39	35	30	36	31	39	30	4	0	0	0	0
	Min	40	40	40	10	50	50	60	60	67				
	Mean	98.5	74.62	84.86	75.33	109.4	115	110	125.3	79.75				
	Max	200	140	400	150	210	180	200	250	93				
Golden Gate	N	48	46	47	39	43	42	46	42	11	0	0	0	0
	Min	60	60	40	30	40	20	30	25	29				
	Mean	143.1	115.9	91.91	86.28	101.9	76.31	116.6	108.8	119.5				
	Max	300	250	180	200	250	180	400	400	235				
Gordon Marine	N	36	35	32	33	33	30	36	33	15	0	0	0	0
	Min	30	40	20	10	30	5	20	15	27				
	Mean	89.72	82.86	51.25	64.39	69.24	40.5	67.92	50.48	46.93				
	Max	200	140	80	110	150	100	180	125	66				
Gordon River Extension	N								0	0	0	0	0	0
	Min													
	Mean													
	Max													
Haldeman Cr Lower	N	12	12	11	11	11	10	12	11	5	0	0	0	0
	Min	40	40	30	5	30	20	25	15	11				
	Mean	61.67	53.75	43.64	50.91	49.09	36.5	46.67	38.82	20				
	Max	80	80	60	70	80	60	70	75	26				
Haldeman Cr Upper	N	12	12	12	10	11	11	12	11	4	0	0	0	0
	Min	50	30	40	30	40	30	45	35	35				
	Mean	63.33	49.58	49.17	43.5	51.82	44.55	53.33	45.09	36.75				
	Max	80	60	60	60	80	50	70	60	38				
Immokalee Basin	N		20	9	15	9	9	18	11	0	0	0	0	0
	Min		5	20	30	60	5	15	5					

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	0	0	0	0				0		1	10	12	11
	Min										30	6	30	10
	Mean										30	41.1	42.5	46.36
	Max										30	70	100	120
Okaloacoochee Slough	N						0						3	11
	Min												150	100
	Mean												176.7	170.9
	Max												200	400
Rookery Bay Coastal	N	0	0	0	0			0	0	0	0			
	Min													
	Mean													
	Max													
Rookery Bay East	N	1	3	0	0		0	2	8	8	3	14	14	18
	Min	50	50					54	50	50	50	30	40	20
	Mean	50	56.67					57	84	69.13	53	61.79	67.86	77.22
	Max	50	70					60	170	100	59	110	150	200
Rookery Bay West	N	1	2	0	0			1	4	4	1	10	12	10
	Min	30	30					50	50	50	45	30	20	20
	Mean	30	32.5					50	52.5	55	45	69	55	63
	Max	30	35					50	60	60	45	200	80	120
Silver Strand	N	1	1	0										
	Min	80	70											
	Mean	80	70											
	Max	80	70											
Tamiami Canal	N	1	4	0	0			1	4	3	1		9	43
	Min	35	45					30	40	50	40		30	30
	Mean	35	63.75					30	50	53.33	40		43.33	57.91
	Max	35	70					30	60	60	40		60	180
Ten Thousand Islands	N	0	0	0			0	0	0				4	22

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		81.75	74.44	89.33	104.4	81.67	87.78	103.2					
	Max		200	120	180	200	150	180	200					
Naples Bay	N	12	12	11	11	11	10	12	9					
	Min	30	30	5	10	20	5	15	15					
	Mean	65	57.5	26.82	45.91	44.55	19	40.42	26.67					
	Max	120	100	80	70	100	50	120	50					
Okaloacoochee Slough	N	12	12	9	10	11	11	11	9	0	0	0	0	0
	Min	120	80	100	80	100	120	120	150					
	Mean	180	127.5	154.4	105	151.8	178.6	235.5	225					
	Max	240	180	250	150	250	250	450	400					
Rookery Bay Coastal	N								2	4				
	Min								26	32				
	Mean								28.5	35.75				
	Max								31	39				
Rookery Bay East	N	24	24	24	20	22	22	24	22	8	0	0	0	0
	Min	30	30	30	20	40	20	25	20	26				
	Mean	85.42	67.5	55.42	69.5	69.09	41.14	71.88	53.45	39.88				
	Max	240	120	120	140	180	70	250	200	57				
Rookery Bay West	N	8	12	12	10	11	11	12	9	4	0	0	0	0
	Min	50	40	30	30	40	30	25	25	25				
	Mean	62.5	54.58	42.5	50	56.36	44.09	42.08	36.78	28.5				
	Max	80	80	60	80	80	60	60	45	33				
Silver Strand	N		8	7	7	9	9	9	9	0	0	0	0	0
	Min		20	60	120	100	5	70	5					
	Mean		181.3	155.7	160	155.6	135	184.4	164.4					
	Max		250	250	180	250	300	300	250					
Tamiami Canal	N	56	56	42	49	48	45	54	37	4	0	0	0	0
	Min	20	10	5	5	20	5	25	5	19				
	Mean	53.04	36.52	34.52	38.78	48.13	35.44	41.76	49.81	24				
	Max	150	80	80	90	150	80	70	150	30				
Ten Thousand Islands	N	23	24	22	19	22	21	24	20	4	0	0	0	0

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min												40	30
	Mean												65	62.27
	Max												80	120

**Summary of Annual WQ
1989-2014**

WQ Variable=Color (CU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	20	30	20	10	35	5	35	5	24				
	Mean	61.74	49.79	45.23	55.26	56.36	48.33	65.42	55.4	27.75				
	Max	120	90	80	200	80	100	200	150	35				

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	0		1						3	12
	Min	541.4	566	346.2			598						361	253
	Mean	541.4	618	560.1			598						501.8	543
	Max	541.4	651.1	790.6			598						588.5	792
Camp Keais	N		6	14			0	0					6	24
	Min		373.7	193.9									395	235
	Mean		469.7	375.1									528.7	433.8
	Max		608.6	570.2									621	655
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	24	15	0	1		0	3	11	29	70	64	67
	Min	791.3	690.3	406.4		1100			627	585	474	106	491.5	377
	Mean	1352	1571	1012		1100			672.7	955	968.7	833.5	937	965.2
	Max	1897	7233	1836		1100			717	1641	1611	3830	1864	2071
Cocohatchee River	N	1	10	7	0				2	1	5	24	25	23
	Min	48731	31789	6266					33000	1346	494	277	628	394
	Mean	48731	43242	36306					38150	1346	9609	12223	25913	18305
	Max	48731	53553	47341					43300	1346	35100	48200	46200	49510
Corkscrew Swamp	N									4	16	12		8
	Min									278	242	222		230
	Mean									360.3	357.4	307.8		336
	Max									495	511	493		525
Cow Slough	N													
	Min													
	Mean													
	Max													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	10	12	12	7	10	14	16	12	12	12	8
	Min	303	261	263.5	276	196	474	312	289	232	283.5	441	303	309
	Mean	498.4	412.3	493.4	437.2	494	641.4	512.2	521	466.7	552.1	573.5	496.6	621.9
	Max	727	618	690	664	704	733	699	756	650	746	711	679	759
Camp Keais	N	24	24	19	24	22	21	21	23	32	24	15	24	17
	Min	238	197	214	200	178	268.5	224	288	222	288	322	138	181
	Mean	441.5	419.2	471.8	418.8	464.3	514.5	428.9	498.3	489.2	461.2	491	396.1	479.6
	Max	615	627	605	616	621	686	620	627.5	683	795	708.5	617.5	654
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								974	711	962	981	888	1004
	Mean								993.7	979.6	1040	1063	1077	1113
	Max								1013	1130	1290	1236	1187	1396
Cocohatchee Inland	N	69	67	64	78	83	72	76	85	108	108	108	109	81
	Min	433	342	344	373	330	419	313	439	411	414	380	323	406
	Mean	895.1	767.5	834.1	760.9	1199	1649	1414	2040	914.8	1553	1693	1078	1066
	Max	1810	1718	1871	2310	18944	21213	15661	26225	2873	24826	32704	6589	4472
Cocohatchee River	N	23	22	21	24	24	22	23	21	12	12	12	12	9
	Min	438	400	459	407	331	19908	421	631	1107	606	829	456	566
	Mean	15069	9492	17953	12649	17890	35157	24688	29009	18729	30658	30873	24485	29798
	Max	49283	40195	45274	46413	49624	47312	48841	50609	36877	49590	49457	50709	44936
Corkscrew Swamp	N	13	12	16	16	12	9	11	11	16	8	10	10	9
	Min	245	242	249	186	233	202	277	315	251	314	353	219	224
	Mean	409.5	374	368.8	332.8	372.2	421.8	416	486.2	440.2	461.9	497.6	425.1	448.6
	Max	573	497	505	499	526	516	537	563.5	588	593	621	605	589
Cow Slough	N		10	6	8	8	4	7	9	12	9	2	8	4
	Min		220	278	93	270	433	151	238	193	139	312	105	255
	Mean		420.9	484.8	258.1	409	528.5	264.6	541.3	454.2	434.9	433.5	387.8	332.8
	Max		604	584	487	552	603	423	726	666	589	555	672	422

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	N						0	0					9	36
	Min												399	279
	Mean												557.6	531.6
	Max												657	745.5
Faka Union South	N	1	4	3	0		0	0	3	4	2		15	60
	Min	649.6	803.4	474.7					520	612	633		506	336
	Mean	649.6	976.9	662.8					644	651.8	1140		1325	4589
	Max	649.6	1160	763.9					713	708	1647		7588	62047
Fakahatchee Strand	N	1	4	5	0	0	4	0	3	4	2		9	38
	Min	601.7	357.2	232.4			324		278	339	383		416	318
	Mean	601.7	432.3	315			396.5		329	365.5	394		2336	18684
	Max	601.7	460.1	441			482		409	383	405		9392	72958
Golden Gate	N	4	17	13	3			0	23	66	17	54	46	48
	Min	656.4	408.9	501.2	600				360	280	304	5.98	302	278
	Mean	708.1	702.3	782	11639				591.1	595.5	520.5	487.2	589	572.4
	Max	795.6	993.8	1117	33466				814	1018	679	990	818	843.5
Gordon Marine	N	1			5						3	36	33	36
	Min	50872			726.3						1281	506	629	568
	Mean	50872			20273						7260	16352	26771	25134
	Max	50872			40242						15610	54000	51646	52919
Gordon River Extension	N	1	4	3	1			0	22	39	3	3		
	Min	1169	880.6	513.9	950				557	217	844	808		
	Mean	1169	1161	831.5	950				783.5	804.7	887.7	922.3		
	Max	1169	1390	1127	950				981	1048	916	1066		
Haldeman Cr Lower	N				2						1	11	8	12
	Min				20765						2690	1240	42070	572.5
	Mean				34164						2690	20270	46968	34550
	Max				47563						2690	52800	51628	53851

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	N	36	34	30	36	35	33	36	36	36	36	36	36	27
	Min	296	357	240	227	225	193	211	305	338	261	200	174	228
	Mean	563.6	531.6	490.2	497	476.9	432.6	457.8	505	541.4	472.3	485.9	489.2	494.2
	Max	689.5	664	618	662.5	667	663.5	715	728.5	703.5	676	691	653.5	673.5
Faka Union South	N	60	55	52	58	53	42	47	49	44	46	48	49	36
	Min	427	336	364	324	376	440	423	451	542	314	580	458	616
	Mean	2161	896.8	1913	2073	3284	5023	3433	4273	1233	5435	4956	2109	6178
	Max	54197	8080	30252	26411	44112	41344	37508	63484	4585	50369	36560	12307	24893
Fakahatchee Strand	N	40	34	36	37	37	34	39	35	27	26	28	28	20
	Min	296	334	265.5	272.5	301	643	300.5	290	468	372	347	268	433
	Mean	8328	1360	5821	8909	8267	14452	10415	13258	3541	19184	11280	9166	13674
	Max	66091	8370	46610	39618	43613	57973	55607	71604	27797	62543	52177	47102	46780
Golden Gate	N	48	44	38	48	46	44	48	50	59	60	60	65	63
	Min	269	258	184.5	226	280	424	264	368	311	267	392	265	287
	Mean	549	497.3	529	502.3	560.3	652.8	620.4	648.7	542.3	554	609.9	541.6	579
	Max	786.5	784.5	821	837.5	783	919.5	970	884	815.7	789.5	836.5	852	813.5
Gordon Marine	N	36	32	32	36	36	33	36	35	29	24	24	23	18
	Min	504	537	537	530	493	1530	588	719.5	1254	949	1143	751	1390
	Mean	15492	10322	20730	14951	20369	34208	25649	29022	15250	22875	26417	27040	24704
	Max	47808	33200	47900	48991	50342	52991	54548	52830	47383	51119	50544	49842	51051
Gordon River Extension	N								3	12	12	13	15	18
	Min								1266	783	906	965.5	615	238
	Mean								7146	1638	1560	5359	8520	3470
	Max								18803	5641	3609	21065	20983	17762
Haldeman Cr Lower	N	12	11	11	12	12	11	12	14	17	12	12	12	9
	Min	554	2102	6368	755	2078	27380	12023	6263	22136	13385	16110	8080	10523
	Mean	28903	25901	34654	24467	29261	46518	39409	39078	36355	36449	42091	36634	35422
	Max	49636	44650	48342	48950	48913	52348	55340	49243	47883	49701	52494	49768	50302

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Haldeman Cr Upper	N	1	4	3	0			0	3	3	1	12	12	12
	Min	817	807.5	542.6					654	602	551	548	517	586
	Mean	817	970.5	696					721.7	660	551	970.4	732.4	734.8
	Max	817	1346	778.1					756	765	551	2710	812	838
Immokalee Basin	N													
	Min													
	Mean													
	Max													
Naples Bay	N	1	7	4	15				2		1	12	12	12
	Min	62481	25194	11533	590				20300		42000	1640	7923	10186
	Mean	62481	39364	28405	33141				25350		42000	34203	44317	41354
	Max	62481	59666	39385	50074				30400		42000	54200	54404	54518
Okaloacoochee Slough	N							1					3	12
	Min							710					658.5	284.5
	Mean							710					718.2	507.5
	Max							710					797	797
Rookery Bay Coastal	N	9	8	7	2			0	8	55	60			
	Min	62310	28134	29827	45987				658	1745	2030			
	Mean	63085	50161	43747	48075				34457	4142	3211			
	Max	63908	68488	52108	50164				55500	6200	5660			
Rookery Bay East	N	3	10	5	0		0	0	6	8	6	16	8	22
	Min	815.6	662.4	491.8					676	630	864	122	153	241
	Mean	2874	2804	931.6					873.3	1105	1279	11557	15074	17539
	Max	6957	9357	1111					1051	2600	2500	48200	48787	60964
Rookery Bay West	N	1	4	3	0			0	7	4	3	12	12	12
	Min	796.5	753	695.7					575	503	685	464	421	541
	Mean	796.5	3059	792.8					684.1	643	715.3	4018	1135	3103

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Haldeman Cr Upper	N	12	11	10	12	12	11	12	12	12	12	12	12	9
	Min	462	545	609	550.5	622	677	692	655	690	774	703	654	706
	Mean	1263	672.2	693.1	695.8	775.8	777.5	773	1445	912.4	1686	1485	852.9	783.6
	Max	6828	745	751	781	1201	895	875	4693	1522	7121	5169	1549	838
Immokalee Basin	N		18	9	18	9	9	18	12	9	3	1	4	2
	Min		186	219	58	270	190	139	340	221	297	297	329	297
	Mean		345.4	369	299.2	357	275.6	310.4	395	395.4	385.7	297	392	327
	Max		566	484	507	529	445	453	489	495	466	297	511	357
Naples Bay	N	12	11	11	12	12	11	12	9					
	Min	5474	5687	5530	15741	14394	41876	19854	36457					
	Mean	40067	32332	40346	36880	41973	51050	46382	49308					
	Max	51661	46700	51839	50631	52091	54375	56733	54516					
Okaloacoochee Slough	N	12	11	10	12	12	11	12	14	23	17	13	23	18
	Min	371	236	361	271	257	657	318	179	166	144	141	147	146
	Mean	479.4	386.9	560.2	468	479.4	771.5	683.7	435.6	286.7	413.7	330.1	302.1	350
	Max	692	575	663	768	699	898	905	908	521	790	640	626	703
Rookery Bay Coastal	N								2	5				
	Min								24380	3865				
	Mean								33330	17471				
	Max								42279	29319				
Rookery Bay East	N	24	22	20	23	24	22	24	22	17	12	12	12	9
	Min	125	363.5	432	358	178	852	235	638	789	471	411.5	437	611
	Mean	11910	8161	9704	8270	10905	18713	11610	13137	1162	941.4	917	915.2	986.2
	Max	49949	51179	38226	47618	51250	51376	44566	59817	1808	1180	1084	1158	1175
Rookery Bay West	N	8	12	10	12	12	11	12	10	12	12	12	12	9
	Min	182	425.5	497	477	633	751	616	635	694	531	640	604	627
	Mean	2212	815	691.2	1092	2130	4839	704.4	1401	789.8	714.6	1015	727.9	864.6

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Rookery Bay West	Max	796.5	9140	856.9					809	778	753	25900	3314	24400
Silver Strand	N	1	4	2										
	Min	620.7	529.5	332.2										
	Mean	620.7	595.5	374.8										
	Max	620.7	684.7	417.5										
Tamiami Canal	N	3	11	7	0			0	11	3	2		14	48
	Min	321.9	295.5	311					226	294	375		265	239
	Mean	483	2878	830					283.5	459.3	3888		372.9	356.9
	Max	692.6	24169	3071					435	581	7400		497	588
Ten Thousand Islands	N	2	24	16			0	0	8				6	24
	Min	48160	10626	6209					11620				635.5	303.5
	Mean	49818	38860	29516					27260				13723	21403
	Max	51475	65130	47351					38500				36922	60049

**Summary of Annual WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Rookery Bay West	Max	13105	2190	787	5446	17084	34744	798	6991	860	776.5	3753	863	1724
Silver Strand	N		7	7	8	10	11	9	12	12	13	9	12	7
	Min		202	256	191	248	245	199	217	209	193	146	163	327
	Mean		254	320.3	252.5	290.1	391	282	374.5	292.8	307.5	276.6	299.2	371.1
	Max		294	430	313	352	623	386	650	356	513	371	367	412
Tamiami Canal	N	51	44	40	55	52	50	54	44	36	34	36	36	27
	Min	233	204	190.5	216.5	231	247	187	224	207	197	274	216	257.5
	Mean	370.8	346.9	390.2	358	376.6	429.8	351	374.5	392.8	361.8	390	372.3	393.3
	Max	521	514	512	543	527	575	557	596	529	528	502.5	483	511
Ten Thousand Islands	N	24	23	20	23	23	21	24	24	24	24	25	24	18
	Min	364	315.5	362.5	355	359	3567	376.5	362	339	329	343	283.5	430
	Mean	13528	8368	16630	16120	17222	30438	20770	27468	12005	26015	22067	19654	27107
	Max	57158	31600	49893	50280	54577	55222	59096	61687	39767	58351	55246	51634	54358

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	0	0	0	0		0						0	4
	Min													1
	Mean													2.45
	Max													4.3
Camp Keais	N		0	0			0	0					0	8
	Min													1
	Mean													2.1
	Max													8
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	0	0	0	0	0		0	0	0	0	0	3	22
	Min												1.2	1
	Mean												2.267	2.127
	Max												3.2	8.6
Cocohatchee River	N	1	0	0	0				0	0	0	0	0	6
	Min	2												1
	Mean	2												1.817
	Max	2												2.6
Corkscrew Swamp	N									0	0	0		0
	Min													
	Mean													
	Max													
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					1	12
	Min												4.2	1
	Mean												4.2	2.125

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	4	4	3	4	4	2	3	4	4	4	4	4	3
	Min	1	1	0.3	0.3	0.42	0.71	0.57	0.15	0.58	0.75	1.35	0.75	0.75
	Mean	1.1	1.25	0.583	0.98	1.443	1.095	0.863	1.105	2.323	0.863	2.54	0.901	1.333
	Max	1.4	1.5	1.08	3	4.1	1.48	1.06	1.98	4.31	1.05	5.38	1.35	2.5
Camp Keais	N	7	8	6	7	7	3	7	9	11	9	5	8	5
	Min	1	1	0.3	0.17	0.15	0.15	0.37	0.15	0.15	0.15	0.75	0.75	0.75
	Mean	1.6	1.675	1.163	1.236	1.304	0.67	0.889	0.927	0.539	2.013	1.702	0.911	1.543
	Max	4.3	4.4	4.17	4.3	4	1.24	1.63	3.28	1.9	8.61	2.77	2.04	2.5
Cocohatchee GC Disch	N								1	4	4	3	4	3
	Min								0.15	0.15	0.67	0.75	0.75	0.75
	Mean								0.15	1.623	0.815	1.857	1.048	1.333
	Max								0.15	3.09	1.09	2.54	1.67	2.5
Cocohatchee Inland	N	16	24	22	25	28	21	27	29	36	36	36	36	27
	Min	1	1	0.3	0.3	0.15	0.15	0.43	0.15	0.15	0.15	0.75	0.75	0.75
	Mean	3.619	4.108	7.265	4.774	2.769	2.03	1.737	1.706	4.383	3.181	4.542	3.745	2.208
	Max	12.6	25.6	89.7	22	11	5.09	7.09	5.71	22.67	28.97	17.5	12.2	5.7
Cocohatchee River	N	6	8	7	7	8	8	8	7	4	4	4	4	3
	Min	1	1	0.3	0.45	2.25	1.82	1.04	0.26	1.02	0.75	1.79	2.09	2.5
	Mean	2.617	1.988	2.474	4.311	3.578	1.944	2.494	1.431	2.333	2.105	5.278	4.048	2.833
	Max	5.5	4.6	5.62	9.1	6.5	2.14	6.27	2.32	4.44	3.56	9.64	6.84	3
Corkscrew Swamp	N	4	4	4	4	4	2	2	0	5	3	3	2	3
	Min	1	1	0.3	0.3	0.28	0.74	0.54		0.15	0.16	0.92	0.75	0.75
	Mean	1	1	0.503	0.613	1.41	0.925	0.705		0.49	0.543	1.063	0.965	0.75
	Max	1	1	1.08	1.01	2.99	1.11	0.87		1.35	1.21	1.25	1.18	0.75
Cow Slough	N		11	5	5	7	3	7	6	4	3	1	2	1
	Min		1	0.52	1.19	0.53	0.71	1.1	0.15	1.27	0.75	4.63	0.75	2.48
	Mean		1.9	1.184	3.284	2.529	1.223	1.944	1.7	2.605	2.187	4.63	1.49	2.48
	Max		5	2.1	7.92	8.9	2.23	3.41	3.18	5.31	4.04	4.63	2.23	2.48
Faka Union North	N	11	12	8	11	10	5	12	12	12	12	12	12	9
	Min	1	1	0.3	0.22	0.25	0.15	0.15	0.15	0.15	0.15	0.75	0.75	0.75
	Mean	1.582	1.317	0.769	1.551	1.767	0.746	0.92	0.76	0.518	0.975	1.818	1.005	1.448

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max												4.2	7
Faka Union South	N	0	0	0	0		0	0	0	0	0		2	16
	Min												1.6	1
	Mean												1.95	1.313
	Max												2.3	4.2
Fakahatchee Strand	N	0	0	0	0	0	0	0	0	0	0		0	13
	Min													1
	Mean													1
	Max													1
Golden Gate	N	0	0	0	0			0	0	0	0	0	0	16
	Min													1
	Mean													1.044
	Max													1.5
Gordon Marine	N	0			0						0	0	2	12
	Min												1.1	1
	Mean												1.45	1.917
	Max												1.8	6.4
Gordon River Extension	N	0	0	0	0			0	0	1	0	0		
	Min									0.04				
	Mean									0.04				
	Max									0.04				
Haldeman Cr Lower	N				0						0	0	0	4
	Min													2.25
	Mean													5.438
	Max													11
Haldeman Cr Upper	N	0	0	0	0			0	0	0	0	0	0	3
	Min													6.2
	Mean													16.2
	Max													22.8
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	5.3	1.8	2.29	6.8	4	2.48	2.43	2.68	1.25	3.91	4.68	1.94	2.5
Faka Union South	N	17	20	15	16	17	9	10	14	14	16	16	16	12
	Min	1	1	0.3	0.15	0.15	0.15	0.4	0.15	0.15	0.15	0.75	0.75	0.75
	Mean	1.071	1.31	0.494	1.92	1.384	0.428	0.485	0.62	0.582	1.429	1.975	0.846	1.333
	Max	1.8	2.1	0.87	6.14	7.8	1.07	0.64	2.28	2.62	3.63	9.29	2.29	2.5
Fakahatchee Strand	N	13	13	10	10	12	4	7	11	9	8	8	9	7
	Min	1	1	0.3	0.15	0.15	0.15	0.19	0.15	0.15	0.71	0.75	0.75	0.75
	Mean	1.015	1.292	0.497	1.257	0.834	0.475	0.38	0.903	0.511	1.356	1.55	0.85	1.571
	Max	1.2	1.8	0.86	4.3	2.4	1.45	0.51	2.16	1.36	2.46	3.47	1.22	3
Golden Gate	N	14	16	10	13	13	9	16	15	19	20	20	21	21
	Min	1	1	0.3	0.15	0.15	0.15	0.28	0.15	0.15	0.15	0.75	0.75	0.75
	Mean	1.493	1.25	0.638	1.432	1.116	0.613	0.619	0.714	0.401	1.166	2.053	0.861	1.353
	Max	4.9	1.5	1.04	4.77	3.9	0.93	1.07	2.31	0.76	7.01	6.55	2.41	2.5
Gordon Marine	N	9	12	6	6	9	11	10	10	8	8	8	7	6
	Min	1	1	0.93	0.3	1.09	1.66	0.89	1.13	0.81	1.39	2.78	1.1	0.75
	Mean	2.567	1.7	1.31	1.793	3.007	2.911	2.476	2.592	2.004	3.594	4.291	2.92	2.721
	Max	5.3	4	1.66	2.9	5.63	4.63	4.1	5.06	3.96	6.01	6.58	4.81	4.925
Gordon River Extension	N								1	4	4	4	5	6
	Min								0.15	2.94	1.31	3.18	1.09	0.75
	Mean								0.15	5.208	38.01	3.788	2.178	1.66
	Max								0.15	8.13	140.1	4.68	3.89	2.5
Haldeman Cr Lower	N	3	4	4	3	3	4	4	3	4	4	4	4	3
	Min	8.4	8	5.22	5.32	7.49	3.43	4.4	4.56	4.95	3.79	3.79	3.65	5.2
	Mean	10.07	10.43	8.205	6.847	7.647	6.675	7.475	7.603	9.323	7.103	7.003	7.745	5.452
	Max	11.4	16.9	12.64	8.2	7.9	10.78	10.67	10.8	14.86	11.19	9.85	13.6	5.805
Haldeman Cr Upper	N	3	4	1	4	3	3	4	4	4	4	4	4	3
	Min	7.5	9.2	9.22	6.17	12.5	9.58	8.66	9.63	16.97	6.54	10.74	8.79	5.335
	Mean	13.43	12.93	9.22	12.45	13.43	11.43	29.14	14.3	30.11	27.44	18.04	9.328	7.193
	Max	18	19.1	9.22	17.41	13.97	13.4	80.04	22.68	63.28	75.73	24.4	10.1	9
Immokalee Basin	N		21	8	14	9	9	18	12	4	1	1	2	0
	Min		1	0.3	0.15	0.17	0.31	0.47	0.19	0.15	0.75	3.29	0.75	

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	0	0	0				0		0	0	1	4
	Min	0.5											1.6	1
	Mean	0.5											1.6	2.425
	Max	0.5											1.6	4
Okaloacoochee Slough	N						0						1	4
	Min												1.5	1
	Mean												1.5	1.25
	Max												1.5	2
Rookery Bay Coastal	N	1	0	0	0			0	0	0	0			
	Min	2												
	Mean	2												
	Max	2												
Rookery Bay East	N	0	0	0	0		0	0	0	0	0	0	0	8
	Min													1
	Mean													1.213
	Max													2.7
Rookery Bay West	N	0	0	0	0			0	0	0	0	0	1	4
	Min												1.9	1
	Mean												1.9	1.625
	Max												1.9	2.5
Silver Strand	N	0	0	0										
	Min													
	Mean													
	Max													
Tamiami Canal	N	0	0	0	0			0	0	0	0		5	15
	Min												1	1
	Mean												1	1
	Max												1	1
Ten Thousand Islands	N	3	0	0			0	0	0				1	7

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		1.652	1.18	2.337	1.223	2.01	2.257	2.086	0.408	0.75	3.29	0.75	
	Max		3.7	3.04	9.37	3.9	3.44	5.62	4.96	0.82	0.75	3.29	0.75	
Naples Bay	N	3	4	2	3	3	4	4	3					
	Min	1	1.9	4.23	2.76	2.4	2.99	2.28	3.25					
	Mean	5.733	2.175	5.01	3.353	3.943	4.148	3.268	3.823					
	Max	9.6	2.7	5.79	3.7	4.86	4.99	3.71	4.42					
Okaloacoochee Slough	N	4	4	2	4	4	2	4	5	7	5	4	8	6
	Min	1	1	1.81	0.15	0.15	0.15	0.3	0.15	0.15	0.15	2.43	0.75	0.75
	Mean	1.025	1.25	2.055	1.38	1.245	0.58	0.823	0.632	0.243	0.88	3.43	0.75	1.333
	Max	1.1	1.5	2.3	2.87	4	1.01	1.59	2.33	0.8	2.26	4.03	0.75	2.5
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	8	8	4	5	6	4	8	5	4	4	4	4	3
	Min	1	1	0.3	0.3	0.35	0.39	0.33	0.15	0.15	0.75	0.75	0.75	0.75
	Mean	1.15	1.263	0.68	1.356	0.727	0.843	0.784	1.122	0.255	1.23	1.52	0.88	1.333
	Max	1.9	1.5	1.29	3.5	1.52	1.36	1.38	2.85	0.52	1.84	2.29	1.27	2.5
Rookery Bay West	N	3	4	1	3	3	3	4	3	4	4	4	4	3
	Min	1	1	2.37	0.3	1.13	1.42	4.32	1.7	0.49	1.04	1.34	1.03	1.11
	Mean	2.333	2.775	2.37	22.76	2.713	1.883	9.798	2.76	2.403	2.713	2.628	3.853	5.26
	Max	4.1	3.6	2.37	54	4.91	2.36	15.15	4.42	5.01	6.07	4.93	6.69	13.2
Silver Strand	N		8	6	7	10	12	9	10	4	4	3	4	3
	Min		1.9	3.04	1.2	2.23	2.08	2.16	1.37	2.81	1.9	3.14	4.42	3.11
	Mean		5.438	5.208	7.814	4.588	4.739	5.739	3.638	5.568	3.45	6.597	5.318	3.747
	Max		15.1	8.69	19.07	6.4	6.72	13.43	4.98	9.95	5.38	9.47	6.4	4.8
Tamiami Canal	N	19	19	15	15	13	5	15	11	12	12	12	12	9
	Min	1	1	0.3	0.15	0.15	0.29	0.15	0.15	0.15	0.35	0.75	0.75	0.75
	Mean	1.247	1.295	0.502	1.19	1.117	0.602	0.307	0.429	0.444	1.537	1.437	0.779	1.333
	Max	5.3	2.1	2.66	3.7	2.4	1.15	1.03	0.69	1.6	3.99	4.34	1.1	2.5
Ten Thousand Islands	N	7	8	6	7	7	6	7	7	8	8	8	8	6

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Copper (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	1	1	0.3	0.29	0.51	0.15	0.45	0.15	0.15	0.75	0.75	0.75	0.75
	Mean	1.114	1.275	1.122	2.417	1.386	1.278	0.92	2.636	0.713	2.384	3.95	1.348	2.246
	Max	1.6	1.5	3.52	5.13	2.4	2.65	1.82	9.74	2	5.5	11.8	3.14	4.07

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						2	8
	Min	3.2	2.8	1.8	2.6		1.45						3.055	1.755
	Mean	3.2	5.55	2.767	2.6		1.7						3.268	4.059
	Max	3.2	6.8	3.7	2.6		1.95						3.48	5.64
Camp Keais	N		6	16			2	6					5	19
	Min		1.1	0.7			2.4	2.1					2.42	1.51
	Mean		1.55	3.644			3.95	3.172					3.602	4.333
	Max		2.2	22			5.5	5.2					5	10.12
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	12	1		1	4	11	29	70	63	62
	Min	1.2	0.4	0.3	0.85	3.2		5	4.5	1.4	0.1	1	0.4	1.35
	Mean	3.257	4.614	4.397	3.975	3.2		5	6.125	4.873	5	5.201	6.378	6.456
	Max	6.5	11.8	8.6	9.1	3.2		5	8.6	9.9	12	12.8	11.27	11.21
Cocohatchee River	N	1	10	8	1				4	1	5	24	24	21
	Min	6	3.2	3.7	5				4.8	4	2.2	2.1	2.58	4.19
	Mean	6	4.93	5.763	5				5.45	4	4.35	4.381	4.665	5.895
	Max	6	6.7	8.8	5				7.2	4	5.8	10.2	7.2	12.67
Corkscrew Swamp	N									4	16	12		8
	Min									0.9	0.2	0.26		0.69
	Mean									3.65	3.447	2.149		2.506
	Max									9.3	11	6.5		6.05
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	6					7	29
	Min						5.3	3.3					3.595	2.465
	Mean						6.2	4.925					6.539	6.058

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	12	12	10	7	10	14	16	12	12	12	8
	Min	1.54	0.84	1.19	0.715	1.07	1.09	0.31	1.22	1.12	1.1	1	0.89	0.93
	Mean	3.13	2.113	2.707	2.373	2.173	2.529	2.26	2.841	3.014	3.227	4.513	2.734	2.318
	Max	7.15	4.03	5.06	6.15	3.12	4.78	6.94	6.61	7.63	5.39	8.13	5.78	3.97
Camp Keais	N	23	22	24	24	23	21	21	22	32	24	15	24	17
	Min	0.68	0.33	0.37	0.84	0.57	0.86	0.75	0.48	0.47	0.39	0.35	0.25	0.52
	Mean	3.012	2.398	2.266	2.761	2.64	3.535	2.272	2.654	2.636	2.045	1.46	1.362	2.109
	Max	6.175	5.055	5.58	6.15	5.92	8.495	5.93	5.8	5.78	5.755	2.615	3.34	3.52
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								3.19	2.86	2.53	2.88	2.27	3.75
	Mean								3.467	4.93	5.701	6.556	3.164	6.91
	Max								3.65	7.64	8.54	11.66	4.7	11.62
Cocohatchee Inland	N	64	66	72	78	81	70	72	78	108	108	108	109	81
	Min	0.54	0.825	1.495	1.645	0.4	0.39	1.08	1.44	0.71	0.31	0.65	0.82	0.735
	Mean	4.861	4.159	5.42	5.501	6.021	5.661	5.498	5.607	6.279	5.818	5.459	5.563	5.824
	Max	9.96	13.47	13.83	15.92	12.77	9.46	11.47	9.28	14.05	11.62	15.05	10.32	9.75
Cocohatchee River	N	22	24	24	24	22	20	22	19	12	12	12	12	9
	Min	0.42	1.75	2.2	1.55	3.48	1.24	1.18	1.4	2.06	1.52	2.42	2.84	2.31
	Mean	4.864	3.899	5.915	5.642	5.606	3.97	4.208	3.908	4.343	4.037	4.13	3.914	4.022
	Max	8.65	6.41	16.74	12.32	10.04	6.3	8.38	6.14	6.44	5.54	6.87	5.77	6.69
Corkscrew Swamp	N	13	16	16	16	12	9	11	11	16	8	10	10	9
	Min	0.25	0.36	0.23	0.21	1.06	0.43	0.08	2.07	0.21	0.47	0.89	0.18	0.8
	Mean	2.475	2.501	2.081	2.764	2.436	2.712	2.325	4.025	4.195	1.853	3.118	2.312	2.677
	Max	6.53	8.36	5.7	7.24	7.09	6.49	5.06	6.86	9.7	4.42	6.415	5.27	6.11
Cow Slough	N		11	6	7	8	4	7	9	12	9	2	8	4
	Min		0.84	1.84	2.2	2.38	3.42	1.805	1.12	3.23	0.93	1.89	0.97	0.93
	Mean		4.381	4.033	4.847	5.799	5.633	3.068	3.941	5.702	2.553	2.365	2.151	2.75
	Max		8.84	7.39	7.35	8.52	8.56	4.65	6.31	9.36	5.77	2.84	2.79	3.81
Faka Union North	N	35	34	36	36	36	33	35	35	36	36	36	36	27
	Min	1.755	1.73	0.775	1.335	1.5	2.88	0.3	4.02	1.35	0.8	0.495	1.53	0.975
	Mean	5.443	4.344	5.344	5.366	5.532	6.853	5.603	7.191	6.239	5.821	5.358	5.992	5.848

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						7.1	6.6					7.91	12.82
Faka Union South	N	1	4	3	1		1	4	4	4	2		10	58
	Min	8.6	4.1	3.2	13		6.3	3.633	3.6	3.2	7		3.47	2.07
	Mean	8.6	8.025	5.967	13		6.3	5.533	6	4.4	7.1		6.864	6.558
	Max	8.6	10.7	7.8	13		6.3	6.7	8.1	5.6	7.2		9.36	12.61
Fakahatchee Strand	N	1	6	12	1	1	17	4	4	4	2		6	35
	Min	2.7	0.45	0.5	5.3	0.55	0.25	2.1	1	0.6	1.4		2.91	0.83
	Mean	2.7	3.642	3.225	5.3	0.55	3.618	3.658	2.35	1.825	2.425		3.393	4.221
	Max	2.7	9.6	8	5.3	0.55	9.6	6	4.8	4.1	3.45		4.065	9.78
Golden Gate	N	4	18	20	27			1	23	65	16	54	44	38
	Min	5.1	4.4	2.1	1.3			6.2	1.6	0.5	1.2	2	1.63	1.32
	Mean	6.625	6.861	5.998	5.998			6.2	5.939	5.284	4.775	5.631	5.908	5.906
	Max	8.3	9.1	9.8	12.6			6.2	8.8	15.8	10.5	9.8	9.45	9.275
Gordon Marine	N	1			6						3	36	30	31
	Min	2.8			4.9						2	0.75	0.27	0.93
	Mean	2.8			6.033						4.167	4.271	4.154	4.054
	Max	2.8			6.85						5.5	8.1	8.1	7.44
Gordon River Extension	N	1	4	6	9			1	23	37	3	3		
	Min	3.3	1.5	1.5	2.25			4.9	1.4	0.8	0.6	0.8		
	Mean	3.3	2.05	2.867	3.253			4.9	5.191	5.889	2.467	3.133		
	Max	3.3	2.5	3.9	4.1			4.9	12.2	13.8	5.7	5.4		
Haldeman Cr Lower	N				5						1	11	7	11
	Min				3.1						2	2.7	2.04	2.645
	Mean				5.09						2	3.883	3.769	4.157
	Max				6.35						2	5.7	5.7	5.783
Haldeman Cr Upper	N	1	4	4	3			1	4	3	1	12	11	8
	Min	6.1	3.1	4.8	3.6			7.5	5.2	6.5	8.5	5.83	4.16	4.61
	Mean	6.1	6.175	7.2	5.967			7.5	7.8	7.2	8.5	6.888	6.034	7.176
	Max	6.1	10.8	9.6	8.2			7.5	9.2	8.3	8.5	9.1	9	11.28
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	9.27	7.665	9.63	11.27	12.28	9.865	14.08	10.58	11.65	9.61	10.05	9.73	10.06
Faka Union South	N	57	60	59	59	47	44	45	46	44	46	48	49	36
	Min	1.7	1.31	1.17	0.51	1.04	0.24	0.22	1.34	1.65	0.75	0.73	0.35	1.4
	Mean	6.693	5.384	5.942	5.616	5.891	7.176	5.439	7.293	5.904	5.574	6.263	5.653	5.87
	Max	12.88	9.84	12.13	12.33	10.17	12.17	12.15	17.57	9.73	11.09	11.25	12.18	9.47
Fakahatchee Strand	N	34	39	40	40	34	34	36	30	27	26	28	28	20
	Min	0.54	0.56	0.24	0.3	0.62	1.29	0.11	0.795	1.2	1.16	0.12	0.31	0.93
	Mean	3.316	3.511	3.638	2.961	4.021	4.341	3.146	3.936	4.293	4.213	3.365	3.125	3.658
	Max	10.16	8.8	9.54	7.21	12.77	8.58	6.33	10.69	8.965	13.73	9.97	7.98	15.1
Golden Gate	N	45	45	47	48	46	43	47	47	59	60	60	65	63
	Min	1.88	1.17	1.24	1.06	1.83	2.17	1.605	2.17	2.14	0.93	1.18	1.58	1.7
	Mean	5.265	4.653	4.952	5.135	5.276	5.982	5.232	5.843	5.226	5.376	5.946	5.513	6.011
	Max	9.285	7.95	8.56	9.5	8.79	11.97	11.79	9.38	9.575	10.28	9.13	10.57	12.27
Gordon Marine	N	34	32	32	36	33	33	36	35	29	24	24	23	18
	Min	1.1	1.48	0.64	0.43	0.17	1	0.96	0.95	1.7	1.05	1.05	0.81	1.64
	Mean	4.916	4.079	4.015	3.827	4.534	3.975	4.027	4.173	4.833	4.391	3.8	3.833	3.723
	Max	14.32	8.46	7.27	7.09	7.19	6.72	7.53	6.58	7.86	9.03	7.35	7.05	6.95
Gordon River Extension	N								3	12	12	13	15	18
	Min								1.345	0.89	0.835	0.745	0.64	1.21
	Mean								1.62	2.617	1.625	2.367	1.692	3.269
	Max								2.17	4.46	2.52	5.97	2.48	6.73
Haldeman Cr Lower	N	12	11	10	12	11	11	12	14	17	12	12	12	9
	Min	3.29	1.5	1.98	3.035	1.78	2.375	2.04	3.09	1.755	1.925	1.485	2.21	2.96
	Mean	4.563	3.315	3.327	3.817	3.791	4.064	3.508	4.197	4.894	3.613	3.78	4.058	4.343
	Max	7.8	5.86	4.985	4.77	6.22	5.55	5.43	5.565	11.2	6.39	6.115	6.735	6.12
Haldeman Cr Upper	N	11	12	12	12	12	11	11	11	12	12	12	12	9
	Min	4.09	3.44	3.22	4.14	3.07	3.375	3.22	3.91	2.39	2.36	2.54	2.94	3.26
	Mean	6.745	5.638	5.07	6.213	6.643	5.815	5.595	6.322	7.13	6.697	4.702	4.853	5.997
	Max	8.86	7.19	7.49	8.85	9.2	8.91	8.78	9.54	10.97	12.29	6.83	7.11	7.52
Immokalee Basin	N		21	9	18	9	9	18	12	9	3	1	4	2
	Min		0.28	0.04	0.27	0.28	0.68	0.18	1.11	0.54	0.71	1.84	0.49	0.58

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	21				4		1	12	11	10
	Min	5.845	4.65	4.5	1.32				3.7		5.3	4.41	4.27	3.8
	Mean	5.845	5.788	6.546	6.461				5.075		5.3	5.653	5.922	5.545
	Max	5.845	7.8	8.9	10.8				7.8		5.3	7	7.29	7.685
Okaloacoochee Slough	N						3						3	8
	Min						2.05						3.605	1.095
	Mean						2.35						3.81	4.249
	Max						2.55						4.05	6.265
Rookery Bay Coastal	N	9	10	7	2			11	15	53	58			
	Min	4.34	3.6	3.79	4.4			0.75	2.3	0.1	0.1			
	Mean	4.884	5.749	4.876	5.475			5.03	4.527	2.241	2.595			
	Max	5.49	9.5	6.32	6.55			7.4	6.4	6.2	6.2			
Rookery Bay East	N	3	11	5	1		5	18	8	7	5	17	7	14
	Min	5.8	3.3	3.8	6.925		3.8	0.2	1.6	4.9	4.3	1.5	2.56	1.18
	Mean	7.367	5.845	5.58	6.925		5.57	4.82	4.213	6.143	7	4.989	4.686	4.165
	Max	8.8	8	7.3	6.925		7.1	12	7.6	7.8	9.8	9	7.38	6.77
Rookery Bay West	N	1	4	3	2			3	10	4	3	12	11	8
	Min	7.8	4.2	3.1	3.8			2.1	0.4	5	3.5	2.8	4.06	3.78
	Mean	7.8	6.425	5.7	4.7			4.317	3.695	5.3	5.3	5.224	5.983	5.504
	Max	7.8	9.1	7.2	5.6			6.9	8.5	5.7	7.3	7.4	9.3	7.49
Silver Strand	N	1	4	3										
	Min	1.5	0.5	1.6										
	Mean	1.5	0.963	1.99										
	Max	1.5	1.55	2.77										
Tamiami Canal	N	3	12	8	1			5	16	3	2		14	40
	Min	2.1	1.5	1.6	2.55			1.4	1.7	1.7	3.25		1.9	1.715
	Mean	4.033	3.35	3.288	2.55			3.98	4.375	2.367	4.425		3.219	4.209
	Max	7.5	8.6	6.2	2.55			6.4	10.8	3	5.6		4.83	8.19
Ten Thousand Islands	N	6	32	20			22	6	15				5	22

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		3.863	1.896	3.766	2.767	4.701	3.51	4.533	2.447	1.273	1.84	0.93	0.755
	Max		10.24	7.52	11.21	7.92	8.49	6.61	8.14	3.85	1.92	1.84	1.14	0.93
Naples Bay	N	12	11	10	12	11	11	12	9					
	Min	3.56	1.6	1.3	2.62	2.995	3.51	3.235	3.74					
	Mean	5.34	4.742	5.3	4.816	5.449	5.373	5.056	5.114					
	Max	8.97	7.45	7.92	7.42	7.33	6.305	6.895	6.56					
Okaloacoochee Slough	N	12	12	11	12	10	11	12	14	23	17	13	23	18
	Min	0.46	0.36	0.12	0.295	1.01	1.03	0.2	0.48	0.46	0.27	0.61	0.21	0.78
	Mean	2.813	1.351	2.325	2.383	2.474	3.126	2.387	3.072	3.919	3.83	3.481	2.467	2.888
	Max	8.6	3.87	5.43	5.64	5.59	4.67	6.05	7.47	10.05	8.24	8.78	7.25	7.21
Rookery Bay Coastal	N								2	4				
	Min								4.48	3.38				
	Mean								4.515	6.29				
	Max								4.55	13.4				
Rookery Bay East	N	24	24	24	23	22	20	24	23	16	12	12	12	9
	Min	2.3	0.63	1.58	2.045	1.51	1.54	1.34	1.57	2.34	1.825	1.055	1.895	2.35
	Mean	5.637	4.612	4.868	4.824	5.48	5.512	5.305	5.093	6.358	6.417	7.259	7.11	7.138
	Max	10.02	7.98	8.53	8.82	9.7	10.88	11.42	9.97	12.27	10.68	10.45	10.61	12.58
Rookery Bay West	N	7	12	12	12	12	11	11	9	12	12	12	12	9
	Min	3.83	2.44	1.41	1.86	1.77	1.93	2.21	5.56	4.46	3.38	2.055	3.17	4.23
	Mean	5.913	4.194	3.833	4.023	4.222	4.976	5.923	7.952	7.538	5.931	5.64	6.35	6.414
	Max	8.83	5.47	6.41	7.67	8.7	7.73	9.02	9.91	12.79	8.45	9.015	9.6	8.66
Silver Strand	N		8	6	8	9	11	9	12	12	13	9	12	7
	Min		2.55	1.92	2.12	1.83	2.59	2.12	2.58	2.7	1.62	1.54	2.9	1.84
	Mean		4.029	5.008	4.463	4.091	5.059	3.66	4.039	5.711	3.784	5.3	4.666	3.861
	Max		5.72	8.89	8.09	6.81	7.99	4.92	6.56	10.02	5.77	9.43	7.82	5.56
Tamiami Canal	N	47	53	50	55	50	47	58	44	36	34	36	36	27
	Min	1.32	1.32	1.3	1.19	1.55	1.56	1.37	1.76	1.45	1.18	1.34	1.27	1.57
	Mean	3.252	3.644	3.375	3.856	3.22	3.645	3.667	4.187	3.336	3.279	3.039	2.708	3.189
	Max	6.87	10.36	7.785	10.52	5.905	8	8	9.14	7.93	9.19	7.24	4.88	8.41
Ten Thousand Islands	N	23	24	23	24	22	22	21	22	24	24	25	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	3.4	1.8	2			1.3	4.3	0.1				3.93	3.115
	Mean	4.892	4.655	4.855			4.276	5.825	4.027				4.901	5.224
	Max	6.9	6.9	7.6			7.1	7.6	6.4				5.91	8.735

**Summary of Annual WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	2.05	1.4	2.22	2.25	1.865	1.18	1.905	3.035	2.225	2.255	1.775	1.91	2.46
	Mean	5.542	4.673	4.664	4.333	4.743	4.119	3.723	4.968	4.747	4.266	4.398	3.87	4.275
	Max	11.87	7.785	8.095	7.895	8.055	6.085	5.95	7.7	7.61	6.6	7.65	6.16	7.61

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	3	0	0		0						3	12
	Min	4	5										23	2
	Mean	4	84.67										27.67	35.75
	Max	4	240										37	134
Camp Keais	N		4	13			0	0					6	24
	Min		1	3									7	1
	Mean		12	48.23									32.5	28.04
	Max		26	110									80	86
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	2	20	0	0	0		1	4	1	6	70	63	66
	Min	23	2					32	10	600	30	3	3	1
	Mean	33	302					32	1655	600	82.33	111.6	68.92	74.17
	Max	43	1500					32	6400	600	153	735	560	600
Cocohatchee River	N	1	6	0	0				0	0	2	24	24	23
	Min	4	3								25	12	18	2
	Mean	4	33.67								204	280.9	129.3	113.4
	Max	4	70								383	1000	520	460
Corkscrew Swamp	N									0	4	12		8
	Min										84	1		6
	Mean										104	112.4		88.75
	Max										123	600		470
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					9	36
	Min												1	1
	Mean												11.11	17.58

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	11	12	12	7	10	12	12	12	12	12	8
	Min	13	7	6	4	4	1	1	1	4	10	3	6	12
	Mean	109.7	27.42	21.82	22.25	34.08	248.4	23.4	24.29	92.25	69.58	28.33	78.5	34
	Max	870	67	56	42	64	1524	84	73	380	260	80	600	84
Camp Keais	N	21	23	22	24	23	21	21	23	32	24	15	24	17
	Min	7	1	2	1	1	1	1	1	1	6	5	1	1
	Mean	74.48	41.65	40.32	66.5	54.09	117.4	50.67	21.25	49.28	123	125.7	61.92	46.12
	Max	440	153	210	520	330	1388	236	69.75	360	470	881	470	220
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								26	1	42	20	58	73
	Mean								52	131.2	374.2	106.4	224.3	231.7
	Max								91	880	1267	280	560	960
Cocohatchee Inland	N	64	62	65	78	84	72	72	84	108	107	108	109	81
	Min	1	1	1	1	1	1	1	1	1	1	1	3	1
	Mean	117.4	59.74	50.87	76.67	72.88	57.31	49.19	34.78	97.29	170.9	196.8	247.1	227.6
	Max	1090	258	460	460	570	440	490	457.5	1510	1160	3000	4000	2600
Cocohatchee River	N	23	22	24	24	23	22	22	21	12	12	12	12	9
	Min	10	4	2	2	1	1	1	2	42	12	22	7	20
	Mean	221	138.5	59.42	141.8	73.83	98.82	48.82	48.32	174	238.8	158.1	145.7	308.7
	Max	740	960	290	960	410	416	173	158	340	700	510	410	1500
Corkscrew Swamp	N	13	16	16	16	12	9	11	11	16	8	10	10	9
	Min	4	4	9	3	3	23	1	16	3	22	4	20	12
	Mean	88.38	87.44	121.3	46.69	139.5	175.8	46	134.7	136.1	250.8	119.3	118.2	62.44
	Max	390	660	600	197	600	520	143	470	980	720	310	270	120
Cow Slough	N		0	0	0	0	0	0	3	12	9	2	8	4
	Min								39	84	1	387	30	200
	Mean								103	2003	352.1	593.5	1103	505
	Max								200	16250	1550	800	4000	1160
Faka Union North	N	35	34	33	36	36	33	36	36	36	36	36	36	27
	Min	1	1	2	1	1	1	1	1	1	1	1	1	1
	Mean	17.09	27.35	27.06	23.06	22.75	48.64	22.92	19.05	174.3	24.86	17.19	58.61	51.63

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max												29	106
Faka Union South	N	1	2	0	0		0	1	4	1	0		15	58
	Min	15	4					23	4	38			2	1
	Mean	15	5.5					23	32.25	38			19.07	40.45
	Max	15	7					23	58	38			70	420
Fakahatchee Strand	N	1	3	0	0	0	0	1	3	1	0		9	35
	Min	9	9					65	9	65			13	1
	Mean	9	33.67					65	46.33	65			43.56	24
	Max	9	49					65	70	65			93	160
Golden Gate	N	3	11	0	0			1	21	1	6	54	44	48
	Min	9	2					46	7	21	11	1	3	1
	Mean	25	1031					46	64.19	21	59.83	112.4	66.18	50.85
	Max	43	11000					46	440	21	157	1000	450	310
Gordon Marine	N	1			0						3	36	33	36
	Min	23									123	5	26	3
	Mean	23									571	208.5	163.5	220.5
	Max	23									890	2000	710	3200
Gordon River Extension	N	0	3	0	0			1	23	36	1	3		
	Min		49					83	10	4	270	29		
	Mean		176.3					83	365.3	812.1	270	146.3		
	Max		240					83	4480	7200	270	268		
Haldeman Cr Lower	N				0						1	11	8	12
	Min										550	13	54	19
	Mean										550	629.5	231.5	338.8
	Max										550	1000	460	1020
Haldeman Cr Upper	N	1	3	0	0			0	1	0	1	12	12	12
	Min	4	5						35		170	47	30	7
	Mean	4	169.3						35		170	212.1	194.8	81.33
	Max	4	460						35		170	1030	570	260
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	119	143	200	210	251	836	340	210	4550	250	109	600	600
Faka Union South	N	60	60	57	59	53	44	48	48	44	46	48	49	36
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Mean	65.12	68.83	30.16	28.88	23.06	24.73	24.25	27.59	47.48	53.5	35.42	25.14	31.5
	Max	1280	650	320	420	248	260	115	241.5	480	720	480	520	180
Fakahatchee Strand	N	39	34	37	40	36	34	39	34	27	26	28	28	20
	Min	3	3	9	1	4	6	1	1	1	1	1	4	5
	Mean	97.92	67.24	43.81	43.13	61.39	63.38	32.95	40.62	98.78	128.9	110.5	125.7	76.55
	Max	1050	570	297	240	600	390	200	190	400	700	1560	2000	540
Golden Gate	N	44	43	45	48	45	44	46	48	59	59	60	65	63
	Min	1	2	1	1	1	1	1	1	1	8	1	3	1
	Mean	45.8	23.44	29.84	40.33	47.24	37.39	27.98	43.32	58.41	68.86	44.02	120.4	79.37
	Max	840	85	108	420	350	330	173	1173	680	390	400	4000	2000
Gordon Marine	N	36	33	35	36	36	33	33	33	24	24	24	23	18
	Min	4	16	4	4	1	1	1	3	3	32	19	10	36
	Mean	298.7	100.4	90.09	75.33	98.67	92.58	84.27	105.8	155.4	216.4	135	396.9	201.4
	Max	3070	630	380	300	430	470	623	1043	580	920	380	2000	520
Gordon River Extension	N								3	12	12	13	15	18
	Min								1	1	18	14	15	18
	Mean								65.33	215.8	780.8	273.2	527.6	434.9
	Max								107	980	4300	2000	4000	2000
Haldeman Cr Lower	N	12	9	12	12	11	11	11	12	12	12	12	12	9
	Min	23	105	20	21	48	1	1	70	42	27	42	27	90
	Mean	637.1	637.6	271	392.7	292	219.8	148.5	171.1	381.6	1021	369.1	326.7	574
	Max	3627	3400	550	2480	570	670	380	560	1400	6400	900	560	1300
Haldeman Cr Upper	N	11	11	12	12	11	11	12	12	12	12	12	12	9
	Min	28	17	13	20	28	22	7	12	12	10	1	23	9
	Mean	189.5	95.82	113.4	143.8	64.73	112.4	75.33	53.02	357.9	901	196.4	355	356.6
	Max	980	195	370	440	148	403	200	158	2350	6300	600	2000	2000
Immokalee Basin	N		0	0	0	0	0	0	1	9	3	1	4	2
	Min								18	2	7	373	20	77

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	6	0	1				2		1	12	12	12
	Min	1.5	1.5		80				2		160	2	10	1
	Mean	1.5	67.75		80				8		160	297.2	113.4	100.7
	Max	1.5	350		80				14		160	2000	420	740
Okaloacoochee Slough	N						0						3	12
	Min												47	1
	Mean												78.67	71.08
	Max												130	180
Rookery Bay Coastal	N	2	6	0	0			0	1	63	60			
	Min	1.5	1.5						4	4	7			
	Mean	1.5	44.25						4	392.2	243.7			
	Max	1.5	240						4	2600	4000			
Rookery Bay East	N	3	8	0	0		0	2	8	2	2	16	6	21
	Min	4	1					26	5	18	37	2	4	2
	Mean	7.667	801.6					45.5	461.9	324	49.5	68.25	15.5	63.95
	Max	15	5400					65	3000	630	62	340	36	270
Rookery Bay West	N	1	3	0	0			1	4	1	1	12	12	12
	Min	43	21					140	43	2100	430	40	19	11
	Mean	43	1694					140	174.5	2100	430	223.4	121.4	120.8
	Max	43	4600					140	460	2100	430	880	520	510
Silver Strand	N	1	3	0										
	Min	7	15											
	Mean	7	67.33											
	Max	7	94											
Tamiami Canal	N	3	8	0	0			1	4	0	0		14	46
	Min	23	9					220	27				11	6
	Mean	100.7	36.25					220	48				58.14	81.15
	Max	240	110					220	82				110	600
Ten Thousand Islands	N	6	21	0			0	0	0				6	23

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean								18	123.7	43.67	373	62.5	108.5
	Max								18	500	78	373	127	140
Naples Bay	N	12	9	12	12	12	11	11	8					
	Min	1	10	3	1	4	1	1	1					
	Mean	136	61.56	32.08	47.33	41.75	24.27	21.55	20.81					
	Max	600	158	95	195	100	58	95	59					
Okaloacoochee Slough	N	10	11	9	12	12	11	12	14	23	17	12	23	18
	Min	11	7	16	9	3	11	1	1	7	31	1	8	12
	Mean	29.7	244.7	50.22	30.75	66.83	65.18	48.67	48.84	164.9	1057	60.83	74.17	353.7
	Max	82	2280	88	50	360	220	143	222.8	860	9600	130	320	2000
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	22	20	24	23	22	22	24	20	12	12	12	12	9
	Min	1	1	1	1	1	1	1	1	1	2	1	1	1
	Mean	73.36	80.25	57.21	72.35	36.5	34.55	57.54	59.29	23.42	72.5	28.33	27.92	28.67
	Max	390	460	310	480	230	340	380	756.8	79	320	117	180	99
Rookery Bay West	N	7	10	12	12	11	11	12	10	12	12	12	12	9
	Min	11	24	10	1	16	7	22	1	2	8	1	5	10
	Mean	143.7	133.5	44.42	46.08	55	97.55	76.83	73.93	63.5	385.4	36.75	368.1	153.8
	Max	390	700	117	165	101	240	208	320	420	3600	127	4000	570
Silver Strand	N		0	0	0	0	0	0	3	12	13	8	12	7
	Min								11	4	10	18	6	74
	Mean								23	150.8	154.8	377.4	956.1	216.9
	Max								40	400	580	2200	6000	440
Tamiami Canal	N	53	56	49	55	52	51	59	41	36	34	36	36	27
	Min	12	3	1	1	2	1	1	2	1	7	7	10	10
	Mean	94.66	67.29	53.2	66.51	51.73	64.67	71.93	57.99	124.9	149.3	113.6	78.75	104.2
	Max	740	193	310	360	133	450	320	490.5	1129	540	720	280	320
Ten Thousand Islands	N	24	22	23	23	24	22	24	23	24	24	25	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	1.5	1										3	1
	Mean	1.5	50.74										25.83	47.13
	Max	1.5	920										82	490

**Summary of Annual WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	1	1	1	1	1	1	1	1	1	1	3	5	8
	Mean	35.54	27.09	20.17	20.7	36.75	26.86	23.67	46.53	80.25	96	250	35.29	83.28
	Max	260	76	84	71	117	128	74	434.3	453	573	1980	200	600

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	2	0	0		0						1	3
	Min	0.28	0.12										280	120
	Mean	0.28	0.135										280	483.3
	Max	0.28	0.15										280	720
Camp Keais	N		0	0			0	0					2	7
	Min												180	120
	Mean												200	231.4
	Max												220	510
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	13	0	0	0		0	0	0	6	70	54	18
	Min	0.095	0.096								0.154	0.06	0.12	120
	Mean	0.161	0.554								0.426	0.644	26.39	326.7
	Max	0.36	2								0.722	8.62	560	950
Cocohatchee River	N	1	5	0	0				0	0	2	24	20	5
	Min	0.025	0.07								0.4	0.15	0.21	200
	Mean	0.025	0.146								0.473	0.619	41.47	596
	Max	0.025	0.24								0.545	2.99	550	1050
Corkscrew Swamp	N									0	4	12		0
	Min										0.12	0.043		
	Mean										0.19	0.395		
	Max										0.342	0.92		
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					1	10
	Min												290	120
	Mean												290	348

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	4	4	4	4	4	3	3	4	4	4	4	4	3
	Min	320	170	120	130	240	620	390	275	287.3	212.6	203	252	501
	Mean	585	492.5	510	417.5	925	976.7	1230	733.8	435.6	391	580.3	486.3	675.8
	Max	1300	1180	1360	1060	1910	1530	1660	1070	552	514.5	1063	815	775.5
Camp Keais	N	8	8	8	8	7	8	6	9	11	9	5	8	5
	Min	120	120	100	100	76	100	160	100	72.6	83.46	90.3	142	100
	Mean	213.8	176.3	241.3	263.8	256.6	212.5	331.7	327.1	311.1	415	339.7	251.8	213.2
	Max	360	260	690	860	410	440	710	686	896	1897	791	409	315.5
Cocohatchee GC Disch	N								1	4	4	3	4	3
	Min								2720	446	451.7	311	151	181.9
	Mean								2720	906.8	1274	521.7	563.8	848.8
	Max								2720	1470	2274	894	956	1579
Cocohatchee Inland	N	23	24	23	19	22	27	27	29	36	36	36	36	27
	Min	120	120	100	100	100	100	100	100	80.61	31.36	38.6	1.98	38.75
	Mean	402.2	395.4	344.8	303.7	415.5	376.3	346.7	319.6	368.8	264.7	311.1	359.3	233
	Max	900	800	690	560	1750	2200	850	1240	1290	795.1	1168	1100	814
Cocohatchee River	N	8	8	8	7	6	8	8	7	4	4	4	4	3
	Min	460	120	350	180	200	220	120	170	132	80.09	60.5	58.2	82.45
	Mean	610	466.3	501.3	372.9	551.7	372.5	411.3	366.3	204.9	162.5	166.9	149.1	94.08
	Max	810	610	680	550	1100	640	900	700	292	349	360	314	116.7
Corkscrew Swamp	N	4	4	4	4	4	2	2	1	5	3	3	2	3
	Min	120	120	110	100	100	220	180	540	282	79.84	109	477	249
	Mean	312.5	310	445	217.5	710	320	225	540	546.6	343.4	229.7	499.5	271.5
	Max	600	500	810	340	1830	420	270	540	959	630.6	407	522	296.5
Cow Slough	N		0	0	0	1	0	0	1	4	3	1	2	1
	Min					450			280	210	142.6	422	371	145.5
	Mean					450			280	439.4	658.4	422	641.3	145.5
	Max					450			280	820.7	946.7	422	911.6	145.5
Faka Union North	N	12	12	11	11	11	12	10	12	12	12	12	12	9
	Min	120	120	100	100	100	120	100	79.8	98	69.7	82.7	18.3	40.3
	Mean	478.3	633.3	400.9	439.1	430.9	338.3	489	235.5	541.7	448.4	343.3	463.8	199.1

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max												290	900
Faka Union South	N	1	2	0	0		0	0	0	0	0		5	20
	Min	0.062	0.035										200	120
	Mean	0.062	0.188										244	192
	Max	0.062	0.34										300	570
Fakahatchee Strand	N	1	2	0	0	0	0	0	0	0	0		3	13
	Min	0.31	0.46										120	120
	Mean	0.31	0.59										153.3	177.7
	Max	0.31	0.72										220	380
Golden Gate	N	4	7	0	0			0	0	0	6	54	34	14
	Min	0.31	0.12								0.221	0.004	0.12	120
	Mean	0.613	0.41								0.572	0.702	13.15	647.9
	Max	0.8	0.94								0.976	4.7	430	1500
Gordon Marine	N	0			0						3	36	27	9
	Min										0.347	0.12	0.12	120
	Mean										0.453	0.443	22.2	545.6
	Max										0.616	1.6	420	2530
Gordon River Extension	N	1	2	0	0			0	0	0	1	3		
	Min	0.27	0.061								0.12	0.04		
	Mean	0.27	1.381								0.12	0.12		
	Max	0.27	2.7								0.12	0.24		
Haldeman Cr Lower	N				0						1	11	7	3
	Min										0.12	0.012	0.12	315
	Mean										0.12	0.254	18.77	455
	Max										0.12	0.7	130	710
Haldeman Cr Upper	N	1	2	0	0			0	0	0	1	12	10	3
	Min	0.2	0.11								0.12	0.055	0.12	130
	Mean	0.2	0.15								0.12	0.206	20.13	430
	Max	0.2	0.19								0.12	1.2	200	600
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	880	1390	740	1170	1010	1070	1700	540	1109	1691	1360	1170	540
Faka Union South	N	20	20	20	19	19	16	16	17	14	16	16	16	12
	Min	120	120	100	100	75	100	100	55.3	30	21.02	14.7	20.4	30.05
	Mean	218	223	205.5	208.9	295.3	182.5	291.3	179.5	145.4	84.8	100.6	142.8	116
	Max	540	350	430	450	960	450	560	720	370	476.8	547	401	303
Fakahatchee Strand	N	13	13	13	11	13	12	13	12	9	8	8	9	7
	Min	120	100	100	100	75	100	100	100	29.64	19.58	37.7	18.9	29.65
	Mean	199.2	165.4	206.2	217.3	181.1	140.8	283.1	264.8	101.8	182.2	111.9	175.7	112.4
	Max	450	540	1300	440	780	280	860	640	194	776.4	198	600	264.1
Golden Gate	N	16	16	15	13	15	16	16	17	19	20	20	21	21
	Min	130	120	100	100	100	100	100	100	313	126.3	88.8	77.2	66.1
	Mean	712.5	718.1	572	720.8	602.7	511.3	670.4	636.3	677.3	560.4	475.5	544.9	299.1
	Max	1330	1100	1410	1500	1350	1700	1380	1500	1130	1261	1290	1020	856.5
Gordon Marine	N	12	12	12	12	12	12	12	11	8	8	8	7	6
	Min	200	130	180	160	75	100	100	210	142	73.68	52	47.4	60.6
	Mean	405	538.3	453.3	428.3	483.8	265	379.2	379.1	218	135.5	125.2	230.3	139.3
	Max	680	800	880	870	900	520	760	800	356	286	369	496	264.5
Gordon River Extension	N								1	4	4	4	5	6
	Min								95	31.82	55.08	71.1	65.7	51
	Mean								95	97.41	86.63	117.5	228.6	226.1
	Max								95	175	128	196	700	521
Haldeman Cr Lower	N	4	4	4	3	4	4	4	4	4	4	4	4	3
	Min	130	220	160	100	120	210	100	130	75.21	70.6	54.3	40.6	34.9
	Mean	240	340	247.5	203.3	387.5	242.5	222.5	337.5	120.1	112.8	83.15	128.2	63.7
	Max	360	460	410	260	790	280	370	700	166	136	113	164	86.9
Haldeman Cr Upper	N	4	4	4	3	4	4	4	4	4	4	4	4	3
	Min	120	120	100	100	75	100	100	59.6	65.84	49.93	20	35.4	27.7
	Mean	155	142.5	135	113.3	106.3	110	117.5	89.9	120.7	95.13	51.95	65.15	33.83
	Max	220	170	180	140	130	130	170	100	149	135.8	83.3	146	41.9
Immokalee Basin	N		0	0	0	1	0	0	1	4	1	1	2	0
	Min					230			240	67.1	112	102	124	

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	6	0	0				0		1	12	10	3
	Min	0.018	0.023								0.303	0.159	0.12	360
	Mean	0.018	0.107								0.303	0.368	40.42	483.3
	Max	0.018	0.17								0.303	1.1	400	650
Okaloacoochee Slough	N						0						1	3
	Min												300	120
	Mean												300	176.7
	Max												300	290
Rookery Bay Coastal	N	1	3	0	0			0	0	0	0			
	Min	0.015	0.08											
	Mean	0.015	0.094											
	Max	0.015	0.11											
Rookery Bay East	N	2	4	0	0		0	0	0	0	2	16	4	6
	Min	0.11	0.14								0.12	0.052	0.12	120
	Mean	0.125	0.41								0.139	0.47	82.63	485
	Max	0.14	0.78								0.157	2.24	200	1030
Rookery Bay West	N	0	3	0	0			0	0	0	1	12	10	3
	Min		0.16								0.311	0.23	0.12	240
	Mean		0.34								0.311	0.619	37.34	516.7
	Max		0.57								0.311	2.4	370	770
Silver Strand	N	1	3	0										
	Min	0.27	1.8											
	Mean	0.27	12.43											
	Max	0.27	33											
Tamiami Canal	N	2	7	0	0			0	0	0	0		1	15
	Min	0.075	0.003										190	120
	Mean	0.333	0.199										190	126.7
	Max	0.59	0.31										190	180
Ten Thousand Islands	N	3	20	0			0	0	0				2	8

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean					230			240	182.3	112	102	161	
	Max					230			240	339	112	102	198	
Naples Bay	N	4	4	4	4	4	4	4	3					
	Min	390	440	280	340	220	100	220	210					
	Mean	477.5	555	570	520	515	237.5	415	460					
	Max	540	660	1180	600	770	360	650	770					
Okaloacoochee Slough	N	4	4	3	4	3	4	4	5	7	5	4	8	6
	Min	120	130	560	100	100	100	160	100	50.1	95.69	55.1	104	97.5
	Mean	162.5	172.5	823.3	322.5	183.3	177.5	305	293	140.8	153.6	427.3	266.5	281.6
	Max	250	200	1210	710	350	250	660	750	250	200	645	547	753
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	8	8	8	6	8	8	8	7	4	4	4	4	3
	Min	120	130	100	100	100	100	100	100	42.7	22.92	22.7	35.33	19.44
	Mean	391.3	257.5	487.5	225	335	270	302.5	354.3	123.1	63.16	213.4	321.2	25.65
	Max	720	500	1440	420	1170	570	620	880	252	151	763	790	34
Rookery Bay West	N	3	4	4	3	4	4	4	3	4	4	4	4	3
	Min	300	190	240	240	170	190	100	120	208.5	156.5	51.8	105	116.7
	Mean	393.3	282.5	455	276.7	262.5	260	190	148.3	272.1	230.8	168	145	158.6
	Max	540	370	560	310	390	410	390	180	382	305	304	183	184
Silver Strand	N		0	0	0	1	0	0	1	4	4	3	4	3
	Min					2500			1310	706	141.1	87.1	1240	428.5
	Mean					2500			1310	925	1114	717.4	1478	695.2
	Max					2500			1310	1232	2378	1138	1690	1180
Tamiami Canal	N	19	19	17	18	18	18	20	15	12	12	12	12	9
	Min	120	100	100	37	75	100	100	28.7	38	15.41	6.01	1.98	9.01
	Mean	134.2	127.4	128.2	112.2	128.9	325	177	453.5	104.6	78.54	67.5	73.88	87.8
	Max	200	230	240	250	290	1090	450	1500	176	195.1	183	170	179.5
Ten Thousand Islands	N	8	8	8	7	8	8	8	8	8	8	8	8	6

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	0.025	0.017										130	120
	Mean	0.05	0.111										210	261.3
	Max	0.093	0.45										290	580

**Summary of Annual WQ
1989-2014**

WQ Variable=Iron (ug/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	120	130	100	100	75	100	100	72.2	34.68	35.23	29.3	37	26.9
	Mean	252.5	206.3	198.8	238.6	350.6	160	215	146.5	103	64.25	72.51	107	93.62
	Max	460	340	270	400	980	270	400	270	220	112.5	111	197	148

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	0	3	1	1		2						0	0
	Min		0.03	0.06	0.03		0.024							
	Mean		0.047	0.06	0.03		0.025							
	Max		0.08	0.06	0.03		0.026							
Camp Keais	N		5	6			1	6					0	0
	Min		0.02	0.02			0.02	0.017						
	Mean		0.094	0.06			0.02	0.084						
	Max		0.18	0.16			0.02	0.25						
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	2	19	8	7	0		1	3	10	16	0	0	0
	Min	0.015	0.01	0.06	0.029			0.09	0.09	0.03	0.01			
	Mean	0.038	0.575	0.683	1.003			0.09	0.137	0.64	0.911			
	Max	0.061	2	1.9	2.3			0.09	0.2	3.01	3.05			
Cocohatchee River	N	1	9	4	1				0	1	1	0	0	0
	Min	0.014	0.002	94E-5	0.21					0.14	0.12			
	Mean	0.014	0.01	0.003	0.21					0.14	0.12			
	Max	0.014	0.032	0.005	0.21					0.14	0.12			
Corkscrew Swamp	N									2	8	0		0
	Min									0.02	0.01			
	Mean									0.02	0.028			
	Max									0.02	0.06			
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	6					0	0
	Min						0.09	0.05						
	Mean						0.22	0.108						

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	0	0	0	0	0	0	0	11	12	12	12	12	8
	Min								0.012	0.01	0.006	0.008	0.01	0.01
	Mean								0.062	0.087	0.075	0.071	0.036	0.058
	Max								0.128	0.27	0.262	0.199	0.091	0.105
Camp Keais	N	0	0	0	0	0	0	0	22	32	24	15	24	17
	Min								0.012	0.01	0.006	0.006	0.006	0.01
	Mean								0.093	0.075	0.331	0.074	0.101	0.165
	Max								0.401	0.91	4.26	0.355	1.18	1.16
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								0.528	0.01	0.023	0.006	0.006	0.021
	Mean								0.656	0.156	0.398	0.107	0.095	0.226
	Max								0.743	0.51	0.897	0.516	0.29	0.729
Cocohatchee Inland	N	0	0	0	0	0	0	0	79	108	107	108	108	81
	Min								0.012	0.01	0.006	0.006	0.006	0.01
	Mean								0.091	0.092	0.07	0.075	0.087	0.092
	Max								0.733	0.71	0.67	0.683	0.644	0.522
Cocohatchee River	N	0	0	0	0	0	0	0	17	12	12	12	12	9
	Min								0.015	0.03	0.037	0.031	0.039	0.015
	Mean								0.116	0.093	0.102	0.086	0.091	0.071
	Max								0.315	0.15	0.252	0.185	0.202	0.142
Corkscrew Swamp	N	0	0	0	0	0	0	0	9	16	8	10	10	9
	Min								0.012	0.01	0.006	0.006	0.01	0.01
	Mean								0.203	0.036	0.234	0.187	0.044	0.408
	Max								0.418	0.11	0.781	1.3	0.157	3.27
Cow Slough	N		0	0	0	0	0	0	3	12	9	2	7	4
	Min								0.078	0.02	0.006	0.053	0.01	0.023
	Mean								0.391	0.083	0.098	0.07	0.232	0.057
	Max								0.599	0.3	0.247	0.086	0.798	0.154
Faka Union North	N	0	0	0	0	0	0	0	33	36	36	36	36	27
	Min								0.012	0.01	0.006	0.006	0.006	0.01
	Mean								0.025	0.022	0.022	0.019	0.022	0.03

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						0.35	0.18						
Faka Union South	N	0	3	0	1		1	4	3	4	1		0	0
	Min		0.02		0.04		0.07	0.02	0.039	0.021	0.018			
	Mean		0.053		0.04		0.07	0.041	0.054	0.064	0.018			
	Max		0.07		0.04		0.07	0.083	0.067	0.099	0.018			
Fakahatchee Strand	N	0	4	2	0	0	16	4	1	4	1		0	0
	Min		0.03	0.1			0.018	0.019	0.049	0.015	0.02			
	Mean		0.058	0.105			0.051	0.032	0.049	0.028	0.02			
	Max		0.11	0.11			0.229	0.05	0.049	0.06	0.02			
Golden Gate	N	3	11	14	15			1	18	56	6	0	0	0
	Min	0.004	0.02	0.02	0.02			0.1	0.01	0.01	0.03			
	Mean	0.006	0.069	0.281	0.1			0.1	0.084	0.08	0.095			
	Max	0.008	0.28	0.95	0.47			0.1	0.25	0.51	0.17			
Gordon Marine	N	1			3						0	0	0	0
	Min	89.33			0.19									
	Mean	89.33			0.27									
	Max	89.33			0.38									
Gordon River Extension	N	0	4	5	8			1	20	39	1	0		
	Min		0.06	0.04	0.02			0.29	0.02	0.01	0.087			
	Mean		0.108	0.262	0.1			0.29	0.133	0.107	0.087			
	Max		0.2	0.45	0.21			0.29	0.55	0.52	0.087			
Haldeman Cr Lower	N				3						0	0	0	0
	Min				0.11									
	Mean				0.238									
	Max				0.385									
Haldeman Cr Upper	N	1	4	1	2			1	2	3	0	0	0	0
	Min	56E-5	0.06	0.3	0.04			0.03	0.03	0.02				
	Mean	56E-5	0.803	0.3	0.065			0.03	0.075	0.04				
	Max	56E-5	2.9	0.3	0.09			0.03	0.12	0.05				
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max								0.091	0.07	0.106	0.061	0.072	0.133
Faka Union South	N	0	0	0	0	0	0	0	44	44	46	48	49	36
	Min								0.012	0.01	0.006	0.006	0.006	0.01
	Mean								0.024	0.02	0.024	0.031	0.023	0.037
	Max								0.111	0.18	0.109	0.175	0.101	0.184
Fakahatchee Strand	N	0	0	0	0	0	0	0	31	27	26	28	28	20
	Min								0.012	0.01	0.006	0.008	0.01	0.01
	Mean								0.058	0.04	0.062	0.058	0.129	0.136
	Max								0.636	0.1	0.207	0.161	2.02	1.09
Golden Gate	N	0	0	0	0	0	0	0	46	59	60	60	65	63
	Min								0.012	0.01	0.006	0.006	0.006	0.01
	Mean								0.06	0.04	0.026	0.031	0.037	0.04
	Max								0.363	0.2	0.145	0.203	0.156	0.136
Gordon Marine	N	0	0	0	0	0	0	0	30	24	24	24	23	18
	Min								0.017	0.01	0.015	0.014	0.038	0.01
	Mean								0.12	0.097	0.1	0.103	0.116	0.129
	Max								0.422	0.36	0.297	0.252	0.334	0.415
Gordon River Extension	N								3	12	12	12	15	18
	Min								0.302	0.04	0.099	0.085	0.065	0.01
	Mean								0.454	0.258	0.249	0.239	0.301	0.184
	Max								0.701	0.58	0.572	0.457	0.839	0.424
Haldeman Cr Lower	N	0	0	0	0	0	0	0	11	12	12	12	12	9
	Min								0.093	0.01	0.057	0.038	0.035	0.01
	Mean								0.164	0.522	0.138	0.123	0.118	0.132
	Max								0.305	4.95	0.277	0.214	0.19	0.216
Haldeman Cr Upper	N	0	0	0	0	0	0	0	11	12	12	12	12	9
	Min								0.012	0.02	0.014	0.033	0.01	0.01
	Mean								0.105	0.067	0.086	0.108	0.059	0.041
	Max								0.241	0.13	0.238	0.403	0.135	0.081
Immokalee Basin	N		0	0	0	0	0	0	1	9	3	1	4	2
	Min								0.076	0.01	0.006	0.151	0.015	0.01

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	2	12				4		0	0	0	0
	Min	0.016	0.002	75E-5	0.02				0.02					
	Mean	0.016	0.009	0.003	0.191				0.098					
	Max	0.016	0.025	0.005	0.338				0.22					
Okaloacoochee Slough	N						3						0	0
	Min						0.045							
	Mean						0.225							
	Max						0.334							
Rookery Bay Coastal	N	7	6	0	1			7	5	0	0			
	Min	44.68	0.003		0.16			0.02	0.01					
	Mean	82.95	0.007		0.16			0.423	0.056					
	Max	89.33	0.015		0.16			2.13	0.14					
Rookery Bay East	N	2	9	1	1		5	16	7	7	1	0	0	0
	Min	0.004	0.005	0.02	0.47		0.02	0.03	0.016	0.016	0.022			
	Mean	44.96	0.083	0.02	0.47		0.31	0.255	0.16	0.191	0.022			
	Max	89.92	0.32	0.02	0.47		0.89	0.97	0.55	0.63	0.022			
Rookery Bay West	N	0	3	0	1			3	7	4	1	0	0	0
	Min		0.01		0.04			0.05	0.03	0.053	0.033			
	Mean		0.16		0.04			0.097	0.114	0.126	0.033			
	Max		0.34		0.04			0.19	0.41	0.19	0.033			
Silver Strand	N	0	4	2										
	Min		0.02	0.09										
	Mean		0.173	0.17										
	Max		0.34	0.25										
Tamiami Canal	N	2	8	2	1			4	4	1	1		0	0
	Min	94E-5	0.034	0.05	0.04			0.03	0.028	0.012	0.01			
	Mean	0.005	0.099	0.12	0.04			0.133	0.58	0.012	0.01			
	Max	0.009	0.2	0.19	0.04			0.26	2.1	0.012	0.01			
Ten Thousand Islands	N	6	31	10			9	4	8				0	0

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean								0.076	0.087	0.024	0.151	0.084	0.132
	Max								0.076	0.45	0.035	0.151	0.212	0.254
Naples Bay	N	0	0	0	0	0	0	0	7					
	Min								0.012					
	Mean								0.077					
	Max								0.157					
Okaloacoochee Slough	N	0	0	0	0	0	0	0	12	23	17	13	23	18
	Min								0.013	0.01	0.006	0.006	0.006	0.01
	Mean								0.138	0.043	0.243	0.054	0.052	0.922
	Max								1.022	0.52	3.21	0.283	0.644	13
Rookery Bay Coastal	N								0	0				
	Min													
	Mean													
	Max													
Rookery Bay East	N	0	0	0	0	0	0	0	19	12	12	12	12	9
	Min								0.012	0.01	0.006	0.006	0.006	0.01
	Mean								0.057	0.022	0.017	0.019	0.058	0.027
	Max								0.265	0.05	0.067	0.142	0.254	0.053
Rookery Bay West	N	0	0	0	0	0	0	0	9	12	12	12	12	9
	Min								0.012	0.01	0.006	0.006	0.01	0.01
	Mean								0.061	0.068	0.03	0.033	0.026	0.028
	Max								0.147	0.27	0.09	0.098	0.052	0.058
Silver Strand	N		0	0	0	0	0	0	3	12	12	9	12	7
	Min								0.495	0.13	0.125	0.039	0.102	0.206
	Mean								0.833	0.402	0.658	0.29	0.702	4.731
	Max								1.287	0.72	2.64	0.71	1.81	14
Tamiami Canal	N	0	0	0	0	0	0	0	41	36	34	36	36	27
	Min								0.012	0.01	0.006	0.006	0.01	0.01
	Mean								0.084	0.038	0.052	0.035	0.046	0.081
	Max								0.407	0.14	0.21	0.206	0.252	0.465
Ten Thousand Islands	N	0	0	0	0	0	0	0	20	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	0.004	0.002	6E-4			0.012	0.025	0.01					
	Mean	29.78	0.006	0.005			0.032	0.076	0.069					
	Max	89.33	0.043	0.02			0.084	0.16	0.15					

**Summary of Annual WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min								0.012	0.01	0.006	0.006	0.01	0.01
	Mean								0.033	0.041	0.061	0.057	0.059	0.081
	Max								0.078	0.32	0.136	0.199	0.242	0.237

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	0	0	1	0		2						0	5
	Min			0.01			0.025							0.02
	Mean			0.01			0.042							0.032
	Max			0.01			0.059							0.04
Camp Keais	N		0	10			0	0					0	13
	Min			0.01										0.01
	Mean			0.01										0.017
	Max			0.01										0.04
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	1	2	12	1	0		0	0	0	6	70	51	15
	Min	0.2	0.23	0.01	0.11						0.01	0.01	0.01	0.01
	Mean	0.2	0.235	0.025	0.11						0.097	0.055	0.033	0.023
	Max	0.2	0.24	0.065	0.11						0.17	0.25	0.18	0.04
Cocohatchee River	N	1	9	6	0				0	0	2	24	18	1
	Min	0.17	0.02	0.01							0.18	0.01	0.01	0.01
	Mean	0.17	0.193	0.043							0.2	0.095	0.057	0.01
	Max	0.17	0.67	0.15							0.22	0.25	0.28	0.01
Corkscrew Swamp	N									0	4	12		3
	Min										0.01	0.01		0.01
	Mean										0.06	0.056		0.01
	Max										0.21	0.32		0.01
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	0					0	8
	Min													0.01
	Mean													0.021

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	11	11	11	12	10	8	10	14	16	12	12	12	8
	Min	0.02	0.01	0.01	0.005	0.01	0.01	0.003	0.002	0.01	0.002	0.002	0.002	0.002
	Mean	0.041	0.036	0.05	0.029	0.026	0.023	0.027	0.048	0.062	0.048	0.02	0.02	0.012
	Max	0.09	0.07	0.085	0.18	0.06	0.05	0.082	0.153	0.251	0.147	0.059	0.041	0.036
Camp Keais	N	21	23	22	21	19	20	21	23	32	24	15	24	17
	Min	0.01	0.01	0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.013	0.012	0.014	0.015	0.022	0.017	0.011	0.015	0.015	0.018	0.008	0.015	0.01
	Max	0.04	0.03	0.044	0.08	0.09	0.04	0.04	0.065	0.092	0.218	0.023	0.069	0.026
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								0.04	0.025	0.019	0.008	0.036	0.052
	Mean								0.056	0.167	0.097	0.33	0.304	0.3
	Max								0.07	0.474	0.286	0.624	0.893	0.732
Cocohatchee Inland	N	63	72	68	63	77	78	76	84	108	107	108	108	81
	Min	0.01	0.01	0.007	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.065	0.066	0.074	0.098	0.074	0.036	0.075	0.069	0.091	0.069	0.068	0.089	0.065
	Max	0.37	0.43	0.716	0.45	1.14	0.26	0.331	0.381	0.579	0.485	0.338	0.46	0.368
Cocohatchee River	N	21	24	22	19	21	24	22	19	12	12	12	12	9
	Min	0.02	0.01	0.01	0.017	0.01	0.01	0.02	0.002	0.03	0.002	0.006	0.014	0.008
	Mean	0.093	0.101	0.098	0.138	0.071	0.055	0.118	0.073	0.125	0.066	0.062	0.078	0.078
	Max	0.22	0.22	0.232	0.26	0.19	0.19	0.421	0.221	0.237	0.195	0.172	0.175	0.22
Corkscrew Swamp	N	13	16	10	12	12	9	11	11	16	8	10	10	9
	Min	0.01	0.01	0.005	0.01	0.01	0.01	0.003	0.002	0.002	0.002	0.003	0.004	0.003
	Mean	0.048	0.054	0.066	0.022	0.036	0.034	0.045	0.032	0.073	0.083	0.053	0.128	0.09
	Max	0.35	0.35	0.189	0.07	0.21	0.14	0.274	0.099	0.251	0.341	0.221	0.759	0.316
Cow Slough	N		0	6	5	8	4	7	9	12	9	2	7	4
	Min			0.006	0.019	0.01	0.01	0.003	0.002	0.009	0.011	0.015	0.01	0.007
	Mean			0.041	0.112	0.053	0.065	0.042	0.048	0.052	0.05	0.064	0.02	0.039
	Max			0.094	0.27	0.16	0.13	0.128	0.113	0.163	0.248	0.112	0.041	0.125
Faka Union North	N	33	32	31	27	32	35	35	36	36	36	36	36	27
	Min	0.01	0.01	0.007	0.007	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.045	0.039	0.03	0.027	0.015	0.01	0.013	0.009	0.021	0.022	0.019	0.023	0.01

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max													0.04
Faka Union South	N	0	0	2	0		0	1	1	3	0		0	24
	Min			0.01				0.029	0.015	0.007				0.01
	Mean			0.033				0.029	0.015	0.023				0.022
	Max			0.055				0.029	0.015	0.038				0.04
Fakahatchee Strand	N	1	0	6	0	1	15	1	0	2	0		0	13
	Min	0.02		0.01		0.012	0.057	0.006		0.005				0.01
	Mean	0.02		0.012		0.012	0.083	0.006		0.007				0.012
	Max	0.02		0.02		0.012	0.181	0.006		0.008				0.02
Golden Gate	N	0	1	11	1			1	2	4	6	54	36	13
	Min		0.14	0.01	0.02			0.1	0.051	0.015	0.02	0.01	0.01	0.01
	Mean		0.14	0.034	0.02			0.1	0.058	0.053	0.072	0.046	0.038	0.027
	Max		0.14	0.08	0.02			0.1	0.065	0.081	0.11	0.17	0.18	0.04
Gordon Marine	N	1			0						3	36	26	7
	Min	0.13									0.09	0.01	0.01	0.01
	Mean	0.13									0.12	0.072	0.054	0.021
	Max	0.13									0.15	0.19	0.17	0.03
Gordon River Extension	N	1	0	3	0			1	3	4	1	3		
	Min	0.6		0.01				0.31	0.058	0.031	0.03	0.04		
	Mean	0.6		0.132				0.31	0.139	0.248	0.03	0.043		
	Max	0.6		0.22				0.31	0.26	0.57	0.03	0.05		
Haldeman Cr Lower	N				0						1	11	6	2
	Min										0.05	0.01	0.01	0.02
	Mean										0.05	0.076	0.04	0.03
	Max										0.05	0.18	0.12	0.04
Haldeman Cr Upper	N	0	0	3	0			0	0	0	1	12	9	1
	Min			0.01							0.09	0.01	0.01	0.04
	Mean			0.013							0.09	0.112	0.08	0.04
	Max			0.02							0.09	0.37	0.2	0.04
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	0.15	0.16	0.14	0.11	0.07	0.02	0.057	0.062	0.072	0.1	0.112	0.101	0.033
Faka Union South	N	58	60	47	50	50	48	48	49	44	46	48	49	36
	Min	0.01	0.01	0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.016	0.016	0.015	0.016	0.043	0.011	0.014	0.011	0.007	0.009	0.009	0.015	0.011
	Max	0.08	0.06	0.074	0.05	1.31	0.03	0.045	0.094	0.036	0.036	0.046	0.08	0.083
Fakahatchee Strand	N	40	39	30	32	37	37	38	35	27	26	28	28	20
	Min	0.01	0.01	0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.012	0.011	0.013	0.012	0.027	0.015	0.011	0.011	0.008	0.012	0.007	0.009	0.025
	Max	0.03	0.04	0.041	0.06	0.19	0.08	0.054	0.078	0.055	0.078	0.018	0.037	0.245
Golden Gate	N	43	45	43	38	40	46	47	50	59	60	60	65	63
	Min	0.01	0.01	0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.045	0.046	0.056	0.051	0.065	0.036	0.044	0.048	0.061	0.03	0.03	0.05	0.038
	Max	0.12	0.13	0.16	0.17	0.82	0.12	0.263	0.2	0.184	0.123	0.172	0.127	0.191
Gordon Marine	N	30	35	26	26	26	34	35	33	29	24	24	23	18
	Min	0.01	0.01	0.01	0.005	0.01	0.01	0.02	0.002	0.028	0.002	0.002	0.002	0.012
	Mean	0.082	0.088	0.063	0.078	0.074	0.051	0.067	0.076	0.1	0.071	0.055	0.061	0.064
	Max	0.23	0.23	0.14	0.16	0.26	0.17	0.163	0.307	0.343	0.331	0.149	0.126	0.138
Gordon River Extension	N								3	12	12	12	15	18
	Min								0.158	0.024	0.02	0.046	0.025	0.006
	Mean								0.277	0.194	0.138	0.149	0.148	0.095
	Max								0.357	0.371	0.315	0.432	0.288	0.25
Haldeman Cr Lower	N	11	12	9	7	10	11	11	14	16	12	12	12	9
	Min	0.02	0.03	0.005	0.02	0.01	0.01	0.01	0.002	0.011	0.005	0.004	0.008	0.017
	Mean	0.045	0.048	0.035	0.047	0.029	0.026	0.041	0.063	0.035	0.043	0.035	0.029	0.035
	Max	0.1	0.1	0.073	0.092	0.04	0.06	0.12	0.162	0.056	0.142	0.086	0.06	0.073
Haldeman Cr Upper	N	12	12	9	9	10	9	12	12	12	12	12	12	9
	Min	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.003	0.002	0.004	0.02	0.002	0.003
	Mean	0.034	0.038	0.05	0.032	0.06	0.06	0.048	0.068	0.042	0.046	0.044	0.028	0.036
	Max	0.06	0.08	0.144	0.072	0.29	0.19	0.259	0.211	0.082	0.12	0.111	0.052	0.07
Immokalee Basin	N		0	8	11	7	10	18	11	9	3	1	4	2
	Min			0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.004	0.026	0.005	0.007

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	3	0				0		1	12	9	2
	Min	0.02	0.02	0.01							0.09	0.01	0.01	0.01
	Mean	0.02	0.056	0.155							0.09	0.064	0.027	0.02
	Max	0.02	0.13	0.29							0.09	0.18	0.13	0.03
Okaloacoochee Slough	N							3					0	5
	Min							0.104						0.01
	Mean							0.112						0.02
	Max							0.123						0.03
Rookery Bay Coastal	N	2	6	0	0				0	0	0	0		
	Min	0.02	0.02											
	Mean	0.02	0.022											
	Max	0.02	0.03											
Rookery Bay East	N	1	0	0	0		0	1	1	2	2	17	7	6
	Min	0.18						0.16	0.014	0.098	0.05	0.01	0.01	0.01
	Mean	0.18						0.16	0.014	0.104	0.05	0.026	0.014	0.025
	Max	0.18						0.16	0.014	0.11	0.05	0.1	0.03	0.04
Rookery Bay West	N	0	0	3	0			1	3	4	1	12	9	6
	Min			0.01				0.066	0.015	0.034	0.08	0.01	0.01	0.01
	Mean			0.013				0.066	0.03	0.077	0.08	0.071	0.057	0.022
	Max			0.02				0.066	0.042	0.12	0.08	0.24	0.17	0.03
Silver Strand	N	0	0	2										
	Min			0.01										
	Mean			0.125										
	Max			0.24										
Tamiami Canal	N	0	0	4	0			1	1	1	0		0	18
	Min			0.01				0.024	0.011	0.005				0.01
	Mean			0.01				0.024	0.011	0.005				0.014
	Max			0.01				0.024	0.011	0.005				0.03
Ten Thousand Islands	N	6	31	17			11	0	0				0	12

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean			0.224	0.41	0.019	0.725	0.559	0.166	0.016	0.005	0.026	0.006	0.009
	Max			1.3	1.3	0.06	2.71	2.837	0.499	0.05	0.005	0.026	0.007	0.01
Naples Bay	N	12	12	9	9	8	11	11	8					
	Min	0.01	0.01	0.015	0.01	0.01	0.02	0.02	0.021					
	Mean	0.048	0.061	0.051	0.067	0.046	0.028	0.043	0.037					
	Max	0.13	0.14	0.14	0.1	0.09	0.05	0.108	0.059					
Okaloacoochee Slough	N	11	11	10	11	10	11	12	11	23	17	13	23	18
	Min	0.01	0.01	0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.003	0.002	0.002
	Mean	0.014	0.024	0.015	0.017	0.012	0.012	0.011	0.016	0.006	0.031	0.009	0.008	0.01
	Max	0.04	0.11	0.036	0.06	0.03	0.02	0.06	0.086	0.025	0.253	0.018	0.026	0.031
Rookery Bay Coastal	N								1	5				
	Min								0.055	0.005				
	Mean								0.055	0.038				
	Max								0.055	0.066				
Rookery Bay East	N	24	24	21	20	19	22	24	22	17	12	12	12	9
	Min	0.01	0.01	0.01	0.01	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.025	0.03	0.03	0.047	0.023	0.021	0.028	0.047	0.095	0.023	0.029	0.08	0.009
	Max	0.08	0.07	0.078	0.15	0.1	0.13	0.12	0.339	0.376	0.136	0.169	0.448	0.027
Rookery Bay West	N	8	11	11	10	10	11	12	10	12	12	12	12	9
	Min	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.026	0.008	0.003	0.01	0.004
	Mean	0.04	0.076	0.071	0.063	0.077	0.036	0.033	0.062	0.093	0.054	0.05	0.068	0.044
	Max	0.1	0.16	0.12	0.25	0.16	0.08	0.111	0.169	0.201	0.105	0.114	0.122	0.078
Silver Strand	N		0	7	5	9	12	9	10	12	12	9	12	7
	Min			0.154	0.29	0.01	0.01	0.01	0.002	0.211	0.051	0.012	0.304	0.827
	Mean			0.713	0.556	0.728	0.427	0.24	0.68	0.842	0.595	0.536	0.849	3.752
	Max			1.508	1.1	1.67	1.43	0.711	1.456	1.862	1.49	1.28	1.28	10.2
Tamiami Canal	N	53	56	48	54	52	54	58	43	36	34	36	36	27
	Min	0.01	0.01	0.005	0.005	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.003	0.002
	Mean	0.029	0.024	0.031	0.02	0.037	0.025	0.024	0.033	0.017	0.027	0.025	0.029	0.03
	Max	0.19	0.17	0.134	0.09	0.19	0.11	0.303	0.17	0.09	0.234	0.186	0.178	0.139
Ten Thousand Islands	N	24	24	19	22	23	24	23	20	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	0.01	0.01	0.005	0.006	0.01	0.01	0.003	0.002	0.002	0.002	0.002	0.004	0.002
	Mean	0.019	0.02	0.019	0.023	0.02	0.018	0.022	0.018	0.015	0.017	0.016	0.017	0.019
	Max	0.05	0.08	0.05	0.06	0.06	0.04	0.056	0.072	0.038	0.049	0.04	0.049	0.038

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						3	12
	Min	0	0	0	0		0						0	0.12
	Mean	0	0	0	0		0						0.153	0.262
	Max	0	0	0	0		0						0.29	0.38
Camp Keais	N		6	16			2	6					6	24
	Min		0	0			0	0					0	0.11
	Mean		0	0			0	0					0.218	0.209
	Max		0	0			0	0					0.3	0.32
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	12	1		1	1	8	29	70	67	67
	Min	0	0	0	0	0		0	0	0	0	0	0	0.18
	Mean	0.186	0.384	0	0	0		0	0	0.225	0.272	0.2	0.459	0.478
	Max	1.3	5.5	0	0	0		0	0	0.6	0.7	2	0.96	1.05
Cocohatchee River	N	1	10	8	1				4	1	5	24	25	23
	Min	32.8	0	3.6	0				22	0.5	0	0	0.01	0.19
	Mean	32.8	25.45	24.73	0				24.98	0.5	6.56	7.525	15.4	11.37
	Max	32.8	34.4	31.3	0				28.2	0.5	22.2	31.6	29.7	32.3
Corkscrew Swamp	N									4	16	12		8
	Min									0	0	0		0.11
	Mean									0	0	0		0.16
	Max									0	0	0		0.25
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	6					9	36
	Min						0	0					0	0.13
	Mean						0	0					0.983	0.256

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	10	12	12	7	10	13	12	12	12	12	8
	Min	0.14	0.1	0.12	0.13	0.09	0.23	0.15	0.14	0.11	0.135	0.21	0.14	0.15
	Mean	0.238	0.181	0.236	0.209	0.238	0.31	0.247	0.25	0.212	0.268	0.278	0.238	0.304
	Max	0.35	0.3	0.33	0.32	0.34	0.36	0.34	0.37	0.32	0.36	0.35	0.33	0.37
Camp Keais	N	24	24	19	24	23	21	21	23	32	24	15	24	17
	Min	0.11	0.09	0.1	0.09	0.08	0.13	0.11	0.14	0.1	0.14	0.15	0.06	0.08
	Mean	0.212	0.198	0.227	0.201	0.217	0.248	0.206	0.24	0.235	0.223	0.237	0.19	0.231
	Max	0.3	0.31	0.3	0.3	0.3	0.33	0.3	0.3	0.33	0.39	0.345	0.3	0.32
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								0.48	0.35	0.42	0.48	0.43	0.49
	Mean								0.49	0.483	0.505	0.523	0.532	0.549
	Max								0.5	0.56	0.64	0.61	0.59	0.7
Cocohatchee Inland	N	69	72	64	78	84	72	78	85	108	108	108	109	81
	Min	0.21	0.17	0.16	0.18	0.145	0.2	0.15	0.21	0.19	0.2	0.18	0.15	0.19
	Mean	0.44	0.387	0.409	0.369	0.617	0.869	0.718	1.109	0.451	0.821	0.909	0.541	0.53
	Max	0.915	0.87	0.95	1.1	11.18	12.66	9.06	15.96	1.49	14.97	20.5	3.6	2.37
Cocohatchee River	N	23	24	21	24	24	22	24	21	12	12	12	12	9
	Min	0.21	0.19	0.22	0.19	0.16	11.8	0.2	0.3	0.54	0.29	0.4	0.22	0.27
	Mean	9.417	6.543	11.24	7.839	11.19	22.17	14.9	18.43	11.32	19.47	19.51	15.65	18.71
	Max	32.11	25.64	29.29	30.11	32.39	30.72	31.84	33.2	22.36	32.32	32.35	33.15	29
Corkscrew Swamp	N	13	16	16	16	12	9	11	11	16	8	10	10	9
	Min	0.12	0	0.12	0.09	0.11	0.09	0.13	0.15	0.12	0.15	0.17	0.1	0.1
	Mean	0.196	0.108	0.177	0.159	0.178	0.2	0.198	0.235	0.211	0.223	0.239	0.201	0.214
	Max	0.28	0.24	0.24	0.24	0.25	0.25	0.26	0.27	0.29	0.29	0.3	0.29	0.29
Cow Slough	N		11	6	8	8	4	7	9	12	9	2	8	4
	Min		0.06	0.13	0.04	0.13	0.21	0.07	0.11	0.09	0.06	0.15	0.05	0.12
	Mean		0.183	0.232	0.123	0.196	0.255	0.124	0.26	0.218	0.208	0.21	0.188	0.155
	Max		0.29	0.28	0.23	0.26	0.29	0.2	0.35	0.33	0.28	0.27	0.33	0.2
Faka Union North	N	36	34	30	36	36	33	36	36	36	36	36	36	27
	Min	0.14	0.17	0.11	0.11	0.06	0.09	0.1	0.14	0.16	0.12	0.09	0.08	0.11
	Mean	0.272	0.256	0.236	0.238	0.225	0.207	0.22	0.243	0.261	0.226	0.234	0.235	0.237

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						0	0					7.245	0.36
Faka Union South	N	1	4	3	1		1	4	1	1	2		15	60
	Min	0	0	0	0		0	0	0	0	0		0	0.16
	Mean	0	0	0	0		0	0	0	0	0.35		0.639	2.848
	Max	0	0	0	0		0	0	0	0	0.7		4.195	41.65
Fakahatchee Strand	N	1	7	12	1	1	17	4	1	1	2		9	38
	Min	0	0	0	0	0	0	0	0	0	0		0.2	0.15
	Mean	0	0	0	0	0	1.176	0	0	0	0		1.246	12.09
	Max	0	0	0	0	0	12	0	0	0	0		5.275	50.25
Golden Gate	N	4	18	20	29			1	2	5	17	54	48	48
	Min	0	0	0	0			0	0	0	0	0	0	0.13
	Mean	0	0	0	1.655			0	0.05	0.04	0.035	0.037	0.314	0.277
	Max	0	0	0	25			0	0.1	0.1	0.1	0.3	3.37	0.41
Gordon Marine	N	1			6						3	36	33	36
	Min	32.9			1						0.5	0	0.3	0.27
	Mean	32.9			14.38						4.133	10.07	17.04	15.89
	Max	32.9			26						9.2	34.6	33.8	34.79
Gordon River Extension	N	1	4	6	9			1	3	7	3	3		
	Min	0	0	0	0			0	0	0	0.2	0.2		
	Mean	0	0.35	0	0			0	0.133	0.257	0.2	0.233		
	Max	0	0.9	0	0			0	0.3	0.3	0.2	0.3		
Haldeman Cr Lower	N				5						1	11	8	12
	Min				0						6	0.4	26.78	0.275
	Mean				8.87						6	12.85	30.45	22.31
	Max				31.7						6	34.1	33.74	35.47
Haldeman Cr Upper	N	1	4	4	3			1	0	0	1	12	12	12
	Min	0	0	0	0			0			0.1	0	0.1	0.28
	Mean	0	0.175	0	0			0			0.1	0.258	0.333	0.356
	Max	0	0.7	0	0			0			0.1	1.3	0.4	0.41
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	0.34	0.32	0.3	0.32	0.32	0.325	0.35	0.355	0.34	0.325	0.335	0.32	0.33
Faka Union South	N	60	60	52	58	55	44	48	49	44	46	48	49	36
	Min	0.2	0	0.17	0.15	0.18	0.21	0.2	0.22	0.26	0.15	0.28	0.22	0.3
	Mean	1.277	0.484	1.076	1.174	1.908	2.799	1.949	2.59	0.626	3.267	2.834	1.126	3.543
	Max	35.73	4.5	18.67	16.08	28.42	26.41	23.67	42.79	2.46	32.92	23.11	7.02	15.14
Fakahatchee Strand	N	40	39	36	37	40	34	39	35	27	26	28	28	20
	Min	0.14	0	0.125	0.13	0.14	0.31	0.145	0.14	0.23	0.18	0.16	0.13	0.21
	Mean	5.245	0.745	3.444	5.436	4.649	8.729	6.392	8.357	1.983	12.17	6.874	5.581	8.342
	Max	44.82	4.7	30.24	25.19	28.08	38.74	36.76	49.08	16.96	42.11	34.34	30.61	30.38
Golden Gate	N	48	46	38	48	48	44	48	50	59	60	60	65	63
	Min	0.13	0.12	0.09	0.11	0.06	0.2	0.12	0.17	0.15	0.13	0.19	0.12	0.14
	Mean	0.265	0.256	0.255	0.242	0.262	0.316	0.3	0.314	0.262	0.267	0.295	0.261	0.279
	Max	0.38	0.9	0.4	0.41	0.38	0.455	0.47	0.435	0.4	0.39	0.41	0.42	0.4
Gordon Marine	N	36	35	32	36	36	33	36	35	25	24	24	23	18
	Min	0.24	0.26	0.26	0.25	0.24	0.76	0.28	0.35	0.62	0.47	0.56	0.36	0.695
	Mean	9.637	6.005	12.93	9.354	12.68	21.74	16.31	18.42	8.912	14.42	16.65	17.18	15.55
	Max	31.09	20.7	31.08	31.94	32.94	34.95	36.03	34.8	30.86	33.34	32.98	32.69	33.49
Gordon River Extension	N								3	12	12	13	15	18
	Min								0.625	0.38	0.45	0.475	0.3	0.11
	Mean								4.347	0.844	0.789	3.169	5.228	2.049
	Max								11.74	3.12	1.89	13.32	13.24	10.91
Haldeman Cr Lower	N	12	12	11	12	12	11	12	14	13	12	12	12	9
	Min	0.27	1.085	2.655	0.37	1.05	17.01	6.81	3.43	13.52	7.955	9.705	4.575	5.9
	Mean	18.32	16.35	21.05	15.39	18.65	30.26	25.35	25.05	22.13	23.27	27.16	23.6	22.57
	Max	32.15	28.95	31.4	31.7	31.87	34.48	36.62	32.2	31.21	32.32	34.55	32.64	32.93
Haldeman Cr Upper	N	12	12	10	12	12	11	12	12	12	12	12	12	9
	Min	0.22	0.26	0.29	0.27	0.3	0.33	0.33	0.31	0.33	0.38	0.34	0.31	0.34
	Mean	0.648	0.327	0.337	0.338	0.378	0.379	0.376	0.735	0.447	0.868	0.759	0.418	0.38
	Max	3.71	0.36	0.37	0.38	0.59	0.44	0.43	2.515	0.76	3.88	2.79	0.78	0.41
Immokalee Basin	N		21	9	18	9	9	18	12	9	3	1	4	2
	Min		0.03	0.1	0.03	0.13	0.09	0.06	0.16	0.1	0.14	0.14	0.16	0.14

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	22				4		1	12	12	12
	Min	21.25	0	6.8	0				12.7		27.8	7.9	4.52	5.555
	Mean	21.25	21.81	18.33	17.7				20.68		27.8	22.67	28.72	26.83
	Max	21.25	34.7	25.8	33.8				26		27.8	35.7	35.79	36.05
Okaloacoochee Slough	N						3						3	12
	Min						0						0.32	0.135
	Mean						0						0.35	0.246
	Max						0						0.39	0.39
Rookery Bay Coastal	N	9	10	8	2			11	14	55	60			
	Min	42.5	0	0	30.9			0	0.1	0.7	0.9			
	Mean	43.38	16.66	22.85	32.13			17.69	22.99	2.1	1.615			
	Max	43.8	35.4	34.6	33.35			30	32.8	3.4	3			
Rookery Bay East	N	3	11	5	1		5	19	3	4	6	16	11	22
	Min	0	0	0	0		0	0	0	0	0	0	0.07	0.12
	Mean	0	0.664	0	0		0.4	1.695	0.033	0.4	0.4	7.044	13.45	11.15
	Max	0	5	0	0		2	16	0.1	1.2	1.2	31.5	31.77	40.73
Rookery Bay West	N	1	4	3	2			3	4	1	3	12	12	12
	Min	0	0	0	0			0	0	0	0	0	0.1	0.26
	Mean	0	1.55	0	0			0	0.075	0	0.067	2.125	0.546	1.772
	Max	0	5.4	0	0			0	0.1	0	0.1	15.9	1.72	14.74
Silver Strand	N	1	4	3										
	Min	0	0	0										
	Mean	0	0	0										
	Max	0	0	0										
Tamiami Canal	N	3	12	8	1			5	1	1	2		14	48
	Min	0	0	0	0			0	0	0	0		0.125	0.1
	Mean	0	1.225	0	0			0	0	0	2.05		0.178	0.168
	Max	0	14.7	0	0			0	0	0	4.1		0.24	0.29
Ten Thousand Islands	N	6	32	20			22	6	16				6	24

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		0.156	0.176	0.149	0.172	0.13	0.148	0.188	0.189	0.183	0.14	0.188	0.155
	Max		0.27	0.23	0.25	0.26	0.22	0.22	0.23	0.24	0.22	0.14	0.25	0.17
Naples Bay	N	12	12	11	12	12	11	12	9					
	Min	2.92	16.51	2.185	9.305	8.39	26.85	20.27	23.23					
	Mean	25.97	24.54	25.58	23.64	27.12	33.52	31	32.25					
	Max	33.93	30.85	33.95	33.15	34.27	35.99	37.67	35.87					
Okaloacoochee Slough	N	12	12	10	12	12	11	12	14	23	17	13	23	18
	Min	0.18	0	0.17	0.13	0.12	0.32	0.15	0.08	0.08	0.07	0.07	0.07	0.07
	Mean	0.23	0.17	0.269	0.225	0.23	0.376	0.333	0.209	0.136	0.199	0.159	0.143	0.167
	Max	0.33	0.28	0.32	0.37	0.34	0.44	0.45	0.44	0.25	0.38	0.31	0.3	0.34
Rookery Bay Coastal	N								2	0				
	Min								14.8					
	Mean								20.95					
	Max								27.1					
Rookery Bay East	N	24	24	20	23	24	22	24	23	12	12	12	12	9
	Min	0.06	0.1	0.21	0.17	0.08	0.41	0.11	0.12	0.38	0.225	0.2	0.21	0.29
	Mean	7.299	4.333	5.831	5.08	6.754	11.71	7.143	7.818	0.518	0.463	0.452	0.45	0.484
	Max	32.55	26.03	24.22	30.85	33.51	33.75	28.63	39.99	0.58	0.59	0.54	0.58	0.58
Rookery Bay West	N	8	12	10	12	12	11	12	10	12	12	12	12	9
	Min	0.09	0.2	0.24	0.23	0.3	0.37	0.3	0.31	0.335	0.255	0.31	0.29	0.3
	Mean	1.215	0.398	0.336	0.552	1.176	2.86	0.342	0.72	0.387	0.346	0.509	0.353	0.424
	Max	7.48	1.11	0.38	2.92	9.99	21.81	0.39	3.78	0.42	0.375	2.01	0.42	0.87
Silver Strand	N		8	7	8	10	11	9	12	12	13	9	12	7
	Min		0.07	0.12	0.09	0.12	0.11	0.09	0.1	0.1	0.09	0.07	0.08	0.16
	Mean		0.113	0.153	0.119	0.138	0.186	0.133	0.177	0.138	0.145	0.13	0.142	0.176
	Max		0.14	0.21	0.15	0.17	0.3	0.18	0.31	0.17	0.24	0.18	0.18	0.2
Tamiami Canal	N	51	56	45	55	52	50	59	44	36	34	36	36	27
	Min	0.11	0	0.09	0.1	0.11	0.12	0.09	0.1	0.1	0.09	0.13	0.1	0.12
	Mean	0.177	0.146	0.178	0.169	0.179	0.206	0.174	0.179	0.188	0.173	0.187	0.177	0.187
	Max	0.25	0.25	0.25	0.26	0.25	0.28	0.27	0.29	0.255	0.25	0.245	0.23	0.24
Ten Thousand Islands	N	23	24	20	23	24	22	24	24	24	24	25	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	35.8	0	4.3			0	0	6.8				0.305	0.145
	Mean	37.22	20.06	23.64			22.33	16.22	21.33				8.472	13.79
	Max	39	38.3	35.1			31	29.2	28.5				23.51	40.12

**Summary of Annual WQ
1989-2014**

WQ Variable=Salinity (ppt)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	0.175	0.15	0.17	0.17	0.17	1.865	0.18	0.17	0.16	0.16	0.16	0.13	0.205
	Mean	8.88	5.558	10.24	10.23	10.42	18.52	13.24	17.76	7.484	16.68	13.92	12.45	17.34
	Max	37.96	20	32.56	32.87	36.05	36.53	39.41	41.38	25.19	38.79	36.62	33.87	35.93

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						3	9
	Min	0	0	0	0		0						1.05	0.4
	Mean	0	0	0	0		0						1.167	0.989
	Max	0	0	0	0		0						1.25	1.4
Camp Keais	N		6	16			0	2					6	21
	Min		0	0				0					0.8	0.8
	Mean		0	0				0					1.433	1.217
	Max		0	0				0					2.6	2.15
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	12	1		0	0	0	6	64	66	60
	Min	0	0	0	0	0					0.46	0	0.3	0.2
	Mean	0	0	0	0	0					1.093	2.047	1.376	1.26
	Max	0	0	0	0	0					1.8	6	2.7	2.2
Cocohatchee River	N	1	10	8	1				0	0	2	19	13	21
	Min	0	0	0	0						0.5	0	0.45	0.1
	Mean	0	0	0	0						0.6	1.499	0.775	0.65
	Max	0	0	0	0						0.7	3.5	1.14	1.3
Corkscrew Swamp	N									0	4	7		8
	Min										0.76	0.61		0.6
	Mean										1.048	2.049		0.881
	Max										1.3	3.5		1
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	2					9	34
	Min							0					0.5	0.3
	Mean							0					1.144	0.944

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	11	12	12	12	12	8	9	12	16	12	12	12	7
	Min	0.55	0.6	0.4	0.6	0.6	0.45	0.3	0.5	0.7	0.3	0.4	0.4	0.2
	Mean	1.047	1.258	0.992	1.233	0.971	0.669	0.643	0.833	1.338	0.725	0.729	0.933	0.507
	Max	1.5	1.85	1.5	1.9	1.4	0.9	1.1	1.2	2.2	1.3	1	1.2	1.05
Camp Keais	N	23	19	21	20	23	21	17	23	31	19	15	21	16
	Min	0.5	0.9	0.6	0.55	0	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.3
	Mean	1.422	1.466	1.417	1.414	1.373	1.23	0.775	1.041	1.206	1.061	1.08	0.936	1.425
	Max	2.1	2.8	2.4	2.35	2.3	2.7	1.7	2	2.8	2.1	2.1	1.8	2.7
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								0.4	0.6	0.35	0.55	0.4	0.4
	Mean								0.55	0.729	0.535	0.65	0.635	0.594
	Max								0.65	0.85	0.7	0.8	0.8	0.8
Cocohatchee Inland	N	64	65	69	76	83	74	69	84	103	104	105	105	79
	Min	0.5	0.3	0.2	0.3	0	0.3	0.2	0.22	0.3	0.25	0.1	0.2	0.25
	Mean	1.31	1.273	1.229	1.297	1.09	1.216	1.145	1.208	1.051	0.985	1.008	0.985	0.996
	Max	2.3	2.1	2.2	2.5	2.3	2.4	2.27	2.4	2.2	2.2	2.3	2.3	2.35
Cocohatchee River	N	22	21	22	22	24	23	13	17	12	12	12	11	8
	Min	0.5	0.4	0.5	0.4	0	0.25	0.35	0.3	0.4	0.4	0.4	0.5	0.7
	Mean	0.857	0.924	0.83	0.98	0.678	0.529	0.606	0.659	0.804	0.808	0.892	0.873	0.919
	Max	1.2	1.2	1.25	1.8	0.92	0.95	0.9	1.1	1	1	1.7	1.05	1.1
Corkscrew Swamp	N	12	14	15	15	11	7	10	11	16	6	10	9	8
	Min	0.25	0.3	0.2	0.45	0.15	0.4	0.2	0.32	0.4	0.2	0.2	0.4	0.1
	Mean	0.592	0.732	0.59	0.913	0.586	0.581	0.604	0.558	0.847	0.8	0.655	0.842	0.738
	Max	1.15	1	1.15	1.25	0.9	0.93	1.05	0.9	1.3	1.3	1.5	1.25	1.4
Cow Slough	N		10	6	7	8	4	7	9	12	9	2	6	4
	Min		0.15	0.2	0.1	0.2	0.1	0.28	0.35	0.3	0.2	0.25	0.1	0.3
	Mean		0.325	0.258	0.397	0.338	0.175	0.456	0.466	0.513	0.283	0.35	0.245	0.4
	Max		0.6	0.4	0.7	0.6	0.3	0.78	0.85	1	0.5	0.45	0.5	0.5
Faka Union North	N	36	32	34	35	35	34	35	35	35	35	35	33	27
	Min	0.45	0.5	0.8	0.75	0	0.1	0.4	0.3	0.55	0.4	0.3	0.3	0.25
	Mean	1.169	1.191	1.376	1.487	1.226	1.276	1.221	1.325	1.447	1.336	1.174	1.157	1.141

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max							0					2.2	2.5
Faka Union South	N	1	4	3	1		0	1	0	0	0		5	12
	Min	0	0	0	0			0					0.5	0.8
	Mean	0	0	0	0			0					0.89	1.25
	Max	0	0	0	0			0					1.35	1.9
Fakahatchee Strand	N	1	7	12	1	1	16	1	0	0	0		9	37
	Min	0	0	0	0	0	0	0					0.55	0.3
	Mean	0	0	0	0	0	0	0					0.833	0.916
	Max	0	0	0	0	0	0	0					1.2	2.3
Golden Gate	N	4	18	20	29			0	0	0	5	41	44	40
	Min	0	0	0	0						1.14	0	0.5	0.1
	Mean	0	0	0	0						1.386	2.042	1.185	1.102
	Max	0	0	0	0						1.83	5	2.85	2.4
Gordon Marine	N	1			6						3	28	33	33
	Min	0			0						1.1	0.76	0.8	0.4
	Mean	0			0						1.5	2.149	1.19	1.065
	Max	0			0						2.2	5.27	2.4	1.75
Gordon River Extension	N	1	4	6	9			0	0	0	1	2		
	Min	0	0	0	0						2.13	2.286		
	Mean	0	0	0	0						2.13	4.018		
	Max	0	0	0	0						2.13	5.75		
Haldeman Cr Lower	N				5						1	10	11	12
	Min				0						1.2	1.067	1	0.6
	Mean				0						1.2	2.243	1.187	1.071
	Max				0						1.2	5.5	1.4	1.4
Haldeman Cr Upper	N	1	4	4	3			0	0	0	1	11	12	11
	Min	0	0	0	0						0.76	0.91	1	0.8
	Mean	0	0	0	0						0.76	2.347	1.311	1.123
	Max	0	0	0	0						0.76	5	1.67	1.9
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	2.1	2	2.05	2.2	2.2	2.2	2.17	2.15	2.15	2.3	2	2.1	2
Faka Union South	N	12	12	20	16	15	12	12	36	41	45	48	45	36
	Min	0.4	0.4	0.4	0.65	0	0.2	0.5	0.3	0.4	0.25	0.3	0.4	0.2
	Mean	1.088	1.113	1.018	1.153	0.88	0.717	0.998	0.673	1.093	1.547	0.846	0.777	1.046
	Max	1.5	1.6	1.6	2.4	1.45	1.15	1.5	1	2.9	2.8	2.9	1.5	2.7
Fakahatchee Strand	N	40	37	38	38	40	37	37	34	27	26	27	28	20
	Min	0.4	0.5	0.4	0.5	0.2	0.4	0.34	0.15	0.75	0.35	0.2	0.2	0.1
	Mean	0.874	0.945	0.846	0.949	0.853	0.745	0.854	0.809	1.069	0.862	0.93	0.962	0.79
	Max	1.4	1.4	1.3	1.5	1.5	1.2	1.45	1.3	1.4	1.55	1.4	1.4	1.2
Golden Gate	N	47	46	42	42	46	45	44	50	54	56	60	62	61
	Min	0.4	0.42	0.4	0.15	0	0.3	0.3	0.2	0.5	0.3	0.4	0.2	0.3
	Mean	1.079	1.202	1.232	1.136	1.078	1.148	1.033	1.053	1.222	1.237	1.288	1.078	1.037
	Max	1.85	2.1	2.3	2.3	2.35	2.55	2.42	2.3	2.35	2.65	2.75	2.7	2.35
Gordon Marine	N	32	29	34	33	36	36	34	33	28	24	20	23	17
	Min	0.15	0.2	0.7	0.44	0	0.6	0.74	0.6	0.4	0.7	0.75	0.75	0.8
	Mean	1.094	1.034	1.113	1.239	1.103	1.187	1.076	1.121	1.211	1.092	1.168	1.18	1.171
	Max	2.25	2.05	1.8	2	2.2	1.9	1.86	1.65	1.5	1.4	1.75	2.2	1.4
Gordon River Extension	N								3	12	11	11	14	18
	Min								1.2	0.85	0.9	1.1	0.7	0.5
	Mean								1.317	1.354	1.391	1.486	1.25	0.947
	Max								1.4	1.8	1.8	2.15	1.85	1.65
Haldeman Cr Lower	N	11	11	12	12	12	12	11	12	16	12	10	12	9
	Min	0.8	0.6	0.9	0.8	0.65	0.6	0.85	1	1.1	0.6	0.85	0.85	0.8
	Mean	1.145	1.164	1.163	1.167	0.967	0.962	1.073	1.128	1.272	1.063	1.1	1.171	1.056
	Max	1.35	1.5	1.5	1.5	1.2	1.45	1.4	1.54	1.7	1.5	1.3	1.5	1.35
Haldeman Cr Upper	N	12	12	12	12	12	12	12	11	12	11	12	12	9
	Min	0.9	0.6	0.75	1.1	0.65	0.8	0.3	0.6	0.5	0.4	0.7	0.6	0.6
	Mean	1.121	1.167	1.158	1.321	1.15	1.138	1.164	1.11	0.779	0.709	0.858	0.875	0.789
	Max	1.35	1.45	1.45	1.5	1.45	1.4	1.55	1.56	1.3	0.9	1	1.1	1
Immokalee Basin	N		21	9	17	8	10	17	12	9	3	1	4	2
	Min		0.1	0.2	0.1	0.2	0.1	0.03	0.1	0.2	0.2	0.2	0.2	0.2

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	22				0		1	10	11	12
	Min	0.45	0	0	0						1.22	1.067	0.7	0.4
	Mean	0.45	0	0	0						1.22	2.239	1.143	1.154
	Max	0.45	0	0	0						1.22	4.5	1.67	1.85
Okaloacoochee Slough	N						3						3	11
	Min						0						0.8	0.25
	Mean						0						0.9	0.879
	Max						0						1	1.7
Rookery Bay Coastal	N	9	10	8	2			0	0	0	0			
	Min	0	0	0	0									
	Mean	0.106	0	0	0									
	Max	0.5	0	0	0									
Rookery Bay East	N	3	11	5	1		0	5	0	0	1	15	14	19
	Min	0	0	0	0			0			1.07	0.305	0.3	0.2
	Mean	0	0	0	0			0			1.07	1.33	0.797	0.726
	Max	0	0	0	0			0			1.07	3.75	1.8	1.55
Rookery Bay West	N	1	4	3	2			0	0	0	1	11	12	12
	Min	0	0	0	0						0.99	0.457	0.5	0.6
	Mean	0	0	0	0						0.99	1.514	0.922	0.839
	Max	0	0	0	0						0.99	3.75	1.65	1.5
Silver Strand	N	1	4	3										
	Min	0	0	0										
	Mean	0	0	0										
	Max	0	0	0										
Tamiami Canal	N	3	12	8	1			0	0	0	0		14	48
	Min	0	0	0	0								0.3	0.2
	Mean	0	0	0	0								1.179	1.094
	Max	0	0	0	0								2.1	2.2
Ten Thousand Islands	N	6	32	20			22	0	0				6	21

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		0.312	0.306	0.324	0.331	0.22	0.311	0.286	0.356	0.2	0.2	0.325	0.25
	Max		0.65	0.6	0.6	0.45	0.3	0.75	0.5	0.5	0.2	0.2	0.5	0.3
Naples Bay	N	11	11	12	12	11	12	11	8					
	Min	0.5	0.7	0.7	0.9	0.95	1	0.85	0.8					
	Mean	0.973	1.041	1.167	1.221	1.182	1.321	1.155	1.344					
	Max	1.55	1.55	1.5	1.55	1.65	1.7	1.7	1.7					
Okaloacoochee Slough	N	12	12	10	12	12	12	12	14	23	17	13	23	18
	Min	0.55	0.6	0.3	0.8	0.5	0.1	0.1	0.2	0.55	0.1	0.3	0.4	0.3
	Mean	1.112	1.204	0.805	1.117	0.892	0.569	0.591	0.884	1.144	0.721	0.762	0.904	0.731
	Max	1.7	1.9	1.2	2	1.2	1.1	0.92	1.4	1.6	1.1	1.25	1.4	1.2
Rookery Bay Coastal	N								0	4				
	Min									0.3				
	Mean									0.563				
	Max									0.8				
Rookery Bay East	N	23	22	24	22	23	24	22	21	16	12	12	11	9
	Min	0.25	0.5	0.4	0.4	0.4	0.35	0.3	0.2	0.5	0.7	0.8	0.85	0.6
	Mean	0.996	1.041	1.027	0.9	0.941	0.896	0.824	0.884	1.288	1.192	1.392	1.236	1.017
	Max	1.7	1.6	1.65	1.7	1.7	1.45	1.56	1.6	1.7	1.8	2.8	1.6	1.45
Rookery Bay West	N	4	12	12	12	12	12	7	9	10	12	12	11	9
	Min	0.3	0.5	0.7	0.6	0.5	0.4	0.86	0.8	0.3	1.1	0.6	1.1	0.65
	Mean	0.775	0.971	0.95	0.913	0.882	0.847	1.087	1.033	1.04	1.492	1.475	1.414	1.267
	Max	1.1	1.55	1.45	1.2	1.45	1.27	1.42	1.3	1.7	1.8	1.7	1.9	2.1
Silver Strand	N		8	7	7	10	12	8	12	12	13	9	12	7
	Min		0.2	0.2	0.3	0.3	0.1	0.25	0.15	0.3	0.2	0.3	0.2	0.2
	Mean		0.394	0.357	0.55	0.465	0.521	0.463	0.373	0.567	0.373	0.533	0.354	0.464
	Max		0.6	0.55	0.9	0.7	0.8	0.75	0.6	0.9	0.9	0.9	0.55	0.8
Tamiami Canal	N	56	56	50	54	52	55	59	44	36	31	36	36	27
	Min	0.1	0.3	0.4	0.2	0.2	0.25	0.2	0.2	0.7	0.2	0.2	0.35	0.2
	Mean	1.08	1.2	1.166	1.221	1.108	1.068	1.195	1.104	1.385	1.135	1.299	1.288	1.175
	Max	2.4	2.5	2.2	2.5	2	2	2.38	2.2	2.15	2.3	2.2	2.15	2.05
Ten Thousand Islands	N	24	24	23	24	24	24	24	24	24	24	24	23	18

(Continued)

*Summary of Annual WQ
1989-2014*

WQ Variable=Secchi Disk Depth(ft)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	0	0	0			0						1.6	0.6
	Mean	0	0	0			0						1.875	1.498
	Max	0	0	0			0						2.3	2.25

**Summary of Annual WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	1.1	1.1	0.8	0.5	1.1	0.9	0.9	0.7	0.95	0.7	0.8	0.7	0.65
	Mean	1.821	1.79	1.689	1.923	1.683	1.498	1.61	1.613	1.858	1.531	1.763	1.767	1.611
	Max	2.45	2.55	2.3	2.9	2.45	2.3	2.3	2.3	2.35	2.45	3	2.55	2.35

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						3	12
	Min	21	22.8	24.3	27.9		23.9						19.3	16.4
	Mean	21	26.55	26.6	27.9		24.25						21.95	24.87
	Max	21	30.1	28.9	27.9		24.6						23.6	28.5
Camp Keais	N		6	16			2	6					6	24
	Min		18.8	15.6			19.8	22					18.6	13.9
	Mean		23.02	23.68			20.2	25.34					21.03	23.11
	Max		27.2	28.7			20.6	27.8					24.15	28
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	12	1		1	4	11	29	70	66	67
	Min	18	20	22	18.2	29.5		19.8	21.6	16	18.05	20.1	17.1	10.75
	Mean	20.76	25.94	27.74	23.19	29.5		19.8	25.73	21.95	27.45	25.63	24.9	25.23
	Max	26.5	32.1	35.5	31.3	29.5		19.8	28.7	30.4	32.5	30.6	31.9	31.6
Cocohatchee River	N	1	10	8	1				4	1	5	24	25	23
	Min	24	19	20.7	24.6				26.6	18.9	21.1	23.5	20	20.2
	Mean	24	26.93	27.35	24.6				29.48	18.9	26.24	26.47	25.67	26.87
	Max	24	33.3	30.6	24.6				32.5	18.9	30.6	31	30.4	31.6
Corkscrew Swamp	N									4	16	12		8
	Min									20.5	20.4	16.8		20.9
	Mean									23.08	25.73	24.67		24.96
	Max									25.9	31	30.9		29.8
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	6					9	36
	Min						20	24.8					19.35	15
	Mean						21.55	27.37					22.06	24.97

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	12	12	12	7	10	14	16	12	12	12	8
	Min	13.5	15.9	16.8	17.65	19.8	21.4	19.9	16.3	11.3	21.55	16.1	20.3	19.4
	Mean	24.17	24.52	24.56	24.66	25.01	25.24	25.73	24.14	22.73	25.62	25.15	24.58	24.74
	Max	28.3	28.15	30.3	29.45	29.4	28.7	29.7	28.1	29.3	30.1	31.4	27.9	29.67
Camp Keais	N	24	24	24	24	23	21	21	23	32	24	15	24	17
	Min	14.85	16.2	17	14.8	16.2	15.7	16.7	15.8	8.8	17.65	11.4	12.8	18.59
	Mean	23.89	23.65	23.34	23.14	23.38	23.76	22.88	22.63	20.92	22.09	20.8	22.93	22.93
	Max	27.8	28.1	28.1	28.5	29.35	28.25	27.8	28.55	29	28.55	26.2	27	27.83
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								24.1	15.2	18.5	19.3	16.5	17
	Mean								24.9	23.98	24.86	25.18	23.96	26.18
	Max								25.5	31.2	29.4	29.9	28.3	30.23
Cocohatchee Inland	N	69	72	72	78	84	72	78	85	108	108	108	109	81
	Min	16.65	14.5	16	14.55	16.1	15.4	16.6	15.6	11.3	13.6	15	15.25	15
	Mean	25.11	25.84	25.35	25.25	25.39	24.9	25.09	25.39	23.93	25.51	25.59	25.06	25.71
	Max	30	30.6	31.2	32	32.5	31.9	31.2	33.2	34.6	32.1	32.4	31.1	31.52
Cocohatchee River	N	23	24	24	24	24	22	24	21	12	12	12	12	9
	Min	17.9	18.6	17.5	16.9	20.3	18.3	19.9	18	15.1	15.9	18.1	18.8	17.5
	Mean	25.92	26.39	26.1	25.52	26.1	26.32	26.12	26.58	24.5	25.9	25.69	25.69	26.4
	Max	30	31.4	32.1	31.1	31.1	32.9	31	32.5	31.4	31.2	31.4	29.6	30.16
Corkscrew Swamp	N	13	16	16	16	12	9	11	11	16	8	10	10	9
	Min	16.8	14.8	18.1	16.8	18.5	15.8	16.6	17.6	8.1	16.6	17	19	21.29
	Mean	23.18	22.12	24.07	22.92	22.56	22.41	23.76	23.68	20.98	21.26	22.92	24.07	25.55
	Max	30.4	29.6	29	30.5	28.9	30.6	29.8	28.1	29.3	24.85	28.2	29.5	31.38
Cow Slough	N		11	6	8	8	4	7	9	12	9	2	8	4
	Min		13	16	17.9	16.2	15.7	17.5	17.3	11.6	20.2	20.5	22.3	19.47
	Mean		23.39	22.7	24.8	23.88	22.75	25.04	24.73	23.14	23.78	23.8	25.81	26.52
	Max		28.4	28.2	29.9	27.3	26.9	29.35	29.5	30.1	30.3	27.1	28.9	29.69
Faka Union North	N	36	34	36	36	36	33	36	36	36	36	36	36	27
	Min	15.65	19.1	17.1	19.05	18.6	16.9	17.8	15.65	12.73	17.3	16.7	20.3	18.8
	Mean	25.43	25.38	25.04	24.97	25.39	25.43	24.92	25.07	23.99	25.43	25.33	25.57	25.82

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						23.1	30.6					25.45	30.1
Faka Union South	N	1	4	3	1		1	4	4	4	2		15	60
	Min	21	24.1	26.1	29.1		20	21.7	20.8	22.3	28.7		18.5	18.5
	Mean	21	27.95	28.43	29.1		20	25.04	25.45	26.18	31.4		22.15	25.14
	Max	21	32.6	30	29.1		20	29	27.5	28.6	34.1		24.9	31.3
Fakahatchee Strand	N	1	7	12	1	1	17	4	4	4	2		9	38
	Min	20.5	21	17	26.5	20.3	18.3	18.5	16.3	17.4	23.2		21.4	18.6
	Mean	20.5	24.7	25.56	26.5	20.3	26.19	24.03	23.73	22.85	26.6		22.2	25.02
	Max	20.5	29	31.9	26.5	20.3	31.8	29.2	28.1	26.2	30		23.1	31.7
Golden Gate	N	4	18	20	27			1	24	66	17	54	46	48
	Min	20.5	20.1	20.4	23.6			20.4	18.1	19.5	23.3	18.7	16.6	17
	Mean	23.5	25.93	24.44	28.62			20.4	21.43	27.41	26.45	25.82	25.22	25.06
	Max	26.5	32.9	30.3	32.9			20.4	29	31.8	29.9	31.1	31.1	30.95
Gordon Marine	N	1			6						3	36	35	36
	Min	24			19.5						23.5	21.3	19.2	19.45
	Mean	24			24.7						23.93	25.92	25.62	26.22
	Max	24			28.25						24.4	30.6	31.9	32.3
Gordon River Extension	N	1	4	6	9			1	23	39	3	3		
	Min	21	20.8	21.4	21.6			18.2	17.7	19.2	23.7	21.7		
	Mean	21	24.95	24.18	26.81			18.2	23.86	27.54	26.27	25.57		
	Max	21	28.9	29.7	30.3			18.2	30.5	37.1	29.9	28.3		
Haldeman Cr Lower	N				5						1	11	11	12
	Min				24.6						24.2	22.4	19.3	19.2
	Mean				27.7						24.2	26.6	26.42	26.73
	Max				30.3						24.2	30.4	32.1	32.1
Haldeman Cr Upper	N	1	4	4	3			1	4	3	1	12	12	12
	Min	17.5	24	21.5	27.2			22.8	19.6	27	24.5	18.8	21.35	19.95
	Mean	17.5	27.5	27.88	28.05			22.8	26.88	29.47	24.5	25.91	26.05	26.2
	Max	17.5	31	32.7	29.75			22.8	32	32.2	24.5	31	30	31.6
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	31.05	30.25	31.35	30.5	32	31.3	30.7	31.4	31.35	32	32.6	29.8	31.91
Faka Union South	N	60	60	59	60	55	44	48	49	44	46	48	49	36
	Min	18.7	15.4	14.9	16.7	14.6	15.8	17	15.8	14.8	18.2	16.2	20.3	16.5
	Mean	25.12	25.45	24.79	24.94	24.66	24.85	24.67	24.87	23.75	25.73	25.25	25.37	25.63
	Max	30.1	31.6	32.5	29.1	30.7	31	31	31.5	32.3	33.3	31.6	29.7	32.55
Fakahatchee Strand	N	40	39	40	40	40	34	39	35	27	26	28	28	20
	Min	18	15.1	13.8	18.3	13.3	15.7	14.7	16.1	12.2	19.5	17.9	20.2	14.3
	Mean	24.68	25.17	23.27	24.91	24.18	23.91	24.31	24.53	23.81	25.51	24.75	25.02	25.72
	Max	29.7	30.8	30.5	30.5	30.3	29.1	30.3	31.2	31.8	31.8	30	29.2	30.47
Golden Gate	N	48	46	47	48	48	44	48	50	59	60	60	65	63
	Min	16.7	16.6	19	17.4	17.7	17.5	17.8	18.75	13.8	17.8	15.25	18.9	18.2
	Mean	25.2	25.39	25.09	25	25.66	25.37	24.72	25.47	23.65	25.5	25.07	25.19	26.23
	Max	31.1	29.9	29.9	29.95	31	31.8	30.5	31.75	30.9	31	30.9	31	31.82
Gordon Marine	N	36	35	35	36	36	33	36	35	29	24	24	23	18
	Min	20.6	14.9	18.7	17.4	18.1	19.1	18.8	17.8	13.6	16.7	19	18.85	18.6
	Mean	26.61	24.93	25.24	25.09	25.13	25.45	25.15	26.17	24.14	26.15	25.98	25.91	25.97
	Max	31	29.75	30.85	30.45	30.75	32.35	30.15	33.05	31.4	32.3	32.2	31.9	31.26
Gordon River Extension	N								3	12	12	13	15	18
	Min								22.8	13.4	21.1	15.1	19.85	17.9
	Mean								24.37	22.74	24.92	24.16	24.23	25.86
	Max								26.4	28.6	28.6	27.65	28.5	30.5
Haldeman Cr Lower	N	12	12	12	12	12	11	12	14	17	12	12	12	9
	Min	20.85	16.6	20	20	20	19.6	20	17.9	15.2	18.5	18.6	19.9	17.9
	Mean	27.4	26.3	26.15	25.6	25.98	26	26.11	26.45	24.07	27	26.87	26.49	27.43
	Max	32	31.6	31.85	32.2	30.6	33.35	31.05	33.7	31.75	32.3	33.85	31.75	33.29
Haldeman Cr Upper	N	12	12	12	12	12	11	12	12	12	12	12	12	9
	Min	17.7	17.5	18.8	17.1	22.3	20.8	18.7	19	12.4	21.4	16.5	19	22.7
	Mean	25.51	26.87	26.18	26.03	26.73	25.79	24.85	26.25	24.3	26.73	25.58	25.63	27.54
	Max	31.2	31	30.5	31.1	30.6	30.8	29	31.6	31.2	31	30.4	30.5	32.04
Immokalee Basin	N		21	9	18	9	9	18	12	9	3	1	4	2
	Min		12	14.8	14.9	14.3	17.8	18.3	16.9	8.9	19.8	24.5	24.6	24.67

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	21				4		1	12	12	12
	Min	25.44	19.1	20.5	24.3				26.5		25	22.3	19	17.4
	Mean	25.44	27.06	26.94	27.82				27.95		25	26.32	25.54	26.1
	Max	25.44	31.2	30.3	33				29.4		25	30.1	31.6	32.2
Okaloacoochee Slough	N						3						3	12
	Min						24.9						19.3	13.45
	Mean						25.5						20.45	24.05
	Max						26.5						22.4	28.8
Rookery Bay Coastal	N	9	10	7	2			11	15	55	60			
	Min	25.33	16.6	22.48	24.15			25.1	21	16.1	18.2			
	Mean	25.94	25.03	29.05	26.58			28.3	26.69	26.16	26.03			
	Max	26.42	30.1	30.82	29			31.05	31.7	31	31.2			
Rookery Bay East	N	3	11	5	1		5	19	8	8	6	17	13	22
	Min	17.8	22.1	21.2	27.55		18	18.8	18.9	20.2	24.4	16.7	20.25	18.2
	Mean	23.27	26.38	26.86	27.55		20.5	27.3	24.19	26.06	28.62	24.96	25.16	25.7
	Max	28	30.3	31.2	27.55		24.8	33	30.2	30.8	34.3	30.4	30.5	31.2
Rookery Bay West	N	1	4	3	2			3	10	4	3	12	12	12
	Min	18	23.4	24	25			18.5	20.5	20.5	24.3	18	21.4	19.2
	Mean	18	28	29.13	27.65			19.47	26.08	25.95	27.1	25.15	26.01	26.06
	Max	18	33.4	32.1	30.3			20.4	31.5	31	30.6	31	30.5	32
Silver Strand	N	1	4	3										
	Min	16	20.6	22.3										
	Mean	16	23.7	27.07										
	Max	16	27.7	29.7										
Tamiami Canal	N	3	12	8	1			5	16	3	2		14	48
	Min	18	21.2	17.8	27.3			20.4	17.5	18.9	24.2		21.9	17
	Mean	22.33	25	24.78	27.3			22.26	27.64	23.5	29.1		23.19	24.79
	Max	25.5	30.7	29.5	27.3			24.3	30.8	27	34		24.2	29.8
Ten Thousand Islands	N	6	32	20			22	6	16				6	24

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		25.22	23.91	24.34	22.19	25.33	25.74	25.93	19.96	21.3	24.5	25.13	25.23
	Max		31.5	29	29.9	26.6	28.6	30.1	31.1	25.8	22.8	24.5	25.7	25.78
Naples Bay	N	12	12	12	12	12	11	12	9					
	Min	20.1	15.2	18	17.25	17.4	18.2	18.75	18.2					
	Mean	26.73	26.03	25.25	24.98	24.92	25.06	25.04	26.88					
	Max	31.7	30.35	31.15	30.95	31.1	32.1	30.6	32.4					
Okaloacoochee Slough	N	12	12	11	12	12	11	12	14	23	17	13	23	18
	Min	11	15.3	15	16.9	18	19.7	17.5	13.8	10.9	18.8	11.5	13.1	17.5
	Mean	22.95	23.92	23.48	24.36	24.39	24.58	23.97	23.91	23.43	23.73	22.19	23.2	24.41
	Max	27.7	28.2	29.8	29.4	29.9	29.9	28.7	29	31.45	28.3	28.4	29.7	30.54
Rookery Bay Coastal	N								2	5				
	Min								23.9	21.5				
	Mean								25.85	23.42				
	Max								27.8	27.8				
Rookery Bay East	N	24	24	24	23	24	22	24	23	17	12	12	12	9
	Min	16.15	15.55	17.2	17.1	21.3	20.5	18	17.3	11.47	20	16.9	18.6	22.3
	Mean	25.61	26.74	25.95	25.4	26.64	26.42	25.53	25.8	23.21	26.47	25.69	25.25	27.46
	Max	30.2	31.9	30.5	31.5	31.4	32.3	30.7	31.8	31.75	32.3	30	28.8	31.8
Rookery Bay West	N	8	12	12	12	12	11	12	10	12	12	12	12	9
	Min	18.1	18.1	19.4	16.2	22.7	20.8	19.1	17.5	14.2	21.05	17.5	19.7	22.6
	Mean	26.04	26.63	25.59	25.1	26.45	25.4	24.45	26.76	23.9	25.87	25.41	25.62	27.16
	Max	30.2	30.9	28.9	30	30	31	29.4	34.1	30	29.1	30.95	30.2	31.39
Silver Strand	N		8	7	8	10	11	9	12	12	13	9	12	7
	Min		18.9	17	16.5	17.3	17.7	19.5	17.6	12.2	18.3	12.9	15.1	20.78
	Mean		25.56	24.54	24.83	24.97	23.88	26.31	25.02	24.48	25.22	23.11	24.67	24.72
	Max		28.6	28.4	30.65	29	28.4	30.4	30.9	32.2	29.9	28.6	30.5	28.15
Tamiami Canal	N	51	56	50	55	52	50	59	44	36	34	36	36	27
	Min	17.3	14.95	17.9	15.8	15.6	21.95	19.3	15.87	15.83	19.05	18.4	20.1	21.65
	Mean	24.1	25.43	24.81	24.98	24.35	25.46	24.88	24.03	24.23	24.72	24.37	24.42	25.77
	Max	29.7	30.4	30.3	32	30.3	29.9	30.4	31.55	30.4	30.2	29.15	29.9	30.21
Ten Thousand Islands	N	24	24	23	24	24	22	24	24	24	24	25	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	23.5	15.5	20.3			26	26.7	24.6				22.65	19.75
	Mean	26.67	26.14	27.73			29.44	28.65	28.03				23.8	25.85
	Max	28	31.7	33.5			32	31.9	30.7				24.9	30.55

**Summary of Annual WQ
1989-2014**

WQ Variable=Temperature (C)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	19.85	16.45	18.6	18.1	17.9	18.75	20.2	16.3	17.05	20.4	20.05	19.7	18.9
	Mean	26.01	26.07	25.73	25.07	24.93	25.64	25.2	24.91	25.2	26.17	25.63	25.63	25.94
	Max	29.7	30.75	31.55	28.45	29.9	31.5	30.65	30.7	32.1	30.7	30.3	29.5	30.08

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						0	0
	Min	0.66	0.54	0.76	0.67		0.095							
	Mean	0.66	0.755	0.81	0.67		0.152							
	Max	0.66	1	0.89	0.67		0.208							
Camp Keais	N		6	15			2	2					0	1
	Min		0.83	0.48			1.5	1						0.44
	Mean		1.013	1.047			1.5	1						0.44
	Max		1.2	1.8			1.5	1						0.44
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	9	1		0	0	1	20	70	49	1
	Min	0.83	0.49	0.47	0.82	2				1.2	0.4	0.1	0.24	0.32
	Mean	1.247	1.517	1.164	2.194	2				1.2	1.818	1.122	1.092	0.32
	Max	1.7	3.3	2.5	4.4	2				1.2	3.3	3.1	2.4	0.32
Cocohatchee River	N	1	10	8	1				0	0	4	24	20	2
	Min	0.56	0.21	0.18	0.55						1.3	0.2	0.28	0.29
	Mean	0.56	0.636	0.468	0.55						1.553	1.294	0.915	0.315
	Max	0.56	1.2	1.4	0.55						1.9	3.6	1.5	0.34
Corkscrew Swamp	N									4	12	12		0
	Min									0.57	0.9	0.7		
	Mean									1.143	1.258	1.471		
	Max									1.64	1.8	3.4		
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	2					1	8
	Min						0.55	0.38					0.34	0.24
	Mean						1.375	0.62					0.34	0.334

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	10	12	11	8	11	7	5	13	16	12	12	12	8
	Min	0.24	0.57	0.631	0.6	0.12	1.12	1	0.304	0.61	0.991	0.538	0.501	1.01
	Mean	1.116	0.953	1.204	1.069	1.088	1.333	1.416	1.213	1.072	1.448	1.177	0.887	1.313
	Max	2.4	2	3.311	1.8	2.2	1.82	1.72	3.038	2.1	3.05	1.91	1.19	1.76
Camp Keais	N	20	24	17	14	19	20	19	23	32	24	15	24	17
	Min	0.24	0.21	0.246	0.21	0.04	0.04	0.43	0.076	0.059	0.306	0.295	0.247	0.303
	Mean	0.797	0.64	0.629	0.756	0.838	1.018	1.181	1.169	0.872	1.299	1.329	1.023	0.967
	Max	1.6	1.1	1.2	1.31	2.46	2.76	3	4.141	2.35	7.35	3.77	1.84	2.67
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								1.361	0.64	0.666	0.186	0.382	0.582
	Mean								1.864	0.839	1.089	0.616	0.769	0.996
	Max								2.448	1.55	1.57	0.939	1.66	2.17
Cocohatchee Inland	N	57	67	48	52	57	78	75	84	108	107	108	108	81
	Min	0.35	0.29	0.42	0.3	0.04	0.04	0.05	0.076	0.059	0.463	0.219	0.051	0.526
	Mean	0.927	0.872	0.81	0.863	0.833	0.873	0.893	0.854	0.922	0.96	0.905	0.784	0.857
	Max	1.9	4.3	1.518	2.1	4.83	1.82	3.27	3.08	2.774	3.16	3.53	1.64	1.63
Cocohatchee River	N	20	22	16	18	15	23	24	20	12	12	12	12	9
	Min	0.54	0.34	0.149	0.33	0.04	0.04	0.24	0.076	0.341	0.354	0.222	0.059	0.27
	Mean	0.765	0.689	0.667	0.666	0.522	0.686	0.855	0.599	0.752	0.656	0.556	0.573	0.544
	Max	1.2	0.94	0.88	0.99	0.89	1.09	1.15	1.174	0.939	0.947	0.849	0.838	0.852
Corkscrew Swamp	N	11	16	12	0	8	9	9	11	16	8	10	10	9
	Min	0.67	0.48	0.533		0.6	0.54	0.39	0.125	0.439	0.475	0.345	0.43	0.518
	Mean	1.496	0.864	1.628		1.088	2.358	2.05	1.263	1.02	1.471	1.051	0.95	1.31
	Max	3.9	1.5	5.527		1.74	9.85	4.77	2.629	2.18	3.56	3.11	1.66	4.9
Cow Slough	N		11	5	5	6	4	7	9	12	9	2	7	4
	Min		0.58	0.83	0.8	0.81	0.69	0.74	0.076	0.41	0.795	1.64	0.713	1.3
	Mean		1.145	1.07	1.436	1.152	1.065	1.224	0.984	1.315	1.271	1.735	1.476	1.463
	Max		1.7	1.4	2.2	1.59	1.49	1.61	1.977	2.86	1.69	1.83	2.15	1.62
Faka Union North	N	30	34	28	17	31	33	33	34	36	36	36	36	27
	Min	0.24	0.31	0.26	0.21	0.04	0.23	0.04	0.076	0.15	0.336	0.247	0.292	0.051
	Mean	0.561	0.591	0.576	0.602	0.468	0.667	0.698	0.518	0.594	0.595	0.642	0.572	0.77

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						2.2	0.86					0.34	0.43
Faka Union South	N	1	4	3	1		1	2	4	4	1		5	13
	Min	0.87	0.61	0.3	0.33		0.38	0.33	0.39	0.36	0.54		0.26	0.24
	Mean	0.87	1.02	0.46	0.33		0.38	0.645	0.443	0.503	0.54		0.338	0.328
	Max	0.87	1.5	0.74	0.33		0.38	0.96	0.51	0.59	0.54		0.39	0.44
Fakahatchee Strand	N	1	7	11	0	1	16	2	4	4	1		2	4
	Min	1.1	0.67	0.4		1	0.117	0.61	0.66	0.7	0.81		0.34	0.31
	Mean	1.1	1.054	0.949		1	0.747	1.055	1.043	1.093	0.81		0.345	0.973
	Max	1.1	1.5	2		1	4.7	1.5	1.8	1.9	0.81		0.35	2.7
Golden Gate	N	4	18	20	21			1	3	57	15	54	32	3
	Min	0.79	0.28	0.27	0.06			1.3	0.59	0.16	0.7	0.01	0.31	0.27
	Mean	0.953	0.719	0.757	0.593			1.3	0.633	0.902	1.373	1.587	0.854	0.33
	Max	1.1	1.3	1.4	0.97			1.3	0.66	2.48	2.93	22.3	1.5	0.38
Gordon Marine	N	1			6						3	36	23	3
	Min	1.4			0.11						0.9	0	0.4	0.3
	Mean	1.4			0.433						1.067	2.218	0.951	0.347
	Max	1.4			0.73						1.3	43.1	1.7	0.4
Gordon River Extension	N	1	4	6	7			1	3	4	2	3		
	Min	1	0.95	0.14	0.41			1.5	0.72	1.1	0.8	0.78		
	Mean	1	1.03	0.777	2.857			1.5	0.933	1.375	0.875	0.96		
	Max	1	1.2	1.1	14.38			1.5	1.2	1.7	0.95	1.2		
Haldeman Cr Lower	N				4						1	11	5	1
	Min				0.61						1	0.8	0.7	0.33
	Mean				0.785						1	1.314	0.96	0.33
	Max				1.2						1	2.5	1.1	0.33
Haldeman Cr Upper	N	1	4	4	2			0	0	2	1	12	9	2
	Min	0.81	0.89	0.62	0.85					0.75	0.9	0.65	0.6	0.26
	Mean	0.81	1.623	0.763	0.9					0.76	0.9	1.181	1.057	0.315
	Max	0.81	3.3	0.94	0.95					0.77	0.9	2.2	1.6	0.37
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	1.1	1.5	0.976	0.87	1.88	1.038	1.7	1.064	1.04	0.995	1.25	1.01	3.94
Faka Union South	N	54	54	50	34	45	47	44	49	44	46	48	49	36
	Min	0.24	0.22	0.04	0.04	0.04	0.04	0.1	0.267	0.059	0.253	0.059	0.207	0.181
	Mean	0.456	0.447	0.567	0.519	0.775	0.936	0.699	0.738	0.688	0.807	0.715	0.609	0.644
	Max	1.6	1.3	1.75	1.64	3.72	9.1	3.43	2.328	2.29	5.33	2.38	1.73	1.57
Fakahatchee Strand	N	34	39	33	32	33	34	35	34	27	26	28	28	20
	Min	0.41	0.24	0.294	0.31	0.04	0.39	0.1	0.059	0.547	0.45	0.548	0.532	0.286
	Mean	0.876	0.829	1.002	0.914	1.5	1.675	1.228	1.582	1.094	1.774	1.501	1.379	1.277
	Max	2	1.7	2.4	1.74	5.19	2.79	2.57	9.039	1.934	3.67	3.7	5.38	2.35
Golden Gate	N	41	44	36	28	36	44	47	47	59	60	60	65	63
	Min	0.24	0.45	0.329	0.21	0.2	0.04	0.04	0.076	0.186	0.443	0.243	0.344	0.083
	Mean	0.884	0.794	0.811	0.758	0.997	0.895	0.903	0.918	0.906	0.939	0.873	0.858	0.806
	Max	2.3	1.7	1.844	1.46	2.65	2.01	2.25	2.314	1.945	2.74	2.36	1.89	2.11
Gordon Marine	N	27	29	23	22	31	36	33	35	29	24	24	23	18
	Min	0.45	0.45	0.21	0.3	0.04	0.04	0.1	0.144	0.4	0.219	0.225	0.219	0.198
	Mean	0.702	0.712	0.56	0.634	1.006	0.794	0.835	0.734	0.716	0.824	0.687	0.584	0.605
	Max	1.1	1.7	1.2	1	2.36	3.11	3.68	1.788	1.19	4.3	1.15	1.02	0.978
Gordon River Extension	N								3	12	12	12	15	18
	Min								0.881	0.884	0.761	0.686	0.642	0.464
	Mean								1.258	1.149	1.217	1.142	1.029	0.841
	Max								1.618	1.95	2.34	1.43	1.66	1.28
Haldeman Cr Lower	N	8	10	8	8	10	12	12	13	17	12	12	12	9
	Min	0.62	0.21	0.21	0.27	0.04	0.04	0.39	0.076	0.35	0.14	0.32	0.051	0.347
	Mean	0.793	0.65	0.488	0.644	0.945	0.634	0.821	0.74	0.671	0.77	0.63	0.503	0.675
	Max	0.99	1.5	0.71	1.01	2.25	1.06	1.65	1.122	1.02	1.21	1.08	0.856	0.873
Haldeman Cr Upper	N	10	11	9	9	9	11	12	12	12	12	12	12	9
	Min	0.24	0.48	0.562	0.43	0.1	0.42	0.56	0.604	0.585	0.763	0.723	0.051	0.631
	Mean	0.891	0.662	0.807	0.732	0.753	0.877	0.826	0.95	0.96	1.134	0.906	0.698	0.762
	Max	1.5	0.89	1.28	1.01	1.86	1.39	1.7	1.43	1.47	2.33	1.47	0.877	0.964
Immokalee Basin	N		19	6	11	9	10	15	12	9	3	1	4	2
	Min		0.3	0.42	0.4	0.61	0.28	0.28	0.076	0.56	1.06	1.39	0.67	0.947

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	15				0		1	12	10	2
	Min	0.86	0.22	0.16	0.45						0.8	0.1	0.2	0.31
	Mean	0.86	0.496	0.483	0.964						0.8	1.173	0.796	0.33
	Max	0.86	0.9	0.71	4.35						0.8	4	1.9	0.35
Okaloacoochee Slough	N						3						0	0
	Min						0.468							
	Mean						5.356							
	Max						14.5							
Rookery Bay Coastal	N	2	10	6	1			3	0	0	0			
	Min	0.89	0.26	0.1	0.77			0.13						
	Mean	0.995	0.459	0.308	0.77			0.477						
	Max	1.1	0.9	0.46	0.77			0.92						
Rookery Bay East	N	3	11	5	1		5	7	3	5	3	16	2	1
	Min	0.93	0.58	0.43	1.025		0.27	0.54	0.67	0.69	0.78	0.08	0.29	0.31
	Mean	1.11	1.037	0.786	1.025		1.092	0.863	0.943	0.96	0.86	1.123	0.595	0.31
	Max	1.3	1.6	1.01	1.025		2.6	1.6	1.4	1.32	1	2.5	0.9	0.31
Rookery Bay West	N	1	4	3	2			1	3	4	2	12	9	2
	Min	0.88	0.58	0.53	0.56			1.1	0.58	0.64	0.75	0.8	0.67	0.25
	Mean	0.88	0.875	0.653	0.62			1.1	0.757	0.738	0.775	1.415	1.129	0.305
	Max	0.88	1.5	0.75	0.68			1.1	0.88	0.8	0.8	3.7	2.6	0.36
Silver Strand	N	1	4	3										
	Min	1.1	1	1										
	Mean	1.1	1.175	1.167										
	Max	1.1	1.5	1.3										
Tamiami Canal	N	3	12	7	1			1	4	3	1		1	9
	Min	0.75	0.71	0.46	0.62			0.54	0.51	0.42	0.58		0.32	0.3
	Mean	1.067	1.044	0.789	0.62			0.54	0.843	0.483	0.58		0.32	0.381
	Max	1.7	1.6	1.1	0.62			0.54	1.8	0.56	0.58		0.32	0.47
Ten Thousand Islands	N	6	31	19			11	1	0				3	5

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		0.966	0.787	0.909	0.853	1.281	1.039	0.745	0.939	1.1	1.39	0.996	1.074
	Max		2.3	1.5	1.31	1.22	2.37	1.51	1.788	1.58	1.18	1.39	1.41	1.2
Naples Bay	N	11	10	8	7	11	9	12	9					
	Min	0.24	0.24	0.18	0.16	0.04	0.04	0.28	0.076					
	Mean	0.582	0.584	0.53	0.427	0.638	0.571	0.598	0.47					
	Max	1.2	0.85	0.91	0.69	1.91	1.02	0.99	0.852					
Okaloacoochee Slough	N	10	12	9	8	10	10	12	14	23	17	13	23	18
	Min	0.99	0.81	0.04	0.5	0.87	2.05	1.77	1.105	0.38	1.13	1.24	0.695	1.01
	Mean	1.759	1.219	1.447	1.561	1.929	2.769	5.064	2.574	1.316	2.346	2.512	1.626	2.456
	Max	3	2.1	2.398	2.5	4.2	4.48	35.35	15.98	2.47	7.09	4.29	5.3	13.3
Rookery Bay Coastal	N								2	5				
	Min								0.66	0.74				
	Mean								0.825	1.386				
	Max								0.99	3.33				
Rookery Bay East	N	21	22	18	16	18	22	24	23	17	12	12	12	9
	Min	0.24	0.37	0.194	0.44	0.3	0.16	0.1	0.076	0.445	0.535	0.452	0.468	0.335
	Mean	0.665	0.611	0.659	0.726	0.786	0.733	0.755	0.879	0.832	0.712	0.681	0.669	0.612
	Max	1.2	0.93	1.2	1	1.98	1.25	1.41	2.608	1.32	0.981	1.05	1.21	0.875
Rookery Bay West	N	8	11	9	9	9	11	11	10	12	12	12	12	9
	Min	0.51	0.48	0.56	0.35	0.59	0.37	0.49	0.187	0.43	0.498	0.375	0.391	0.262
	Mean	0.73	0.635	0.71	0.697	0.982	0.822	0.611	0.643	0.714	0.617	0.564	0.511	0.502
	Max	1	1	0.88	1	1.99	1.86	0.88	0.905	1.46	0.843	0.817	0.617	0.659
Silver Strand	N		7	5	6	8	11	9	12	12	12	9	12	7
	Min		1.6	1.3	1	0.88	0.04	0.39	0.076	0.059	0.932	0.654	0.949	1.33
	Mean		2.1	1.62	1.577	1.271	1.223	1.379	1.431	1.29	2.074	1.463	1.625	5.396
	Max		2.8	2.2	2.12	1.7	2.3	2.55	2.566	1.98	4.26	2.56	2.57	12.6
Tamiami Canal	N	51	56	34	38	40	51	50	43	36	34	36	36	27
	Min	0.24	0.21	0.39	0.04	0.27	0.04	0.24	0.076	0.221	0.333	0.307	0.289	0.234
	Mean	0.717	0.653	0.669	0.701	0.81	0.743	0.715	0.689	0.507	0.622	0.569	0.508	0.531
	Max	2.5	1.6	1.35	2.9	3.83	1.4	1.82	2.854	0.926	1.65	0.9	0.889	1.18
Ten Thousand Islands	N	22	22	19	16	20	23	22	23	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	0.3	0.23	0.22			0.046	0.21					0.3	0.24
	Mean	0.56	0.656	0.561			0.609	0.21					0.35	0.324
	Max	0.74	1.2	1			1.42	0.21					0.39	0.39

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	0.24	0.24	0.04	0.14	0.3	0.04	0.1	0.147	0.244	0.356	0.281	0.354	0.051
	Mean	0.576	0.481	0.522	0.438	0.961	0.656	0.699	0.699	0.619	0.712	0.683	0.587	0.515
	Max	1	0.9	0.85	0.74	2.44	1.4	1.31	1.5	1.37	1.3	1.71	1.07	0.823

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	2	0		2						0	0
	Min	0.74	0.74	0.77			0.12							
	Mean	0.74	0.853	0.785			0.194							
	Max	0.74	1.06	0.8			0.267							
Camp Keais	N		6	16			0	0					0	1
	Min		0.85	0.36										0.46
	Mean		1.04	1.016										0.46
	Max		1.22	1.81										0.46
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	1	0		0	0	1	12	70	48	1
	Min	0.89	0.6	0.48	1.881					1.26	0.55	0.02	0.25	0.34
	Mean	1.461	1.713	1.188	1.881					1.26	1.96	1.17	1.144	0.34
	Max	1.94	3.58	2.51	1.881					1.26	3.18	3.29	2.41	0.34
Cocohatchee River	N	1	10	6	1				0	0	2	24	19	0
	Min	0.73	0.46	0.21	0.717						1.92	0.4	0	
	Mean	0.73	0.818	0.558	0.717						2	1.388	0.984	
	Max	0.73	1.59	1.41	0.717						2.08	3.76	1.53	
Corkscrew Swamp	N									1	4	12		0
	Min									0.65	0.9	0.7		
	Mean									0.65	1.278	1.522		
	Max									0.65	1.8	3.41		
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						1	1					0	3
	Min						3.08	2.29						0.26
	Mean						3.08	2.29						0.35

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	9	11	11	8	9	7	5	13	16	12	12	12	8
	Min	0.262	0.582	0.716	0.63	0.14	1.14	1.01	0.326	0.62	1.043	0.541	0.537	1.012
	Mean	1.187	1.022	1.25	1.084	1.146	1.356	1.449	1.253	1.133	1.496	1.196	0.907	1.324
	Max	2.45	2.035	3.325	1.81	2.21	1.87	1.738	3.044	2.241	3.06	1.913	1.201	1.781
Camp Keais	N	19	23	17	12	17	19	19	23	32	24	15	24	17
	Min	0.26	0.222	0.256	0.215	0.05	0.05	0.436	0.086	0.061	0.31	0.308	0.259	0.31
	Mean	0.817	0.661	0.645	0.732	0.904	0.943	1.193	1.162	0.887	1.318	1.337	1.038	0.977
	Max	1.613	1.112	1.216	1.393	2.47	2.09	3.004	4.143	2.423	7.568	3.782	1.846	2.696
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								1.431	0.677	0.695	0.328	0.72	0.738
	Mean								1.92	1.005	1.186	0.945	1.072	1.296
	Max								2.488	1.679	1.61	1.335	1.903	2.263
Cocohatchee Inland	N	57	67	48	49	57	77	73	84	108	107	108	108	81
	Min	0.362	0.472	0.433	0.622	0.053	0.073	0.062	0.091	0.09	0.472	0.245	0.178	0.579
	Mean	1	0.933	0.887	0.979	0.912	0.899	0.956	0.924	1.013	1.029	0.973	0.873	0.921
	Max	1.954	4.314	1.856	2.113	5.975	1.86	3.601	3.098	2.799	3.166	3.554	1.655	1.632
Cocohatchee River	N	20	22	16	18	14	23	24	20	12	12	12	12	9
	Min	0.625	0.374	0.162	0.408	0.05	0.1	0.381	0.106	0.416	0.358	0.253	0.098	0.282
	Mean	0.864	0.782	0.758	0.804	0.587	0.735	0.983	0.672	0.868	0.722	0.618	0.651	0.622
	Max	1.333	1.053	1.02	1.039	0.94	1.165	1.251	1.224	1.114	1.142	1.021	0.967	0.973
Corkscrew Swamp	N	11	16	10	0	8	9	9	11	16	8	10	10	9
	Min	0.81	0.612	0.608		0.61	0.562	0.4	0.129	0.472	0.544	0.478	0.576	0.579
	Mean	1.555	0.921	1.604		1.13	2.393	2.105	1.297	1.093	1.554	1.104	1.078	1.4
	Max	3.93	1.747	5.716		1.75	9.88	4.773	2.635	2.182	3.568	3.146	1.664	4.914
Cow Slough	N		7	5	5	6	4	7	9	12	9	2	7	4
	Min		0.622	0.93	1.07	0.97	0.82	0.8	0.141	0.422	0.822	1.752	0.724	1.307
	Mean		1.227	1.121	1.553	1.212	1.13	1.267	1.032	1.367	1.32	1.799	1.496	1.501
	Max		2.017	1.412	2.286	1.62	1.51	1.624	2	2.937	1.705	1.845	2.16	1.745
Faka Union North	N	29	32	27	14	29	32	33	34	36	36	36	36	27
	Min	0.31	0.322	0.267	0.299	0.05	0.24	0.052	0.08	0.167	0.342	0.265	0.296	0.063
	Mean	0.622	0.642	0.595	0.643	0.499	0.671	0.713	0.528	0.615	0.617	0.66	0.595	0.78

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						3.08	2.29						0.45
Faka Union South	N	1	4	3	0		0	1	1	3	0		0	8
	Min	1.28	0.69	0.32				0.989	0.525	0.367				0.26
	Mean	1.28	1.963	0.488				0.989	0.525	0.527				0.363
	Max	1.28	3.71	0.75				0.989	0.525	0.615				0.49
Fakahatchee Strand	N	1	7	7	0	1	15	1	0	2	0		0	2
	Min	1.12	0.69	0.56		1.012	0.206	1.506		0.855				0.45
	Mean	1.12	1.081	0.903		1.012	0.846	1.506		0.892				0.46
	Max	1.12	1.52	1.22		1.012	4.772	1.506		0.928				0.47
Golden Gate	N	4	17	11	1			1	2	5	6	54	32	0
	Min	1.01	0.33	0.29	0.38			1.4	0.711	0.585	0.97	0.03	0.37	
	Mean	1.11	0.906	0.779	0.38			1.4	0.713	1.014	1.942	1.625	0.895	
	Max	1.22	2.51	1.215	0.38			1.4	0.715	2.14	3.04	22.3	1.51	
Gordon Marine	N	1			0						3	36	25	0
	Min	1.53									1.05	0.06	0.07	
	Mean	1.53									1.187	2.314	0.93	
	Max	1.53									1.42	43.17	1.73	
Gordon River Extension	N	1	4	5	2			1	3	4	2	3		
	Min	1.47	1.1	0.97	0.84			1.81	0.98	1.182	0.83	0.82		
	Mean	1.47	1.27	1.101	7.72			1.81	1.073	1.623	0.947	1.003		
	Max	1.47	1.51	1.32	14.6			1.81	1.258	1.87	1.064	1.24		
Haldeman Cr Lower	N				1						1	11	5	0
	Min				0.8						1.05	0.86	0.73	
	Mean				0.8						1.05	1.389	0.984	
	Max				0.8						1.05	2.68	1.11	
Haldeman Cr Upper	N	1	4	3	0			0	0	0	1	12	9	0
	Min	0.96	0.99	0.7							0.99	0.66	0.61	
	Mean	0.96	1.998	0.823							0.99	1.293	1.137	
	Max	0.96	4.27	0.95							0.99	2.57	1.8	
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	1.25	1.542	1.021	0.887	1.89	1.048	1.757	1.07	1.073	1.047	1.252	1.015	3.942
Faka Union South	N	54	54	44	31	45	47	44	49	44	46	48	49	36
	Min	0.252	0.23	0.055	0.052	0.05	0.05	0.103	0.271	0.064	0.255	0.061	0.215	0.186
	Mean	0.475	0.465	0.557	0.518	0.822	0.947	0.713	0.749	0.695	0.816	0.724	0.624	0.655
	Max	1.62	1.314	1.614	1.283	5.03	9.11	3.44	2.335	2.292	5.341	2.387	1.738	1.576
Fakahatchee Strand	N	34	39	27	29	31	34	34	34	27	26	28	28	20
	Min	0.422	0.262	0.318	0.322	0.08	0.4	0.115	0.063	0.55	0.453	0.553	0.536	0.32
	Mean	0.891	0.843	0.882	0.855	1.561	1.691	1.202	1.61	1.102	1.786	1.508	1.389	1.302
	Max	2.015	1.713	2.417	1.704	5.32	2.828	2.59	9.062	1.936	3.68	3.714	5.398	2.394
Golden Gate	N	41	43	34	22	34	43	47	47	59	60	60	65	63
	Min	0.252	0.505	0.433	0.261	0.23	0.11	0.104	0.088	0.321	0.446	0.282	0.354	0.085
	Mean	0.934	0.85	0.896	0.814	1.075	0.919	0.948	0.968	0.967	0.969	0.903	0.908	0.844
	Max	2.34	1.715	1.867	1.473	2.73	2.07	2.269	2.393	2.002	2.832	2.379	1.961	2.2
Gordon Marine	N	27	29	23	20	21	34	33	35	29	24	24	23	18
	Min	0.49	0.482	0.222	0.328	0.13	0.1	0.12	0.15	0.44	0.247	0.237	0.229	0.231
	Mean	0.785	0.801	0.635	0.702	1.29	0.833	0.905	0.808	0.816	0.896	0.742	0.645	0.669
	Max	1.158	1.793	1.228	1.077	2.28	3.14	3.772	1.856	1.369	4.358	1.21	1.064	1.087
Gordon River Extension	N								3	12	12	12	15	18
	Min								1.238	1.027	1.037	0.954	0.667	0.472
	Mean								1.534	1.343	1.355	1.291	1.177	0.936
	Max								1.776	1.974	2.495	1.593	1.766	1.527
Haldeman Cr Lower	N	8	10	8	6	8	11	12	13	16	12	12	12	9
	Min	0.717	0.258	0.24	0.32	0.08	0.062	0.417	0.238	0.375	0.15	0.332	0.069	0.382
	Mean	0.839	0.701	0.522	0.626	0.924	0.653	0.861	0.805	0.708	0.814	0.665	0.532	0.71
	Max	1.026	1.535	0.746	1.002	1.89	1.12	1.66	1.249	1.049	1.285	1.166	0.885	0.946
Haldeman Cr Upper	N	10	11	7	7	8	8	12	12	12	12	12	12	9
	Min	0.252	0.554	0.613	0.52	0.39	0.43	0.613	0.708	0.645	0.783	0.743	0.068	0.634
	Mean	0.931	0.701	0.88	0.802	0.843	0.886	0.874	1.018	1.001	1.179	0.949	0.726	0.798
	Max	1.527	0.973	1.424	1.05	1.87	1.215	1.72	1.441	1.498	2.334	1.581	0.914	1.028
Immokalee Basin	N		11	6	9	7	10	15	11	9	3	1	4	2
	Min		0.346	0.425	0.409	0.66	0.68	0.406	0.078	0.569	1.065	1.416	0.677	0.954

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	3	1				0		1	12	9	0
	Min	0.88	0.34	0.45	0.508						0.89	0.1	0.21	
	Mean	0.88	0.553	0.598	0.508						0.89	0.936	0.873	
	Max	0.88	0.92	0.875	0.508						0.89	3.2	1.91	
Okaloacoochee Slough	N						3						0	0
	Min						0.591							
	Mean						5.468							
	Max						14.61							
Rookery Bay Coastal	N	2	6	0	0			0	0	0	0			
	Min	0.91	0.28											
	Mean	1.015	0.483											
	Max	1.12	0.93											
Rookery Bay East	N	3	11	5	0		0	2	1	3	2	16	0	0
	Min	1.11	0.73	0.51				1.25	1.414	0.788	0.85	0.09		
	Mean	1.247	1.41	0.814				1.505	1.414	1.106	0.95	1.144		
	Max	1.32	4.22	1.03				1.76	1.414	1.5	1.05	2.51		
Rookery Bay West	N	1	4	3	0			1	3	4	1	12	9	0
	Min	0.95	0.7	0.54				1.166	0.612	0.674	0.88	0.85	0.76	
	Mean	0.95	1.103	0.667				1.166	0.786	0.814	0.88	1.484	1.186	
	Max	0.95	2.15	0.76				1.166	0.922	0.89	0.88	3.72	2.61	
Silver Strand	N	1	4	3										
	Min	1.21	1.02	1.21										
	Mean	1.21	1.305	1.257										
	Max	1.21	1.68	1.32										
Tamiami Canal	N	3	11	7	0			1	1	1	0		0	7
	Min	0.93	0.75	0.48				0.564	1.811	0.425				0.32
	Mean	1.22	1.254	0.859				0.564	1.811	0.425				0.419
	Max	1.76	1.87	1.11				0.564	1.811	0.425				0.49
Ten Thousand Islands	N	6	31	17			11	0	0				0	3

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		1.186	1.012	1.245	0.906	2.006	1.327	0.895	0.955	1.105	1.416	1.002	1.082
	Max		2.314	1.81	2.11	1.28	3.02	3.583	2.171	1.619	1.184	1.416	1.416	1.21
Naples Bay	N	11	10	8	7	7	8	12	9					
	Min	0.252	0.262	0.229	0.175	0.1	0.09	0.335	0.113					
	Mean	0.632	0.645	0.587	0.506	0.846	0.585	0.644	0.505					
	Max	1.213	0.862	0.95	0.79	1.95	1.04	1.053	0.88					
Okaloacoochee Slough	N	9	11	9	8	9	9	12	12	23	17	13	23	18
	Min	1.214	0.822	0.057	0.508	0.88	2.06	1.776	1.131	0.387	1.138	1.245	0.721	1.022
	Mean	1.86	1.271	1.463	1.583	1.919	2.592	5.076	2.814	1.323	2.376	2.521	1.635	2.466
	Max	3.014	2.214	2.415	2.564	4.23	3.28	35.35	15.99	2.475	7.108	4.302	5.314	13.32
Rookery Bay Coastal	N								1	5				
	Min								1.045	0.801				
	Mean								1.045	1.424				
	Max								1.045	3.335				
Rookery Bay East	N	21	22	17	15	15	20	24	22	17	12	12	12	9
	Min	0.27	0.423	0.333	0.451	0.31	0.34	0.105	0.08	0.455	0.538	0.454	0.47	0.337
	Mean	0.695	0.642	0.714	0.783	0.819	0.763	0.784	0.926	0.928	0.735	0.71	0.749	0.62
	Max	1.212	0.952	1.214	1.097	1.99	1.282	1.42	2.614	1.646	1.117	1.104	1.276	0.902
Rookery Bay West	N	8	11	9	8	8	10	11	10	12	12	12	12	9
	Min	0.524	0.514	0.572	0.43	0.68	0.39	0.511	0.256	0.491	0.506	0.424	0.424	0.27
	Mean	0.773	0.708	0.781	0.783	1.105	0.751	0.637	0.706	0.808	0.671	0.614	0.579	0.546
	Max	1.02	1.023	0.942	1.07	2	0.91	0.89	0.91	1.585	0.917	0.924	0.719	0.719
Silver Strand	N		5	4	4	7	11	9	10	12	12	9	12	7
	Min		2.261	1.9	1.82	1.42	0.53	0.86	0.406	1.159	1.266	0.743	1.253	2.157
	Mean		3.251	2.625	2.154	2.071	1.689	1.619	2.051	2.132	2.669	1.999	2.474	9.148
	Max		4.207	3.708	3.018	2.85	3.73	2.979	3.396	3.17	5.014	2.835	3.73	22.8
Tamiami Canal	N	51	56	34	38	40	51	49	42	36	34	36	36	27
	Min	0.255	0.222	0.395	0.062	0.29	0.05	0.26	0.081	0.227	0.339	0.34	0.293	0.251
	Mean	0.751	0.678	0.7	0.727	0.844	0.768	0.735	0.671	0.524	0.648	0.594	0.536	0.561
	Max	2.512	1.774	1.415	2.91	3.872	1.42	1.873	1.902	0.928	1.665	0.94	1.067	1.2
Ten Thousand Islands	N	22	22	17	16	20	23	21	23	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	0.252	0.252	0.063	0.152	0.32	0.05	0.105	0.16	0.251	0.401	0.284	0.382	0.066
	Mean	0.601	0.504	0.55	0.465	0.982	0.674	0.712	0.743	0.633	0.729	0.699	0.604	0.533
	Max	1.022	0.942	0.878	0.801	2.472	1.42	1.34	1.6	1.395	1.31	1.725	1.079	0.847

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	2	2	1		2						0	0
	Min	0.12	0.06	0.04	0.07		0.02							
	Mean	0.12	0.17	0.046	0.07		0.035							
	Max	0.12	0.28	0.052	0.07		0.05							
Camp Keais	N		4	14			2	4					0	2
	Min		0.09	0.02			0.52	0.014						0.01
	Mean		0.4	0.221			0.595	0.191						0.01
	Max		1.2	1.3			0.67	0.52						0.01
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	21	12	8	1		1	4	10	28	70	50	5
	Min	0.08	0.09	0.03	0.02	0.17		0.01	0.02	0.02	0.02	0.01	0.01	0.01
	Mean	1.254	3.289	2.432	1.451	0.17		0.01	0.03	0.209	0.475	0.049	0.041	0.01
	Max	4.7	9.9	9.6	4.6	0.17		0.01	0.04	0.84	2.75	0.2	0.18	0.01
Cocohatchee River	N	1	10	8	1				4	1	5	24	19	0
	Min	0.16	0.15	0.06	0.34				0.02	0.07	0.03	0.02	0.01	
	Mean	0.16	0.617	0.19	0.34				0.035	0.07	0.108	0.075	0.179	
	Max	0.16	2.2	0.449	0.34				0.05	0.07	0.29	0.2	2.08	
Corkscrew Swamp	N									3	15	12		3
	Min									0.01	0.01	0.02		0.01
	Mean									0.013	0.041	0.058		0.01
	Max									0.02	0.17	0.17		0.01
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						1	5					0	5
	Min						0.46	0.04						0.01
	Mean						0.46	0.106						0.01

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	11	10	10	11	10	7	10	13	14	12	12	12	8
	Min	0.02	0.028	0.036	0.01	0.018	0.051	0.042	0.021	0.014	0.035	0.011	0.015	0.043
	Mean	0.047	0.097	0.065	0.046	0.088	0.085	0.1	0.066	0.098	0.093	0.088	0.043	0.088
	Max	0.08	0.47	0.13	0.1	0.156	0.14	0.252	0.12	0.497	0.166	0.414	0.064	0.141
Camp Keais	N	20	18	20	20	20	21	21	23	32	24	15	24	17
	Min	0.007	0.008	0.01	0.006	0.02	0.011	0.021	0.004	0.004	0.011	0.009	0.01	0.004
	Mean	0.061	0.057	0.089	0.052	0.095	0.161	0.116	0.066	0.088	0.105	0.103	0.101	0.099
	Max	0.321	0.161	0.395	0.26	0.436	0.876	0.556	0.208	0.513	0.93	0.512	0.776	0.618
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								0.025	0.013	0.015	0.009	0.004	0.017
	Mean								0.031	0.025	0.031	0.016	0.023	0.161
	Max								0.038	0.039	0.046	0.038	0.045	1.2
Cocohatchee Inland	N	65	63	67	60	83	67	78	85	108	107	108	108	81
	Min	0.01	0.011	0.004	0.007	0.009	0.01	0.012	0.004	0.004	0.004	0.004	0.004	0.01
	Mean	0.048	0.079	0.083	0.069	0.071	0.056	0.055	0.055	0.097	0.097	0.078	0.092	0.081
	Max	0.197	0.428	0.405	0.563	0.411	0.2	0.243	0.49	0.593	0.429	0.55	0.444	0.401
Cocohatchee River	N	20	22	22	19	24	20	24	21	12	12	12	12	9
	Min	0.017	0.02	0.025	0.02	0.022	0.009	0.007	0.022	0.023	0.035	0.027	0.032	0.01
	Mean	0.07	0.072	0.077	0.088	0.069	0.087	0.067	0.066	0.058	0.064	0.055	0.054	0.064
	Max	0.178	0.177	0.174	0.285	0.153	0.225	0.171	0.236	0.113	0.129	0.099	0.084	0.139
Corkscrew Swamp	N	13	11	14	7	12	9	11	10	16	8	10	10	9
	Min	0.006	0.019	0.017	0.01	0.01	0.02	0.009	0.011	0.005	0.005	0.018	0.011	0.013
	Mean	0.047	0.041	0.124	0.032	0.111	0.237	0.05	0.057	0.131	0.096	0.044	0.024	0.162
	Max	0.14	0.161	0.714	0.071	0.592	0.996	0.136	0.202	0.804	0.391	0.167	0.052	0.974
Cow Slough	N		9	3	5	7	3	6	8	12	9	2	7	4
	Min		0.117	0.21	0.12	0.129	0.156	0.16	0.093	0.102	0.14	0.19	0.087	0.122
	Mean		0.198	0.34	0.206	0.24	0.404	0.263	0.214	0.217	0.313	0.237	0.245	0.334
	Max		0.309	0.46	0.3	0.476	0.775	0.423	0.503	0.567	0.583	0.284	0.441	0.596
Faka Union North	N	33	28	30	31	32	33	36	36	36	36	36	36	27
	Min	0.007	0.007	0.01	0.005	0.008	0.009	0.009	0.006	0.006	0.009	0.004	0.004	0.004
	Mean	0.023	0.025	0.028	0.022	0.031	0.02	0.023	0.018	0.045	0.037	0.017	0.021	0.027

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						0.46	0.245						0.01
Faka Union South	N	1	4	2	1		0	3	4	3	1		0	13
	Min	0.29	0.1	0.03	0.06			0.012	0.011	0.008	0.014			0.01
	Mean	0.29	0.175	0.04	0.06			0.03	0.014	0.012	0.014			0.01
	Max	0.29	0.23	0.05	0.06			0.062	0.016	0.016	0.014			0.01
Fakahatchee Strand	N	1	7	9	0	1	15	2	4	3	1		0	11
	Min	0.46	0.12	0.015		0.24	0.012	0.012	0.014	0.012	0.019			0.01
	Mean	0.46	0.271	0.059		0.24	0.081	0.014	0.066	0.021	0.019			0.01
	Max	0.46	0.63	0.14		0.24	0.364	0.016	0.19	0.036	0.019			0.01
Golden Gate	N	2	15	12	23			1	22	64	16	54	34	3
	Min	0.03	0.09	0.01	0.015			0.022	0.01	0.01	0.01	0.01	0.01	0.01
	Mean	0.085	0.441	0.052	0.078			0.022	0.028	0.04	0.028	0.029	0.023	0.01
	Max	0.14	1.6	0.144	0.21			0.022	0.13	0.22	0.07	0.09	0.05	0.01
Gordon Marine	N	1			6						3	36	26	0
	Min	0.1			0.084						0.02	0.01	0.01	
	Mean	0.1			0.215						0.04	0.056	0.058	
	Max	0.1			0.36						0.06	0.14	0.16	
Gordon River Extension	N	1	2	3	8			1	22	39	2	3		
	Min	0.16	0.44	0.05	0.04			0.063	0.02	0.02	0.051	0.01		
	Mean	0.16	0.45	0.107	0.178			0.063	0.075	0.073	0.061	0.05		
	Max	0.16	0.46	0.211	0.385			0.063	0.3	0.2	0.07	0.11		
Haldeman Cr Lower	N				4						1	11	8	0
	Min				0.125						0.03	0.01	0.02	
	Mean				0.318						0.03	0.055	0.053	
	Max				0.59						0.03	0.11	0.09	
Haldeman Cr Upper	N	0	4	2	2			1	4	3	1	12	9	0
	Min		0.07	0.02	0.04			0.04	0.02	0.03	0.03	0.01	0.01	
	Mean		0.515	0.081	0.105			0.04	0.035	0.047	0.03	0.047	0.041	
	Max		1.4	0.141	0.17			0.04	0.05	0.06	0.03	0.12	0.07	
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	0.045	0.052	0.076	0.112	0.161	0.047	0.072	0.039	0.429	0.307	0.045	0.083	0.079
Faka Union South	N	57	54	49	44	54	43	48	49	44	46	48	49	36
	Min	0.004	0.004	0.007	0.007	0.007	0.004	0.004	0.004	0.005	0.006	0.004	0.004	0.008
	Mean	0.017	0.018	0.019	0.02	0.022	0.02	0.029	0.025	0.02	0.044	0.022	0.019	0.027
	Max	0.204	0.073	0.081	0.09	0.106	0.072	0.435	0.147	0.071	0.668	0.179	0.067	0.087
Fakahatchee Strand	N	37	33	37	32	37	31	39	35	27	26	28	28	20
	Min	0.004	0.006	0.005	0.004	0.004	0.004	0.004	0.004	0.006	0.011	0.004	0.004	0.004
	Mean	0.03	0.019	0.061	0.029	0.088	0.037	0.032	0.054	0.018	0.058	0.03	0.073	0.059
	Max	0.159	0.041	0.88	0.103	1.18	0.109	0.21	0.329	0.04	0.167	0.061	1.33	0.308
Golden Gate	N	42	37	42	39	43	44	48	50	59	60	60	65	63
	Min	0.006	0.01	0.009	0.007	0.01	0.004	0.01	0.004	0.004	0.006	0.004	0.004	0.004
	Mean	0.021	0.023	0.029	0.023	0.041	0.035	0.03	0.022	0.041	0.025	0.02	0.019	0.025
	Max	0.064	0.053	0.11	0.094	0.315	0.26	0.102	0.056	0.47	0.09	0.129	0.059	0.152
Gordon Marine	N	30	34	34	30	36	33	36	35	29	24	24	23	18
	Min	0.02	0.02	0.02	0.02	0.03	0.03	0.024	0.018	0.021	0.023	0.004	0.023	0.018
	Mean	0.063	0.063	0.056	0.053	0.062	0.059	0.052	0.07	0.047	0.061	0.044	0.045	0.054
	Max	0.147	0.21	0.151	0.16	0.135	0.155	0.112	0.15	0.117	0.113	0.083	0.098	0.102
Gordon River Extension	N								3	12	12	12	15	18
	Min								0.095	0.042	0.033	0.024	0.022	0.006
	Mean								0.132	0.118	0.078	0.053	0.064	0.055
	Max								0.189	0.618	0.151	0.096	0.162	0.123
Haldeman Cr Lower	N	10	12	11	10	12	11	12	14	17	12	12	12	9
	Min	0.03	0.028	0.022	0.019	0.03	0.023	0.022	0.027	0.019	0.025	0.004	0.029	0.027
	Mean	0.051	0.049	0.049	0.04	0.053	0.056	0.049	0.057	0.045	0.072	0.05	0.052	0.062
	Max	0.082	0.064	0.076	0.062	0.11	0.118	0.099	0.088	0.067	0.144	0.094	0.081	0.093
Haldeman Cr Upper	N	9	10	11	10	10	11	12	12	12	12	12	12	9
	Min	0.01	0.023	0.028	0.025	0.03	0.022	0.034	0.028	0.036	0.046	0.013	0.029	0.028
	Mean	0.039	0.043	0.06	0.051	0.055	0.056	0.072	0.061	0.091	0.117	0.055	0.054	0.059
	Max	0.097	0.081	0.12	0.106	0.08	0.122	0.206	0.143	0.462	0.359	0.116	0.089	0.099
Immokalee Basin	N		15	7	14	9	10	17	11	9	3	1	4	2
	Min		0.036	0.12	0.051	0.07	0.058	0.07	0.138	0.036	0.149	0.429	0.222	0.592

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	21				4		1	12	9	0
	Min	0.13	0.01	0.005	0.046				0.03		0.03	0.03	0.02	
	Mean	0.13	0.534	0.061	0.164				0.04		0.03	0.048	0.046	
	Max	0.13	1.6	0.138	0.305				0.06		0.03	0.08	0.07	
Okaloacoochee Slough	N						3						0	0
	Min						0.012							
	Mean						0.06							
	Max						0.106							
Rookery Bay Coastal	N	2	10	8	2			7	14	0	0			
	Min	0.04	0.01	0.01	0.174			0.021	0.03					
	Mean	0.055	0.29	0.072	0.225			0.598	0.054					
	Max	0.07	0.54	0.147	0.275			1.87	0.14					
Rookery Bay East	N	0	10	2	1		2	17	7	8	4	17	3	3
	Min		0.06	0.037	0.06		0.34	0.004	0.016	0.012	0.009	0.01	0.01	0.01
	Mean		0.217	0.039	0.06		0.445	0.245	0.265	0.336	0.072	0.038	0.033	0.01
	Max		0.45	0.04	0.06		0.55	0.95	0.66	0.96	0.24	0.12	0.05	0.01
Rookery Bay West	N	1	3	1	2			3	9	4	2	12	9	0
	Min	0.9	0.2	0.043	0.03			0.032	0.018	0.018	0.01	0.01	0.01	
	Mean	0.9	0.353	0.043	0.06			0.064	0.085	0.044	0.015	0.067	0.038	
	Max	0.9	0.5	0.043	0.09			0.12	0.13	0.1	0.019	0.34	0.07	
Silver Strand	N	1	4	3										
	Min	0.16	0.42	0.3										
	Mean	0.16	0.793	0.84										
	Max	0.16	1.1	1.3										
Tamiami Canal	N	2	11	7	1			4	11	1	1		0	12
	Min	0.03	0.03	0.02	0.04			0.013	0.01	0.011	0.012			0.01
	Mean	0.12	0.755	0.073	0.04			0.041	0.067	0.011	0.012			0.01
	Max	0.21	3.8	0.21	0.04			0.07	0.26	0.011	0.012			0.01
Ten Thousand Islands	N	6	31	20			11	4	16				0	6

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		0.227	1.889	0.304	0.238	0.365	0.34	0.258	0.222	0.342	0.429	0.366	0.606
	Max		0.6	11	0.512	0.417	0.844	0.926	0.442	0.712	0.575	0.429	0.568	0.62
Naples Bay	N	10	12	11	10	12	11	12	9					
	Min	0.036	0.027	0.027	0.02	0.028	0.026	0.026	0.032					
	Mean	0.052	0.041	0.038	0.037	0.053	0.044	0.037	0.047					
	Max	0.11	0.056	0.057	0.048	0.095	0.071	0.063	0.066					
Okaloacoochee Slough	N	10	11	9	11	10	11	12	14	23	17	13	23	18
	Min	0.027	0.022	0.03	0.012	0.018	0.04	0.03	0.012	0.014	0.012	0.009	0.004	0.007
	Mean	0.069	0.055	0.144	0.081	0.105	0.251	0.134	0.103	0.065	0.156	0.064	0.059	0.136
	Max	0.176	0.109	0.411	0.16	0.361	0.748	0.417	0.608	0.473	0.737	0.244	0.729	0.714
Rookery Bay Coastal	N								2	4				
	Min								0.047	0.03				
	Mean								0.052	0.143				
	Max								0.056	0.401				
Rookery Bay East	N	20	18	22	21	20	22	24	23	17	12	12	12	9
	Min	0.007	0.008	0.009	0.009	0.01	0.011	0.009	0.004	0.01	0.01	0.01	0.005	0.009
	Mean	0.025	0.026	0.029	0.022	0.025	0.044	0.029	0.047	0.089	0.018	0.02	0.028	0.023
	Max	0.071	0.056	0.102	0.049	0.055	0.145	0.061	0.23	0.387	0.029	0.051	0.153	0.038
Rookery Bay West	N	7	11	11	10	10	11	12	10	12	12	12	12	9
	Min	0.01	0.015	0.016	0.01	0.027	0.004	0.009	0.013	0.01	0.01	0.01	0.008	0.014
	Mean	0.052	0.026	0.038	0.05	0.065	0.064	0.031	0.019	0.06	0.02	0.016	0.018	0.022
	Max	0.171	0.051	0.073	0.15	0.22	0.232	0.061	0.039	0.452	0.038	0.029	0.029	0.031
Silver Strand	N		6	4	6	8	10	9	11	12	12	9	12	7
	Min		0.212	0.41	0.31	0.23	0.116	0.19	0.173	0.316	0.223	0.007	0.013	0.257
	Mean		0.463	0.523	0.357	0.466	0.371	0.463	0.38	0.4	0.452	0.388	0.405	0.34
	Max		0.66	0.63	0.44	0.763	0.656	0.718	0.764	0.538	0.6	0.662	0.884	0.461
Tamiami Canal	N	49	55	45	45	48	51	59	44	36	34	36	36	27
	Min	0.005	0.003	0.006	0.006	0.01	0.01	0.004	0.004	0.006	0.004	0.004	0.004	0.004
	Mean	0.028	0.023	0.038	0.027	0.047	0.03	0.021	0.041	0.019	0.028	0.024	0.019	0.042
	Max	0.162	0.08	0.126	0.16	0.46	0.1	0.076	0.307	0.032	0.085	0.093	0.046	0.316
Ten Thousand Islands	N	22	20	20	18	23	21	24	24	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	0.14	0.01	0.005			0.157	0.042	0.03					0.01
	Mean	0.177	0.321	0.124			0.465	0.253	0.043					0.01
	Max	0.24	1.3	0.361			1.03	0.61	0.07					0.01

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	0.004	0.006	0.008	0.004	0.01	0.004	0.011	0.004	0.004	0.004	0.006	0.007	0.009
	Mean	0.022	0.02	0.02	0.018	0.025	0.034	0.022	0.021	0.015	0.028	0.025	0.02	0.025
	Max	0.151	0.061	0.036	0.043	0.08	0.199	0.051	0.051	0.037	0.073	0.09	0.038	0.097

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	2	0		2						0	4
	Min	0.4	0.6	2			1							2
	Mean	0.4	1.225	5.5			1.5							2.5
	Max	0.4	2.7	9			2							4
Camp Keais	N		5	10			1	2					0	6
	Min		0.5	1			14	1						2
	Mean		2.14	4.7			14	4						2
	Max		6.8	10			14	7						2
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	23	13	3	0		0	0	7	23	70	49	21
	Min	0.8	1	2	10					3	2	1.5	2	2
	Mean	1.714	13.96	9.308	13.33					4.571	4.87	7.24	4.204	2.571
	Max	2.4	157	28	18					7	12	111.5	20	6
Cocohatchee River	N	1	10	6	0				4	1	5	24	18	6
	Min	12	4.8	16					9	2	2	2	2	2
	Mean	12	9.6	56.33					36.5	2	5.1	10.03	33.22	3.667
	Max	12	26	116					78	2	15	40.5	110	8
Corkscrew Swamp	N									2	9	12		3
	Min									2	2	2		2
	Mean									2.5	5.444	4.75		2
	Max									3	23	13		2
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						0	3					0	9
	Min							4						2
	Mean							5.556						2

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	9	11	12	8	10	14	12	12	12	12	8
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.833	2	2.444	2.182	3.333	5.875	5.1	4.786	3	7.083	7.883	3.567	7.5
	Max	8	2	6	3	7	9	18	19	5	27	18	10	27.2
Camp Keais	N	24	22	21	22	22	23	21	23	32	24	15	24	17
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.542	2	2.286	2.555	2.136	9.435	7.714	6.239	2.969	5.167	2.72	2.117	3.365
	Max	10	2	5	13	5	91	54	34	12	46	12	4	12.4
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								2	2	2	2	2	2
	Mean								2.333	2.833	4.9	2.667	2.567	3.689
	Max								3	6	11	7.6	5.6	13.6
Cocohatchee Inland	N	64	70	67	73	77	79	78	85	108	107	108	108	81
	Min	2	2	2	1.3	2	2	2	2	2	2	2	2	2
	Mean	2.141	2.143	2.388	3.588	3.416	5.19	3.564	3.976	3.417	4.963	4.301	4.05	4.109
	Max	7	6	8	77	34	68	11	46	17	33	20.8	42	15.2
Cocohatchee River	N	19	24	22	22	22	24	24	20	12	12	12	12	9
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.211	2.333	12.82	17.62	2.5	9.833	4.833	7.75	4.667	5.417	5.45	7.533	5.111
	Max	5	10	102	82	5	28	15	15	18	17	10.8	28.8	10.8
Corkscrew Swamp	N	13	16	16	16	12	9	11	11	16	8	10	10	9
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	6.538	2	2.5	4.313	9.417	5.222	6.909	5.182	2.563	5.125	6.28	2.6	23.29
	Max	46	2	7	35	69	13	41	13.5	9	12	42	6	110
Cow Slough	N		11	6	7	8	4	7	9	12	9	2	7	4
	Min		2	2	2	2	2	2	2	2	2	2	2	2
	Mean		2	4.333	6.857	3.5	15	2.429	3.778	8.75	10.67	2	10.34	2.8
	Max		2	10	15	7	54	4	8	74	27	2	54.4	5.2
Faka Union North	N	36	33	31	33	35	36	36	36	36	36	36	36	25
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.056	2	2.581	2.652	2.657	2.222	3.306	2.944	2.306	3.694	3.522	3.628	3.588

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max							6.667						2
Faka Union South	N	1	3	1	0		0	3	0	0	0		1	16
	Min	0.1	0.8	8				1					6	2
	Mean	0.1	4.033	8				2.667					6	2.25
	Max	0.1	6	8				4					6	4
Fakahatchee Strand	N	1	7	7	0	0	11	2	0	0	0		1	12
	Min	2	1.2	1			1.3	4					4	2
	Mean	2	5.943	9			13.93	5					4	2.5
	Max	2	17	31			46	6					4	8
Golden Gate	N	4	16	12	5			0	19	35	10	54	35	13
	Min	1.4	0.6	1	10				2	2	2	2	2	2
	Mean	2.3	3.519	6.333	37.4				3.789	5.874	3.9	3.728	4	2.462
	Max	3.4	9.2	16	97				11	30	17	12	10	8
Gordon Marine	N	1			6						3	35	26	11
	Min	8.6			2						2	2	2	2
	Mean	8.6			37.33						2	10.97	32.62	3.636
	Max	8.6			95.5						2	126	130	8
Gordon River Extension	N	1	4	4	2			0	15	25	1	3		
	Min	3	0.8	3	30				2	2	2	2		
	Mean	3	1.3	10	55				8.933	3.96	2	4.667		
	Max	3	2	15	80				57	8	2	8		
Haldeman Cr Lower	N				3						1	12	7	2
	Min				10						2	2	4	2
	Mean				45						2	15.42	35.71	5
	Max				105						2	52	66	8
Haldeman Cr Upper	N	1	4	3	1			1	2	2	1	12	9	3
	Min	31	0.7	3	2			2	3	4	2	2	2	2
	Mean	31	2.225	7	2			2	4.5	5.6	2	4.167	3.111	2
	Max	31	3.6	14	2			2	6	7.2	2	15	6	2
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	4	2	16	16	11	5	28	10	5	20	23.2	13.6	11.6
Faka Union South	N	60	58	56	59	48	48	48	46	44	46	48	49	36
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.983	2.448	4.661	4.168	2.833	3.188	3.25	3.5	2.557	3.435	3.346	4.649	4.967
	Max	24	10	62	45	17	12	13	13	8	19	15.6	56.4	56
Fakahatchee Strand	N	40	39	40	40	34	37	39	35	27	26	28	28	19
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.875	2.154	8.45	13.6	3.441	4.946	4.769	8.971	2.259	5.692	4.132	5.343	8.926
	Max	16	6	92	97	15	29	19	80	8	21	15.6	19	53.2
Golden Gate	N	48	43	45	44	43	48	48	49	59	60	60	65	60
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2	2.07	3.022	3.891	3.605	3.958	3.979	3.837	2.746	3.183	3.473	3.382	2.977
	Max	2	4	46	40	18	18	19	26	17	19	20.4	23.6	11
Gordon Marine	N	33	34	26	32	33	36	36	34	28	24	24	23	18
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	3.424	2	13	11.66	3.394	6.583	5.944	6.588	4.161	6.375	4.992	8.922	4.956
	Max	24	2	94	77	13	24	20	15	12	35	14.8	42.4	21.2
Gordon River Extension	N								3	12	12	12	15	18
	Min								2	2	2	2	2	2
	Mean								2	4.333	2.75	2.517	2.987	3.444
	Max								2	10	5	5	8.8	8.4
Haldeman Cr Lower	N	11	12	9	11	11	12	12	13	16	12	12	12	9
	Min	2	2	2	2	2	2	2	2	2	2	2.4	2	2
	Mean	2.636	2.333	4.222	9.909	5.364	8	5.083	8.385	5	7.583	6.367	26.68	3.778
	Max	6	6	13	75	21	16	17	23	13	20	22	237	8.4
Haldeman Cr Upper	N	12	12	11	12	11	12	12	11	12	12	12	12	9
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2	2.083	2.636	3.25	2.455	3.25	3.667	6.318	3.667	5.833	2.7	2.567	2.222
	Max	2	3	6	7	7	8	11	32	7	30	8	5.6	2.8
Immokalee Basin	N		21	9	18	9	10	18	12	9	3	1	4	2
	Min		2	2	2	2	2	2	2	2	2	2	2	2

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	3	16				4		1	12	9	2
	Min	12	2	14	5				3.6		3	2	20	4
	Mean	12	5.213	29	80.72				18.9		3	29.38	86.67	6
	Max	12	10	57	200				64		3	122	170	8
Okaloacoochee Slough	N						3						0	5
	Min						7.6							2
	Mean						13.7							2.8
	Max						24							4
Rookery Bay Coastal	N	2	6	4	2			10	14	0	0			
	Min	11	3.8	26	6			2	2					
	Mean	13.5	11.83	49	70.5			5.65	9.843					
	Max	16	28	100	135			13.5	62					
Rookery Bay East	N	3	11	4	0		3	14	0	0	2	16	1	7
	Min	1	0.8	5			2	1			2	1	2	2
	Mean	1.667	7.336	7.75			10.67	7.905			2	12.94	2	2.857
	Max	2	26	14			28	49			2	86	2	6
Rookery Bay West	N	1	3	3	1			0	4	0	1	12	9	3
	Min	1.6	1.6	0.5	20				2		2	2	2	2
	Mean	1.6	6.8	4.833	20				4.25		2	5.042	3.778	2
	Max	1.6	15	8	20				6		2	26	8	2
Silver Strand	N	1	4	3										
	Min	4	1.2	2										
	Mean	4	11.8	9.333										
	Max	4	26	14										
Tamiami Canal	N	3	10	4	0			1	7	0	0		2	15
	Min	0.1	0.4	1				4	2				4	2
	Mean	0.233	10.02	7.25				4	6.571				5	2.133
	Max	0.4	42	12				4	16				6	4
Ten Thousand Islands	N	6	31	20			11	6	14				2	6

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		2.571	3.111	5.144	7.556	14.8	21.17	6	3.889	2.667	2	2.4	2
	Max		8	6	18	39	42	323	19	18	4	2	3.2	2
Naples Bay	N	11	11	9	11	11	12	12	9					
	Min	2	2	2	2	2	2	2	7					
	Mean	11.45	2	7.556	15.73	15.36	9.167	10.58	11.11					
	Max	76	2	19	82	118	16	30	15					
Okaloacoochee Slough	N	12	12	9	11	12	12	12	14	23	17	13	23	18
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	3.333	2	2.889	2.909	5	14	21.25	13	2.217	8.647	5.369	4	7.867
	Max	14	2	7	7	21	57	174	102	5	61	15	29.6	72
Rookery Bay Coastal	N								2	1				
	Min								7	7				
	Mean								8	7				
	Max								9	7				
Rookery Bay East	N	23	23	22	23	22	24	24	22	13	12	12	12	9
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	6	2.087	9.455	9.478	3.136	5.208	5.75	10.64	2.385	2.417	2.683	3.033	4.978
	Max	56	4	56	70	14	26	23	35	7	5	5.6	14.4	18
Rookery Bay West	N	8	12	11	12	11	12	12	9	12	12	12	12	9
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	3.375	2.333	2	3.5	3	3.25	4.417	5.611	5	2.667	2.133	2.633	5.022
	Max	9	4	2	14	7	7	13	14	18	5	3.2	6.8	14
Silver Strand	N		8	6	8	10	12	9	12	12	12	9	12	7
	Min		2	2	2	2	2	2	2	2	2	2	2.8	2
	Mean		3	7	4.75	8.2	6.083	5.778	10.17	6.5	10.17	10.11	14.44	15.77
	Max		8	14	13	23	22	28	21	17	29	23.6	38.5	36.4
Tamiami Canal	N	56	56	45	55	52	55	59	44	36	34	36	36	24
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	4.321	2	2.867	2.656	3.135	3.036	2.492	5.875	2.361	5.176	2.678	4.8	2.683
	Max	40	2	13	8	23	20	18	60	8	37	10	84.4	13.2
Ten Thousand Islands	N	24	24	22	24	21	23	24	23	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	4.6	1	5			1	1	3				4	2
	Mean	7.833	10.21	62.45			23.32	10.83	11.47				5	2
	Max	13	37	142			35	22	34				6	2

**Summary of Annual WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.083	2.167	11.27	13.52	5.952	4.435	3.917	7.261	2.896	4.292	3.575	5.3	4.933
	Max	4	4	113	68	83	13	13	42	10	13	13.6	24	16.4

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						3	12
	Min	0.83	0.75	0.3	1.07		0.41						0.88	0.4
	Mean	0.83	2.223	0.54	1.07		0.525						2.293	2.383
	Max	0.83	6.2	0.9	1.07		0.64						4.9	7.9
Camp Keais	N		6	16			2	6					6	24
	Min		0.6	0.1			0.22	0.28					0.39	0.4
	Mean		1.307	0.906			0.265	0.99					0.945	0.979
	Max		2.5	3.2			0.31	3.3					1.58	4.8
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	6	25	15	11	1		1	3	11	28	70	65	67
	Min	0.44	0.4	0.2	1.18	5.8		8	4.3	0.6	1	0.585	0.53	0.4
	Mean	0.947	4.84	2.318	4.884	5.8		8	5.6	3.7	3.346	8.175	3.886	2.425
	Max	1.4	50	9.1	13.13	5.8		8	6.4	10.8	15.8	186	27.8	24
Cocohatchee River	N	1	10	8	1				4	1	5	24	23	23
	Min	8.4	2.7	0.1	13.13				2.6	3	2.9	2	0.9	1.1
	Mean	8.4	5.64	2.625	13.13				4.525	3	5.98	5.877	3.868	2.687
	Max	8.4	9.8	6.5	13.13				6.4	3	10.1	34.6	12	4.5
Corkscrew Swamp	N									4	16	12		8
	Min									0.4	0.3	0.4		0.3
	Mean									1.75	2.156	2.496		1.938
	Max									5.6	6.3	9.45		7.7
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	6					9	36
	Min						2	1.9					1.4	0.8
	Mean						2.8	4.383					2.822	2.472

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	12	12	12	12	7	10	14	16	12	12	12	8
	Min	0.8	0.6	1.1	0.5	0.9	3.7	0.8	0.2	0.4	0.6	1.7	0.7	1.7
	Mean	2.375	1.825	2.608	2.758	4.867	5.686	2.49	2.493	2.4	5.258	4.3	2.133	9.363
	Max	5.2	4.8	5.2	10.4	13.2	9.7	4.9	6.8	8.6	13.5	9.3	4.8	19
Camp Keais	N	24	24	24	24	23	21	21	23	32	24	15	24	17
	Min	0.3	0.3	0.5	0.3	0.4	0.1	0.3	0.4	0.3	0.3	0.4	0.3	0.4
	Mean	0.954	0.638	0.983	0.954	0.852	3.367	1.643	2.23	1.734	2.996	1.3	1.021	1.759
	Max	3.9	1.5	3.3	4.4	1.9	36	7.4	13.9	9.6	27.6	5.1	2.7	5.4
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								7.9	0.8	2.1	0.4	0.6	1.8
	Mean								9.967	2.792	8.59	2.556	1.708	9.633
	Max								12	9	26	6	6.8	27
Cocohatchee Inland	N	69	72	72	78	84	78	78	85	108	107	108	108	81
	Min	0.4	0.4	0.6	0.7	0.5	0.3	0.4	0.5	0.4	0.1	0.5	0.4	0.7
	Mean	1.89	2.443	2.475	2.509	2.425	2.565	2.713	2.256	2.463	2.425	2.648	2.466	3.801
	Max	6	8.9	7.2	13.9	12.5	17.4	19.5	7.8	12.8	9.2	14.9	14	12
Cocohatchee River	N	23	24	24	24	24	24	24	21	12	12	12	12	9
	Min	1.2	1.1	1.1	0.7	1.2	0.2	0.9	0.7	1.2	1.3	1.7	1.2	1.8
	Mean	2.048	2.283	2.767	2.421	2.754	2.558	2.217	2.567	2.938	2.617	2.508	1.933	3.044
	Max	3.2	6.4	9.8	4.8	9.5	5.4	5.4	11.1	10.2	6.3	4.2	3	5.2
Corkscrew Swamp	N	13	16	16	16	12	9	11	11	16	8	10	10	9
	Min	0.3	0.3	0.1	0.3	0.3	1	0.3	0.4	0.4	0.3	0.5	0.5	0.7
	Mean	1.662	1.338	2.825	1.425	1.958	3.611	4.327	3.359	2.259	1.85	1.82	2.02	9.7
	Max	6.8	4.6	10	4.9	9.4	12	23.2	6.2	8.45	5.5	3.1	4.2	35
Cow Slough	N		0	0	0	0	0	0	3	12	9	2	7	4
	Min								0.4	0.8	0.7	1.2	0.8	1.1
	Mean								3.367	2.45	3.844	1.25	5.343	1.8
	Max								8.5	7.3	10	1.3	25	2.7
Faka Union North	N	36	34	36	36	36	33	36	36	36	36	36	36	27
	Min	0.7	0.6	0.8	0.4	0.7	0.1	0.3	0.1	0.1	0.4	0.4	0.3	0.5
	Mean	2.836	2.921	2.067	1.731	1.783	1.609	1.644	1.756	1.743	1.344	1.9	2.033	2.567

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						3.6	6.8					4.6	7
Faka Union South	N	1	4	3	1		1	4	4	4	0		15	60
	Min	0.34	0.35	0.1	1.78		1	0.7	1.3	2.2			0.35	0.3
	Mean	0.34	2.913	0.69	1.78		1	1.333	2.075	2.85			1.009	1.107
	Max	0.34	9.2	1.4	1.78		1	2.133	2.9	3.6			2.1	3.1
Fakahatchee Strand	N	1	7	12	0	1	16	3	4	4	0		9	38
	Min	0.58	0.91	0.1		0.57	0.4	0.867	0.25	0.3			0.3	0.3
	Mean	0.58	4.72	1.922		0.57	1.666	2.589	1.838	1.838			1.03	1.292
	Max	0.58	18	9.2		0.57	6.6	5.3	5.7	5.8			3.7	4.8
Golden Gate	N	3	18	20	23			1	24	66	15	54	44	48
	Min	1.1	0.67	0.2	0.07			1.6	0.7	0.6	1.3	0.1	0.8	0.9
	Mean	3.067	3.204	2.78	4.625			1.6	3.746	4.864	2.833	3.026	3.132	2.463
	Max	5.9	8	6.2	16.25			1.6	12.1	53.1	11.6	14.2	7.69	7.2
Gordon Marine	N	1			6						3	35	34	36
	Min	5.4			2.1						1.5	0.5	1.1	0.9
	Mean	5.4			2.873						1.933	2.056	2.532	2.386
	Max	5.4			3.8						2.6	4.2	4.9	9.8
Gordon River Extension	N	1	4	6	8			1	23	39	1	3		
	Min	0.72	0.46	0.4	1.68			1.1	0.8	0.9	0.7	0.7		
	Mean	0.72	0.878	2.117	16.94			1.1	4.276	2.638	0.7	0.733		
	Max	0.72	1.7	3.5	68			1.1	21	7.7	0.7	0.8		
Haldeman Cr Lower	N				4						1	11	9	12
	Min				1.53						1.7	1.13	1.3	0.9
	Mean				2.37						1.7	2.694	2.216	2.104
	Max				3.4						1.7	4.2	2.8	3.95
Haldeman Cr Upper	N	1	4	4	2			1	4	3	1	12	12	12
	Min	11	1.4	0.3	1.5			1.4	1.2	1.3	1.4	0.9	0.8	0.7
	Mean	11	2.25	1.22	4.05			1.4	2.075	2.967	1.4	1.463	1.522	1.083
	Max	11	3.3	3.2	6.6			1.4	2.9	4.4	1.4	3.3	2.5	2.5
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	7.1	6.6	4.3	3.2	5.1	4	5.3	13	7.4	6.1	5.8	8.6	6
Faka Union South	N	60	60	59	60	54	41	48	48	44	46	48	49	36
	Min	0.1	0.4	0.1	0.4	0.4	0.4	0.2	0.3	0.1	0.1	0.3	0.2	0.6
	Mean	1.007	0.992	1.222	1.07	1.035	1.366	1.25	0.954	0.832	1.213	1.379	1.078	2.281
	Max	4.3	4.5	6.9	3.1	2.5	3.2	7.1	5	3.8	9.9	7.19	3.8	8.4
Fakahatchee Strand	N	40	39	40	40	40	30	39	35	27	26	28	28	20
	Min	0.3	0.3	0.1	0.3	0.3	0.6	0.1	0.35	0.1	0.3	0.5	0.3	0.1
	Mean	0.945	0.677	5.108	1.258	2.068	2.75	1.472	2.367	0.931	3.023	2.114	1.754	2.655
	Max	3.6	1.4	150	3.3	14.6	7.9	6.9	30	4.95	14.1	9.2	10	12
Golden Gate	N	48	46	47	48	46	46	46	50	59	60	60	65	63
	Min	0.9	0.8	0.9	0.8	0.6	0.6	0.4	0.6	0.6	0.1	0.6	0.1	0.8
	Mean	2.315	2.302	2.464	4.91	3.55	3.798	3.058	2.699	2.625	2.322	2.705	2.151	2.603
	Max	4.8	5.6	7.3	53.2	15.4	12.9	11.2	10.8	10.05	9.6	14	7.9	6.6
Gordon Marine	N	36	35	35	36	35	33	36	34	29	24	24	23	18
	Min	0.8	0.7	0.9	0.8	1.2	1.3	0.8	0.1	0.7	0.1	1.1	1	1.5
	Mean	2.083	2.146	2	2.092	2.4	2.106	1.844	1.696	1.716	2.388	2.229	2.009	3.178
	Max	14.2	6.1	3.5	4.2	7.5	4.3	4.3	3.6	3.9	8.2	3.8	5.1	12
Gordon River Extension	N								3	12	12	12	15	18
	Min								1.1	0.1	0.6	0.6	0.9	1.8
	Mean								1.433	1.483	1.242	1.667	2.7	4.294
	Max								1.8	4	2	4.1	6.7	18
Haldeman Cr Lower	N	12	12	12	12	12	11	12	14	17	12	12	12	9
	Min	0.9	0.9	1.3	1.4	1.3	2.1	0.8	0.8	1.1	1	1.1	1.3	1.6
	Mean	1.483	1.483	1.917	2	2.183	2.909	1.917	1.893	2.471	2.325	2.117	2.25	2.544
	Max	2.4	2.2	2.6	3	3.7	4.3	2.8	3.8	6	5.4	4	3.5	3.4
Haldeman Cr Upper	N	12	12	12	12	12	12	11	12	12	12	12	12	9
	Min	0.5	0.6	0.8	1	0.5	0.8	0.4	0.6	0.8	1.1	0.7	0.7	0.9
	Mean	1.175	0.983	1.517	1.692	1.092	1.542	1.027	1.067	1.404	2.692	1.2	1.467	1.8
	Max	1.8	1.5	2.3	4.2	1.6	3	1.7	1.7	2.2	7.2	1.8	2.4	2.7
Immokalee Basin	N		0	0	0	0	0	0	1	9	3	1	4	2
	Min								0.3	0.3	0.5	1.1	0.7	0.8

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	21				4		1	12	12	12
	Min	8.7	0.45	0.2	0.52				1.8		3.9	1.8	2.12	2
	Mean	8.7	3.606	1.925	8.015				2.5		3.9	3.332	3.756	3
	Max	8.7	7	2.5	34.3				3.2		3.9	4.95	7.8	4.9
Okaloacoochee Slough	N						3						3	12
	Min						3.8						1.3	0.3
	Mean						6.027						1.747	1.883
	Max						7.5						2	6.4
Rookery Bay Coastal	N	2	6	0	2			11	15	0	0			
	Min	9.5	2.2		0.625			1.3	2.5					
	Mean	12.25	6.483		2.808			13.45	7.687					
	Max	15	12		4.99			77.8	42					
Rookery Bay East	N	3	11	5	1		5	19	7	8	3	16	6	22
	Min	1.1	1.3	0.2	2.09		2	1.033	1	1.2	0.9	0.1	0.83	0.7
	Mean	1.767	7.764	1.37	2.09		5.62	3.449	8.057	7.038	3.567	1.452	1.16	1.791
	Max	2.9	48	4.5	2.09		19	12.2	26	18.1	8.8	3.8	1.8	3.2
Rookery Bay West	N	1	4	3	2			3	10	4	1	12	12	12
	Min	2.7	1.7	0.1	1.2			1.7	1.4	3.2	2.5	1.53	2.08	0.6
	Mean	2.7	2.425	0.433	2			2.533	3.86	4.15	2.5	3.469	3.53	2.142
	Max	2.7	3.7	0.7	2.8			4.1	6.4	5	2.5	8.2	5.6	4.5
Silver Strand	N	1	4	3										
	Min	3.8	3.3	0.2										
	Mean	3.8	12.25	1.327										
	Max	3.8	20	3										
Tamiami Canal	N	3	12	8	1			4	16	3	0		14	48
	Min	0.3	0.4	0.31	0.74			0.4	0.2	0.3			0.3	0.2
	Mean	0.313	2.378	0.884	0.74			1.025	1.278	0.917			0.54	1.031
	Max	0.33	13.2	2.5	0.74			2.3	5.7	2			0.8	11
Ten Thousand Islands	N	6	31	20			11	6	16				6	24

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean								0.3	0.9	0.8	1.1	0.925	0.9
	Max								0.3	3	1.2	1.1	1.2	1
Naples Bay	N	12	12	12	12	12	11	12	9					
	Min	1.3	1.6	1.5	1.9	1.4	1.3	0.3	1					
	Mean	2.217	2.333	2.558	2.8	2.633	2.227	1.683	1.611					
	Max	3.9	4.4	3.5	3.7	3.9	3.4	2.4	2.7					
Okaloacoochee Slough	N	12	12	11	12	12	11	12	14	23	17	13	23	18
	Min	0.3	0.3	0.4	0.3	0.4	0.7	0.5	0.4	0.3	0.3	0.4	0.3	0.4
	Mean	0.925	0.9	2.845	1.533	1.617	11.77	3.808	2.914	0.552	1.841	1.577	0.896	3.906
	Max	2.7	2.3	7.9	3.5	5.3	54	24.3	14.4	1.1	6.8	5.2	4.3	31
Rookery Bay Coastal	N								2	5				
	Min								5.1	3.3				
	Mean								5.1	5.98				
	Max								5.1	8.8				
Rookery Bay East	N	24	24	24	23	24	24	22	23	17	12	12	12	9
	Min	0.4	0.4	0.5	0.4	0.4	0.4	0.1	0.8	0.4	0.5	0.6	0.5	1
	Mean	1.458	1.096	1.517	1.339	1.321	2.613	1.791	3.193	2.447	1.008	1.067	0.95	2.589
	Max	3.3	4.2	3.6	2.1	4.1	13.5	5.5	10.1	8.7	1.8	1.8	1.5	7.2
Rookery Bay West	N	8	12	12	12	12	12	11	10	12	12	12	12	9
	Min	1	1.2	0.8	0.2	0.5	0.9	0.4	0.4	0.8	0.7	0.8	0.6	1.6
	Mean	2.038	2.142	1.542	1.617	1.658	1.983	1.136	1.565	3.417	1.783	1.142	1.825	5.156
	Max	4.6	7.5	2.5	2.7	4.5	4.8	4.2	3.5	14.8	2.9	2.3	7.1	16
Silver Strand	N		0	0	0	0	0	0	3	12	12	9	12	7
	Min								12.3	0.6	8.8	1.7	9.9	10
	Mean								17.5	10.44	26.69	13.57	22.37	21.43
	Max								24.2	20.2	62	22.6	33	37
Tamiami Canal	N	56	56	50	55	52	51	59	44	36	34	36	36	27
	Min	0.3	0.3	0.3	0.3	0.1	0.1	0.3	0.1	0.2	0.2	0.3	0.3	0.4
	Mean	1.037	0.698	1.026	1.133	1.429	1.165	0.703	2.567	0.503	1.709	0.664	0.6	1.463
	Max	9.3	3	5	8.7	31.7	6.3	4.2	56	1.4	10.9	1.9	2.3	12
Ten Thousand Islands	N	24	24	23	24	24	22	24	24	24	24	24	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	2.7	2.4	0.2			1	1.4	2.2				0.52	0.4
	Mean	5.617	6.147	4.752			7.386	7.417	5.538				0.957	1.167
	Max	11	19	39			13	13.6	10.7				1.4	3.4

**Summary of Annual WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	0.4	0.3	0.4	0.5	0.5	0.1	0.4	0.1	0.3	0.3	0.4	0.4	0.7
	Mean	0.821	0.779	1.035	1.687	1.017	1.114	1.021	0.913	0.777	1.354	1.027	1.23	2.206
	Max	1.6	1.6	2	13	2	2.4	2.7	2.4	2.6	4.8	3.3	4.9	8.2

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Barron River Canal	N	1	4	3	1		2						3	12
	Min	7.2	7.3	7.16	7.08		7.16						7.25	6.99
	Mean	7.2	7.498	7.237	7.08		7.215						7.3	7.349
	Max	7.2	7.62	7.31	7.08		7.27						7.38	8
Camp Keais	N		4	16			2	6					6	24
	Min		7.21	6.31			6.89	6.83					7.25	6.92
	Mean		7.43	6.996			7.265	7.378					7.385	7.342
	Max		7.66	7.6			7.64	7.68					7.465	8.125
Cocohatchee GC Disch	N													
	Min													
	Mean													
	Max													
Cocohatchee Inland	N	7	25	15	12	1		1	4	11	29	70	65	67
	Min	7	7.17	7.05	6.99	7.26		7.33	6.42	6.38	6.48	6.37	7.05	6.805
	Mean	7.607	7.602	7.512	7.406	7.26		7.33	7.113	6.802	7.136	7.208	7.607	7.532
	Max	8	8.3	9.29	7.77	7.26		7.33	7.87	7.59	7.95	8.1	8.21	8.385
Cocohatchee River	N	1	10	8	1				4	1	5	24	25	23
	Min	7.7	7.56	7.49	7.68				7.6	7.2	6.58	6.41	7.04	7.02
	Mean	7.7	7.842	7.854	7.68				7.753	7.2	6.864	7.333	7.339	7.363
	Max	7.7	8.09	8.05	7.68				7.97	7.2	7.49	7.8	7.72	7.87
Corkscrew Swamp	N									4	16	12		8
	Min									6.56	6.44	6.6		6.33
	Mean									6.753	6.886	6.918		6.916
	Max									7.17	7.55	7.2		7.42
Cow Slough	N													
	Min													
	Mean													
	Max													
Faka Union North	N						2	6					9	36
	Min						7.2	7.057					7.245	6.91
	Mean						7.355	7.345					7.517	7.5

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Barron River Canal	N	12	11	12	12	12	7	10	14	16	12	12	12	8
	Min	7.05	7.05	7.08	6.995	6.97	7.01	6.99	7	6.98	6.9	7	6.78	6.72
	Mean	7.19	7.161	7.321	7.206	7.186	7.339	7.278	7.209	7.164	7.25	7.468	7.145	6.985
	Max	7.41	7.32	7.74	7.65	7.57	7.77	7.87	7.92	7.46	7.69	8.02	7.72	7.12
Camp Keais	N	24	21	24	24	23	21	21	23	32	24	15	24	17
	Min	7.05	6.99	6.88	6.82	6.76	6.88	6.87	6.88	6.59	6.6	6.79	6.57	6.41
	Mean	7.258	7.219	7.251	7.271	7.193	7.342	7.245	7.256	7.084	7.084	7.052	6.99	6.954
	Max	7.62	7.5	7.565	7.66	7.63	8.025	7.88	7.75	7.44	7.57	7.36	7.405	7.295
Cocohatchee GC Disch	N								3	12	10	9	12	9
	Min								7.07	7.07	7.05	7.17	6.95	7.2
	Mean								7.203	7.212	7.276	7.291	7.223	7.368
	Max								7.35	7.37	7.51	7.49	7.51	7.67
Cocohatchee Inland	N	69	72	72	78	78	72	78	85	108	108	108	109	81
	Min	7.1	7.09	7.035	7.115	7.17	6.85	7.15	6.96	6.97	7.02	6.95	6.62	6.93
	Mean	7.454	7.405	7.534	7.556	7.526	7.585	7.552	7.539	7.485	7.512	7.497	7.43	7.462
	Max	7.99	8.1	8.28	8.17	8.19	8.25	8.355	8.13	8.12	8.23	8.065	8.05	8.25
Cocohatchee River	N	23	23	24	24	22	22	24	21	12	12	12	12	9
	Min	7.01	7.1	7.11	7.14	6.53	6.99	6.96	6.94	7.04	7.27	7.115	7.17	7.18
	Mean	7.365	7.298	7.383	7.443	7.366	7.259	7.352	7.33	7.338	7.394	7.345	7.346	7.427
	Max	7.93	7.49	7.74	7.78	7.79	7.64	7.66	8.08	7.515	7.57	7.59	7.7	7.69
Corkscrew Swamp	N	9	8	16	16	12	9	11	11	16	8	10	10	9
	Min	6.65	6.39	6.77	6.55	6.76	6.43	6.68	6.44	6.52	6.56	6.8	6.31	6.64
	Mean	7.143	7.022	7.133	7.073	7.142	7.101	7.149	7.171	7.213	7.025	7.228	6.998	7.06
	Max	7.52	7.58	7.65	7.68	7.62	7.68	7.63	7.61	7.73	7.48	7.5	7.39	7.42
Cow Slough	N		10	6	7	8	4	7	9	12	9	2	8	4
	Min		6.62	6.86	6.45	6.78	7.15	6.515	6.93	6.75	7.05	6.81	6.53	6.59
	Mean		7.213	7.242	6.971	7.255	7.325	6.958	7.258	7.16	7.28	6.935	6.878	6.86
	Max		7.62	7.51	7.5	7.57	7.47	7.36	7.6	7.51	7.4	7.06	7.19	7.03
Faka Union North	N	36	33	36	36	36	33	36	36	36	36	36	36	27
	Min	7.015	6.98	7.04	7.03	6.97	7.075	6.97	7.055	7.02	6.95	6.97	6.79	6.85
	Mean	7.406	7.331	7.499	7.5	7.441	7.709	7.644	7.758	7.406	7.479	7.683	7.505	7.576

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Faka Union North	Max						7.51	7.87					7.78	8.58
Faka Union South	N	1	4	3	1		1	4	4	4	2		15	60
	Min	7.4	7.6	7.4	7.76		7.38	7.33	6.34	6.4	6.79		7.06	6.87
	Mean	7.4	7.903	7.53	7.76		7.38	7.545	7	6.785	7.235		7.488	7.477
	Max	7.4	8.5	7.61	7.76		7.38	7.8	7.29	7.33	7.68		7.94	8.53
Fakahatchee Strand	N	1	7	11	1	1	14	4	4	4	2		9	38
	Min	6.9	7.25	6.83	7.4	7.05	6.3	6.88	6.25	6.54	6.47		7.3	6.88
	Mean	6.9	7.749	7.412	7.4	7.05	7.371	7.285	6.905	6.898	7		7.448	7.445
	Max	6.9	8.91	8.41	7.4	7.05	8.42	7.85	7.5	7.43	7.53		7.57	8.29
Golden Gate	N	4	18	20	27			1	24	66	17	54	45	48
	Min	7.2	7.2	7.08	6.19			7.14	6.18	6.41	6.58	6.75	7.05	6.86
	Mean	7.4	7.708	7.563	7.586			7.14	7.408	6.99	7.071	7.334	7.534	7.479
	Max	7.7	8.47	8.16	8.46			7.14	8.47	8.02	7.63	7.98	8.34	8.32
Gordon Marine	N	1			6						3	36	33	33
	Min	7.6			7.245						6.5	6.7	7.12	7.03
	Mean	7.6			7.563						6.73	7.428	7.448	7.379
	Max	7.6			8.03						7.16	7.98	7.89	7.835
Gordon River Extension	N	1	4	6	9			1	23	39	3	3		
	Min	7.5	7.4	7.32	6.92			7.01	6.31	6.49	6.83	7.24		
	Mean	7.5	7.47	7.497	7.272			7.01	7.045	7.189	6.977	7.357		
	Max	7.5	7.64	7.63	7.51			7.01	8.29	8.23	7.19	7.44		
Haldeman Cr Lower	N				5						1	11	7	11
	Min				6.92						7.11	6.81	7.33	6.433
	Mean				7.424						7.11	7.176	7.474	7.34
	Max				7.7						7.11	7.7	7.65	7.585
Haldeman Cr Upper	N	1	4	4	3			1	4	3	1	12	12	12
	Min	7.3	7.31	7.44	7.52			8.49	6.37	6.88	7.71	6.68	7.44	7.385
	Mean	7.3	7.765	7.793	7.753			8.49	7.28	7.297	7.71	7.271	7.629	7.639
	Max	7.3	8.24	8.23	8.13			8.49	7.75	7.97	7.71	7.78	7.84	8.02
Immokalee Basin	N													
	Min													

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Faka Union North	Max	8.065	7.86	8.06	8.69	7.87	9.27	8.47	8.51	8.11	8.25	9.13	8.56	8.31
Faka Union South	N	60	59	59	60	55	44	48	49	44	46	48	49	36
	Min	6.79	6.86	6.77	7.09	6.82	6.71	6.94	6.61	7.03	6.82	6.845	6.72	6.895
	Mean	7.4	7.391	7.509	7.529	7.513	7.708	7.487	7.595	7.415	7.533	7.53	7.448	7.593
	Max	8.5	8.16	8.09	8.21	8.23	8.38	8.3	8.27	7.84	9.17	8.06	8.3	8.225
Fakahatchee Strand	N	40	39	40	40	40	34	39	35	27	26	28	28	20
	Min	6.71	6.92	6.84	6.91	7.07	6.94	6.855	6.855	6.87	6.895	6.865	6.88	6.95
	Mean	7.42	7.412	7.482	7.42	7.528	7.543	7.44	7.464	7.461	7.499	7.396	7.334	7.401
	Max	7.98	8.48	8.49	7.88	8.55	8.04	7.83	8.15	7.77	8.37	8.01	8.06	8.42
Golden Gate	N	48	44	47	48	48	44	48	50	59	60	60	65	63
	Min	6.805	7.02	6.895	7.06	6.875	7.1	6.96	6.91	6.925	6.73	6.91	6.82	6.8
	Mean	7.388	7.322	7.395	7.446	7.405	7.544	7.496	7.567	7.288	7.432	7.579	7.451	7.523
	Max	8.205	7.855	7.88	8.21	8.02	8.02	8.29	8.25	7.63	8.13	8.245	8.915	8.35
Gordon Marine	N	36	35	32	36	36	33	36	35	29	24	24	23	18
	Min	7.15	7.13	7.03	7.175	7.03	7.05	7.03	7.02	7.17	6.84	7.04	6.98	7.105
	Mean	7.407	7.347	7.4	7.391	7.37	7.377	7.362	7.399	7.387	7.322	7.36	7.337	7.306
	Max	7.77	7.82	7.7	7.71	7.64	7.75	7.67	7.75	7.87	7.72	7.7	7.77	7.67
Gordon River Extension	N								3	12	12	13	15	18
	Min								6.955	6.87	7	7.01	6.905	6.8
	Mean								7.028	7.129	7.115	7.163	7.114	7.231
	Max								7.1	7.27	7.26	7.38	7.28	7.84
Haldeman Cr Lower	N	12	12	11	12	12	11	12	14	17	12	12	12	9
	Min	7.205	7.205	7.225	7.125	7.21	7.26	7.14	7.25	7.15	6.95	7.29	7.19	7.21
	Mean	7.353	7.346	7.457	7.423	7.368	7.529	7.434	7.458	7.473	7.342	7.525	7.46	7.466
	Max	7.555	7.505	7.62	7.68	7.5	7.78	7.73	7.7	7.735	7.6	7.71	7.75	7.695
Haldeman Cr Upper	N	12	12	12	12	12	11	12	12	12	12	12	12	9
	Min	7.02	7.39	7.5	7.43	7.43	7.49	7.42	7.35	7.47	7.25	7.37	7.28	7.37
	Mean	7.482	7.548	7.694	7.782	7.677	7.686	7.653	7.615	7.703	7.832	7.597	7.561	7.582
	Max	7.78	7.71	7.84	8.11	7.96	7.95	7.98	7.85	8.06	8.98	7.88	7.76	7.79
Immokalee Basin	N		20	9	16	9	9	18	12	9	3	1	4	2
	Min		6.91	6.98	6.78	6.76	6.87	6.95	6.99	7.03	7.08	7.19	7.01	6.58

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Immokalee Basin	Mean													
	Max													
Naples Bay	N	1	8	4	21				4		1	12	12	11
	Min	7.785	7.51	7.59	7.13				7.4		7.32	6.9	7.17	7.08
	Mean	7.785	7.821	7.829	7.862				7.645		7.32	7.457	7.732	7.622
	Max	7.785	8.17	8.14	8.195				7.99		7.32	7.75	8.01	7.93
Okaloacoochee Slough	N						3						3	12
	Min						6.48						7.19	6.785
	Mean						6.93						7.288	7.344
	Max						7.18						7.41	7.89
Rookery Bay Coastal	N	9	10	7	2			11	15	55	58			
	Min	7.585	7.5	7.83	7.89			6.885	6.05	6.15	5.73			
	Mean	7.751	7.833	7.894	8.008			7.666	7.473	6.9	7.028			
	Max	7.835	8.05	7.96	8.125			8.14	7.94	7.44	8.53			
Rookery Bay East	N	3	11	5	1		5	19	8	8	6	16	10	22
	Min	7.3	7.3	7.19	7.243		7.03	6.7	6	6.45	6.88	6.64	7	6.97
	Mean	7.7	7.774	7.67	7.243		7.296	7.512	7.148	6.955	7.36	7.318	7.375	7.384
	Max	8.2	8.09	8.16	7.243		7.44	8.77	8.06	7.52	7.83	7.79	7.91	8.11
Rookery Bay West	N	0	4	3	2			3	10	4	3	12	12	12
	Min		7.3	7.36	7.57			7.33	6.15	6.76	7.04	6.65	7.37	7.28
	Mean		7.728	7.61	7.645			7.69	6.901	6.903	7.05	7.332	7.603	7.473
	Max		8.01	7.82	7.72			8.02	7.73	7.25	7.07	7.69	7.96	7.78
Silver Strand	N	1	4	3										
	Min	7.3	7.2	7.06										
	Mean	7.3	7.285	7.167										
	Max	7.3	7.4	7.26										
Tamiami Canal	N	3	12	8	1			5	16	3	2		14	48
	Min	7	7.1	7.24	6.69			7.1	6.15	6.57	7.56		6.67	7.055
	Mean	7.333	7.614	7.448	6.69			7.332	6.944	6.937	7.58		7.141	7.416
	Max	7.9	8.6	7.67	6.69			7.74	7.89	7.35	7.6		7.41	8.1
Ten Thousand Islands	N	6	32	20			16	6	12				6	24

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Immokalee Basin	Mean		7.363	7.266	7.199	7.238	7.469	7.327	7.324	7.168	7.17	7.19	7.115	6.76
	Max		8.23	7.53	7.73	7.54	8.43	8.27	7.72	7.29	7.34	7.19	7.19	6.94
Naples Bay	N	12	12	11	12	12	11	12	9					
	Min	7.1	7.285	7.51	7.245	7.03	7.655	7.43	7.56					
	Mean	7.625	7.615	7.739	7.605	7.659	7.76	7.686	7.716					
	Max	7.83	7.97	7.86	7.915	7.82	7.985	7.87	7.875					
Okaloacoochee Slough	N	12	8	11	12	12	11	12	14	23	17	13	23	18
	Min	7.06	6.78	6.93	6.82	6.9	7.04	6.97	6.73	6.745	6.48	6.57	6.37	6.27
	Mean	7.153	7.078	7.156	7.189	7.147	7.452	7.31	7.082	6.959	7.084	6.955	6.891	6.856
	Max	7.44	7.685	7.48	7.71	7.43	8.06	7.78	7.97	7.36	7.8	7.45	7.15	7.49
Rookery Bay Coastal	N								2	5				
	Min								7.1	6.9				
	Mean								7.1	7.2				
	Max								7.1	7.6				
Rookery Bay East	N	24	24	24	23	24	22	24	23	17	12	12	12	9
	Min	6.83	6.92	6.99	6.92	6.95	6.75	6.98	6.86	7.07	6.985	7	7.04	7.21
	Mean	7.468	7.398	7.409	7.428	7.428	7.542	7.457	7.436	7.501	7.641	7.79	7.713	7.819
	Max	8.17	7.97	7.87	8.18	8.08	8.12	8.41	8.03	8.023	8.34	8.2	8.14	8.08
Rookery Bay West	N	8	12	12	12	12	11	12	10	12	12	12	12	9
	Min	7.14	7.27	7.28	7.29	7.27	7.41	7.28	7.35	7.285	7.215	7.15	7.165	7.345
	Mean	7.459	7.392	7.425	7.445	7.447	7.545	7.588	7.658	7.489	7.401	7.476	7.516	7.592
	Max	7.72	7.56	7.64	7.59	7.94	7.73	7.88	7.97	7.73	7.65	7.82	7.93	8.02
Silver Strand	N		7	7	7	10	10	9	12	12	13	9	12	7
	Min		6.72	6.36	6.78	6.73	6.93	6.82	6.85	6.74	6.86	6.69	6.71	6.51
	Mean		7.066	7.036	6.997	7.099	7.355	7.087	7.183	7.007	7.155	7.283	7.071	6.844
	Max		7.5	8.25	7.57	7.39	8.17	7.77	7.72	7.36	7.66	8.17	7.67	7.2
Tamiami Canal	N	51	52	50	55	52	50	59	44	36	34	36	36	27
	Min	6.99	6.69	6.65	6.38	7.03	7.09	7.06	6.91	7.15	7	7.145	6.965	6.81
	Mean	7.375	7.333	7.353	7.39	7.356	7.352	7.398	7.415	7.362	7.294	7.358	7.288	7.271
	Max	7.74	7.58	7.77	7.825	7.66	7.63	7.79	7.77	7.89	7.96	7.61	7.52	7.64
Ten Thousand Islands	N	24	24	23	24	24	22	24	24	24	24	25	24	18

(Continued)

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Basin														
Ten Thousand Islands	Min	7.4	7.3	7.31			6.94	7.545	7.3				7.095	7.15
	Mean	7.65	7.766	7.73			7.554	7.793	7.689				7.391	7.401
	Max	7.8	8.03	8.03			7.97	7.99	8.03				7.63	7.725

**Summary of Annual WQ
1989-2014**

WQ Variable=pH (SU)

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Basin														
Ten Thousand Islands	Min	7.11	7.005	7.245	7.23	7.125	7.02	7.135	7.11	6.82	6.95	7	7.09	7.025
	Mean	7.4	7.387	7.436	7.42	7.401	7.324	7.349	7.372	7.339	7.341	7.34	7.314	7.347
	Max	7.61	8.05	7.56	7.575	7.645	7.555	7.58	7.57	7.6	7.56	7.55	7.485	7.685

**Summary of Monthly WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	0	0	13	0	0	13	0	0	13	0	0
	Min	0.7			0.58			1			0.79		
	Mean	1.533			1.125			1.839			1.25		
	Max	5			1.7			3.8			2		
Camp Keais	N	27	0	0	23	0	0	25	0	0	30	0	0
	Min	0.44			0.62			0.61			0.54		
	Mean	1.613			1.522			2.385			1.435		
	Max	5			2.94			5.905			7.35		
Cocohatchee GC Disch	N	5	0	0	4	0	0	5	0	0	5	0	0
	Min	0.67			1			1			1.01		
	Mean	1.712			1.175			1.509			1.482		
	Max	5			1.4			2.8			1.96		
Cocohatchee Inland	N	109	12	11	98	11	9	114	12	12	106	6	12
	Min	0.23	1.8	1	1	1	1	1	1.36	1	0.23	5	1.13
	Mean	2.795	4.2	4.027	3.956	3.6	4.078	4.286	4.011	4.673	3.361	5	3.075
	Max	11.43	5.1	8	28.31	5	10	16.7	12	11	8.7	5	8.2
Cocohatchee River	N	26	4	4	25	4	4	27	4	4	24	2	4
	Min	1	1	1	1	1	1	1.42	1	1.07	1.45	5	1
	Mean	6.955	3.4	3	8.003	3	3	5.798	3.298	3.625	3.548	5	1.845
	Max	31.6	5	5	36.68	5	5	15.6	5	5	8.86	5	3.2
Corkscrew Swamp	N	1	0	4	39		4		4	0	1	0	4
	Min	0.49		5	0.31		5		5		0.43		1
	Mean	0.49		5	0.977		5		5		0.43		1.025
	Max	0.49		5	1.83		5		5		0.43		1.1
Cow Slough	N	6	4	3	2	0	4	9	5	4	10	4	4
	Min	0.78	1.18	1.63	1		1	1.07	0.23	0.97	0.41	1.11	1.37
	Mean	1.498	1.683	2.01	1.065		2.43	1.908	1.256	1.365	1.409	1.463	1.61
	Max	2.41	2	2.4	1.13		4.58	3.8	2	2	2.5	2	2

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	39	0	0	39	0	0	41	0	0	37	0	0
	Min	0.5			0.5			0.48			0.38		
	Mean	1.764			1.472			1.947			1.544		
	Max	5			3.43			4.2			2.5		
Faka Union South	N	56	0	0	60	0	0	59	0	0	60	0	0
	Min	0.61			0.71			0.61			0.23		
	Mean	1.975			2.536			2.081			1.953		
	Max	12.1			18.26			5.77			18.2		
Fakahatchee Strand	N	36	0	0	45	0	0	35	0	0	35	0	0
	Min	0.55			0.32			0.41			0.75		
	Mean	3.265			5.371			2.578			1.267		
	Max	19.8			41.86			8.21			2.09		
Golden Gate	N	67	8	9	65	8	9	70	10	8	64	4	10
	Min	0.38	1.4	1.5	0.55	1	1	0.23	1	1	0.23	5	1
	Mean	1.89	3.763	4.022	1.902	3.115	3.7	2.058	3.408	3.026	1.864	5	1.44
	Max	5.04	5	5	5	5	5	6	5	5	5	5	2.4
Gordon Marine	N	39	6	5	40	6	6	41	6	6	38	3	6
	Min	1	1	1	0.74	1	1	1	1	1.43	1	5	1
	Mean	7.077	3.35	3.62	6.934	3.25	3.75	4.445	3.46	4.015	3.536	5.333	1.333
	Max	37.81	5	5.5	29.79	6.5	8	18.5	5	5.28	8.92	6	2.2
Gordon River Extension	N	10	4	1	12	5	6	12	4	0	14	5	4
	Min	1.22	4.3	5	1.025	3	5	2.245	4.1		1	2	1
	Mean	4.019	5.325	5	2.902	4.66	6.883	5.582	5.15		4.097	3.6	2.05
	Max	6.6	6.3	5	5.4	7.2	8.9	9.9	6.6		9	6	3.8
Haldeman Cr Lower	N	14	1	2	15	2	2	15	1	1	13	1	2
	Min	1	5	1	1	3.18	1	2.43	5	5	1	5	1
	Mean	5.999	5	3	7.967	4.09	4.75	5.132	5	5	4.724	5	2.1
	Max	13.23	5	5	29.4	5	8.5	11.4	5	5	8.48	5	3.2

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	15	2	2	15	2	2	16	2	2	15	1	2
	Min	1.9	1	2.6	1.34	2.38	1.9	1.63	2.77	5.26	2.24	5	1
	Mean	2.86	3	3.8	3.086	3.69	3.65	3.32	3.885	6.13	3.352	5	2.1
	Max	5	5	5	7	5	5.4	5.09	5	7	5	5	3.2
Immokalee Basin	N	5	5	5	1	0	8	13	11	13	17	11	3
	Min	0.83	1	1	0.82		0.62	0.56	0.96	0.48	0.31	0.31	0.9
	Mean	0.876	1.346	1.272	0.82		2.244	1.946	2.533	1.827	1.555	1.297	1.33
	Max	1	2	2	0.82		3.2	3.8	5.07	4	3.63	2	2
Naples Bay	N	10	2	2	11	2	2	11	2	2	9	1	2
	Min	1	6	1	0.23	1	1	1	1	1	1	5	1
	Mean	10.99	6.4	3.5	6.922	3	3	5.223	3	3	4.521	5	1.95
	Max	30.5	6.8	6	28.65	5	5	12.62	5	5	8.9	5	2.9
Okaloacoochee Slough	N	16	0	0	16	0	0	17	0	0	17	0	0
	Min	0.6			0.94			0.68			0.79		
	Mean	2.109			2.175			3.149			1.504		
	Max	5			5.14			5.59			3.25		
Rookery Bay Coastal	N	0	0	0	1	0	0	0	0	0	0	0	0
	Min				2.5								
	Mean				2.5								
	Max				2.5								
Rookery Bay East	N	25	2	3	21	3	2	24	2	2	21	1	2
	Min	0.62	5	1	0.57	1	1	0.83	1	1	0.78	5	1
	Mean	3.437	5	3.667	4.9	4.333	3	3.576	3	3	1.9	5	1
	Max	18.2	5	5	39.32	7	5	16.8	5	5	7.1	5	1
Rookery Bay West	N	13	2	2	14	2	2	16	2	2	15	1	2
	Min	0.83	1.5	1	1	5	1	1	1	3.01	0.64	5	1
	Mean	2.114	3.25	3	1.911	10.4	3	2.683	3	4.005	2.277	5	1.9
	Max	7.28	5	5	6	15.8	5	5.7	5	5	5	5	2.8

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Arsenic (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	5	6	9	5	5	9	6	6	10	4	5
	Min	0.64	0.95	0.23	0.89	1	1.16	0.82	1.26	1.21	0.88	0.66	0.71
	Mean	1.463	1.404	1.613	1.347	1.412	1.9	1.634	1.823	2	1.215	1.223	1.156
	Max	5	2	2.9	2.41	2	2.43	3.8	2.9	3	1.74	2	2
Tamiami Canal	N	53	0	0	48	0	0	59	0	0	50	0	0
	Min	0.53			0.23			0.23			0.23		
	Mean	1.173			0.955			1.401			0.946		
	Max	5			2.09			3.8			2		
Ten Thousand Islands	N	25	0	0	30	0	0	27	0	0	28	0	0
	Min	1			0.93			0.97			0.6		
	Mean	4.592			4.818			2.308			1.383		
	Max	18.9			22.47			5.4			2.91		

**Summary of Monthly WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	9	8	8	9	9	10	9	10	8	9	7	7
	Min	2	2	2	2	2	1.6	1.6	1.8	0.78	2	2	2
	Mean	2.033	2.175	2.55	2.822	2.933	2.63	2.767	2.91	3.435	2.116	2.214	2.057
	Max	2.3	3.4	4.4	5.7	5.1	4.2	6.8	6.7	11.7	3.04	3.4	2.4
Camp Keais	N	20	18	16	13	9	9	16	20	21	23	20	17
	Min	2	2	2	2	2	1.5	1.6	1.6	0.78	2	2	2
	Mean	2.04	2.4	2.419	3.208	2.611	2.781	2.54	2.17	2.203	2.564	2.29	2.076
	Max	2.8	6.2	6.5	13.9	6	7.78	6.1	3.2	5.6	5.8	4.2	3.2
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	4	5	5	5
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2	2.04	2.12	2.275	2.233	3.333	2	2.14	2.025	2.06	2.08	2.02
	Max	2	2.2	2.6	2.8	2.6	6	2	2.7	2.1	2.3	2.4	2.1
Cocohatchee Inland	N	82	82	81	90	78	91	84	104	82	79	72	76
	Min	2	0.78	2	1.9	1	1.5	2	1.6	0.78	0.78	0.78	2
	Mean	2.176	2.239	2.822	2.933	2.714	2.738	2.66	2.951	2.56	2.196	2.203	2.421
	Max	5.2	7.1	20.2	19.4	10.9	6.8	9.8	15.9	7.8	7.4	7.9	9
Cocohatchee River	N	16	17	16	19	18	21	17	21	18	15	13	13
	Min	2	0.78	2	0.8	2	1.6	2	1	2	0.78	0.78	2
	Mean	2.417	2.222	2.081	4.505	2.477	2.722	2.449	2.224	2.502	2.057	1.945	2.269
	Max	6	5.9	2.7	43.3	4.1	5.3	4.12	4.5	5.3	3.6	2.6	3.4
Corkscrew Swamp	N	1	1	5	24		21		41	0	1	1	31
	Min	2	2	2	2		1		0.78		2	2	2
	Mean	2	2	8.08	2.171		2.348		2.521		2	2	2.023
	Max	2	2	12	4.8		4		6.3		2	2	2.6
Cow Slough	N	5	4	3	1	1	4	7	8	8	9	8	6
	Min	2	2	2	3.3	2	2	1.6	1.6	2	0.78	0.78	2
	Mean	3	3.8	6.6	3.3	2	2.325	2.343	2.441	2.538	1.942	2.048	2.083
	Max	6.5	8.2	10.7	3.3	2	2.9	3.5	3.83	4.5	2.4	3.5	2.4

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	26	23	25	25	26	27	29	30	26	27	24	23
	Min	2	2	2	2	1.5	1.5	1.6	1.6	0.78	2	0.78	2
	Mean	2.054	2.057	2.076	2.208	2.292	2.081	2.186	2.343	1.925	2.234	1.991	2.026
	Max	2.9	2.7	2.8	3.7	5.7	4.5	5	8.5	2.4	5	2.6	2.5
Faka Union South	N	35	33	38	33	37	42	39	40	41	36	36	28
	Min	2	2	2	2	1.5	1.5	1.6	0.78	0.78	0.78	0.78	2
	Mean	2.354	2.17	2.497	2.436	2.641	2.492	2.092	2.023	1.976	1.976	2.129	2.493
	Max	5.4	4.1	6.5	6.5	11.4	7.9	4.4	5.2	5.4	4	4	12
Fakahatchee Strand	N	19	22	22	22	19	27	26	30	24	22	19	23
	Min	2	2	2	2	2	2	1.9	0.78	0.78	0.78	2	2
	Mean	2.937	3.564	3.441	3.686	3.689	3.033	2.316	2.302	1.852	2.111	2.005	2.691
	Max	8.2	8.3	8.4	8.8	9.8	7.1	4.7	6.2	2.1	6.1	2.1	6.3
Golden Gate	N	50	44	52	66	51	68	51	68	48	45	44	58
	Min	0.78	2	2	2	1	1	1.6	1.6	0.78	0.78	0.78	2
	Mean	2.062	2.111	2.244	3.398	2.439	2.308	2.184	2.519	2.036	2.032	1.949	2.512
	Max	3.1	4	8.7	34.8	8.2	6.1	5.2	9.9	5	3.7	2.7	8
Gordon Marine	N	24	28	27	29	24	31	25	31	27	22	25	25
	Min	2	0.78	2	2	1	1	2	1.6	2	0.78	0.78	2
	Mean	2.029	2.159	2.385	2.579	2.158	2.171	2.36	2.026	2.167	2.016	2.083	2.348
	Max	2.6	5	8.1	7.5	3	4.9	4.7	3.2	3	4	4.2	4.4
Gordon River Extension	N	7	7	7	10	9	9	7	9	5	12	11	9
	Min	2	2.1	2	2	2	1	2	2	2	2	2	2
	Mean	2.114	2.543	2.114	2.55	2.3	2.378	2.3	2.089	2.1	2.875	2.873	2.389
	Max	2.3	2.9	2.6	3.3	3	3.7	3.7	2.5	2.4	5.7	8.7	3.9
Haldeman Cr Lower	N	10	11	11	11	10	12	10	11	9	9	10	9
	Min	2	0.78	2	2	1.6	1.5	2	1.6	2	0.78	0.78	2
	Mean	2.37	2.525	2.755	2.355	2.52	2.192	2.21	2.091	2.372	2.053	2.058	2.656
	Max	5.6	5.1	7.8	4.2	6	3	3.4	2.4	3.7	3	2.7	4.4

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	11	11	11	11	11	13	11	13	11	9	10	10
	Min	0.78	2	2	2	2	1.5	2	1.6	0.78	2	2	2
	Mean	2.535	2.082	2.1	3.836	2.725	3.098	2.673	2.808	2.115	2.256	2.46	2.36
	Max	7.8	2.9	3.1	14.6	5.8	9	4.2	6.2	2.8	3	4.7	4
Immokalee Basin	N	4	2	2	1	1	2	10	9	15	15	9	3
	Min	2	2	2	2	6.4	2	1.6	1.6	2	0.78	2	2
	Mean	2	2.6	3.75	2	6.4	3.2	2.766	2.362	2.853	4.133	2.844	2.2
	Max	2	3.2	5.5	2	6.4	4.4	5.3	4.66	11.7	23.8	5.6	2.6
Naples Bay	N	5	6	6	8	6	8	7	8	7	4	5	5
	Min	2	0.78	2	1.2	1.6	1.5	1.6	1.3	2	0.78	1.5	2
	Mean	2	2.397	2.8	2.238	2.1	1.9	2.2	1.863	2.143	1.695	1.96	2.32
	Max	2	3.5	6.2	5.4	3	2	3.8	2	3	2	2.2	3.2
Okaloacoochee Slough	N	12	13	11	10	9	10	12	14	14	13	13	12
	Min	2	2	2	2	2	2	1.6	1.6	0.78	2	2	2
	Mean	2.2	2.362	4.245	5.44	5.967	3.46	3.308	2.816	2.563	2.315	2.038	2.567
	Max	3.7	4	10.4	18.5	25	14	9.7	7.5	7.6	5.4	2.5	6.8
Rookery Bay Coastal	N	0	0	0	4	0	2	0	2	0	0	0	0
	Min				1.5		1.2		0.6				
	Mean				1.6		1.45		0.65				
	Max				1.8		1.7		0.7				
Rookery Bay East	N	13	14	16	14	16	17	15	16	15	12	14	11
	Min	2	2	2	2	1.5	1.5	2	1.6	0.78	2	1.5	2
	Mean	2.5	2.071	2.263	2.464	2.439	2.44	2.593	2.159	1.964	2.183	2.693	2.382
	Max	7.1	2.6	6	5.4	4.4	3.6	7.2	3.9	3.6	3.1	7	5.1
Rookery Bay West	N	11	11	11	9	10	11	11	13	11	9	10	9
	Min	0.78	2	2	2	2	1.5	2	1.6	0.78	2	0.78	2
	Mean	1.925	2.118	2.573	3.222	2.62	2.2	2.166	2.278	2.025	2	1.888	2.289
	Max	2.4	2.8	7	12.6	4.7	4	2.83	5.2	3.5	2	2.1	4.6

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	6	8	5	5	7	9	9	9	9	9	8
	Min	2	2	2	2	2	2	1.6	1.6	0.78	0.78	0.78	2
	Mean	2.85	3.167	3.313	3.46	3.34	3.143	2.536	3.556	2.84	1.976	2.153	2.55
	Max	5	5	8.1	4.4	6.6	5.3	4.82	10.9	7.6	2.7	3.6	3.6
Tamiami Canal	N	30	26	31	27	23	31	41	41	29	35	35	22
	Min	2	2	2	2	2	1.6	1.5	1.6	2	2	0.78	2
	Mean	2.147	2.131	2.187	2.407	3.15	2.277	1.963	2.227	2.052	2.08	1.854	2.227
	Max	6.4	3.9	4.1	6.4	9.5	7.1	2.9	7.4	2.3	3.3	2.4	4.3
Ten Thousand Islands	N	17	17	19	27	20	23	20	23	19	18	18	13
	Min	2	2	2	0.7	1.3	1.1	1.6	0.78	0.78	0.78	0.78	2
	Mean	2.635	2.147	2.516	1.907	2.79	1.991	2.125	1.868	1.872	2.053	1.993	2.069
	Max	8.3	3.9	8.4	4.2	7.3	3.3	3.9	3.4	2	3.5	3.1	2.4

**Summary of Monthly WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	12	14	17	13	15	12	15	12	13	13	14
	Min	1.7	3	2.7	0.5	3	2	3	1.1	3	3	2.8	0.41
	Mean	5.592	9.908	9.15	20.24	17.36	19.52	17.76	14.35	3.958	4.708	6.169	3.901
	Max	22	41.7	24.6	162.9	33.1	69.9	99.6	97.3	6.9	13.9	28.8	16.6
Camp Keais	N	30	28	27	28	18	18	25	30	30	33	31	34
	Min	1	1.36	1	3	2.6	1.3	1.3	1.1	1	1	1	0.3
	Mean	5.52	9.515	6.507	19.99	17.92	14.78	10.26	4.57	3.96	5.936	4.513	3.618
	Max	34.7	113.9	52.5	211.5	67.6	76.5	71.9	22.4	14.6	88.3	14	9.1
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	1.4	1.6	1	3.8	4.8	5.3	1.1	2.7	1.3	1.4	1	2.5
	Mean	4.38	3.54	2.14	5.1	12.23	11.97	9.64	19.36	6.34	3.16	3	6.22
	Max	11.2	7.5	3	7.4	24.6	15.8	21.4	46.7	20.4	6	6.9	18.7
Cocohatchee Inland	N	106	105	112	125	108	120	110	135	110	103	108	128
	Min	1.4	1	1	1	1	1	2.4	0.55	2.3	1.1	1.2	0.18
	Mean	7.048	7.585	7.742	9.175	12.46	14.32	13.15	14.31	13.53	8.469	8.228	8.259
	Max	101.6	87.8	71.6	99.9	252.3	146	102	126.5	299	76.9	89.2	210
Cocohatchee River	N	23	26	27	29	28	31	26	33	26	25	25	30
	Min	2.3	1.34	2.1	0.05	1	3	3	2.1	2.2	3	3	0.3
	Mean	4.8	4.588	8.867	7.498	10.41	11.03	9.346	5.694	5.85	6.036	5.616	7.997
	Max	23.5	20.3	71.6	33.1	58.2	37.6	36	14.8	17	31.5	16.2	86.5
Corkscrew Swamp	N	1	0	5	40		34		44	6	1	1	50
	Min	3		2	1		1.9		1.2	3	3	3	1
	Mean	3		3.2	6.988		7.576		4.805	3.483	3	3	3.318
	Max	3		6	65.9		46.6		33.4	5.9	3	3	10.1
Cow Slough	N	2	2	2	1	1	2	4	4	4	5	5	4
	Min	3.7	26.7	13.4	4.8	3	1	3.9	5.4	1	3	1	3
	Mean	6.4	50.45	46.1	4.8	3	2.65	7.475	7.075	3.125	5.22	6.28	4.975
	Max	9.1	74.2	78.8	4.8	3	4.3	10.4	8.7	7.1	9.2	22.2	9.4

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	40	39	42	44	38	39	42	41	39	37	41	43
	Min	1.4	1.1	1.3	1	1	3	1.9	2	1.5	1.3	1.2	1
	Mean	3.815	3.979	4.51	5.389	6.229	6.085	6.426	4.471	5.246	4.251	3.89	3.995
	Max	9.6	14.8	15	25	60.9	23.9	25.3	16	34.7	17.1	11.7	18.7
Faka Union South	N	58	51	62	62	60	53	62	59	57	57	61	64
	Min	1	1.5	1	1.1	2	1.06	1	0.34	1.1	1.1	1	0.21
	Mean	7.779	8.298	11.97	6.363	14.55	8.439	4.555	3.78	3.384	5.321	4.497	8.103
	Max	65.1	48.1	206	41	378.7	46	25	20.9	13.9	63	20.3	104.1
Fakahatchee Strand	N	35	37	37	58	37	46	39	46	35	35	37	54
	Min	3	2.67	3	1.3	2.7	1	1	1.1	1.4	1.3	1.3	0.6
	Mean	13.79	18.24	20.85	31.4	21.08	16.72	4.695	5.233	3.043	3.971	7.108	9.92
	Max	91.3	80.6	114	316	115.9	120	27	24.2	6.7	19.2	51.3	57.1
Golden Gate	N	72	72	71	87	68	91	69	99	69	67	68	96
	Min	1.5	1.4	1	0.4	1	2.2	2.8	0.74	0.39	0.22	0.1	0.13
	Mean	4.522	5.1	6.097	5.86	7.096	8.185	7.89	6.986	4.967	4.621	4.137	5.47
	Max	17.6	33.6	71	23	51.3	62.5	43.5	33.9	19.2	26.8	15.9	57.7
Gordon Marine	N	36	44	40	44	41	37	39	43	41	40	39	44
	Min	1	2.2	3	1	2	2	3	3	1.1	2.6	3	2
	Mean	4.667	5.064	6.945	6.117	8.796	9.497	8.767	6.572	7.854	7.063	6.1	5.511
	Max	21.4	17.1	41.7	23.2	37.4	27.5	27.2	19.2	58.7	40.6	25.1	26.7
Gordon River Extension	N	10	8	7	16	11	13	12	18	6	13	10	15
	Min	3	3.7	3	0.1	3.8	0.72	5.1	1.1	3.7	3.3	3	0.05
	Mean	7.51	6.75	7.2	10.17	13.35	9.615	10.1	8.326	7.833	9.169	14.35	4.578
	Max	16	9.9	16	38.9	48.1	21.9	21.7	25.9	11.3	33.8	71	13.66
Haldeman Cr Lower	N	14	16	16	16	16	14	14	16	15	15	14	15
	Min	2	3	3	3	3	3	3	3	3	3	3	3
	Mean	6.621	8	8.156	7.256	7.294	10.93	9.471	12.66	9.79	8.453	7.014	4.62
	Max	34	34.1	13.9	16.8	14.4	22.4	24.1	53.9	20.3	27.8	22	8.8

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	15	16	16	19	16	19	15	20	15	15	15	20
	Min	3	1.9	1.4	1.3	2	3	3	2.1	5.3	2.9	3	1.6
	Mean	5.247	5.231	4.806	7.074	7.206	20.42	12.4	9.6	14.48	9.573	7.253	8.195
	Max	9.1	9.9	10.5	28	25.1	162.8	30.7	24.6	24	29.3	13.7	24
Immokalee Basin	N	1	0	1	1	1	0	2	3	3	5	1	1
	Min	3		3	3.7	5.3		2.1	1.7	1	1.2	3.3	7.4
	Mean	3		3	3.7	5.3		2.55	3	2.533	3.06	3.3	7.4
	Max	3		3	3.7	5.3		3	4.3	3.6	5.4	3.3	7.4
Naples Bay	N	9	12	11	19	12	10	11	18	18	10	9	13
	Min	3	2.67	3	0.9	2	3	3	2.1	3	0.16	3	1
	Mean	4.522	5.773	6.209	4.805	7.033	7.43	9.927	7.156	6.268	4.896	5.889	3.931
	Max	10.1	16	15	9.6	17	16	31	24.2	12.85	11	9.6	9.6
Okaloacoochee Slough	N	16	15	17	18	13	15	16	18	18	16	19	18
	Min	1	1	2.3	2.3	3	1	2.4	2	1	1.4	1.4	1
	Mean	8.006	8.567	15.09	30.74	22.75	18.66	14.84	12.93	10.24	5.188	4.426	6.972
	Max	30	35.2	88.1	137	56.4	62.7	110	110	84	35	34	40.6
Rookery Bay Coastal	N	0	0	0	9	0	2	0	3	1	0	0	0
	Min				1.6		6.9		0.67	5.3			
	Mean				3.089		8.95		2.09	5.3			
	Max				5.4		11		4.5	5.3			
Rookery Bay East	N	27	28	24	36	25	27	23	28	24	25	26	34
	Min	3	1.34	1.6	1	3	1.8	3	0.98	1.8	3	2.6	0.84
	Mean	6.496	4.559	4.304	8.16	7.64	9.556	10.15	5.789	4.121	6.196	10.53	5.478
	Max	53.6	13.9	14.4	27.26	53	38.4	98.3	30.1	11.7	31.5	96.7	20.8
Rookery Bay West	N	15	15	15	16	14	18	15	21	15	15	15	18
	Min	1.1	1	1	1.2	1.2	3	3	0.25	3	1.9	1.9	0.75
	Mean	3.413	4.053	4.407	6.013	9.007	7.356	5.84	5.164	4.127	4.22	6.367	3.497
	Max	5.9	11.2	16	17	24.6	19	16.6	15	6.4	10.1	19	8

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	5	4	5	6	4	6	5	6	4	5	5	7
	Min	3	3.2	3	5.32	3	3	3	3	3	3	3	2.1
	Mean	17.24	11.58	10.88	11.77	20.18	10.38	10.02	37.63	25.05	11.32	7.38	9.871
	Max	38	27.8	24.2	31.6	60	28.5	15	184.1	62.1	33.6	15	26.8
Tamiami Canal	N	56	55	52	53	44	53	60	59	56	55	60	59
	Min	1.7	1.8	2	1.3	2.4	1	1	1	1	0.6	0.22	1
	Mean	5.134	5.452	7.762	10.24	17.38	10.88	3.342	2.724	3.179	2.882	3.444	3.983
	Max	37	28.8	31.5	40	106.8	170.9	25.6	4.8	13.9	8	26.7	21.4
Ten Thousand Islands	N	26	29	28	54	29	33	30	36	28	31	28	33
	Min	2.3	0.5	2.9	0.05	3	1.2	1	1	1.1	0.05	1	0.05
	Mean	6.988	6.208	7.979	5.162	9.314	7.412	5.16	3.619	2.548	2.863	3.089	4.197
	Max	37.9	47.5	52.8	20.2	28.2	29	55.1	16.3	3.2	11.7	6.8	17.1

**Summary of Monthly WQ
1989-2014**

WQ Variable=Color (CU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	7	9	9	8	9	9	8	9	9	9	9	8
	Min	30	35	35	38	60	15	40	25	60	80	42	35
	Mean	80.57	81.67	83.89	81	95.56	94.44	120	182.8	130	120	101.3	81.75
	Max	120	150	120	120	150	150	200	400	250	250	180	120
Camp Keais	N	16	19	18	17	15	13	16	18	17	17	20	17
	Min	31	20	28	20	10	20	20	30	30	10	35	31
	Mean	69.88	65.53	72.06	77.41	83	86.54	86.88	155	115	102.9	89.4	73.12
	Max	120	171	200	150	300	240	225	400	200	220	180	120
Cocohatchee GC Disch	N	0	0	0	0	0	0	0	0	0	0	0	0
	Min												
	Mean												
	Max												
Cocohatchee Inland	N	62	71	66	68	59	58	64	78	71	58	65	72
	Min	30	30	30	20	30	30	30	30	30	30	30	20
	Mean	67.9	66.03	66.36	67.28	62.49	64.83	70.08	80.64	84.86	85.52	83.11	80.1
	Max	160	165	440	440	160	120	200	300	200	150	300	200
Cocohatchee River	N	20	23	21	21	21	20	20	22	22	18	21	21
	Min	20	35	20	25	5	35	40	30	50	50	45	40
	Mean	61	52.65	48.62	53.62	55.57	69.75	69.25	69.77	93.64	94.44	77.86	69.67
	Max	100	80	80	110	100	120	120	100	200	150	200	120
Corkscrew Swamp	N	1	1	5	18		16		30	6	0	1	24
	Min	20	24	24	5		30		10	100		34	25
	Mean	20	24	76.8	84.56		110.9		124.2	136.7		34	120.8
	Max	20	24	100	200		200		350	200		34	300
Cow Slough	N	3	4	3	1	0	3	5	7	6	6	5	3
	Min	60	120	100	70		120	150	120	150	120	60	120
	Mean	83.33	160	116.7	70		190	192	182.9	206.7	183.3	130	140
	Max	100	200	150	70		250	250	280	300	300	220	150

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Color (CU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	24	29	26	24	26	24	25	26	26	27	28	26
	Min	16	5	15	16	20	10	20	20	10	20	17	17
	Mean	63.33	57.34	53.5	51.33	55.19	58.13	58.6	87.88	112.9	90.37	75.93	65.58
	Max	150	150	150	120	120	140	150	220	240	200	150	160
Faka Union South	N	39	41	43	41	40	39	39	41	39	41	37	43
	Min	10	5	5	5	10	5	10	15	10	20	20	15
	Mean	45.69	39.76	40.67	39.85	39.23	53.59	58.33	62.93	66.67	62.68	48.05	47.84
	Max	150	120	150	200	120	220	250	250	150	180	130	220
Fakahatchee Strand	N	25	28	28	33	26	35	28	30	24	28	17	36
	Min	30	20	50	50	10	65	40	60	50	50	30	40
	Mean	75.44	79.21	91.5	96.61	93.27	142	117.5	116.7	89.17	92.86	71.59	89.81
	Max	150	200	200	180	180	400	250	180	200	200	120	180
Golden Gate	N	42	48	46	43	40	42	39	46	42	37	42	50
	Min	35	30	29	30	20	30	35	30	50	40	40	30
	Mean	152.3	98.9	102.2	89.09	85.13	79.05	104.5	111	146	142.4	127.5	106.6
	Max	800	216	300	250	240	200	440	400	400	400	350	300
Gordon Marine	N	33	36	31	33	33	27	33	33	30	30	33	33
	Min	20	10	10	5	5	30	30	40	40	40	23	30
	Mean	58.64	52.25	44.19	43.67	50.06	72.22	72.27	74.39	90.67	89.67	73.52	68.03
	Max	120	100	80	80	150	120	140	110	180	200	120	140
Gordon River Extension	N	0	0	1	2	0	3	0	4	0	0	0	5
	Min			30	60		30		40				40
	Mean			30	60		60		52.5				46
	Max			30	60		100		60				60
Haldeman Cr Lower	N	11	11	11	11	11	9	10	10	10	10	11	11
	Min	26	5	16	22	20	45	30	40	40	40	15	30
	Mean	42.82	40.55	37.82	34.27	39.09	57.78	53.5	56	60.5	56.5	47.73	45.18
	Max	80	60	55	50	60	80	80	80	80	80	60	60

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Color (CU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	11	12	12	11	10	11	10	11	11	9	11	12
	Min	30	30	30	30	30	30	40	40	6	40	30	35
	Mean	47.82	48.17	48.33	47.82	49	53.18	51	48.18	53.27	56.11	45.09	47.92
	Max	60	70	70	70	80	80	60	60	80	80	60	80
Immokalee Basin	N	4	4	5	0	0	6	12	15	16	15	11	3
	Min	30	60	5			20	20	20	5	5	10	60
	Mean	80	110	53			63.33	113.8	106.3	86.56	88	65.91	80
	Max	150	200	100			120	200	180	200	180	150	100
Naples Bay	N	10	11	10	10	10	9	11	11	10	10	10	10
	Min	5	10	10	5	5	20	10	6	30	20	20	5
	Mean	30.5	30.91	24	21	21.5	51.67	51.36	51.91	73	69	42.5	38
	Max	80	60	40	30	40	100	100	80	120	120	70	60
Okaloacoochee Slough	N	7	9	8	7	9	8	9	9	9	8	9	7
	Min	100	80	120	100	80	120	120	80	80	100	100	80
	Mean	154.3	136.1	152.5	147.1	173.9	227.5	171.1	221.1	168.9	155	157.8	162.9
	Max	250	240	200	250	250	450	300	400	350	250	250	220
Rookery Bay Coastal	N	1	0	1	1	1	0	0	0	0	0	1	1
	Min	36		32	39	36						26	31
	Mean	36		32	39	36						26	31
	Max	36		32	39	36						26	31
Rookery Bay East	N	21	23	23	25	19	23	18	22	20	18	21	28
	Min	20	20	20	20	20	30	30	40	30	30	28	24
	Mean	53.38	41.96	46.96	51.76	48.11	58.52	70.83	98.45	132.5	77.78	55.48	56.5
	Max	80	60	80	100	100	120	140	250	240	120	100	170
Rookery Bay West	N	10	11	11	12	8	13	10	13	11	9	11	15
	Min	25	20	28	33	50	30	35	20	40	40	25	26
	Mean	41.8	38.18	38.45	62.75	64.38	52.69	52.5	51.15	71.82	52.22	43.18	45.4
	Max	60	60	60	200	100	80	60	80	140	70	80	60

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Color (CU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	2	5	6	4	4	4	5	8	7	5	5	5
	Min	100	90	80	60	5	60	160	70	5	120	20	80
	Mean	125	178	138.3	146.3	118.8	177.5	206	180	159.3	170	148	130
	Max	150	250	200	300	250	250	250	250	250	220	300	200
Tamiami Canal	N	36	40	38	34	29	36	44	47	35	44	37	37
	Min	10	5	5	10	5	30	20	5	20	10	5	10
	Mean	28.08	34.15	34.71	37.06	51.72	55.69	65	55.85	48.57	41.25	37.76	32.59
	Max	50	70	70	80	160	150	180	100	80	60	60	50
Ten Thousand Islands	N	17	17	19	17	18	17	17	16	17	18	15	17
	Min	20	10	25	20	20	5	30	40	5	30	33	30
	Mean	45.24	40.59	44.47	45.71	54.72	72.06	65	72.5	63.82	62.22	52.2	46.47
	Max	60	60	90	70	100	200	125	150	100	100	75	60

**Summary of Monthly WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	14	14	15	18	14	16	13	15	12	13	13	16
	Min	402	413.5	438	431.5	490	285.5	232	263.5	196	261	283.5	344
	Mean	567.4	600	630.3	653.4	627.5	562.1	433.6	395.4	311.8	362.6	427.2	515.7
	Max	731	719	756	790.6	792	760	700	656	495	484.5	591	651.1
Camp Keais	N	31	32	27	25	20	20	27	30	31	33	33	31
	Min	322	338	357.5	336	289.5	268.5	138	181	178	197	200	239
	Mean	534.3	548.8	535.6	527.4	489.8	453.1	406.5	349.3	309.5	373.6	456.5	499.8
	Max	733	795	620	686	648	652	652	614	708.5	605.5	621	683
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	983	983	979	711	848	987	1002	891	888	981	974	977
	Mean	1029	1060	1112	976	1006	1059	1088	994.8	1100	1070	1033	1020
	Max	1084	1115	1396	1120	1095	1187	1131	1084	1290	1142	1075	1079
Cocohatchee Inland	N	111	113	112	131	106	126	114	136	107	104	108	131
	Min	413	106	435	313	399	323	344	342	273	344	408.5	423
	Mean	1030	1063	1243	1546	2058	1660	1099	1026	699.1	776.3	978.3	1036
	Max	3414	3254	15035	26225	21459	32704	11156	24826	1773	2873	7483	6589
Cocohatchee River	N	26	29	27	32	25	30	28	33	25	25	25	30
	Min	640	648	870	654	6407	410	449	395	277	394	496	494
	Mean	25080	27962	31594	35913	41148	26076	16875	10046	3993	7407	13781	21812
	Max	46200	47341	50609	53553	50709	49590	45665	45135	35633	43265	36788	51288
Corkscrew Swamp	N	1	1	5	43		32		49	6	1	1	54
	Min	556.5	578.5	239	247		186		202	230	540	548	242
	Mean	556.5	578.5	381.3	443.9		396.9		361.4	291	540	548	396.2
	Max	556.5	578.5	562.5	589		593		569	470	540	548	621
Cow Slough	N	6	7	5	3	1	5	9	11	10	11	11	8
	Min	296	259	139	193	420	105	127	151	154	93	270	345
	Mean	508.3	491.1	420.4	428	420	305	353.7	389.2	271.4	371.3	517.3	523.3
	Max	620	666	570	604	420	726	521	603	541	714	659	672

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	42	42	42	42	42	42	42	41	38	39	39	41
	Min	281.5	240.5	219.5	211	200	193	247	228	174	334	261	361
	Mean	532.7	516.2	503.3	469	422.1	429.9	511.6	509.4	487.7	535.3	539.3	541.5
	Max	653	659	682	666.3	648	657	745.5	715	691	728.5	699.5	676
Faka Union South	N	62	59	60	62	60	68	62	63	57	54	58	66
	Min	479	324	407.5	378.5	314	492	384	394	336	336	402	410
	Mean	2240	2681	2479	6750	10578	6351	1391	972.5	709.6	1023	1054	1448
	Max	19200	32539	36049	57462	63484	50369	21685	11923	5261	19669	6573	8898
Fakahatchee Strand	N	37	37	34	55	33	50	37	51	35	33	36	53
	Min	640	553	581	349	1018	253.9	334	232.4	268	318	398	300
	Mean	9007	13891	17421	17668	39133	11002	3755	1565	764.3	758.8	2024	3208
	Max	42028	52643	57007	72958	71604	57178	25132	12285	3641	2431	19027	21133
Golden Gate	N	71	74	71	98	71	103	72	103	67	66	68	100
	Min	288	76	68.8	319	286.5	280	5.98	184.5	165	258	267	281
	Mean	585.7	589.8	613.8	612.1	612.3	596.1	572	563.7	983.8	495.9	533.2	573.6
	Max	855	1040	920	994.8	985	1117	922	1018	33466	965	993.8	959.8
Gordon Marine	N	43	44	41	47	43	42	41	43	42	37	41	44
	Min	2510	686	3830	1103	2610	566	530	542	493	504	555.5	595
	Mean	26330	28710	34502	36683	38623	26563	11616	4197	4337	8057	20321	19385
	Max	48977	49842	52411	52830	54548	51681	48917	29406	28683	28750	47706	46700
Gordon River Extension	N	10	10	7	16	11	18	12	16	6	14	13	16
	Min	549	217	689	580	554	403	493	238	579	557	599	578
	Mean	2465	2492	5909	2860	4447	2450	816.6	802.4	883.2	868.7	4881	3112
	Max	15007	15624	19786	17406	21065	15547	1155	1052	1108	1312	20983	20744
Haldeman Cr Lower	N	17	16	17	18	17	16	15	15	14	14	16	16
	Min	13000	33364	17440	30959	36540	755	940.5	2102	554	1277	2760	2690
	Mean	41139	44468	44239	45751	47949	31285	22577	16965	17575	23471	37162	33009
	Max	50768	50800	51331	52494	55340	52275	49269	44511	40563	42070	49243	50425

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	16	16	18	16	20	16	20	15	14	15	18
	Min	670	686	703	719	660	557	611	542.6	462	550.5	646	551
	Mean	779.5	787.2	850.3	922.5	900.6	1256	965.9	1018	715.9	816.1	1186	1042
	Max	875	887	1365	2710	2380	6828	3655	7121	1522	1201	4693	5169
Immokalee Basin	N	5	6	6	1	1	5	15	18	19	20	12	4
	Min	304	293	58	221	402	139	154	209	190	192	217	368
	Mean	443.2	415.3	285.5	221	402	215.8	304.4	317.4	344.4	353	365.8	446.3
	Max	558	566	495	221	402	341	472	435	457	511	507	502
Naples Bay	N	11	12	11	21	12	13	12	15	17	10	10	12
	Min	39200	39385	43355	590	42424	860	1640	5687	5474	10186	30043	31202
	Mean	46801	47236	49346	47354	51400	40559	31887	26158	26071	33333	43202	43487
	Max	52947	52131	54403	62481	56733	55573	52916	41876	43184	49123	52417	52461
Okaloacoochee Slough	N	17	19	17	16	14	15	17	18	18	17	18	18
	Min	185	190	201	166	187	148	183	146	174	141	144	175
	Mean	434.3	467.8	516.1	561.7	536.6	487	465.2	429.1	320.1	338.6	367.2	404.6
	Max	893	905	859	894	908	840	797	867	640	711	898	873
Rookery Bay Coastal	N	8	9	8	28	13	17	13	25	15	2	8	10
	Min	3190	2480	2270	2490	1745	1100	2390	658	2060	28134	2150	2300
	Mean	5202	10387	5237	31905	6142	8578	3435	18724	6182	34357	8805	18093
	Max	15355	52108	19162	63908	29319	46873	5070	55500	45987	40579	42279	68488
Rookery Bay East	N	27	28	26	31	27	31	25	28	23	24	27	30
	Min	862.6	810	809	864	926	358	437	259.5	122	359	471	630
	Mean	10483	9260	11892	11823	20916	12690	6189	2789	580.6	2515	7382	7502
	Max	51179	37400	49055	48789	59817	60964	42582	34710	1586	32975	31715	35999
Rookery Bay West	N	15	15	15	19	14	23	16	22	15	14	15	19
	Min	675	645	635	616	689	497	531	425.5	182	477	647	503
	Mean	820	783.7	1001	2130	8342	1864	1311	698	603.9	700.1	731.9	742.4
	Max	1724	1130	2862	15000	34744	13105	6991	925	732	831	817.5	863

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Conductivity (uOhm/cm)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	11	10	9	10	10	13	10	10	10	13
	Min	286	267	209	209	199	163	146	193	202	155	249	257
	Mean	320.1	320.6	349	421.2	385.4	358.4	269.8	290.4	260.1	265.5	302.2	353.3
	Max	343	367	591	644	650	600	339	684.7	306	319	352	620.7
Tamiami Canal	N	54	55	52	50	45	56	56	61	51	56	61	61
	Min	310	293	289	210	278	226	187	190.5	192.5	214	197	292
	Mean	427.7	458.7	444.8	483.5	448.2	936.4	325.2	290.6	263.9	313.4	375.5	425.1
	Max	565	1248	577	3071	1020	24169	943.8	581	371	421	750	1165
Ten Thousand Islands	N	28	32	28	35	28	33	30	45	28	30	27	33
	Min	3601	1004	10616	3365	6038	431.5	283.5	315.5	303.5	316	329	364
	Mean	23256	29721	32890	42801	46060	28219	7625	12046	2376	6223	8613	19917
	Max	53558	55365	55167	65130	61687	58351	37917	45407	27177	29504	31450	53332

**Summary of Monthly WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	0	0	14	0	0	12	0	0	13	0	0
	Min	0.3			0.3			0.75			0.15		
	Mean	1.261			1.142			2.054			1.122		
	Max	3.06			4.3			4.31			5.38		
Camp Keais	N	27	0	0	21	0	0	21	0	0	31	0	0
	Min	0.15			0.15			0.15			0.15		
	Mean	1.851			0.943			1.782			0.745		
	Max	8.61			2.8			4.3			2.77		
Cocohatchee GC Disch	N	5	0	0	4	0	0	5	0	0	5	0	0
	Min	0.15			0.75			0.75			0.15		
	Mean	1.27			1.42			1.126			1.2		
	Max	2.5			3.09			1.71			2.54		
Cocohatchee Inland	N	98	0	0	98	1	0	91	0	0	100	0	0
	Min	0.24			0.15	0.15		0.15			0.15		
	Mean	3.087			2.823	0.15		4.256			3.693		
	Max	28.97			12.22	0.15		89.7			17.5		
Cocohatchee River	N	22	0	0	23	0	0	20	0	0	20	0	0
	Min	0.45			0.8			0.75			0.26		
	Mean	2.451			2.322			3.216			2.902		
	Max	5.62			6.27			9.1			9.64		
Corkscrew Swamp	N	1	0	0	38		0		0	0	1	0	0
	Min	0.15			0.15						1.35		
	Mean	0.15			0.824						1.35		
	Max	0.15			2.99						1.35		
Cow Slough	N	6	2	1	3	0	4	8	6	5	11	5	4
	Min	0.33	1.9	1	1		1.3	1.5	0.73	0.8	0.15	0.52	0.53
	Mean	2.165	2	1	2.873		4.253	2.851	1.872	1.374	1.699	1.55	1.13
	Max	4.04	2.1	1	5.31		7.92	8.9	3.41	1.96	4.63	2.3	1.5

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	37	0	0	38	0	0	36	0	0	40	0	0
	Min	0.15			0.15			0.15			0.15		
	Mean	1.401			1.282			1.581			0.877		
	Max	7			5.5			6.8			4.2		
Faka Union South	N	46	0	0	55	0	0	57	0	0	52	0	0
	Min	0.15			0.15			0.4			0.15		
	Mean	1.029			0.996			1.716			0.779		
	Max	3.35			9.29			7.8			3.26		
Fakahatchee Strand	N	28	0	0	36	0	0	35	0	0	35	0	0
	Min	0.15			0.19			0.32			0.15		
	Mean	0.866			0.952			1.412			0.674		
	Max	2.5			3			4.3			2.67		
Golden Gate	N	57	0	0	53	0	0	54	0	0	59	0	0
	Min	0.15			0.15			0.15			0.15		
	Mean	1.186			1.114			1.141			0.906		
	Max	4.08			7.01			4.3			6.55		
Gordon Marine	N	32	0	0	31	0	0	35	0	0	26	0	0
	Min	0.3			1			0.75			0.81		
	Mean	2.603			3.041			2.346			2.077		
	Max	6.01			6.4			5.3			6.58		
Gordon River Extension	N	6	0	0	7	0	0	6	0	0	6	0	0
	Min	1.09			0.04			0.75			0.15		
	Mean	25.59			3.624			2.245			2.782		
	Max	140.1			7.98			3.33			8.13		
Haldeman Cr Lower	N	13	0	0	13	0	0	14	0	0	11	0	0
	Min	2.25			3.65			4.56			2.9		
	Mean	7.531			7.595			9.2			5.906		
	Max	14.86			11			16.9			8.89		

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	13	0	0	11	0	0	12	0	0	12	0	0
	Min	8.79			7.245			5.335			6.17		
	Mean	22.86			12.86			12.57			18.32		
	Max	75.73			19.1			24.4			80.04		
Immokalee Basin	N	5	5	4	1	0	8	13	14	15	20	11	3
	Min	0.15	0.46	1	0.51		1	0.15	0.3	0.3	0.19	0.15	0.15
	Mean	1.418	1.412	4.528	0.51		2.52	1.862	2.091	1.565	1.338	1.636	1.377
	Max	2.89	3.15	9.37	0.51		3.7	4.3	5.62	4.1	3.29	4.09	2.48
Naples Bay	N	8	0	0	8	0	0	9	0	0	7	0	0
	Min	1			0.5			2.4			1		
	Mean	3.471			2.856			4.521			2.776		
	Max	6.6			4.86			9.6			4.82		
Okaloacoochee Slough	N	16	0	0	15	0	0	16	0	0	17	0	0
	Min	0.15			0.15			0.15			0.15		
	Mean	1.278			1.009			1.258			0.937		
	Max	3.67			2.87			4			4.03		
Rookery Bay Coastal	N	0	0	0	1	0	0	0	0	0	0	0	0
	Min				2								
	Mean				2								
	Max				2								
Rookery Bay East	N	20	0	0	18	0	0	17	0	0	20	0	0
	Min	0.15			0.52			0.2			0.15		
	Mean	0.954			1.291			1.172			0.771		
	Max	2.5			2.85			3.5			2.19		
Rookery Bay West	N	12	0	0	10	0	0	12	0	0	14	0	0
	Min	0.3			1			0.49			1		
	Mean	4.138			3.268			7.588			3.37		
	Max	15.15			7.2			54			13.97		

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Copper (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	5	5	9	5	5	10	6	7	10	5	5
	Min	4.05	3.4	3.35	2.11	3.18	3.22	3.11	1.9	1.2	1.37	3.09	2.16
	Mean	5.271	4.64	6.246	5.617	4.744	9.526	5.737	5.608	2.879	4.131	4.018	3.506
	Max	7.18	6.41	10.7	9.95	6.9	19.07	12	13.43	4.35	9.47	5.76	4.9
Tamiami Canal	N	44	0	0	37	0	0	54	0	0	54	0	0
	Min	0.15			0.15			0.27			0.15		
	Mean	0.804			0.775			1.353			0.848		
	Max	2.66			1.76			3.99			5.3		
Ten Thousand Islands	N	23	0	0	30	0	0	26	0	0	25	0	0
	Min	0.15			0.38			0.65			0.15		
	Mean	1.917			2.05			1.878			0.926		
	Max	9.74			11.8			5.71			4.94		

**Summary of Monthly WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	13	14	15	18	13	17	11	16	12	14	12	15
	Min	1.1	1.13	1.28	0.84	0.93	1.45	0.78	0.765	0.31	1	0.715	0.92
	Mean	2.834	3.309	3.088	3.782	4.542	3.403	2.956	2.617	1.761	2.119	1.821	2.356
	Max	7.63	5.37	6.7	8.13	7.15	6.94	6.55	8.05	3.47	5.64	2.87	3.34
Camp Keais	N	28	32	27	27	21	22	26	31	32	35	32	33
	Min	0.37	0.8	1.12	0.33	0.68	0.47	0.39	0.25	0.34	0.53	0.42	0.48
	Mean	3.019	3.001	3.449	4.355	3.399	2.868	2.187	2.079	1.65	1.864	1.814	2.405
	Max	6.175	7.76	7.08	22	10.12	8.325	6.095	6.105	3.28	5.56	3.82	5.5
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	3.68	2.3	3.45	4.09	3.09	3.54	2.68	2.49	2.86	2.53	2.27	2.34
	Mean	6.514	5.72	5.186	4.805	4.723	5.267	5.82	6.206	5.436	3.356	3.696	5.374
	Max	11.66	8.91	8.54	5.48	7.37	6.34	8.94	8.95	11.62	5.07	5.18	8.04
Cocohatchee Inland	N	108	103	112	130	102	126	115	134	110	107	106	142
	Min	0.65	1.575	1.5	0.9	0.9	0.1	0.31	0.1	0.4	1	1.27	0.82
	Mean	6.891	6.586	6.98	6.49	6.348	5	4.715	4.196	4.049	4.665	5.49	5.557
	Max	12.8	13.47	15.92	13.83	12.77	12.3	11.47	12	8.38	8.34	14.05	15.05
Cocohatchee River	N	26	24	27	30	28	31	28	31	26	27	24	31
	Min	3.83	2.65	1.4	1.18	0.42	1.24	1.31	1.52	2.42	1.81	2.255	3.21
	Mean	5.965	5.354	5.389	5.884	4.703	4.033	3.806	4.003	3.577	4.405	4.784	5.032
	Max	8.72	10.04	11.86	16.74	14.57	6.14	6.54	7.2	4.8	6.62	8.38	8.06
Corkscrew Swamp	N	1	1	5	43		34		51	6	1	1	54
	Min	9.7	7.74	0.8	0.2		0.21		0.08	0.23	6.01	5.005	0.18
	Mean	9.7	7.74	3.407	2.523		2.557		2.585	1.972	6.01	5.005	3.047
	Max	9.7	7.74	7.235	6.6		9.5		11	6.05	6.01	5.005	9.3
Cow Slough	N	6	7	5	2	1	6	9	11	10	11	11	8
	Min	4.16	2.01	2.01	0.84	4.86	2.05	2.34	0.93	0.93	1.84	2.11	1.12
	Mean	7.157	6.023	5.216	2.315	4.86	3.375	3.362	3.2	3.065	4.081	3.845	4.039
	Max	9.36	8.86	8.02	3.79	4.86	6.31	5.28	5.35	6.46	6.23	6.92	7.35

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	38	41	42	43	42	44	40	43	39	42	37	44
	Min	3.92	4.27	1.28	1.73	3.5	1.335	0.495	0.775	0.3	1.9	1.35	3.05
	Mean	7.306	7.545	7.399	6.942	6.858	5.61	4.662	3.936	2.992	4.216	5.624	6.185
	Max	14.08	12.66	10.92	12.82	11.65	9.17	8.32	7.815	5.55	7.97	10.27	10.3
Faka Union South	N	61	59	62	66	59	68	57	65	54	57	56	68
	Min	1.79	2.62	2.13	2.22	1.34	0.35	0.975	0.98	0.72	0.24	0.22	1.54
	Mean	7.795	8.041	7.994	7.235	7.31	6.342	4.749	4.168	3.064	4.223	5.162	6.571
	Max	11.77	12.18	12.88	12.61	11.95	17.57	10.42	13	6.82	7.99	12.17	11.33
Fakahatchee Strand	N	35	38	37	60	34	53	35	52	36	36	38	55
	Min	2.73	0.8	1.55	0.25	0.88	0.12	0.33	0.11	0.31	0.74	1.08	0.55
	Mean	5.947	5.794	5.021	4.324	3.709	2.845	1.959	2.087	1.889	3.183	3.859	3.414
	Max	12.77	10.05	8.21	15.1	13.73	10.69	4.19	5.6	4.67	8.07	7.92	7.88
Golden Gate	N	69	72	69	103	71	107	70	110	68	67	67	112
	Min	3.55	3.25	3.735	1.17	1.1	0.8	1.87	0.5	1.63	0.93	1.595	1.3
	Mean	6.449	6.416	7.092	6.66	6.693	5.937	4.869	4.144	3.528	4.129	4.988	5.477
	Max	11.97	11.56	11.9	12.6	11.79	12.27	11.87	15.8	7.05	7.6	9.13	9.8
Gordon Marine	N	43	44	39	44	42	43	40	43	43	39	35	41
	Min	1	0.93	0.96	1.05	0.75	0.17	1.42	1.08	0.84	0.9	0.43	0.81
	Mean	5.144	4.744	4.609	4.72	3.793	3.455	4.112	3.803	3.555	3.862	4.274	4.315
	Max	8.46	8.1	8.1	14.32	9.03	7.05	7.35	6.63	6.7	6.83	7.86	7.43
Gordon River Extension	N	10	10	7	19	10	20	12	19	6	14	13	20
	Min	0.94	1.5	0.94	0.64	1.31	0.6	1.245	0.8	0.745	0.82	1.06	1.1
	Mean	5.047	4.096	2.744	4.198	4.673	3.059	3.793	3.172	1.561	3.899	3.581	3.657
	Max	10	10.6	5.4	12.4	12	11	12.5	13.8	2.77	12.2	9.4	10.4
Haldeman Cr Lower	N	17	16	16	19	16	17	15	16	15	14	14	15
	Min	3.24	2.55	2.56	2.68	1.78	2.165	2.815	1.755	1.485	1.925	3.18	2
	Mean	4.692	4.691	4.819	4.327	3.732	3.268	3.686	3.298	3.201	3.943	4.435	3.784
	Max	6.7	6.96	11.2	7.79	5.74	4.67	4.87	6.35	4.8	7.8	6.14	5.74

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	15	15	21	16	21	14	21	14	14	14	20
	Min	4.33	4.87	4.56	2.94	2.39	3.07	3.11	2.54	2.62	2.36	4.27	4.72
	Mean	8.012	7.378	6.966	6.96	5.95	5.551	5.121	4.996	5.045	4.846	6.053	6.909
	Max	11.28	9.28	9.54	9.3	9.58	12.29	7.69	8.4	7.09	7.21	8.78	10.8
Immokalee Basin	N	5	6	6	1	1	8	15	18	19	20	12	4
	Min	1.6	0.79	0.32	3.56	0.54	0.45	0.47	0.16	0.04	0.32	0.6	0.79
	Mean	4.972	3.568	6.372	3.56	0.54	4.153	3.093	2.015	2.521	3.269	4.657	2.51
	Max	8.14	7.29	11.21	3.56	0.54	7.8	7.23	6.61	7.52	10.24	9.38	5.91
Naples Bay	N	11	12	10	23	11	15	12	18	18	10	8	12
	Min	5.37	1.3	4.35	3.795	4.36	1.6	2.835	2.95	2.995	2.62	3.505	1.32
	Mean	6.574	5.95	5.835	6.377	5.395	5.187	4.76	4.794	4.815	5.042	5.744	5.705
	Max	7.745	7.42	6.815	10.8	6.785	8.6	7.8	10.6	9.1	7.25	6.895	7.92
Okaloacoochee Slough	N	16	19	17	18	13	16	15	18	18	17	18	17
	Min	1.14	1.04	1.55	0.23	0.46	0.21	0.2	0.12	0.21	0.44	0.67	1.2
	Mean	4.363	3.816	4.592	3.21	3.033	2.968	2.519	1.685	1.399	1.886	2.471	3.628
	Max	10.05	8.48	7.25	5.81	6.01	7.21	8.24	4.65	4.77	6.265	5.56	8.02
Rookery Bay Coastal	N	7	9	8	40	13	18	12	24	19	2	8	11
	Min	1.5	1.4	0.5	0.1	0.1	0.5	0.45	1.4	0.1	4.78	0.6	2.7
	Mean	2.279	3.789	3.179	4.714	2.431	2.398	1.571	3.338	2.613	5.045	3.138	4.598
	Max	3.8	6.2	5.6	13.4	4.8	5.4	3.5	6.2	6.4	5.31	5.2	9.5
Rookery Bay East	N	28	26	24	37	27	35	26	36	23	22	25	37
	Min	1.5	1.13	1.51	1.9	1.34	1.433	1.51	0.2	1.57	1.055	1.18	0.63
	Mean	6.525	6.519	5.983	5.943	5.141	4.97	4.919	4.548	3.928	5.125	6.093	5.739
	Max	12.58	10.14	10.85	12	10.61	10.02	9.28	8	6.21	7.76	10.88	10.45
Rookery Bay West	N	15	14	14	22	14	24	14	23	14	14	14	22
	Min	3.49	3.11	3.55	2.97	3.42	0.4	1.5	1.41	2.2	1.93	1.86	2.1
	Mean	7.602	6.801	6.817	5.84	5.643	5.055	4.027	3.959	3.649	4.366	5.888	6.15
	Max	12.79	11.12	9.87	9.1	7.74	8.83	6.3	7.9	5.415	5.79	9.3	9.02

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	9	10	11	9	11	10	13	10	10	10	13
	Min	3.69	3.57	3.86	1.1	3.15	0.5	1.62	0.7	1.54	2.59	3.34	1.5
	Mean	6.365	6.184	6.049	3.712	5.166	2.965	2.854	3.042	3.246	4.167	4.212	4.638
	Max	10.02	9.43	8.09	5.56	8.89	4.91	4.26	5.19	5.32	6.08	4.87	6.81
Tamiami Canal	N	56	49	44	59	40	62	60	65	56	59	61	66
	Min	1.55	1.32	1.48	1.7	1.27	1.6	1.3	1.18	1.41	1.37	1.52	1.19
	Mean	3.906	4.413	3.94	4.442	4.025	3.395	2.82	3.054	2.798	3.25	3.321	3.338
	Max	9.56	10.52	9.19	10.8	10.36	9.14	5.38	4.82	5.115	8.19	6.95	7.785
Ten Thousand Islands	N	28	32	29	64	30	37	28	59	27	31	27	32
	Min	2.84	3.185	2.46	1.91	1.65	1.905	1.98	0.1	1.865	1.18	2.225	1.4
	Mean	5.993	5.687	4.74	4.822	4.441	4.259	3.697	3.742	3.619	4.335	4.739	5.082
	Max	8.735	11.87	6.6	10.79	7.61	8.74	6.88	7.65	5.74	7.86	7.26	6.9

**Summary of Monthly WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	13	14	15	14	15	13	14	13	13	13	14
	Min	11	2	3	1	1	1	7	1	13	1	16	4
	Mean	53.13	141.7	23.36	75.07	21.07	47.27	34.08	76	81.46	38.77	46.46	34.36
	Max	123	1524	44	870	58	240	86	600	380	130	134	96
Camp Keais	N	29	31	27	26	18	18	27	29	34	32	34	32
	Min	8	1	1	1	1	1	2	1	4	6	1	1
	Mean	48.85	53.23	97.56	64.08	82.67	28.28	58.3	39.76	63.68	57.97	41.44	92.94
	Max	240	310	1388	330	520	96	400	390	300	360	280	881
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	33	20	34	11	1	42	44	104	104	26	39	9
	Mean	75.2	188.4	62.8	185.3	173.3	105.7	221.4	663.8	331.8	156.6	81	144.6
	Max	150	550	107	560	430	175	640	1267	1180	260	147	280
Cocohatchee Inland	N	99	110	109	118	107	108	115	121	116	109	103	112
	Min	1	1	1	1	1	1	1	1	1	1	1	1
	Mean	81.97	76.9	59.5	112.7	84.06	165.8	180.7	189.8	183.3	109.7	113.1	104
	Max	2000	640	600	6400	2000	4000	2600	3000	1160	1120	2000	2000
Cocohatchee River	N	22	26	27	29	28	28	28	28	27	25	23	27
	Min	6.75	1	2	4	2	4	2	16	7	1	8	1
	Mean	111.2	112.8	97.26	47.07	62.93	196.3	173.9	214	212	194.3	123.5	90.85
	Max	710	570	960	180	480	1000	740	1500	960	520	306	383
Corkscrew Swamp	N	1	1	5	39		30		47	6	1	1	50
	Min	70	100	1	3		1		3	6	170	200	6
	Mean	70	100	71.6	121.5		83.67		93.17	18.83	170	200	148.7
	Max	70	100	236	720		310		600	60	170	200	980
Cow Slough	N	2	3	2	1	1	2	4	4	4	5	6	4
	Min	127	46	1	140	430	84	30	96	121	39	70	200
	Mean	348.5	508.7	334	140	430	1042	245.8	248.3	455	3385	1569	966.8
	Max	570	1160	667	140	430	2000	393	480	1086	16250	4000	1550

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	39	42	42	41	41	42	42	41	42	40	41	42
	Min	1	1	1	1	1	1	1	1	1	1	1	1
	Mean	12.17	13.14	45.71	11.9	27.54	23.02	24.74	39.95	71.67	147.6	27.32	23.12
	Max	84	100	836	61	210	370	185	197	600	4550	340	270
Faka Union South	N	57	59	61	63	59	64	61	63	61	61	61	64
	Min	1	1	1	1	1	1	1	1	1	1	1	1
	Mean	49.13	42.49	17.87	18.46	22.66	41.02	31.43	27.46	34.49	67.79	40.2	60.34
	Max	650	560	130	143	410	520	260	370	430	720	320	1280
Fakahatchee Strand	N	32	36	37	47	32	44	35	49	38	37	37	51
	Min	9	1	1	2	1	1	6	1	1	2	6	6
	Mean	84.84	52.03	71.92	112.7	35.38	74.75	37.97	42.1	39.84	50.51	61.62	122.3
	Max	400	250	700	2000	560	600	114	390	420	550	270	1050
Golden Gate	N	65	72	70	69	69	75	70	72	70	67	66	93
	Min	1	1	1	1	1	1	2	1	1	1	4	1
	Mean	53.48	30.1	26.89	50.67	193.6	101.4	85.51	83.81	82.47	60.25	45.56	45.19
	Max	640	210	530	1000	11000	4000	2000	840	570	680	420	440
Gordon Marine	N	36	43	40	44	41	43	41	43	43	40	40	43
	Min	4	10	4	1	3	1	8	4	1	8	7	10
	Mean	125.7	142.5	76.28	103.2	56.07	147.7	177	244.6	427.3	153.8	114.7	151.7
	Max	530	1043	440	570	230	2000	870	3070	3200	770	623	890
Gordon River Extension	N	10	10	7	14	11	15	12	14	6	14	13	14
	Min	36	4	14	18	15	1	170	49	320	1	14	23
	Mean	204.5	168.7	87.43	195.9	219.7	1267	1073	761.7	965.5	495.3	299.5	124.3
	Max	580	1160	143	830	1130	7200	4300	3400	2800	4480	2000	370
Haldeman Cr Lower	N	14	15	16	16	16	15	14	15	14	14	15	15
	Min	66	62	27	1	13	1	20	9	1	89	48	79
	Mean	276.9	336	207.2	332.7	198.6	503.9	574.4	964.5	566.6	450.1	330.9	293.7
	Max	776	1000	580	3400	930	2480	1400	6400	1020	1170	840	550

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	15	16	16	17	15	17	16	16	15	15	15	18
	Min	17	13	9	4	1	10	22	5	37	19	18	4
	Mean	98.15	149.2	74.63	71.29	67.53	207.6	826.9	231.8	408.9	234	84.13	142.7
	Max	470	600	330	460	440	1200	6300	1030	2350	2120	195	600
Immokalee Basin	N	1	1	1	1	1	0	2	3	3	5	1	1
	Min	6	33	2	157	500		23	16	77	18	46	7
	Mean	6	33	2	157	500		54.5	94.33	115.7	122.4	46	7
	Max	6	33	2	157	500		86	140	190	373	46	7
Naples Bay	N	9	10	11	15	12	12	11	12	12	9	10	11
	Min	3	8	2	1	1	1	1	1	18	12	8	3
	Mean	30.06	26.7	51.73	17.17	12.75	45.96	153.1	119.5	321.7	100.7	28.9	78.91
	Max	60	95	420	92	41	195	1100	600	2000	520	56	200
Okaloacoochee Slough	N	16	18	17	15	14	13	17	16	19	17	19	18
	Min	1	3	1	1	7	1	7	11	1	8	20	7
	Mean	672.1	74.78	482.4	70.47	100.4	227.9	126.5	125.9	151.6	144.2	81.47	82.06
	Max	9600	340	5000	350	430	2000	1057	593	800	860	447	390
Rookery Bay Coastal	N	7	7	7	26	12	16	13	16	14	0	7	7
	Min	16	93	7	1.5	7	1.5	33	4	96		10	10
	Mean	163	263.6	102.9	230.6	135.3	407.1	884.1	151.9	311.5		278.6	218.6
	Max	620	710	330	2600	690	1580	4000	670	940		900	500
Rookery Bay East	N	24	26	25	28	20	27	25	24	23	25	25	30
	Min	1	1	1	1	1	1	1	1	21	4	1	1
	Mean	89.03	64.46	37.96	39	43.3	184.2	261.3	71	119.4	71.24	29.04	26.1
	Max	756.8	310	280	390	460	3000	5400	440	340	460	320	183
Rookery Bay West	N	14	15	15	16	13	19	16	17	15	15	15	19
	Min	7	13	8	1	1	2	4	2	11	2	1	4
	Mean	62.8	117.7	59.33	326	57.92	451.9	307.1	146.6	173.7	117.8	51.67	96.26
	Max	180	570	270	4600	134	4000	3600	880	520	700	187	600

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	5	5	5	5	4	5	5	4	4	5	5	7
	Min	26	20	6	15	4	22	70	17	16	11	18	7
	Mean	174.2	121.6	219.6	1316	126.5	520	146.4	180.3	318.3	863.4	76.8	59.71
	Max	410	420	580	6000	270	2000	193	370	450	2200	180	116
Tamiami Canal	N	51	54	51	50	44	54	60	62	61	57	60	57
	Min	3	1	2	1	1	4	10	10	16	11	21	7
	Mean	83.26	48.13	51.22	46.32	70.7	102.3	106.3	95.56	89.52	65.75	86.13	95.19
	Max	490.5	215	220	240	720	740	610	450	1129	290	220	440
Ten Thousand Islands	N	26	27	29	39	29	32	30	32	30	27	28	27
	Min	1	1	1	1	1	1	2	1	1	1	1	1
	Mean	60.97	80.89	26.52	24.17	16	85.69	65.77	67.22	81.6	39.63	71.54	85.48
	Max	434.3	950	210	590	195	1980	920	573	453	170	490	527

**Summary of Monthly WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	13	0	0	15	0	0	13	1	0	13	0	1
	Min	130			0.15			120	0.12		170		0.28
	Mean	571.2			807.1			612.6	0.12		392.9		0.28
	Max	1530			1910			1640	0.12		1063		0.28
Camp Keais	N	29	0	0	25	0	0	23	0	0	32	0	0
	Min	72.6			100			76			100		
	Mean	245.2			290.8			247.7			295.9		
	Max	1897			896			630			791		
Cocohatchee GC Disch	N	5	0	0	4	0	0	5	0	0	5	0	0
	Min	225			151			360			311		
	Mean	765.3			371.9			1248			1251		
	Max	1470			708.7			2274			2720		
Cocohatchee Inland	N	111	13	12	114	12	14	109	15	13	96	7	17
	Min	0.123	0.1	0.1	0.09	0.06	0.1	0.12	0.12	0.17	0.12	0.14	0.095
	Mean	276.4	0.389	0.253	258.6	49.31	1.069	331.8	0.449	0.606	354	0.363	0.354
	Max	1290	1.19	1.07	2200	590	8.62	1240	0.9	1.3	1070	0.7	0.85
Cocohatchee River	N	26	4	4	28	5	5	27	5	5	21	2	4
	Min	0.216	0.22	0.31	0.025	0.15	0.23	0.07	0.11	0.12	0.3	0.5	0.29
	Mean	255.4	0.685	0.438	335.7	0.348	0.812	355.4	0.422	0.675	407.7	0.55	0.429
	Max	580	1.63	0.7	1100	0.68	2.99	1050	0.55	1.4	810	0.6	0.545
Corkscrew Swamp	N	1	0	4	39		4		4	0	1	0	4
	Min	605		0.043	79.84		0.12		0.1		545		0.12
	Mean	605		0.493	377.6		0.408		0.285		545		0.19
	Max	605		0.92	1830		0.69		0.6		545		0.342
Cow Slough	N	2	0	0	1	0	0	5	0	0	5	0	0
	Min	210			360			142.6			280		
	Mean	578.4			360			295.2			664.1		
	Max	946.7			360			450			911.6		

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	42	0	0	41	0	0	39	0	0	37	0	0
	Min	40.3			18.3			98			79.8		
	Mean	298.7			208.8			512.3			679.4		
	Max	1390			654			1496			1700		
Faka Union South	N	62	0	0	62	0	1	61	1	0	61	0	1
	Min	20.4			14.7		0.34	28.7	0.035		29		0.062
	Mean	158.7			161.4		0.34	204.6	0.035		238.6		0.062
	Max	440			960		0.34	720	0.035		540		0.062
Fakahatchee Strand	N	37	0	0	47	0	1	36	0	0	38	0	1
	Min	19.58			0.72		0.46	38.6			18.9		0.31
	Mean	122.7			179.5		0.46	221.1			215.4		0.31
	Max	440			780		0.46	776.4			1300		0.31
Golden Gate	N	69	9	10	69	8	10	71	11	9	61	5	12
	Min	0.287	0.29	0.072	0.11	0.14	0.004	0.17	0.12	0.37	0.03	0.4	0.221
	Mean	529.5	0.653	0.408	358.2	0.438	0.815	528.8	0.683	0.849	682.5	0.706	0.643
	Max	1500	0.99	1	1700	1.12	4.7	1500	1.2	1.24	1380	0.8	1.16
Gordon Marine	N	42	6	6	43	5	6	42	6	6	36	3	6
	Min	0.208	0.16	0.145	0.16	0.3	0.3	0.17	0.12	0.15	0.3	0.12	0.17
	Mean	291.1	0.643	0.274	241.9	0.347	0.508	349.9	0.327	0.474	390.8	0.373	0.477
	Max	880	1.54	0.42	900	0.415	1	2530	0.57	0.91	870	0.7	0.72
Gordon River Extension	N	6	0	1	7	0	2	6	1	0	6	0	2
	Min	55.08		0.04	0.061		0.24	71.1	0.08		31.82		0.12
	Mean	135.4		0.04	118.7		1.47	167.9	0.08		191.7		0.195
	Max	312		0.04	277		2.7	521	0.08		700		0.27
Haldeman Cr Lower	N	16	1	2	16	2	2	14	2	1	14	1	1
	Min	0.18	0.19	0.22	0.17	0.22	0.25	0.7	0.012	0.21	0.12	0.2	0.12
	Mean	237.7	0.19	0.26	227	0.23	0.405	185.8	0.066	0.21	150.5	0.2	0.12
	Max	700	0.19	0.3	790	0.24	0.56	710	0.12	0.21	240	0.2	0.12

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	2	2	16	2	3	15	3	2	14	1	3
	Min	0.12	0.069	0.055	0.069	0.12	0.11	0.12	0.12	0.12	1.2	0.12	0.12
	Mean	134.6	0.2	0.088	106.5	0.135	0.113	97.7	0.147	0.165	97.6	0.12	0.147
	Max	600	0.33	0.12	560	0.15	0.12	160	0.19	0.21	200	0.12	0.2
Immokalee Basin	N	1	0	0	1	0	0	3	0	0	5	0	0
	Min	67.1			132			191			102		
	Mean	67.1			132			206.3			183.4		
	Max	67.1			132			230			339		
Naples Bay	N	11	2	2	13	3	3	12	3	3	9	1	2
	Min	0.17	0.16	0.18	0.018	0.17	0.023	0.12	0.098	0.13	1.1	0.4	0.303
	Mean	451	0.875	0.24	294.7	0.227	0.228	330.1	0.126	0.36	404.6	0.4	0.552
	Max	1180	1.59	0.3	770	0.3	0.4	660	0.159	0.67	600	0.4	0.8
Okaloacoochee Slough	N	17	0	0	16	0	0	16	0	0	16	0	0
	Min	50.1			100			95.69			89.21		
	Mean	161.1			333.1			313.5			254.7		
	Max	560			1210			753			645		
Rookery Bay Coastal	N	0	0	0	2	0	1	0	1	0	0	0	0
	Min				0.015		0.093		0.11				
	Mean				0.048		0.093		0.11				
	Max				0.08		0.093		0.11				
Rookery Bay East	N	25	3	3	25	3	1	22	2	3	23	2	2
	Min	0.12	0.052	0.078	0.17	0.27	0.64	0.28	0.18	0.12	0.11	0.12	0.12
	Mean	248.1	0.227	0.286	314.5	0.947	0.64	318.7	0.285	0.367	230.8	0.13	0.139
	Max	1440	0.49	0.4	1030	2.24	0.64	1210	0.39	0.78	763	0.14	0.157
Rookery Bay West	N	15	2	2	16	2	3	15	3	2	14	1	2
	Min	0.289	0.23	0.26	0.29	0.28	0.44	0.32	0.16	0.12	1	0.4	0.3
	Mean	192.2	0.41	0.33	242.5	0.435	1.137	251.9	0.3	0.25	241.2	0.4	0.306
	Max	480	0.59	0.4	770	0.59	2.4	540	0.45	0.38	540	0.4	0.311

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Iron (ug/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	5	0	0	5	0	1	6	1	0	5	0	1
	Min	141.1			2.5		33	87.1	1.8		927		0.27
	Mean	962.8			570.9		33	1297	1.8		1333		0.27
	Max	1362			1240		33	2500	1.8		1690		0.27
Tamiami Canal	N	54	1	0	50	1	1	60	1	1	56	1	0
	Min	6.01	0.003		0.12	0.22	0.29	0.29	0.31	0.16	0.075	0.59	
	Mean	222.5	0.003		122.1	0.22	0.29	179.9	0.31	0.16	99.01	0.59	
	Max	1500	0.003		290	0.22	0.29	1090	0.31	0.16	210	0.59	
Ten Thousand Islands	N	28	0	0	36	2	4	29	5	2	28	0	0
	Min	26.9			0.021	0.065	0.03	0.043	0.017	0.11	34.68		
	Mean	160.8			192	0.118	0.185	142.5	0.091	0.12	150.3		
	Max	400			980	0.17	0.45	400	0.17	0.13	340		

**Summary of Monthly WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	6	6	6	8	6	7	6	8	5	5	5	6
	Min	0.012	0.023	0.032	0.01	0.01	0.008	0.014	0.019	0.02	0.006	0.019	0.022
	Mean	0.108	0.077	0.096	0.042	0.043	0.043	0.041	0.05	0.047	0.053	0.066	0.097
	Max	0.262	0.199	0.223	0.082	0.09	0.12	0.11	0.074	0.066	0.174	0.106	0.27
Camp Keais	N	13	15	11	11	6	5	9	16	18	17	16	15
	Min	0.01	0.006	0.01	0.01	0.02	0.017	0.015	0.006	0.006	0.01	0.006	0.006
	Mean	0.194	0.177	0.041	0.13	0.751	0.036	0.11	0.058	0.059	0.068	0.076	0.198
	Max	1.85	1.16	0.148	0.857	4.26	0.08	0.265	0.244	0.355	0.224	0.41	1.18
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.011	0.009	0.006	0.01	0.01	0.06	0.038	0.02	0.006	0.02	0.011	0.029
	Mean	0.304	0.183	0.096	0.026	0.055	0.107	0.288	0.311	0.155	0.322	0.271	0.344
	Max	0.516	0.41	0.39	0.05	0.144	0.133	0.897	0.729	0.306	0.705	0.528	0.743
Cocohatchee Inland	N	52	53	52	62	51	58	52	72	53	46	46	60
	Min	0.006	0.006	0.006	0.006	0.007	0.007	0.009	0.006	0.006	0.006	0.01	0.006
	Mean	0.08	0.062	0.044	0.143	0.055	0.18	0.133	0.282	0.15	0.131	0.098	0.283
	Max	0.42	0.38	0.41	1.7	0.29	2.57	1.7	3.05	2	0.733	0.652	3.01
Cocohatchee River	N	6	9	7	8	8	8	8	8	8	7	5	9
	Min	0.066	94E-5	0.075	0.004	0.027	0.003	0.004	0.026	0.014	0.009	0.044	0.002
	Mean	0.143	0.116	0.103	0.05	0.078	0.054	0.065	0.073	0.059	0.077	0.097	0.107
	Max	0.252	0.315	0.13	0.11	0.196	0.151	0.14	0.13	0.126	0.185	0.177	0.219
Corkscrew Swamp	N	1	1	1	15		14		21	0	1	1	17
	Min	0.09	0.08	0.01	0.006		0.01		0.01		0.01	0.207	0.006
	Mean	0.09	0.08	0.01	0.221		0.265		0.09		0.01	0.207	0.07
	Max	0.09	0.08	0.01	1.3		3.27		0.418		0.01	0.207	0.307
Cow Slough	N	2	3	2	1	1	2	4	4	4	5	5	4
	Min	0.05	0.05	0.006	0.02	0.14	0.033	0.021	0.006	0.01	0.02	0.053	0.14
	Mean	0.149	0.108	0.018	0.02	0.14	0.037	0.034	0.041	0.067	0.215	0.246	0.321
	Max	0.247	0.154	0.03	0.02	0.14	0.04	0.06	0.072	0.149	0.798	0.497	0.599

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	18	18	18	20	18	17	18	20	18	15	15	17
	Min	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.01	0.006	0.006	0.006	0.006
	Mean	0.02	0.014	0.02	0.026	0.015	0.036	0.029	0.043	0.039	0.026	0.019	0.038
	Max	0.091	0.033	0.133	0.18	0.038	0.17	0.07	0.106	0.093	0.063	0.062	0.35
Faka Union South	N	24	22	24	28	23	25	23	29	24	19	19	24
	Min	0.006	0.006	0.006	0.006	0.006	0.01	0.006	0.006	0.006	0.006	0.006	0.006
	Mean	0.029	0.02	0.019	0.019	0.029	0.034	0.031	0.041	0.03	0.03	0.014	0.032
	Max	0.184	0.111	0.111	0.099	0.109	0.084	0.101	0.175	0.122	0.077	0.041	0.095
Fakahatchee Strand	N	13	12	13	29	12	23	14	22	14	11	10	19
	Min	0.012	0.019	0.01	0.01	0.012	0.017	0.02	0.006	0.01	0.02	0.01	0.006
	Mean	0.141	0.053	0.062	0.126	0.141	0.057	0.043	0.039	0.029	0.057	0.053	0.054
	Max	1.09	0.139	0.2	2.02	0.636	0.139	0.076	0.11	0.08	0.13	0.152	0.207
Golden Gate	N	32	33	31	53	31	52	31	66	33	29	28	58
	Min	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.004
	Mean	0.048	0.06	0.034	0.06	0.017	0.034	0.046	0.075	0.053	0.053	0.037	0.097
	Max	0.158	0.95	0.218	0.51	0.09	0.24	0.15	0.363	0.136	0.203	0.142	0.5
Gordon Marine	N	13	13	13	14	13	10	12	13	16	10	10	10
	Min	0.015	0.07	0.017	0.038	0.04	0.04	0.01	0.018	0.01	0.034	0.04	0.049
	Mean	0.167	0.172	0.125	6.467	0.121	0.096	0.07	0.069	0.097	0.091	0.091	0.171
	Max	0.415	0.297	0.22	89.33	0.422	0.181	0.221	0.12	0.38	0.228	0.147	0.36
Gordon River Extension	N	10	10	6	19	11	17	12	17	6	14	10	18
	Min	0.11	0.06	0.017	0.03	0.013	0.02	0.01	0.03	0.07	0.02	0.04	0.04
	Mean	0.285	0.245	0.178	0.13	0.094	0.17	0.105	0.144	0.277	0.159	0.223	0.294
	Max	0.839	0.572	0.29	0.29	0.318	0.52	0.27	0.447	0.457	0.571	0.52	0.701
Haldeman Cr Lower	N	6	6	6	6	6	6	6	7	7	5	5	5
	Min	0.109	0.127	0.057	0.083	0.037	0.061	0.01	0.035	0.04	0.11	0.07	0.118
	Mean	0.965	0.164	0.141	0.153	0.078	0.152	0.07	0.105	0.158	0.168	0.101	0.197
	Max	4.95	0.229	0.2	0.27	0.133	0.22	0.155	0.181	0.385	0.277	0.175	0.305

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	6	6	6	10	6	9	6	8	6	5	5	9
	Min	0.022	0.012	0.018	0.014	0.016	0.01	0.044	0.028	0.051	0.014	0.027	56E-5
	Mean	0.075	0.044	0.081	0.335	0.05	0.103	0.087	0.113	0.089	0.088	0.07	0.088
	Max	0.141	0.067	0.241	2.9	0.13	0.403	0.175	0.23	0.181	0.238	0.156	0.3
Immokalee Basin	N	1	1	1	1	1	0	2	3	3	5	1	1
	Min	0.13	0.01	0.01	0.04	0.45		0.06	0.038	0.01	0.01	0.03	0.006
	Mean	0.13	0.01	0.01	0.04	0.45		0.136	0.111	0.018	0.069	0.03	0.006
	Max	0.13	0.01	0.01	0.04	0.45		0.212	0.254	0.03	0.151	0.03	0.006
Naples Bay	N	0	2	1	6	2	4	2	6	9	1	0	1
	Min		75E-5	0.012	0.005	0.02	0.005	0.005	0.004	0.003	0.025		0.002
	Mean		0.056	0.012	0.107	0.065	0.016	0.008	0.055	0.221	0.025		0.002
	Max		0.111	0.012	0.27	0.11	0.03	0.012	0.09	0.338	0.025		0.002
Okaloacoochee Slough	N	9	11	8	10	6	7	9	10	11	9	10	9
	Min	0.01	0.01	0.006	0.01	0.016	0.019	0.01	0.01	0.01	0.006	0.006	0.006
	Mean	0.102	0.14	0.429	0.116	0.115	1.923	0.324	0.063	0.027	0.047	0.026	0.025
	Max	0.52	1.022	3.21	0.644	0.52	13	2.61	0.273	0.076	0.283	0.06	0.082
Rookery Bay Coastal	N	0	0	0	12	0	3	0	4	6	0	0	1
	Min				0.004		0.003		0.008	0.02			0.34
	Mean				48.41		0.051		0.018	0.443			0.34
	Max				89.33		0.14		0.04	2.13			0.34
Rookery Bay East	N	8	8	7	16	8	15	8	17	8	7	7	16
	Min	0.007	0.006	0.006	0.007	0.005	0.006	0.006	0.006	0.006	0.004	0.006	0.006
	Mean	0.033	0.021	0.038	0.115	0.051	0.13	0.037	0.163	0.025	0.056	12.86	0.212
	Max	0.182	0.053	0.152	0.63	0.265	0.537	0.104	0.97	0.05	0.142	89.92	0.89
Rookery Bay West	N	6	6	6	10	5	10	6	9	6	5	5	11
	Min	0.012	0.006	0.006	0.006	0.01	0.01	0.027	0.033	0.04	0.022	0.01	0.006
	Mean	0.019	0.021	0.025	0.073	0.041	0.105	0.081	0.058	0.065	0.061	0.03	0.055
	Max	0.031	0.05	0.058	0.34	0.16	0.41	0.27	0.12	0.144	0.147	0.09	0.19

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	5	5	5	5	4	6	5	6	4	5	5	6
	Min	0.13	0.102	0.052	0.02	0.19	0.09	0.039	0.042	0.449	0.112	0.553	0.19
	Mean	0.775	0.6	0.811	0.363	0.245	2.573	2.975	0.375	0.577	0.649	0.782	0.776
	Max	2.18	1.73	3.47	0.68	0.376	14	11.1	0.971	0.664	1.81	1.21	1.38
Tamiami Canal	N	20	20	19	24	16	16	21	22	20	17	17	21
	Min	0.006	0.006	0.006	0.01	0.006	0.006	0.006	0.006	0.006	94E-5	0.006	0.006
	Mean	0.076	0.049	0.068	0.157	0.126	0.022	0.022	0.058	0.013	0.051	0.079	0.073
	Max	0.263	0.18	0.191	2.1	0.465	0.059	0.07	0.219	0.023	0.18	0.252	0.26
Ten Thousand Islands	N	12	17	11	35	14	18	14	27	14	15	10	15
	Min	0.012	6E-4	0.01	0.003	0.003	0.002	0.002	0.002	0.003	0.004	0.006	0.003
	Mean	0.081	0.049	0.058	5.147	0.07	0.035	0.034	0.037	0.027	0.017	0.062	0.033
	Max	0.242	0.163	0.14	89.33	0.199	0.152	0.072	0.16	0.107	0.08	0.32	0.17

**Summary of Monthly WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	13	12	14	15	13	15	12	13	12	12	11	13
	Min	0.01	0.009	0.002	0.002	0.002	0.002	0.008	0.003	0.003	0.004	0.01	0.01
	Mean	0.046	0.03	0.038	0.02	0.031	0.033	0.052	0.03	0.033	0.017	0.053	0.049
	Max	0.106	0.061	0.18	0.059	0.134	0.153	0.251	0.07	0.147	0.035	0.114	0.083
Camp Keais	N	25	25	25	22	19	18	26	29	31	30	28	27
	Min	0.002	0.002	0.002	0.002	0.01	0.007	0.002	0.002	0.002	0.003	0.002	0.002
	Mean	0.027	0.015	0.01	0.019	0.027	0.012	0.013	0.009	0.009	0.009	0.012	0.018
	Max	0.092	0.05	0.03	0.065	0.218	0.04	0.069	0.026	0.016	0.02	0.08	0.073
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.113	0.129	0.143	0.024	0.042	0.093	0.022	0.019	0.025	0.008	0.043	0.059
	Mean	0.322	0.312	0.277	0.125	0.255	0.192	0.125	0.103	0.105	0.115	0.352	0.411
	Max	0.732	0.498	0.492	0.264	0.521	0.262	0.36	0.355	0.284	0.364	0.893	0.816
Cocohatchee Inland	N	103	97	108	108	103	101	110	110	110	101	98	102
	Min	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.004	0.002
	Mean	0.105	0.073	0.043	0.027	0.029	0.032	0.048	0.062	0.08	0.103	0.119	0.121
	Max	0.716	0.456	0.39	0.267	0.23	0.256	0.231	0.263	0.36	0.39	1.14	0.579
Cocohatchee River	N	22	24	25	25	26	27	26	25	25	22	20	23
	Min	0.01	0.01	0.002	0.009	0.008	0.002	0.006	0.004	0.01	0.02	0.029	0.01
	Mean	0.097	0.094	0.066	0.061	0.045	0.057	0.083	0.113	0.121	0.1	0.147	0.137
	Max	0.2	0.2	0.237	0.28	0.25	0.67	0.39	0.421	0.28	0.191	0.257	0.26
Corkscrew Swamp	N	1	1	5	39		28		47	2	1	1	41
	Min	0.181	0.251	0.01	0.002		0.002		0.002	0.005	0.182	0.016	0.002
	Mean	0.181	0.251	0.043	0.037		0.068		0.041	0.005	0.182	0.016	0.08
	Max	0.181	0.251	0.14	0.27		0.35		0.256	0.005	0.182	0.016	0.759
Cow Slough	N	5	6	4	1	1	5	7	9	9	10	9	7
	Min	0.04	0.009	0.01	0.07	0.163	0.002	0.002	0.003	0.006	0.01	0.009	0.017
	Mean	0.106	0.052	0.038	0.07	0.163	0.033	0.019	0.029	0.023	0.059	0.067	0.074
	Max	0.248	0.125	0.077	0.07	0.163	0.086	0.042	0.065	0.075	0.16	0.128	0.27

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12	
Basin														
Faka Union North	N	37	35	39	38	40	36	39	36	37	35	32	36	
	Min	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002
	Mean	0.023	0.014	0.012	0.013	0.011	0.017	0.017	0.024	0.034	0.036	0.029	0.033	
	Max	0.16	0.11	0.14	0.09	0.07	0.15	0.1	0.097	0.099	0.14	0.11	0.13	
Faka Union South	N	56	47	57	56	52	54	54	61	58	56	56	57	
	Min	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
	Mean	0.013	0.009	0.008	0.009	0.034	0.01	0.013	0.015	0.018	0.016	0.02	0.018	
	Max	0.094	0.036	0.03	0.04	1.31	0.05	0.05	0.074	0.08	0.08	0.066	0.1	
Fakahatchee Strand	N	34	33	34	51	31	44	34	45	36	34	34	46	
	Min	0.004	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.002	
	Mean	0.018	0.013	0.015	0.028	0.024	0.023	0.009	0.007	0.007	0.009	0.015	0.015	
	Max	0.078	0.06	0.19	0.245	0.18	0.181	0.02	0.032	0.015	0.043	0.05	0.08	
Golden Gate	N	62	62	66	70	65	74	67	70	66	61	58	67	
	Min	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002
	Mean	0.063	0.043	0.03	0.018	0.013	0.018	0.04	0.055	0.063	0.063	0.062	0.081	
	Max	0.181	0.184	0.27	0.114	0.06	0.143	0.135	0.156	0.2	0.172	0.263	0.82	
Gordon Marine	N	34	34	38	38	41	36	40	37	37	33	32	36	
	Min	0.002	0.01	0.002	0.01	0.01	0.004	0.002	0.002	0.041	0.02	0.002	0.01	
	Mean	0.093	0.07	0.046	0.045	0.027	0.032	0.055	0.094	0.098	0.099	0.091	0.116	
	Max	0.343	0.17	0.13	0.208	0.058	0.12	0.13	0.17	0.19	0.235	0.331	0.307	
Gordon River Extension	N	6	6	7	9	6	10	6	9	6	6	6	11	
	Min	0.106	0.033	0.008	0.014	0.006	0.01	0.013	0.046	0.051	0.025	0.103	0.03	
	Mean	0.201	0.161	0.134	0.135	0.061	0.041	0.099	0.116	0.129	0.201	0.222	0.305	
	Max	0.31	0.267	0.288	0.31	0.091	0.078	0.137	0.218	0.177	0.336	0.357	0.6	
Haldeman Cr Lower	N	15	13	16	14	15	13	15	13	12	13	13	14	
	Min	0.002	0.02	0.01	0.01	0.01	0.005	0.011	0.02	0.024	0.005	0.004	0.018	
	Mean	0.039	0.043	0.037	0.029	0.025	0.029	0.04	0.057	0.047	0.054	0.049	0.06	
	Max	0.17	0.12	0.162	0.127	0.049	0.086	0.1	0.12	0.07	0.18	0.142	0.1	

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	14	14	14	16	15	14	14	15	14	13	12	13
	Min	0.007	0.01	0.003	0.007	0.003	0.004	0.002	0.01	0.023	0.016	0.017	0.002
	Mean	0.045	0.051	0.038	0.024	0.024	0.056	0.043	0.064	0.059	0.076	0.073	0.072
	Max	0.14	0.37	0.211	0.114	0.082	0.2	0.102	0.14	0.15	0.29	0.19	0.259
Immokalee Basin	N	3	3	2	1	1	5	11	13	16	17	9	3
	Min	0.009	0.003	0.002	0.05	0.049	0.01	0.002	0.005	0.002	0.003	0.004	0.005
	Mean	0.01	0.01	0.006	0.05	0.049	0.3	0.244	0.16	0.275	0.432	0.843	0.014
	Max	0.01	0.017	0.01	0.05	0.049	1.328	1.26	0.986	1.579	2.38	2.837	0.031
Naples Bay	N	7	10	10	10	11	11	11	10	10	9	7	10
	Min	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.042	0.02	0.02	0.02
	Mean	0.061	0.052	0.023	0.023	0.024	0.021	0.042	0.081	0.098	0.076	0.054	0.068
	Max	0.18	0.29	0.05	0.059	0.04	0.07	0.1	0.165	0.14	0.17	0.09	0.1
Okaloacoochee Slough	N	16	17	15	16	13	14	16	17	18	15	16	16
	Min	0.002	0.004	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
	Mean	0.016	0.018	0.011	0.026	0.021	0.018	0.015	0.007	0.021	0.007	0.01	0.014
	Max	0.048	0.086	0.04	0.108	0.11	0.123	0.106	0.012	0.253	0.012	0.042	0.036
Rookery Bay Coastal	N	1	1	1	5	1	2	0	2	0	0	0	1
	Min	0.061	0.054	0.066	0.005	0.005	0.02		0.02				0.055
	Mean	0.061	0.054	0.066	0.017	0.005	0.02		0.025				0.055
	Max	0.061	0.054	0.066	0.02	0.005	0.02		0.03				0.055
Rookery Bay East	N	23	23	23	27	24	20	23	23	24	20	20	25
	Min	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.01	0.01	0.003	0.002
	Mean	0.034	0.028	0.018	0.023	0.02	0.013	0.026	0.048	0.071	0.073	0.042	0.049
	Max	0.376	0.185	0.068	0.136	0.062	0.06	0.15	0.276	0.448	0.146	0.136	0.339
Rookery Bay West	N	13	13	13	17	14	18	15	17	15	14	14	16
	Min	0.002	0.002	0.007	0.003	0.009	0.002	0.01	0.01	0.01	0.026	0.019	0.02
	Mean	0.073	0.05	0.026	0.019	0.04	0.052	0.06	0.066	0.082	0.084	0.067	0.081
	Max	0.24	0.111	0.093	0.065	0.197	0.201	0.125	0.122	0.17	0.15	0.16	0.25

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	8	9	8	8	8	10	10	10	10	9	8
	Min	0.65	0.907	0.01	0.02	0.01	0.01	0.002	0.032	0.01	0.168	0.34	0.02
	Mean	1.249	1.209	0.803	0.761	0.262	1.503	1.195	0.373	0.455	0.564	0.858	0.812
	Max	1.862	1.456	2.48	2.07	0.827	10.2	7.85	1.03	1.1	1.28	1.43	1.439
Tamiami Canal	N	48	47	48	49	43	48	55	58	55	54	53	54
	Min	0.01	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004
	Mean	0.052	0.041	0.03	0.027	0.033	0.025	0.008	0.007	0.007	0.014	0.039	0.043
	Max	0.19	0.17	0.1	0.164	0.234	0.19	0.031	0.01	0.016	0.062	0.186	0.303
Ten Thousand Islands	N	26	28	25	50	26	35	28	37	28	31	26	30
	Min	0.002	0.002	0.002	0.006	0.004	0.002	0.002	0.003	0.002	0.002	0.01	0.007
	Mean	0.017	0.017	0.013	0.032	0.02	0.016	0.018	0.02	0.023	0.023	0.03	0.026
	Max	0.06	0.04	0.03	0.2	0.069	0.05	0.042	0.045	0.09	0.06	0.08	0.14

**Summary of Monthly WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	13	13	14	17	14	17	13	16	12	13	13	15
	Min	0.19	0.2	0.21	0	0.23	0	0.11	0	0.09	0.12	0	0
	Mean	0.276	0.293	0.309	0.252	0.302	0.222	0.207	0.147	0.149	0.17	0.185	0.21
	Max	0.36	0.35	0.37	0.36	0.38	0.37	0.34	0.32	0.24	0.23	0.29	0.32
Camp Keais	N	31	32	27	29	20	22	27	32	32	33	33	33
	Min	0	0	0.17	0	0	0	0	0	0	0	0	0
	Mean	0.245	0.251	0.26	0.22	0.211	0.18	0.186	0.147	0.138	0.166	0.196	0.211
	Max	0.36	0.39	0.3	0.33	0.31	0.31	0.31	0.295	0.345	0.29	0.3	0.33
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.49	0.49	0.48	0.35	0.41	0.48	0.42	0.43	0.43	0.48	0.48	0.49
	Mean	0.512	0.528	0.552	0.48	0.493	0.52	0.52	0.486	0.54	0.526	0.508	0.504
	Max	0.54	0.56	0.7	0.55	0.54	0.59	0.56	0.53	0.64	0.56	0.53	0.53
Cocohatchee Inland	N	113	113	112	133	109	125	115	137	110	104	108	140
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Mean	0.491	0.511	0.622	0.741	1.101	0.849	0.541	0.451	0.318	0.36	0.469	0.414
	Max	1.8	1.71	8.76	15.96	12.85	20.5	6.27	14.97	0.895	1.49	4.13	3.6
Cocohatchee River	N	26	29	27	32	29	31	28	33	26	25	25	31
	Min	0.31	0.31	0.01	0	2.6	0.19	0.1	0	0	0	0	0
	Mean	15.68	17.61	19.19	21.93	25.58	17.03	10.55	6.267	2.297	4.542	8.332	13.29
	Max	29.7	31.1	33.2	32.8	34.4	32.9	29.43	29.02	22.8	28.6	23.27	34.3
Corkscrew Swamp	N	1	1	5	43		34		51	6	1	1	54
	Min	0.27	0.28	0	0		0		0	0.11	0.26	0.27	0
	Mean	0.27	0.28	0.054	0.179		0.146		0.144	0.138	0.26	0.27	0.165
	Max	0.27	0.28	0.27	0.29		0.29		0.27	0.22	0.26	0.27	0.3
Cow Slough	N	6	7	5	3	1	6	9	11	10	11	11	8
	Min	0.14	0.12	0.06	0.09	0.2	0.05	0.06	0.07	0.07	0.04	0.13	0.17
	Mean	0.245	0.237	0.19	0.203	0.2	0.13	0.169	0.185	0.126	0.177	0.25	0.254
	Max	0.3	0.33	0.28	0.29	0.2	0.35	0.25	0.29	0.26	0.35	0.32	0.33

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	42	42	42	44	42	44	42	43	39	39	39	43
	Min	0.135	0.115	0.105	0	0.09	0	0.115	0	0.06	0.16	0	0
	Mean	0.259	0.25	0.243	0.214	0.2	0.195	0.244	0.233	0.228	0.436	0.248	0.25
	Max	0.32	0.32	0.33	0.325	0.31	0.32	0.36	0.35	0.335	7.245	0.34	0.325
Faka Union South	N	62	59	60	67	61	67	62	65	57	56	59	67
	Min	0.23	0.15	0.19	0	0.15	0	0.18	0	0.16	0.16	0	0
	Mean	1.242	1.523	1.381	3.805	6.455	3.758	0.735	0.468	0.349	0.542	0.518	0.731
	Max	11.44	20.29	22.76	38.23	42.79	32.92	13.11	6.79	2.87	12.26	3.6	4.99
Fakahatchee Strand	N	38	38	34	61	37	56	39	53	36	37	37	57
	Min	0	0	0.28	0	0	0	0	0	0	0	0	0
	Mean	5.225	8.26	10.78	10.28	22.66	5.963	1.994	0.933	0.366	0.357	1.058	1.637
	Max	27.03	34.76	38	50.25	49.08	37.88	15.24	8	1.9	1.25	11.28	12.68
Golden Gate	N	73	74	72	88	71	88	72	90	69	66	68	92
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Mean	0.255	0.255	0.325	0.227	0.278	0.504	0.262	0.198	0.547	0.21	0.228	0.181
	Max	0.9	0.435	3.37	0.46	0.43	25	0.45	0.43	23	0.4	0.455	0.45
Gordon Marine	N	43	43	40	47	42	43	42	43	43	37	41	44
	Min	1.45	0.34	2	0.76	1.27	0.27	0.1	0.26	0	0	0.1	0.29
	Mean	16.48	18.13	22.06	23.88	25.17	16.4	6.862	2.335	2.647	4.788	12.68	12.06
	Max	32.06	32.69	34.57	34.8	36.03	33.84	31.73	18.02	17.93	17.98	31.05	30.32
Gordon River Extension	N	6	7	7	13	7	15	8	13	6	6	8	14
	Min	0.31	0.3	0.2	0	0.3	0	0.26	0	0.28	0.31	0.3	0
	Mean	2.066	1.864	3.524	1.747	3.929	1.378	0.387	0.201	0.432	0.533	4.518	1.814
	Max	9.135	9.61	12.38	10.71	13.32	9.545	0.57	0.5	0.545	0.65	13.24	13.16
Haldeman Cr Lower	N	17	15	16	18	16	17	15	16	15	14	16	16
	Min	10	20.31	10.3	0	23.01	0	0.4	0	0.27	0.72	1.43	3.43
	Mean	26.6	28.57	28.7	28.51	31.6	18.68	13.47	9.678	11.16	14.72	23.8	21.18
	Max	33.34	33.33	33.73	34.55	36.62	33.74	31.95	28.5	25.77	26.78	32.2	33.02

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	16	16	19	16	19	16	19	15	14	15	19
	Min	0.1	0.1	0.1	0	0.32	0	0	0	0	0.1	0.1	0
	Mean	0.351	0.37	0.402	0.418	0.433	0.585	0.459	0.459	0.329	0.382	0.584	0.398
	Max	0.43	0.44	0.69	1.3	1.1	3.71	1.9	3.88	0.76	0.59	2.515	2.79
Immokalee Basin	N	5	6	6	1	1	8	15	18	19	20	12	4
	Min	0.15	0.14	0.03	0.1	0.19	0.03	0.07	0.1	0.09	0.09	0.1	0.18
	Mean	0.216	0.2	0.137	0.1	0.19	0.12	0.143	0.15	0.164	0.168	0.176	0.215
	Max	0.27	0.27	0.24	0.1	0.19	0.25	0.22	0.21	0.22	0.25	0.24	0.24
Naples Bay	N	11	12	11	24	12	15	12	18	18	10	10	14
	Min	24.6	25.8	28.06	0	30.37	0	0	0	2.185	5.555	18.78	0
	Mean	30.39	30.69	32.28	28.05	34.19	26.81	20.8	15.07	18.24	21.44	28.56	24.48
	Max	34.98	34.36	36.05	35.7	37.67	36.73	34.67	26.85	30.06	32.05	34.58	34.55
Okaloacoochee Slough	N	17	19	17	18	14	16	17	18	18	17	18	18
	Min	0.09	0.09	0.09	0	0.09	0	0.09	0.07	0.08	0.07	0.07	0.08
	Mean	0.21	0.227	0.249	0.222	0.259	0.219	0.223	0.204	0.152	0.162	0.177	0.194
	Max	0.44	0.45	0.42	0.44	0.44	0.41	0.39	0.42	0.31	0.34	0.44	0.43
Rookery Bay Coastal	N	7	9	7	38	12	19	13	25	20	2	8	11
	Min	1.6	0	1.1	0	0.7	0.3	1.2	0.1	0	18.2	1.8	0
	Mean	1.886	1.3	1.586	20.9	2.075	8.579	1.785	11.37	6.41	22.7	5.313	3.018
	Max	2.5	2.1	2.3	43.8	3	35.4	3	32.8	30.9	27.2	27.1	14.8
Rookery Bay East	N	27	27	26	39	26	33	26	33	24	24	27	35
	Min	0	0	0.1	0	0.45	0	0.21	0	0	0	0	0
	Mean	5.23	5.548	8.361	7.596	13.88	7.415	4.018	1.791	0.249	1.391	4.389	3.724
	Max	23.02	24.12	32.04	31.79	39.99	40.73	27.18	21.65	0.79	20.53	19.77	22.63
Rookery Bay West	N	15	15	15	19	14	20	16	22	15	14	15	21
	Min	0.1	0.1	0.1	0	0.33	0	0.1	0	0	0.1	0.1	0
	Mean	0.365	0.363	0.479	1.108	4.995	1.027	0.655	0.243	0.277	0.324	0.339	0.241
	Max	0.87	0.54	1.48	8.6	21.81	7.48	3.78	0.45	0.35	0.4	0.4	0.42

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Salinity (ppt)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	11	11	9	11	10	13	10	10	10	13
	Min	0.14	0.13	0.1	0	0.09	0	0.07	0	0.09	0.07	0.12	0
	Mean	0.153	0.154	0.166	0.159	0.182	0.116	0.126	0.099	0.121	0.124	0.143	0.125
	Max	0.16	0.18	0.29	0.31	0.31	0.24	0.16	0.14	0.14	0.14	0.15	0.17	0.16
Tamiami Canal	N	56	55	52	54	45	57	60	59	56	56	61	65
	Min	0	0	0.14	0	0	0	0	0	0	0	0	0
	Mean	0.198	0.201	0.214	0.167	0.203	0.51	0.143	0.124	0.12	0.143	0.169	0.169
	Max	0.27	0.29	0.28	0.28	0.27	14.7	0.22	0.18	0.18	0.2	0.23	0.245
Ten Thousand Islands	N	28	32	28	66	31	38	29	60	28	31	27	33
	Min	1.905	0.5	6.15	0	3.295	0.205	0	0	0.145	0.15	0.16	0.175
	Mean	14.52	19.76	20.94	24.93	30.27	20.27	3.223	9.874	1.356	3.752	5.164	12.39
	Max	35.43	36.68	36.59	39.34	41.38	38.79	15.27	33	16.75	19.1	19.7	35.7

**Summary of Monthly WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	14	14	14	18	13	17	12	14	12	14	13	15
	Min	0.3	0.5	0.2	0	0.4	0	0.5	0	0.4	0.6	0.8	0
	Mean	1.104	0.957	0.888	0.661	0.657	0.544	0.9	0.764	1.086	1.175	1.208	0.963
	Max	1.9	1.9	2	2.2	1.15	1.3	1.5	1.9	1.75	1.6	1.85	1.8
Camp Keais	N	31	32	26	28	18	17	25	25	25	30	31	32
	Min	0	0	0.2	0	0	0	0	0	0	0	0	0
	Mean	1.32	1.22	1.333	1.011	1.189	1.106	1.054	1.027	1.043	0.975	1.115	1.201
	Max	2.7	2.7	2.8	2.3	2.8	2.4	2.15	2.4	2.5	1.9	2.15	2.6
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.5	0.5	0.5	0.6	0.4	0.52	0.4	0.35	0.6	0.4	0.6	0.6
	Mean	0.6	0.62	0.62	0.65	0.5	0.59	0.6	0.63	0.72	0.62	0.67	0.66
	Max	0.75	0.8	0.7	0.8	0.7	0.7	0.85	0.8	0.8	0.8	0.7	0.7
Cocohatchee Inland	N	110	104	110	121	109	108	112	120	106	104	106	126
	Min	0	0	0.229	0	0	0	0	0	0	0	0	0
	Mean	1.3	1.162	1.287	1.071	1.245	0.936	1.17	0.981	0.985	1.176	1.338	0.988
	Max	2.35	2.3	2.4	2.7	2.667	2.4	6	4	2.5	4.75	5.25	2.5
Cocohatchee River	N	25	21	24	28	26	24	26	25	23	24	22	26
	Min	0.4	0	0.1	0	0	0	0	0	0	0	0.3	0
	Mean	0.718	0.751	0.73	0.731	0.806	0.685	0.994	0.788	0.706	0.848	0.888	0.586
	Max	1.143	1.372	1.15	1.8	1.3	1.7	3.5	3	1.2	3	3	1.25
Corkscrew Swamp	N	1	1	4	35		25		39	6	1	1	50
	Min	0.9	0.8	0.61	0.15		0.1		0.3	0.9	1.25	0.75	0.25
	Mean	0.9	0.8	0.923	0.563		0.732		0.959	1	1.25	0.75	0.756
	Max	0.9	0.8	1.1	1.3		2.75		3.5	1.15	1.25	0.75	1.3
Cow Slough	N	6	7	5	3	1	4	8	11	9	11	11	8
	Min	0.2	0.2	0.2	0.15	0.4	0.3	0.2	0.1	0.1	0.1	0.17	0.1
	Mean	0.3	0.329	0.38	0.317	0.4	0.57	0.456	0.4	0.344	0.349	0.368	0.27
	Max	0.4	0.7	0.6	0.5	0.4	0.78	0.7	0.85	0.6	0.6	1	0.48

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	42	42	42	44	41	42	39	38	37	38	40	41
	Min	0.6	0.5	0.3	0	0.25	0.39	0.4	0.1	0	0.5	0.3	0.6
	Mean	1.448	1.331	1.3	1.088	1.015	1.101	1.327	1.236	1.285	1.175	1.272	1.352
	Max	2.5	2.1	2.05	2.1	2	2.2	2.2	2.12	2.2	2.3	2.2	2.2
Faka Union South	N	30	29	29	34	31	36	33	33	33	29	30	30
	Min	0.4	0.35	0.3	0	0.4	0	0.2	0	0	0.25	0.3	0
	Mean	1.063	0.806	0.824	0.794	0.774	0.781	0.955	1.111	1.339	1.113	1.203	1.043
	Max	2.9	1.2	2.5	2.2	2.1	1.65	2.6	2.8	2.7	2.9	2.4	2.65
Fakahatchee Strand	N	38	37	35	57	37	53	39	50	37	40	38	53
	Min	0	0	0.4	0	0	0	0	0	0	0	0	0
	Mean	0.807	0.744	0.742	0.515	0.671	0.597	0.933	0.904	1.154	1.055	0.986	0.858
	Max	1.1	1.1	1.15	1.25	1.1	1.1	1.5	1.4	1.7	2.3	1.5	1.48
Golden Gate	N	71	74	70	81	67	75	67	72	63	62	65	89
	Min	0	0	0.1	0	0	0	0	0	0	0	0	0
	Mean	1.22	1.169	1.292	0.961	1.151	0.903	1.226	0.924	1.045	1.052	1.276	0.959
	Max	2.75	2.6	2.5	2.85	2.2	2.1	4	4	2.65	4.5	5	2.5
Gordon Marine	N	44	40	42	48	41	37	35	39	40	35	39	43
	Min	0.5	0.6	0.15	0	0.55	0.2	0.6	0.5	0	0.4	0.8	0.5
	Mean	1.164	1.188	1.171	1.116	1.272	1.048	1.169	1.391	1.012	1.194	1.289	1.146
	Max	2.134	1.7	1.9	2	2.2	2.25	1.8	4.5	1.9	4.75	5.27	2.4
Gordon River Extension	N	6	6	7	11	6	10	5	11	6	6	6	12
	Min	0.8	0.6	0.7	0	0.6	0	0.8	0	0.7	0.95	0.95	0
	Mean	1.083	1.175	1.448	0.659	1.175	0.61	1.16	1.15	1.442	1.3	1.383	0.773
	Max	1.6	1.8	2.286	1.5	1.65	1.5	1.6	5.75	1.85	1.6	1.8	2.13
Haldeman Cr Lower	N	17	16	17	19	15	15	14	16	16	15	15	16
	Min	0.6	0.6	0.6	0	1	0	0.8	0	0	0.8	0.85	0.8
	Mean	1.039	0.973	1.07	1.006	1.241	1.063	1.189	1.272	1.15	1.42	1.293	1.115
	Max	1.4	1.4	1.54	1.4	1.45	1.45	1.7	5	1.5	5.5	3.25	1.29

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	16	16	19	16	18	15	18	15	15	15	19
	Min	0.8	0.6	0.6	0	0.7	0	0.6	0	0.7	0.5	0.7	0
	Mean	1.241	1.104	1.092	0.801	1.078	0.783	1.22	1.081	1.133	1.179	1.329	0.876
	Max	1.9	1.448	1.45	1.45	1.4	1.3	4.5	5	1.55	4.25	4	1.6
Immokalee Basin	N	5	5	6	1	1	8	14	18	20	19	12	4
	Min	0.2	0.2	0.1	0.5	0.2	0.1	0.1	0.03	0.1	0.1	0.1	0.2
	Mean	0.32	0.24	0.205	0.5	0.2	0.316	0.321	0.329	0.332	0.276	0.283	0.3
	Max	0.4	0.4	0.3	0.5	0.2	0.6	0.6	0.75	0.65	0.6	0.5	0.45
Naples Bay	N	11	11	11	21	11	13	10	16	18	11	10	14
	Min	0.6	0	0.7	0	0	0	0	0	0	0	0.85	0
	Mean	1.399	1.19	1.152	0.532	1.056	0.704	1.08	0.975	0.666	1.205	1.425	1.042
	Max	1.85	1.7	1.5	1.65	1.55	1.5	1.6	4.5	1.7	4.5	4.25	1.65
Okaloacoochee Slough	N	17	19	17	18	14	16	17	18	17	17	19	18
	Min	0.6	0.5	0.1	0	0.15	0	0.3	0.2	0.4	0.45	0.85	0.55
	Mean	1.035	0.923	0.796	0.608	0.593	0.534	0.768	0.886	0.941	1.047	1.216	1.036
	Max	1.9	1.6	1.3	1.2	1.1	1.1	1.6	1.4	1.6	1.6	1.7	2
Rookery Bay Coastal	N	1	3	1	15	0	4	0	4	1	2	0	2
	Min	0.45	0	0.7	0		0		0	0	0		0
	Mean	0.45	0.267	0.7	0.083		0		0	0	0		0
	Max	0.45	0.8	0.7	0.5		0		0	0	0		0
Rookery Bay East	N	29	29	27	34	25	25	26	23	22	25	24	26
	Min	0	0	0.2	0	0	0	0	0	0	0	0	0
	Mean	0.949	0.869	0.934	0.622	0.785	0.849	1.165	1.01	1	0.986	1.048	0.967
	Max	1.676	1.6	1.6	1.7	1.65	1.7	2.8	2.75	1.7	2	3.75	1.8
Rookery Bay West	N	14	15	14	14	13	16	14	17	15	15	15	18
	Min	0.6	0.6	0.6	0	0.5	0	0.3	0	0.86	0.5	0.8	0
	Mean	0.96	0.966	1.016	0.672	0.958	0.753	1.239	1.118	1.336	1.213	1.265	0.937
	Max	1.65	1.6	1.9	1.4	1.8	1.5	2.75	3.75	2.1	2.5	2.25	1.7

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	11	11	8	10	10	13	11	10	10	13
	Min	0.2	0.2	0.28	0	0.2	0	0.25	0	0.3	0.3	0.15	0
	Mean	0.45	0.41	0.489	0.314	0.481	0.285	0.465	0.388	0.482	0.435	0.515	0.369
	Max	0.6	0.7	0.9	0.8	0.8	0.7	0.9	0.85	0.9	0.7	0.9	0.75
Tamiami Canal	N	56	55	52	52	45	55	60	63	61	61	59	59
	Min	0	0	0.2	0	0	0	0	0	0	0	0	0
	Mean	1.099	0.981	0.995	0.775	0.72	0.969	1.326	1.345	1.441	1.337	1.22	1.141
	Max	1.98	2	2	2.1	1.8	2	2.38	2.25	2.4	2.5	2.3	2.1
Ten Thousand Islands	N	28	32	28	54	31	38	30	49	29	31	28	33
	Min	1	0	0.9	0	0	0	0	0	0	0	1.3	0
	Mean	1.605	1.289	1.514	0.732	1.284	1.014	1.658	1.072	1.871	1.758	1.946	1.494
	Max	2.1	2.55	2.25	2.2	2.4	2.6	2.55	2.9	2.8	2.8	3	2.45

**Summary of Monthly WQ
1989-2014**

WQ Variable=Temperature (C)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	14	14	15	18	14	17	13	16	12	14	14	16
	Min	11.3	16.3	19.2	22.4	25.14	24.6	26.05	27.1	25.9	23.6	20.4	16.8
	Mean	18.98	20.31	22.32	24.48	27.64	28.17	28.25	28.35	27.43	25.94	23.18	20.74
	Max	23.8	23.8	26.3	27.5	29.1	30.1	31.3	31.4	28.4	28.4	24.7	23.8
Camp Keais	N	31	32	27	29	21	22	27	32	32	35	34	34
	Min	8.8	15.4	12.8	20.6	20.9	24.33	24.3	25.3	24.4	20.4	18.2	13.9
	Mean	17.46	18.86	19.91	22.54	25	26.61	26.62	26.84	26.13	24.6	21.76	19.86
	Max	23.15	21.8	24.85	24.7	26.85	29.35	28.7	28.6	28.1	27.7	25	23.1
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	17	18.1	16.5	21.4	23.6	24.71	26.2	27.5	27.1	25.2	22.9	15.2
	Mean	18.82	21.5	20.82	24.13	26.92	27.84	28.41	28.95	28.39	25.94	24.24	22.94
	Max	19.9	25.12	22.9	25.51	29.97	31.2	30.17	30.07	30.23	26.5	25.8	25.3
Cocohatchee Inland	N	112	113	113	134	110	126	115	139	110	110	108	142
	Min	10.75	13.4	15.25	19.1	22.7	23.83	26.2	26	25.8	22	16.6	11.3
	Mean	19.31	21.06	22.22	25.76	27.72	28.89	29.11	29.09	28.36	26.41	23.4	21.21
	Max	24.5	25.65	27.95	32.5	31.2	34.6	32.6	35.5	31.09	29.3	27.05	25.3
Cocohatchee River	N	26	29	27	32	30	31	28	33	26	27	25	31
	Min	15.9	16.3	18.5	22.9	26.4	25.7	27.7	26.9	26.5	23.7	19.9	15.1
	Mean	20.95	22.4	23.15	26.39	28.14	29.82	29.88	29.57	28.24	26.84	24.53	22.61
	Max	25.3	26.9	27.8	30.4	31	33.3	31.7	32.9	31	29.3	29.9	27
Corkscrew Swamp	N	1	1	5	43		34		51	6	1	1	54
	Min	14.2	19.55	16.8	15.8		24.2		23.7	26	25	21.35	8.1
	Mean	14.2	19.55	18.74	21.79		26.52		27.6	27.45	25	21.35	18.92
	Max	14.2	19.55	21.2	26.4		31		31.38	29.8	25	21.35	25.9
Cow Slough	N	6	7	5	3	1	6	9	11	10	11	11	8
	Min	11.6	15.7	15.8	21.7	27.1	24.8	26.1	26.8	26.4	22.5	20.5	15.9
	Mean	16.67	18.32	21.22	22.47	27.1	26.3	28.84	28.39	27.75	25.58	22.67	19.6
	Max	21.7	20.6	26.1	23.6	27.1	28.3	30.3	29.69	29.1	27.7	24.1	22.5

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Temperature (C)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	42	42	42	44	42	44	42	43	39	42	41	44
	Min	12.73	15.65	17.3	23	24.5	25.5	26.2	26.25	25.95	22	20.2	15.8
	Mean	19.54	21.03	22.71	25.47	28.46	29.33	28.2	28.35	27.56	25.91	23.52	21.56
	Max	24.2	25.8	26.95	29.6	30.5	32	32.1	32.6	30.3	28.5	26.4	24.83
Faka Union South	N	62	59	62	68	61	69	62	67	57	61	61	68
	Min	15.4	14.6	17.1	21.4	24.73	24	23.8	24.9	24.2	20.9	16.7	14.8
	Mean	19.26	21.38	23.36	26.19	28.24	29.05	27.71	27.69	26.92	25.56	22.98	21.3
	Max	23.1	26.3	26.9	30.2	31.6	34.1	31.5	32.6	29.15	28	27.2	24.9
Fakahatchee Strand	N	38	38	37	62	37	58	39	55	36	40	38	58
	Min	14.3	13.3	17.2	20.5	24	24	24.9	25.1	25.8	21.4	14.7	12.2
	Mean	18.96	20.21	22.42	24.91	27.44	28.12	28.59	28.04	27.95	25.39	21.72	20.03
	Max	22.8	26.8	25.7	31	30.2	31.8	31.2	31.9	29.8	29.6	25.5	23.2
Golden Gate	N	72	74	72	106	72	110	72	111	69	70	68	115
	Min	13.8	16.6	16.65	21.3	25.35	24.4	26.3	25.5	24.7	21.7	16.8	14.75
	Mean	20.1	21.38	22.91	25.87	28.07	29.23	28.72	28.65	27.42	25.72	23.16	21.61
	Max	24.5	26	28.2	29.4	31.1	32.9	31.8	31.8	30.15	28.5	26.1	28
Gordon Marine	N	44	44	42	48	43	43	42	43	43	40	41	44
	Min	14.9	18.1	20.15	23.1	24.7	25.92	27	26.75	19.5	22.4	18.8	13.6
	Mean	20	21.59	23.69	26.15	27.37	29.33	29.98	29.08	27.76	26.52	23.74	21.82
	Max	24.3	25.35	28.45	30	30.45	32.3	33.05	32.2	30.45	30.55	27.1	26.35
Gordon River Extension	N	10	10	7	20	11	20	12	19	6	14	13	20
	Min	13.4	15.6	20.4	21.6	23.45	25.3	27	25.7	27.1	23.25	19.1	15.1
	Mean	19.96	22.65	22.34	24.49	28.33	28.64	28.44	28.8	27.89	26.08	22.92	20.81
	Max	23.3	29.2	24.1	28.8	35.2	33.9	32.4	37.1	28.6	30.5	25.5	23.9
Haldeman Cr Lower	N	17	16	17	19	17	17	16	17	16	15	16	16
	Min	15.2	18.4	20.05	23.4	24.85	26.1	27.55	28.6	27.1	22.8	22.5	15.4
	Mean	20.1	21.53	23.81	26.26	27.77	29.79	31.18	30.74	29.87	27.86	24.89	21.87
	Max	24.85	26.3	28.35	29.5	31.1	33.7	33.65	33.85	32.2	32	26.9	26.45

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Temperature (C)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	16	16	21	16	21	16	21	15	15	15	21
	Min	12.4	17	19.1	24	25.7	26.6	28.56	28.3	26.1	23.4	20.3	17.1
	Mean	20.45	21.87	23.52	26.4	28.43	29.96	29.99	30.2	28.87	26.55	23.44	22.01
	Max	24.3	24.5	28	28.5	31.1	32.7	31.3	32.2	30.6	29.1	26.2	25.5
Immokalee Basin	N	5	6	6	1	1	8	15	18	19	20	12	4
	Min	8.9	14.8	14.2	20.7	22.6	23.6	23.3	25.1	24.67	20.4	17.8	16
	Mean	13.64	19.35	18.53	20.7	22.6	26.55	27.13	27.06	27.03	25.01	22.88	17.7
	Max	16.9	23.3	27.6	20.7	22.6	28.8	31.5	29.7	30.3	30.5	27.1	19.8
Naples Bay	N	11	12	11	24	12	15	12	18	18	11	10	13
	Min	15.2	17.4	21.15	22.6	24.5	27.65	28.95	26.5	26.6	23.4	20	18
	Mean	19.3	20.98	23.66	25.71	26.96	30.05	30.78	29.7	29.03	26.87	23.58	21.95
	Max	22.5	25.3	28.15	28.75	29.95	33	32.4	31.6	31	29.85	26.8	28.3
Okaloacoochee Slough	N	17	19	17	18	14	16	17	18	18	17	19	18
	Min	10.9	13.8	13.1	19.1	21.2	24.9	25.1	26.6	24.59	22.4	17	13.8
	Mean	17.49	19.1	20.53	23.89	26.1	27.69	27.78	28.22	27.46	25.66	22.07	19.5
	Max	23.2	23.2	24.3	27.5	28.8	30.54	31.45	31	28.9	29	24.6	23.7
Rookery Bay Coastal	N	8	9	8	40	13	19	13	25	20	2	8	11
	Min	18.2	21.9	22.3	21	25.6	27.4	28.1	27.3	26.6	27.17	20.1	16.1
	Mean	19.24	23.22	24.09	25.25	27.57	29.28	29.68	29.75	28.59	27.2	21.84	19.15
	Max	21.5	24.1	25.4	30.24	29.1	30.6	31.2	31.7	31.05	27.22	27.8	25.1
Rookery Bay East	N	28	29	27	41	27	37	26	36	24	26	27	40
	Min	11.47	17.3	18.6	20.1	24.8	24.6	27.5	26.1	25	21.8	20.25	16.15
	Mean	21.03	22.12	23.38	25.67	28.06	29.93	29.62	29.36	27.76	26.25	24.36	22.04
	Max	26	25.9	28	29.7	31.5	34.3	31.8	33	30.3	29.1	27.3	27.2
Rookery Bay West	N	15	15	15	22	14	24	16	23	15	15	15	23
	Min	14.2	18.75	17.5	21.1	25.3	25	27.7	26.8	25.8	22.3	19.7	17.15
	Mean	20.32	21.75	23.23	25.04	27.92	29.37	29.56	29.67	28.37	26.18	23.33	21.82
	Max	24.35	24.2	27.3	27.4	30.6	32.3	34.1	33.4	30	28.5	26.9	26.25

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Temperature (C)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	11	11	9	11	10	13	10	10	10	13
	Min	12.2	17	15.1	20.6	23	25	27.3	27.7	27.9	22.5	19.7	16
	Mean	18.3	20.73	21.33	24	26.03	27.73	28.93	29.35	28.79	26.97	23.63	19.88
	Max	23.1	24.4	28.3	26.79	28	30.9	30.8	32.2	30	30.9	26.8	24.7
Tamiami Canal	N	56	55	52	59	45	62	60	65	56	61	61	66
	Min	14.95	15.6	19.97	21	24.3	24.2	25	26.2	25.75	22.05	17.3	15.87
	Mean	20.01	21.13	22.93	24.7	26.51	27.65	27.86	28.52	28.12	25.88	22.37	21.27
	Max	24.4	24.65	27.5	28.43	29	34	32	31.1	30.4	30.2	25.2	24.6
Ten Thousand Islands	N	28	32	29	66	31	38	30	60	28	33	28	33
	Min	16.45	17.05	18	21.5	25	26.35	24.8	25.45	26.1	22.5	18.05	15.5
	Mean	20.66	22.01	23.68	26.41	27.85	29.43	28.69	29.5	27.94	26.27	23.5	21.62
	Max	25.1	26.35	27.45	30.3	30.75	32.1	31.5	33.5	30.15	28.75	26.55	25.4

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	12	13	14	13	13	11	15	11	11	11	12
	Min	0.6	0.63	0.535	0.208	0.24	0.095	0.631	0.67	0.304	0.57	0.63	0.501
	Mean	1.011	1.169	1.07	1.22	1.372	0.97	1.364	1.162	0.958	1.121	1.055	0.91
	Max	1.57	1.76	2.4	3.038	3.311	2.34	3.05	1.91	1.51	1.72	1.8	1.5
Camp Keais	N	26	26	23	23	15	15	22	26	32	29	29	28
	Min	0.247	0.076	0.24	0.341	0.25	0.04	0.21	0.059	0.34	0.04	0.331	0.21
	Mean	0.991	0.755	0.846	1.022	1.356	0.884	1.067	0.913	0.907	0.941	1.111	0.991
	Max	3.22	2.09	1.84	2.18	7.35	2.76	2.67	3	3.77	2.64	4.141	2.35
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.186	0.562	0.578	0.506	0.558	0.686	0.688	0.407	0.711	0.762	0.371	0.559
	Mean	0.608	0.899	0.726	0.607	0.708	1.19	1.149	0.904	0.928	1.273	0.937	1.006
	Max	1.06	1.55	0.844	0.671	0.791	2.17	1.66	1.32	1.07	2.448	1.361	1.783
Cocohatchee Inland	N	95	95	94	119	97	107	98	123	112	96	80	112
	Min	0.059	0.05	0.298	0.28	0.37	0.08	0.051	0.219	0.139	0.24	0.04	0.04
	Mean	0.783	0.987	0.817	0.985	0.942	1.002	1.032	0.996	0.877	0.93	1.013	0.947
	Max	2.2	4.3	1.7	3.12	2.02	3.53	3.3	3.5	2.6	2.774	4.83	4.4
Cocohatchee River	N	20	23	22	28	25	28	24	27	26	23	14	25
	Min	0.29	0.127	0.059	0.2	0.04	0.102	0.39	0.22	0.165	0.24	0.13	0.04
	Mean	0.775	0.761	0.626	0.799	0.622	0.695	0.846	0.772	0.713	0.818	0.749	0.752
	Max	2.9	3.6	1.3	2.5	1.4	1.5	1.5	1.3	1.14	1.4	1.5	1.9
Corkscrew Swamp	N	1	1	5	35		26		44	2	1	1	41
	Min	0.465	0.525	0.439	0.39		0.125		0.475	0.96	1.21	0.92	0.345
	Mean	0.465	0.525	1.138	1.51		1.658		1.231	1.13	1.21	0.92	1.172
	Max	0.465	0.525	2.1	9.85		5.527		4.77	1.3	1.21	0.92	3.48
Cow Slough	N	6	7	4	2	1	5	8	10	10	11	9	8
	Min	0.58	0.41	0.87	0.7	1.59	0.588	1.2	0.076	0.931	0.795	0.74	0.644
	Mean	0.825	1.005	1.553	1.095	1.59	1	1.613	1.306	1.494	1.268	1.215	0.979
	Max	1.06	1.62	2.86	1.49	1.59	1.61	2.15	1.8	2.2	2.02	1.64	1.247

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	35	34	36	34	37	36	36	31	39	34	37	35
	Min	0.051	0.04	0.19	0.16	0.04	0.04	0.21	0.11	0.21	0.1	0.06	0.24
	Mean	0.635	0.553	0.535	0.604	0.618	0.609	0.655	0.579	0.667	0.58	0.532	0.633
	Max	3.94	1.5	1.1	1.3	1.19	1.17	1.88	1.12	1.58	1.3	1.03	2.2
Faka Union South	N	57	45	47	60	50	58	55	50	53	53	53	58
	Min	0.2	0.17	0.04	0.04	0.04	0.09	0.04	0.04	0.21	0.1	0.04	0.1
	Mean	0.555	0.67	0.57	0.648	1.029	0.798	0.599	0.583	0.539	0.576	0.614	0.602
	Max	1.66	2.29	2.01	1.94	9.1	3.43	2.38	1.91	1.61	2.33	2.75	2.34
Fakahatchee Strand	N	31	28	25	58	34	52	35	46	36	37	27	47
	Min	0.344	0.335	0.24	0.214	0.294	0.117	0.07	0.146	0.37	0.04	0.45	0.1
	Mean	1.252	1.338	1.174	1.618	1.564	1.356	1.139	1.014	0.875	0.843	1.174	1.136
	Max	3.7	2.79	2.86	9.039	5.19	2.95	2.7	2.5	1.897	2.81	2.44	2.79
Golden Gate	N	61	66	62	94	61	93	66	99	66	60	54	76
	Min	0.01	0.04	0.243	0.06	0.083	0.29	0.1	0.16	0.04	0.171	0.21	0.23
	Mean	0.839	0.884	0.88	1.093	1.086	0.783	0.871	0.853	0.817	0.904	0.928	1.036
	Max	2.284	2.15	2.3	22.3	14.65	2.17	2.65	1.844	2.04	2.34	2.36	2.93
Gordon Marine	N	34	38	32	42	35	34	33	40	37	31	32	38
	Min	0.01	0.04	0.18	0.11	0.1	0.38	0.144	0	0.187	0.33	0.04	0.04
	Mean	0.678	0.711	0.595	0.779	0.827	0.795	2.119	0.703	0.675	0.93	0.684	1.034
	Max	1.3	4.3	1.1	1.788	3.11	1.3	43.1	1.37	1.1	2.23	2.36	4.6
Gordon River Extension	N	6	6	7	13	6	13	6	13	6	6	6	15
	Min	0.686	0.79	0.464	0.41	0.542	0.41	0.638	0.498	0.969	0.642	0.652	0.14
	Mean	1.073	1.077	0.855	1	1.003	1.262	0.984	1.98	1.32	1.053	0.972	0.976
	Max	1.66	1.28	1.09	1.4	1.23	2.2	1.17	14.38	2.34	1.43	1.22	1.618
Haldeman Cr Lower	N	14	14	14	16	14	15	12	14	13	12	13	14
	Min	0.347	0.04	0.076	0.39	0.31	0.526	0.305	0.21	0.21	0.11	0.108	0.04
	Mean	0.701	0.658	0.588	0.813	0.761	0.878	0.891	0.741	0.679	0.912	0.739	0.569
	Max	1	2.1	1.5	1.4	1.86	1.65	1.9	1.21	1.06	2.5	2.25	1.04

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	14	15	14	17	13	18	15	17	14	13	11	16
	Min	0.37	0.26	0.6	0.58	0.24	0.672	0.5	0.51	0.564	0.1	0.051	0.494
	Mean	0.825	0.836	0.911	0.929	0.854	1.133	0.994	0.825	0.886	0.8	0.816	0.815
	Max	2	2.2	1.4	3.3	1.7	2.33	1.86	1.35	1.47	1.2	1.28	1.2
Immokalee Basin	N	5	6	6	1	1	5	12	11	19	20	11	4
	Min	0.53	0.5	0.076	0.905	1.57	0.3	0.33	0.076	0.47	0.28	0.31	0.4
	Mean	0.731	0.905	0.78	0.905	1.57	1.154	1.194	0.842	0.927	0.983	1	0.87
	Max	1	1.58	1.5	0.905	1.57	2.37	2.2	2.3	1.5	2.02	1.9	1.24
Naples Bay	N	10	11	8	13	10	12	9	15	16	9	7	10
	Min	0.33	0.04	0.17	0.1	0.24	0.32	0.076	0.42	0.21	0.3	0.04	0.04
	Mean	0.556	0.461	0.508	0.642	0.739	1.008	0.836	0.629	0.779	0.656	0.474	0.659
	Max	0.91	1	0.9	1.9	1.91	4	3.1	0.82	4.35	1.1	0.79	2
Okaloacoochee Slough	N	15	16	15	15	13	14	15	16	18	14	16	15
	Min	0.86	0.38	1.07	1.1	0.04	0.468	1.1	0.88	0.677	0.81	0.848	0.5
	Mean	1.831	1.817	3.238	2.965	2.245	2.542	2.036	3.839	1.517	1.54	1.478	1.545
	Max	3.06	2.78	15.98	14.5	4.48	13.3	4.94	35.35	3.98	3.72	2.72	2.76
Rookery Bay Coastal	N	1	1	1	10	1	4	0	4	1	2	1	3
	Min	0.74	0.81	0.87	0.13	1.18	0.24		0.1	0.77	0.3	0.66	0.42
	Mean	0.74	0.81	0.87	0.849	1.18	0.29		0.43	0.77	0.39	0.66	0.677
	Max	0.74	0.81	0.87	3.33	1.18	0.37		0.9	0.77	0.48	0.66	0.99
Rookery Bay East	N	23	24	22	32	21	24	24	23	21	22	19	33
	Min	0.076	0.3	0.16	0.1	0.37	0.32	0.08	0.076	0.187	0.501	0.1	0.27
	Mean	0.79	0.73	0.729	0.756	0.807	0.806	0.758	0.787	0.74	0.843	0.797	0.819
	Max	2.5	1.4	1.34	1.6	2.608	1.41	1.98	2.5	1.24	2.274	1.5	2.6
Rookery Bay West	N	13	15	13	19	11	19	15	18	14	12	11	18
	Min	0.37	0.25	0.262	0.36	0.391	0.404	0.38	0.458	0.187	0.521	0.375	0.35
	Mean	0.783	0.679	0.857	0.865	0.772	0.749	0.838	0.701	0.657	0.717	0.653	0.683
	Max	2.5	1.4	2.6	3.7	1.99	1.2	1.71	1	1	1.7	1.1	1.1

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	10	11	7	10	9	11	11	10	9	12
	Min	0.93	0.059	0.34	0.587	0.85	0.9	0.654	0.076	1.27	0.04	0.39	1
	Mean	1.615	1.468	1.484	1.43	1.281	2.745	3.182	1.338	1.77	1.372	1.741	1.565
	Max	3.28	2.88	4.18	2.09	1.76	12.6	11.7	3.02	2.8	2.45	2.3	2.28
Tamiami Canal	N	45	43	43	49	40	43	50	51	56	53	51	50
	Min	0.289	0.04	0.234	0.04	0.04	0.221	0.412	0.21	0.076	0.202	0.102	0.25
	Mean	0.591	0.595	0.555	0.674	0.767	0.739	0.735	0.651	0.518	0.613	0.864	0.704
	Max	1.226	1.6	1.9	2.9	2.5	2.854	1.65	1.22	1.2	1.7	3.83	1.72
Ten Thousand Islands	N	26	27	21	53	26	34	28	32	27	29	24	30
	Min	0.208	0.04	0.04	0.046	0.04	0.254	0.1	0.24	0.21	0.1	0.04	0.24
	Mean	0.574	0.567	0.504	0.631	0.838	0.681	0.627	0.607	0.511	0.54	0.693	0.644
	Max	1.04	0.977	1.11	1.71	2.26	1.23	1.3	1.1	1.2	1.98	2.44	1.37

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	11	13	14	13	13	11	13	11	10	9	12
	Min	0.62	0.654	0.554	0.267	0.262	0.12	0.716	0.805	0.326	0.582	0.72	0.537
	Mean	1.058	1.197	1.099	1.246	1.404	1.009	1.42	1.251	0.994	1.158	1.198	0.964
	Max	1.61	1.781	2.45	3.044	3.325	2.385	3.06	1.913	1.52	1.738	1.81	1.51
Camp Keais	N	26	26	23	20	15	14	22	26	31	28	27	26
	Min	0.259	0.086	0.26	0.349	0.262	0.06	0.22	0.061	0.35	0.05	0.354	0.215
	Mean	1.018	0.768	0.858	1.032	1.388	0.761	1.08	0.923	0.918	0.958	1.172	0.949
	Max	3.241	2.096	1.846	2.184	7.568	1.613	2.696	3.004	3.782	2.646	4.143	2.423
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.328	0.862	0.847	0.695	0.759	0.936	1.048	0.677	0.801	0.77	0.905	1.131
	Mean	0.93	1.212	1.003	0.732	0.963	1.382	1.274	1.007	1.033	1.388	1.289	1.416
	Max	1.363	1.679	1.184	0.77	1.312	2.263	1.696	1.372	1.147	2.488	1.903	1.842
Cocohatchee Inland	N	95	94	94	115	97	106	97	114	111	96	79	106
	Min	0.02	0.062	0.304	0.29	0.39	0.1	0.178	0.245	0.183	0.373	0.053	0.073
	Mean	0.892	1.057	0.859	1.016	0.971	1.05	1.076	0.988	0.955	1.037	1.141	1.009
	Max	2.6	4.314	1.7	3.18	2.23	3.554	3.58	2.88	2.63	2.78	5.975	3.04
Cocohatchee River	N	20	24	21	25	24	28	24	26	26	22	13	24
	Min	0.31	0	0.098	0.411	0.1	0.106	0.404	0.23	0.338	0.381	0.325	0.05
	Mean	0.873	0.822	0.709	0.875	0.682	0.759	0.93	0.86	0.832	0.926	0.936	0.907
	Max	3.02	3.76	1.31	2.53	1.44	1.53	1.59	1.28	1.25	1.53	1.6	2.08
Corkscrew Swamp	N	1	1	5	31		24		40	2	1	1	38
	Min	0.646	0.776	0.472	0.4		0.129		0.478	0.965	1.392	0.936	0.562
	Mean	0.646	0.776	1.176	1.573		1.698		1.28	1.135	1.392	0.936	1.247
	Max	0.646	0.776	2.1	9.88		5.716		4.773	1.305	1.392	0.936	3.495
Cow Slough	N	6	7	4	2	1	5	7	9	9	11	9	7
	Min	0.622	0.422	0.93	0.763	1.753	0.59	1.34	0.141	0.96	0.822	0.868	0.661
	Mean	0.92	1.062	1.611	1.162	1.753	1.04	1.691	1.332	1.518	1.354	1.312	1.057
	Max	1.308	1.745	2.937	1.56	1.753	1.664	2.16	1.816	2.286	2.061	1.752	1.304

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	34	34	36	32	36	35	36	30	37	31	31	34
	Min	0.063	0.05	0.2	0.17	0.05	0.05	0.22	0.154	0.24	0.105	0.29	0.26
	Mean	0.67	0.57	0.548	0.664	0.637	0.636	0.672	0.593	0.714	0.623	0.599	0.693
	Max	3.942	1.542	1.25	2.29	1.196	1.186	1.89	1.122	1.587	1.306	1.035	3.08
Faka Union South	N	56	45	45	54	49	51	55	49	52	52	50	54
	Min	0.209	0.182	0.05	0.05	0.05	0.092	0.052	0.05	0.219	0.105	0.061	0.105
	Mean	0.573	0.681	0.588	0.68	1.08	0.89	0.614	0.603	0.56	0.6	0.65	0.632
	Max	1.69	2.292	2.02	2.46	9.11	3.71	2.387	1.92	1.621	2.34	2.766	2.357
Fakahatchee Strand	N	31	28	25	51	34	45	34	43	36	33	27	40
	Min	0.352	0.351	0.262	0.279	0.318	0.206	0.08	0.15	0.377	0.063	0.453	0.115
	Mean	1.272	1.352	1.185	1.697	1.604	1.371	1.103	1.003	0.883	0.915	1.189	1.129
	Max	3.714	2.792	2.867	9.062	5.32	2.96	2.443	2.51	1.901	2.82	2.489	2.828
Golden Gate	N	59	62	60	68	60	67	65	65	64	60	54	67
	Min	0.03	0.06	0.282	0.29	0.085	0.38	0.11	0.42	0.15	0.33	0.261	0.428
	Mean	0.91	0.943	0.914	1.174	1.111	0.851	0.924	0.906	0.876	0.969	0.993	1.169
	Max	2.336	2.152	2.34	22.3	14.65	2.51	2.73	1.867	2.052	2.393	2.379	3.04
Gordon Marine	N	34	35	32	36	34	33	33	37	34	31	28	38
	Min	0.07	0.1	0.19	0.33	0.12	0.405	0.15	0.06	0.267	0.408	0.295	0.13
	Mean	0.75	0.843	0.641	0.881	0.869	0.823	2.174	0.782	0.776	1.028	0.77	1.149
	Max	1.43	4.358	1.13	1.856	3.14	1.32	43.17	1.135	1.22	2.28	1.313	4.72
Gordon River Extension	N	6	6	7	11	6	11	6	12	6	6	6	14
	Min	0.954	0.823	0.472	0.551	0.548	0.756	0.651	0.563	1.02	0.667	0.76	0.83
	Mean	1.274	1.238	0.988	1.194	1.063	1.324	1.083	2.208	1.449	1.255	1.194	1.318
	Max	1.766	1.527	1.216	1.71	1.302	1.974	1.287	14.6	2.495	1.593	1.454	1.87
Haldeman Cr Lower	N	14	13	14	14	13	14	12	11	12	12	12	14
	Min	0.382	0.32	0.15	0.423	0.332	0.547	0.365	0.258	0.24	0.14	0.123	0.062
	Mean	0.742	0.749	0.629	0.869	0.818	0.902	0.929	0.754	0.73	0.967	0.661	0.632
	Max	1.17	2.12	1.535	1.41	1.89	1.66	2	1.285	1.124	2.68	1.036	1.135

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	13	13	13	16	13	15	13	15	13	13	10	15
	Min	0.554	0.662	0.613	0.602	0.252	0.725	0.52	0.54	0.614	0.39	0.068	0.496
	Mean	0.908	0.957	0.916	1.019	0.878	1.269	1.07	0.899	0.942	0.876	0.93	0.915
	Max	2.14	2.57	1.49	4.27	1.713	2.334	1.87	1.47	1.498	1.3	1.424	1.42
Immokalee Basin	N	4	4	4	1	1	5	10	10	16	19	11	3
	Min	0.542	0.512	0.078	0.955	1.619	0.346	0.406	0.112	0.678	0.425	0.703	0.409
	Mean	0.695	1.001	1.082	0.955	1.619	1.227	1.272	0.858	1.102	1.405	1.616	0.915
	Max	1.01	1.583	2.143	0.955	1.619	2.38	2.171	1.293	1.81	3.583	3.02	1.271
Naples Bay	N	9	10	8	10	9	10	9	11	9	8	5	9
	Min	0.405	0.09	0.19	0.1	0.262	0.355	0.113	0.45	0.35	0.342	0.382	0.1
	Mean	0.599	0.555	0.531	0.659	0.811	0.682	0.877	0.698	0.659	0.773	0.649	0.585
	Max	0.941	1.01	0.91	1.91	1.95	1.213	3.2	0.95	0.85	1.27	0.823	0.965
Okaloacoochee Slough	N	15	15	15	14	12	13	15	16	18	13	15	15
	Min	0.874	0.387	1.081	1.204	0.057	0.591	1.11	0.893	0.679	0.822	0.859	0.508
	Mean	1.847	1.815	3.25	3.127	2.081	2.65	2.052	3.847	1.538	1.59	1.525	1.557
	Max	3.069	2.786	15.99	14.61	4.23	13.32	4.971	35.35	3.994	3.73	2.725	2.77
Rookery Bay Coastal	N	1	1	1	5	1	2	0	2	0	0	0	1
	Min	0.801	0.864	0.936	0.42	1.185	0.32		0.28				1.045
	Mean	0.801	0.864	0.936	1.269	1.185	0.355		0.605				1.045
	Max	0.801	0.864	0.936	3.335	1.185	0.39		0.93				1.045
Rookery Bay East	N	23	22	20	25	20	22	22	21	21	22	18	25
	Min	0.08	0.34	0.402	0.1	0.423	0.333	0.09	0.164	0.225	0.608	0.105	0.451
	Mean	0.837	0.761	0.756	0.897	0.834	0.824	0.81	0.838	0.827	0.918	0.844	0.871
	Max	2.5	1.45	1.36	4.22	2.614	1.48	1.99	2.51	1.25	2.42	1.854	1.859
Rookery Bay West	N	13	13	12	17	11	18	15	16	14	12	11	18
	Min	0.39	0.563	0.27	0.469	0.426	0.424	0.43	0.514	0.256	0.585	0.46	0.491
	Mean	0.857	0.769	0.801	0.958	0.811	0.818	0.899	0.776	0.736	0.804	0.716	0.765
	Max	2.74	1.46	2.61	3.72	2	1.26	1.76	1.06	1.07	1.81	1.2	1.166

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	9	9	9	7	9	9	11	10	10	9	10
	Min	1.58	1.159	0.425	0.617	0.86	0.92	1.047	0.406	1.28	0.53	1.101	1.21
	Mean	2.864	2.752	2.37	2.122	1.637	4.23	4.478	1.675	2.123	1.94	2.639	2.231
	Max	5.1	3.972	6.66	3.87	2.261	22.8	19.55	3.205	3.018	3.73	3.73	3.367
Tamiami Canal	N	43	42	43	48	40	39	50	48	56	53	50	49
	Min	0.33	0.06	0.251	0.05	0.062	0.227	0.443	0.222	0.081	0.231	0.243	0.34
	Mean	0.641	0.642	0.585	0.729	0.806	0.729	0.747	0.666	0.528	0.629	0.917	0.761
	Max	1.396	1.774	1.96	2.91	2.512	1.87	1.665	1.23	1.36	1.76	3.872	1.776
Ten Thousand Islands	N	26	25	20	50	26	32	28	32	27	29	23	28
	Min	0.221	0.05	0.066	0.082	0.063	0.278	0.12	0.252	0.224	0.105	0.062	0.26
	Mean	0.593	0.584	0.525	0.666	0.86	0.711	0.645	0.627	0.535	0.564	0.759	0.694
	Max	1.042	0.997	1.112	1.725	2.27	1.24	1.31	1.12	1.29	2.01	2.472	1.395

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	11	12	14	13	15	12	12	12	11	11	13
	Min	0.01	0.014	0.04	0.02	0.011	0.037	0.026	0.013	0.039	0.027	0.015	0.022
	Mean	0.049	0.06	0.067	0.076	0.074	0.096	0.127	0.062	0.095	0.087	0.058	0.069
	Max	0.146	0.1	0.129	0.28	0.166	0.497	0.47	0.12	0.252	0.414	0.14	0.156
Camp Keais	N	26	27	22	25	18	18	24	25	32	27	29	28
	Min	0.009	0.01	0.01	0.006	0.004	0.015	0.004	0.007	0.008	0.013	0.004	0.01
	Mean	0.041	0.063	0.057	0.096	0.16	0.149	0.212	0.105	0.109	0.156	0.066	0.095
	Max	0.145	0.3	0.224	0.52	0.93	0.513	1.3	0.47	0.776	1.2	0.274	0.67
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.017	0.012	0.008	0.013	0.032	0.014	0.012	0.004	0.014	0.029	0.009	0.013
	Mean	0.024	0.017	0.017	0.022	0.037	0.413	0.029	0.029	0.028	0.037	0.025	0.021
	Max	0.045	0.024	0.023	0.033	0.039	1.2	0.04	0.048	0.037	0.04	0.044	0.029
Cocohatchee Inland	N	99	103	106	121	103	110	108	127	111	97	93	119
	Min	0.008	0.01	0.004	0.004	0.004	0.01	0.004	0.004	0.008	0.008	0.009	0.006
	Mean	0.073	0.104	0.055	0.276	0.154	0.31	0.156	0.28	0.122	0.091	0.088	0.27
	Max	2	4.3	0.42	9.6	7.4	9.9	8	9.7	3.8	1.1	1.7	6.9
Cocohatchee River	N	21	25	25	29	28	27	25	30	26	23	19	24
	Min	0.007	0.009	0.02	0.031	0.02	0.024	0.02	0.01	0.01	0.02	0.023	0.027
	Mean	0.052	0.151	0.079	0.09	0.108	0.121	0.088	0.105	0.139	0.096	0.063	0.089
	Max	0.106	2.08	0.153	0.28	0.34	0.29	0.269	1.1	2.2	0.89	0.164	0.44
Corkscrew Swamp	N	1	1	5	38		32		44	2	1	1	48
	Min	0.026	0.021	0.017	0.01		0.01		0.006	0.02	0.048	0.047	0.005
	Mean	0.026	0.021	0.027	0.102		0.177		0.07	0.02	0.048	0.047	0.022
	Max	0.026	0.021	0.04	0.996		0.974		0.848	0.02	0.048	0.047	0.109
Cow Slough	N	5	5	3	2	1	4	9	10	10	10	8	8
	Min	0.117	0.102	0.209	0.117	0.177	0.297	0.122	0.14	0.18	0.093	0.087	0.112
	Mean	0.214	0.261	0.394	0.207	0.177	0.339	0.28	0.301	0.277	0.216	0.208	0.169
	Max	0.583	0.596	0.567	0.297	0.177	0.441	0.503	0.775	0.433	0.35	0.476	0.25

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	35	36	37	38	38	40	38	35	39	33	34	38
	Min	0.004	0.005	0.007	0.006	0.004	0.005	0.006	0.004	0.004	0.008	0.004	0.004
	Mean	0.016	0.017	0.02	0.022	0.037	0.052	0.025	0.025	0.033	0.027	0.025	0.028
	Max	0.039	0.052	0.045	0.09	0.307	0.429	0.083	0.112	0.161	0.067	0.165	0.46
Faka Union South	N	51	54	57	58	56	55	52	58	56	46	54	56
	Min	0.004	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004
	Mean	0.018	0.021	0.022	0.028	0.053	0.026	0.019	0.022	0.018	0.017	0.016	0.027
	Max	0.064	0.09	0.09	0.18	0.668	0.1	0.147	0.19	0.071	0.042	0.065	0.29
Fakahatchee Strand	N	31	34	34	55	34	48	35	46	36	27	34	50
	Min	0.004	0.009	0.009	0.01	0.004	0.009	0.005	0.004	0.004	0.004	0.004	0.004
	Mean	0.031	0.033	0.044	0.126	0.085	0.077	0.02	0.035	0.014	0.021	0.024	0.041
	Max	0.116	0.14	0.167	1.33	0.34	0.88	0.047	0.36	0.06	0.21	0.26	0.46
Golden Gate	N	63	67	65	97	66	100	66	97	69	55	58	95
	Min	0.004	0.008	0.009	0.004	0.004	0.009	0.006	0.009	0.004	0.004	0.005	0.006
	Mean	0.019	0.022	0.019	0.033	0.047	0.051	0.027	0.045	0.049	0.05	0.034	0.034
	Max	0.081	0.09	0.037	0.21	1.6	0.83	0.11	0.48	0.95	0.5	0.25	0.35
Gordon Marine	N	35	38	38	45	41	36	39	40	43	34	31	38
	Min	0.01	0.02	0.01	0.02	0.004	0.02	0.018	0.02	0.018	0.023	0.02	0.02
	Mean	0.043	0.051	0.043	0.071	0.065	0.076	0.06	0.059	0.074	0.054	0.052	0.051
	Max	0.094	0.112	0.071	0.36	0.139	0.15	0.16	0.21	0.273	0.14	0.145	0.11
Gordon River Extension	N	10	10	7	19	11	17	12	17	6	14	12	18
	Min	0.017	0.02	0.01	0.028	0.03	0.03	0.03	0.024	0.006	0.029	0.03	0.02
	Mean	0.043	0.045	0.037	0.104	0.059	0.098	0.092	0.119	0.095	0.09	0.075	0.092
	Max	0.082	0.089	0.055	0.44	0.12	0.618	0.162	0.385	0.151	0.3	0.17	0.46
Haldeman Cr Lower	N	14	14	16	17	16	15	15	16	16	13	12	14
	Min	0.01	0.03	0.026	0.03	0.004	0.04	0.019	0.019	0.031	0.027	0.023	0.025
	Mean	0.032	0.046	0.038	0.067	0.057	0.109	0.057	0.073	0.068	0.057	0.042	0.046
	Max	0.051	0.11	0.055	0.386	0.09	0.59	0.103	0.17	0.125	0.093	0.085	0.074

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	13	13	14	18	15	19	15	18	15	12	12	16
	Min	0.01	0.01	0.02	0.01	0.023	0.02	0.02	0.013	0.05	0.03	0.022	0.014
	Mean	0.035	0.038	0.038	0.124	0.055	0.103	0.077	0.097	0.083	0.069	0.043	0.048
	Max	0.063	0.07	0.067	1.4	0.12	0.462	0.218	0.44	0.143	0.122	0.08	0.15
Immokalee Basin	N	5	4	5	1	1	6	15	15	19	17	10	4
	Min	0.036	0.09	0.036	0.179	0.712	0.07	0.081	0.216	0.101	0.059	0.058	0.051
	Mean	0.084	0.143	0.145	0.179	0.712	0.298	0.389	0.458	0.302	0.93	0.226	0.127
	Max	0.143	0.3	0.23	0.179	0.712	0.844	0.628	0.926	0.62	11	0.724	0.205
Naples Bay	N	8	10	10	23	11	13	11	17	18	9	6	11
	Min	0.02	0.02	0.028	0.027	0.029	0.005	0.04	0.04	0.01	0.026	0.026	0.01
	Mean	0.031	0.037	0.033	0.173	0.146	0.105	0.057	0.086	0.091	0.077	0.036	0.044
	Max	0.04	0.06	0.04	1.6	1.1	0.64	0.11	0.4	0.305	0.4	0.049	0.13
Okaloacoochee Slough	N	14	17	15	16	13	15	16	15	18	14	16	16
	Min	0.008	0.007	0.01	0.012	0.025	0.011	0.011	0.004	0.02	0.012	0.012	0.011
	Mean	0.051	0.055	0.126	0.116	0.177	0.26	0.17	0.081	0.118	0.049	0.031	0.033
	Max	0.15	0.177	0.737	0.729	0.645	0.714	0.748	0.23	0.544	0.172	0.079	0.068
Rookery Bay Coastal	N	0	3	1	20	1	4	0	11	2	2	1	4
	Min		0.03	0.054	0.03	0.088	0.01		0.03	0.021	0.32	0.047	0.01
	Mean		0.05	0.054	0.314	0.088	0.123		0.091	0.098	0.345	0.047	0.162
	Max		0.06	0.054	1.87	0.088	0.32		0.26	0.174	0.37	0.047	0.54
Rookery Bay East	N	24	24	23	34	26	32	21	30	22	18	21	31
	Min	0.008	0.01	0.01	0.009	0.012	0.008	0.01	0.004	0.006	0.009	0.01	0.005
	Mean	0.031	0.032	0.033	0.153	0.066	0.109	0.04	0.057	0.019	0.034	0.04	0.117
	Max	0.176	0.198	0.223	0.96	0.45	0.682	0.181	0.351	0.068	0.28	0.171	0.55
Rookery Bay West	N	13	14	13	19	13	20	15	19	15	12	12	20
	Min	0.01	0.01	0.016	0.01	0.01	0.012	0.01	0.013	0.017	0.004	0.008	0.01
	Mean	0.021	0.024	0.029	0.061	0.065	0.097	0.032	0.058	0.039	0.029	0.025	0.088
	Max	0.052	0.052	0.08	0.34	0.22	0.5	0.064	0.232	0.094	0.059	0.067	0.9

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	7	8	9	10	8	10	10	12	11	10	8	11
	Min	0.328	0.23	0.132	0.13	0.116	0.205	0.252	0.007	0.316	0.334	0.26	0.16
	Mean	0.401	0.362	0.302	0.453	0.258	0.425	0.541	0.497	0.488	0.488	0.443	0.471
	Max	0.471	0.538	0.44	1.1	0.389	0.92	0.884	1.3	0.662	0.722	0.656	0.89
Tamiami Canal	N	46	47	43	56	44	52	54	63	56	45	51	58
	Min	0.008	0.01	0.01	0.01	0.012	0.008	0.005	0.004	0.003	0.004	0.005	0.005
	Mean	0.034	0.041	0.039	0.058	0.111	0.046	0.022	0.01	0.078	0.013	0.029	0.048
	Max	0.092	0.37	0.316	0.49	2.1	0.31	0.34	0.04	3.8	0.041	0.19	0.47
Ten Thousand Islands	N	23	29	26	63	28	33	26	44	28	27	25	28
	Min	0.006	0.007	0.011	0.008	0.004	0.004	0.006	0.007	0.004	0.004	0.004	0.006
	Mean	0.023	0.027	0.029	0.181	0.088	0.073	0.034	0.061	0.054	0.065	0.019	0.043
	Max	0.073	0.19	0.097	1.03	1.3	0.5	0.5	0.361	1.15	0.41	0.061	0.54

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	12	12	13	16	14	16	11	13	10	13	12	15
	Min	2	2	2	0.8	2	0.8	2	2	2	2	2	0.4
	Mean	2.55	3.25	3.385	4.238	5.671	6.7	7	5.762	3.4	2.8	2.467	2.453
	Max	5	9	6.4	12.8	11.2	19	27	27.2	13	9	4	6
Camp Keais	N	27	30	24	25	19	18	21	28	30	32	30	30
	Min	2	2	2	2	1	2	2	1	1	0.8	0.5	2
	Mean	2.889	4.307	4.167	6.504	12.58	4.444	3.733	2.014	2.5	2.081	2.823	2.943
	Max	11	34	26	54	91	23	16	4	12	4	13	14
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.48	2.68	4.52	2.9	6.867	2.133	3.24	3.96	3.96	2.08	2.8	2.16
	Max	4	5	7.6	5.6	13.6	2.4	7	9	11	2.4	4	2.8
Cocohatchee Inland	N	102	108	103	123	103	114	103	126	112	103	97	127
	Min	2	1	2	2	2	1	2	2	1.3	0.8	2	1
	Mean	3.701	3.271	3.394	5.883	4.419	4.832	4.864	4.47	4.963	3.554	2.872	3.643
	Max	33	18	62	111.5	34	42	46	22	157	77	13	22
Cocohatchee River	N	22	24	23	27	28	29	24	31	26	26	21	28
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	11.87	14.53	6.878	15.5	12.55	17.67	9.783	9.706	4.473	4.008	4.186	8.518
	Max	82	110	60	102	59	116	64	78	36	14	27	52
Corkscrew Swamp	N	1	1	5	40		33		48	2	1	1	51
	Min	2	9	2	2		2		2	2	4	13.5	2
	Mean	2	9	6	7.26		9.491		3.038	2	4	13.5	4.01
	Max	2	9	13	69		110		23	2	4	13.5	42
Cow Slough	N	6	7	5	2	1	6	9	11	10	11	10	8
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	4	14.03	20.6	2.5	2	2.867	2.111	2.091	4.2	5.273	9.04	5.225
	Max	10	54	74	3	2	5.2	3	3	15	22	54.4	14

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	39	39	38	39	39	41	35	39	35	38	36	39
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	2.605	2.795	2.387	3.056	4.723	2.924	2.663	2.421	2.849	2.242	2.867	2.641
	Max	7	14	5	13.2	28	10.8	11.6	6.4	12	6	16	16
Faka Union South	N	57	55	55	58	54	58	52	58	55	56	56	57
	Min	2	2	2	1	2	2	2	2	2	2	2	0.1
	Mean	2.86	4.531	4.615	3.424	7.42	3.39	2.369	2.553	2.216	2.982	2.734	2.923
	Max	19	56.4	45	17	62	28	6	8	7.5	13	10	14
Fakahatchee Strand	N	35	34	34	52	31	47	36	47	35	36	35	51
	Min	2	2	2	1.6	2	1.3	1	2	2	1.6	1.2	1.8
	Mean	5.611	7.247	7.324	12.87	20.26	5.638	2.083	2.255	2	2.044	2.306	3.324
	Max	29	46	39	80	97	42	5.2	6	2	4	8	14
Golden Gate	N	66	69	64	86	67	82	61	84	69	64	63	100
	Min	1.6	2	2	2	2	0.6	0.8	2	0.8	2	2	1
	Mean	3.715	2.899	3.098	3.735	4.272	5.085	3.364	3.375	5.049	2.753	2.919	3.293
	Max	46	11	17	15	26	40	18	22	97	22	23.6	60
Gordon Marine	N	35	40	35	45	36	41	39	40	40	38	36	38
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	11.07	11.71	13.78	8.913	16.24	10.01	6.128	3.175	6.663	3.458	5.133	5.016
	Max	56	130	126	46	94	56	66	22	95.5	11.2	54	42.4
Gordon River Extension	N	9	9	7	11	8	15	11	14	6	12	11	14
	Min	2	2	2	2	2	0.8	2	1.4	2	2	2	1
	Mean	3.078	3.911	3.743	6.445	3.438	9.4	3.191	4.271	3.1	4.083	4.727	6.586
	Max	5.2	10	8	30	6	80	5.2	15	4	10	12	57
Haldeman Cr Lower	N	14	14	15	17	15	16	15	15	15	14	13	14
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	11.92	8.6	9.6	8.835	15.61	10.57	3.907	3.627	11.2	4.7	6.462	21.21
	Max	48	42	52	66	75	64	8	9	105	13.2	23	237

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	14	15	14	19	15	18	14	18	15	14	14	19
	Min	2	2	2	2	2	1	2	0.7	2	2	2	2
	Mean	3.75	2.993	2.643	2.916	3.693	5.689	3.786	3.417	3.253	2.143	3.043	4.279
	Max	11	9	6	7.2	15	32	7	14	7	4	6	31
Immokalee Basin	N	5	6	6	1	1	8	15	18	20	20	12	4
	Min	2	2	2	2	18	2	2	2	2	2	2	2
	Mean	5.2	11.33	7.833	2	18	7.5	3.067	22.57	4.8	3.8	3.333	4.25
	Max	15	39	18	2	18	37	6	323	42	12	13	11
Naples Bay	N	9	10	9	22	10	13	11	14	17	10	8	9
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	27.72	27.7	39.89	30.94	19.54	22.2	17.18	9.671	59.3	4.54	10	4.689
	Max	82	170	122	118	94	70	96	52	200	10	19	11
Okaloacoochee Slough	N	16	19	16	17	14	15	15	17	16	16	18	17
	Min	2	2	2	2	2	2	2	2	2	2	2	2
	Mean	5.113	3.589	10.13	16.02	9.257	22.1	5.013	2.988	3.438	2.438	2.167	2.294
	Max	28	11.2	61	102	23	174	21	12.8	15	5	4	5
Rookery Bay Coastal	N	0	2	0	16	1	2	0	11	6	0	1	2
	Min		26		2	7	9.8		2	2		7	9
	Mean		33		12.09	7	10.9		16.45	25.83		7	10.5
	Max		40		62	7	12		100	135		7	12
Rookery Bay East	N	22	25	23	31	25	25	21	29	25	24	25	27
	Min	2	2	2	1	2	2	2	1.3	0.8	0.8	1.8	1.2
	Mean	7.468	6.288	10.39	7.871	9.584	5.831	4.533	5.61	2.312	2.25	4.652	6.219
	Max	52	70	86	56	50	26	23	49	7	7	34	56
Rookery Bay West	N	13	14	13	17	13	18	14	19	15	14	14	17
	Min	2	2	2	2	2	0.5	2	2	2	2	2	1.6
	Mean	4.685	2.643	4.154	3.788	5.462	3.906	4.214	4.432	2.787	3.071	2.914	2.265
	Max	13	10	14	15	26	14	18	20	6	14	6.8	4.8

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	11	11	9	11	10	13	10	10	10	12
	Min	2	2	2	2	2	2	2	2	2	2	2	1.2
	Mean	6.95	10.54	11	10.6	13.97	10.33	7.56	6.908	4.96	8.76	5.7	7.45
	Max	23.6	30	36.4	29	38.5	22	23	26	13	23.6	12	16
Tamiami Canal	N	53	50	48	54	44	48	55	58	50	58	56	56
	Min	1	1.6	2	2	2	2	1.2	2	2	0.2	0.4	0.1
	Mean	2.358	3.436	3.192	6.193	8.382	4.604	2.185	2.086	2.222	3.862	2.005	2.113
	Max	7	37	20	42	40	60	8	7	6.5	84.4	2.8	4
Ten Thousand Islands	N	26	29	25	63	27	36	27	45	28	31	27	31
	Min	2	2	2	1	2	2	1	1	2	2	2	2
	Mean	5.962	8.062	6.512	19.53	13.88	19.51	2.296	8.373	2.575	3.884	3.13	5.765
	Max	42	39	37	142	113	115	10	86	10.2	18	19	71

**Summary of Monthly WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	13	14	15	18	14	17	13	16	13	14	14	16
	Min	0.5	0.5	0.4	0.3	1.9	0.64	0.8	0.42	0.4	0.5	0.6	0.2
	Mean	3.115	4.507	4.307	3.495	5.514	3.97	2.754	3.537	1.823	1.149	1.429	2.961
	Max	13.5	10.4	13	9.2	19	10	6	14	7.2	3.7	3	13.2
Camp Keais	N	29	32	27	29	21	22	27	32	34	35	34	34
	Min	0.3	0.3	0.2	0.2	0.6	0.28	0.1	0.27	0.3	0.1	0.4	0.22
	Mean	0.958	2.155	1.196	2.545	4.724	1.349	1.247	0.717	0.848	0.799	1.018	1.187
	Max	5.3	23	6	13.9	36	9.6	7.4	1.8	4.8	5.1	6.5	9.5
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	0.7	0.6	1	0.8	0.6	2.7	1.7	0.8	1.3	0.4	1.3	1.2
	Mean	4.56	3.8	3.52	2.325	4.167	4.2	10.5	8.86	3.64	5.36	3.72	5.06
	Max	9	6.5	6.4	5.3	11	5.9	27	26	9.3	12.4	10	8
Cocohatchee Inland	N	111	113	112	134	109	124	115	139	117	109	108	140
	Min	0.4	0.4	0.3	0.1	0.4	0.5	0.5	0.47	0.5	0.5	0.4	0.4
	Mean	2.455	2.853	3.257	4.439	2.477	2.84	2.831	3.392	3.331	2.032	2.388	2.842
	Max	10.2	22.4	73.2	186	10.6	12	27.8	24	50	5.4	14.9	15.8
Cocohatchee River	N	26	27	27	32	30	31	28	33	28	27	25	31
	Min	0.7	0.2	0.7	0.1	1.1	1.6	0.9	0.7	0.8	1.2	1.2	0.8
	Mean	3.056	2.183	2.751	3.9	3.347	3.271	2.839	3.382	3.241	2.338	2.56	3.284
	Max	10.2	4.2	6.43	34.6	11.1	6.5	6	12	16	5.8	4.9	13.13
Corkscrew Swamp	N	1	1	5	43		34		51	6	1	1	54
	Min	8.45	5.9	0.7	0.4		0.4		0.3	0.1	3.6	6.2	0.3
	Mean	8.45	5.9	3.68	2.89		4.621		1.998	1.217	3.6	6.2	1.519
	Max	8.45	5.9	9.45	23.2		35		7.5	5.4	3.6	6.2	7.7
Cow Slough	N	2	3	2	1	1	2	4	4	4	5	5	4
	Min	1.8	1.8	4.7	1.6	1.5	1.4	0.8	0.7	1.1	1.1	0.4	4
	Mean	5.9	3.567	4.9	1.6	1.5	1.8	1.1	1.125	1.75	1.42	7.46	5.475
	Max	10	6.2	5.1	1.6	1.5	2.2	1.6	1.8	2.4	2	25	8.5

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	39	42	42	44	42	44	42	43	42	42	41	44
	Min	0.1	0.1	0.3	0.4	0.3	0.4	0.3	0.5	0.4	0.1	0.3	0.7
	Mean	1.699	1.954	1.843	1.66	2.055	2.005	2.364	2.179	2.05	2.54	2.28	2.127
	Max	6.1	7.4	7.1	5.1	8.6	6.5	6.5	6.8	4.4	13	7	6.2
Faka Union South	N	60	56	62	67	61	68	61	66	61	59	61	68
	Min	0.2	0.3	0.1	0.1	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.1
	Mean	1.162	1.343	1.215	1.199	1.722	1.656	1.124	1.049	0.899	0.909	0.998	0.96
	Max	8.4	6.9	5	4.4	9.9	7.1	7.19	9.2	2.8	3.9	3.1	3.8
Fakahatchee Strand	N	35	36	37	61	37	57	39	53	39	38	38	57
	Min	0.1	0.15	0.4	0.1	0.4	0.4	0.1	0.35	0.28	0.3	0.3	0.1
	Mean	1.624	1.779	2.219	3.056	4.238	4.842	1.051	0.996	0.543	0.72	0.824	1.022
	Max	5.5	4.9	9.2	18	30	150	6.1	5.4	1.7	9.2	3.6	3.7
Golden Gate	N	70	74	71	105	72	106	71	109	71	69	68	114
	Min	0.4	0.1	0.5	0.1	0.1	0.07	0.6	0.6	0.7	0.6	0.6	0.6
	Mean	2.681	2.889	2.542	3.074	2.897	3.83	3.304	3.22	3.228	2.473	2.621	3.183
	Max	9.5	11.2	9.3	16.8	14	53.2	44.5	12.86	9.6	9.59	14.2	16.25
Gordon Marine	N	41	44	41	48	43	43	40	43	46	40	40	44
	Min	0.9	0.1	0.7	0.8	1	0.9	0.9	0.9	0.8	0.1	0.855	0.8
	Mean	2.026	2.099	2.321	1.883	2.345	2.847	2.128	2.121	2.36	1.909	1.883	2.012
	Max	4.6	4.44	14.2	5.4	5.2	8.2	4.3	6.1	9.8	3.8	2.8	5.1
Gordon River Extension	N	10	10	7	19	11	18	12	19	6	14	12	20
	Min	0.8	0.6	0.6	0.4	1	0.46	1.3	0.6	1.1	0.6	0.1	0.7
	Mean	2.25	2.48	1.614	3.996	2.245	6.167	2.725	3.507	3.183	3.071	3.283	3.072
	Max	5.1	8.8	4.3	41	7.3	68	7.1	18	6.7	10.8	12	21
Haldeman Cr Lower	N	16	16	17	18	17	17	15	16	17	15	16	16
	Min	1.3	1	0.8	1	1.1	0.9	1.1	1.3	0.9	1.2	0.9	0.8
	Mean	2.889	2.256	2.318	2.161	2.347	2.282	1.707	1.827	2.056	1.777	2.014	2.094
	Max	6	4.3	4.8	3.4	3.5	3.4	2.8	3.1	4.2	3.7	3.8	3.6

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	16	16	21	16	21	16	20	15	15	15	21
	Min	0.8	0.7	0.6	0.3	0.5	0.7	0.7	0.68	0.9	0.4	0.5	0.7
	Mean	1.25	1.315	1.143	1.533	1.638	2.2	1.475	1.354	1.753	1.178	1.307	1.956
	Max	2	3	1.75	4.4	4.3	7.2	3.8	2.3	4.2	1.9	2.3	11
Immokalee Basin	N	1	1	1	1	1	0	2	3	3	5	1	1
	Min	0.5	0.3	0.3	1.9	3		0.5	0.4	0.7	0.3	1.2	0.7
	Mean	0.5	0.3	0.3	1.9	3		0.75	0.7	0.9	0.64	1.2	0.7
	Max	0.5	0.3	0.3	1.9	3		1	1	1.2	1.1	1.2	0.7
Naples Bay	N	10	12	11	24	12	15	12	18	19	11	10	13
	Min	1	1	1.3	0.2	0.45	1.4	1.5	0.52	1.3	1.3	0.3	1.4
	Mean	2.292	2.685	2.385	2.544	2.496	4.58	2.75	2.707	7.537	2.813	2.476	2.808
	Max	3.8	4.6	4.74	8.7	4.2	25	4.8	4.9	34.3	4.95	3.9	7
Okaloacoochee Slough	N	16	19	17	18	14	16	17	18	19	17	19	18
	Min	0.3	0.3	0.4	0.4	0.5	0.6	0.4	0.3	0.4	0.3	0.3	0.3
	Mean	1.006	1.163	2.429	4.35	7.814	7.399	1.894	1.306	1.479	0.755	0.616	0.8
	Max	2.2	3.5	8.4	22.8	54	31	6.6	3.5	5.2	2.1	1.3	2
Rookery Bay Coastal	N	1	1	1	18	1	3	0	9	6	0	1	2
	Min	4.4	3.3	8.8	0.625	6.8	2.2		3.5	1.7		5.1	5.1
	Mean	4.4	3.3	8.8	12.9	6.8	3.567		5.644	5.873		5.1	7.55
	Max	4.4	3.3	8.8	77.8	6.8	5.5		10.6	9		5.1	10
Rookery Bay East	N	28	28	26	39	26	34	25	36	23	26	27	38
	Min	0.1	0.4	0.3	0.2	0.5	0.5	0.6	0.35	0.6	0.5	0.4	0.1
	Mean	1.775	1.482	2.335	3.408	2.75	3.925	1.844	1.943	1.414	1.683	1.646	2.545
	Max	7.8	7.4	8.7	26	10	48	4.2	9.1	4.8	13.5	9.2	19
Rookery Bay West	N	15	15	15	21	14	23	16	23	15	15	15	23
	Min	0.4	0.6	0.4	0.1	0.8	0.7	0.2	0.5	0.7	0.6	0.4	0.6
	Mean	2.167	1.85	2.518	2.669	3.186	2.691	2.569	2.087	2.061	2.061	1.773	2.206
	Max	10	4.7	16	8.2	6.3	5.6	14.8	7.7	4.6	7.5	7.1	4.7

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	5	5	5	6	4	6	5	6	4	5	5	7
	Min	12.8	18	8.8	0.2	6.8	0.78	1.7	0.6	5.1	12.2	13.5	3.3
	Mean	19.24	22.78	21.22	18.17	18.55	20.38	11.76	10.33	9.8	17.86	19.5	18.13
	Max	23	37	36	62	28	45.5	28.2	20	17.8	24.4	28	33
Tamiami Canal	N	52	55	52	58	45	61	60	70	61	61	61	65
	Min	0.3	0.3	0.1	0.4	0.4	0.1	0.3	0.3	0.2	0.1	0.2	0.3
	Mean	0.73	1.016	1.013	2.141	4.016	2.108	0.621	0.527	0.518	0.422	0.479	0.632
	Max	6	3.1	2.6	13.2	31.7	56	4.7	2.5	2.2	0.77	1.2	2.3
Ten Thousand Islands	N	27	32	28	66	30	38	30	49	30	32	28	33
	Min	0.3	0.4	0.5	0.2	0.1	0.4	0.1	0.4	0.4	0.3	0.4	0.4
	Mean	1.498	1.398	1.345	3.976	1.992	2.803	1.122	3.096	1.152	2.142	0.771	1.479
	Max	8.2	3.5	3.4	13.6	7.8	13	5.3	39	7.1	19	1.4	7.2

**Summary of Monthly WQ
1989-2014**

WQ Variable=pH (SU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Barron River Canal	N	14	14	15	17	14	17	13	16	12	14	14	16
	Min	6.72	6.9	7.01	7.02	6.98	7	6.79	6.94	6.97	7.015	6.78	6.94
	Mean	7.159	7.163	7.219	7.455	7.536	7.329	7.25	7.202	7.075	7.158	7.097	7.156
	Max	7.53	7.46	7.8	8.02	7.99	7.92	7.95	7.92	7.22	7.38	7.3	7.32
Camp Keais	N	31	32	27	29	21	22	26	32	31	34	32	34
	Min	6.74	6.725	6.74	6.88	7.05	6.93	6.46	6.4	6.31	6.6	6.59	6.82
	Mean	7.169	7.263	7.303	7.356	7.384	7.313	7.053	7.044	7.003	7.116	7.124	7.222
	Max	7.535	7.64	7.855	7.895	8.125	8.025	7.395	7.63	7.27	7.55	7.465	7.66
Cocohatchee GC Disch	N	5	5	5	4	3	3	5	5	5	5	5	5
	Min	7.12	7.18	7.09	7.25	7.28	7.22	7.05	7.09	7.07	6.95	7.13	7.07
	Mean	7.292	7.294	7.276	7.345	7.487	7.36	7.194	7.282	7.216	7.154	7.194	7.216
	Max	7.38	7.49	7.49	7.46	7.67	7.59	7.27	7.51	7.37	7.35	7.29	7.35
Cocohatchee Inland	N	112	113	112	128	109	127	115	139	110	110	108	142
	Min	6.79	6.63	6.37	6.4	6.98	6.38	6.93	6.47	6.44	6.44	6.62	6.6
	Mean	7.552	7.539	7.642	7.606	7.659	7.44	7.393	7.345	7.298	7.37	7.476	7.468
	Max	8.175	8.12	8.21	9.29	8.385	8.355	8.13	8.18	7.74	7.985	7.99	8.12
Cocohatchee River	N	26	29	27	30	29	31	28	33	26	27	25	31
	Min	6.94	6.5	6.41	6.52	7.01	6.58	7.11	7.14	7.13	7.15	6.53	6.71
	Mean	7.364	7.387	7.348	7.387	7.476	7.41	7.343	7.4	7.318	7.393	7.357	7.333
	Max	7.78	8.08	7.79	8.09	7.87	8.02	7.79	8.05	7.66	7.96	7.61	7.94
Corkscrew Swamp	N	1	1	5	35		32		49	6	1	1	54
	Min	7.605	7.49	6.6	6.77		6.51		6.44	6.76	7.49	7.61	6.31
	Mean	7.605	7.49	6.926	7.219		7.075		7.053	6.952	7.49	7.61	6.975
	Max	7.605	7.49	7.43	7.68		7.64		7.68	7.42	7.49	7.61	7.73
Cow Slough	N	6	7	5	3	1	6	9	10	9	11	11	8
	Min	7.4	7.03	7.16	6.75	7.23	6.53	6.57	6.515	6.7	6.45	7.03	6.98
	Mean	7.495	7.38	7.304	7.21	7.23	6.938	7.012	7.039	6.924	7.083	7.165	7.166
	Max	7.62	7.61	7.57	7.5	7.23	7.36	7.36	7.42	7.31	7.6	7.51	7.35

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=pH (SU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Faka Union North	N	42	42	42	44	42	44	41	43	39	42	41	44
	Min	7.22	7.31	7.29	7.173	7.23	7.057	6.79	6.85	6.91	6.82	6.99	7.11
	Mean	7.579	7.705	7.759	7.799	7.927	7.705	7.367	7.197	7.127	7.252	7.384	7.483
	Max	8.11	8.25	8.305	8.58	9.13	9.27	8.215	8.27	7.49	8.26	8.07	8.11
Faka Union South	N	62	59	62	68	61	69	62	67	57	60	61	68
	Min	6.79	6.94	7.32	6.94	7.17	6.34	6.77	6.62	6.87	6.74	6.82	6.79
	Mean	7.621	7.67	7.782	7.687	7.786	7.469	7.315	7.262	7.21	7.302	7.363	7.5
	Max	8.3	8.41	8.53	8.5	9.17	8.23	7.85	7.76	7.39	7.84	7.84	8.09
Fakahatchee Strand	N	38	38	37	59	37	58	39	54	36	40	38	58
	Min	6.84	7.21	7.14	6.3	7.09	6.25	6.88	6.6	6.97	6.91	6.895	6.87
	Mean	7.629	7.702	7.662	7.588	7.585	7.266	7.243	7.202	7.273	7.37	7.429	7.418
	Max	8.55	8.15	7.98	8.91	8.39	8.49	7.51	7.54	7.445	8.41	7.8	8.1
Golden Gate	N	72	74	72	106	72	109	70	111	69	70	68	115
	Min	6.895	6.84	7.075	6.41	7.01	6.18	6.935	6.49	6.875	6.75	6.73	6.19
	Mean	7.453	7.516	7.664	7.539	7.767	7.475	7.382	7.197	7.156	7.229	7.332	7.387
	Max	7.975	7.94	8.32	8.35	8.915	8.14	7.965	7.91	7.855	7.94	8.1	8.47
Gordon Marine	N	43	44	41	48	43	40	42	43	40	40	41	44
	Min	7.09	6.7	7.03	7.04	6.84	7.02	7.12	7.045	7.1	7.03	7.15	6.5
	Mean	7.486	7.429	7.425	7.441	7.343	7.345	7.364	7.309	7.305	7.351	7.403	7.339
	Max	7.98	7.88	7.75	8.03	7.835	7.72	7.75	7.56	7.75	7.58	7.87	7.66
Gordon River Extension	N	10	10	7	20	11	20	12	19	6	14	13	20
	Min	6.87	6.875	7	7.01	6.75	6.31	6.49	6.57	7.075	6.4	6.36	6.78
	Mean	7.353	7.22	7.227	7.285	7.235	7.133	7	7.146	7.148	6.906	6.995	7.384
	Max	7.84	7.84	7.5	7.98	8.23	7.6	7.39	7.84	7.26	8.29	7.56	8.09
Haldeman Cr Lower	N	17	16	17	19	17	16	15	16	14	15	16	15
	Min	6.433	7.095	6.81	6.81	7.305	6.92	7.06	7.15	7.19	7.13	6.95	7.11
	Mean	7.345	7.42	7.414	7.481	7.523	7.423	7.436	7.363	7.359	7.374	7.453	7.34
	Max	7.7	7.665	7.75	7.73	7.7	7.68	7.695	7.71	7.68	7.565	7.78	7.575

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=pH (SU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Haldeman Cr Upper	N	16	16	16	21	16	21	16	21	15	15	15	21
	Min	6.68	7	7.14	7.25	7.2	6.37	7.28	7.04	6.85	7.18	7.33	7.13
	Mean	7.678	7.662	7.766	7.77	7.717	7.575	7.501	7.477	7.458	7.538	7.634	7.669
	Max	8.11	8.03	7.97	8.23	8.29	8.98	7.85	7.75	7.75	7.71	7.84	8.49
Immokalee Basin	N	5	6	6	1	1	8	15	16	18	20	12	4
	Min	7.19	7.22	7.07	7.23	7.13	6.96	6.78	6.58	6.76	6.78	6.92	6.91
	Mean	7.498	7.448	7.513	7.23	7.13	7.589	7.181	7.144	7.13	7.27	7.357	7.2
	Max	7.71	7.72	7.9	7.23	7.13	8.27	7.65	7.63	7.5	7.86	8.43	7.34
Naples Bay	N	11	12	11	24	12	14	12	18	17	11	10	13
	Min	7.57	7.39	7.575	7.26	6.9	7.285	7.245	7.13	7.03	7.08	7.335	7.32
	Mean	7.754	7.719	7.724	7.881	7.68	7.73	7.611	7.558	7.584	7.598	7.746	7.634
	Max	8.01	7.93	7.85	8.195	7.96	7.94	7.91	7.99	7.97	7.925	7.985	7.94
Okaloacoochee Slough	N	17	19	17	17	13	16	16	18	18	16	19	18
	Min	6.78	6.89	6.85	6.48	6.35	6.37	6.27	6.47	6.57	6.62	6.69	6.785
	Mean	7.096	7.191	7.263	7.231	7.196	7.164	7.074	6.928	6.934	6.984	6.926	7.096
	Max	7.605	7.685	7.97	7.89	7.99	8.06	7.8	7.17	7.25	7.265	7.19	7.41
Rookery Bay Coastal	N	8	9	8	39	13	18	13	25	20	2	8	11
	Min	6.47	6.65	6.58	6.62	6.58	6.05	6.59	6.15	5.73	7.6	6.39	6.7
	Mean	6.891	7.107	6.869	7.602	7.052	7.116	6.857	7.205	7.133	7.655	7.029	7.215
	Max	7.22	7.91	7.2	8.14	8.19	8.04	7.49	7.94	8.53	7.71	7.29	7.8
Rookery Bay East	N	28	29	26	40	27	37	25	37	23	26	27	39
	Min	6.64	6.91	6.96	6.68	7.14	6	6.86	6.55	6.935	7	6.985	6.75
	Mean	7.54	7.579	7.588	7.589	7.623	7.425	7.454	7.288	7.201	7.375	7.501	7.454
	Max	8.11	8.14	8.17	8.41	8.08	8.41	8.09	8.77	7.66	7.92	8.03	8.2
Rookery Bay West	N	15	15	15	22	14	24	16	23	15	15	15	22
	Min	7.3	7.22	7.35	6.62	7.37	6.15	7.155	6.76	6.65	7.25	7.245	6.8
	Mean	7.596	7.55	7.627	7.46	7.618	7.302	7.36	7.342	7.299	7.391	7.51	7.51
	Max	7.83	7.82	8.02	7.82	7.96	7.72	7.83	7.83	7.49	7.6	7.93	8.02

(Continued)

**Summary of Monthly WQ
1989-2014**

WQ Variable=pH (SU)

		1	2	3	4	5	6	7	8	9	10	11	12
Basin													
Silver Strand	N	8	10	11	10	9	11	10	12	9	10	10	13
	Min	7	6.81	7.05	6.36	6.73	6.54	6.51	6.82	6.73	6.69	6.86	6.87
	Mean	7.26	7.323	7.394	7.166	7.427	7.057	6.918	6.975	6.853	6.908	6.986	7.176
	Max	7.44	8.17	8.01	7.72	8.25	7.84	7.2	7.28	7.1	7.1	7.11	7.66
Tamiami Canal	N	56	55	52	55	45	62	60	65	56	61	61	66
	Min	6.91	6.38	6.81	6.41	7.11	6.15	6.985	6.57	7.15	6.67	7	6.69
	Mean	7.358	7.359	7.435	7.406	7.469	7.266	7.316	7.33	7.337	7.341	7.334	7.296
	Max	7.815	8.6	7.88	7.96	8.22	7.77	7.66	7.62	7.79	7.9	7.9	7.89
Ten Thousand Islands	N	28	32	29	62	31	38	30	54	28	33	28	33
	Min	7.2	7.095	7.02	6.95	7	7.11	7.14	6.94	7.135	7.09	6.82	7.005
	Mean	7.4	7.446	7.379	7.583	7.457	7.479	7.389	7.461	7.357	7.413	7.349	7.411
	Max	7.725	8.03	7.61	8.05	8.01	8	7.83	8.03	7.71	7.85	7.495	7.9

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Arsenic (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	38	13
	Min	0.58	1
	Mean	1.296	1.839
	Max	5	3.8
Camp Keais	N	80	25
	Min	0.44	0.61
	Mean	1.52	2.385
	Max	7.35	5.905
Cocohatchee GC Disch	N	14	5
	Min	0.67	1
	Mean	1.476	1.509
	Max	5	2.8
Cocohatchee Inland	N	365	147
	Min	0.23	1
	Mean	3.424	4.282
	Max	28.31	16.7
Cocohatchee River	N	93	39
	Min	1	1
	Mean	5.603	5.032
	Max	36.68	15.6
Corkscrew Swamp	N	49	8
	Min	0.31	5
	Mean	1.288	5
	Max	5	5
Cow Slough	N	33	22
	Min	0.41	0.23
	Mean	1.523	1.756
	Max	2.5	4.58

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Arsenic (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	115	41
	Min	0.38	0.48
	Mean	1.594	1.947
	Max	5	4.2
Faka Union South	N	176	59
	Min	0.23	0.61
	Mean	2.159	2.081
	Max	18.26	5.77
Fakahatchee Strand	N	116	35
	Min	0.32	0.41
	Mean	3.479	2.578
	Max	41.86	8.21
Golden Gate	N	235	97
	Min	0.23	0.23
	Mean	2.107	2.43
	Max	5.04	6
Gordon Marine	N	143	59
	Min	0.74	1
	Mean	5.381	4.231
	Max	37.81	18.5
Gordon River Extension	N	55	22
	Min	1	2.245
	Mean	3.785	5.858
	Max	9	9.9
Haldeman Cr Lower	N	50	19
	Min	1	1
	Mean	5.865	5.078
	Max	29.4	11.4

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Arsenic (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	54	22
	Min	1	1.63
	Mean	3.142	3.657
	Max	7	7
Immokalee Basin	N	47	45
	Min	0.31	0.48
	Mean	1.34	2.108
	Max	3.63	5.07
Naples Bay	N	39	17
	Min	0.23	1
	Mean	6.704	4.438
	Max	30.5	12.62
Okaloacoochee Slough	N	49	17
	Min	0.6	0.68
	Mean	1.921	3.149
	Max	5.14	5.59
Rookery Bay Coastal	N	1	0
	Min	2.5	
	Mean	2.5	
	Max	2.5	
Rookery Bay East	N	78	30
	Min	0.57	0.83
	Mean	3.458	3.461
	Max	39.32	16.8
Rookery Bay West	N	51	22
	Min	0.64	1
	Mean	2.559	2.861
	Max	15.8	5.7

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Arsenic (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	52	26
	Min	0.23	0.82
	Mean	1.354	1.813
	Max	5	3.8
Tamiami Canal	N	151	59
	Min	0.23	0.23
	Mean	1.029	1.401
	Max	5	3.8
Ten Thousand Islands	N	83	27
	Min	0.6	0.97
	Mean	3.591	2.308
	Max	22.47	5.4

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	66	37
	Min	2	0.78
	Mean	2.376	2.913
	Max	5.7	11.7
Camp Keais	N	136	66
	Min	2	0.78
	Mean	2.412	2.354
	Max	13.9	7.78
Cocohatchee GC Disch	N	37	17
	Min	2	2
	Mean	2.092	2.282
	Max	2.8	6
Cocohatchee Inland	N	640	361
	Min	0.78	0.78
	Mean	2.472	2.741
	Max	20.2	15.9
Cocohatchee River	N	127	77
	Min	0.78	1
	Mean	2.564	2.474
	Max	43.3	5.3
Corkscrew Swamp	N	64	62
	Min	2	0.78
	Mean	2.55	2.462
	Max	12	6.3
Cow Slough	N	37	27
	Min	0.78	1.6
	Mean	2.748	2.427
	Max	10.7	4.5

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	199	112
	Min	0.78	0.78
	Mean	2.121	2.143
	Max	5.7	8.5
Faka Union South	N	276	162
	Min	0.78	0.78
	Mean	2.335	2.149
	Max	12	7.9
Fakahatchee Strand	N	168	107
	Min	0.78	0.78
	Mean	3.021	2.389
	Max	9.8	7.1
Golden Gate	N	410	235
	Min	0.78	0.78
	Mean	2.401	2.287
	Max	34.8	9.9
Gordon Marine	N	204	114
	Min	0.78	1
	Mean	2.232	2.172
	Max	8.1	4.9
Gordon River Extension	N	72	30
	Min	2	1
	Mean	2.517	2.227
	Max	8.7	3.7
Haldeman Cr Lower	N	81	42
	Min	0.78	1.5
	Mean	2.418	2.208
	Max	7.8	3.7

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Biological Oxygen Demand (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	84	48
	Min	0.78	0.78
	Mean	2.554	2.697
	Max	14.6	9
Immokalee Basin	N	37	36
	Min	0.78	1.6
	Mean	3.332	2.726
	Max	23.8	11.7
Naples Bay	N	45	30
	Min	0.78	1.3
	Mean	2.219	2.017
	Max	6.2	3.8
Okaloacoochee Slough	N	93	50
	Min	2	0.78
	Mean	3.218	2.992
	Max	25	14
Rookery Bay Coastal	N	4	4
	Min	1.5	0.6
	Mean	1.6	1.05
	Max	1.8	1.7
Rookery Bay East	N	110	63
	Min	1.5	0.78
	Mean	2.376	2.292
	Max	7.1	7.2
Rookery Bay West	N	80	46
	Min	0.78	0.78
	Mean	2.318	2.172
	Max	12.6	5.2

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Biological Oxygen Demand (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	58	34
	Min	0.78	0.78
	Mean	2.756	3.011
	Max	8.1	10.9
Tamiami Canal	N	229	142
	Min	0.78	1.5
	Mean	2.235	2.126
	Max	9.5	7.4
Ten Thousand Islands	N	149	85
	Min	0.7	0.78
	Mean	2.256	1.963
	Max	8.4	3.9

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		Dry	Wet
Basin			
Barron River Canal	N	108	54
	Min	0.41	1.1
	Mean	9.998	14.23
	Max	162.9	99.6
Camp Keais	N	229	103
	Min	0.3	1
	Mean	8.51	7.559
	Max	211.5	76.5
Cocohatchee GC Disch	N	37	18
	Min	1	1.1
	Mean	4.576	11.81
	Max	24.6	46.7
Cocohatchee Inland	N	895	475
	Min	0.18	0.55
	Mean	8.627	13.86
	Max	252.3	299
Cocohatchee River	N	213	116
	Min	0.05	2.1
	Mean	7.086	7.973
	Max	86.5	37.6
Corkscrew Swamp	N	98	84
	Min	1	1.2
	Mean	4.8	5.832
	Max	65.9	46.6
Cow Slough	N	22	14
	Min	1	1
	Mean	13.23	5.429
	Max	78.8	10.4

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		Dry	Wet
Basin			
Faka Union North	N	324	161
	Min	1	1.5
	Mean	4.505	5.56
	Max	60.9	34.7
Faka Union South	N	475	231
	Min	0.21	0.34
	Mean	8.379	4.959
	Max	378.7	46
Fakahatchee Strand	N	330	166
	Min	0.6	1
	Mean	16.57	7.828
	Max	316	120
Golden Gate	N	601	328
	Min	0.1	0.39
	Mean	5.381	7.084
	Max	71	62.5
Gordon Marine	N	328	160
	Min	1	1.1
	Mean	6.284	8.112
	Max	41.7	58.7
Gordon River Extension	N	90	49
	Min	0.05	0.72
	Mean	9.117	9.042
	Max	71	25.9
Haldeman Cr Lower	N	122	59
	Min	2	3
	Mean	7.199	10.76
	Max	34.1	53.9

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Chlorophyll a (ug/l)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	132	69
	Min	1.3	2.1
	Mean	6.858	14.25
	Max	29.3	162.8
Immokalee Basin	N	11	8
	Min	1.2	1
	Mean	3.727	2.713
	Max	7.4	4.3
Naples Bay	N	95	57
	Min	0.16	2.1
	Mean	5.337	7.458
	Max	17	31
Okaloacoochee Slough	N	132	67
	Min	1	1
	Mean	12.54	13.95
	Max	137	110
Rookery Bay Coastal	N	9	6
	Min	1.6	0.67
	Mean	3.089	4.912
	Max	5.4	11
Rookery Bay East	N	225	102
	Min	0.84	0.98
	Mean	6.693	7.376
	Max	96.7	98.3
Rookery Bay West	N	123	69
	Min	0.75	0.25
	Mean	5.058	5.657
	Max	24.6	19

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Chlorophyll a (ug/l)

		Dry	Wet
Basin			
Silver Strand	N	41	21
	Min	2.1	3
	Mean	12.22	20.88
	Max	60	184.1
Tamiami Canal	N	434	228
	Min	0.22	1
	Mean	6.679	4.895
	Max	106.8	170.9
Ten Thousand Islands	N	258	127
	Min	0.05	1
	Mean	5.611	4.733
	Max	52.8	55.1

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Color (CU)

		Dry	Wet
Basin			
Barron River Canal	N	68	35
	Min	30	15
	Mean	91.29	132.1
	Max	250	400
Camp Keais	N	139	64
	Min	10	20
	Mean	79.15	113.4
	Max	300	400
Cocohatchee GC Disch	N	0	0
	Min		
	Mean		
	Max		
Cocohatchee Inland	N	521	271
	Min	20	30
	Mean	72.3	75.87
	Max	440	300
Cocohatchee River	N	166	84
	Min	5	30
	Mean	63.51	75.89
	Max	200	200
Corkscrew Swamp	N	50	52
	Min	5	10
	Mean	97.68	121.5
	Max	300	350
Cow Slough	N	25	21
	Min	60	120
	Mean	139.2	192.9
	Max	300	300

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Color (CU)

		Dry	Wet
Basin			
Faka Union North	N	210	101
	Min	5	10
	Mean	64.34	80
	Max	200	240
Faka Union South	N	325	158
	Min	5	5
	Mean	45.44	60.41
	Max	220	250
Fakahatchee Strand	N	221	117
	Min	10	40
	Mean	87.46	118.8
	Max	200	400
Golden Gate	N	348	169
	Min	20	30
	Mean	112.2	110.2
	Max	800	440
Gordon Marine	N	262	123
	Min	5	30
	Mean	59.69	77.32
	Max	200	180
Gordon River Extension	N	8	7
	Min	30	30
	Mean	47.5	55.71
	Max	60	100
Haldeman Cr Lower	N	87	39
	Min	5	30
	Mean	42.84	56.92
	Max	80	80

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Color (CU)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	88	43
	Min	30	6
	Mean	48.59	51.42
	Max	80	80
Immokalee Basin	N	42	49
	Min	5	5
	Mean	78.81	96.43
	Max	200	200
Naples Bay	N	81	41
	Min	5	6
	Mean	34.63	56.85
	Max	120	120
Okaloacoochee Slough	N	64	35
	Min	80	80
	Mean	155	196.3
	Max	250	450
Rookery Bay Coastal	N	6	0
	Min	26	
	Mean	33.33	
	Max	39	
Rookery Bay East	N	178	83
	Min	20	30
	Mean	53.49	89.6
	Max	170	250
Rookery Bay West	N	87	47
	Min	20	20
	Mean	47.76	56.7
	Max	200	140

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Color (CU)

		Dry	Wet
Basin			
Silver Strand	N	36	24
	Min	5	5
	Mean	146.4	179
	Max	300	250
Tamiami Canal	N	295	162
	Min	5	5
	Mean	36.86	56.73
	Max	160	180
Ten Thousand Islands	N	138	67
	Min	10	5
	Mean	48.98	68.28
	Max	100	200

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Conductivity (uOhm/cm)

		Dry	Wet
Basin			
Barron River Canal	N	117	56
	Min	261	196
	Mean	554.4	434
	Max	792	760
Camp Keais	N	232	108
	Min	197	138
	Mean	493.3	371.4
	Max	795	708.5
Cocohatchee GC Disch	N	37	18
	Min	711	888
	Mean	1042	1061
	Max	1396	1290
Cocohatchee Inland	N	916	483
	Min	106	273
	Mean	1219	1136
	Max	26225	32704
Cocohatchee River	N	219	116
	Min	394	277
	Mean	25927	14536
	Max	53553	49590
Corkscrew Swamp	N	106	87
	Min	239	186
	Mean	420.9	369.6
	Max	621	593
Cow Slough	N	52	35
	Min	93	105
	Mean	466.4	334.4
	Max	714	726

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Conductivity (uOhm/cm)

		Dry	Wet
Basin			
Faka Union North	N	329	163
	Min	200	174
	Mean	506.8	484.4
	Max	728.5	745.5
Faka Union South	N	481	250
	Min	314	336
	Mean	3557	2479
	Max	63484	50369
Fakahatchee Strand	N	318	173
	Min	300	232.4
	Mean	12486	4599
	Max	72958	57178
Golden Gate	N	619	345
	Min	68.8	5.98
	Mean	579.3	656.7
	Max	1040	33466
Gordon Marine	N	340	168
	Min	504	493
	Mean	26997	11634
	Max	54548	51681
Gordon River Extension	N	97	52
	Min	217	238
	Mean	3206	1385
	Max	21065	15547
Haldeman Cr Lower	N	131	60
	Min	1277	554
	Mean	40098	22329
	Max	55340	52275

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Conductivity (uOhm/cm)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	129	71
	Min	550.5	462
	Mean	912.1	1010
	Max	5169	7121
Immokalee Basin	N	55	57
	Min	58	139
	Mean	368.7	314.1
	Max	566	472
Naples Bay	N	99	57
	Min	590	860
	Mean	45686	30623
	Max	62481	55573
Okaloacoochee Slough	N	136	68
	Min	141	146
	Mean	449.9	422
	Max	908	867
Rookery Bay Coastal	N	86	70
	Min	1745	658
	Mean	17096	10733
	Max	68488	55500
Rookery Bay East	N	220	107
	Min	359	122
	Mean	10307	5977
	Max	59817	60964
Rookery Bay West	N	126	76
	Min	477	182
	Mean	1835	1161
	Max	34744	13105

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Conductivity (uOhm/cm)

		Dry	Wet
Basin			
Silver Strand	N	81	43
	Min	155	146
	Mean	340.2	294.4
	Max	650	684.7
Tamiami Canal	N	434	224
	Min	197	187
	Mean	419.8	454.6
	Max	3071	24169
Ten Thousand Islands	N	241	136
	Min	316	283.5
	Mean	26504	13004
	Max	65130	58351

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Copper (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	39	12
	Min	0.15	0.75
	Mean	1.172	2.054
	Max	5.38	4.31
Camp Keais	N	79	21
	Min	0.15	0.15
	Mean	1.176	1.782
	Max	8.61	4.3
Cocohatchee GC Disch	N	14	5
	Min	0.15	0.75
	Mean	1.288	1.126
	Max	3.09	1.71
Cocohatchee Inland	N	297	91
	Min	0.15	0.15
	Mean	3.194	4.256
	Max	28.97	89.7
Cocohatchee River	N	65	20
	Min	0.26	0.75
	Mean	2.544	3.216
	Max	9.64	9.1
Corkscrew Swamp	N	40	0
	Min	0.15	
	Mean	0.82	
	Max	2.99	
Cow Slough	N	32	23
	Min	0.15	0.73
	Mean	1.799	2.518
	Max	5.31	8.9

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Copper (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	115	36
	Min	0.15	0.15
	Mean	1.179	1.581
	Max	7	6.8
Faka Union South	N	153	57
	Min	0.15	0.4
	Mean	0.932	1.716
	Max	9.29	7.8
Fakahatchee Strand	N	99	35
	Min	0.15	0.32
	Mean	0.829	1.412
	Max	3	4.3
Golden Gate	N	169	54
	Min	0.15	0.15
	Mean	1.066	1.141
	Max	7.01	4.3
Gordon Marine	N	89	35
	Min	0.3	0.75
	Mean	2.602	2.346
	Max	6.58	5.3
Gordon River Extension	N	19	6
	Min	0.04	0.75
	Mean	10.29	2.245
	Max	140.1	3.33
Haldeman Cr Lower	N	37	14
	Min	2.25	4.56
	Mean	7.07	9.2
	Max	14.86	16.9

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Copper (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	36	12
	Min	6.17	5.335
	Mean	18.29	12.57
	Max	80.04	24.4
Immokalee Basin	N	49	50
	Min	0.15	0.15
	Mean	1.666	1.943
	Max	9.37	5.62
Naples Bay	N	23	9
	Min	0.5	2.4
	Mean	3.046	4.521
	Max	6.6	9.6
Okaloacoochee Slough	N	48	16
	Min	0.15	0.15
	Mean	1.073	1.258
	Max	4.03	4
Rookery Bay Coastal	N	1	0
	Min	2	
	Mean	2	
	Max	2	
Rookery Bay East	N	58	17
	Min	0.15	0.2
	Mean	0.995	1.172
	Max	2.85	3.5
Rookery Bay West	N	36	12
	Min	0.3	0.49
	Mean	3.598	7.588
	Max	15.15	54

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Copper (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	52	28
	Min	1.37	1.2
	Mean	4.804	5.671
	Max	10.7	19.07
Tamiami Canal	N	135	54
	Min	0.15	0.27
	Mean	0.814	1.353
	Max	5.3	3.99
Ten Thousand Islands	N	78	26
	Min	0.15	0.65
	Mean	1.65	1.878
	Max	11.8	5.71

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Dissolved Oxygen (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	114	56
	Min	0.715	0.31
	Mean	3.013	2.739
	Max	8.13	8.05
Camp Keais	N	235	111
	Min	0.33	0.25
	Mean	2.831	2.137
	Max	22	8.325
Cocohatchee GC Disch	N	37	18
	Min	2.27	2.49
	Mean	4.936	5.728
	Max	11.66	11.62
Cocohatchee Inland	N	910	485
	Min	0.65	0.1
	Mean	6.116	4.495
	Max	15.92	12.3
Cocohatchee River	N	217	116
	Min	0.42	1.24
	Mean	5.194	3.868
	Max	16.74	7.2
Corkscrew Swamp	N	106	91
	Min	0.18	0.08
	Mean	3.005	2.534
	Max	9.7	11
Cow Slough	N	51	36
	Min	0.84	0.93
	Mean	4.709	3.232
	Max	9.36	6.46

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	329	166
	Min	1.28	0.3
	Mean	6.509	4.333
	Max	14.08	9.17
Faka Union South	N	488	244
	Min	0.22	0.35
	Mean	6.826	4.665
	Max	12.88	17.57
Fakahatchee Strand	N	333	176
	Min	0.25	0.11
	Mean	4.35	2.249
	Max	15.1	10.69
Golden Gate	N	630	355
	Min	0.93	0.5
	Mean	6.003	4.709
	Max	12.6	15.8
Gordon Marine	N	327	169
	Min	0.43	0.17
	Mean	4.446	3.724
	Max	14.32	7.35
Gordon River Extension	N	103	57
	Min	0.64	0.6
	Mean	3.994	3.093
	Max	12.4	13.8
Haldeman Cr Lower	N	127	63
	Min	1.78	1.485
	Mean	4.314	3.359
	Max	11.2	6.35

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Dissolved Oxygen (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	131	70
	Min	2.36	2.54
	Mean	6.683	5.197
	Max	11.28	12.29
Immokalee Basin	N	55	60
	Min	0.32	0.04
	Mean	3.998	2.73
	Max	11.21	7.8
Naples Bay	N	97	63
	Min	1.3	1.6
	Mean	5.906	4.887
	Max	10.8	10.6
Okaloacoochee Slough	N	135	67
	Min	0.23	0.12
	Mean	3.376	2.101
	Max	10.05	8.24
Rookery Bay Coastal	N	98	73
	Min	0.1	0.1
	Mean	3.892	2.627
	Max	13.4	6.4
Rookery Bay East	N	226	120
	Min	0.63	0.2
	Mean	5.894	4.633
	Max	12.58	10.02
Rookery Bay West	N	129	75
	Min	1.86	0.4
	Mean	6.132	4.265
	Max	12.79	8.83

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Dissolved Oxygen (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	80	44
	Min	1.1	0.5
	Mean	4.981	3.026
	Max	10.02	5.32
Tamiami Canal	N	434	243
	Min	1.19	1.18
	Mean	3.793	3.024
	Max	10.8	9.14
Ten Thousand Islands	N	273	151
	Min	1.18	0.1
	Mean	4.96	3.838
	Max	11.87	8.74

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Fecal Coliform (#/100ml)

		Dry	Wet
Basin			
Barron River Canal	N	108	55
	Min	1	1
	Mean	53.86	59.55
	Max	1524	600
Camp Keais	N	229	108
	Min	1	1
	Mean	65.91	50.01
	Max	1388	400
Cocohatchee GC Disch	N	37	18
	Min	1	42
	Mean	129.8	355.7
	Max	560	1267
Cocohatchee Inland	N	867	460
	Min	1	1
	Mean	92.98	180.2
	Max	6400	4000
Cocohatchee River	N	207	111
	Min	1	2
	Mean	102.8	198.9
	Max	960	1500
Corkscrew Swamp	N	98	83
	Min	1	1
	Mean	133.4	84.36
	Max	980	600
Cow Slough	N	24	14
	Min	1	30
	Mean	1403	420
	Max	16250	2000

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		Dry	Wet
Basin			
Faka Union North	N	328	167
	Min	1	1
	Mean	38.29	39.84
	Max	4550	600
Faka Union South	N	485	249
	Min	1	1
	Mean	39.89	33.64
	Max	1280	520
Fakahatchee Strand	N	309	166
	Min	1	1
	Mean	77.87	49.37
	Max	2000	600
Golden Gate	N	571	287
	Min	1	1
	Mean	62.39	88.49
	Max	11000	4000
Gordon Marine	N	327	170
	Min	1	1
	Mean	115.6	250
	Max	1043	3200
Gordon River Extension	N	93	47
	Min	1	1
	Mean	237.3	1028
	Max	4480	7200
Haldeman Cr Lower	N	121	58
	Min	1	1
	Mean	300.8	655.2
	Max	3400	6400

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Fecal Coliform (#/100ml)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	127	64
	Min	1	5
	Mean	115.1	415.7
	Max	2120	6300
Immokalee Basin	N	12	8
	Min	2	16
	Mean	113.6	92.38
	Max	500	190
Naples Bay	N	87	47
	Min	1	1
	Mean	41.15	160.2
	Max	520	2000
Okaloacoochee Slough	N	134	65
	Min	1	1
	Mean	210.7	154
	Max	9600	2000
Rookery Bay Coastal	N	73	59
	Min	1.5	1.5
	Mean	202.8	420.3
	Max	2600	4000
Rookery Bay East	N	203	99
	Min	1	1
	Mean	49.31	161.2
	Max	756.8	5400
Rookery Bay West	N	122	67
	Min	1	2
	Mean	113.7	277.6
	Max	4600	4000

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Fecal Coliform (#/100ml)

		Dry	Wet
Basin			
Silver Strand	N	41	18
	Min	4	16
	Mean	360.6	295.9
	Max	6000	2000
Tamiami Canal	N	424	237
	Min	1	4
	Mean	68.93	98.27
	Max	720	1129
Ten Thousand Islands	N	232	124
	Min	1	1
	Mean	48.82	75.11
	Max	950	1980

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Iron (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	42	14
	Min	0.15	0.12
	Mean	586.7	568.8
	Max	1910	1640
Camp Keais	N	86	23
	Min	72.6	76
	Mean	277.3	247.7
	Max	1897	630
Cocohatchee GC Disch	N	14	5
	Min	151	360
	Mean	826.4	1248
	Max	2720	2274
Cocohatchee Inland	N	382	151
	Min	0.06	0.1
	Mean	248.1	239.7
	Max	2200	1240
Cocohatchee River	N	94	42
	Min	0.025	0.07
	Mean	261.8	228.7
	Max	1100	1050
Corkscrew Swamp	N	49	8
	Min	0.043	0.1
	Mean	324.1	0.346
	Max	1830	0.69
Cow Slough	N	8	5
	Min	210	142.6
	Mean	604.6	295.2
	Max	946.7	450

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Iron (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	120	39
	Min	18.3	98
	Mean	385.4	512.3
	Max	1700	1496
Faka Union South	N	186	63
	Min	0.062	0.035
	Mean	184.9	198.2
	Max	960	720
Fakahatchee Strand	N	123	37
	Min	0.31	0.46
	Mean	172	215.1
	Max	1300	776.4
Golden Gate	N	243	101
	Min	0.03	0.004
	Mean	423.5	371.9
	Max	1700	1500
Gordon Marine	N	147	60
	Min	0.12	0.12
	Mean	249.7	245.1
	Max	900	2530
Gordon River Extension	N	22	9
	Min	0.04	0.08
	Mean	127	112.3
	Max	700	521
Haldeman Cr Lower	N	53	19
	Min	0.12	0.012
	Mean	180.1	137
	Max	790	710

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Iron (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	56	23
	Min	0.055	0.11
	Mean	93.31	63.77
	Max	600	160
Immokalee Basin	N	7	3
	Min	67.1	191
	Mean	159.4	206.3
	Max	339	230
Naples Bay	N	43	21
	Min	0.018	0.023
	Mean	289.2	188.7
	Max	1180	660
Okaloacoochee Slough	N	49	16
	Min	50.1	95.69
	Mean	247.8	313.5
	Max	1210	753
Rookery Bay Coastal	N	2	2
	Min	0.015	0.093
	Mean	0.048	0.102
	Max	0.08	0.11
Rookery Bay East	N	86	28
	Min	0.052	0.12
	Mean	225.3	250.5
	Max	1440	1210
Rookery Bay West	N	54	23
	Min	0.23	0.12
	Mean	187.8	164.5
	Max	770	540

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Iron (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	16	8
	Min	0.27	1.8
	Mean	896	977.2
	Max	1690	2500
Tamiami Canal	N	163	63
	Min	0.003	0.16
	Mean	145.2	171.3
	Max	1500	1090
Ten Thousand Islands	N	94	40
	Min	0.021	0.017
	Mean	166.2	103.3
	Max	980	400

**Summary of Seasonal WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	48	26
	Min	0.006	0.008
	Mean	0.072	0.045
	Max	0.27	0.12
Camp Keais	N	104	48
	Min	0.006	0.006
	Mean	0.163	0.066
	Max	4.26	0.355
Cocohatchee GC Disch	N	37	18
	Min	0.006	0.006
	Mean	0.213	0.227
	Max	0.743	0.897
Cocohatchee Inland	N	422	235
	Min	0.006	0.006
	Mean	0.116	0.194
	Max	3.01	3.05
Cocohatchee River	N	59	32
	Min	94E-5	0.003
	Mean	0.096	0.063
	Max	0.315	0.151
Corkscrew Swamp	N	37	35
	Min	0.006	0.01
	Mean	0.132	0.16
	Max	1.3	3.27
Cow Slough	N	23	14
	Min	0.006	0.006
	Mean	0.192	0.045
	Max	0.798	0.149

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=NH3 (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	139	73
	Min	0.006	0.006
	Mean	0.022	0.037
	Max	0.35	0.17
Faka Union South	N	183	101
	Min	0.006	0.006
	Mean	0.024	0.034
	Max	0.184	0.175
Fakahatchee Strand	N	119	73
	Min	0.006	0.006
	Mean	0.091	0.044
	Max	2.02	0.139
Golden Gate	N	295	182
	Min	0.004	0.006
	Mean	0.056	0.054
	Max	0.95	0.363
Gordon Marine	N	96	51
	Min	0.015	0.01
	Mean	1.059	0.084
	Max	89.33	0.38
Gordon River Extension	N	98	52
	Min	0.013	0.01
	Mean	0.2	0.159
	Max	0.839	0.52
Haldeman Cr Lower	N	45	26
	Min	0.037	0.01
	Mean	0.252	0.122
	Max	4.95	0.385

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	53	29
	Min	56E-5	0.01
	Mean	0.121	0.099
	Max	2.9	0.403
Immokalee Basin	N	12	8
	Min	0.006	0.01
	Mean	0.085	0.082
	Max	0.45	0.254
Naples Bay	N	13	21
	Min	75E-5	0.003
	Mean	0.071	0.114
	Max	0.27	0.338
Okaloacoochee Slough	N	72	37
	Min	0.006	0.01
	Mean	0.12	0.468
	Max	3.21	13
Rookery Bay Coastal	N	13	13
	Min	0.004	0.003
	Mean	44.71	0.222
	Max	89.33	2.13
Rookery Bay East	N	77	48
	Min	0.004	0.006
	Mean	1.257	0.109
	Max	89.92	0.97
Rookery Bay West	N	54	31
	Min	0.006	0.01
	Mean	0.044	0.079
	Max	0.34	0.41

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=NH3 (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	40	21
	Min	0.02	0.039
	Mean	0.638	1.66
	Max	3.47	14
Tamiami Canal	N	154	79
	Min	94E-5	0.006
	Mean	0.086	0.03
	Max	2.1	0.219
Ten Thousand Islands	N	129	73
	Min	6E-4	0.002
	Mean	1.434	0.034
	Max	89.33	0.16

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	103	52
	Min	0.002	0.002
	Mean	0.035	0.036
	Max	0.18	0.251
Camp Keais	N	201	104
	Min	0.002	0.002
	Mean	0.016	0.01
	Max	0.218	0.069
Cocohatchee GC Disch	N	37	18
	Min	0.008	0.019
	Mean	0.276	0.124
	Max	0.893	0.36
Cocohatchee Inland	N	820	431
	Min	0.002	0.002
	Mean	0.077	0.056
	Max	1.14	0.36
Cocohatchee River	N	187	103
	Min	0.002	0.002
	Mean	0.091	0.092
	Max	0.28	0.67
Corkscrew Swamp	N	89	77
	Min	0.002	0.002
	Mean	0.063	0.05
	Max	0.759	0.35
Cow Slough	N	43	30
	Min	0.009	0.002
	Mean	0.068	0.026
	Max	0.27	0.086

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	292	148
	Min	0.002	0.002
	Mean	0.021	0.023
	Max	0.16	0.15
Faka Union South	N	437	227
	Min	0.002	0.002
	Mean	0.016	0.014
	Max	1.31	0.08
Fakahatchee Strand	N	297	159
	Min	0.002	0.002
	Mean	0.018	0.012
	Max	0.245	0.181
Golden Gate	N	511	277
	Min	0.002	0.002
	Mean	0.046	0.043
	Max	0.82	0.2
Gordon Marine	N	286	150
	Min	0.002	0.002
	Mean	0.071	0.07
	Max	0.343	0.19
Gordon River Extension	N	57	31
	Min	0.006	0.01
	Mean	0.186	0.091
	Max	0.6	0.218
Haldeman Cr Lower	N	113	53
	Min	0.002	0.005
	Mean	0.042	0.043
	Max	0.18	0.12

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Nitrate Nitrate (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	111	57
	Min	0.002	0.002
	Mean	0.049	0.056
	Max	0.37	0.2
Immokalee Basin	N	39	45
	Min	0.002	0.002
	Mean	0.388	0.237
	Max	2.837	1.579
Naples Bay	N	74	42
	Min	0.01	0.01
	Mean	0.046	0.059
	Max	0.29	0.165
Okaloacoochee Slough	N	124	65
	Min	0.002	0.002
	Mean	0.015	0.015
	Max	0.11	0.253
Rookery Bay Coastal	N	10	4
	Min	0.005	0.02
	Mean	0.033	0.023
	Max	0.066	0.03
Rookery Bay East	N	185	90
	Min	0.002	0.002
	Mean	0.035	0.041
	Max	0.376	0.448
Rookery Bay West	N	114	65
	Min	0.002	0.002
	Mean	0.055	0.064
	Max	0.25	0.201

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Nitrate Nitrate (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	68	38
	Min	0.01	0.002
	Mean	0.808	0.849
	Max	2.48	10.2
Tamiami Canal	N	396	216
	Min	0.002	0.002
	Mean	0.035	0.011
	Max	0.303	0.19
Ten Thousand Islands	N	242	128
	Min	0.002	0.002
	Mean	0.023	0.019
	Max	0.2	0.09

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Salinity (ppt)

		Dry	Wet
Basin			
Barron River Canal	N	112	58
	Min	0	0
	Mean	0.25	0.183
	Max	0.38	0.37
Camp Keais	N	238	113
	Min	0	0
	Mean	0.219	0.16
	Max	0.39	0.345
Cocohatchee GC Disch	N	37	18
	Min	0.35	0.42
	Mean	0.515	0.516
	Max	0.7	0.64
Cocohatchee Inland	N	932	487
	Min	0	0
	Mean	0.587	0.545
	Max	15.96	20.5
Cocohatchee River	N	224	118
	Min	0	0
	Mean	16.13	9.235
	Max	34.4	32.9
Corkscrew Swamp	N	106	91
	Min	0	0
	Mean	0.17	0.144
	Max	0.3	0.29
Cow Slough	N	52	36
	Min	0.04	0.05
	Mean	0.223	0.155
	Max	0.35	0.35

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Salinity (ppt)

		Dry	Wet
Basin			
Faka Union North	N	333	168
	Min	0	0
	Mean	0.261	0.225
	Max	7.245	0.36
Faka Union South	N	491	251
	Min	0	0
	Mean	2.053	1.385
	Max	42.79	32.92
Fakahatchee Strand	N	339	184
	Min	0	0
	Mean	7.346	2.578
	Max	50.25	37.88
Golden Gate	N	604	319
	Min	0	0
	Mean	0.243	0.372
	Max	3.37	25
Gordon Marine	N	337	171
	Min	0	0
	Mean	17.15	7.062
	Max	36.03	33.84
Gordon River Extension	N	68	42
	Min	0	0
	Mean	2.428	0.69
	Max	13.32	9.545
Haldeman Cr Lower	N	128	63
	Min	0	0
	Mean	25.66	13.36
	Max	36.62	33.74

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Salinity (ppt)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	131	69
	Min	0	0
	Mean	0.416	0.465
	Max	2.79	3.88
Immokalee Basin	N	55	60
	Min	0.03	0.03
	Mean	0.177	0.149
	Max	0.27	0.25
Naples Bay	N	104	63
	Min	0	0
	Mean	28.69	19.86
	Max	37.67	36.73
Okaloacoochee Slough	N	138	69
	Min	0	0
	Mean	0.211	0.199
	Max	0.45	0.42
Rookery Bay Coastal	N	94	77
	Min	0	0
	Mean	10.39	7.773
	Max	43.8	35.4
Rookery Bay East	N	231	116
	Min	0	0
	Mean	6.267	3.571
	Max	39.99	40.73
Rookery Bay West	N	128	73
	Min	0	0
	Mean	0.967	0.555
	Max	21.81	7.48

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Salinity (ppt)

		Dry	Wet
Basin			
Silver Strand	N	82	44
	Min	0	0
	Mean	0.15	0.115
	Max	0.31	0.24
Tamiami Canal	N	444	232
	Min	0	0
	Mean	0.182	0.223
	Max	0.29	14.7
Ten Thousand Islands	N	276	155
	Min	0	0
	Mean	17.66	9.64
	Max	41.38	38.79

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Secchi Disk Depth(ft)

		Dry	Wet
Basin			
Barron River Canal	N	115	55
	Min	0	0
	Mean	0.942	0.796
	Max	2.2	1.9
Camp Keais	N	228	92
	Min	0	0
	Mean	1.169	1.053
	Max	2.8	2.5
Cocohatchee GC Disch	N	37	18
	Min	0.4	0.35
	Mean	0.623	0.64
	Max	0.8	0.85
Cocohatchee Inland	N	890	446
	Min	0	0
	Mean	1.19	1.019
	Max	5.25	6
Cocohatchee River	N	196	98
	Min	0	0
	Mean	0.754	0.798
	Max	3	3.5
Corkscrew Swamp	N	93	70
	Min	0.15	0.1
	Mean	0.698	0.881
	Max	1.3	3.5
Cow Slough	N	52	32
	Min	0.1	0.1
	Mean	0.335	0.42
	Max	1	0.85

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Secchi Disk Depth(ft)

		Dry	Wet
Basin			
Faka Union North	N	330	156
	Min	0	0
	Mean	1.248	1.234
	Max	2.5	2.2
Faka Union South	N	242	135
	Min	0	0
	Mean	0.95	1.04
	Max	2.9	2.8
Fakahatchee Strand	N	335	179
	Min	0	0
	Mean	0.786	0.871
	Max	2.3	1.7
Golden Gate	N	579	277
	Min	0	0
	Mean	1.126	1.019
	Max	5	4
Gordon Marine	N	332	151
	Min	0	0
	Mean	1.19	1.155
	Max	5.27	4.5
Gordon River Extension	N	60	32
	Min	0	0
	Mean	1.056	1.038
	Max	2.286	5.75
Haldeman Cr Lower	N	130	61
	Min	0	0
	Mean	1.136	1.17
	Max	5.5	5

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Secchi Disk Depth(ft)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	132	66
	Min	0	0
	Mean	1.073	1.043
	Max	4.25	5
Immokalee Basin	N	53	60
	Min	0.1	0.03
	Mean	0.275	0.327
	Max	0.6	0.75
Naples Bay	N	100	57
	Min	0	0
	Mean	1.06	0.834
	Max	4.5	4.5
Okaloacoochee Slough	N	139	68
	Min	0	0
	Mean	0.917	0.788
	Max	2	1.6
Rookery Bay Coastal	N	24	9
	Min	0	0
	Mean	0.133	0
	Max	0.8	0
Rookery Bay East	N	219	96
	Min	0	0
	Mean	0.884	1.008
	Max	3.75	2.8
Rookery Bay West	N	118	62
	Min	0	0
	Mean	1	1.104
	Max	2.5	3.75

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Secchi Disk Depth(ft)

		Dry	Wet
Basin			
Silver Strand	N	81	44
	Min	0	0
	Mean	0.428	0.406
	Max	0.9	0.9
Tamiami Canal	N	439	239
	Min	0	0
	Mean	1.05	1.278
	Max	2.5	2.4
Ten Thousand Islands	N	265	146
	Min	0	0
	Mean	1.382	1.336
	Max	3	2.9

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Temperature (C)

		Dry	Wet
Basin			
Barron River Canal	N	119	58
	Min	11.3	24.6
	Mean	22.96	28.08
	Max	29.1	31.4
Camp Keais	N	243	113
	Min	8.8	24.3
	Mean	21.14	26.54
	Max	27.7	29.35
Cocohatchee GC Disch	N	37	18
	Min	15.2	24.71
	Mean	22.93	28.46
	Max	29.97	31.2
Cocohatchee Inland	N	942	490
	Min	10.75	23.83
	Mean	23.35	28.88
	Max	32.5	35.5
Cocohatchee River	N	227	118
	Min	15.1	25.7
	Mean	24.44	29.41
	Max	31	33.3
Corkscrew Swamp	N	106	91
	Min	8.1	23.7
	Mean	20.12	27.19
	Max	26.4	31.38
Cow Slough	N	52	36
	Min	11.6	24.8
	Mean	21.47	27.98
	Max	27.7	30.3

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Temperature (C)

		Dry	Wet
Basin			
Faka Union North	N	339	168
	Min	12.73	25.5
	Mean	23.53	28.39
	Max	30.5	32.6
Faka Union South	N	502	255
	Min	14.6	23.8
	Mean	23.54	27.89
	Max	31.6	34.1
Fakahatchee Strand	N	348	188
	Min	12.2	24
	Mean	22.64	28.16
	Max	31	31.9
Golden Gate	N	649	362
	Min	13.8	24.4
	Mean	23.58	28.61
	Max	31.1	32.9
Gordon Marine	N	346	171
	Min	13.6	19.5
	Mean	23.85	29.03
	Max	30.55	33.05
Gordon River Extension	N	105	57
	Min	13.4	25.3
	Mean	23.46	28.57
	Max	35.2	37.1
Haldeman Cr Lower	N	133	66
	Min	15.2	26.1
	Mean	24.27	30.39
	Max	32	33.85

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Temperature (C)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	136	73
	Min	12.4	26.1
	Mean	24.08	29.81
	Max	31.1	32.7
Immokalee Basin	N	55	60
	Min	8.9	23.3
	Mean	21.53	27
	Max	30.5	31.5
Naples Bay	N	104	63
	Min	15.2	26.5
	Mean	23.86	29.8
	Max	29.95	33
Okaloacoochee Slough	N	139	69
	Min	10.9	24.59
	Mean	21.66	27.79
	Max	29	31.45
Rookery Bay Coastal	N	99	77
	Min	16.1	26.6
	Mean	23.87	29.32
	Max	30.24	31.7
Rookery Bay East	N	245	123
	Min	11.47	24.6
	Mean	24.06	29.27
	Max	31.5	34.3
Rookery Bay West	N	134	78
	Min	14.2	25
	Mean	23.62	29.31
	Max	30.6	34.1

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Temperature (C)

		Dry	Wet
Basin			
Silver Strand	N	82	44
	Min	12.2	25
	Mean	22.57	28.72
	Max	30.9	32.2
Tamiami Canal	N	455	243
	Min	14.95	24.2
	Mean	23.02	28.04
	Max	30.2	34
Ten Thousand Islands	N	280	156
	Min	15.5	24.8
	Mean	24.34	29.05
	Max	30.75	33.5

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	98	50
	Min	0.208	0.095
	Mean	1.121	1.111
	Max	3.311	3.05
Camp Keais	N	199	95
	Min	0.04	0.04
	Mean	0.985	0.942
	Max	7.35	3.77
Cocohatchee GC Disch	N	37	18
	Min	0.186	0.407
	Mean	0.859	1.026
	Max	2.448	2.17
Cocohatchee Inland	N	788	440
	Min	0.04	0.051
	Mean	0.926	0.975
	Max	4.83	3.53
Cocohatchee River	N	180	105
	Min	0.04	0.102
	Mean	0.738	0.754
	Max	3.6	1.5
Corkscrew Swamp	N	85	72
	Min	0.345	0.125
	Mean	1.291	1.383
	Max	9.85	5.527
Cow Slough	N	48	33
	Min	0.41	0.076
	Mean	1.139	1.391
	Max	2.86	2.2

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	282	142
	Min	0.04	0.04
	Mean	0.586	0.63
	Max	3.94	1.88
Faka Union South	N	423	216
	Min	0.04	0.04
	Mean	0.655	0.634
	Max	9.1	3.43
Fakahatchee Strand	N	287	169
	Min	0.04	0.07
	Mean	1.285	1.115
	Max	9.039	2.95
Golden Gate	N	534	324
	Min	0.01	0.04
	Mean	0.967	0.829
	Max	22.3	2.65
Gordon Marine	N	282	144
	Min	0.01	0
	Mean	0.783	1.042
	Max	4.6	43.1
Gordon River Extension	N	65	38
	Min	0.14	0.41
	Mean	0.995	1.473
	Max	1.66	14.38
Haldeman Cr Lower	N	111	54
	Min	0.04	0.21
	Mean	0.715	0.797
	Max	2.5	1.9

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	113	64
	Min	0.051	0.5
	Mean	0.851	0.965
	Max	3.3	2.33
Immokalee Basin	N	54	47
	Min	0.076	0.076
	Mean	0.933	1
	Max	2.02	2.37
Naples Bay	N	78	52
	Min	0.04	0.076
	Mean	0.593	0.798
	Max	2	4.35
Okaloacoochee Slough	N	119	63
	Min	0.04	0.468
	Mean	2.077	2.458
	Max	15.98	35.35
Rookery Bay Coastal	N	20	9
	Min	0.13	0.1
	Mean	0.778	0.406
	Max	3.33	0.9
Rookery Bay East	N	196	92
	Min	0.076	0.076
	Mean	0.784	0.774
	Max	2.608	2.5
Rookery Bay West	N	112	66
	Min	0.25	0.187
	Mean	0.755	0.737
	Max	3.7	1.71

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Kjeldahl Nitrogen (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	77	41
	Min	0.04	0.076
	Mean	1.498	2.202
	Max	4.18	12.6
Tamiami Canal	N	374	200
	Min	0.04	0.076
	Mean	0.672	0.654
	Max	3.83	2.854
Ten Thousand Islands	N	236	121
	Min	0.04	0.1
	Mean	0.626	0.611
	Max	2.44	1.3

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Nitrogen (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	94	48
	Min	0.262	0.12
	Mean	1.168	1.165
	Max	3.325	3.06
Camp Keais	N	191	93
	Min	0.05	0.06
	Mean	0.999	0.934
	Max	7.568	3.782
Cocohatchee GC Disch	N	37	18
	Min	0.328	0.677
	Mean	1.135	1.151
	Max	2.488	2.263
Cocohatchee Inland	N	776	428
	Min	0.02	0.1
	Mean	0.996	1.015
	Max	5.975	3.58
Cocohatchee River	N	173	104
	Min	0	0.106
	Mean	0.836	0.842
	Max	3.76	1.59
Corkscrew Swamp	N	78	66
	Min	0.4	0.129
	Mean	1.356	1.428
	Max	9.88	5.716
Cow Slough	N	47	30
	Min	0.422	0.141
	Mean	1.225	1.423
	Max	2.937	2.286

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	268	138
	Min	0.05	0.05
	Mean	0.625	0.657
	Max	3.942	1.89
Faka Union South	N	405	207
	Min	0.05	0.05
	Mean	0.683	0.666
	Max	9.11	3.71
Fakahatchee Strand	N	269	158
	Min	0.063	0.08
	Mean	1.321	1.102
	Max	9.062	2.96
Golden Gate	N	490	261
	Min	0.03	0.11
	Mean	1.028	0.889
	Max	22.3	2.73
Gordon Marine	N	268	137
	Min	0.07	0.06
	Mean	0.873	1.126
	Max	4.72	43.17
Gordon River Extension	N	62	35
	Min	0.472	0.563
	Mean	1.204	1.607
	Max	1.87	14.6
Haldeman Cr Lower	N	106	49
	Min	0.062	0.24
	Mean	0.756	0.833
	Max	2.68	2

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	106	56
	Min	0.068	0.52
	Mean	0.927	1.048
	Max	4.27	2.334
Immokalee Basin	N	47	41
	Min	0.078	0.112
	Mean	1.296	1.099
	Max	3.583	2.38
Naples Bay	N	68	39
	Min	0.09	0.113
	Mean	0.644	0.726
	Max	1.95	3.2
Okaloacoochee Slough	N	114	62
	Min	0.057	0.591
	Mean	2.099	2.491
	Max	15.99	35.35
Rookery Bay Coastal	N	10	4
	Min	0.42	0.28
	Mean	1.118	0.48
	Max	3.335	0.93
Rookery Bay East	N	175	86
	Min	0.08	0.09
	Mean	0.842	0.825
	Max	4.22	2.51
Rookery Bay West	N	107	63
	Min	0.27	0.256
	Mean	0.815	0.808
	Max	3.72	1.76

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Nitrogen (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	71	39
	Min	0.425	0.406
	Mean	2.324	3.026
	Max	6.66	22.8
Tamiami Canal	N	368	193
	Min	0.05	0.081
	Mean	0.716	0.66
	Max	3.872	1.87
Ten Thousand Islands	N	227	119
	Min	0.05	0.12
	Mean	0.658	0.633
	Max	2.472	1.31

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Phosphorous (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	97	51
	Min	0.01	0.013
	Mean	0.068	0.095
	Max	0.414	0.497
Camp Keais	N	202	99
	Min	0.004	0.004
	Mean	0.09	0.14
	Max	1.2	1.3
Cocohatchee GC Disch	N	37	18
	Min	0.008	0.004
	Mean	0.024	0.093
	Max	0.045	1.2
Cocohatchee Inland	N	841	456
	Min	0.004	0.004
	Mean	0.145	0.219
	Max	9.6	9.9
Cocohatchee River	N	194	108
	Min	0.007	0.01
	Mean	0.093	0.113
	Max	2.08	2.2
Corkscrew Swamp	N	95	78
	Min	0.005	0.006
	Mean	0.055	0.112
	Max	0.996	0.974
Cow Slough	N	42	33
	Min	0.087	0.122
	Mean	0.222	0.292
	Max	0.596	0.775

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	289	152
	Min	0.004	0.004
	Mean	0.024	0.034
	Max	0.46	0.429
Faka Union South	N	432	221
	Min	0.004	0.004
	Mean	0.026	0.021
	Max	0.668	0.19
Fakahatchee Strand	N	299	165
	Min	0.004	0.004
	Mean	0.056	0.039
	Max	1.33	0.88
Golden Gate	N	566	332
	Min	0.004	0.004
	Mean	0.032	0.044
	Max	1.6	0.95
Gordon Marine	N	300	158
	Min	0.004	0.018
	Mean	0.054	0.067
	Max	0.36	0.273
Gordon River Extension	N	101	52
	Min	0.01	0.006
	Mean	0.075	0.103
	Max	0.46	0.618
Haldeman Cr Lower	N	116	62
	Min	0.004	0.019
	Mean	0.049	0.076
	Max	0.386	0.59

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Phosphorous (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	113	67
	Min	0.01	0.013
	Mean	0.059	0.091
	Max	1.4	0.462
Immokalee Basin	N	47	55
	Min	0.036	0.07
	Mean	0.451	0.368
	Max	11	0.926
Naples Bay	N	88	59
	Min	0.01	0.005
	Mean	0.09	0.086
	Max	1.6	0.64
Okaloacoochee Slough	N	121	64
	Min	0.007	0.004
	Mean	0.078	0.155
	Max	0.737	0.748
Rookery Bay Coastal	N	32	17
	Min	0.01	0.01
	Mean	0.249	0.099
	Max	1.87	0.32
Rookery Bay East	N	201	105
	Min	0.005	0.004
	Mean	0.071	0.062
	Max	0.96	0.682
Rookery Bay West	N	116	69
	Min	0.004	0.01
	Mean	0.047	0.06
	Max	0.9	0.5

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Phosphorous (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	71	43
	Min	0.116	0.007
	Mean	0.403	0.488
	Max	1.1	1.3
Tamiami Canal	N	390	225
	Min	0.004	0.003
	Mean	0.047	0.038
	Max	2.1	3.8
Ten Thousand Islands	N	249	131
	Min	0.004	0.004
	Mean	0.078	0.057
	Max	1.3	1.15

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		Dry	Wet
Basin			
Barron River Canal	N	107	50
	Min	0.4	0.8
	Mean	3.398	5.862
	Max	12.8	27.2
Camp Keais	N	217	97
	Min	0.5	1
	Mean	4.371	2.988
	Max	91	23
Cocohatchee GC Disch	N	37	18
	Min	2	2
	Mean	3.13	3.456
	Max	13.6	11
Cocohatchee Inland	N	866	455
	Min	0.8	1
	Mean	3.887	4.771
	Max	111.5	157
Cocohatchee River	N	199	110
	Min	2	2
	Mean	9.891	10.59
	Max	110	116
Corkscrew Swamp	N	100	83
	Min	2	2
	Mean	5.534	5.578
	Max	69	110
Cow Slough	N	50	36
	Min	2	2
	Mean	8.448	2.811
	Max	74	15

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		Dry	Wet
Basin			
Faka Union North	N	307	150
	Min	2	2
	Mean	2.919	2.714
	Max	28	12
Faka Union South	N	448	223
	Min	0.1	2
	Mean	3.911	2.645
	Max	62	28
Fakahatchee Strand	N	308	165
	Min	1.2	1
	Mean	7.509	3.127
	Max	97	42
Golden Gate	N	579	296
	Min	1	0.6
	Mean	3.351	4.237
	Max	60	97
Gordon Marine	N	303	160
	Min	2	2
	Mean	9.341	6.519
	Max	130	95.5
Gordon River Extension	N	81	46
	Min	1	0.8
	Mean	4.7	5.533
	Max	57	80
Haldeman Cr Lower	N	116	61
	Min	2	2
	Mean	10.88	7.379
	Max	237	105

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Total Suspended Solids (mg/L)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	124	65
	Min	2	0.7
	Mean	3.219	4.088
	Max	31	32
Immokalee Basin	N	55	61
	Min	2	2
	Mean	5.345	9.97
	Max	39	323
Naples Bay	N	87	55
	Min	2	2
	Mean	22.18	29.47
	Max	170	200
Okaloacoochee Slough	N	133	63
	Min	2	2
	Mean	6.248	8.135
	Max	102	174
Rookery Bay Coastal	N	22	19
	Min	2	2
	Mean	13.39	18.83
	Max	62	135
Rookery Bay East	N	202	100
	Min	0.8	0.8
	Mean	6.843	4.615
	Max	86	49
Rookery Bay West	N	115	66
	Min	1.6	0.5
	Mean	3.562	3.868
	Max	26	20

(Continued)

*Summary of Seasonal WQ
1989-2014*

WQ Variable=Total Suspended Solids (mg/L)

		Dry	Wet
Basin			
Silver Strand	N	81	44
	Min	1.2	2
	Mean	9.362	7.469
	Max	38.5	26
Tamiami Canal	N	419	211
	Min	0.1	1.2
	Mean	3.837	2.717
	Max	84.4	60
Ten Thousand Islands	N	259	136
	Min	1	1
	Mean	9.807	8.921
	Max	142	115

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		Dry	Wet
Basin			
Barron River Canal	N	118	59
	Min	0.2	0.4
	Mean	3.32	3.112
	Max	19	14
Camp Keais	N	241	115
	Min	0.1	0.1
	Mean	1.68	1.001
	Max	36	9.6
Cocohatchee GC Disch	N	37	18
	Min	0.4	0.8
	Mean	4.105	7.089
	Max	12.4	27
Cocohatchee Inland	N	936	495
	Min	0.1	0.47
	Mean	2.886	3.109
	Max	186	50
Cocohatchee River	N	225	120
	Min	0.1	0.7
	Mean	2.964	3.194
	Max	34.6	16
Corkscrew Swamp	N	106	91
	Min	0.3	0.1
	Mean	2.348	2.926
	Max	23.2	35
Cow Slough	N	23	14
	Min	0.4	0.7
	Mean	4.422	1.393
	Max	25	2.4

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		Dry	Wet
Basin			
Faka Union North	N	336	171
	Min	0.1	0.3
	Mean	2.02	2.148
	Max	13	6.8
Faka Union South	N	494	256
	Min	0.1	0.3
	Mean	1.185	1.193
	Max	9.9	9.2
Fakahatchee Strand	N	339	188
	Min	0.1	0.1
	Mean	1.956	2.08
	Max	30	150
Golden Gate	N	643	357
	Min	0.1	0.07
	Mean	2.838	3.419
	Max	16.8	53.2
Gordon Marine	N	341	172
	Min	0.1	0.8
	Mean	2.059	2.368
	Max	14.2	9.8
Gordon River Extension	N	103	55
	Min	0.1	0.46
	Mean	2.942	4.172
	Max	41	68
Haldeman Cr Lower	N	131	65
	Min	0.8	0.9
	Mean	2.236	1.978
	Max	6	4.2

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	136	72
	Min	0.3	0.68
	Mean	1.442	1.711
	Max	11	7.2
Immokalee Basin	N	12	8
	Min	0.3	0.4
	Mean	0.925	0.788
	Max	3	1.2
Naples Bay	N	103	64
	Min	0.2	0.52
	Mean	2.569	4.588
	Max	8.7	34.3
Okaloacoochee Slough	N	138	70
	Min	0.3	0.3
	Mean	2.218	2.888
	Max	54	31
Rookery Bay Coastal	N	25	18
	Min	0.625	1.7
	Mean	11.03	5.374
	Max	77.8	10.6
Rookery Bay East	N	238	118
	Min	0.1	0.35
	Mean	2.274	2.39
	Max	26	48
Rookery Bay West	N	133	77
	Min	0.1	0.2
	Mean	2.308	2.363
	Max	16	14.8

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=Turbidity (NTU)

		Dry	Wet
Basin			
Silver Strand	N	42	21
	Min	0.2	0.6
	Mean	19.36	13.44
	Max	62	45.5
Tamiami Canal	N	449	252
	Min	0.1	0.1
	Mean	1.219	0.93
	Max	31.7	56
Ten Thousand Islands	N	276	147
	Min	0.1	0.1
	Mean	2.116	2.22
	Max	19	39

**Summary of Seasonal WQ
1989-2014**

WQ Variable=pH (SU)

		Dry	Wet
Basin			
Barron River Canal	N	118	58
	Min	6.72	6.79
	Mean	7.246	7.223
	Max	8.02	7.95
Camp Keais	N	240	111
	Min	6.59	6.31
	Mean	7.232	7.088
	Max	8.125	8.025
Cocohatchee GC Disch	N	37	18
	Min	6.95	7.05
	Mean	7.269	7.252
	Max	7.67	7.59
Cocohatchee Inland	N	934	491
	Min	6.37	6.38
	Mean	7.538	7.37
	Max	9.29	8.355
Cocohatchee River	N	224	118
	Min	6.41	6.58
	Mean	7.381	7.371
	Max	8.09	8.05
Corkscrew Swamp	N	98	87
	Min	6.31	6.44
	Mean	7.083	7.054
	Max	7.73	7.68
Cow Slough	N	52	34
	Min	6.45	6.515
	Mean	7.232	6.984
	Max	7.62	7.42

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=pH (SU)

		Dry	Wet
Basin			
Faka Union North	N	339	167
	Min	6.82	6.79
	Mean	7.612	7.356
	Max	9.13	9.27
Faka Union South	N	501	255
	Min	6.74	6.34
	Mean	7.59	7.319
	Max	9.17	8.23
Fakahatchee Strand	N	345	187
	Min	6.3	6.25
	Mean	7.541	7.244
	Max	8.91	8.49
Golden Gate	N	649	359
	Min	6.19	6.18
	Mean	7.484	7.31
	Max	8.915	8.14
Gordon Marine	N	344	165
	Min	6.5	7.02
	Mean	7.403	7.331
	Max	8.03	7.75
Gordon River Extension	N	105	57
	Min	6.36	6.31
	Mean	7.209	7.111
	Max	8.29	7.84
Haldeman Cr Lower	N	132	61
	Min	6.433	6.92
	Mean	7.421	7.396
	Max	7.78	7.71

(Continued)

**Summary of Seasonal WQ
1989-2014**

WQ Variable=pH (SU)

		Dry	Wet
Basin			
Haldeman Cr Upper	N	136	73
	Min	6.68	6.37
	Mean	7.684	7.507
	Max	8.49	8.98
Immokalee Basin	N	55	57
	Min	6.78	6.58
	Mean	7.347	7.212
	Max	8.43	8.27
Naples Bay	N	104	61
	Min	6.9	7.03
	Mean	7.735	7.615
	Max	8.195	7.99
Okaloacoochee Slough	N	136	68
	Min	6.35	6.27
	Mean	7.12	7.02
	Max	7.99	8.06
Rookery Bay Coastal	N	98	76
	Min	6.39	5.73
	Mean	7.276	7.105
	Max	8.19	8.53
Rookery Bay East	N	242	122
	Min	6.64	6
	Mean	7.531	7.347
	Max	8.41	8.77
Rookery Bay West	N	133	78
	Min	6.62	6.15
	Mean	7.527	7.325
	Max	8.02	7.83

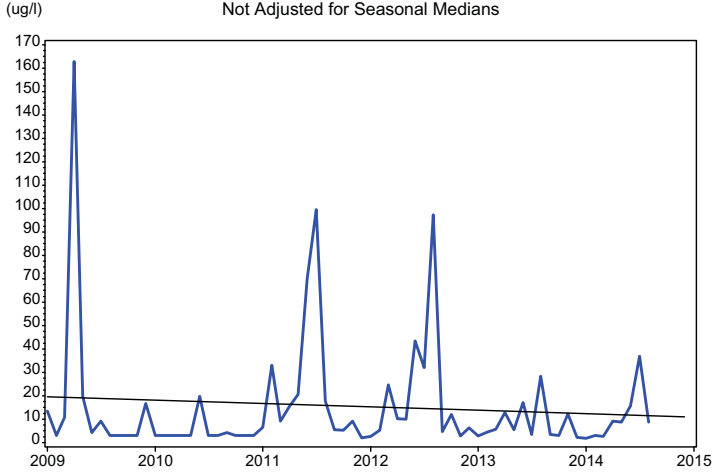
(Continued)

*Summary of Seasonal WQ
1989-2014*

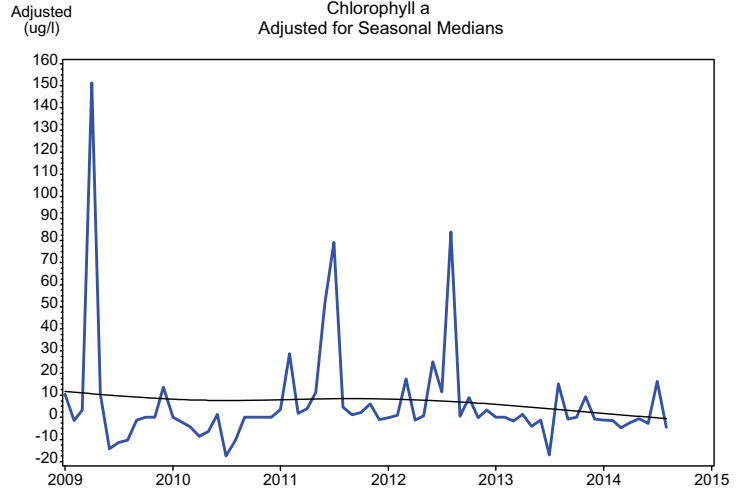
WQ Variable=pH (SU)

		Dry	Wet
Basin			
Silver Strand	N	81	42
	Min	6.36	6.51
	Mean	7.202	6.957
	Max	8.25	7.84
Tamiami Canal	N	451	243
	Min	6.38	6.15
	Mean	7.369	7.312
	Max	8.6	7.79
Ten Thousand Islands	N	276	150
	Min	6.82	6.94
	Mean	7.448	7.432
	Max	8.05	8.03

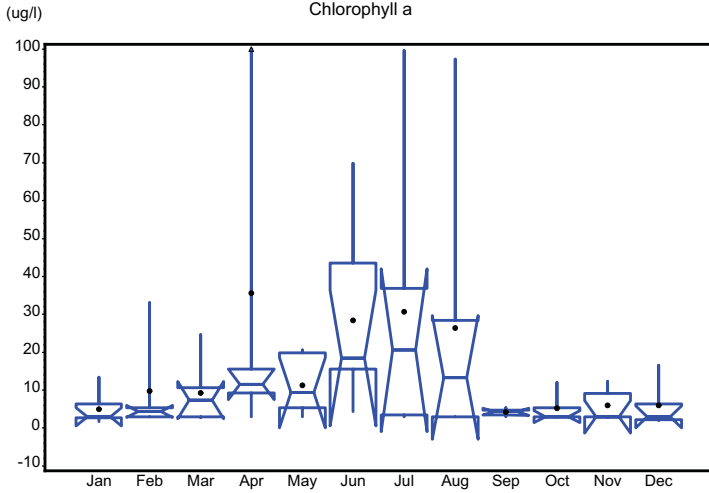
Barron River Canal Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



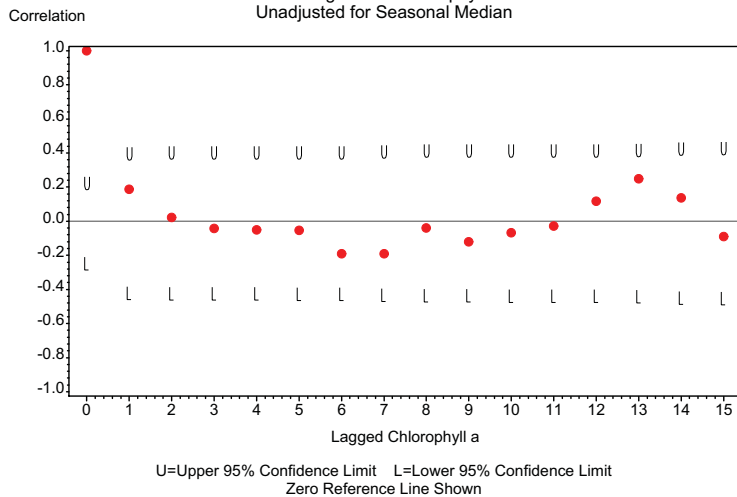
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Barron River Canal Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.187	0.204	0.408	-0.408
2	0.022	0.206	0.413	-0.413
3	-0.042	0.207	0.413	-0.413
4	-0.050	0.207	0.413	-0.413
5	-0.054	0.207	0.414	-0.414
6	-0.190	0.207	0.414	-0.414
7	-0.191	0.209	0.419	-0.419
8	-0.039	0.212	0.424	-0.424
9	-0.122	0.212	0.424	-0.424
10	-0.068	0.213	0.426	-0.426
11	-0.028	0.213	0.426	-0.426
12	0.116	0.213	0.426	-0.426
13	0.248	0.214	0.428	-0.428
14	0.138	0.218	0.436	-0.436
15	-0.090	0.219	0.439	-0.439

Barron River Canal Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



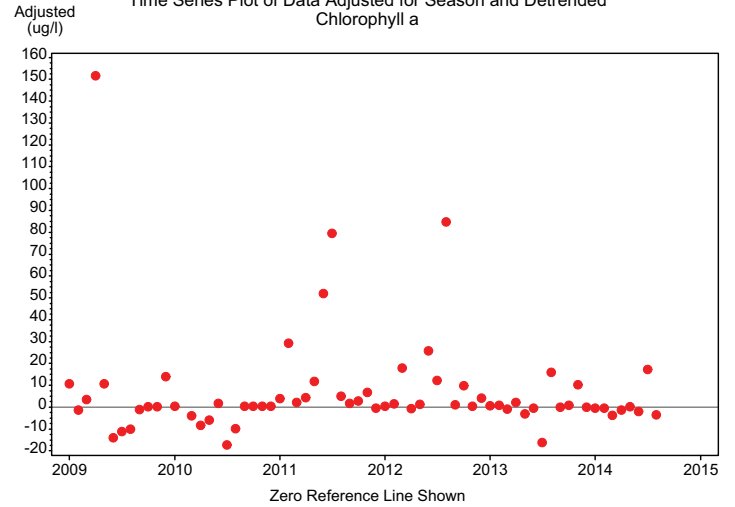
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.097	0.399	0.63	-0.15

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.096774	0.39854	0.62967	-0.15

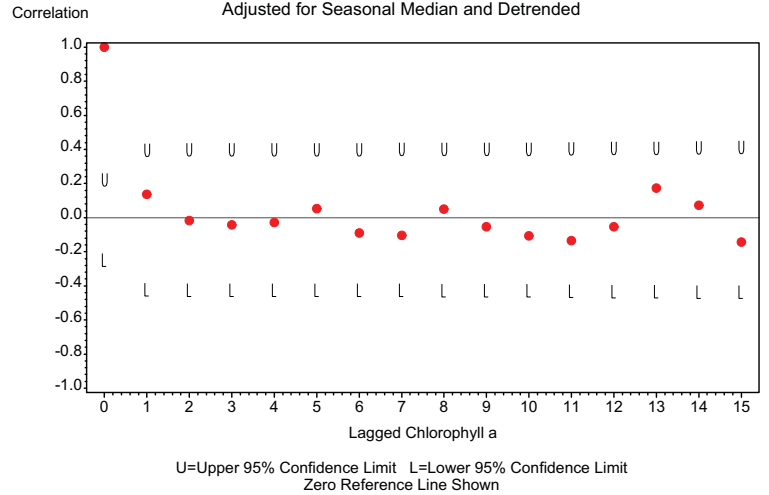
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



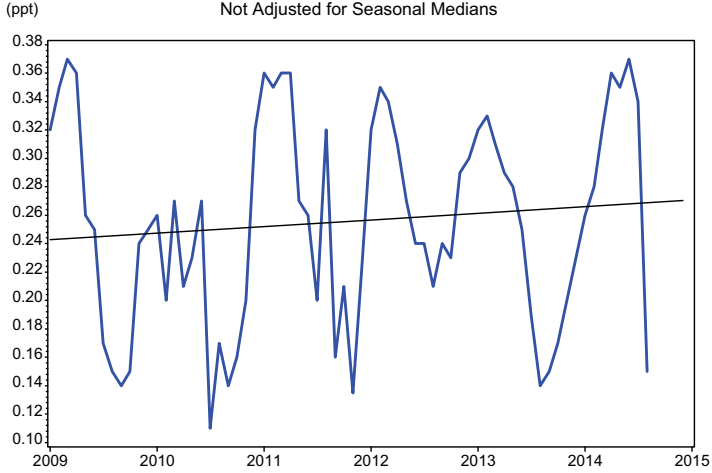
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.136	0.204	0.408	-0.408
2	-0.016	0.205	0.411	-0.411
3	-0.042	0.205	0.411	-0.411
4	-0.029	0.206	0.411	-0.411
5	0.052	0.206	0.411	-0.411
6	-0.089	0.206	0.412	-0.412
7	-0.105	0.206	0.413	-0.413
8	0.051	0.207	0.414	-0.414
9	-0.054	0.207	0.414	-0.414
10	-0.107	0.207	0.415	-0.415
11	-0.135	0.208	0.416	-0.416
12	-0.055	0.209	0.419	-0.419
13	0.172	0.210	0.419	-0.419
14	0.072	0.212	0.423	-0.423
15	-0.143	0.212	0.424	-0.424

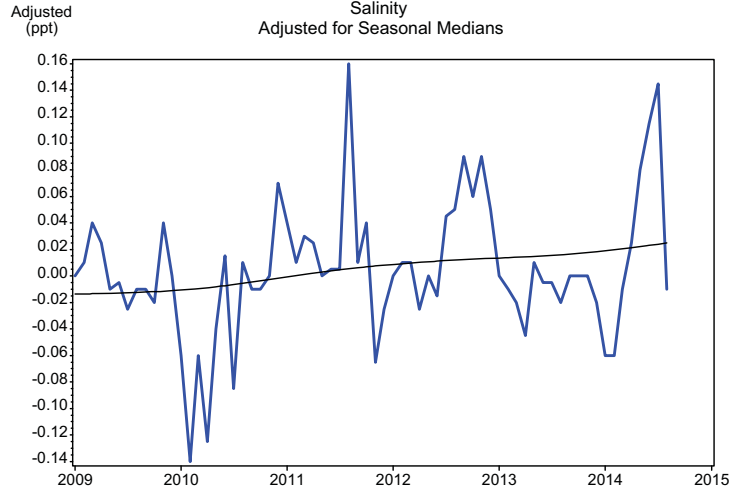
Barron River Canal Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



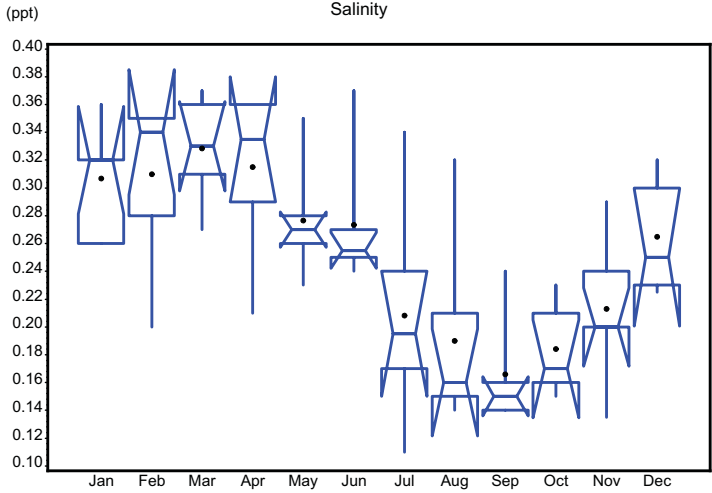
Barron River Canal Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



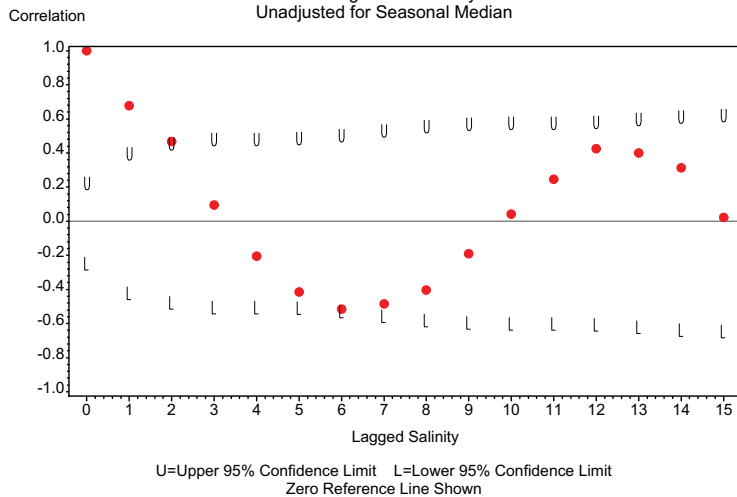
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Salinity



Barron River Canal Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.676	0.204	0.408	-0.408
2	0.467	0.233	0.466	-0.466
3	0.096	0.246	0.492	-0.492
4	-0.204	0.246	0.493	-0.493
5	-0.415	0.249	0.497	-0.497
6	-0.515	0.258	0.516	-0.516
7	-0.486	0.272	0.544	-0.544
8	-0.404	0.284	0.568	-0.568
9	-0.190	0.292	0.583	-0.583
10	0.041	0.293	0.587	-0.587
11	0.246	0.294	0.587	-0.587
12	0.425	0.296	0.593	-0.593
13	0.399	0.305	0.609	-0.609
14	0.314	0.312	0.624	-0.624
15	0.022	0.316	0.633	-0.633

Barron River Canal Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median

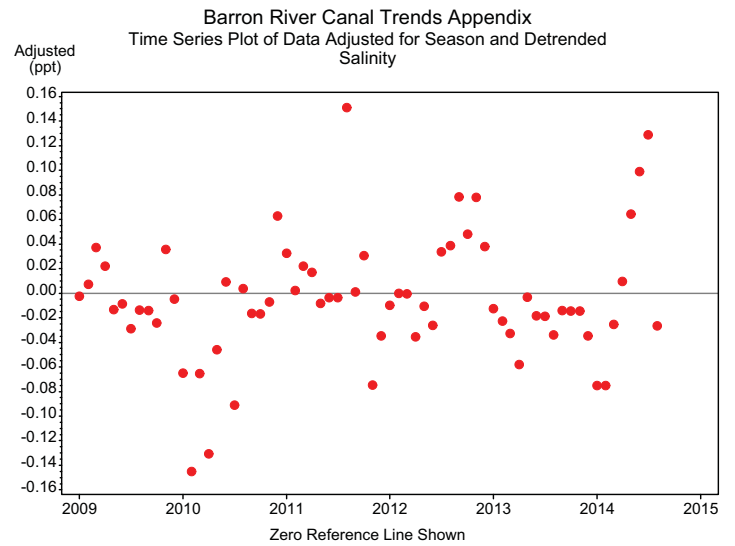


Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.106	0.336	0.53	.003

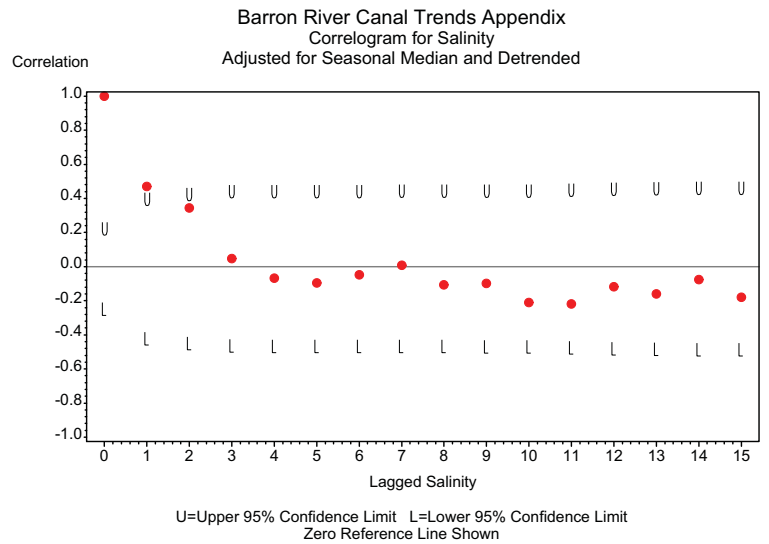
Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.10625	0.33580	0.52976	.0025

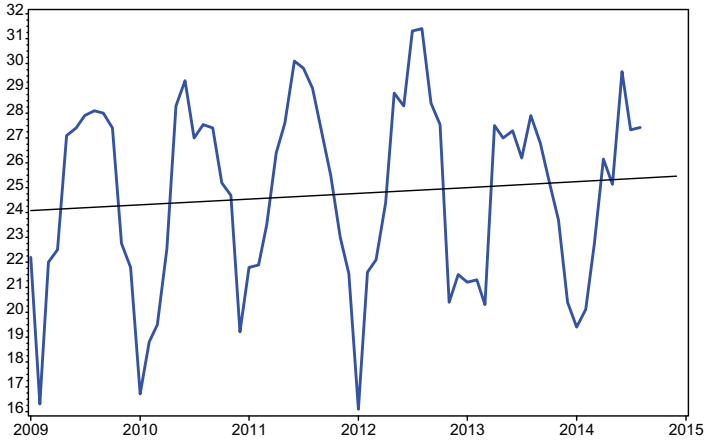


Barron River Canal Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

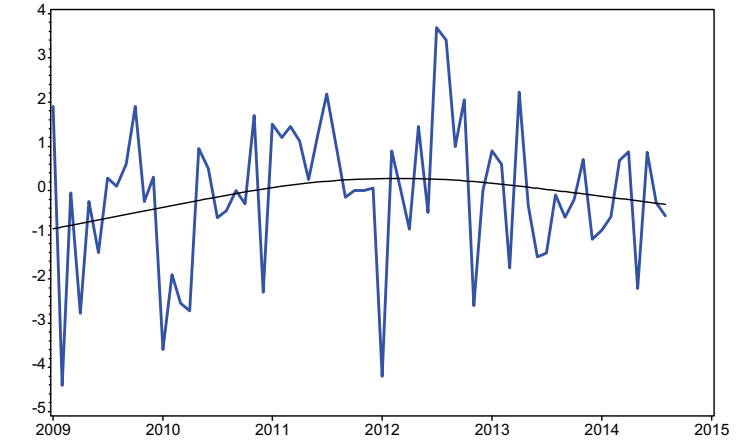
Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.471	0.204	0.408	-0.408
2	0.344	0.219	0.437	-0.437
3	0.048	0.226	0.452	-0.452
4	-0.069	0.226	0.453	-0.453
5	-0.096	0.227	0.453	-0.453
6	-0.048	0.227	0.454	-0.454
7	0.008	0.227	0.455	-0.455
8	-0.107	0.227	0.455	-0.455
9	-0.098	0.228	0.456	-0.456
10	-0.210	0.229	0.457	-0.457
11	-0.220	0.231	0.462	-0.462
12	-0.117	0.234	0.468	-0.468
13	-0.161	0.235	0.470	-0.470
14	-0.077	0.236	0.473	-0.473
15	-0.180	0.237	0.474	-0.474



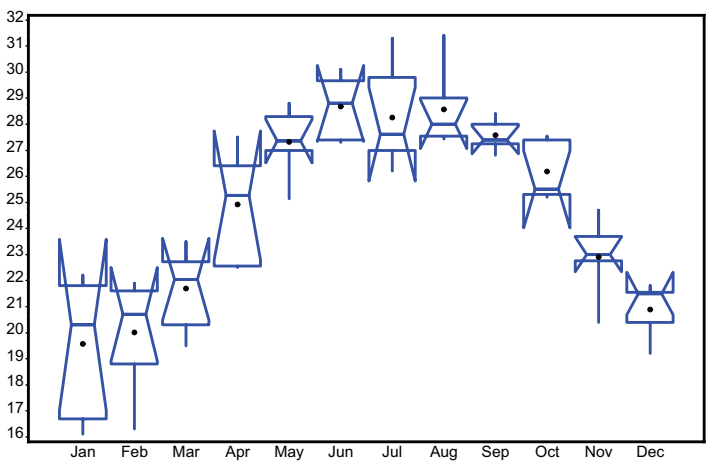
Barron River Canal Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



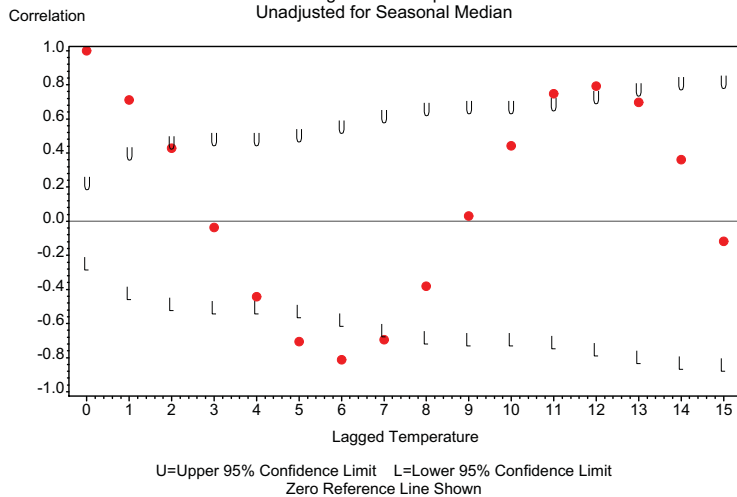
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Temperature



Barron River Canal Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.710	0.204	0.408	-0.408
2	0.428	0.236	0.472	-0.472
3	-0.037	0.246	0.493	-0.493
4	-0.442	0.247	0.493	-0.493
5	-0.706	0.257	0.515	-0.515
6	-0.813	0.283	0.566	-0.566
7	-0.694	0.314	0.627	-0.627
8	-0.381	0.334	0.669	-0.669
9	0.030	0.340	0.681	-0.681
10	0.443	0.340	0.681	-0.681
11	0.746	0.348	0.696	-0.696
12	0.791	0.370	0.740	-0.740
13	0.697	0.393	0.785	-0.785
14	0.360	0.409	0.819	-0.819
15	-0.119	0.414	0.828	-0.828

Barron River Canal Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



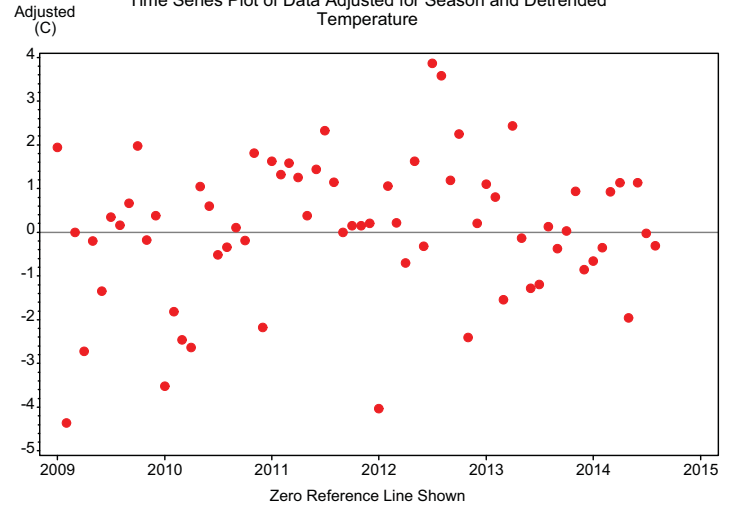
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.038	0.77	0.85	-0.041

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.0375	0.77034	0.84982	-0.040625

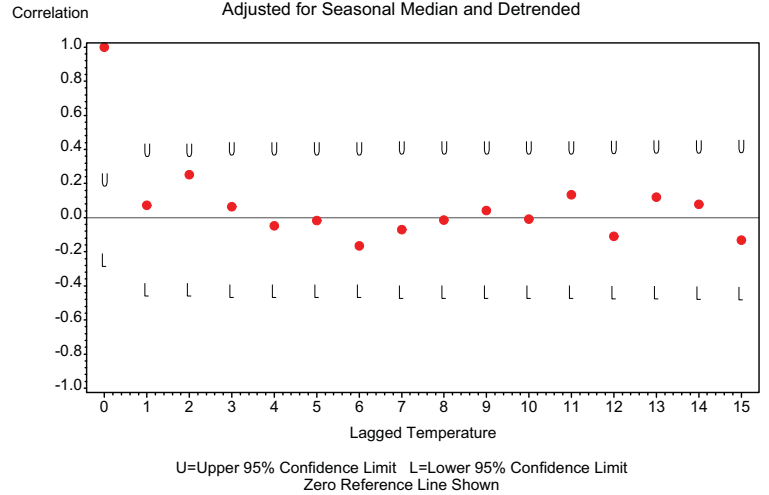
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



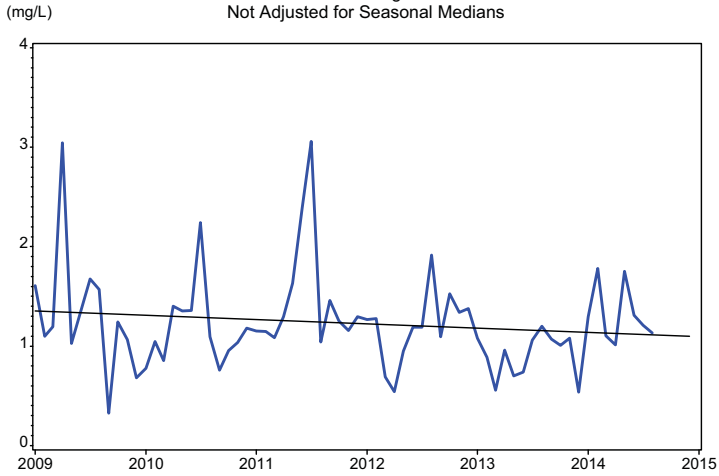
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.072	0.204	0.408	-0.408
2	0.251	0.204	0.409	-0.409
3	0.064	0.209	0.417	-0.417
4	-0.048	0.209	0.418	-0.418
5	-0.016	0.209	0.418	-0.418
6	-0.166	0.209	0.418	-0.418
7	-0.070	0.211	0.422	-0.422
8	-0.014	0.211	0.423	-0.423
9	0.041	0.211	0.423	-0.423
10	-0.008	0.211	0.423	-0.423
11	0.134	0.211	0.423	-0.423
12	-0.109	0.213	0.425	-0.425
13	0.121	0.213	0.427	-0.427
14	0.079	0.214	0.429	-0.429
15	-0.132	0.215	0.430	-0.430

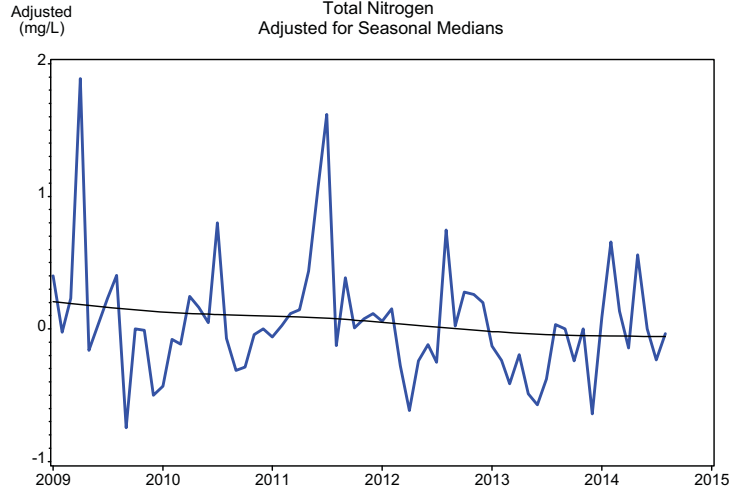
Barron River Canal Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



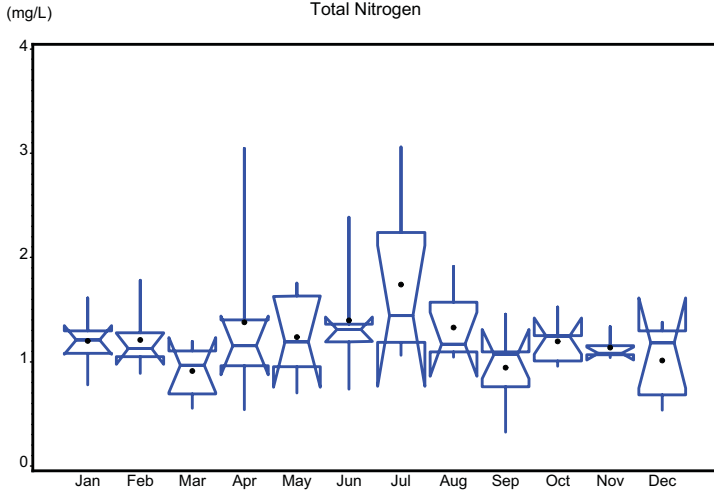
Barron River Canal Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



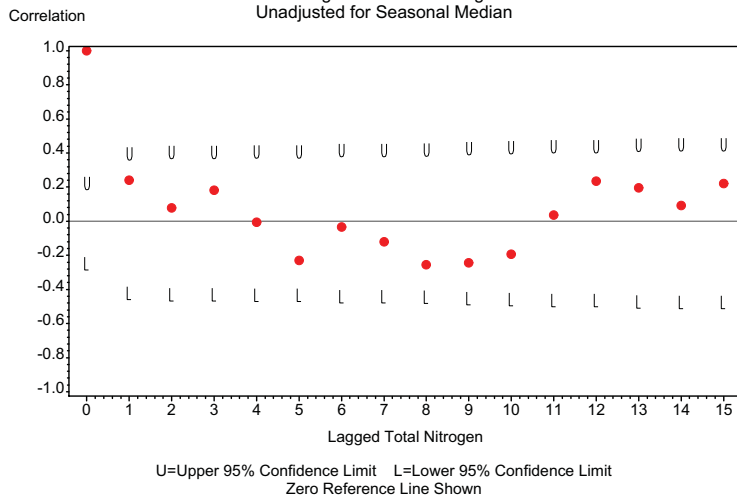
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Barron River Canal Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.241	0.204	0.408	-0.408
2	0.078	0.208	0.416	-0.416
3	0.182	0.208	0.417	-0.417
4	-0.007	0.211	0.421	-0.421
5	-0.231	0.211	0.421	-0.421
6	-0.034	0.214	0.428	-0.428
7	-0.122	0.214	0.428	-0.428
8	-0.254	0.215	0.430	-0.430
9	-0.244	0.219	0.439	-0.439
10	-0.194	0.223	0.446	-0.446
11	0.036	0.225	0.451	-0.451
12	0.236	0.225	0.451	-0.451
13	0.196	0.229	0.458	-0.458
14	0.091	0.231	0.462	-0.462
15	0.221	0.232	0.463	-0.463

Barron River Canal Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



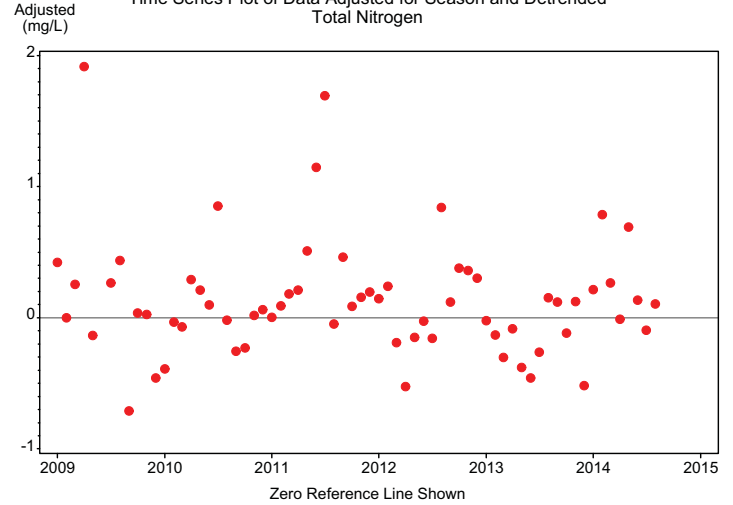
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.032	0.812	0.889	-0.021

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.032258	0.81162	0.88942	-0.021

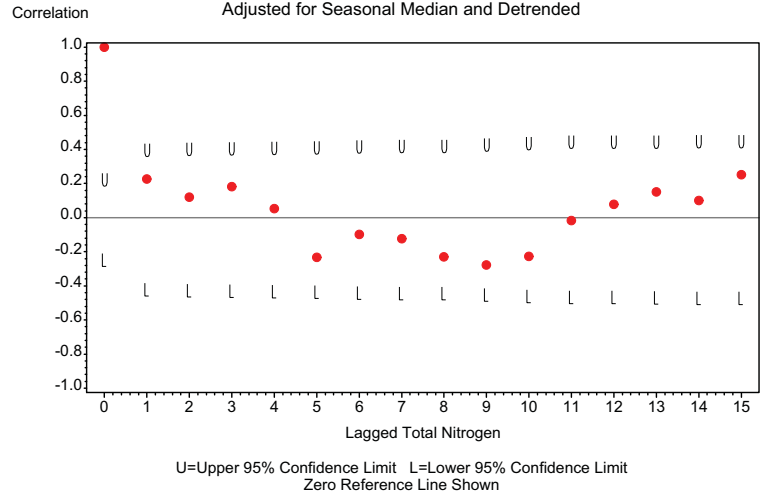
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



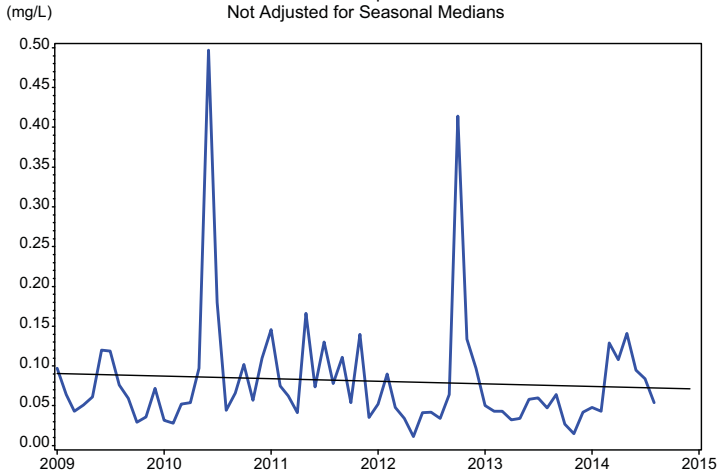
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.226	0.204	0.408	-0.408
2	0.120	0.208	0.415	-0.415
3	0.181	0.209	0.417	-0.417
4	0.052	0.211	0.421	-0.421
5	-0.233	0.211	0.422	-0.422
6	-0.099	0.214	0.429	-0.429
7	-0.124	0.215	0.430	-0.430
8	-0.231	0.216	0.432	-0.432
9	-0.278	0.219	0.439	-0.439
10	-0.227	0.224	0.449	-0.449
11	-0.018	0.227	0.455	-0.455
12	0.077	0.227	0.455	-0.455
13	0.150	0.228	0.456	-0.456
14	0.100	0.229	0.458	-0.458
15	0.251	0.230	0.460	-0.460

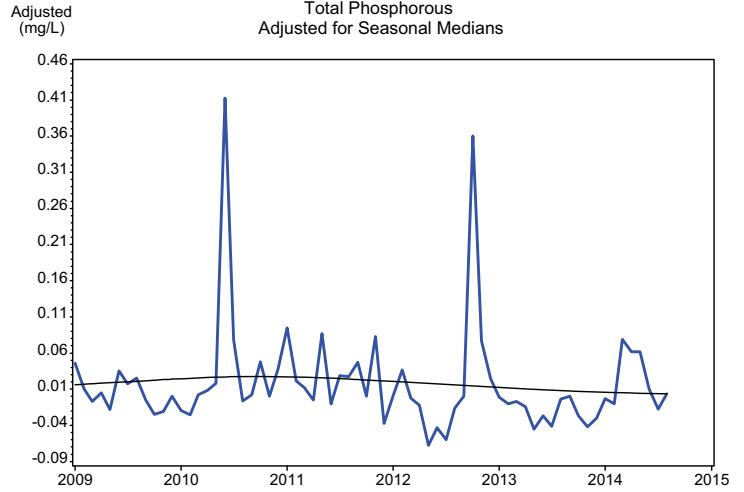
Barron River Canal Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



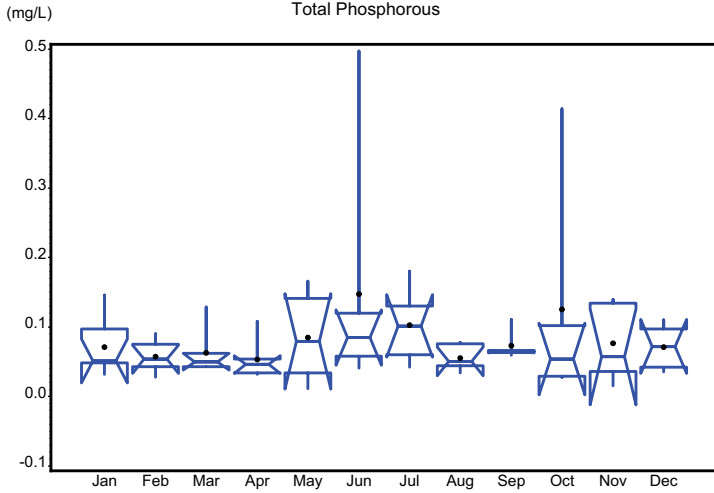
Barron River Canal Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



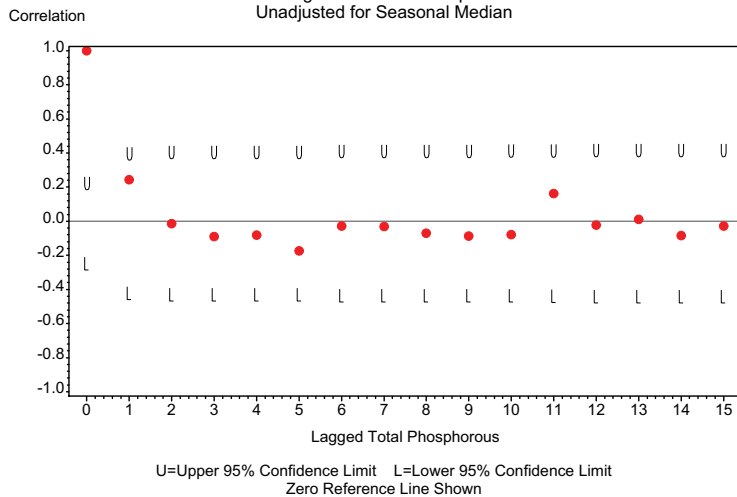
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Barron River Canal Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.242	0.204	0.408	-0.408
2	-0.014	0.208	0.416	-0.416
3	-0.089	0.208	0.416	-0.416
4	-0.083	0.209	0.417	-0.417
5	-0.175	0.209	0.418	-0.418
6	-0.029	0.211	0.422	-0.422
7	-0.030	0.211	0.422	-0.422
8	-0.070	0.211	0.422	-0.422
9	-0.086	0.212	0.423	-0.423
10	-0.079	0.212	0.424	-0.424
11	0.163	0.212	0.425	-0.425
12	-0.022	0.214	0.428	-0.428
13	0.012	0.214	0.428	-0.428
14	-0.085	0.214	0.428	-0.428
15	-0.029	0.215	0.429	-0.429

Barron River Canal Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



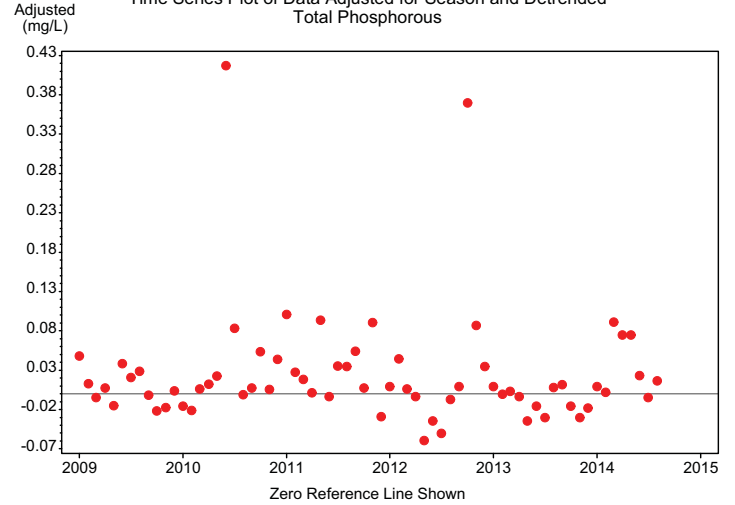
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.094	0.411	0.627	-0.002

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.09375	0.41128	0.62680	-.002

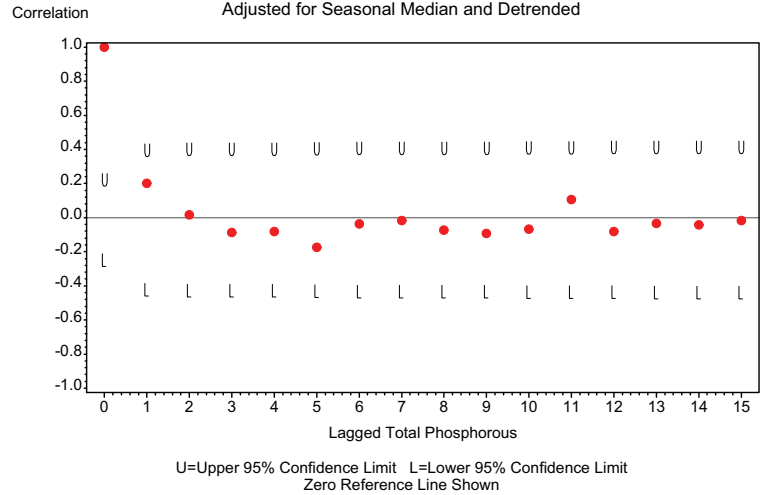
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



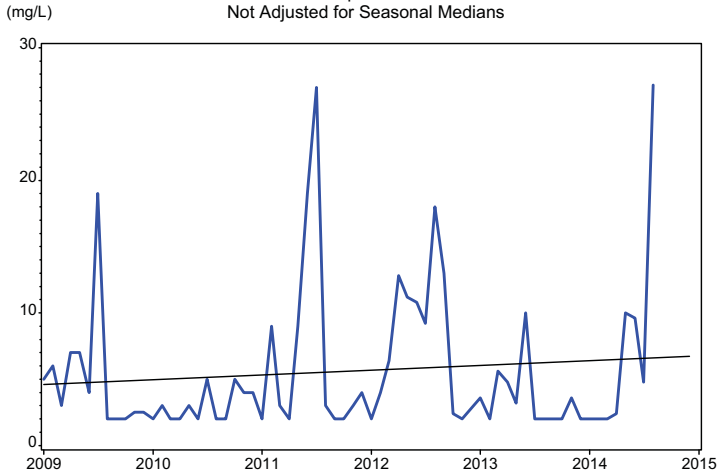
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.200	0.204	0.408	-0.408
2	0.015	0.207	0.414	-0.414
3	-0.087	0.207	0.414	-0.414
4	-0.082	0.207	0.415	-0.415
5	-0.173	0.208	0.416	-0.416
6	-0.037	0.210	0.420	-0.420
7	-0.016	0.210	0.420	-0.420
8	-0.072	0.210	0.420	-0.420
9	-0.092	0.210	0.420	-0.420
10	-0.069	0.211	0.422	-0.422
11	0.107	0.211	0.422	-0.422
12	-0.082	0.212	0.424	-0.424
13	-0.035	0.212	0.425	-0.425
14	-0.043	0.212	0.425	-0.425
15	-0.018	0.213	0.425	-0.425

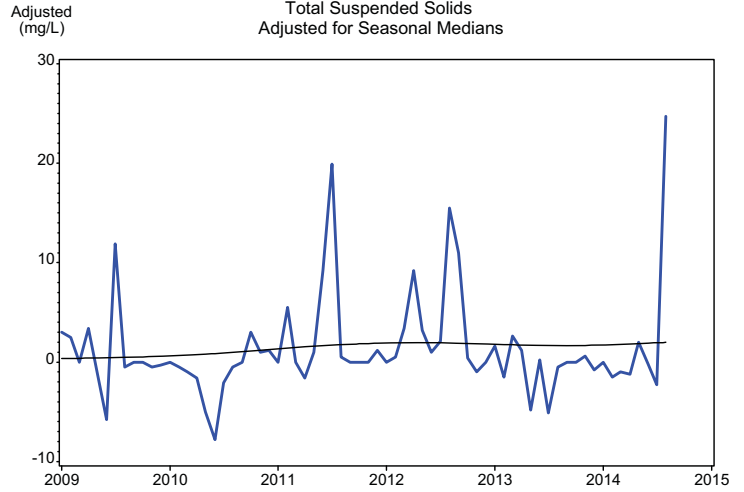
Barron River Canal Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



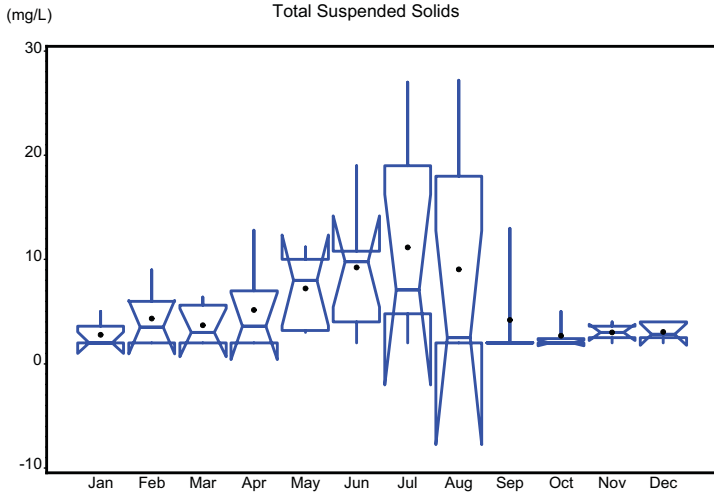
Barron River Canal Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



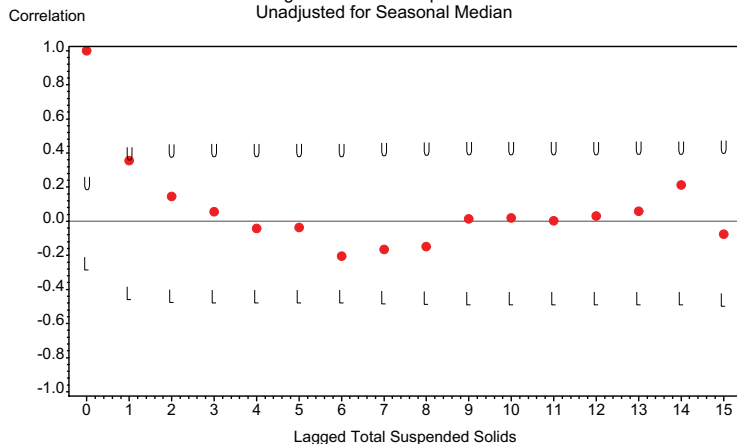
Barron River Canal Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Barron River Canal Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.354	0.204	0.408	-0.408
2	0.144	0.213	0.425	-0.425
3	0.056	0.214	0.428	-0.428
4	-0.043	0.214	0.428	-0.428
5	-0.037	0.214	0.428	-0.428
6	-0.206	0.214	0.429	-0.429
7	-0.165	0.217	0.434	-0.434
8	-0.150	0.219	0.437	-0.437
9	0.014	0.220	0.440	-0.440
10	0.018	0.220	0.440	-0.440
11	0.001	0.220	0.440	-0.440
12	0.031	0.220	0.440	-0.440
13	0.059	0.220	0.441	-0.441
14	0.211	0.220	0.441	-0.441
15	-0.076	0.223	0.447	-0.447

Barron River Canal Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

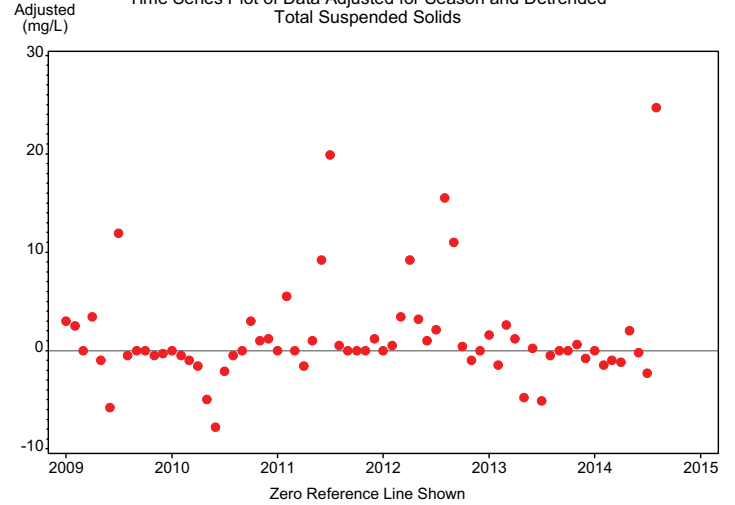
Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.031	0.805	0.846	0

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.03125	0.80542	0.84639	0

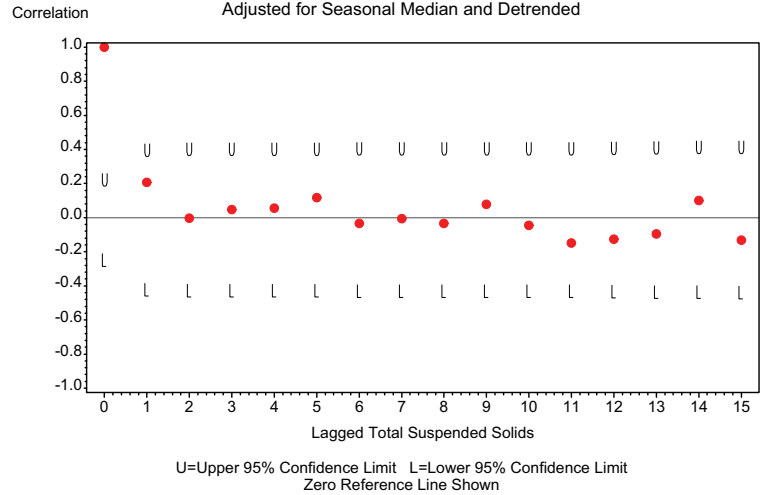
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



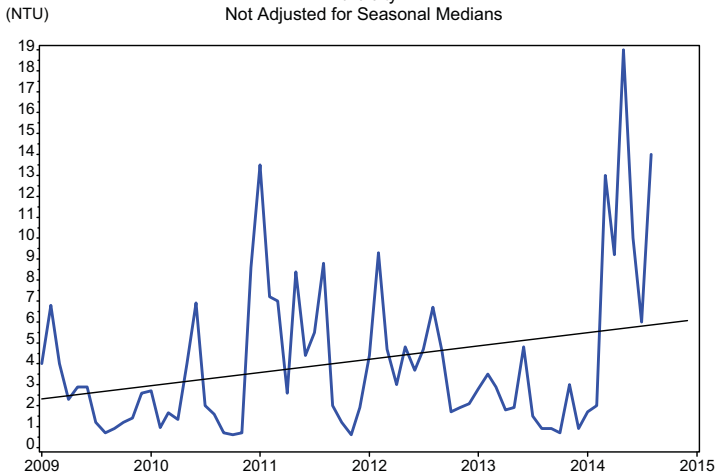
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.206	0.204	0.408	-0.408
2	-0.003	0.207	0.414	-0.414
3	0.046	0.207	0.414	-0.414
4	0.056	0.207	0.414	-0.414
5	0.117	0.207	0.415	-0.415
6	-0.034	0.208	0.417	-0.417
7	-0.007	0.208	0.417	-0.417
8	-0.035	0.208	0.417	-0.417
9	0.079	0.208	0.417	-0.417
10	-0.044	0.209	0.418	-0.418
11	-0.150	0.209	0.418	-0.418
12	-0.127	0.210	0.421	-0.421
13	-0.097	0.212	0.423	-0.423
14	0.099	0.212	0.424	-0.424
15	-0.133	0.213	0.426	-0.426

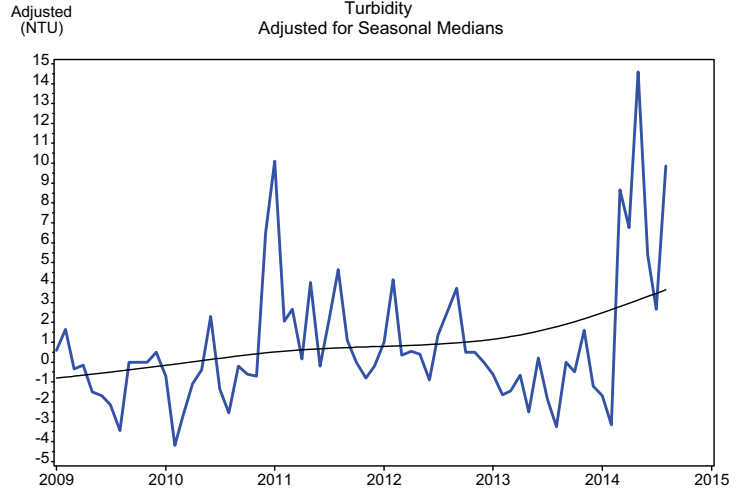
Barron River Canal Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



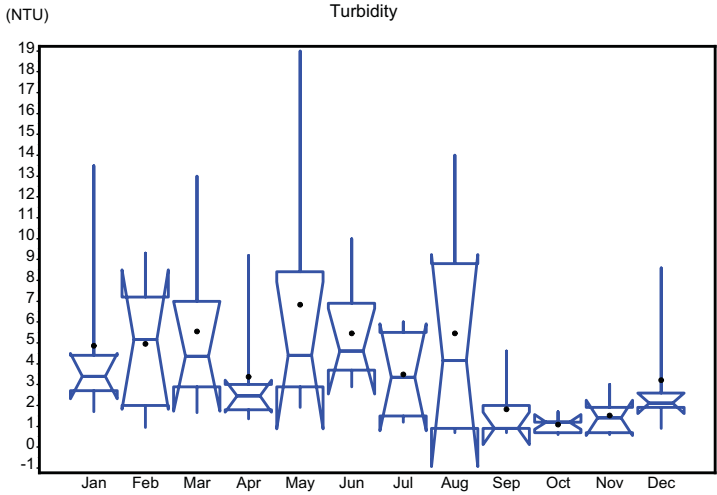
Barron River Canal Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



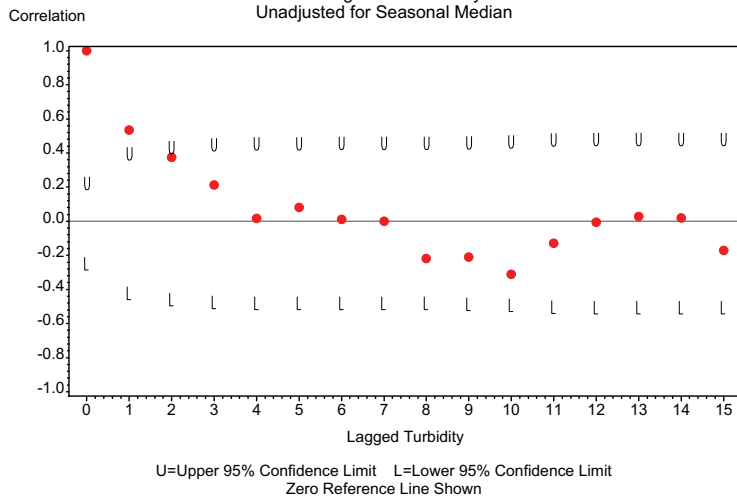
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Turbidity



Barron River Canal Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.534	0.204	0.408	-0.408
2	0.374	0.223	0.445	-0.445
3	0.212	0.231	0.462	-0.462
4	0.017	0.234	0.468	-0.468
5	0.080	0.234	0.468	-0.468
6	0.010	0.234	0.469	-0.469
7	0.000	0.234	0.469	-0.469
8	-0.218	0.234	0.469	-0.469
9	-0.210	0.237	0.474	-0.474
10	-0.312	0.240	0.479	-0.479
11	-0.130	0.245	0.491	-0.491
12	-0.007	0.246	0.492	-0.492
13	0.027	0.246	0.492	-0.492
14	0.019	0.246	0.492	-0.492
15	-0.171	0.246	0.493	-0.493

Barron River Canal Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



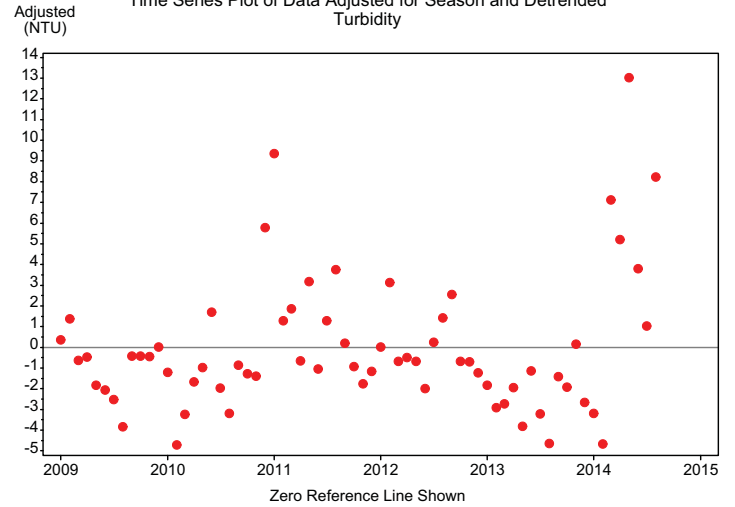
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.213	0.053	0.299	0.248

Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2125	0.053189	0.29862	0.24792

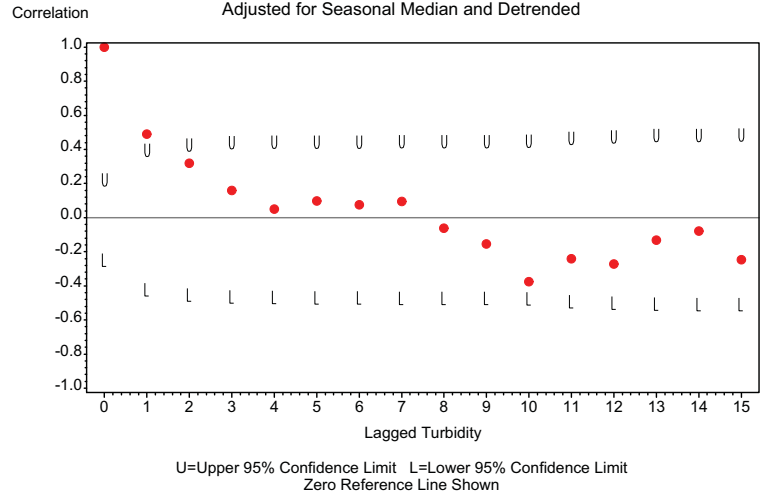
Barron River Canal Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Turbidity



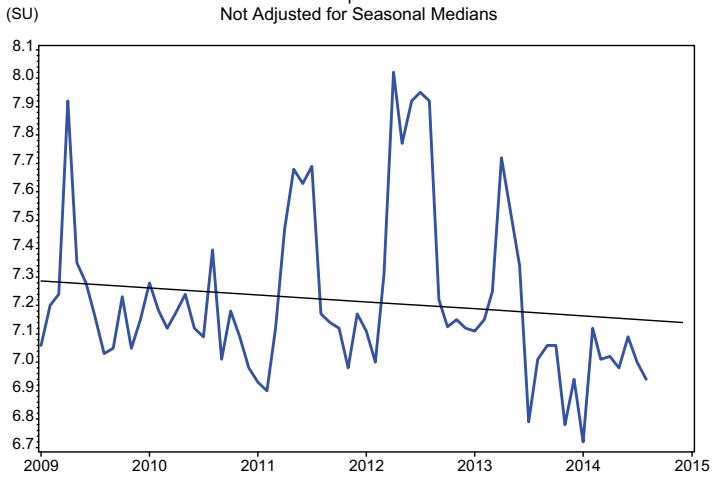
Barron River Canal Trends Appendix
Autocorrelation Statistics for Turbidity
Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.490	0.204	0.408	-0.408
2	0.318	0.220	0.440	-0.440
3	0.159	0.226	0.452	-0.452
4	0.050	0.228	0.455	-0.455
5	0.098	0.228	0.456	-0.456
6	0.074	0.228	0.457	-0.457
7	0.096	0.229	0.458	-0.458
8	-0.061	0.229	0.459	-0.459
9	-0.154	0.230	0.459	-0.459
10	-0.377	0.231	0.462	-0.462
11	-0.242	0.239	0.479	-0.479
12	-0.272	0.243	0.486	-0.486
13	-0.131	0.247	0.494	-0.494
14	-0.078	0.248	0.496	-0.496
15	-0.246	0.248	0.497	-0.497

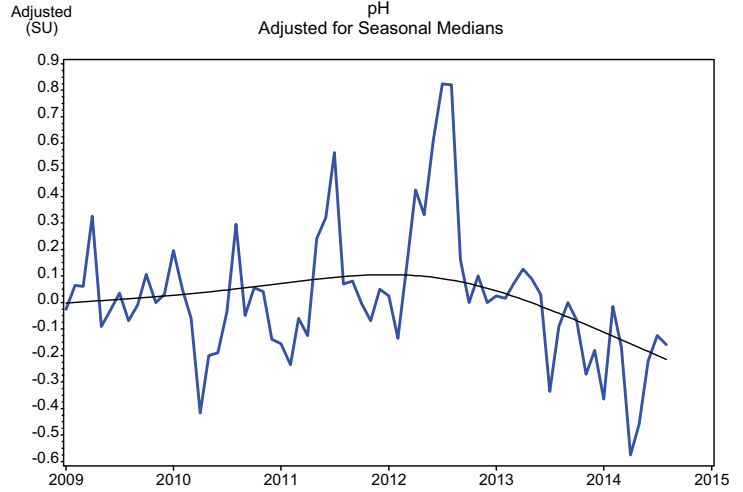
Barron River Canal Trends Appendix
Correlogram for Turbidity
Adjusted for Seasonal Median and Detrended



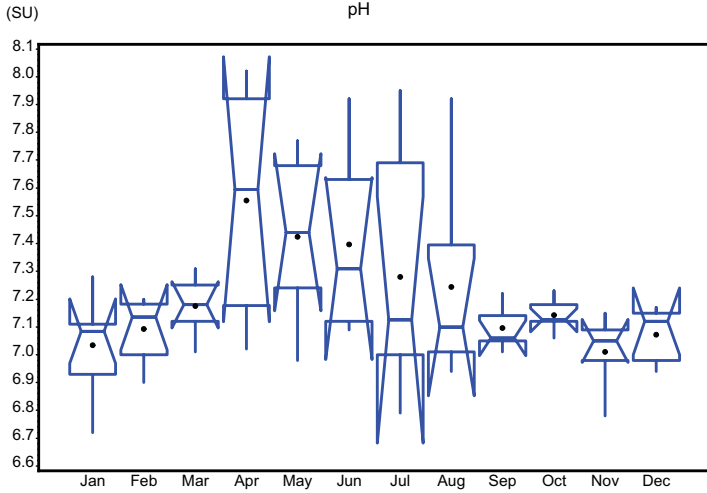
Barron River Canal Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



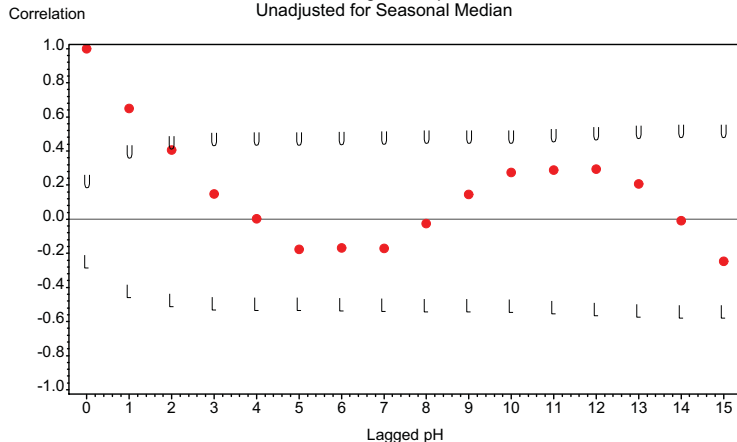
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
pH



Barron River Canal Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.650	0.204	0.408	-0.408
2	0.405	0.231	0.462	-0.462
3	0.147	0.241	0.481	-0.481
4	0.002	0.242	0.484	-0.484
5	-0.178	0.242	0.484	-0.484
6	-0.169	0.244	0.488	-0.488
7	-0.170	0.245	0.491	-0.491
8	-0.026	0.247	0.494	-0.494
9	0.144	0.247	0.494	-0.494
10	0.274	0.248	0.496	-0.496
11	0.287	0.252	0.505	-0.505
12	0.294	0.257	0.514	-0.514
13	0.206	0.262	0.523	-0.523
14	-0.008	0.264	0.528	-0.528
15	-0.246	0.264	0.528	-0.528

Barron River Canal Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

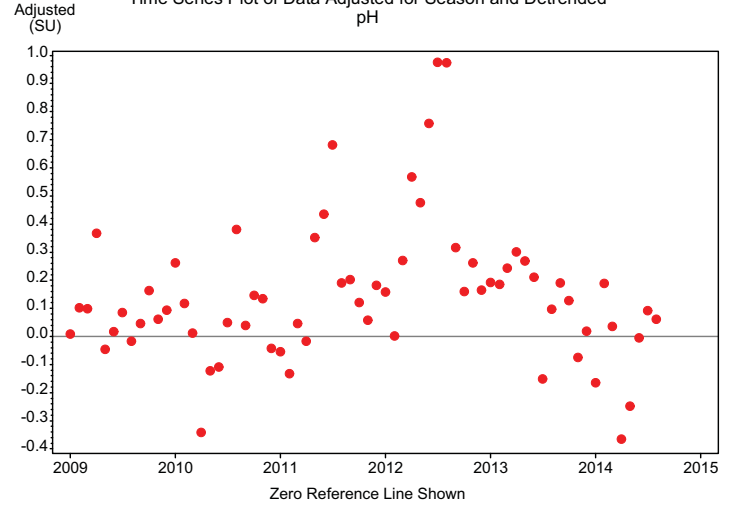
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.213	0.053	0.32	-0.034

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2125	0.053189	0.32018	-0.0335

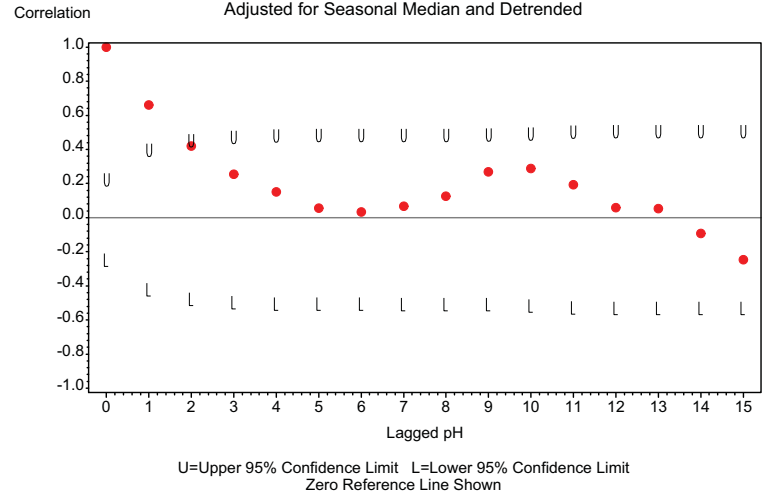
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



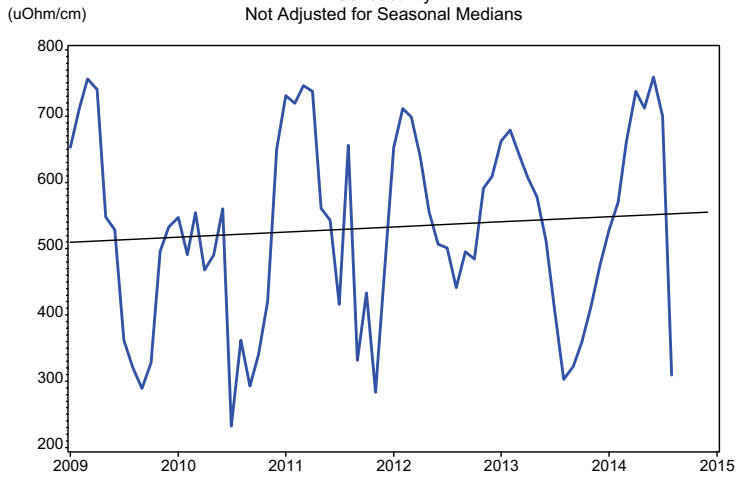
Barron River Canal Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.659	0.204	0.408	-0.408
2	0.420	0.232	0.464	-0.464
3	0.254	0.242	0.484	-0.484
4	0.150	0.246	0.492	-0.492
5	0.055	0.247	0.494	-0.494
6	0.034	0.247	0.494	-0.494
7	0.066	0.247	0.495	-0.495
8	0.125	0.248	0.495	-0.495
9	0.267	0.248	0.497	-0.497
10	0.287	0.252	0.505	-0.505
11	0.193	0.257	0.514	-0.514
12	0.058	0.259	0.518	-0.518
13	0.054	0.259	0.518	-0.518
14	-0.092	0.259	0.518	-0.518
15	-0.246	0.260	0.519	-0.519

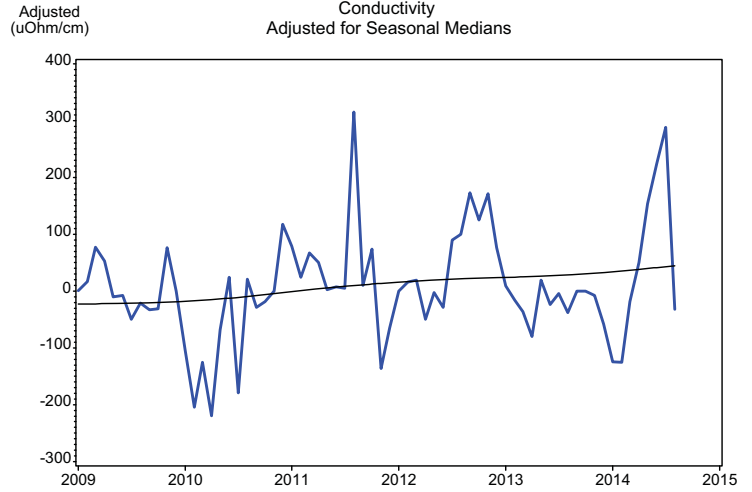
Barron River Canal Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



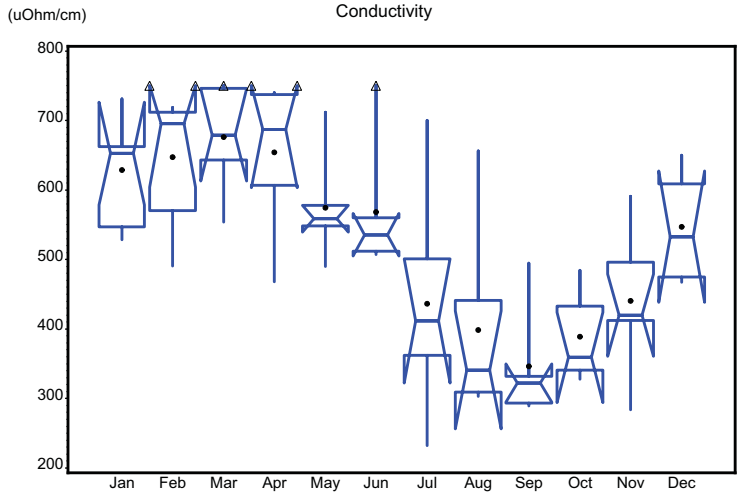
Barron River Canal Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



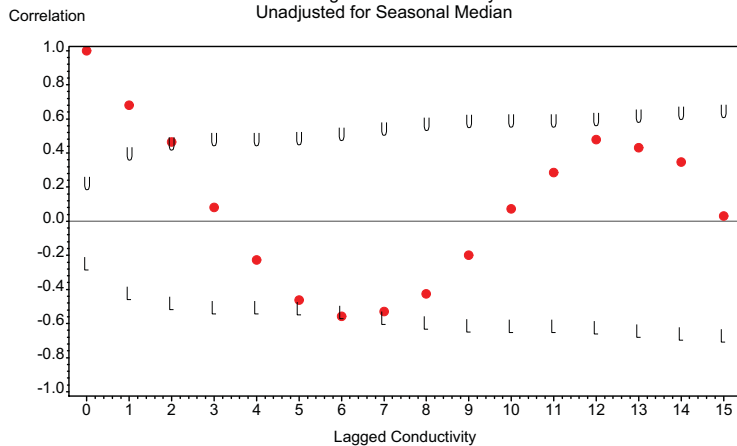
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Conductivity



Barron River Canal Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.681	0.204	0.408	-0.408
2	0.465	0.234	0.467	-0.467
3	0.082	0.246	0.492	-0.492
4	-0.228	0.246	0.493	-0.493
5	-0.462	0.249	0.499	-0.499
6	-0.559	0.261	0.522	-0.522
7	-0.529	0.277	0.554	-0.554
8	-0.425	0.291	0.582	-0.582
9	-0.198	0.299	0.599	-0.599
10	0.072	0.301	0.602	-0.602
11	0.286	0.301	0.603	-0.603
12	0.477	0.305	0.610	-0.610
13	0.432	0.315	0.631	-0.631
14	0.346	0.323	0.647	-0.647
15	0.031	0.328	0.657	-0.657

Barron River Canal Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

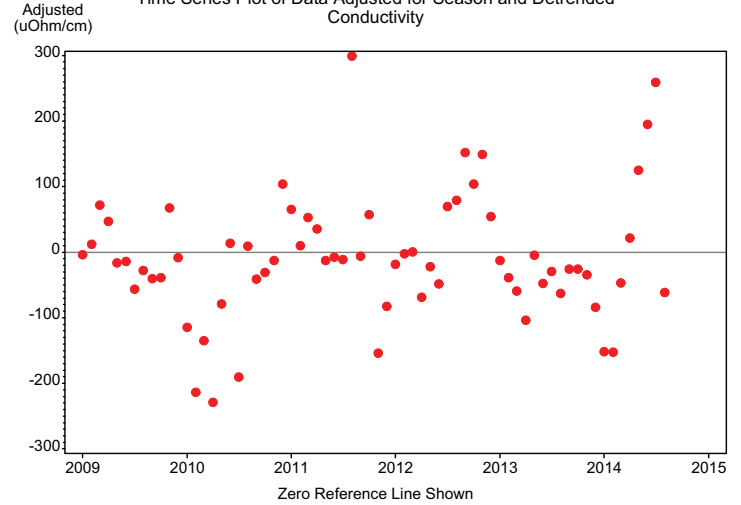
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.069	0.559	0.666	4.5

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.06875	0.55863	0.66608	4.5

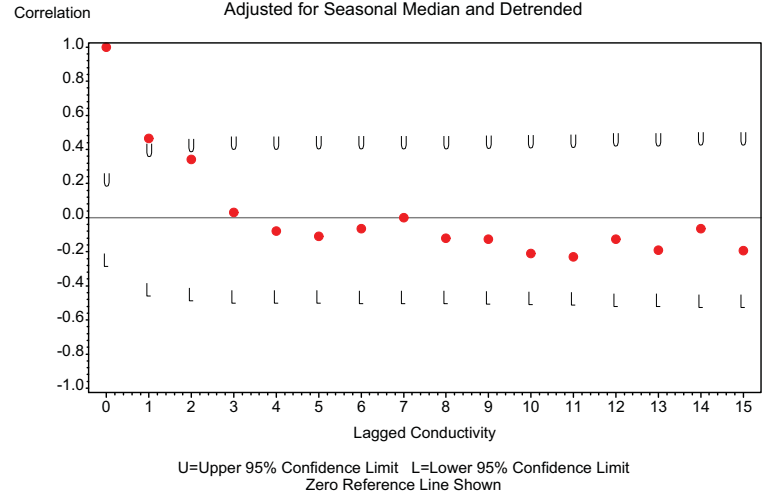
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



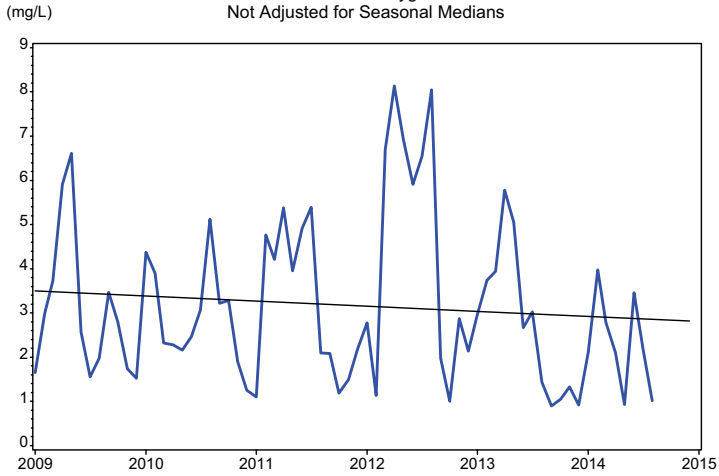
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.465	0.204	0.408	-0.408
2	0.342	0.218	0.437	-0.437
3	0.030	0.226	0.451	-0.451
4	-0.079	0.226	0.451	-0.451
5	-0.110	0.226	0.452	-0.452
6	-0.064	0.227	0.454	-0.454
7	0.000	0.227	0.454	-0.454
8	-0.120	0.227	0.454	-0.454
9	-0.127	0.228	0.456	-0.456
10	-0.210	0.229	0.458	-0.458
11	-0.231	0.232	0.463	-0.463
12	-0.127	0.235	0.470	-0.470
13	-0.191	0.236	0.471	-0.471
14	-0.066	0.238	0.476	-0.476
15	-0.193	0.238	0.476	-0.476

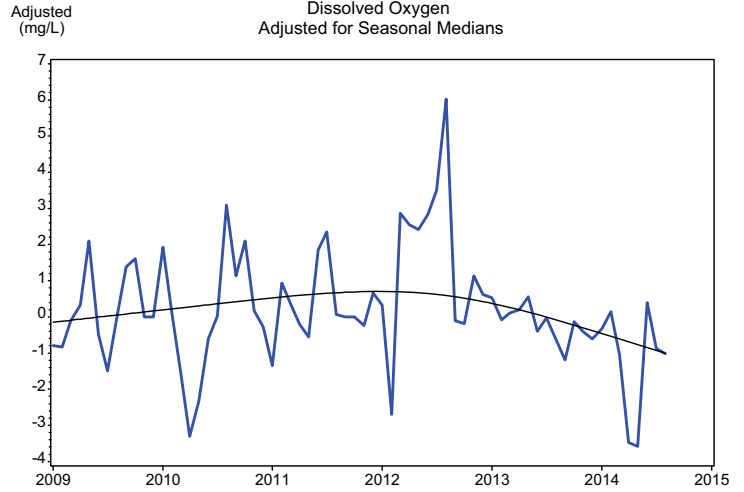
Barron River Canal Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



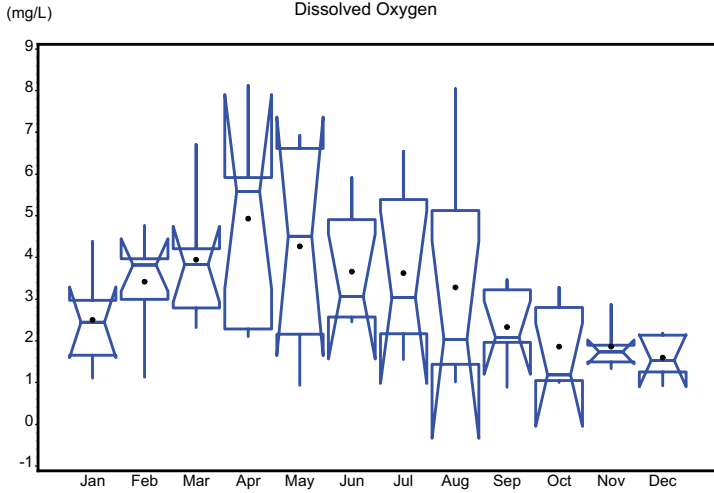
Barron River Canal Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Adjusted for Seasonal Medians



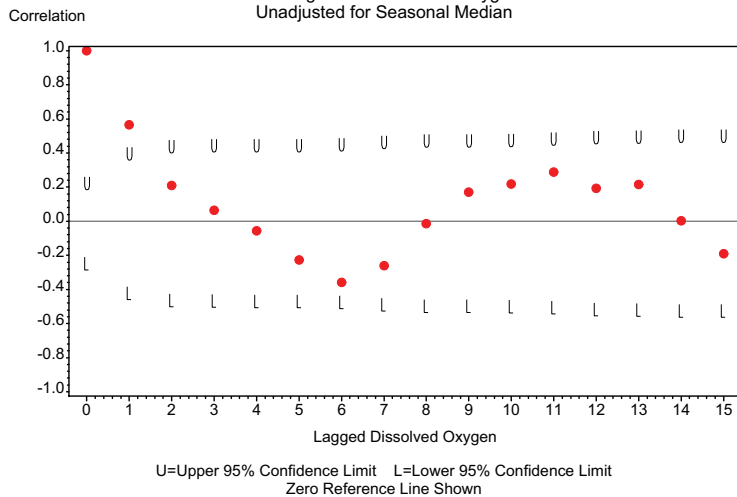
Barron River Canal Trends Appendix
 Seasonal Univariate Statistics
 Dissolved Oxygen



Barron River Canal Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.566	0.204	0.408	-0.408
2	0.209	0.225	0.450	-0.450
3	0.064	0.228	0.455	-0.455
4	-0.057	0.228	0.456	-0.456
5	-0.227	0.228	0.456	-0.456
6	-0.358	0.231	0.462	-0.462
7	-0.260	0.239	0.477	-0.477
8	-0.014	0.243	0.485	-0.485
9	0.169	0.243	0.485	-0.485
10	0.218	0.244	0.488	-0.488
11	0.287	0.247	0.494	-0.494
12	0.192	0.251	0.503	-0.503
13	0.216	0.253	0.507	-0.507
14	0.002	0.256	0.512	-0.512
15	-0.191	0.256	0.512	-0.512

Barron River Canal Trends Appendix
 Correlogram for Dissolved Oxygen
 Unadjusted for Seasonal Median



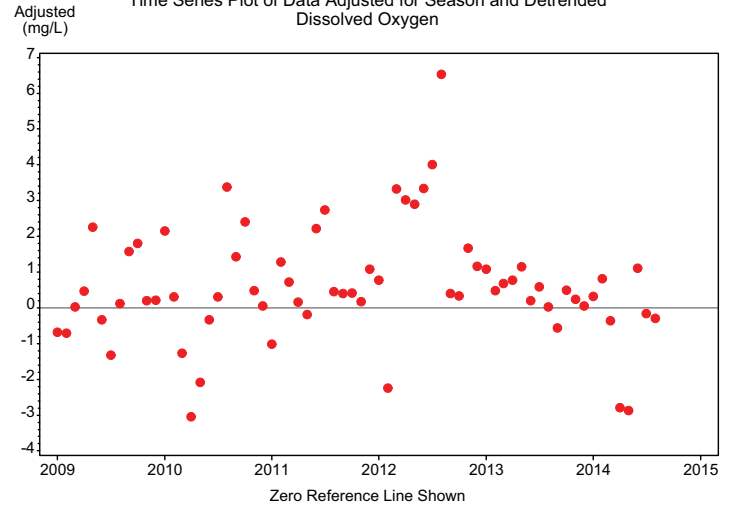
Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.125	0.267	0.406	-0.11

Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.125	0.26727	0.40593	-0.11

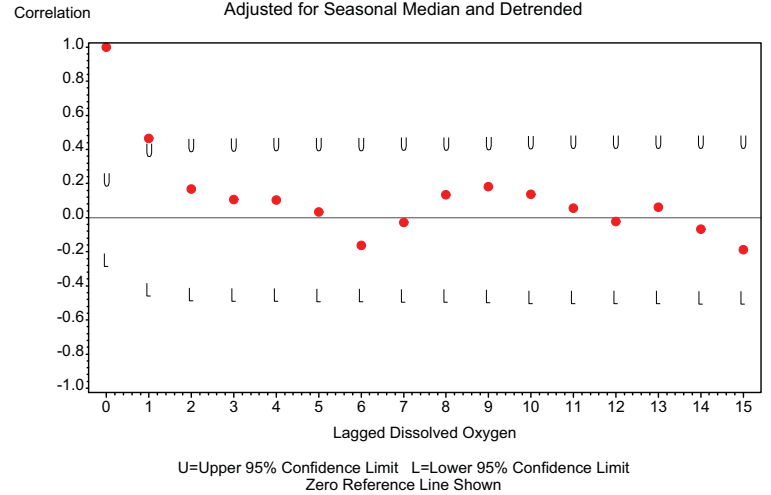
Barron River Canal Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Dissolved Oxygen



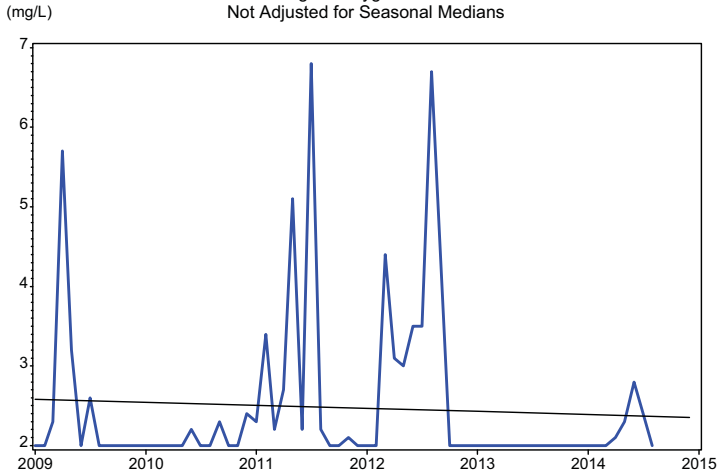
Barron River Canal Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.463	0.204	0.408	-0.408
2	0.167	0.218	0.436	-0.436
3	0.106	0.220	0.440	-0.440
4	0.104	0.221	0.441	-0.441
5	0.033	0.221	0.443	-0.443
6	-0.164	0.221	0.443	-0.443
7	-0.028	0.223	0.446	-0.446
8	0.135	0.223	0.446	-0.446
9	0.181	0.224	0.449	-0.449
10	0.137	0.226	0.453	-0.453
11	0.056	0.227	0.455	-0.455
12	-0.024	0.228	0.455	-0.455
13	0.062	0.228	0.455	-0.455
14	-0.067	0.228	0.456	-0.456
15	-0.187	0.228	0.456	-0.456

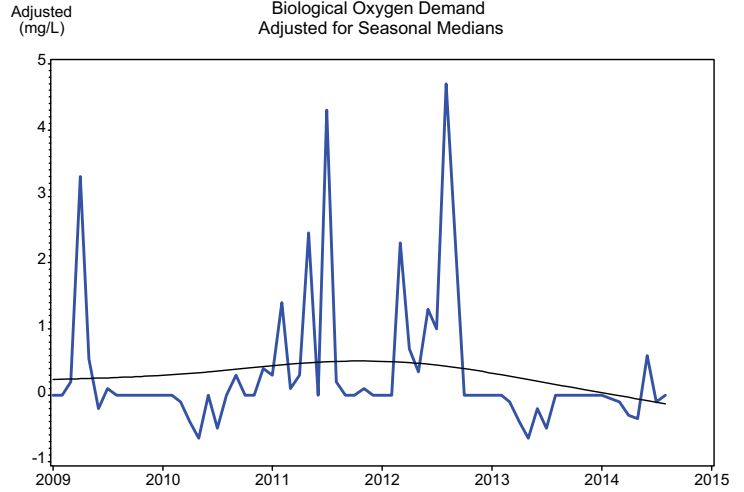
Barron River Canal Trends Appendix
Correlogram for Dissolved Oxygen
Adjusted for Seasonal Median and Detrended



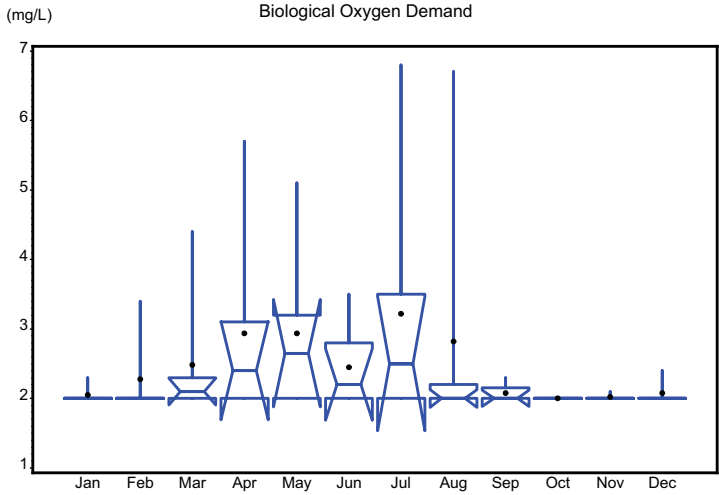
Barron River Canal Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



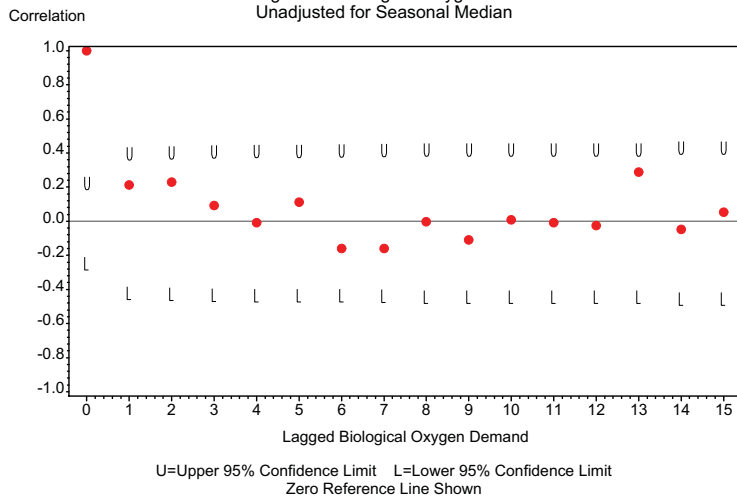
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Barron River Canal Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.211	0.204	0.408	-0.408
2	0.230	0.207	0.414	-0.414
3	0.092	0.211	0.421	-0.421
4	-0.008	0.211	0.422	-0.422
5	0.112	0.211	0.422	-0.422
6	-0.160	0.212	0.424	-0.424
7	-0.159	0.214	0.427	-0.427
8	-0.004	0.215	0.431	-0.431
9	-0.110	0.215	0.431	-0.431
10	0.007	0.216	0.432	-0.432
11	-0.009	0.216	0.432	-0.432
12	-0.026	0.216	0.432	-0.432
13	0.289	0.216	0.432	-0.432
14	-0.047	0.221	0.443	-0.443
15	0.054	0.222	0.443	-0.443

Barron River Canal Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



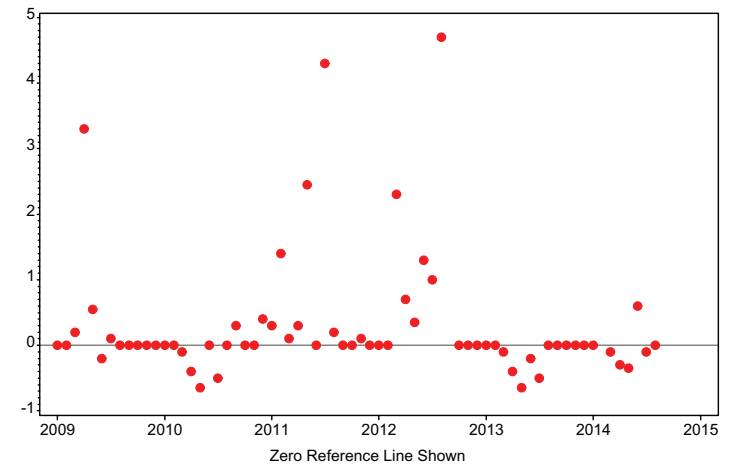
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.079	0.429	0.686	0

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.079470	0.42888	0.68581	0

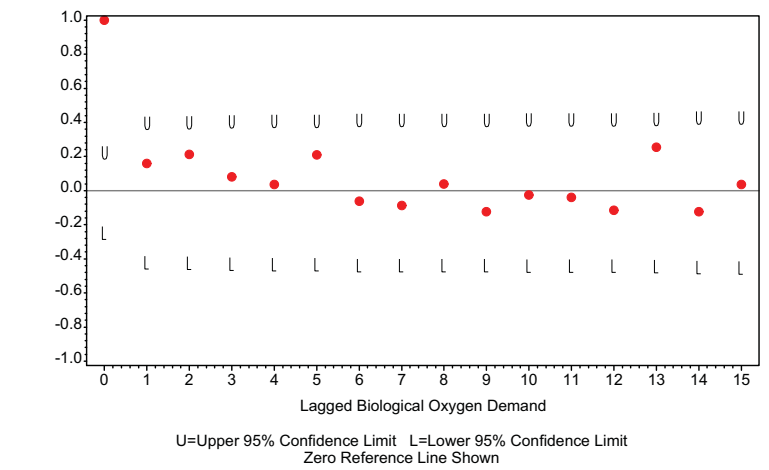
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



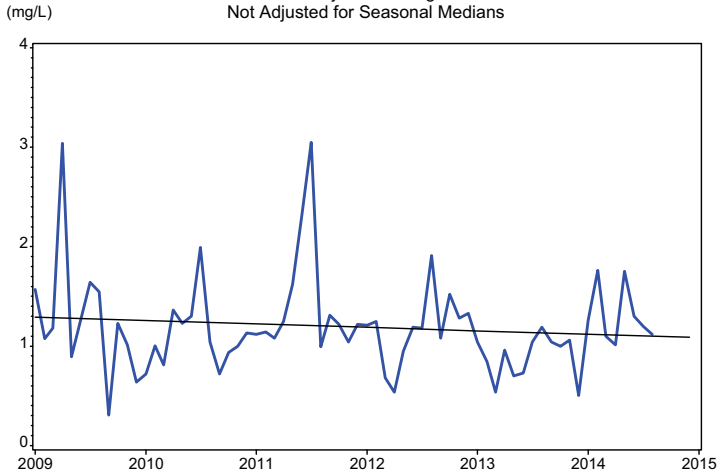
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.158	0.204	0.408	-0.408
2	0.211	0.206	0.412	-0.412
3	0.082	0.209	0.418	-0.418
4	0.037	0.209	0.419	-0.419
5	0.210	0.209	0.419	-0.419
6	-0.062	0.212	0.425	-0.425
7	-0.087	0.213	0.425	-0.425
8	0.040	0.213	0.426	-0.426
9	-0.125	0.213	0.426	-0.426
10	-0.026	0.214	0.428	-0.428
11	-0.041	0.214	0.428	-0.428
12	-0.114	0.214	0.429	-0.429
13	0.253	0.215	0.430	-0.430
14	-0.124	0.219	0.438	-0.438
15	0.037	0.220	0.440	-0.440

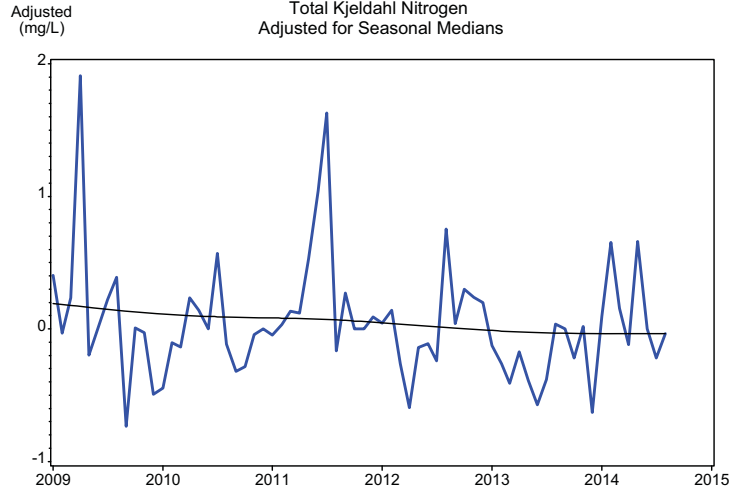
Barron River Canal Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



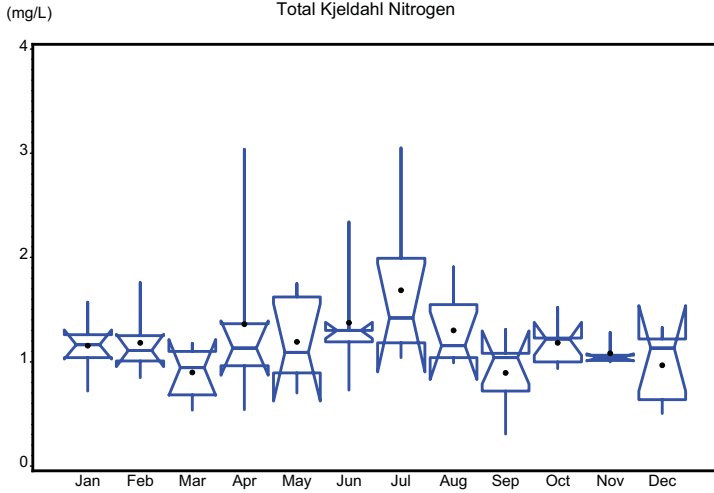
Barron River Canal Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



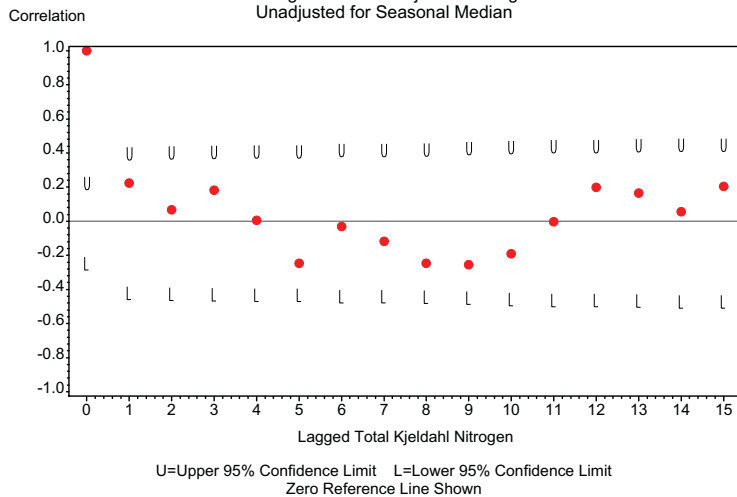
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Barron River Canal Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.224	0.204	0.408	-0.408
2	0.066	0.208	0.415	-0.415
3	0.181	0.208	0.416	-0.416
4	0.005	0.210	0.420	-0.420
5	-0.246	0.210	0.420	-0.420
6	-0.032	0.214	0.428	-0.428
7	-0.117	0.214	0.428	-0.428
8	-0.246	0.215	0.430	-0.430
9	-0.255	0.219	0.438	-0.438
10	-0.190	0.223	0.446	-0.446
11	-0.004	0.225	0.450	-0.450
12	0.199	0.225	0.450	-0.450
13	0.164	0.228	0.455	-0.455
14	0.056	0.229	0.458	-0.458
15	0.204	0.229	0.459	-0.459

Barron River Canal Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



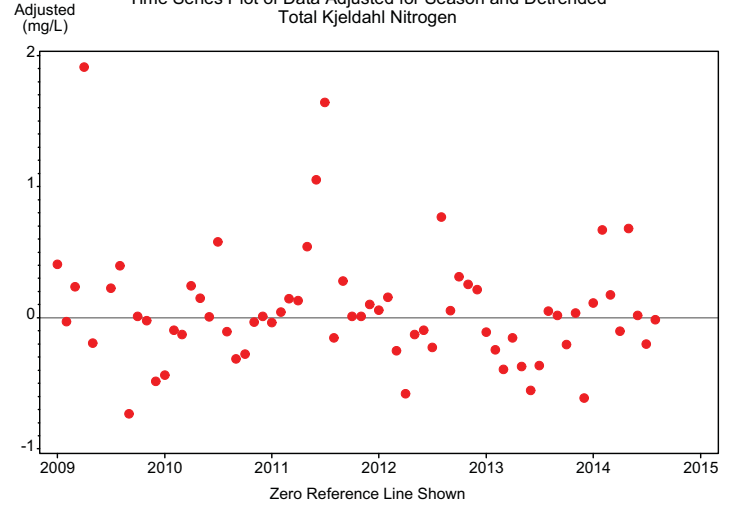
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.013	0.952	0.971	-0.003

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.012903	0.95240	0.97098	-.003

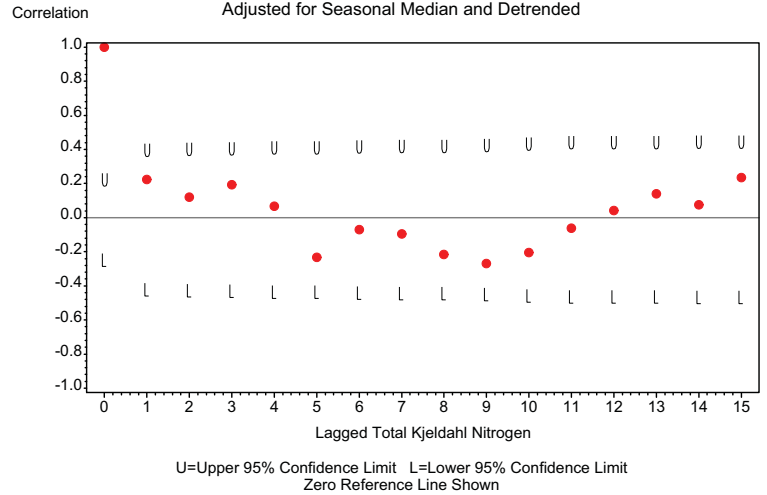
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



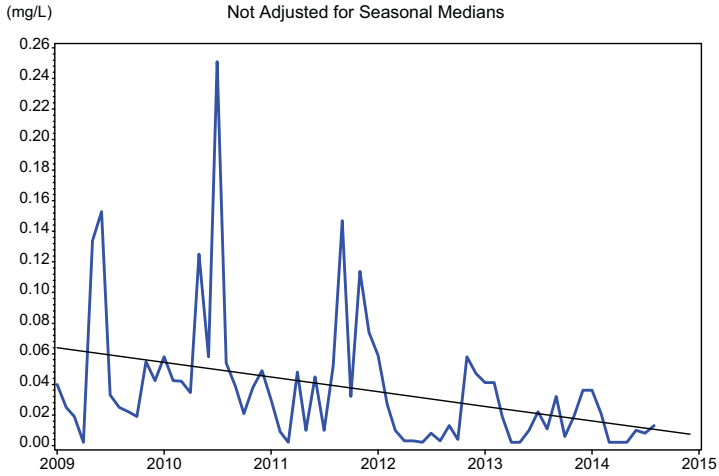
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.224	0.204	0.408	-0.408
2	0.119	0.208	0.415	-0.415
3	0.193	0.208	0.417	-0.417
4	0.066	0.211	0.422	-0.422
5	-0.232	0.211	0.422	-0.422
6	-0.071	0.215	0.429	-0.429
7	-0.097	0.215	0.430	-0.430
8	-0.216	0.216	0.431	-0.431
9	-0.269	0.219	0.437	-0.437
10	-0.206	0.223	0.446	-0.446
11	-0.061	0.226	0.452	-0.452
12	0.041	0.226	0.452	-0.452
13	0.140	0.226	0.452	-0.452
14	0.076	0.227	0.455	-0.455
15	0.235	0.228	0.455	-0.455

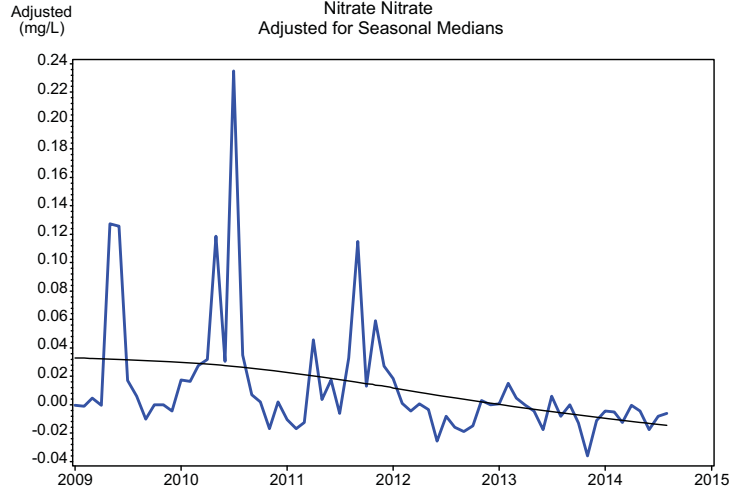
Barron River Canal Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



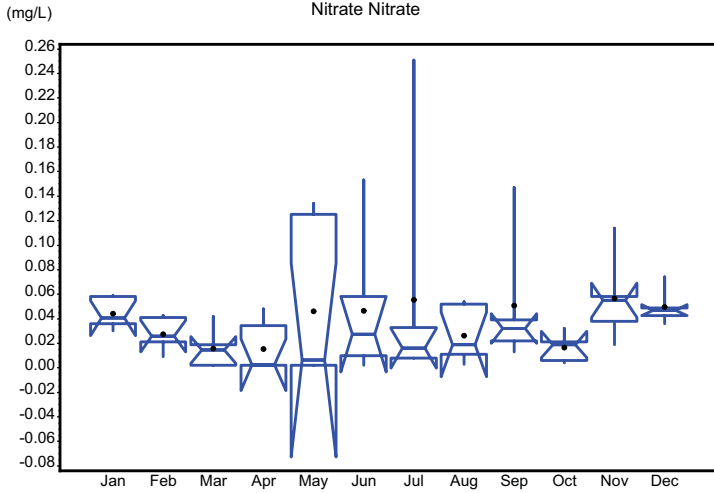
Barron River Canal Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Adjusted for Seasonal Medians



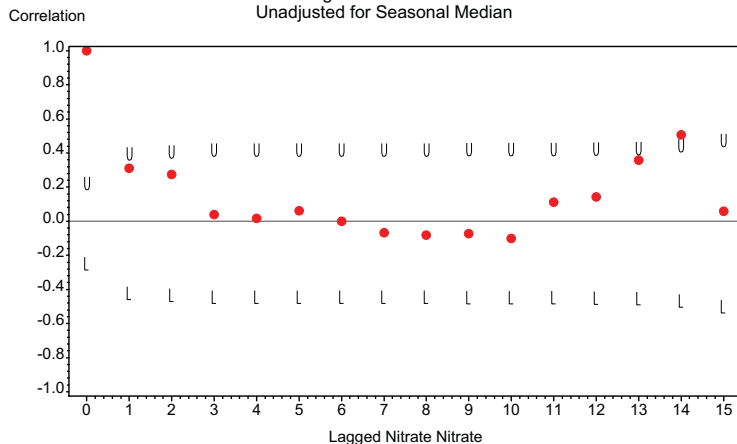
Barron River Canal Trends Appendix
 Seasonal Univariate Statistics
 Nitrate Nitrate



Barron River Canal Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.311	0.204	0.408	-0.408
2	0.273	0.211	0.421	-0.421
3	0.040	0.215	0.431	-0.431
4	0.017	0.216	0.431	-0.431
5	0.060	0.216	0.431	-0.431
6	0.000	0.216	0.432	-0.432
7	-0.069	0.216	0.432	-0.432
8	-0.081	0.216	0.432	-0.432
9	-0.074	0.217	0.433	-0.433
10	-0.102	0.217	0.434	-0.434
11	0.112	0.218	0.435	-0.435
12	0.142	0.218	0.437	-0.437
13	0.359	0.220	0.439	-0.439
14	0.507	0.228	0.455	-0.455
15	0.059	0.243	0.486	-0.486

Barron River Canal Trends Appendix
 Correlogram for Nitrate Nitrate
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

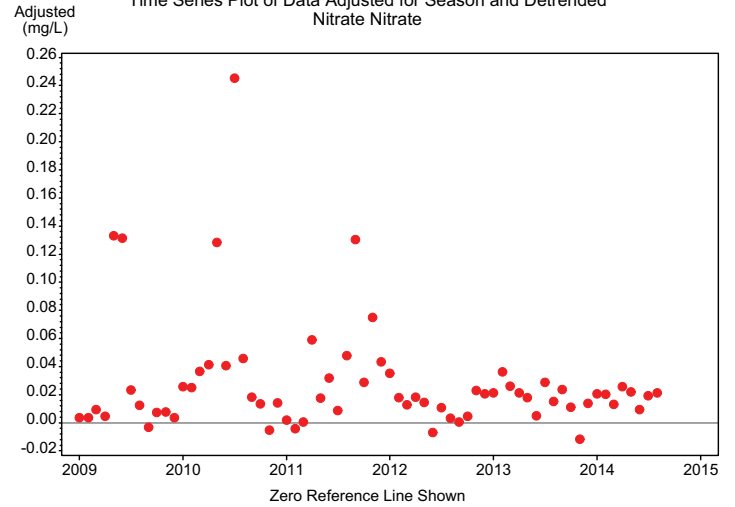
Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.338	.002	0.091	-0.004

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.3375	.00168201	0.091328	-.00416667

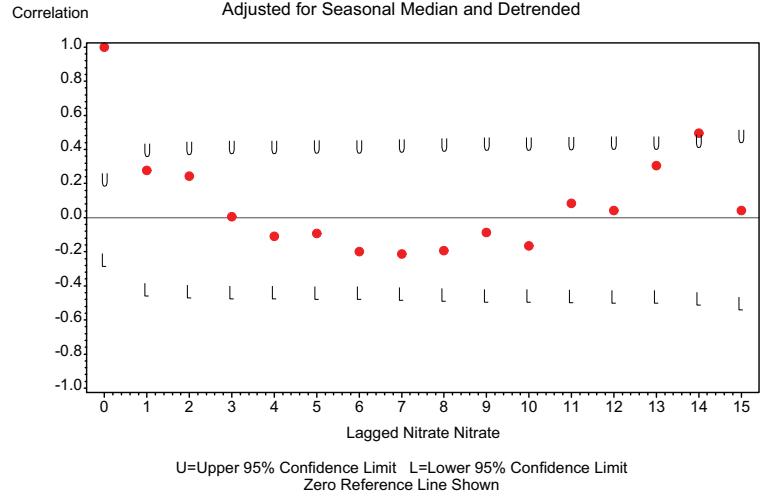
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



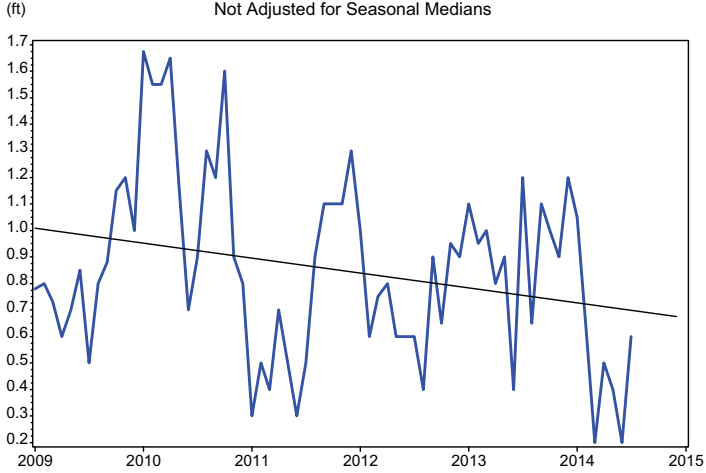
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.277	0.204	0.408	-0.408
2	0.243	0.209	0.419	-0.419
3	0.004	0.213	0.426	-0.426
4	-0.111	0.213	0.426	-0.426
5	-0.092	0.214	0.428	-0.428
6	-0.200	0.215	0.429	-0.429
7	-0.214	0.217	0.434	-0.434
8	-0.193	0.220	0.440	-0.440
9	-0.088	0.222	0.445	-0.445
10	-0.165	0.223	0.446	-0.446
11	0.084	0.225	0.449	-0.449
12	0.041	0.225	0.450	-0.450
13	0.305	0.225	0.450	-0.450
14	0.495	0.231	0.461	-0.461
15	0.041	0.245	0.490	-0.490

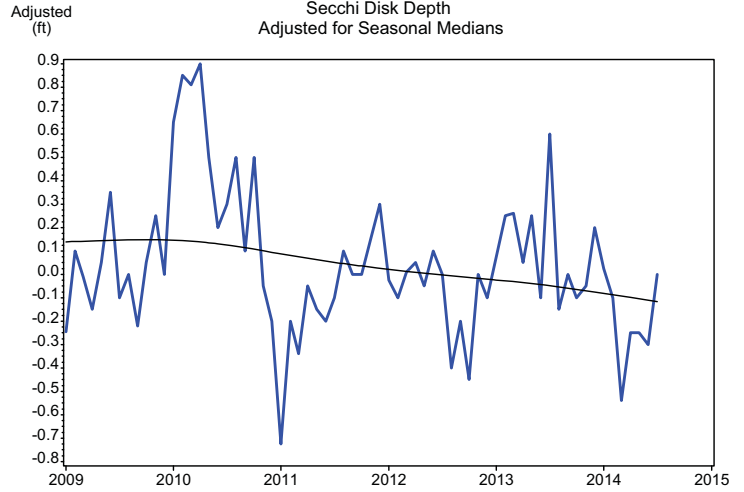
Barron River Canal Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



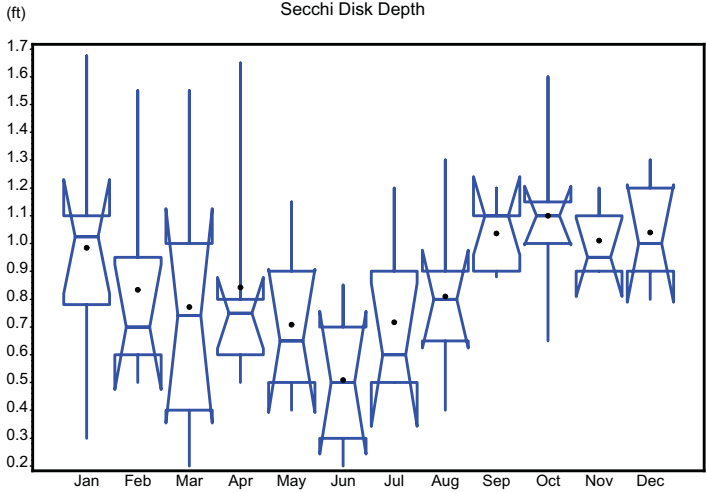
Barron River Canal Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



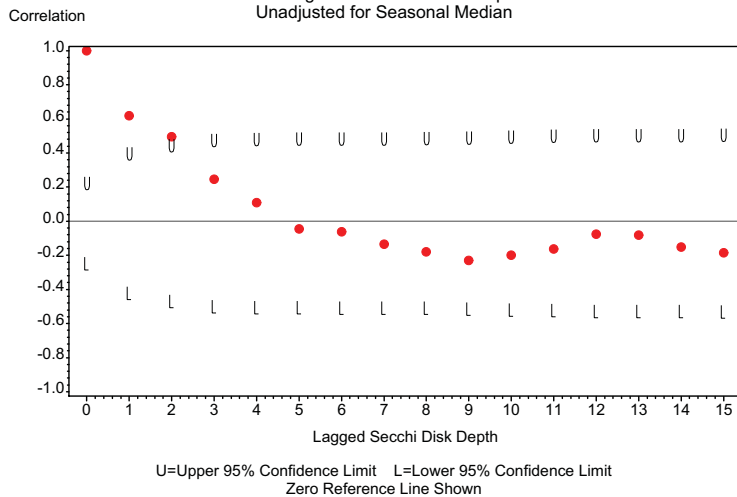
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Barron River Canal Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.619	0.204	0.408	-0.408
2	0.495	0.229	0.457	-0.457
3	0.246	0.243	0.486	-0.486
4	0.108	0.247	0.493	-0.493
5	-0.044	0.247	0.494	-0.494
6	-0.063	0.247	0.495	-0.495
7	-0.136	0.248	0.495	-0.495
8	-0.180	0.249	0.497	-0.497
9	-0.230	0.250	0.501	-0.501
10	-0.199	0.253	0.507	-0.507
11	-0.162	0.255	0.511	-0.511
12	-0.077	0.257	0.514	-0.514
13	-0.082	0.257	0.514	-0.514
14	-0.151	0.258	0.515	-0.515
15	-0.185	0.259	0.518	-0.518

Barron River Canal Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



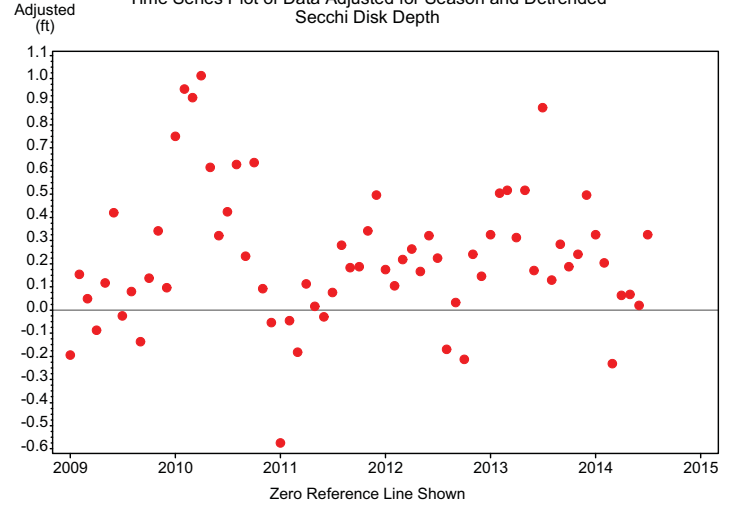
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.174	0.117	0.388	-0.05

Barron River Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17419	0.11736	0.38849	-0.05

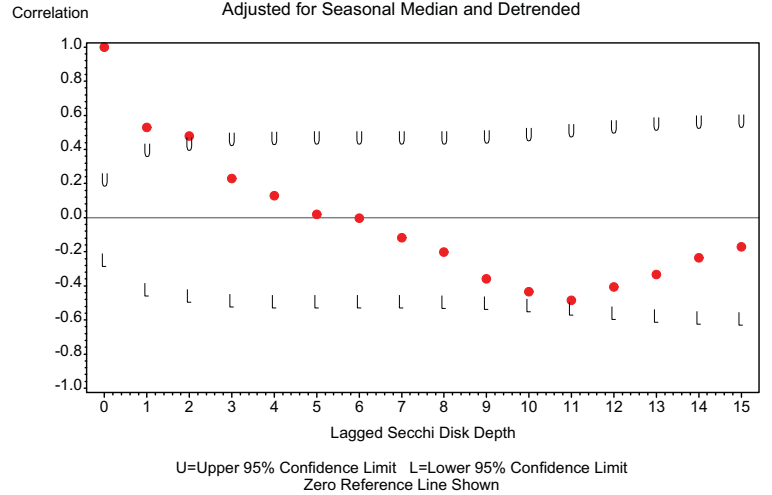
Barron River Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



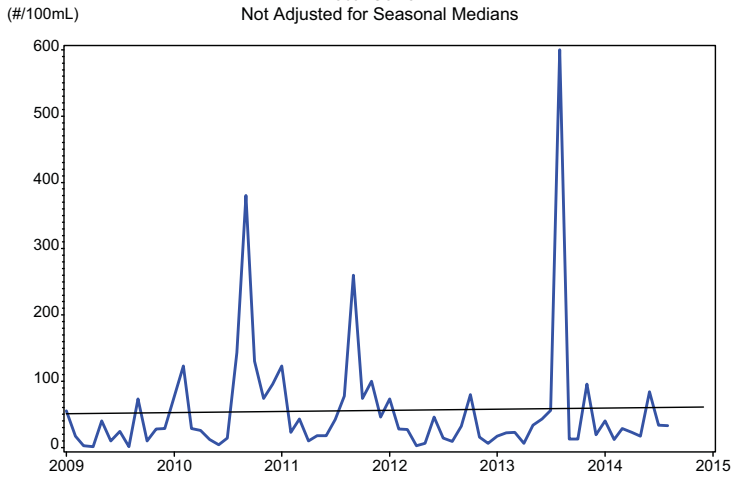
Barron River Canal Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.528	0.204	0.408	-0.408
2	0.479	0.222	0.445	-0.445
3	0.228	0.236	0.472	-0.472
4	0.127	0.239	0.478	-0.478
5	0.019	0.240	0.480	-0.480
6	-0.004	0.240	0.480	-0.480
7	-0.119	0.240	0.480	-0.480
8	-0.203	0.241	0.482	-0.482
9	-0.360	0.243	0.487	-0.487
10	-0.435	0.251	0.501	-0.501
11	-0.484	0.261	0.522	-0.522
12	-0.407	0.273	0.546	-0.546
13	-0.333	0.281	0.563	-0.563
14	-0.237	0.287	0.574	-0.574
15	-0.171	0.289	0.579	-0.579

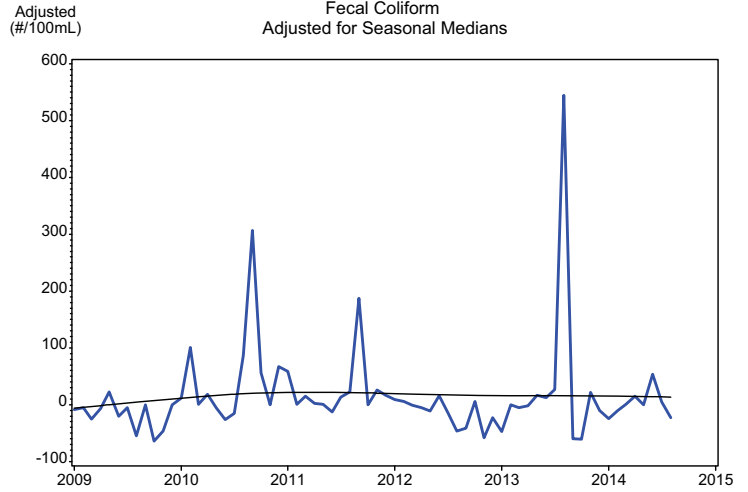
Barron River Canal Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



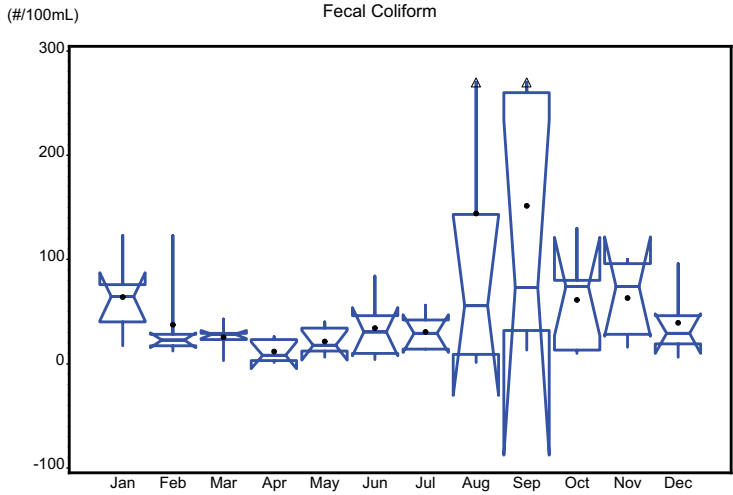
Barron River Canal Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Barron River Canal Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



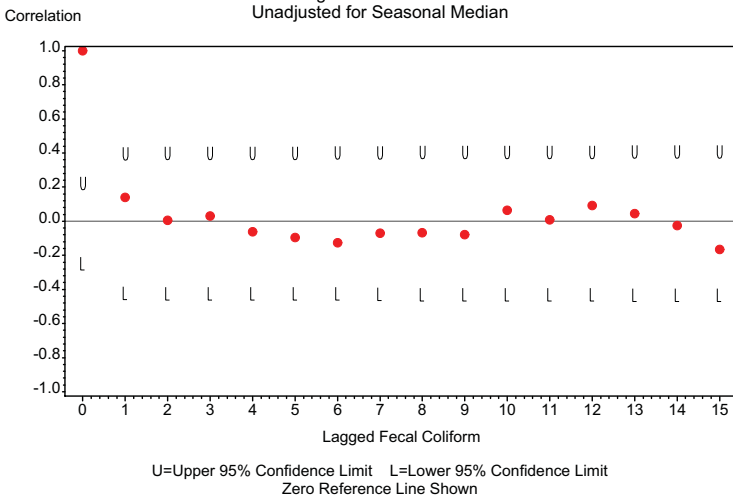
Barron River Canal Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Barron River Canal Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.139	0.204	0.408	-0.408
2	0.006	0.205	0.411	-0.411
3	0.029	0.205	0.411	-0.411
4	-0.061	0.205	0.411	-0.411
5	-0.097	0.206	0.411	-0.411
6	-0.126	0.206	0.413	-0.413
7	-0.070	0.207	0.415	-0.415
8	-0.068	0.208	0.416	-0.416
9	-0.080	0.208	0.416	-0.416
10	0.063	0.209	0.417	-0.417
11	0.007	0.209	0.418	-0.418
12	0.091	0.209	0.418	-0.418
13	0.044	0.209	0.419	-0.419
14	-0.027	0.209	0.419	-0.419
15	-0.166	0.210	0.419	-0.419

Barron River Canal Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



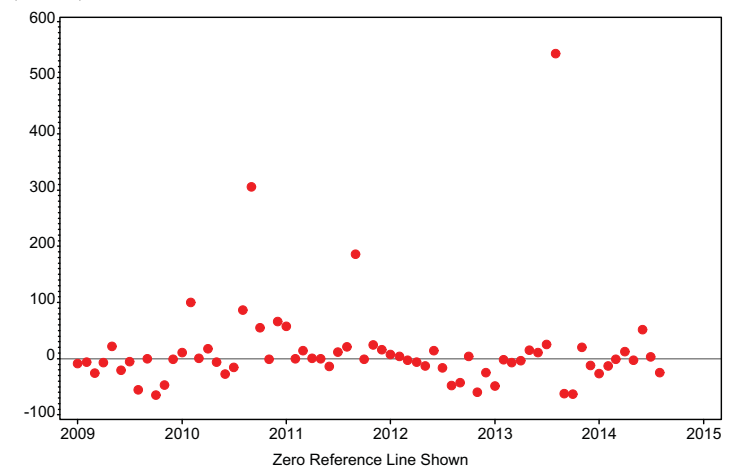
Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.013	0.953	0.97	0.333

Barron River Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.0125	0.95328	0.96985	0.33333

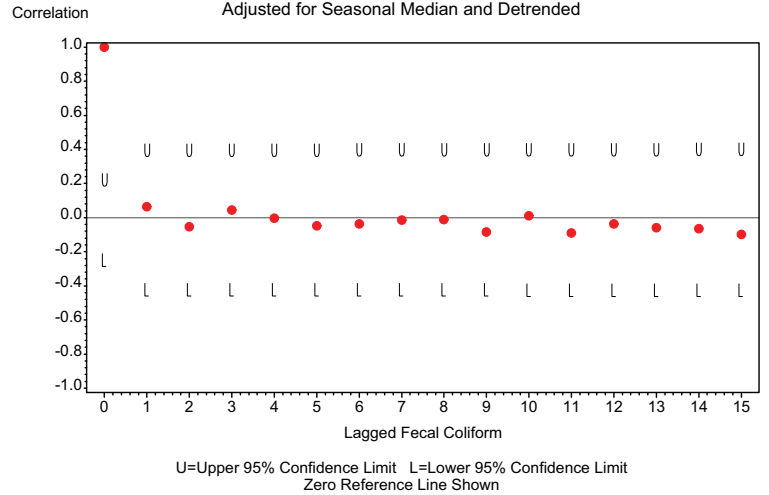
Barron River Canal Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Fecal Coliform



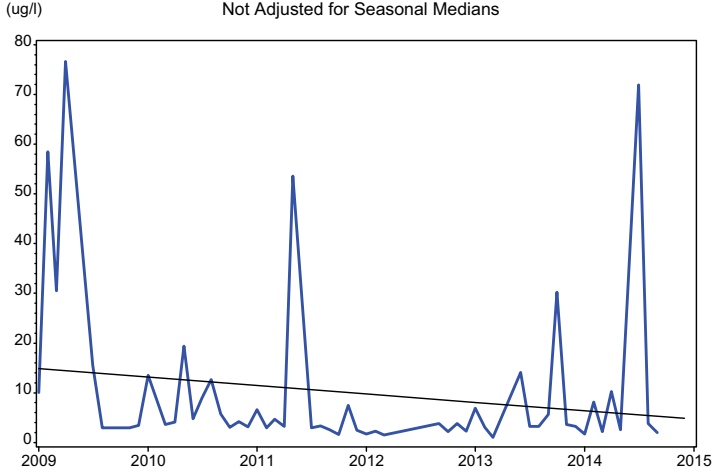
Barron River Canal Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.063	0.204	0.408	-0.408
2	-0.053	0.204	0.409	-0.409
3	0.044	0.205	0.409	-0.409
4	-0.002	0.205	0.409	-0.409
5	-0.049	0.205	0.409	-0.409
6	-0.037	0.205	0.410	-0.410
7	-0.014	0.205	0.410	-0.410
8	-0.011	0.205	0.410	-0.410
9	-0.084	0.205	0.410	-0.410
10	0.011	0.205	0.411	-0.411
11	-0.090	0.205	0.411	-0.411
12	-0.038	0.206	0.412	-0.412
13	-0.058	0.206	0.412	-0.412
14	-0.064	0.206	0.413	-0.413
15	-0.099	0.207	0.413	-0.413

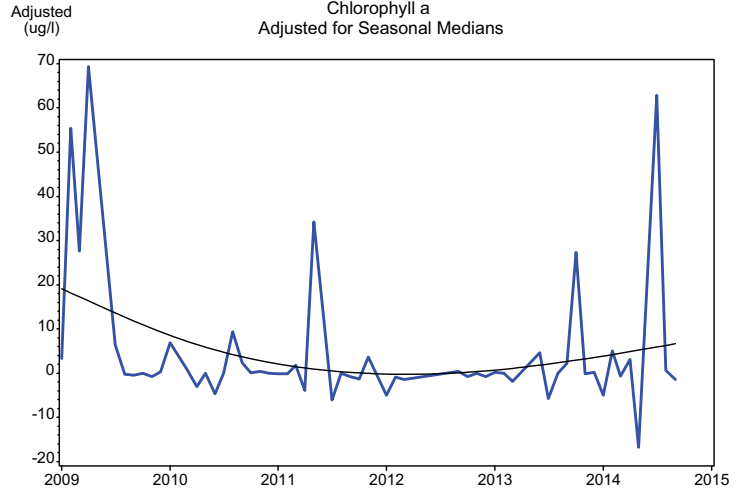
Barron River Canal Trends Appendix
Correlogram for Fecal Coliform
Adjusted for Seasonal Median and Detrended



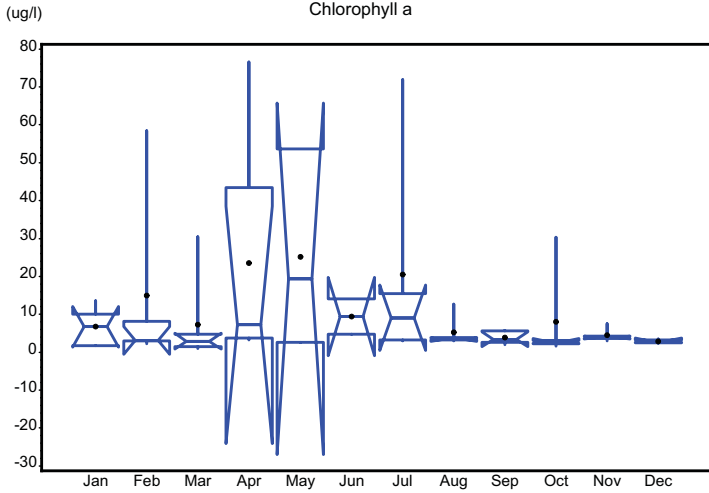
Camp Keais Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



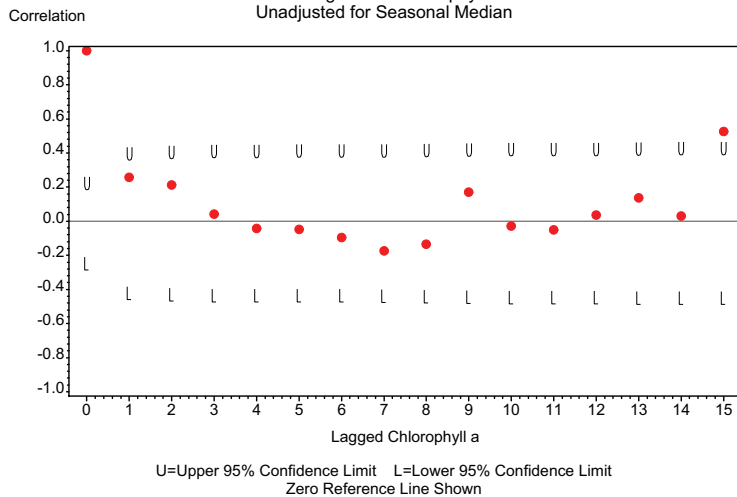
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Camp Keais Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.256	0.204	0.408	-0.408
2	0.213	0.209	0.417	-0.417
3	0.041	0.212	0.423	-0.423
4	-0.043	0.212	0.423	-0.423
5	-0.048	0.212	0.424	-0.424
6	-0.096	0.212	0.424	-0.424
7	-0.173	0.213	0.425	-0.425
8	-0.134	0.214	0.429	-0.429
9	0.170	0.216	0.431	-0.431
10	-0.028	0.217	0.435	-0.435
11	-0.052	0.218	0.435	-0.435
12	0.035	0.218	0.435	-0.435
13	0.136	0.218	0.436	-0.436
14	0.029	0.219	0.438	-0.438
15	0.527	0.219	0.438	-0.438

Camp Keais Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



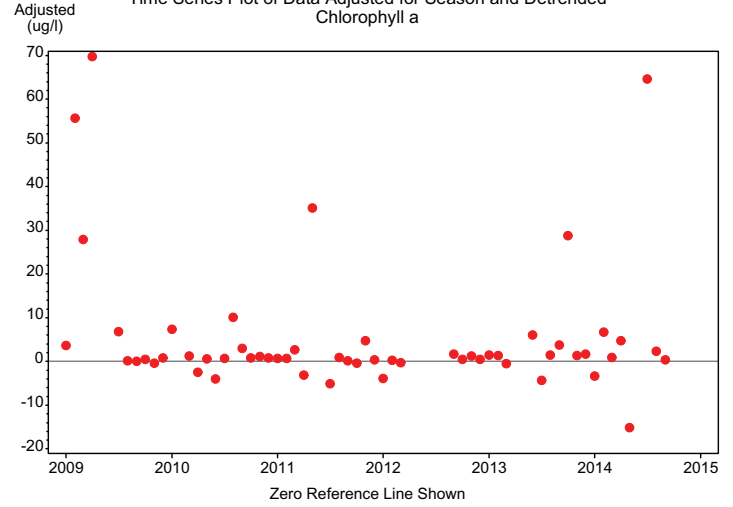
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.191	0.135	0.239	-0.267

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.19130	0.13493	0.23944	-0.26667

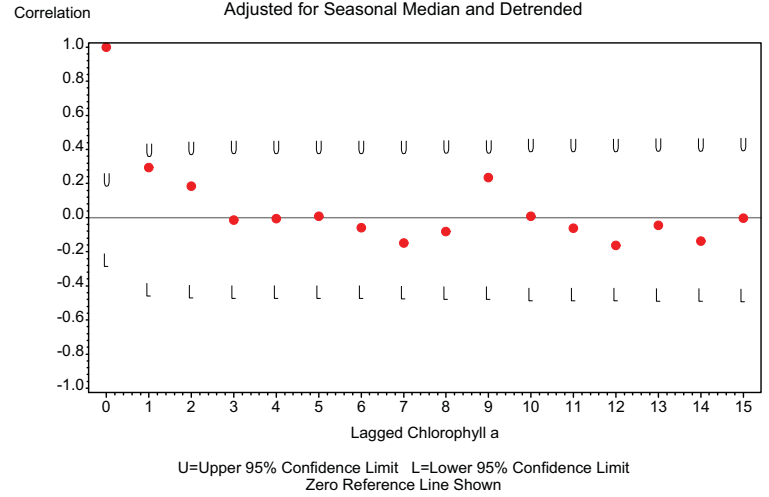
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Chlorophyll a



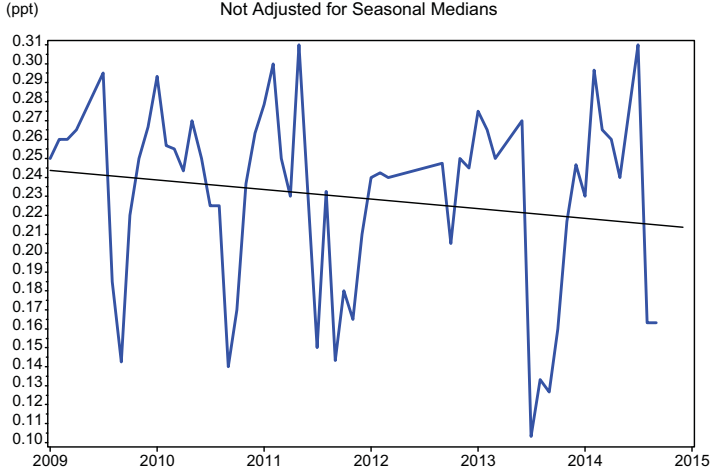
Camp Keais Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.293	0.204	0.408	-0.408
2	0.183	0.210	0.420	-0.420
3	-0.014	0.212	0.424	-0.424
4	-0.007	0.212	0.424	-0.424
5	0.009	0.212	0.424	-0.424
6	-0.060	0.212	0.424	-0.424
7	-0.148	0.212	0.425	-0.425
8	-0.081	0.214	0.428	-0.428
9	0.236	0.214	0.428	-0.428
10	0.008	0.218	0.436	-0.436
11	-0.061	0.218	0.436	-0.436
12	-0.164	0.218	0.436	-0.436
13	-0.046	0.220	0.440	-0.440
14	-0.138	0.220	0.440	-0.440
15	-0.003	0.221	0.442	-0.442

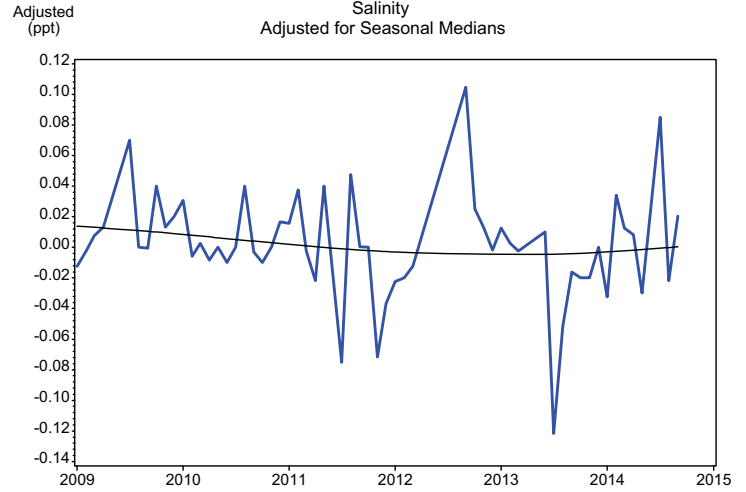
Camp Keais Trends Appendix
Correlogram for Chlorophyll a
Adjusted for Seasonal Median and Detrended



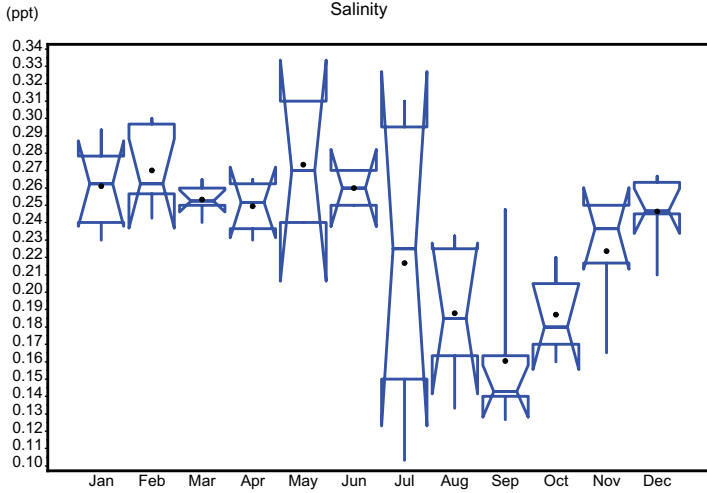
Camp Keais Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



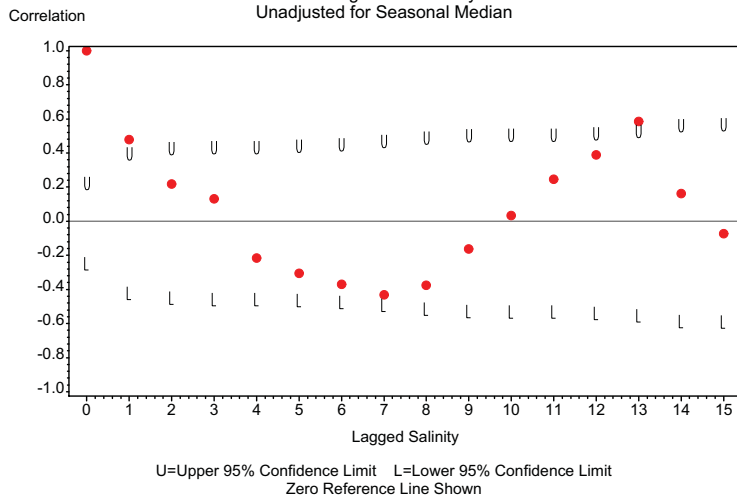
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Salinity



Camp Keais Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.479	0.204	0.408	-0.408
2	0.217	0.219	0.438	-0.438
3	0.130	0.222	0.444	-0.444
4	-0.215	0.223	0.446	-0.446
5	-0.306	0.226	0.452	-0.452
6	-0.369	0.232	0.463	-0.463
7	-0.432	0.240	0.480	-0.480
8	-0.376	0.250	0.501	-0.501
9	-0.164	0.258	0.516	-0.516
10	0.032	0.260	0.519	-0.519
11	0.246	0.260	0.519	-0.519
12	0.388	0.263	0.526	-0.526
13	0.586	0.271	0.541	-0.541
14	0.162	0.288	0.575	-0.575
15	-0.072	0.289	0.578	-0.578

Camp Keais Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



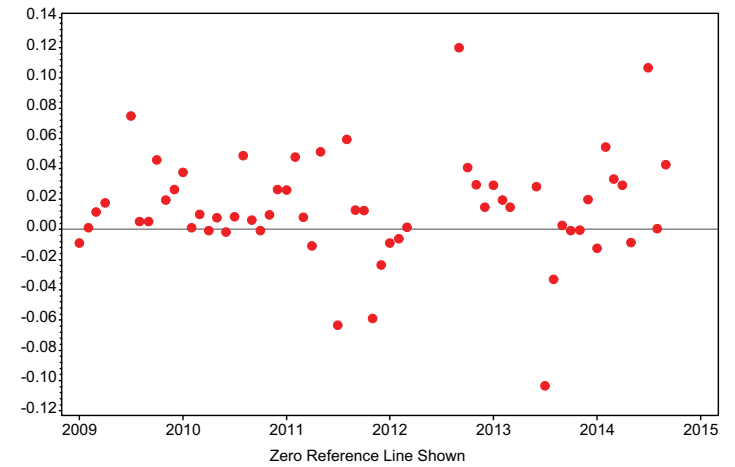
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.175	0.164	0.235	-0.004

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.175	0.16450	0.23504	-0.0333333

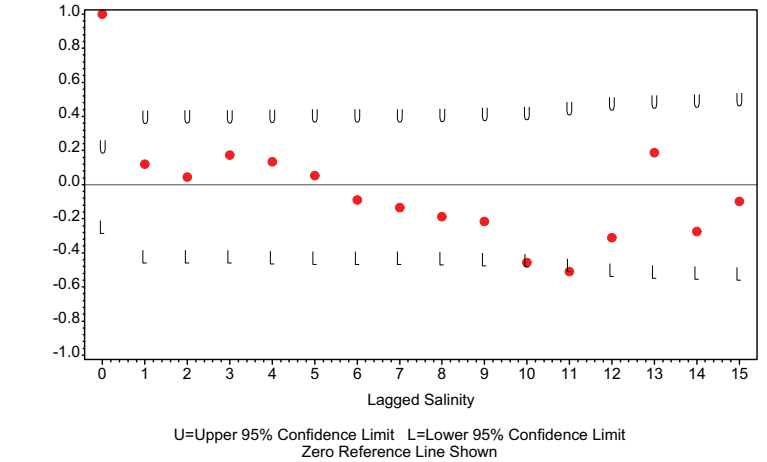
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended Salinity



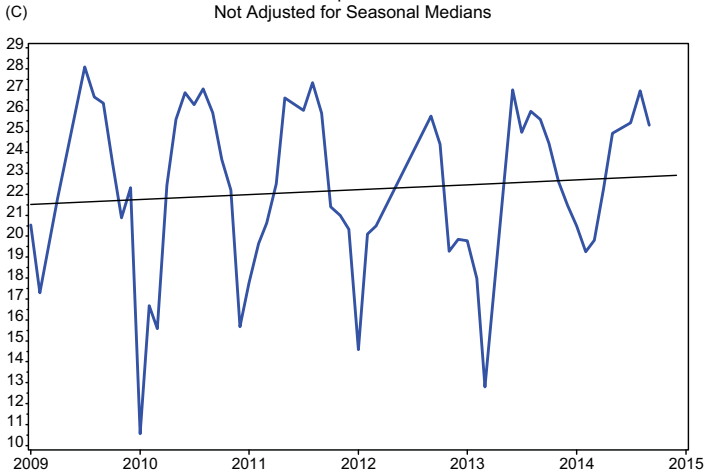
Camp Keais Trends Appendix
Autocorrelation Statistics for Salinity
Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.119	0.204	0.408	-0.408
2	0.045	0.205	0.410	-0.410
3	0.172	0.205	0.410	-0.410
4	0.133	0.207	0.414	-0.414
5	0.052	0.208	0.417	-0.417
6	-0.089	0.209	0.417	-0.417
7	-0.135	0.209	0.418	-0.418
8	-0.189	0.210	0.421	-0.421
9	-0.217	0.213	0.425	-0.425
10	-0.457	0.216	0.431	-0.431
11	-0.510	0.229	0.458	-0.458
12	-0.310	0.244	0.488	-0.488
13	0.186	0.249	0.499	-0.499
14	-0.275	0.251	0.503	-0.503
15	-0.098	0.256	0.511	-0.511

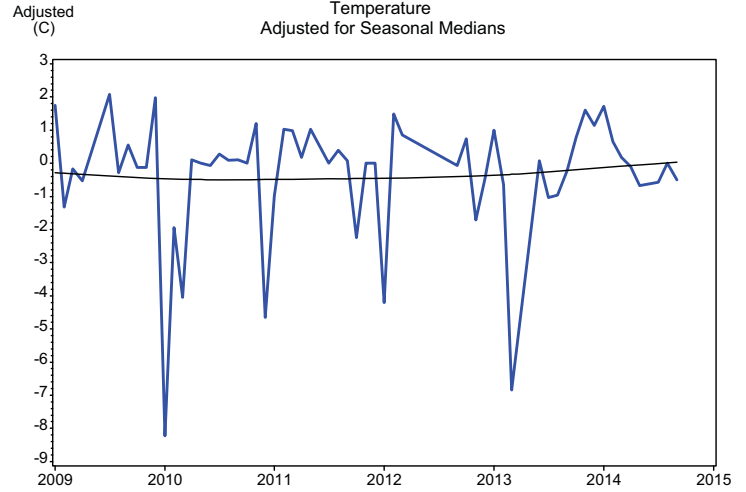
Camp Keais Trends Appendix
Correlogram for Salinity
Adjusted for Seasonal Median and Detrended



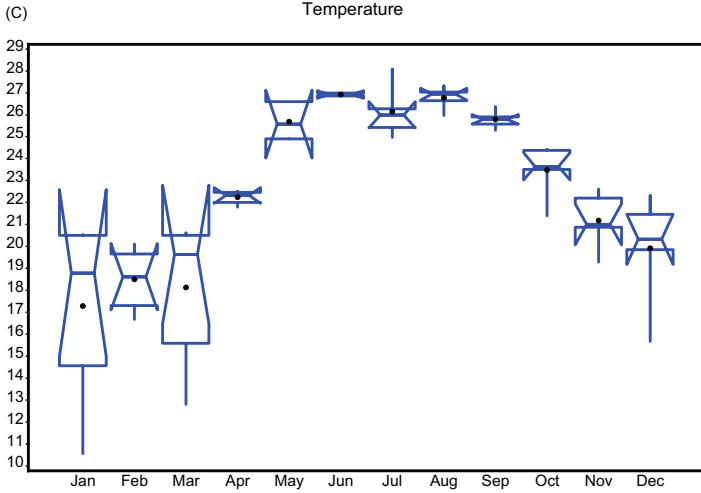
Camp Keais Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



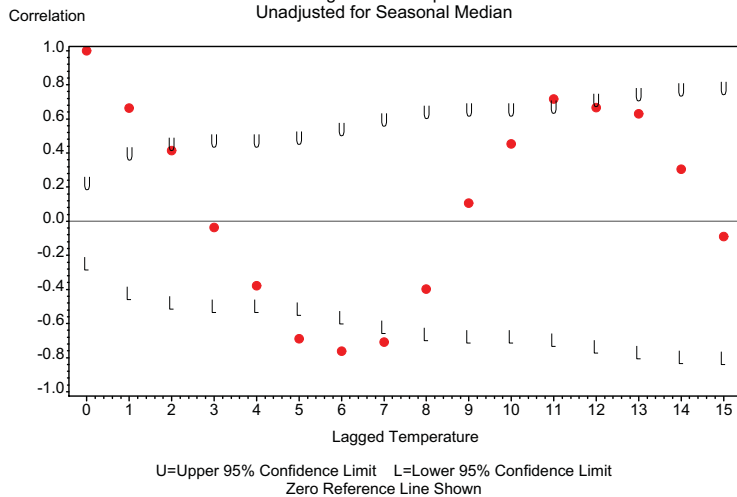
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Temperature



Camp Keais Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.236	0.236	-0.236
1	0.662	0.204	0.408	-0.408
2	0.415	0.232	0.464	-0.464
3	-0.038	0.242	0.484	-0.484
4	-0.379	0.242	0.484	-0.484
5	-0.690	0.250	0.501	-0.501
6	-0.762	0.276	0.551	-0.551
7	-0.709	0.303	0.607	-0.607
8	-0.398	0.326	0.651	-0.651
9	0.106	0.332	0.665	-0.665
10	0.453	0.333	0.665	-0.665
11	0.717	0.341	0.682	-0.682
12	0.665	0.362	0.723	-0.723
13	0.629	0.378	0.756	-0.756
14	0.306	0.392	0.785	-0.785
15	-0.090	0.396	0.791	-0.791

Camp Keais Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median

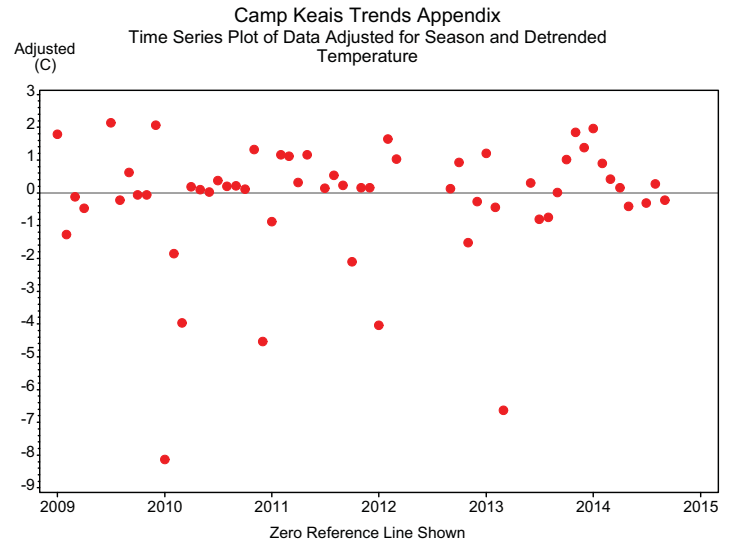


Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.05	0.73	0.671	-0.041

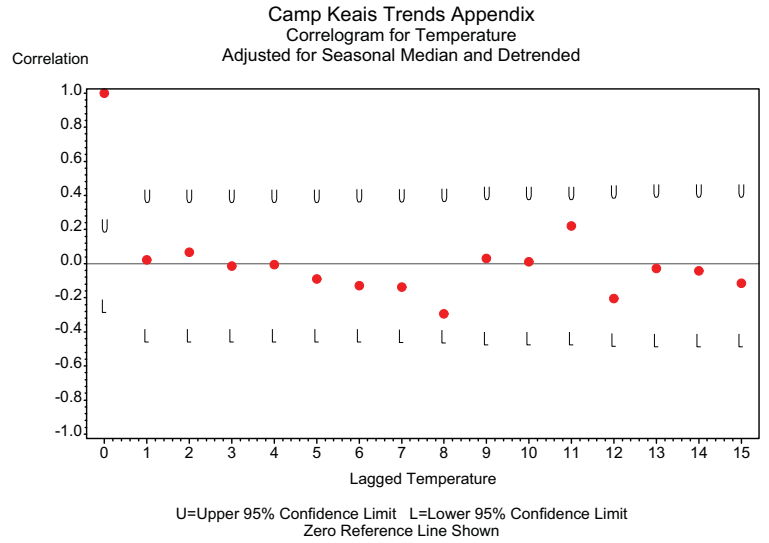
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.05	0.73007	0.67113	-0.04075

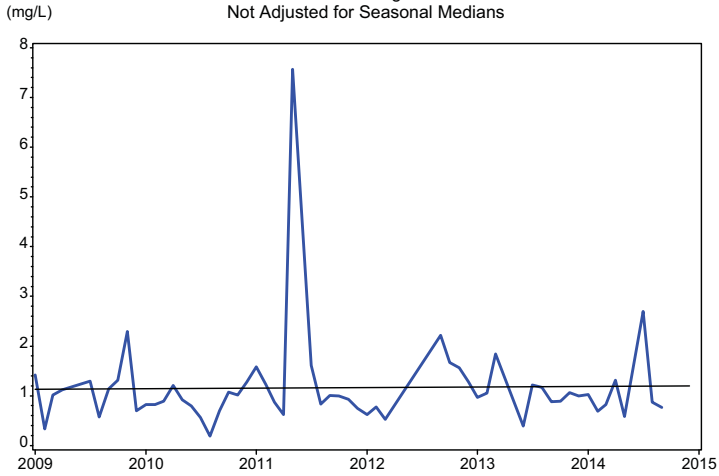


Camp Keais Trends Appendix
Autocorrelation Statistics for Temperature
Adjusted for Seasonal Median and Detrended

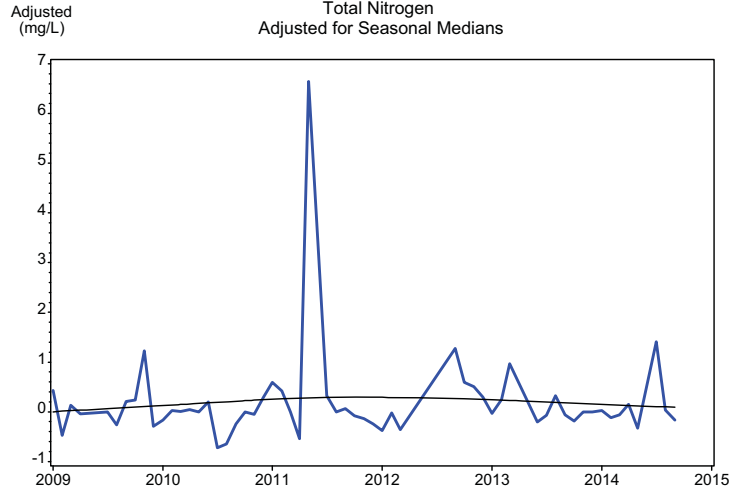
Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.021	0.204	0.408	-0.408
2	0.066	0.204	0.408	-0.408
3	-0.015	0.204	0.409	-0.409
4	-0.005	0.204	0.409	-0.409
5	-0.090	0.204	0.409	-0.409
6	-0.129	0.205	0.410	-0.410
7	-0.137	0.206	0.412	-0.412
8	-0.294	0.207	0.415	-0.415
9	0.031	0.213	0.426	-0.426
10	0.012	0.213	0.426	-0.426
11	0.222	0.213	0.426	-0.426
12	-0.204	0.216	0.433	-0.433
13	-0.028	0.219	0.438	-0.438
14	-0.042	0.219	0.438	-0.438
15	-0.116	0.219	0.438	-0.438



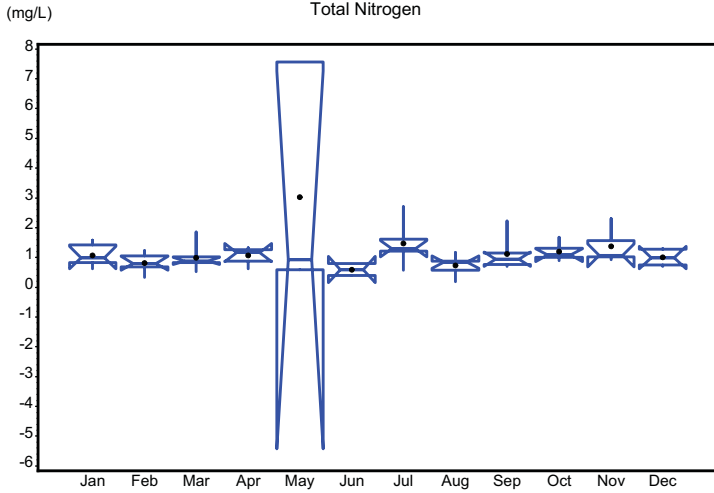
Camp Keais Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



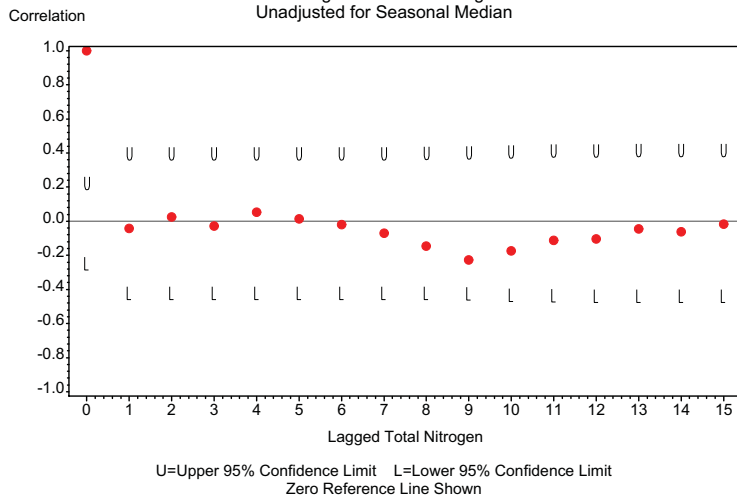
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Camp Keais Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.043	0.204	0.408	-0.408
2	0.024	0.204	0.408	-0.408
3	-0.028	0.204	0.409	-0.409
4	0.053	0.204	0.409	-0.409
5	0.013	0.205	0.409	-0.409
6	-0.021	0.205	0.409	-0.409
7	-0.071	0.205	0.409	-0.409
8	-0.147	0.205	0.410	-0.410
9	-0.227	0.206	0.413	-0.413
10	-0.174	0.210	0.420	-0.420
11	-0.112	0.212	0.424	-0.424
12	-0.104	0.213	0.425	-0.425
13	-0.045	0.213	0.427	-0.427
14	-0.061	0.213	0.427	-0.427
15	-0.016	0.214	0.427	-0.427

Camp Keais Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



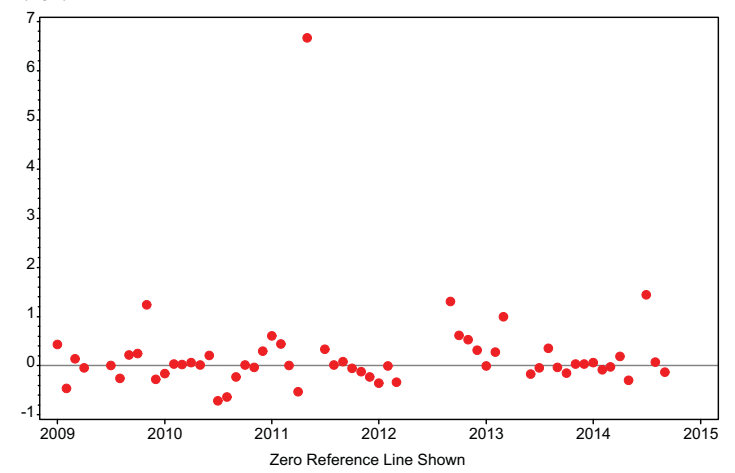
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	-0.005

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	-.00525

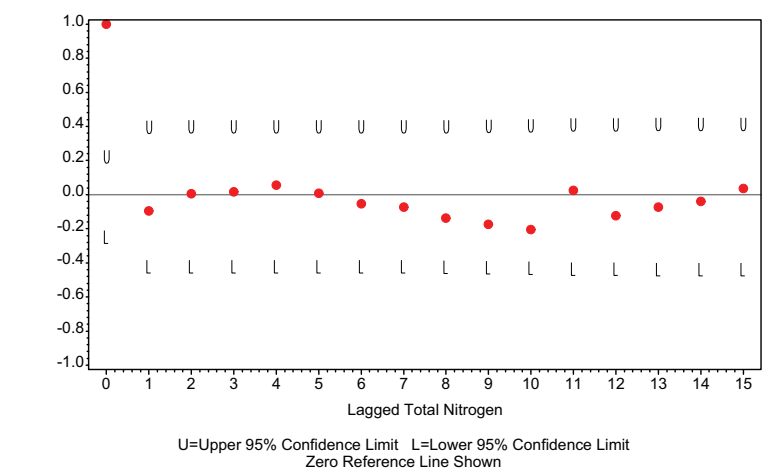
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Total Nitrogen



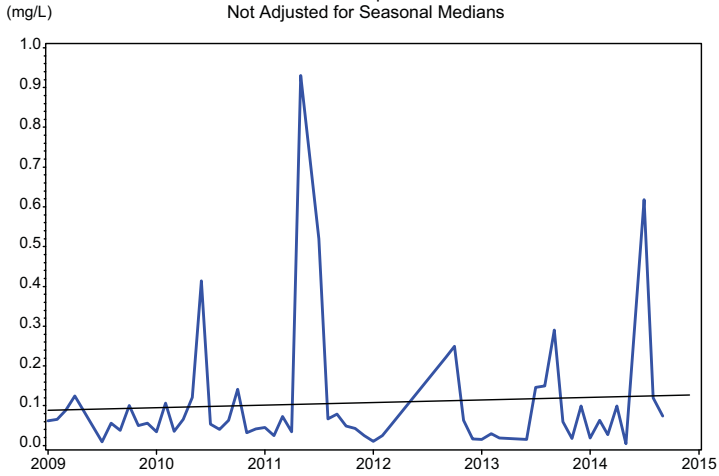
Camp Keais Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.097	0.204	0.408	-0.408
2	0.004	0.205	0.410	-0.410
3	0.016	0.205	0.410	-0.410
4	0.056	0.205	0.410	-0.410
5	0.007	0.205	0.410	-0.410
6	-0.054	0.205	0.410	-0.410
7	-0.073	0.205	0.410	-0.410
8	-0.138	0.206	0.411	-0.411
9	-0.175	0.207	0.414	-0.414
10	-0.206	0.209	0.418	-0.418
11	0.024	0.212	0.423	-0.423
12	-0.123	0.212	0.423	-0.423
13	-0.073	0.213	0.425	-0.425
14	-0.039	0.213	0.426	-0.426
15	0.036	0.213	0.426	-0.426

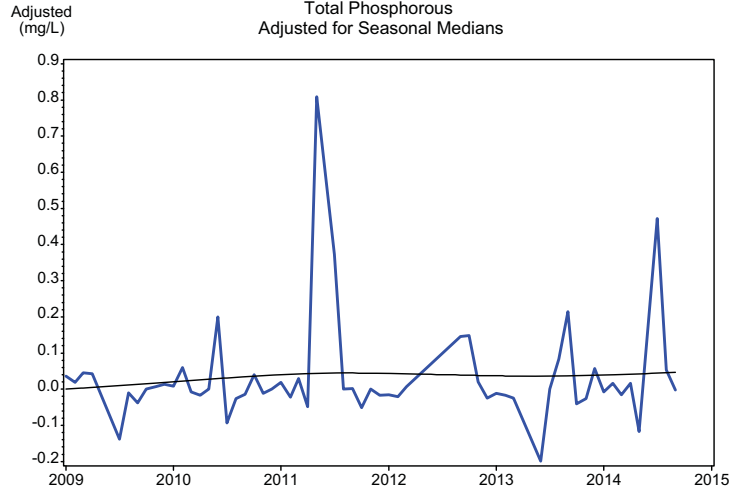
Camp Keais Trends Appendix
Correlogram for Total Nitrogen
Adjusted for Seasonal Median and Detrended



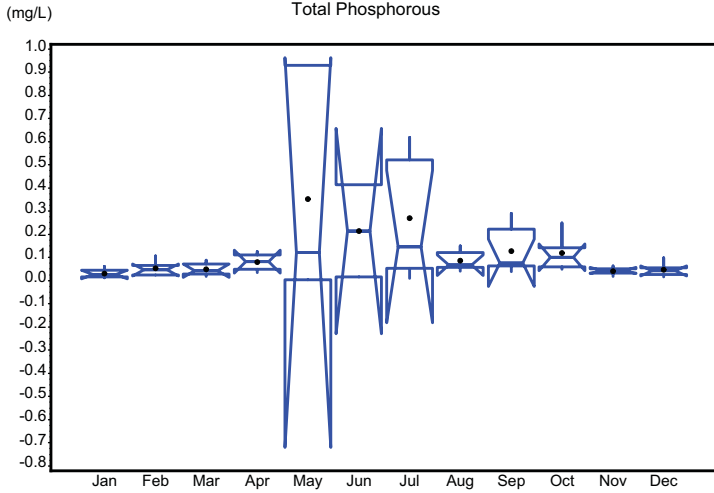
Camp Keais Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



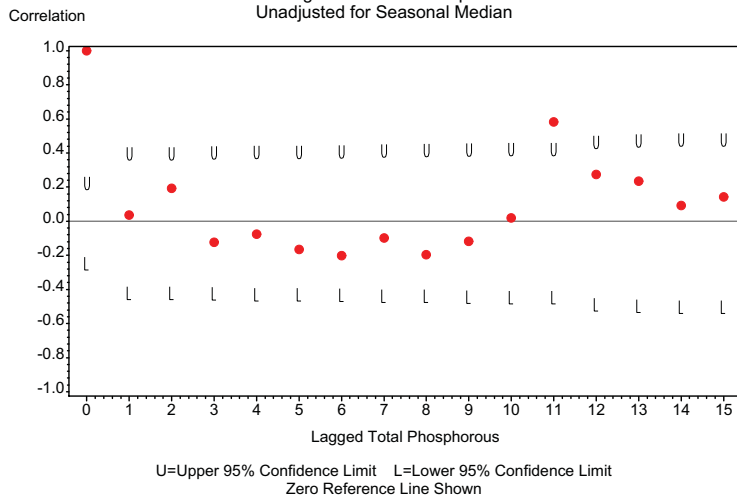
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Camp Keais Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.036	0.204	0.408	-0.408
2	0.192	0.204	0.408	-0.408
3	-0.125	0.207	0.413	-0.413
4	-0.076	0.208	0.416	-0.416
5	-0.165	0.208	0.416	-0.416
6	-0.202	0.210	0.420	-0.420
7	-0.098	0.213	0.425	-0.425
8	-0.196	0.213	0.427	-0.427
9	-0.117	0.216	0.432	-0.432
10	0.019	0.217	0.433	-0.433
11	0.582	0.217	0.433	-0.433
12	0.274	0.237	0.475	-0.475
13	0.234	0.242	0.484	-0.484
14	0.093	0.245	0.490	-0.490
15	0.141	0.245	0.491	-0.491

Camp Keais Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



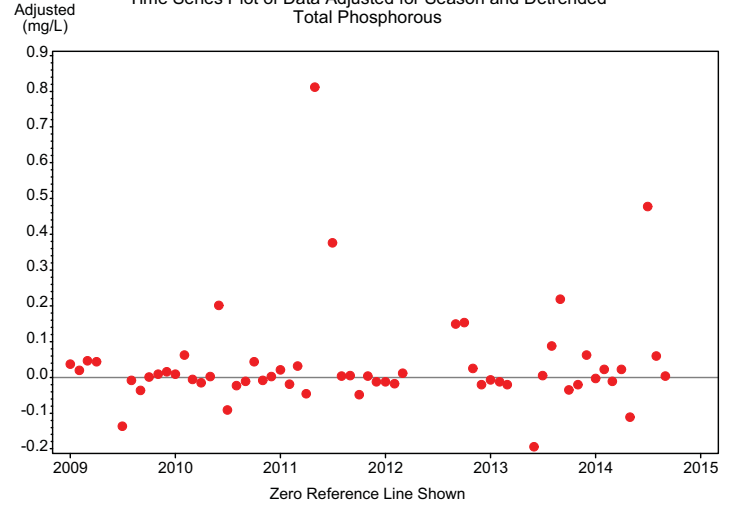
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.025	0.89	0.781	-0.001

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.016667	0.94499	0.89109	-0.00866667

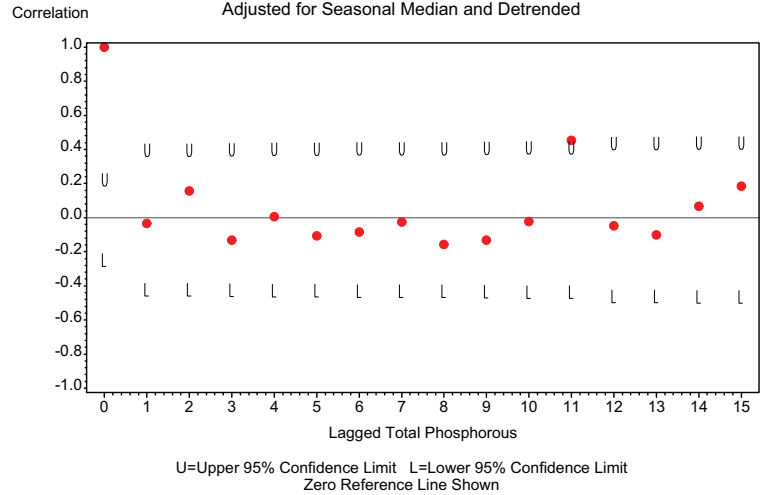
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Total Phosphorous



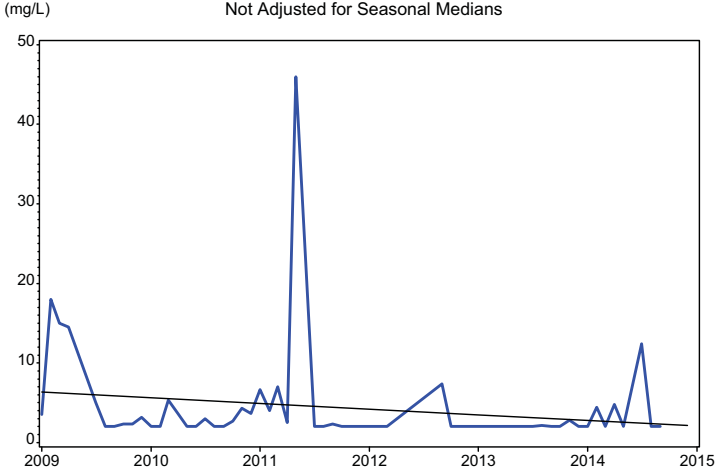
Camp Keais Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.035	0.204	0.408	-0.408
2	0.155	0.204	0.408	-0.408
3	-0.133	0.206	0.412	-0.412
4	0.005	0.207	0.414	-0.414
5	-0.107	0.207	0.414	-0.414
6	-0.084	0.208	0.416	-0.416
7	-0.027	0.208	0.416	-0.416
8	-0.156	0.208	0.417	-0.417
9	-0.133	0.210	0.420	-0.420
10	-0.023	0.211	0.422	-0.422
11	0.454	0.211	0.422	-0.422
12	-0.049	0.224	0.448	-0.448
13	-0.100	0.224	0.449	-0.449
14	0.067	0.225	0.450	-0.450
15	0.183	0.225	0.451	-0.451

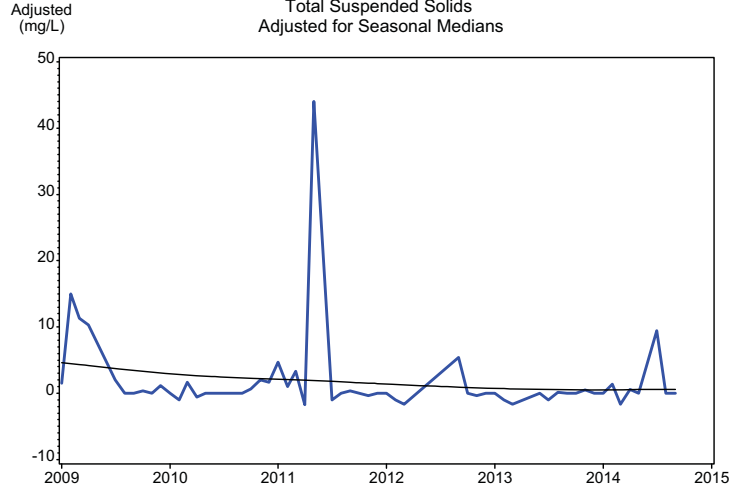
Camp Keais Trends Appendix
Correlogram for Total Phosphorous
Adjusted for Seasonal Median and Detrended



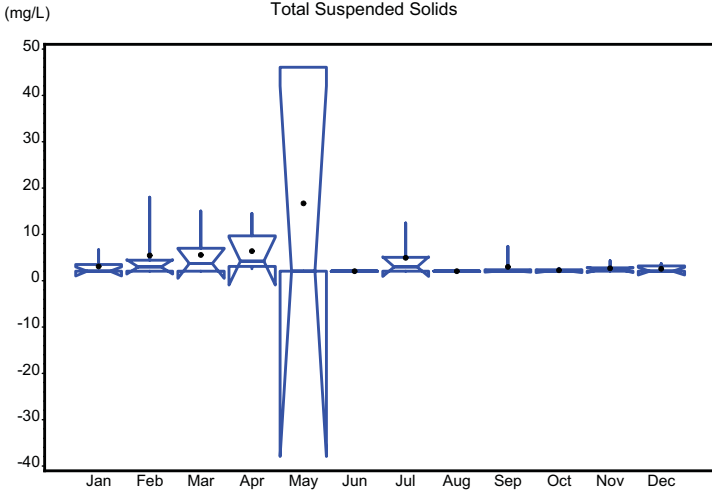
Camp Keais Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



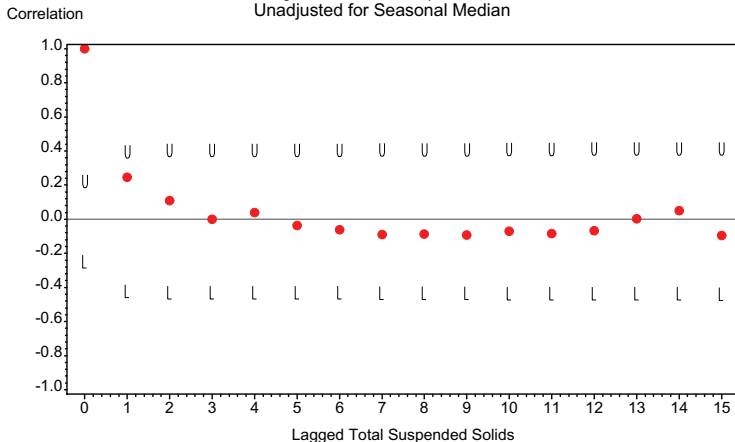
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Camp Keais Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.246	0.204	0.408	-0.408
2	0.108	0.208	0.416	-0.416
3	-0.001	0.209	0.418	-0.418
4	0.038	0.209	0.418	-0.418
5	-0.038	0.209	0.418	-0.418
6	-0.063	0.209	0.418	-0.418
7	-0.089	0.209	0.419	-0.419
8	-0.086	0.210	0.420	-0.420
9	-0.093	0.210	0.421	-0.421
10	-0.070	0.211	0.422	-0.422
11	-0.085	0.211	0.423	-0.423
12	-0.067	0.212	0.424	-0.424
13	0.001	0.212	0.424	-0.424
14	0.049	0.212	0.424	-0.424
15	-0.095	0.212	0.425	-0.425

Camp Keais Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

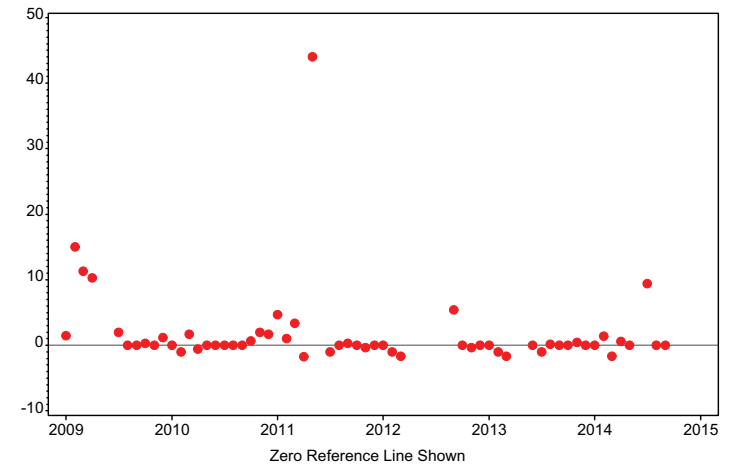
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.233	0.036	0.079	0

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23333	0.035744	0.079247	0

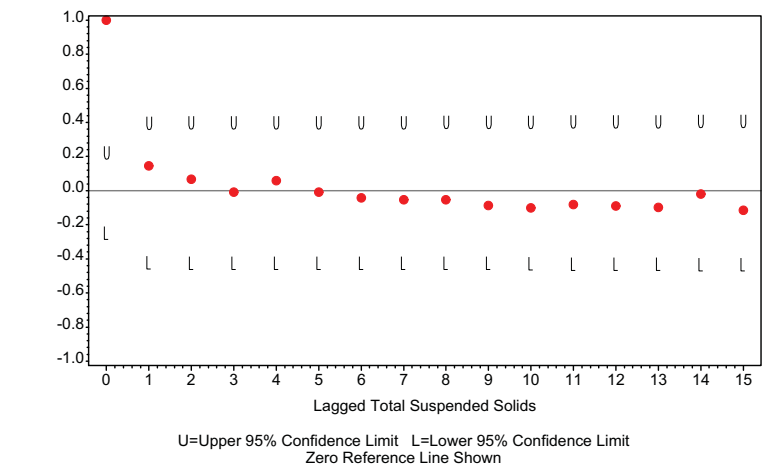
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Total Suspended Solids



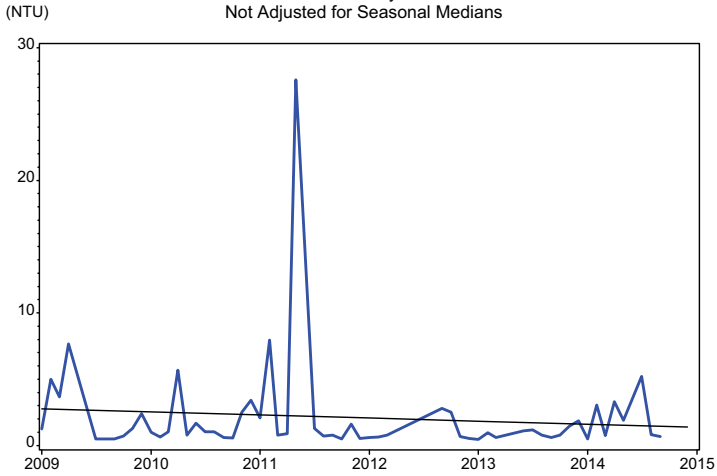
Camp Keais Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.145	0.204	0.408	-0.408
2	0.066	0.206	0.411	-0.411
3	-0.010	0.206	0.412	-0.412
4	0.058	0.206	0.412	-0.412
5	-0.009	0.206	0.412	-0.412
6	-0.042	0.206	0.412	-0.412
7	-0.053	0.206	0.412	-0.412
8	-0.055	0.206	0.413	-0.413
9	-0.087	0.207	0.413	-0.413
10	-0.101	0.207	0.414	-0.414
11	-0.083	0.208	0.416	-0.416
12	-0.090	0.208	0.416	-0.416
13	-0.099	0.209	0.418	-0.418
14	-0.020	0.209	0.419	-0.419
15	-0.114	0.209	0.419	-0.419

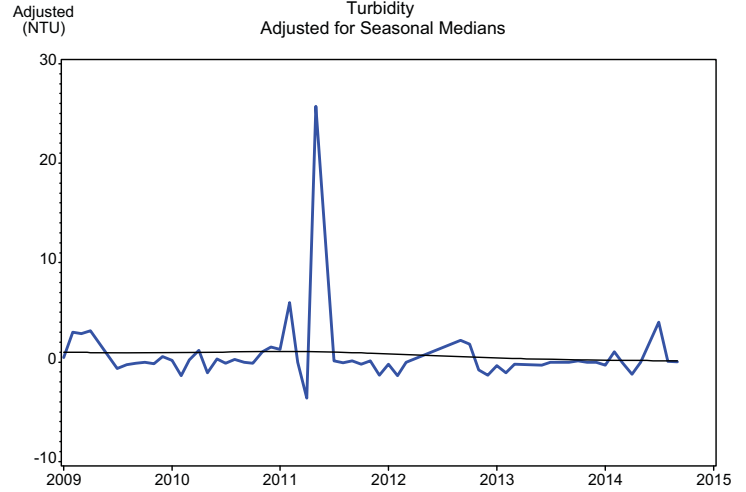
Camp Keais Trends Appendix
Correlogram for Total Suspended Solids
Adjusted for Seasonal Median and Detrended



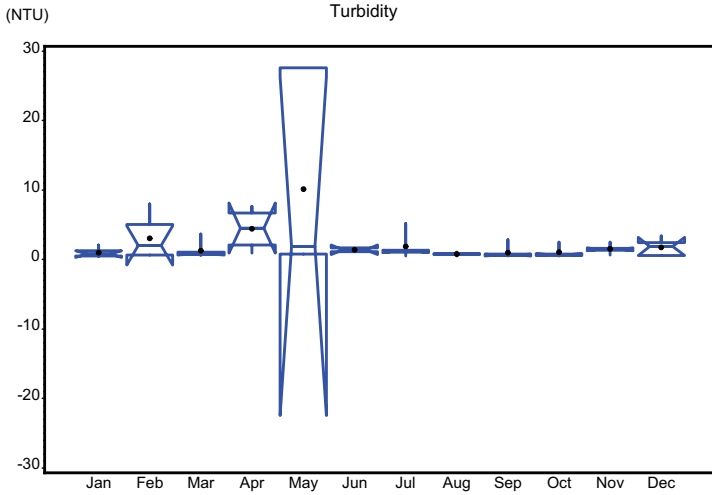
Camp Keais Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



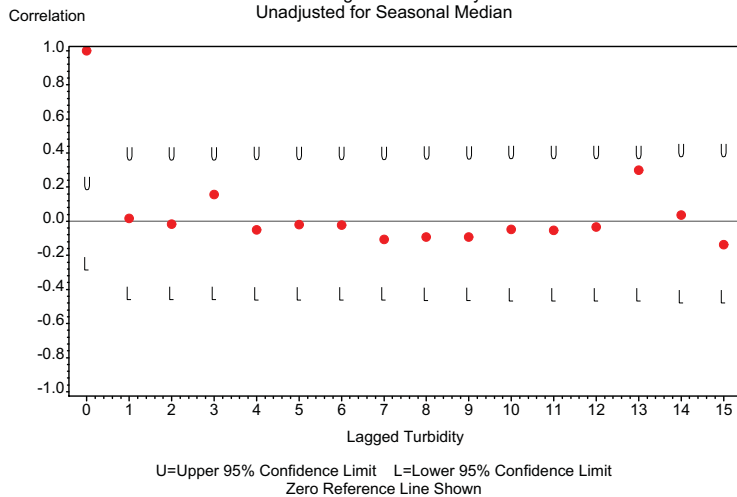
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Turbidity



Camp Keais Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.015	0.204	0.408	-0.408
2	-0.016	0.204	0.408	-0.408
3	0.155	0.204	0.408	-0.408
4	-0.051	0.206	0.412	-0.412
5	-0.021	0.206	0.412	-0.412
6	-0.022	0.206	0.412	-0.412
7	-0.106	0.206	0.412	-0.412
8	-0.094	0.207	0.414	-0.414
9	-0.094	0.207	0.415	-0.415
10	-0.047	0.208	0.416	-0.416
11	-0.055	0.208	0.416	-0.416
12	-0.033	0.208	0.417	-0.417
13	0.298	0.208	0.417	-0.417
14	0.035	0.214	0.428	-0.428
15	-0.138	0.214	0.429	-0.429

Camp Keais Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.083	0.531	0.386	-0.042

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.083333	0.53062	0.38648	-0.041667

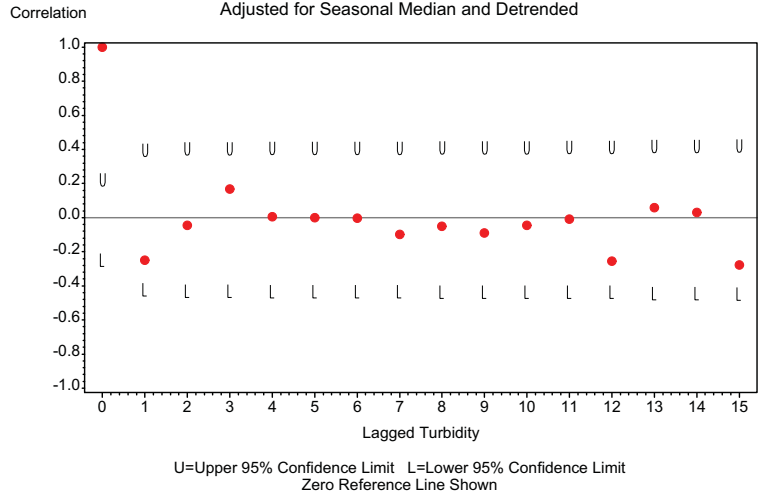
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Turbidity



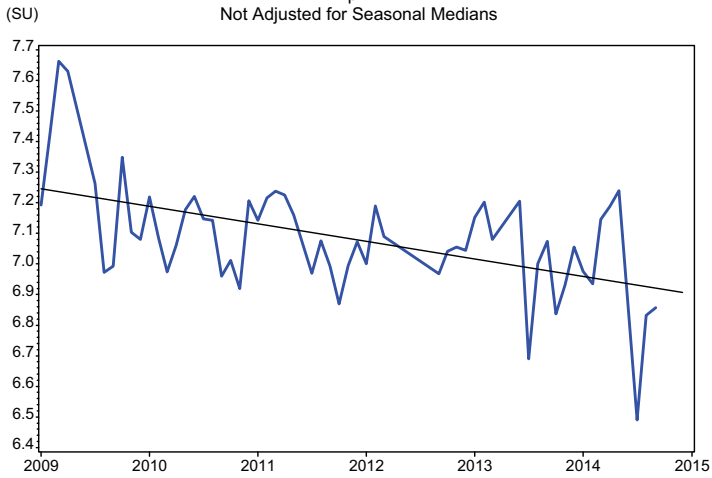
Camp Keais Trends Appendix
Autocorrelation Statistics for Turbidity
Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.250	0.204	0.408	-0.408
2	-0.045	0.208	0.417	-0.417
3	0.168	0.208	0.417	-0.417
4	0.005	0.210	0.421	-0.421
5	0.000	0.210	0.421	-0.421
6	-0.003	0.210	0.421	-0.421
7	-0.098	0.210	0.421	-0.421
8	-0.052	0.211	0.422	-0.422
9	-0.090	0.211	0.422	-0.422
10	-0.044	0.212	0.423	-0.423
11	-0.010	0.212	0.424	-0.424
12	-0.255	0.212	0.424	-0.424
13	0.057	0.216	0.432	-0.432
14	0.030	0.216	0.432	-0.432
15	-0.279	0.216	0.433	-0.433

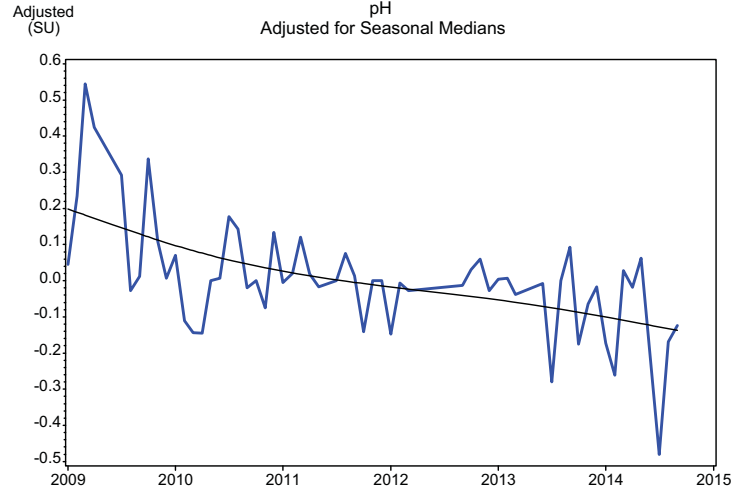
Camp Keais Trends Appendix
Correlogram for Turbidity
Adjusted for Seasonal Median and Detrended



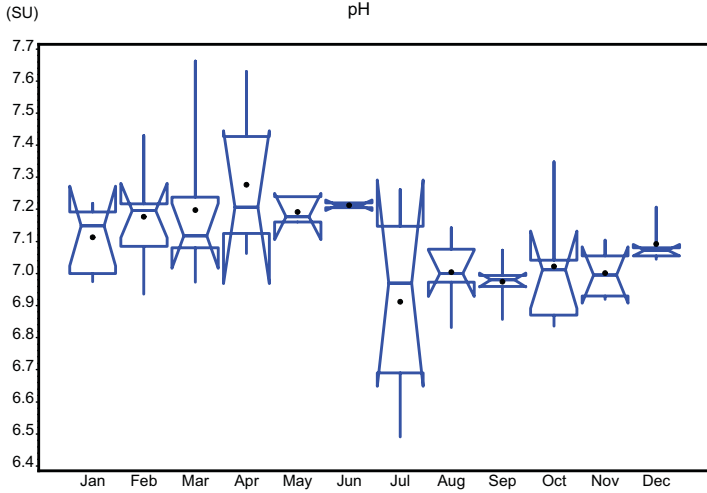
Camp Keais Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



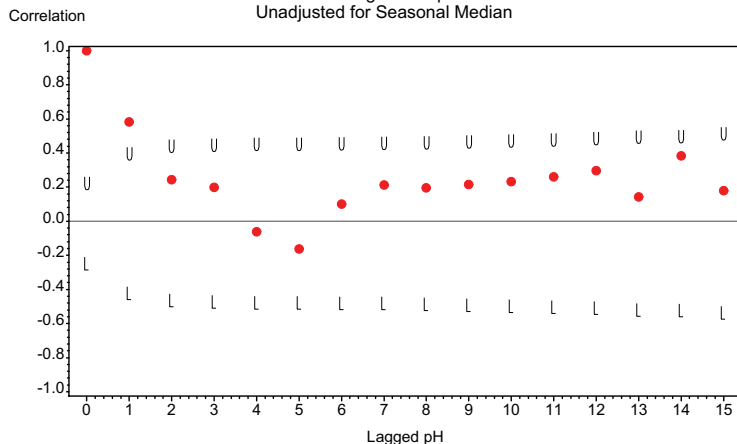
Camp Keais Trends Appendix
Seasonal Univariate Statistics
pH



Camp Keais Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.581	0.204	0.408	-0.408
2	0.243	0.226	0.452	-0.452
3	0.197	0.230	0.459	-0.459
4	-0.062	0.232	0.464	-0.464
5	-0.162	0.232	0.464	-0.464
6	0.100	0.234	0.467	-0.467
7	0.211	0.234	0.469	-0.469
8	0.195	0.237	0.474	-0.474
9	0.215	0.239	0.478	-0.478
10	0.232	0.242	0.484	-0.484
11	0.260	0.245	0.490	-0.490
12	0.297	0.249	0.497	-0.497
13	0.141	0.254	0.507	-0.507
14	0.382	0.255	0.509	-0.509
15	0.180	0.262	0.525	-0.525

Camp Keais Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

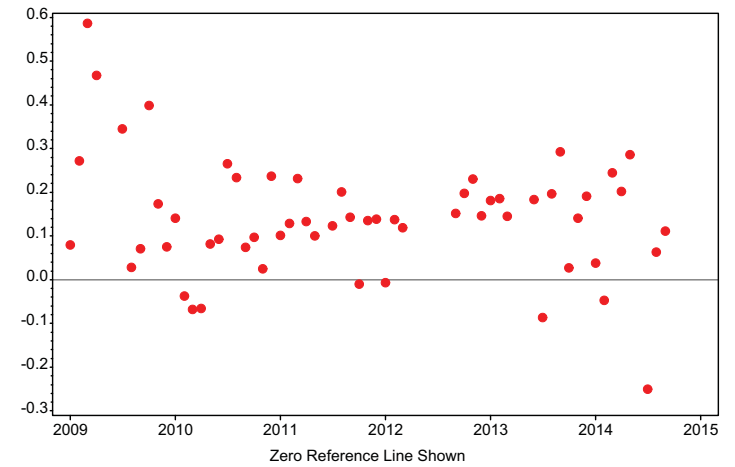
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.425	.001	0.039	-0.035

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.425	.000543216	0.039156	-0.03525

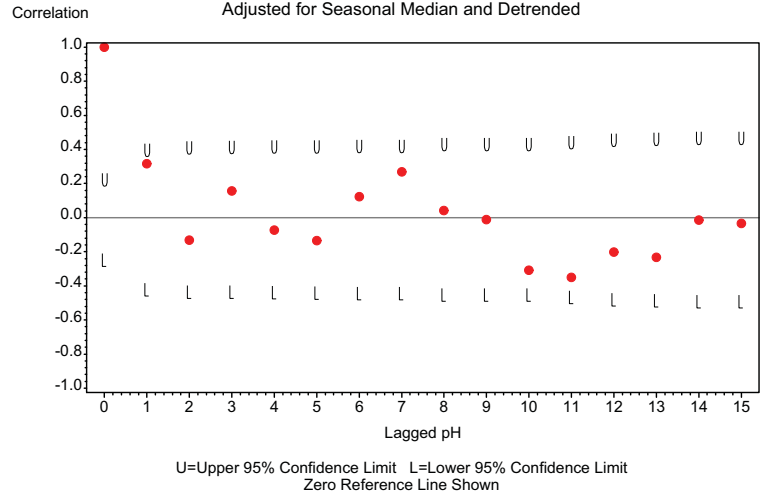
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
 pH



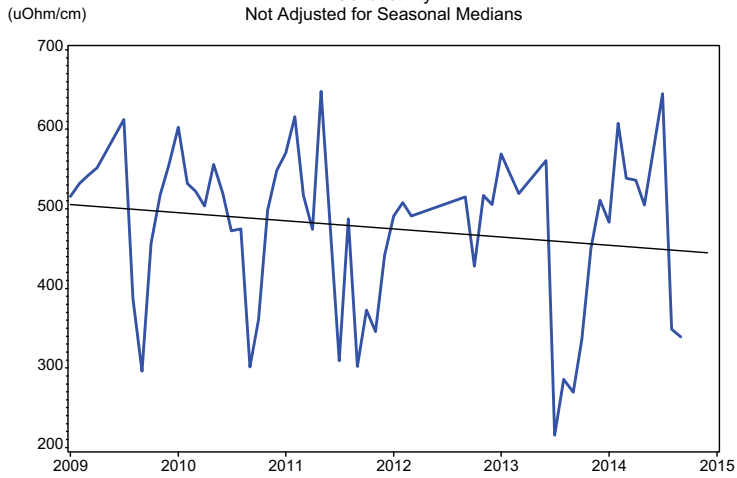
Camp Keais Trends Appendix
Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.316	0.204	0.408	-0.408
2	-0.133	0.211	0.422	-0.422
3	0.156	0.212	0.424	-0.424
4	-0.074	0.214	0.427	-0.427
5	-0.135	0.214	0.428	-0.428
6	0.122	0.215	0.430	-0.430
7	0.267	0.216	0.432	-0.432
8	0.042	0.221	0.441	-0.441
9	-0.011	0.221	0.441	-0.441
10	-0.308	0.221	0.441	-0.441
11	-0.350	0.227	0.453	-0.453
12	-0.203	0.234	0.468	-0.468
13	-0.232	0.236	0.473	-0.473
14	-0.014	0.240	0.479	-0.479
15	-0.034	0.240	0.479	-0.479

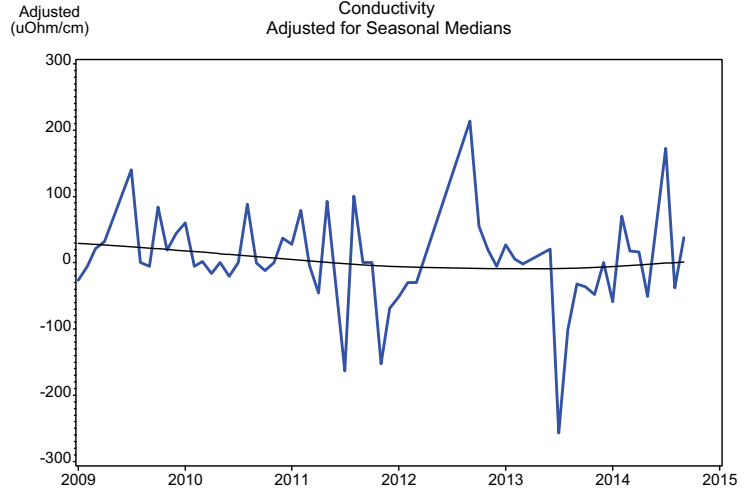
Camp Keais Trends Appendix
Correlogram for pH
 Adjusted for Seasonal Median and Detrended



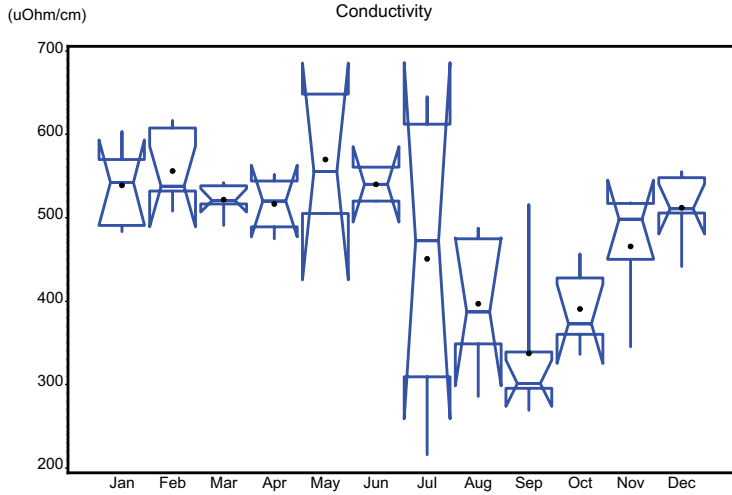
Camp Keais Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



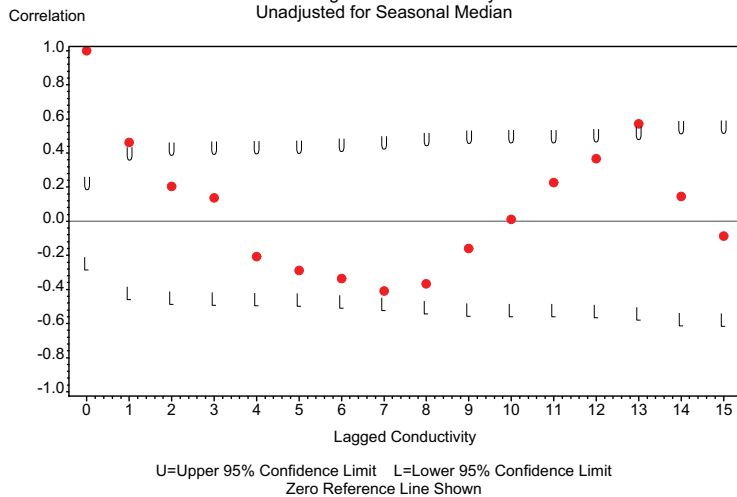
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Conductivity



Camp Keais Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.462	0.204	0.408	-0.408
2	0.203	0.218	0.436	-0.436
3	0.136	0.221	0.442	-0.442
4	-0.208	0.222	0.444	-0.444
5	-0.290	0.225	0.449	-0.449
6	-0.337	0.230	0.460	-0.460
7	-0.410	0.237	0.473	-0.473
8	-0.367	0.246	0.492	-0.492
9	-0.159	0.254	0.507	-0.507
10	0.012	0.255	0.510	-0.510
11	0.227	0.255	0.510	-0.510
12	0.365	0.258	0.516	-0.516
13	0.570	0.265	0.530	-0.530
14	0.144	0.281	0.563	-0.563
15	-0.088	0.283	0.565	-0.565

Camp Keais Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median

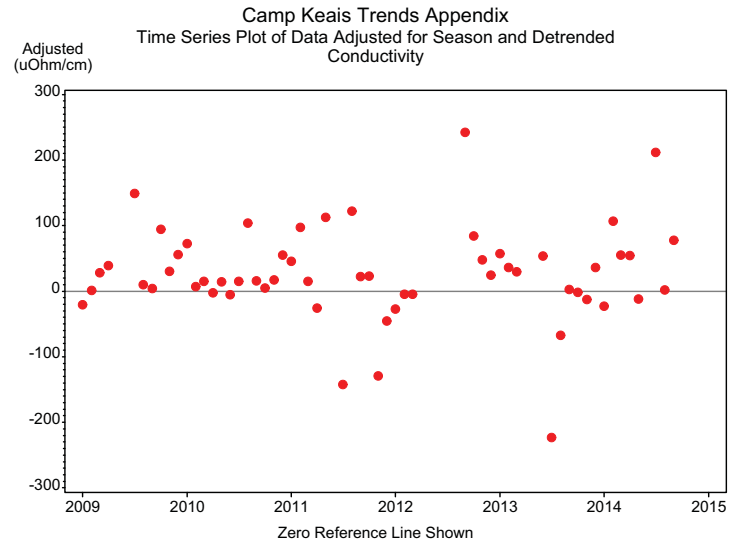


Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.167	0.19	0.24	-6.069

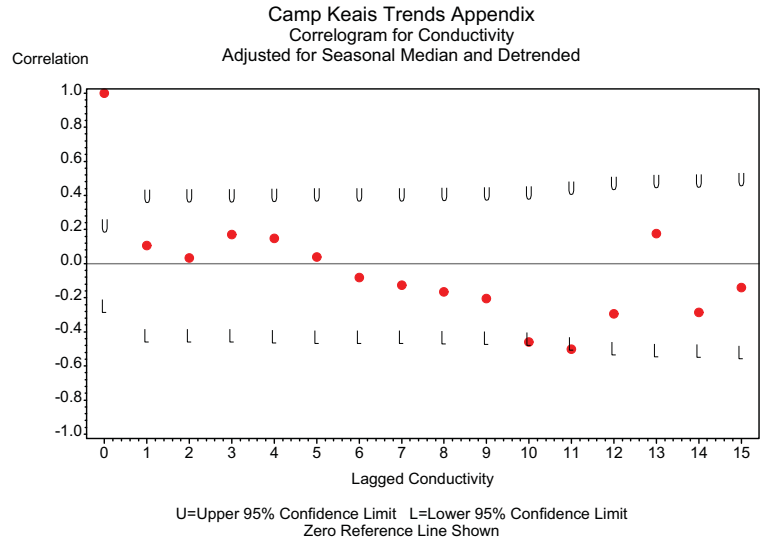
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16667	0.18982	0.23987	-6.06875

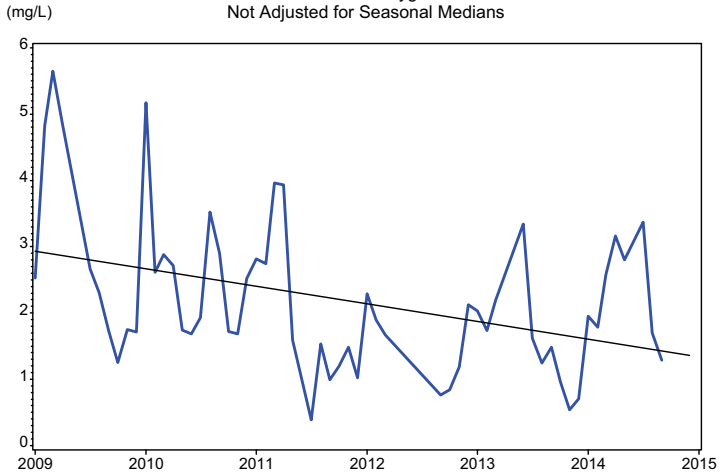


Camp Keais Trends Appendix
Autocorrelation Statistics for Conductivity
Adjusted for Seasonal Median and Detrended

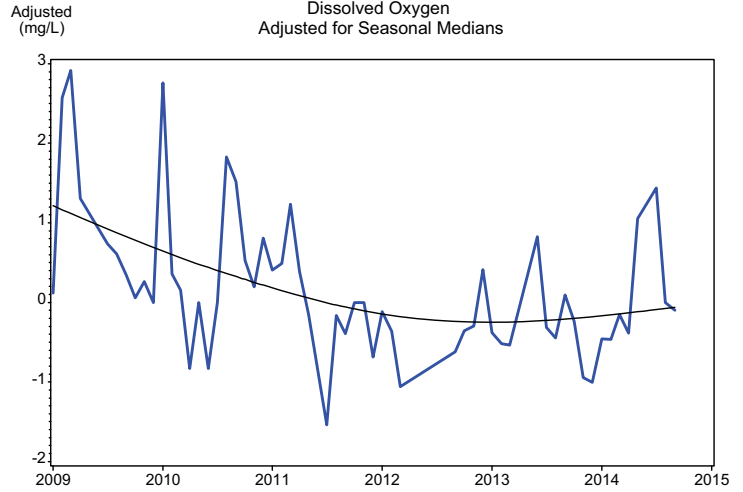
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.107	0.204	0.408	-0.408
2	0.032	0.205	0.410	-0.410
3	0.170	0.205	0.410	-0.410
4	0.147	0.207	0.414	-0.414
5	0.039	0.208	0.417	-0.417
6	-0.081	0.208	0.417	-0.417
7	-0.126	0.209	0.418	-0.418
8	-0.165	0.210	0.420	-0.420
9	-0.204	0.212	0.423	-0.423
10	-0.460	0.214	0.429	-0.429
11	-0.501	0.228	0.456	-0.456
12	-0.294	0.243	0.485	-0.485
13	0.175	0.247	0.495	-0.495
14	-0.285	0.249	0.498	-0.498
15	-0.140	0.254	0.507	-0.507



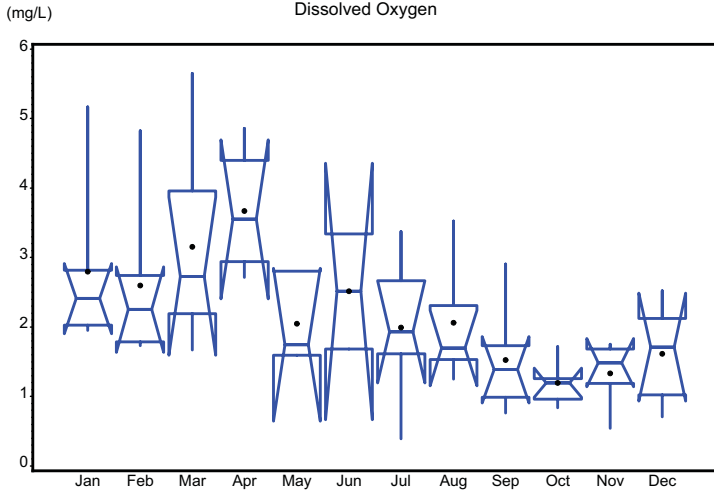
Camp Keais Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



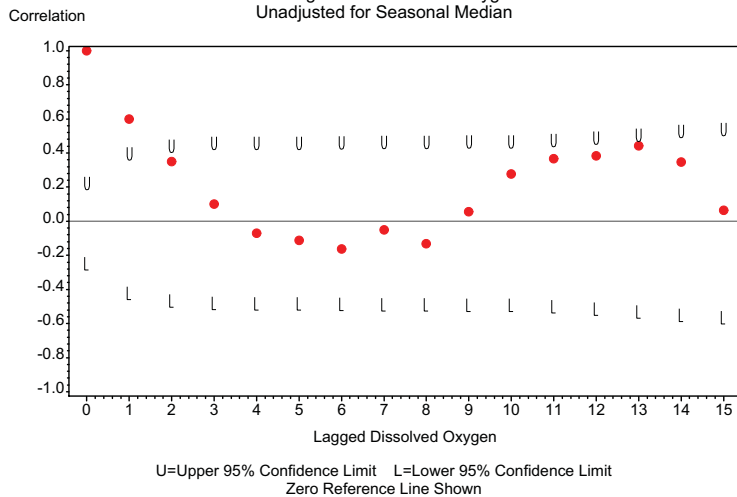
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Camp Keais Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.599	0.204	0.408	-0.408
2	0.349	0.227	0.454	-0.454
3	0.100	0.235	0.469	-0.469
4	-0.071	0.235	0.470	-0.470
5	-0.113	0.235	0.471	-0.471
6	-0.163	0.236	0.472	-0.472
7	-0.052	0.238	0.475	-0.475
8	-0.133	0.238	0.476	-0.476
9	0.056	0.239	0.478	-0.478
10	0.278	0.239	0.478	-0.478
11	0.367	0.244	0.487	-0.487
12	0.384	0.251	0.502	-0.502
13	0.443	0.259	0.518	-0.518
14	0.347	0.269	0.539	-0.539
15	0.065	0.276	0.551	-0.551

Camp Keais Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



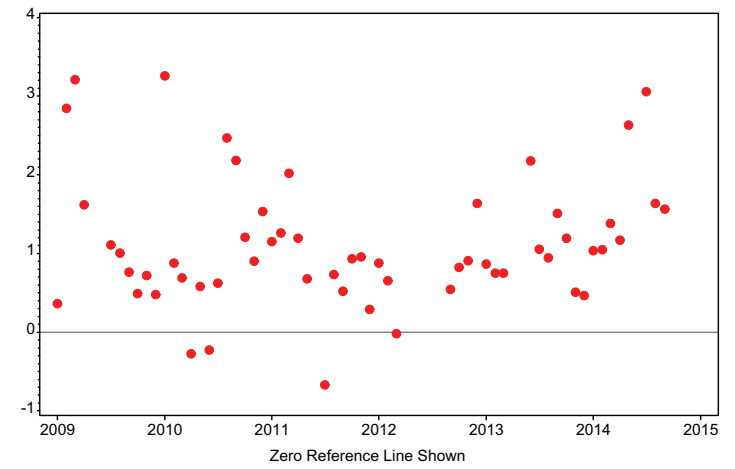
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.483	0	0.049	-0.249

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.48333	.000084009	0.049220	-0.249

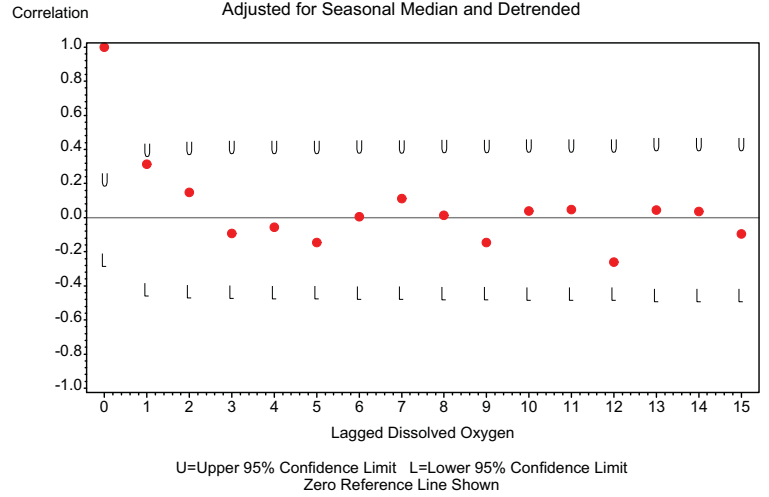
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Dissolved Oxygen



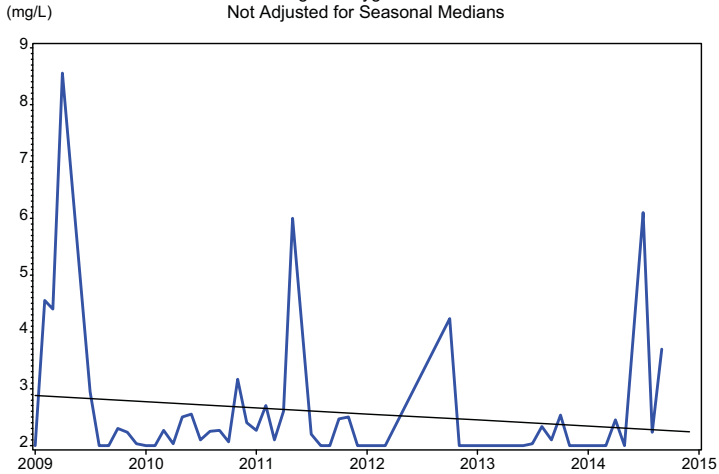
Camp Keais Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.313	0.204	0.408	-0.408
2	0.149	0.211	0.421	-0.421
3	-0.092	0.212	0.424	-0.424
4	-0.056	0.213	0.425	-0.425
5	-0.145	0.213	0.426	-0.426
6	0.005	0.214	0.429	-0.429
7	0.111	0.214	0.429	-0.429
8	0.014	0.215	0.430	-0.430
9	-0.146	0.215	0.430	-0.430
10	0.038	0.216	0.433	-0.433
11	0.047	0.217	0.433	-0.433
12	-0.260	0.217	0.433	-0.433
13	0.045	0.221	0.442	-0.442
14	0.036	0.221	0.442	-0.442
15	-0.096	0.221	0.442	-0.442

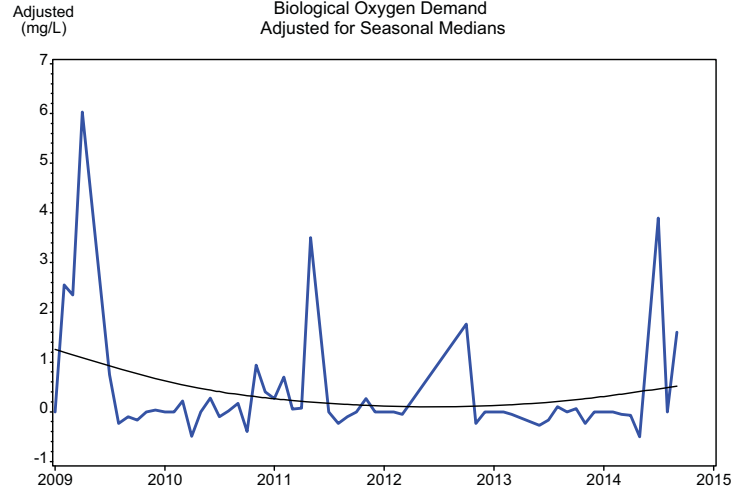
Camp Keais Trends Appendix
Correlogram for Dissolved Oxygen
Adjusted for Seasonal Median and Detrended



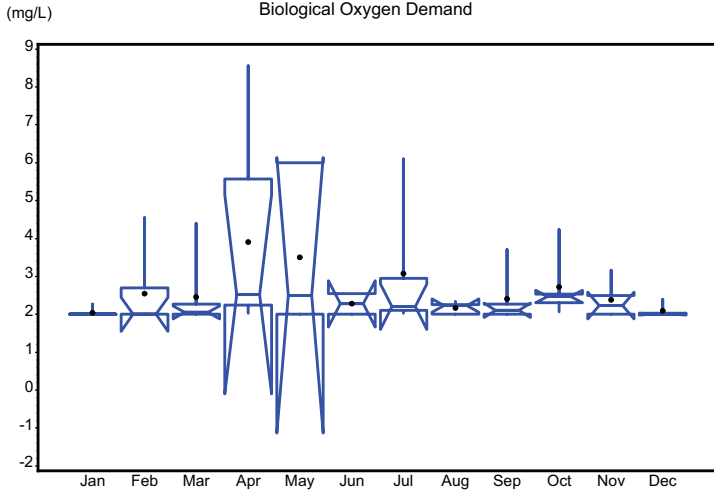
Camp Keais Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



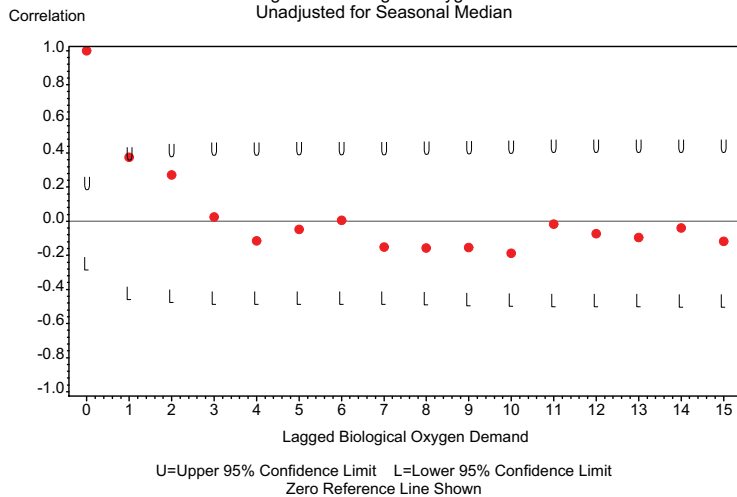
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Camp Keais Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.375	0.204	0.408	-0.408
2	0.271	0.213	0.427	-0.427
3	0.024	0.218	0.436	-0.436
4	-0.114	0.218	0.436	-0.436
5	-0.048	0.219	0.438	-0.438
6	0.006	0.219	0.438	-0.438
7	-0.151	0.219	0.438	-0.438
8	-0.158	0.221	0.441	-0.441
9	-0.155	0.222	0.444	-0.444
10	-0.187	0.224	0.447	-0.447
11	-0.018	0.226	0.452	-0.452
12	-0.072	0.226	0.452	-0.452
13	-0.097	0.226	0.452	-0.452
14	-0.041	0.227	0.454	-0.454
15	-0.117	0.227	0.454	-0.454

Camp Keais Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



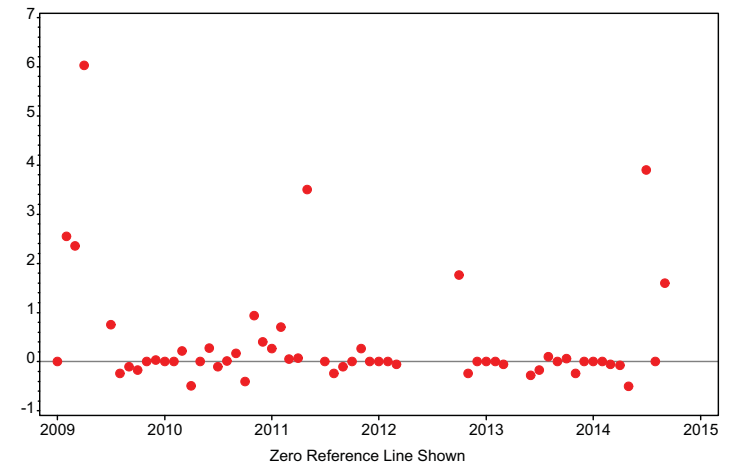
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.174	0.136	0.068	0

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17391	0.13630	0.067508	0

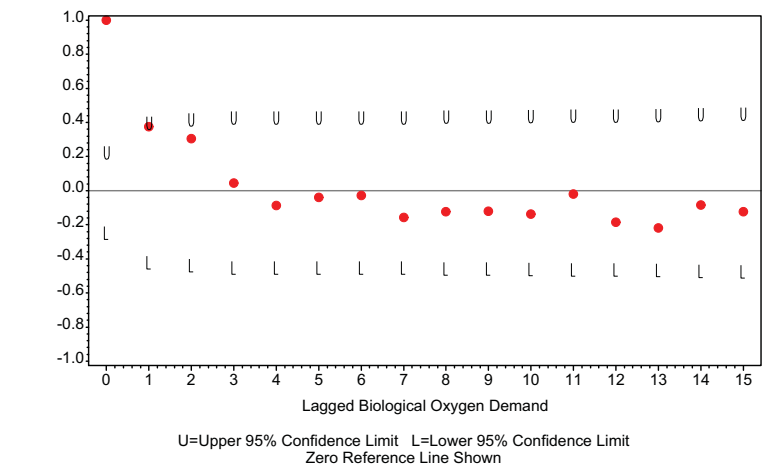
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Biological Oxygen Demand



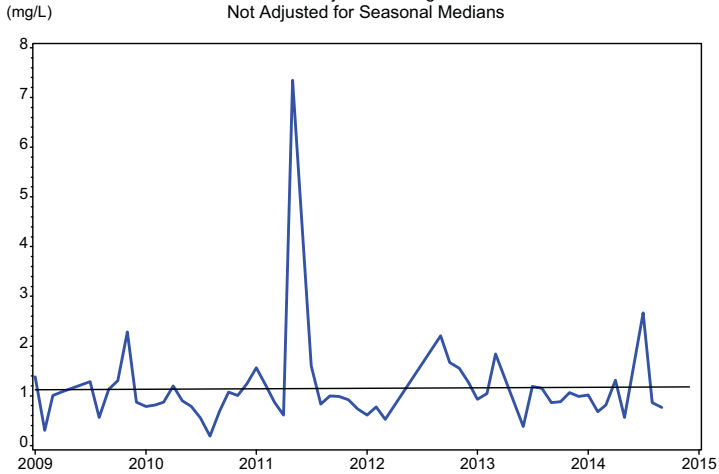
Camp Keais Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.376	0.204	0.408	-0.408
2	0.304	0.214	0.427	-0.427
3	0.043	0.219	0.439	-0.439
4	-0.088	0.220	0.439	-0.439
5	-0.039	0.220	0.440	-0.440
6	-0.028	0.220	0.440	-0.440
7	-0.157	0.220	0.440	-0.440
8	-0.124	0.222	0.444	-0.444
9	-0.121	0.223	0.445	-0.445
10	-0.139	0.224	0.447	-0.447
11	-0.021	0.225	0.450	-0.450
12	-0.185	0.225	0.450	-0.450
13	-0.219	0.227	0.454	-0.454
14	-0.084	0.230	0.460	-0.460
15	-0.124	0.230	0.461	-0.461

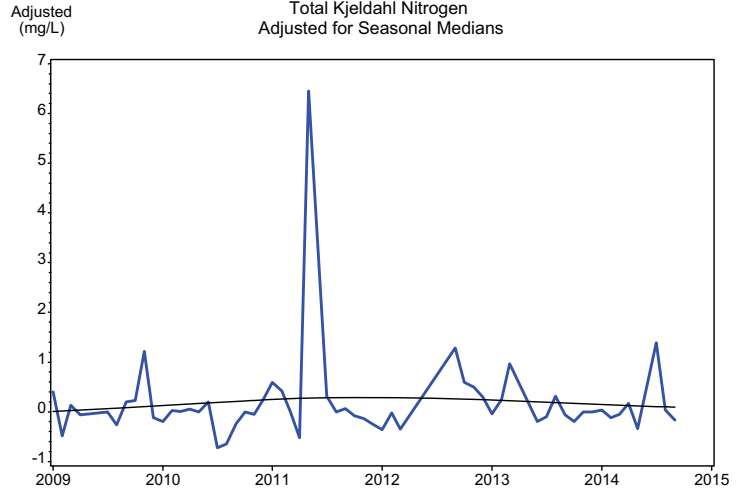
Camp Keais Trends Appendix
Correlogram for Biological Oxygen Demand
Adjusted for Seasonal Median and Detrended



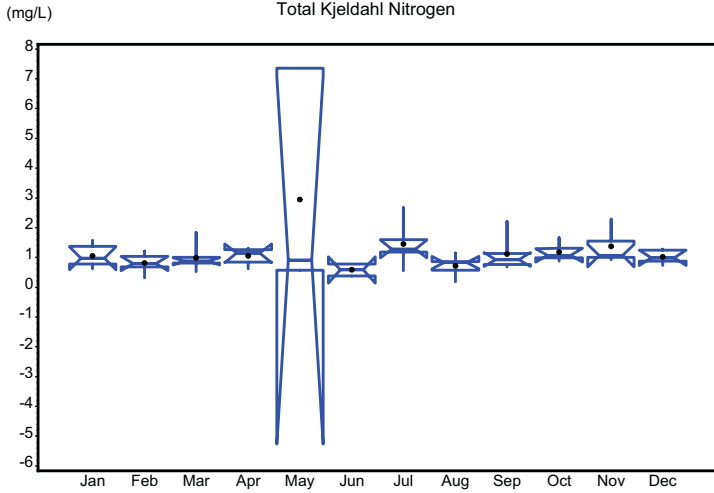
Camp Keais Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



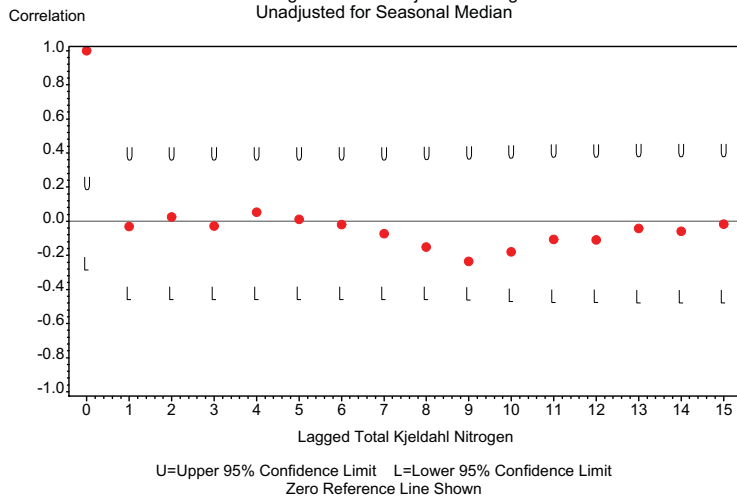
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Camp Keais Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.031	0.204	0.408	-0.408
2	0.025	0.204	0.408	-0.408
3	-0.028	0.204	0.408	-0.408
4	0.052	0.204	0.409	-0.409
5	0.010	0.204	0.409	-0.409
6	-0.020	0.204	0.409	-0.409
7	-0.074	0.205	0.409	-0.409
8	-0.153	0.205	0.410	-0.410
9	-0.236	0.206	0.413	-0.413
10	-0.180	0.210	0.420	-0.420
11	-0.108	0.212	0.425	-0.425
12	-0.109	0.213	0.426	-0.426
13	-0.042	0.214	0.428	-0.428
14	-0.060	0.214	0.428	-0.428
15	-0.016	0.214	0.428	-0.428

Camp Keais Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



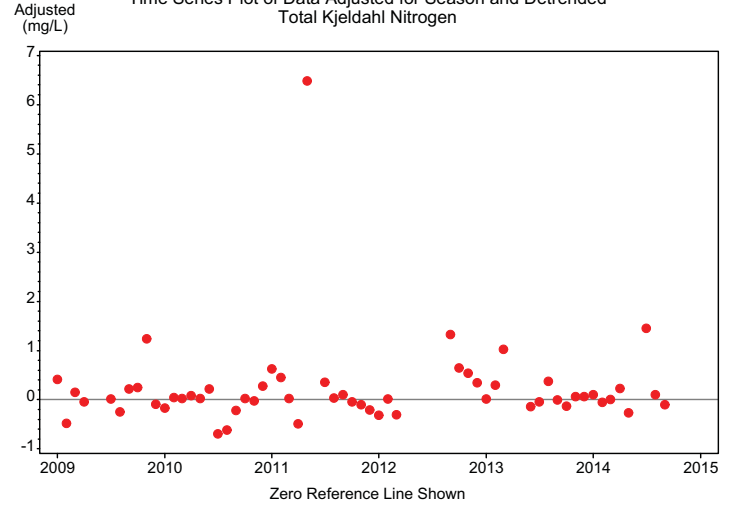
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.017	0.945	0.913	-0.01

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.016667	0.94499	0.91312	-0.010125

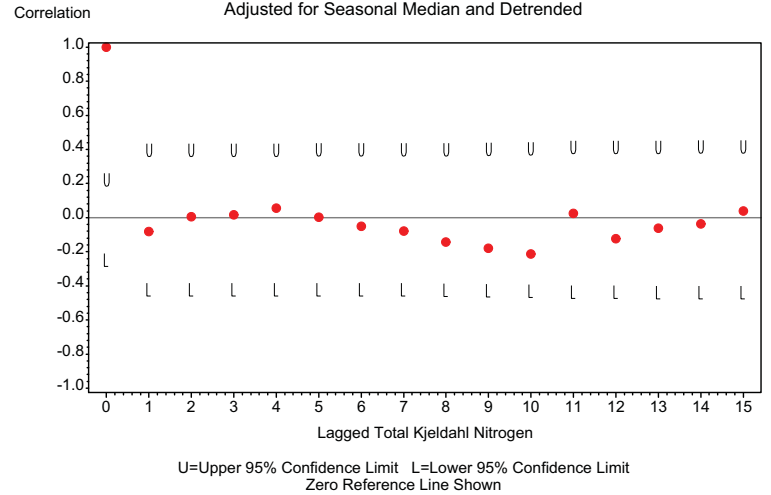
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Total Kjeldahl Nitrogen



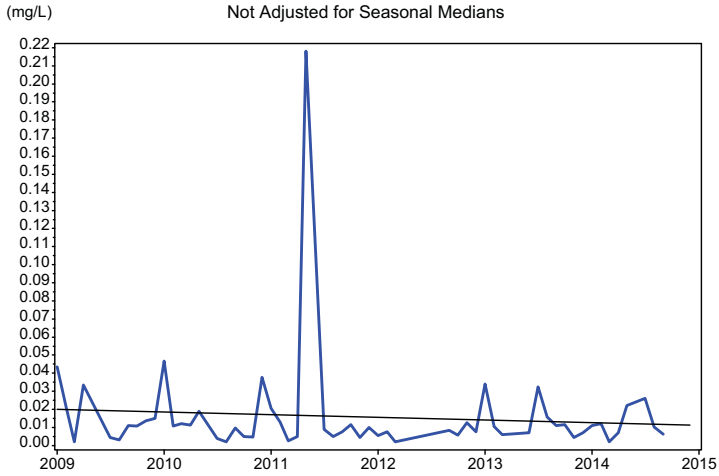
Camp Keais Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.082	0.204	0.408	-0.408
2	0.004	0.205	0.409	-0.409
3	0.017	0.205	0.409	-0.409
4	0.056	0.205	0.409	-0.409
5	0.003	0.205	0.410	-0.410
6	-0.052	0.205	0.410	-0.410
7	-0.078	0.205	0.410	-0.410
8	-0.143	0.205	0.411	-0.411
9	-0.181	0.207	0.414	-0.414
10	-0.213	0.209	0.418	-0.418
11	0.026	0.212	0.424	-0.424
12	-0.124	0.212	0.424	-0.424
13	-0.063	0.213	0.426	-0.426
14	-0.037	0.213	0.427	-0.427
15	0.038	0.213	0.427	-0.427

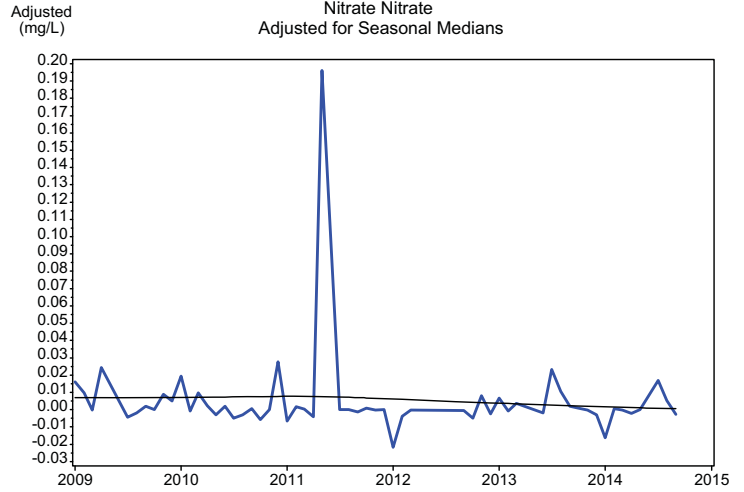
Camp Keais Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Adjusted for Seasonal Median and Detrended



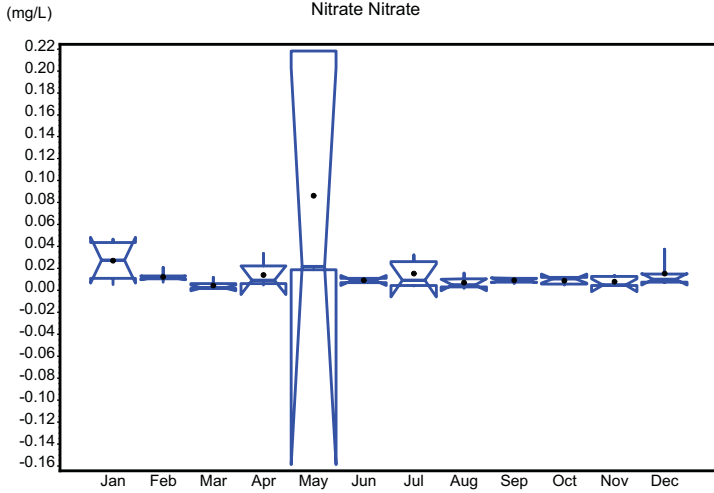
Camp Keais Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



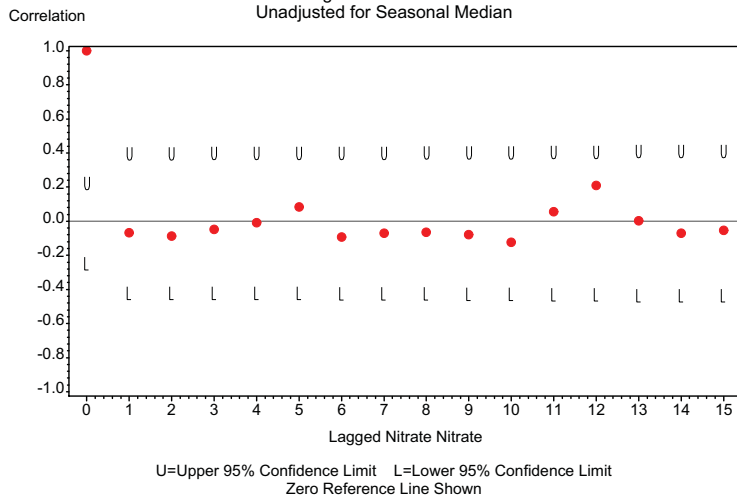
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Camp Keais Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.067	0.204	0.408	-0.408
2	-0.086	0.204	0.409	-0.409
3	-0.049	0.205	0.410	-0.410
4	-0.009	0.205	0.410	-0.410
5	0.084	0.205	0.410	-0.410
6	-0.092	0.206	0.411	-0.411
7	-0.071	0.206	0.412	-0.412
8	-0.066	0.206	0.413	-0.413
9	-0.079	0.207	0.414	-0.414
10	-0.125	0.207	0.414	-0.414
11	0.056	0.208	0.416	-0.416
12	0.209	0.208	0.417	-0.417
13	0.001	0.211	0.423	-0.423
14	-0.071	0.211	0.423	-0.423
15	-0.055	0.212	0.423	-0.423

Camp Keais Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



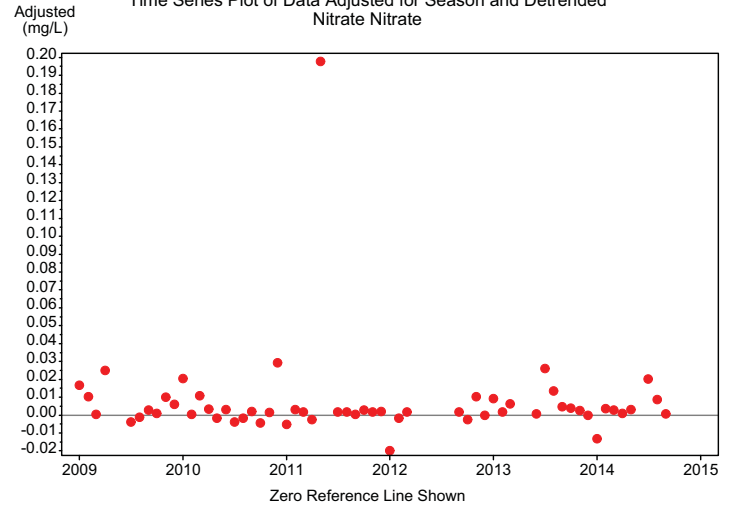
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.175	0.16	0.184	-0.001

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.15	0.22067	0.26711	-0.0005

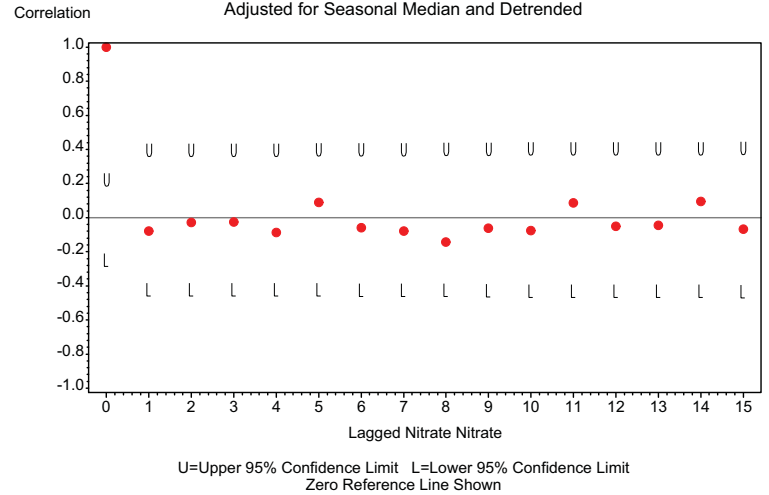
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Nitrate Nitrate



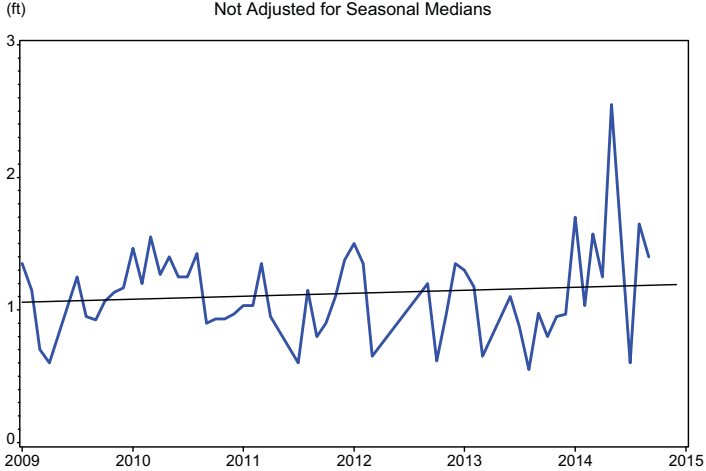
Camp Keais Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.079	0.204	0.408	-0.408
2	-0.028	0.205	0.409	-0.409
3	-0.026	0.205	0.409	-0.409
4	-0.086	0.205	0.409	-0.409
5	0.088	0.205	0.410	-0.410
6	-0.058	0.206	0.411	-0.411
7	-0.080	0.206	0.412	-0.412
8	-0.142	0.206	0.413	-0.413
9	-0.063	0.208	0.415	-0.415
10	-0.075	0.208	0.416	-0.416
11	0.086	0.208	0.417	-0.417
12	-0.052	0.209	0.418	-0.418
13	-0.045	0.209	0.418	-0.418
14	0.095	0.209	0.418	-0.418
15	-0.069	0.210	0.419	-0.419

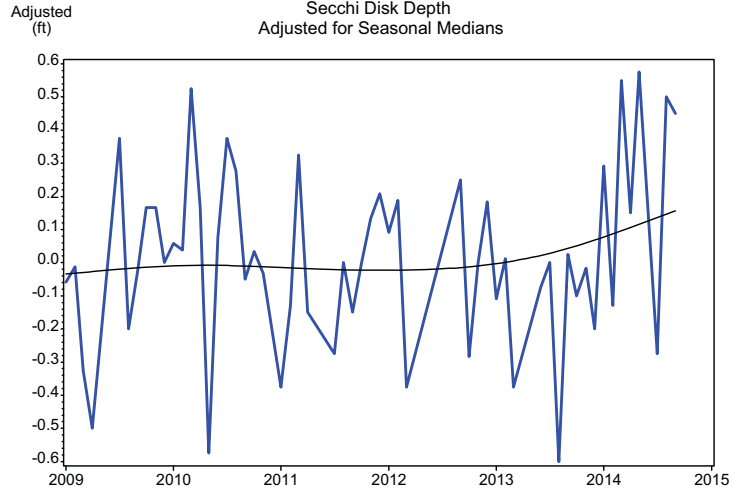
Camp Keais Trends Appendix
Correlogram for Nitrate Nitrate
Adjusted for Seasonal Median and Detrended



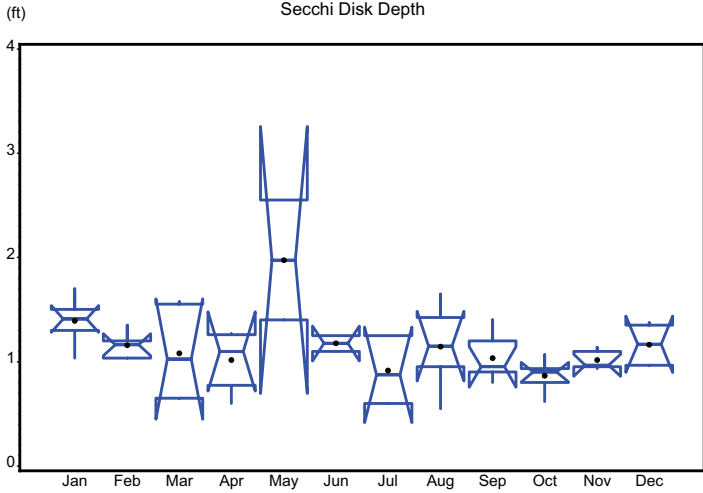
Camp Keais Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



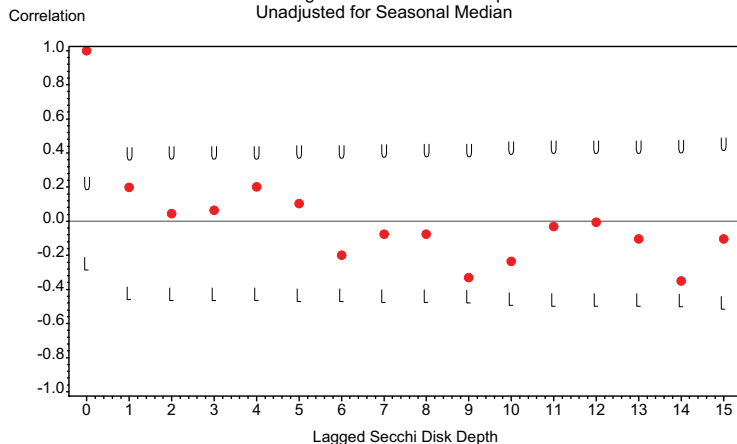
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Camp Keais Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.198	0.204	0.408	-0.408
2	0.044	0.207	0.414	-0.414
3	0.064	0.207	0.414	-0.414
4	0.200	0.207	0.414	-0.414
5	0.103	0.210	0.420	-0.420
6	-0.198	0.211	0.421	-0.421
7	-0.075	0.213	0.426	-0.426
8	-0.076	0.213	0.427	-0.427
9	-0.332	0.214	0.428	-0.428
10	-0.237	0.221	0.442	-0.442
11	-0.032	0.224	0.449	-0.449
12	-0.007	0.224	0.449	-0.449
13	-0.103	0.224	0.449	-0.449
14	-0.351	0.225	0.450	-0.450
15	-0.105	0.233	0.465	-0.465

Camp Keais Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

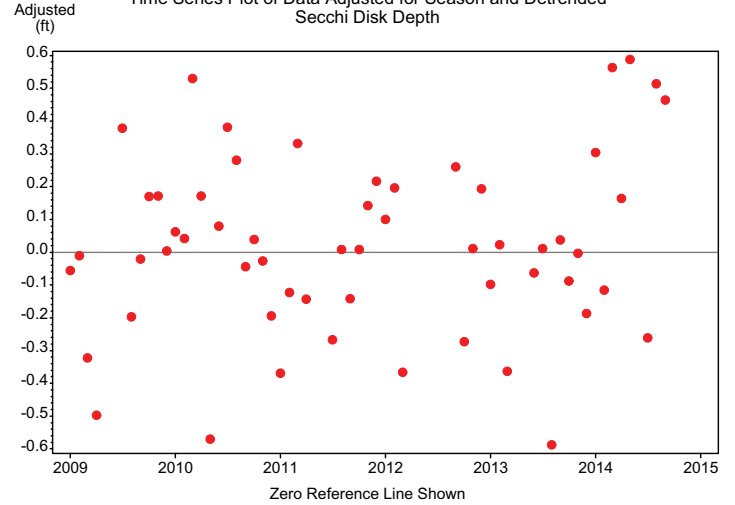
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.042	0.779	0.812	-0.002

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.042373	0.77855	0.81206	-0.002125

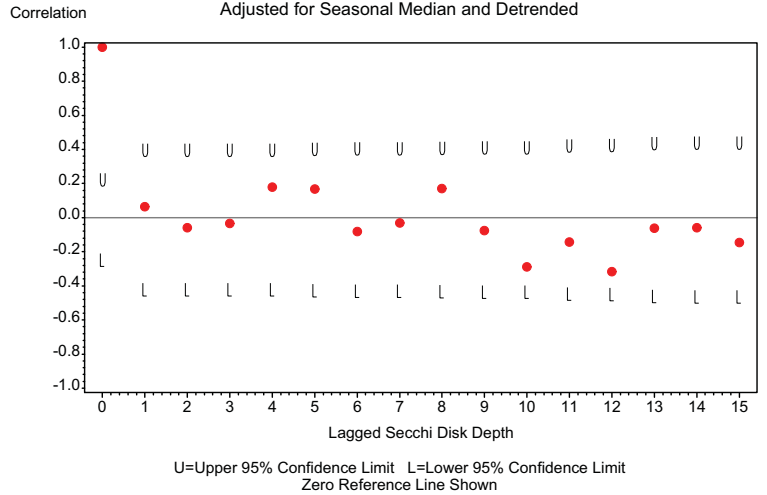
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Secchi Disk Depth



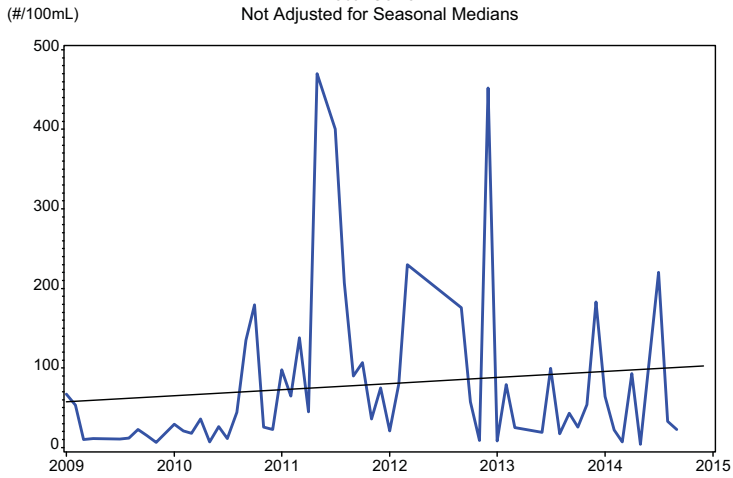
Camp Keais Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.064	0.204	0.408	-0.408
2	-0.060	0.204	0.409	-0.409
3	-0.033	0.205	0.409	-0.409
4	0.180	0.205	0.409	-0.409
5	0.167	0.207	0.414	-0.414
6	-0.081	0.209	0.418	-0.418
7	-0.032	0.209	0.418	-0.418
8	0.171	0.209	0.419	-0.419
9	-0.075	0.211	0.422	-0.422
10	-0.289	0.212	0.423	-0.423
11	-0.142	0.217	0.434	-0.434
12	-0.317	0.218	0.437	-0.437
13	-0.063	0.225	0.449	-0.449
14	-0.058	0.225	0.450	-0.450
15	-0.145	0.225	0.450	-0.450

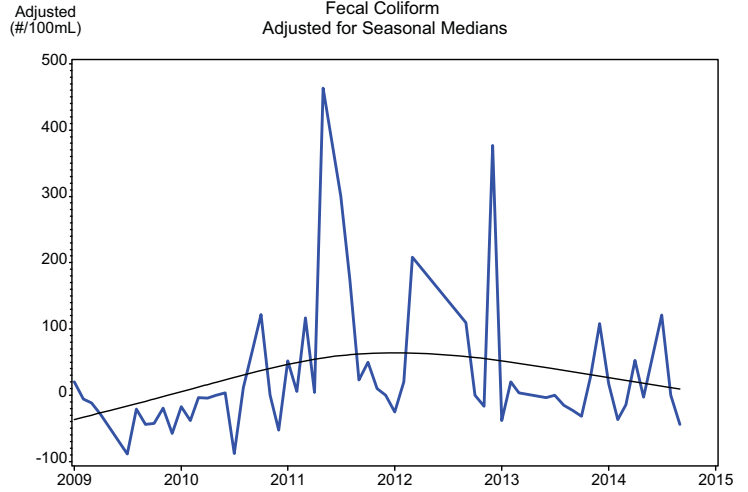
Camp Keais Trends Appendix
Correlogram for Secchi Disk Depth
Adjusted for Seasonal Median and Detrended



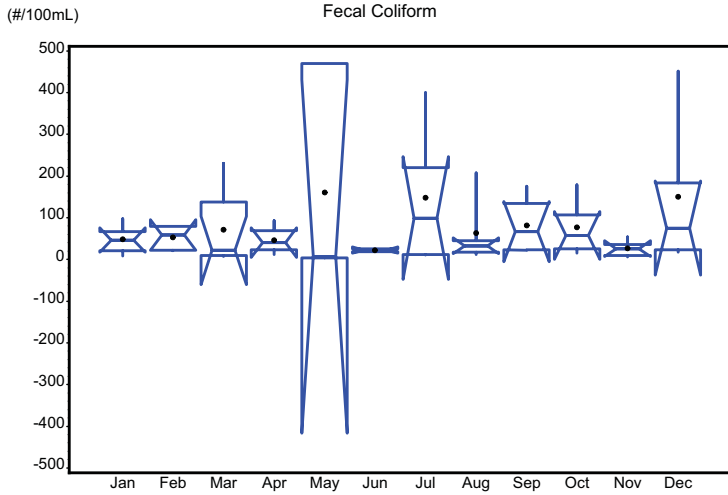
Camp Keais Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Camp Keais Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



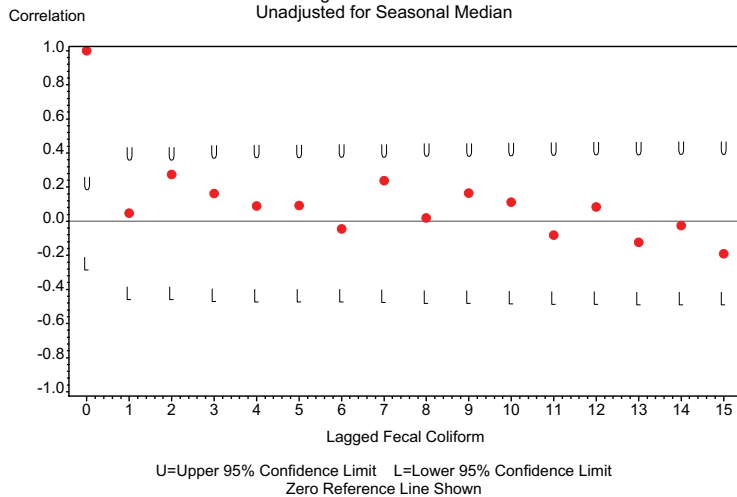
Camp Keais Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Camp Keais Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.047	0.204	0.408	-0.408
2	0.275	0.204	0.409	-0.409
3	0.163	0.209	0.419	-0.419
4	0.088	0.211	0.422	-0.422
5	0.091	0.212	0.423	-0.423
6	-0.044	0.212	0.424	-0.424
7	0.238	0.212	0.425	-0.425
8	0.018	0.216	0.432	-0.432
9	0.165	0.216	0.432	-0.432
10	0.112	0.218	0.435	-0.435
11	-0.081	0.218	0.437	-0.437
12	0.083	0.219	0.438	-0.438
13	-0.124	0.219	0.439	-0.439
14	-0.025	0.220	0.441	-0.441
15	-0.191	0.220	0.441	-0.441

Camp Keais Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



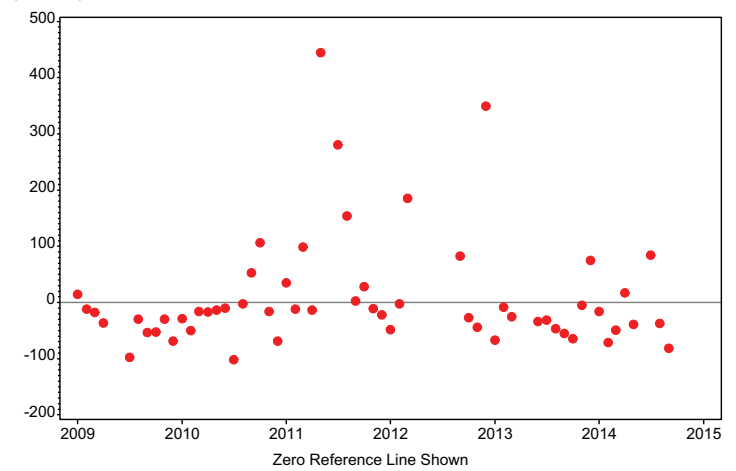
Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.183	0.147	0.422	5.667

Camp Keais Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.18333	0.14730	0.42200	5.667

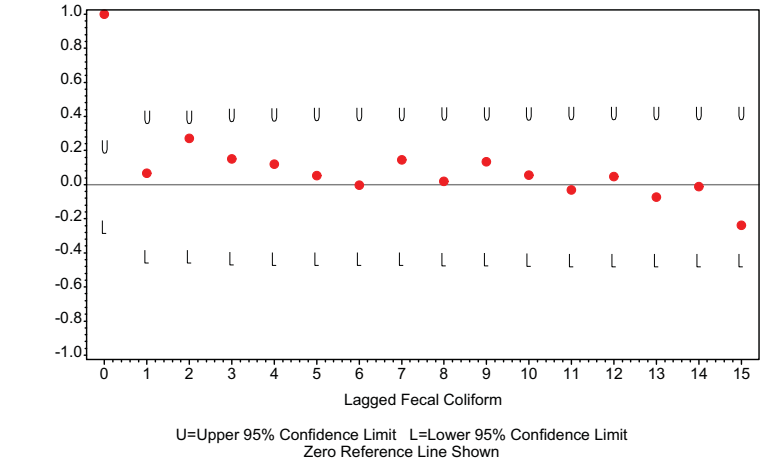
Camp Keais Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Fecal Coliform



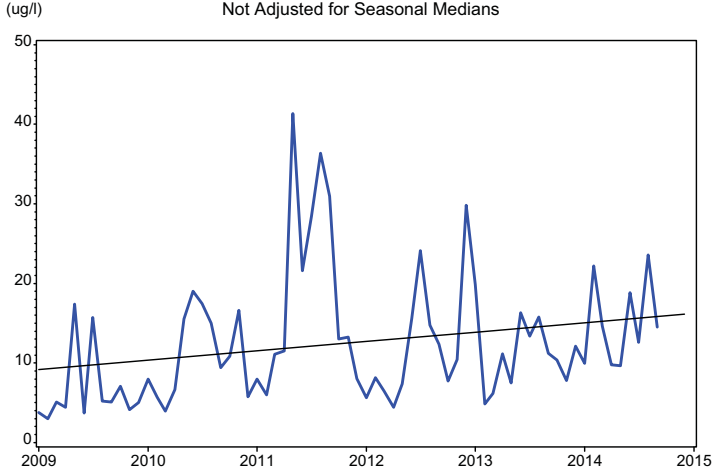
Camp Keais Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.067	0.204	0.408	-0.408
2	0.272	0.204	0.409	-0.409
3	0.152	0.209	0.419	-0.419
4	0.119	0.211	0.422	-0.422
5	0.052	0.212	0.424	-0.424
6	-0.003	0.212	0.424	-0.424
7	0.146	0.212	0.424	-0.424
8	0.020	0.213	0.427	-0.427
9	0.135	0.213	0.427	-0.427
10	0.055	0.215	0.429	-0.429
11	-0.031	0.215	0.430	-0.430
12	0.048	0.215	0.430	-0.430
13	-0.074	0.215	0.430	-0.430
14	-0.011	0.215	0.431	-0.431
15	-0.238	0.215	0.431	-0.431

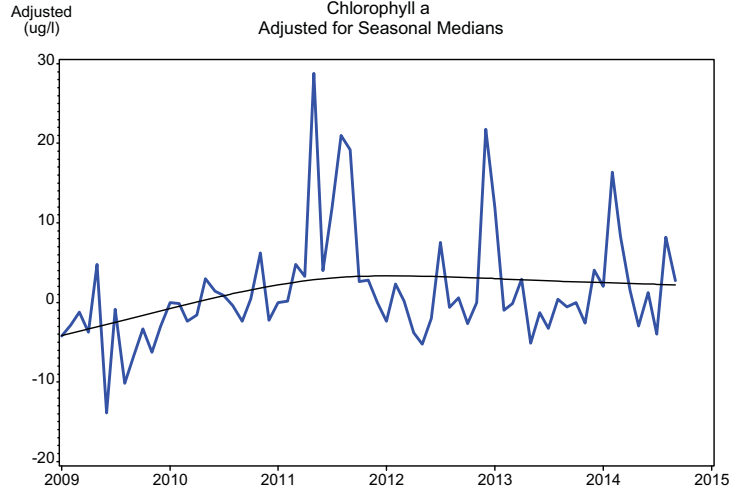
Camp Keais Trends Appendix
Correlogram for Fecal Coliform
Adjusted for Seasonal Median and Detrended



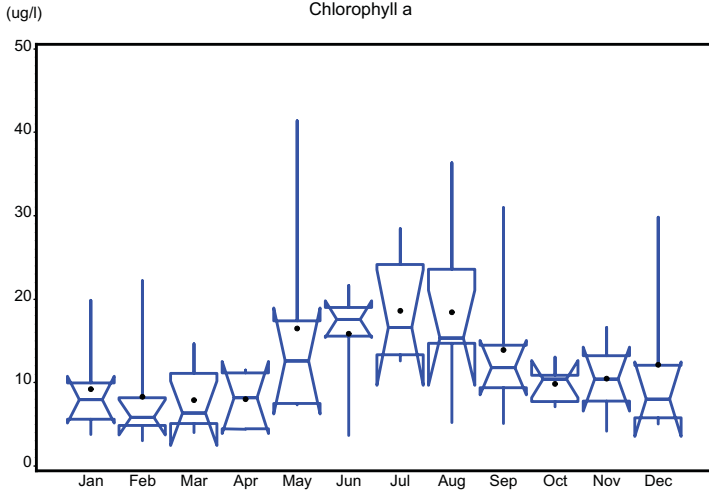
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



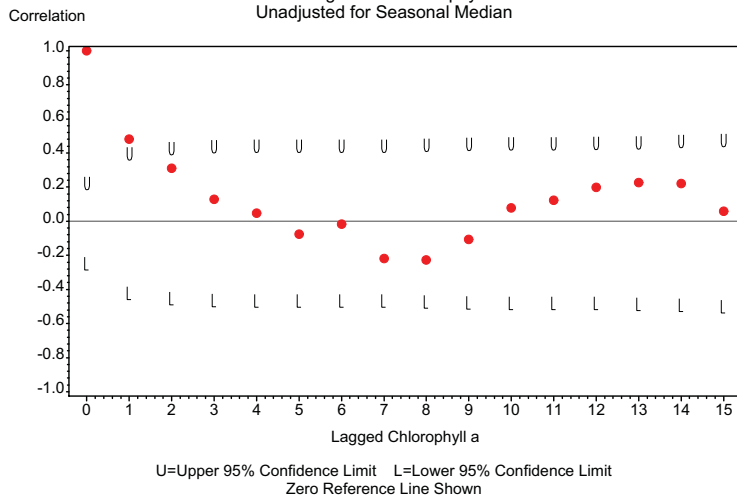
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.481	0.204	0.408	-0.408
2	0.309	0.219	0.439	-0.439
3	0.127	0.225	0.451	-0.451
4	0.048	0.226	0.453	-0.453
5	-0.075	0.226	0.453	-0.453
6	-0.016	0.227	0.454	-0.454
7	-0.218	0.227	0.454	-0.454
8	-0.226	0.230	0.459	-0.459
9	-0.108	0.233	0.465	-0.465
10	0.077	0.233	0.467	-0.467
11	0.122	0.234	0.468	-0.468
12	0.199	0.235	0.469	-0.469
13	0.226	0.237	0.474	-0.474
14	0.221	0.240	0.480	-0.480
15	0.059	0.243	0.486	-0.486

Cocohatchee Inland Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



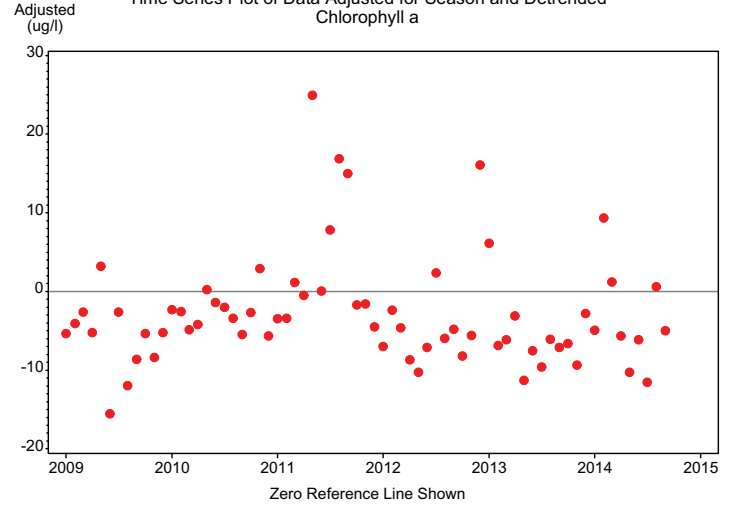
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.248	0.022	0.282	1.156

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.24849	0.021999	0.28222	1.1555

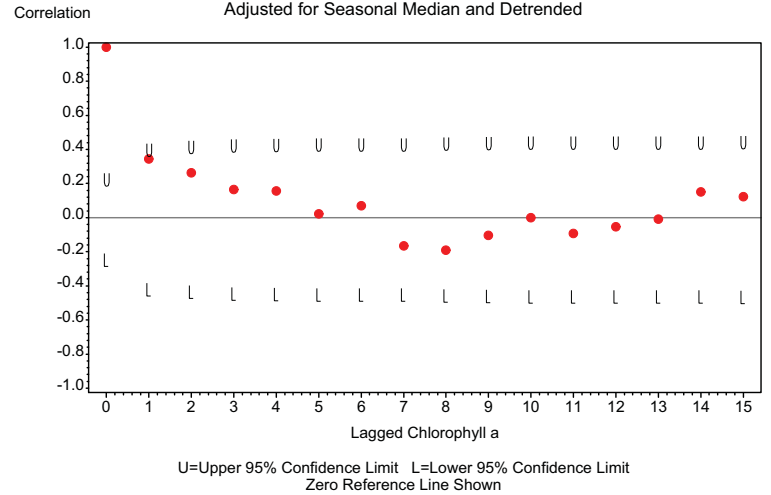
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



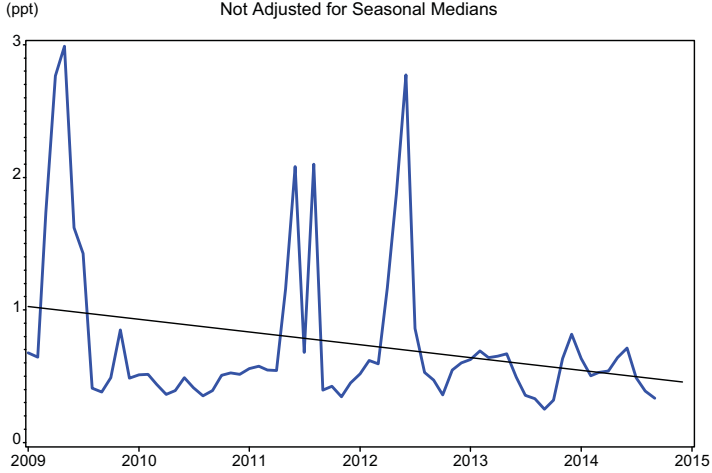
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.345	0.204	0.408	-0.408
2	0.264	0.212	0.424	-0.424
3	0.165	0.217	0.433	-0.433
4	0.156	0.218	0.437	-0.437
5	0.022	0.220	0.440	-0.440
6	0.069	0.220	0.440	-0.440
7	-0.167	0.220	0.440	-0.440
8	-0.192	0.222	0.444	-0.444
9	-0.105	0.224	0.448	-0.448
10	0.000	0.225	0.450	-0.450
11	-0.094	0.225	0.450	-0.450
12	-0.055	0.225	0.451	-0.451
13	-0.008	0.226	0.451	-0.451
14	0.152	0.226	0.451	-0.451
15	0.122	0.227	0.454	-0.454

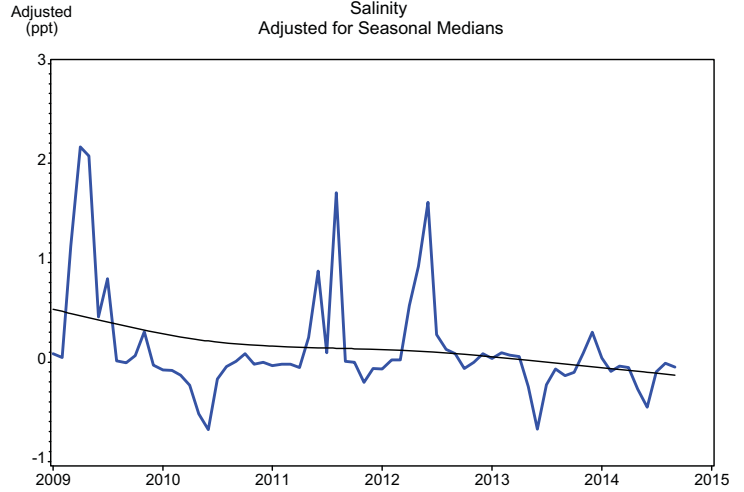
Cocohatchee Inland Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



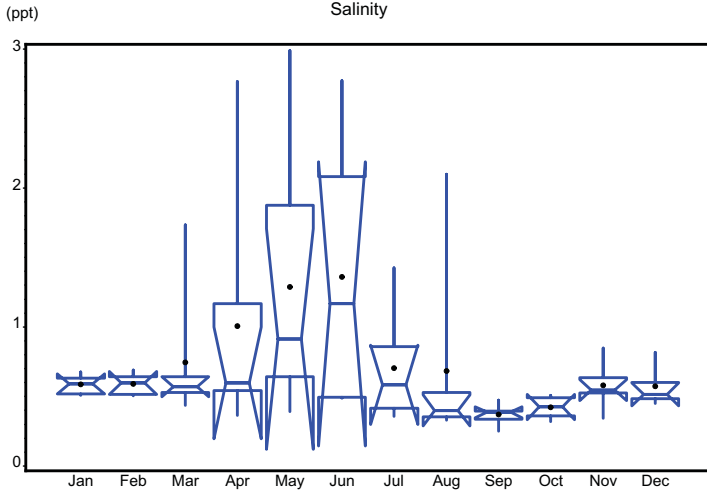
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



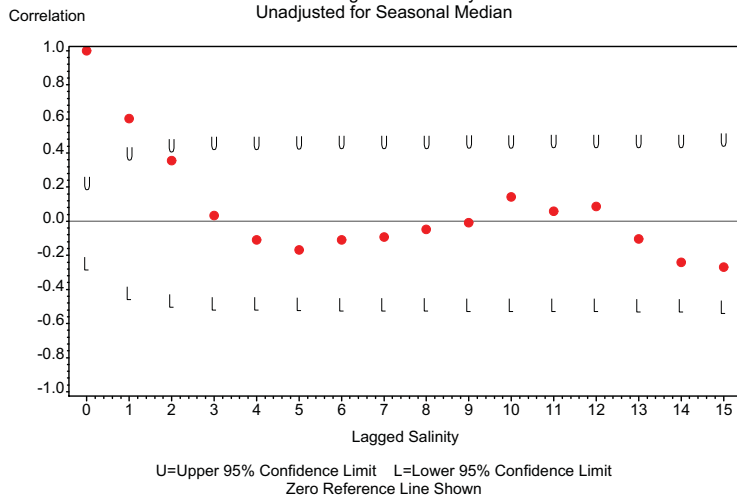
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Salinity



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.602	0.204	0.408	-0.408
2	0.354	0.227	0.455	-0.455
3	0.033	0.235	0.470	-0.470
4	-0.109	0.235	0.470	-0.470
5	-0.169	0.236	0.472	-0.472
6	-0.110	0.237	0.475	-0.475
7	-0.094	0.238	0.476	-0.476
8	-0.047	0.239	0.477	-0.477
9	-0.008	0.239	0.478	-0.478
10	0.143	0.239	0.478	-0.478
11	0.058	0.240	0.480	-0.480
12	0.085	0.240	0.480	-0.480
13	-0.104	0.241	0.481	-0.481
14	-0.240	0.241	0.482	-0.482
15	-0.268	0.245	0.489	-0.489

Cocohatchee Inland Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



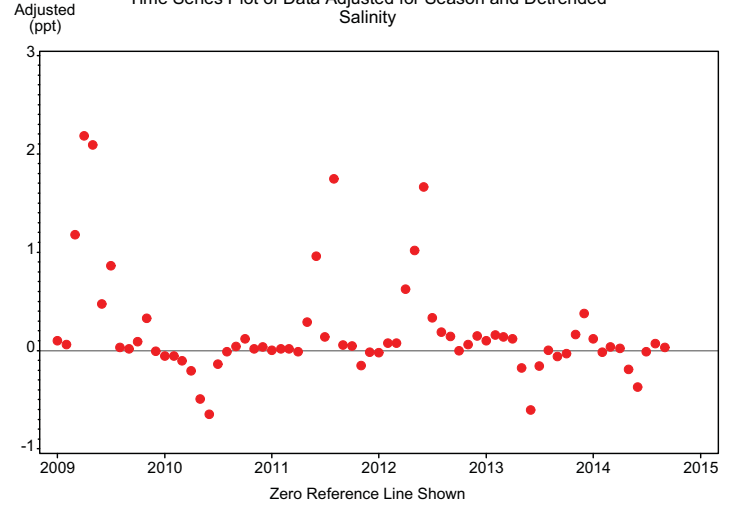
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.103	0.36	0.634	-0.013

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10303	0.35959	0.63354	-0.01275

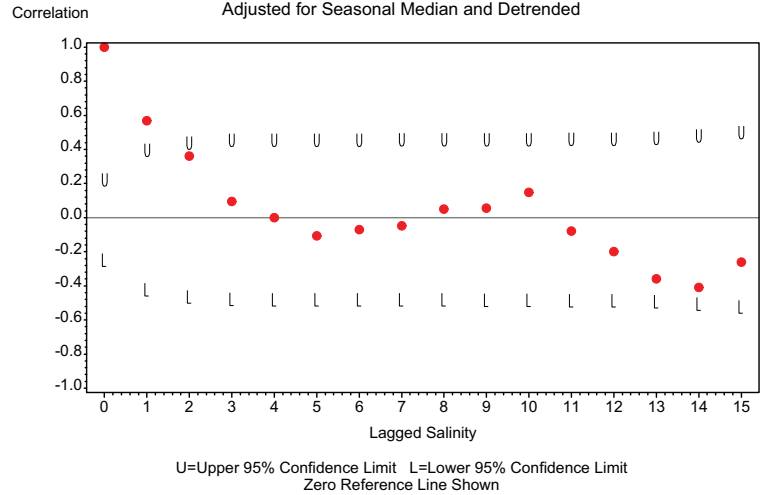
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



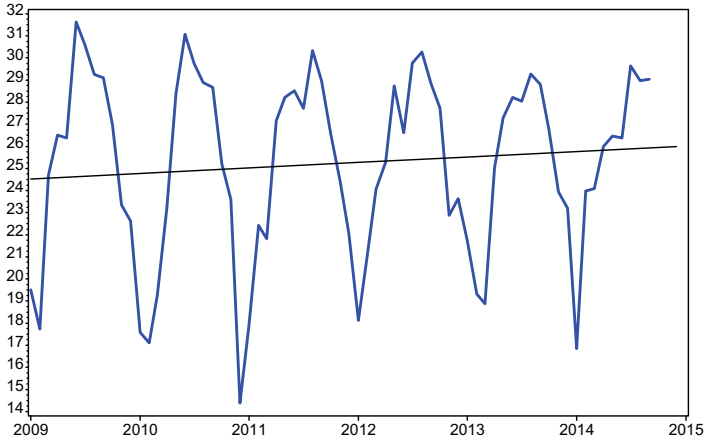
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.568	0.204	0.408	-0.408
2	0.362	0.225	0.450	-0.450
3	0.095	0.233	0.466	-0.466
4	0.000	0.234	0.467	-0.467
5	-0.107	0.234	0.467	-0.467
6	-0.070	0.234	0.468	-0.468
7	-0.049	0.234	0.469	-0.469
8	0.051	0.235	0.469	-0.469
9	0.056	0.235	0.470	-0.470
10	0.148	0.235	0.470	-0.470
11	-0.078	0.236	0.472	-0.472
12	-0.198	0.237	0.473	-0.473
13	-0.360	0.239	0.478	-0.478
14	-0.409	0.246	0.493	-0.493
15	-0.261	0.256	0.511	-0.511

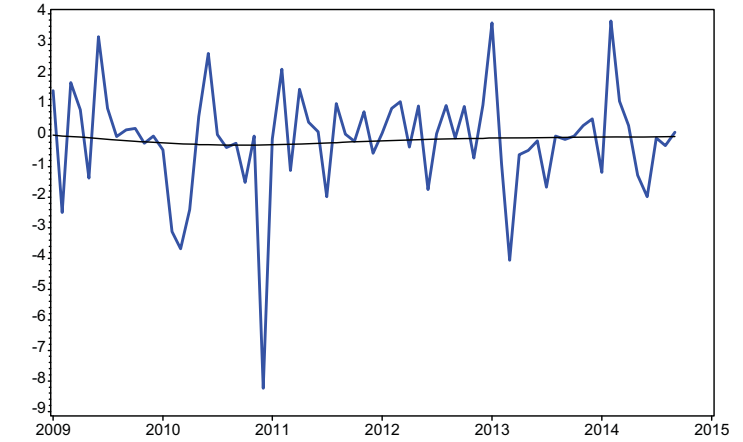
Cocohatchee Inland Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



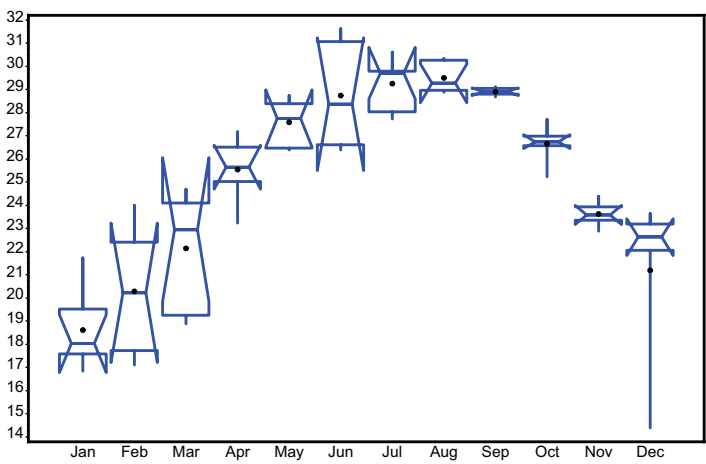
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



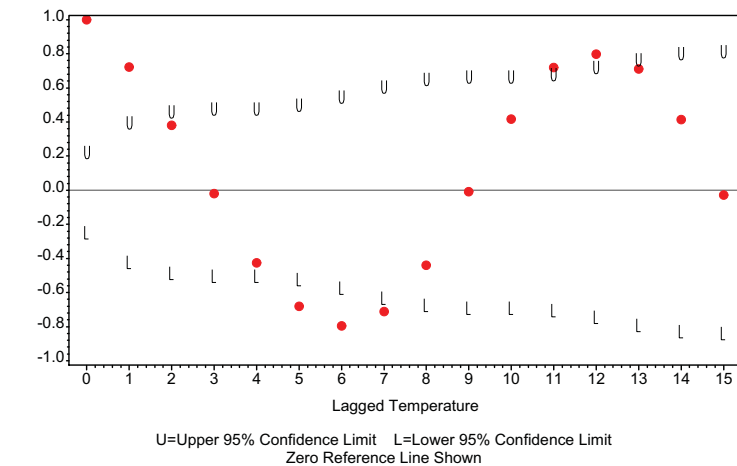
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Temperature



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.721	0.204	0.408	-0.408
2	0.380	0.237	0.474	-0.474
3	-0.021	0.245	0.490	-0.490
4	-0.425	0.245	0.490	-0.490
5	-0.680	0.255	0.511	-0.511
6	-0.795	0.279	0.559	-0.559
7	-0.711	0.309	0.618	-0.618
8	-0.439	0.331	0.662	-0.662
9	-0.010	0.339	0.678	-0.678
10	0.416	0.339	0.678	-0.678
11	0.718	0.346	0.692	-0.692
12	0.797	0.366	0.732	-0.732
13	0.710	0.390	0.779	-0.779
14	0.414	0.407	0.814	-0.814
15	-0.029	0.413	0.826	-0.826

Cocohatchee Inland Trends Appendix
Corelogram for Temperature
Unadjusted for Seasonal Median



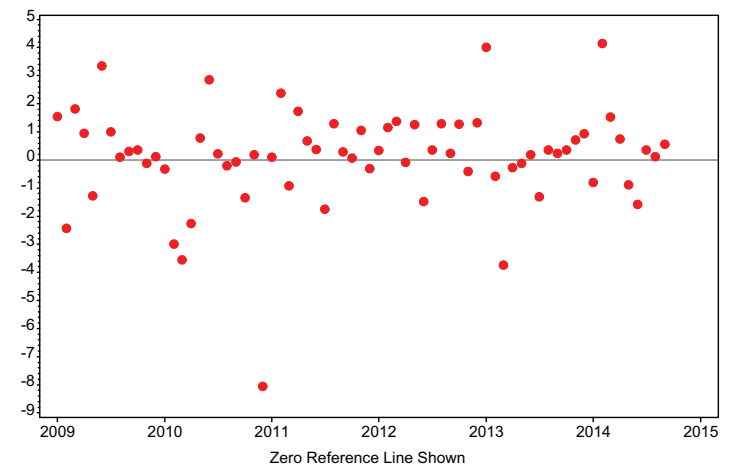
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.055	0.647	0.73	-0.063

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.054546	0.64690	0.72993	-0.0625

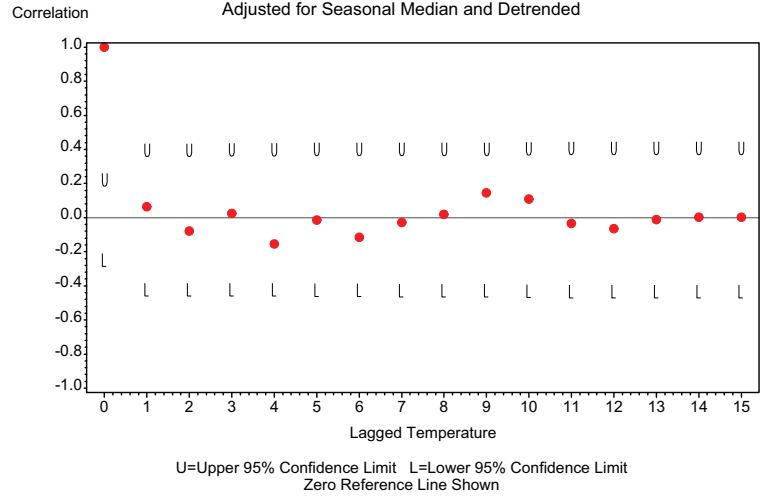
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



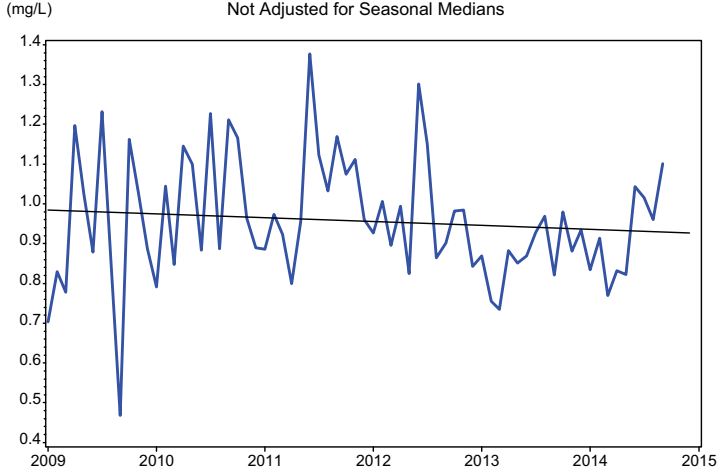
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.065	0.204	0.408	-0.408
2	-0.080	0.204	0.409	-0.409
3	0.026	0.205	0.410	-0.410
4	-0.154	0.205	0.410	-0.410
5	-0.015	0.206	0.413	-0.413
6	-0.116	0.206	0.413	-0.413
7	-0.028	0.207	0.415	-0.415
8	0.018	0.207	0.415	-0.415
9	0.146	0.207	0.415	-0.415
10	0.110	0.209	0.418	-0.418
11	-0.035	0.210	0.419	-0.419
12	-0.065	0.210	0.420	-0.420
13	-0.012	0.210	0.420	-0.420
14	0.003	0.210	0.420	-0.420
15	0.003	0.210	0.420	-0.420

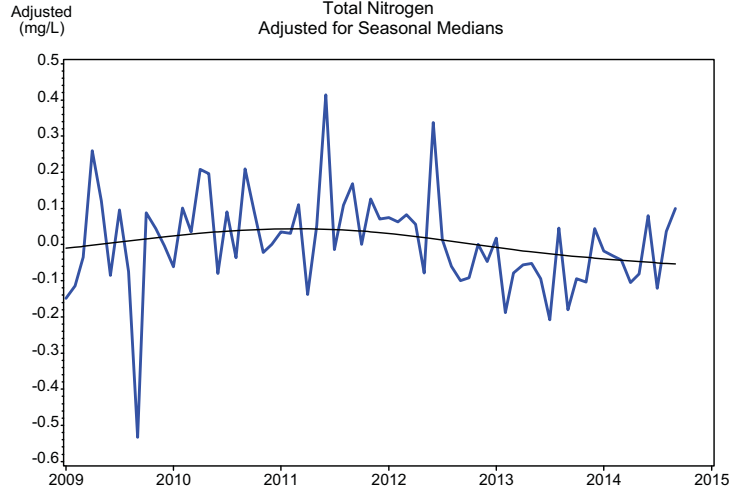
Cocohatchee Inland Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



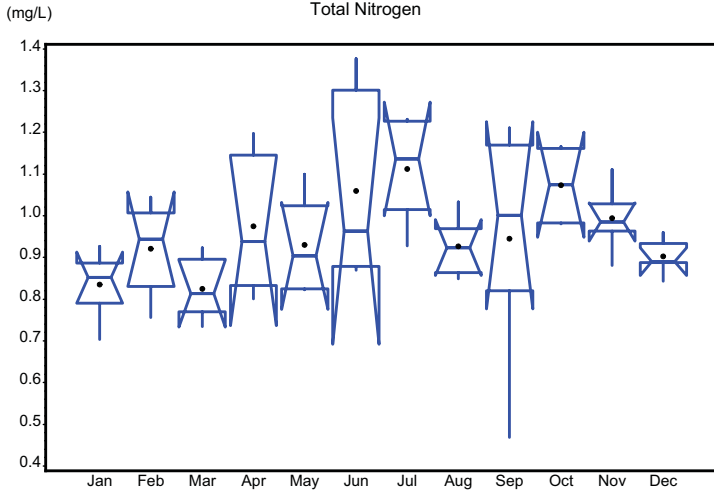
Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Total Nitrogen
 Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Total Nitrogen
 Adjusted for Seasonal Medians



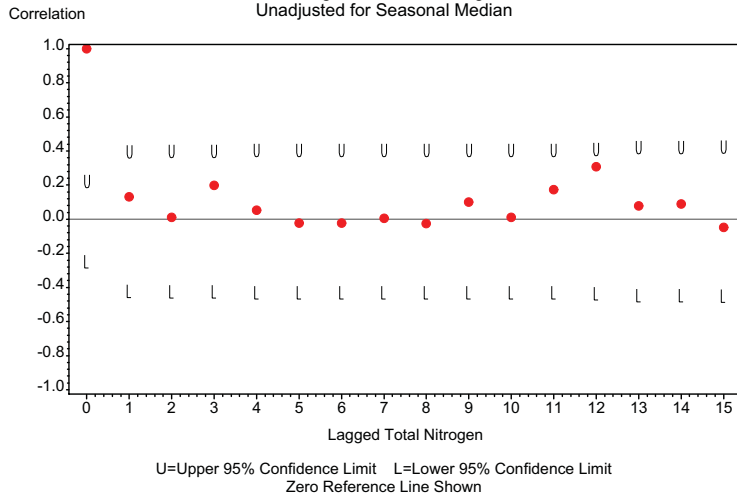
Cocohatchee Inland Trends Appendix
 Seasonal Univariate Statistics
 Total Nitrogen



Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.131	0.204	0.408	-0.408
2	0.012	0.205	0.411	-0.411
3	0.198	0.205	0.411	-0.411
4	0.053	0.208	0.416	-0.416
5	-0.024	0.208	0.416	-0.416
6	-0.023	0.208	0.416	-0.416
7	0.005	0.208	0.416	-0.416
8	-0.026	0.208	0.416	-0.416
9	0.101	0.208	0.417	-0.417
10	0.011	0.209	0.418	-0.418
11	0.172	0.209	0.418	-0.418
12	0.308	0.211	0.422	-0.422
13	0.078	0.217	0.434	-0.434
14	0.088	0.217	0.435	-0.435
15	-0.047	0.218	0.436	-0.436

Cocohatchee Inland Trends Appendix
 Correlogram for Total Nitrogen
 Unadjusted for Seasonal Median

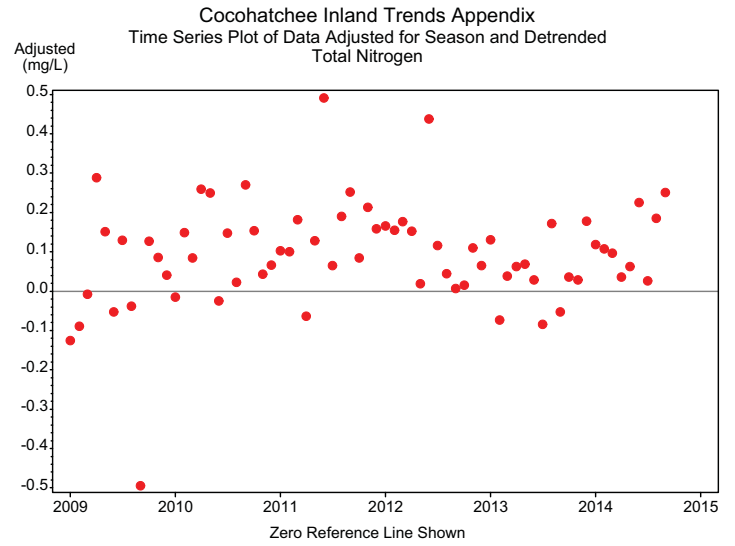


Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.224	0.039	0.193	-0.023

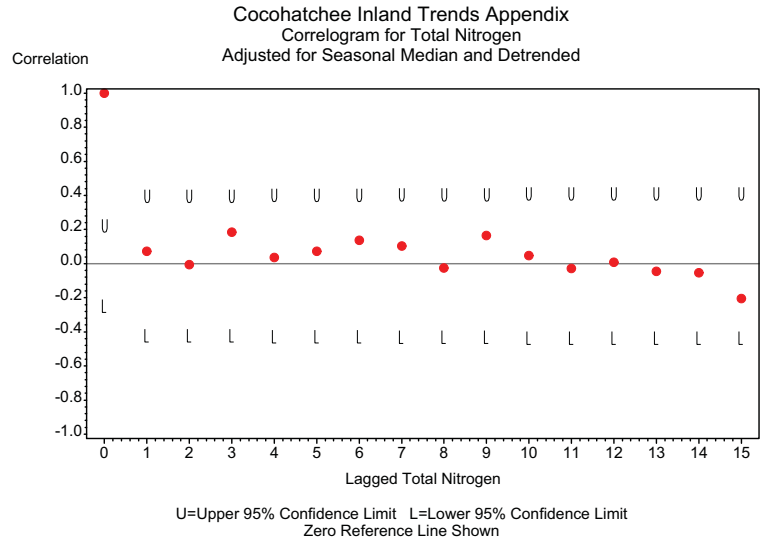
Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.22424	0.039270	0.19345	-0.022667

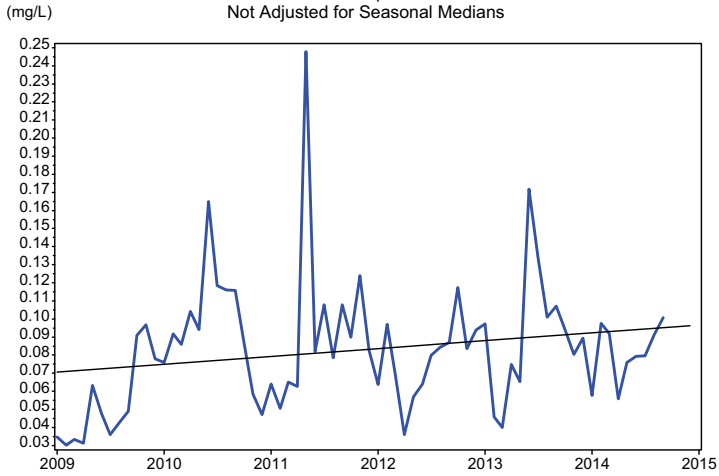


Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

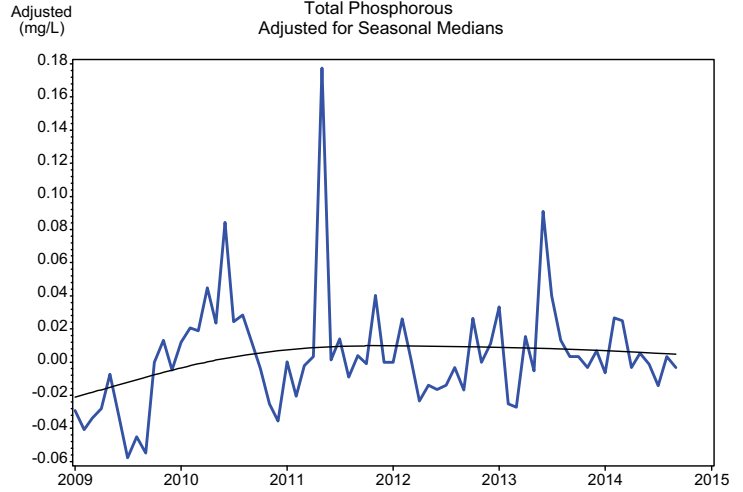
Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.072	0.204	0.408	-0.408
2	-0.005	0.204	0.409	-0.409
3	0.185	0.204	0.409	-0.409
4	0.037	0.207	0.414	-0.414
5	0.071	0.207	0.414	-0.414
6	0.136	0.207	0.414	-0.414
7	0.102	0.208	0.417	-0.417
8	-0.026	0.209	0.418	-0.418
9	0.165	0.209	0.418	-0.418
10	0.048	0.211	0.422	-0.422
11	-0.028	0.211	0.422	-0.422
12	0.007	0.211	0.422	-0.422
13	-0.044	0.211	0.422	-0.422
14	-0.055	0.211	0.423	-0.423
15	-0.204	0.212	0.423	-0.423



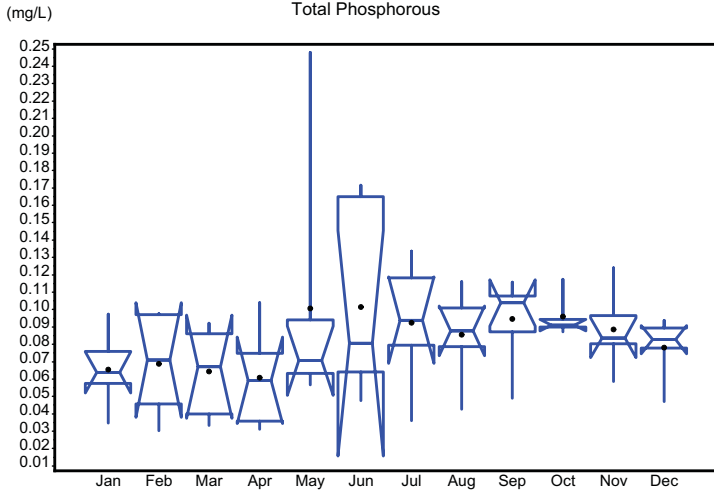
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



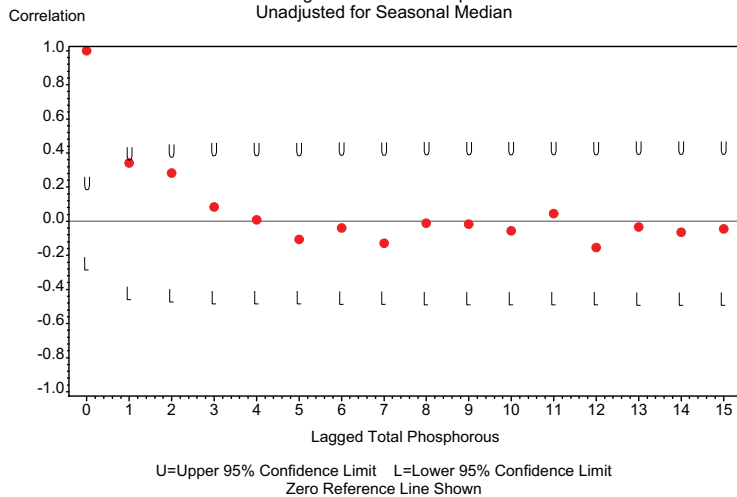
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.340	0.204	0.408	-0.408
2	0.282	0.212	0.424	-0.424
3	0.083	0.217	0.434	-0.434
4	0.009	0.217	0.435	-0.435
5	-0.107	0.217	0.435	-0.435
6	-0.040	0.218	0.436	-0.436
7	-0.130	0.218	0.437	-0.437
8	-0.013	0.219	0.439	-0.439
9	-0.018	0.219	0.439	-0.439
10	-0.057	0.219	0.439	-0.439
11	0.044	0.220	0.439	-0.439
12	-0.154	0.220	0.439	-0.439
13	-0.034	0.221	0.442	-0.442
14	-0.066	0.221	0.443	-0.443
15	-0.046	0.222	0.443	-0.443

Cocohatchee Inland Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



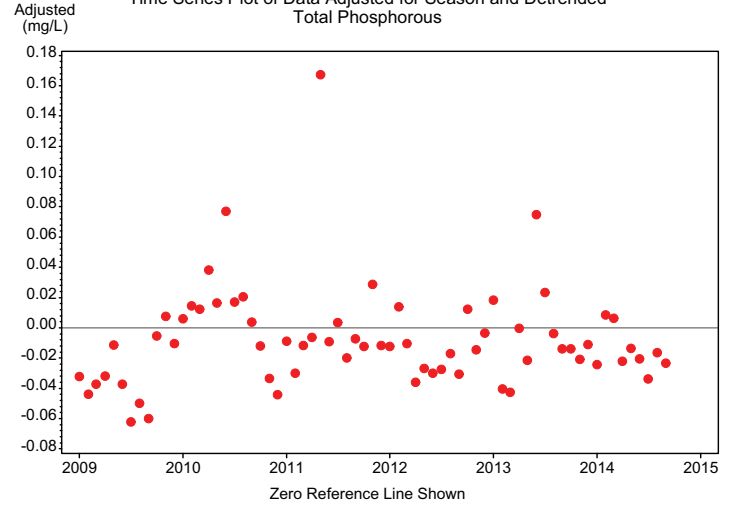
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2	0.066	0.32	.003

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2	0.066011	0.31990	.003

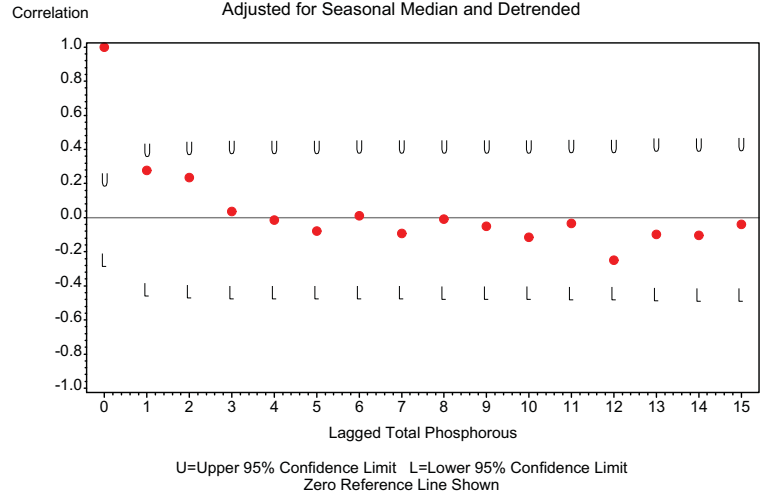
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



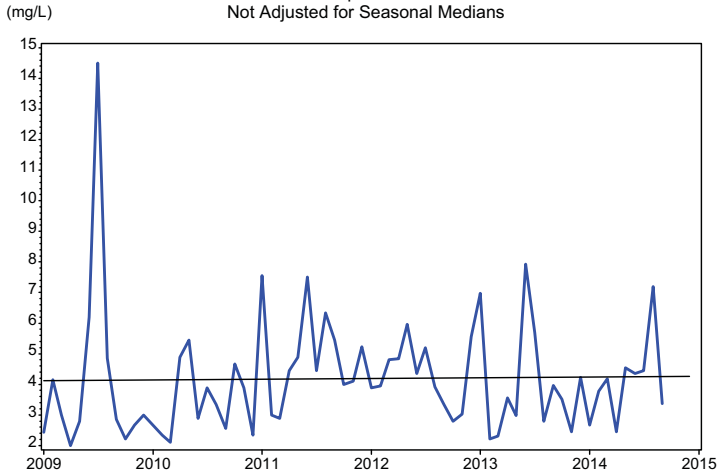
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.277	0.204	0.408	-0.408
2	0.235	0.209	0.419	-0.419
3	0.035	0.213	0.426	-0.426
4	-0.014	0.213	0.426	-0.426
5	-0.079	0.213	0.426	-0.426
6	0.011	0.213	0.427	-0.427
7	-0.092	0.213	0.427	-0.427
8	-0.009	0.214	0.428	-0.428
9	-0.050	0.214	0.428	-0.428
10	-0.116	0.214	0.428	-0.428
11	-0.034	0.215	0.430	-0.430
12	-0.251	0.215	0.430	-0.430
13	-0.099	0.219	0.438	-0.438
14	-0.105	0.220	0.439	-0.439
15	-0.041	0.220	0.441	-0.441

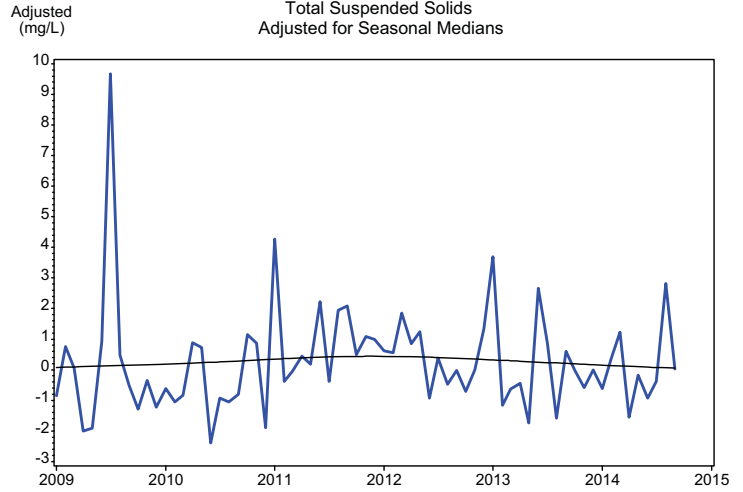
Cocohatchee Inland Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



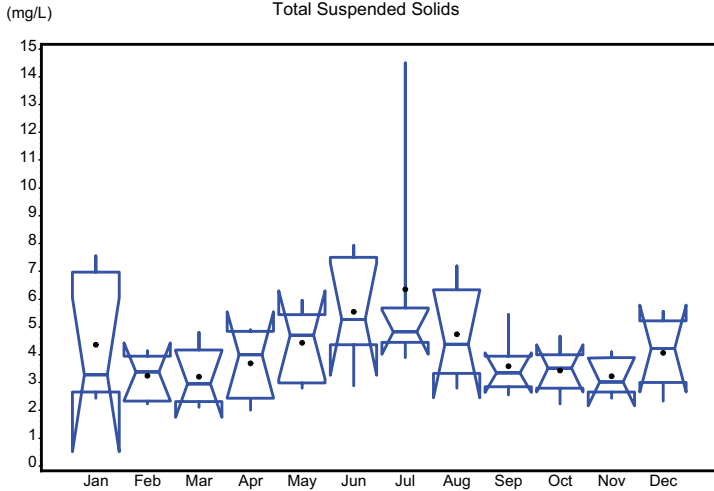
Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



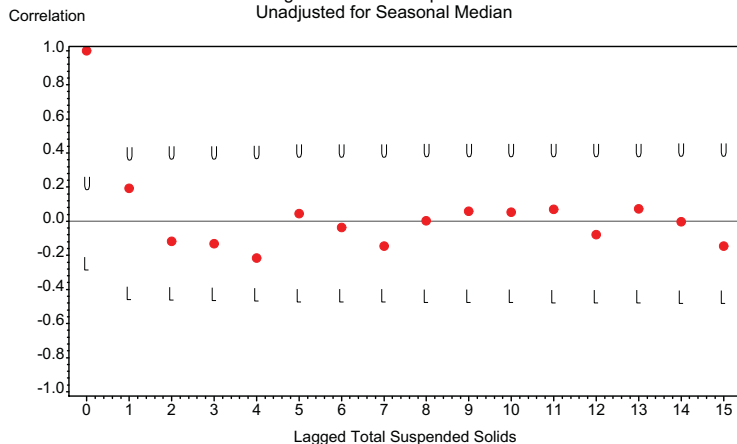
Cocohatchee Inland Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.193	0.204	0.408	-0.408
2	-0.119	0.207	0.413	-0.413
3	-0.133	0.208	0.415	-0.415
4	-0.215	0.209	0.418	-0.418
5	0.045	0.212	0.424	-0.424
6	-0.036	0.212	0.424	-0.424
7	-0.146	0.212	0.424	-0.424
8	0.001	0.213	0.427	-0.427
9	0.059	0.213	0.427	-0.427
10	0.052	0.214	0.427	-0.427
11	0.069	0.214	0.428	-0.428
12	-0.078	0.214	0.428	-0.428
13	0.073	0.215	0.429	-0.429
14	-0.002	0.215	0.430	-0.430
15	-0.146	0.215	0.430	-0.430

Cocohatchee Inland Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

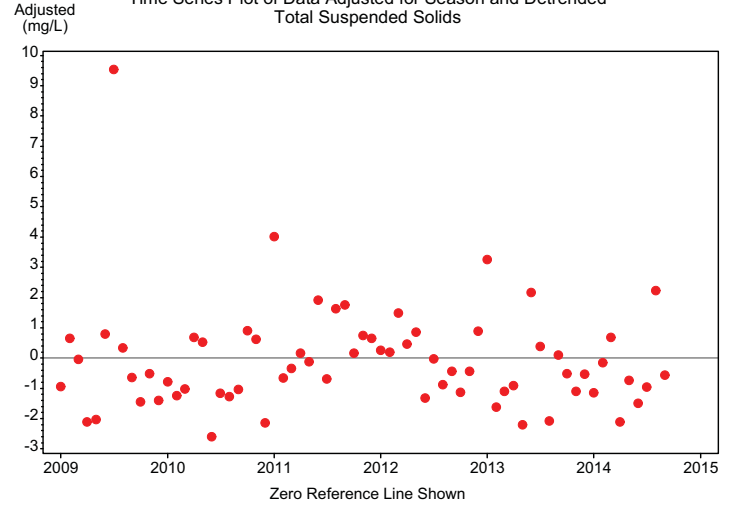
Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.073	0.527	0.626	0.089

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.072727	0.52675	0.62597	0.0888

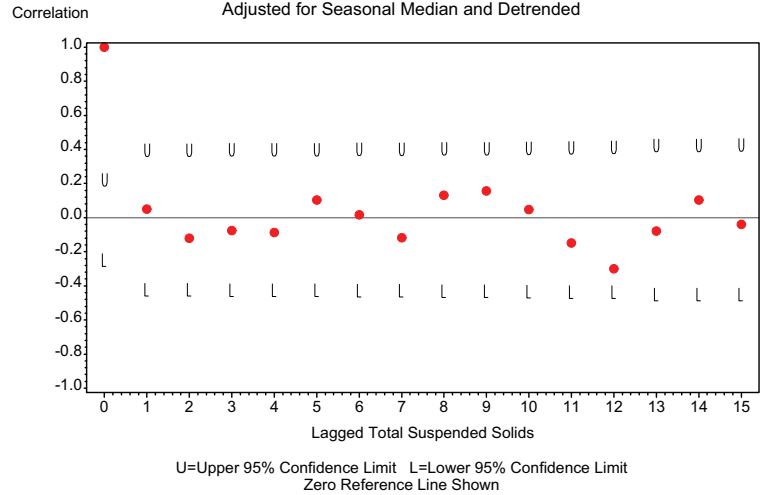
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



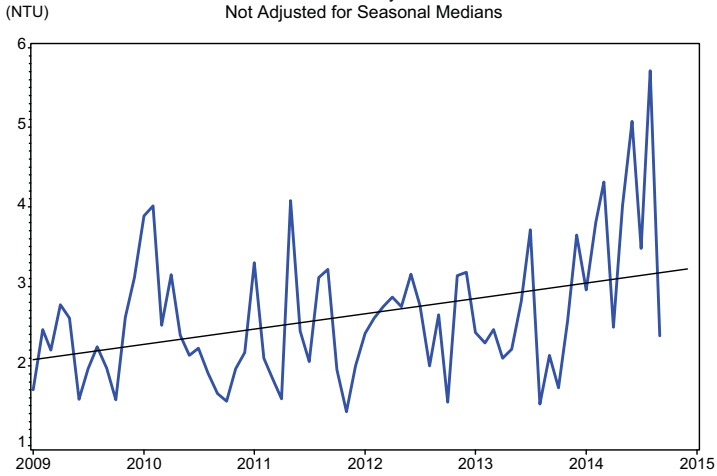
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.050	0.204	0.408	-0.408
2	-0.121	0.204	0.409	-0.409
3	-0.075	0.205	0.411	-0.411
4	-0.087	0.206	0.411	-0.411
5	0.103	0.206	0.412	-0.412
6	0.017	0.207	0.414	-0.414
7	-0.119	0.207	0.414	-0.414
8	0.131	0.208	0.416	-0.416
9	0.155	0.209	0.418	-0.418
10	0.047	0.211	0.421	-0.421
11	-0.148	0.211	0.422	-0.422
12	-0.300	0.212	0.424	-0.424
13	-0.078	0.218	0.436	-0.436
14	0.103	0.218	0.437	-0.437
15	-0.039	0.219	0.438	-0.438

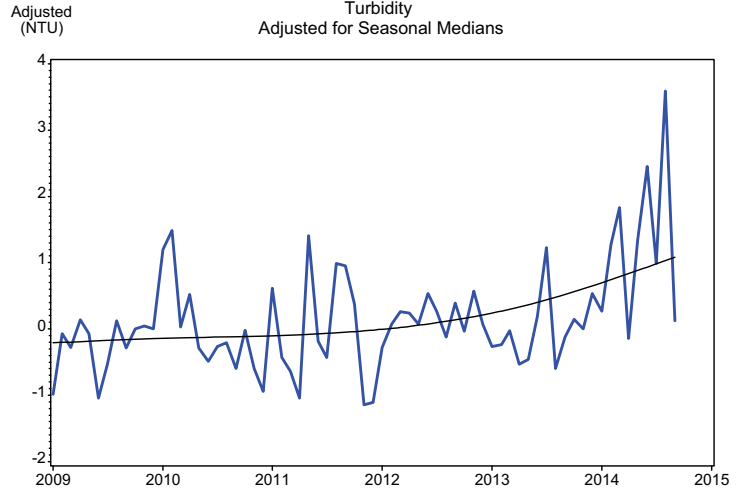
Cocohatchee Inland Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



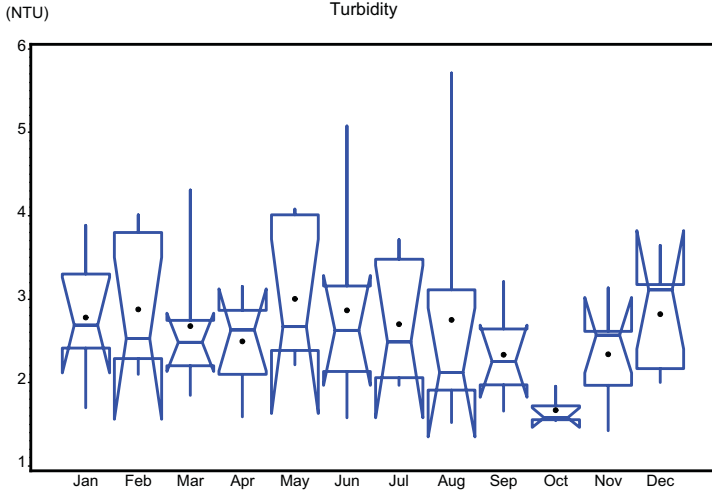
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



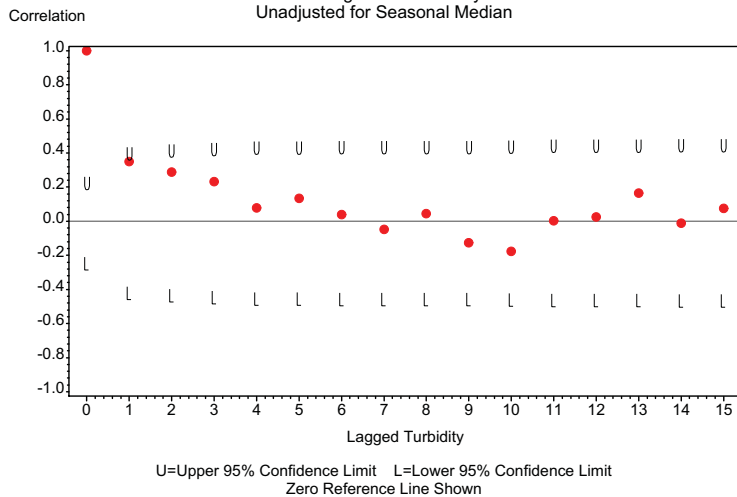
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Turbidity



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.349	0.204	0.408	-0.408
2	0.289	0.212	0.424	-0.424
3	0.232	0.218	0.435	-0.435
4	0.078	0.221	0.442	-0.442
5	0.135	0.221	0.443	-0.443
6	0.038	0.223	0.445	-0.445
7	-0.047	0.223	0.445	-0.445
8	0.044	0.223	0.446	-0.446
9	-0.127	0.223	0.446	-0.446
10	-0.178	0.224	0.448	-0.448
11	0.002	0.226	0.452	-0.452
12	0.026	0.226	0.452	-0.452
13	0.164	0.226	0.452	-0.452
14	-0.011	0.228	0.455	-0.455
15	0.075	0.228	0.455	-0.455

Cocohatchee Inland Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



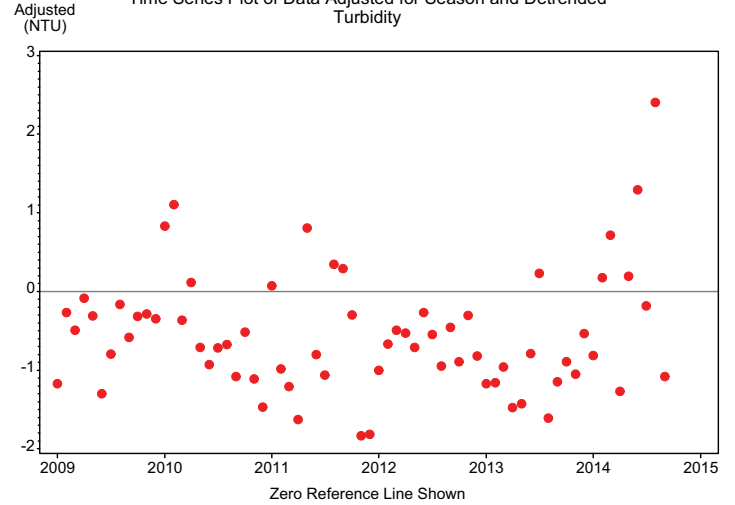
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.236	0.03	0.093	0.181

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.23636	0.029565	0.092972	0.1805

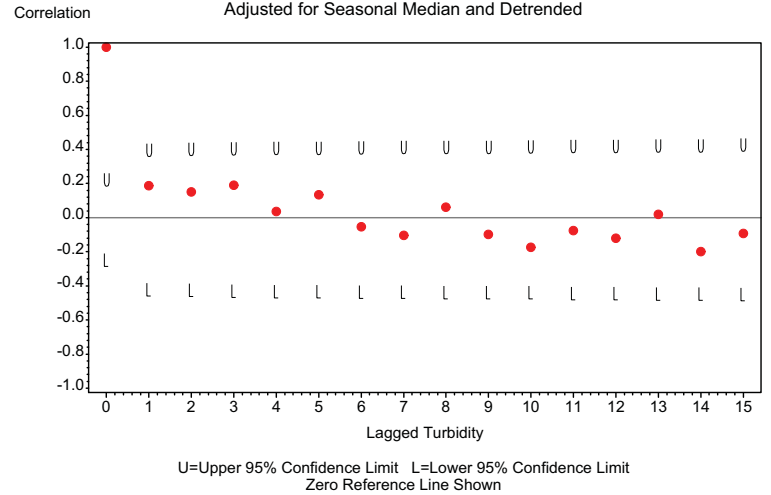
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



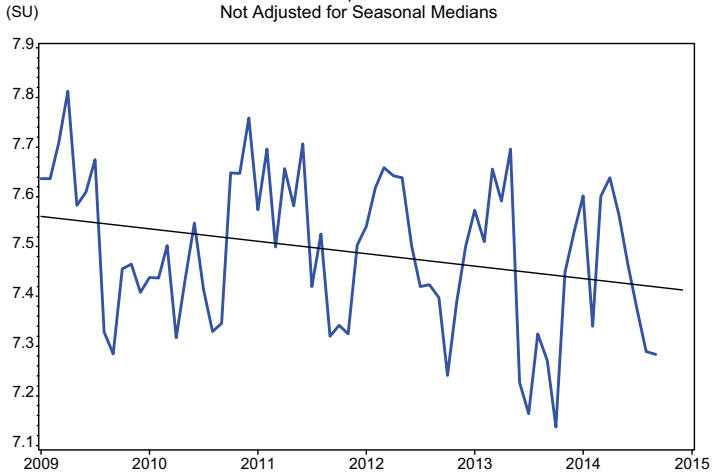
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.186	0.204	0.408	-0.408
2	0.151	0.206	0.413	-0.413
3	0.191	0.208	0.416	-0.416
4	0.035	0.210	0.421	-0.421
5	0.133	0.211	0.421	-0.421
6	-0.053	0.212	0.423	-0.423
7	-0.103	0.212	0.424	-0.424
8	0.060	0.213	0.425	-0.425
9	-0.098	0.213	0.426	-0.426
10	-0.175	0.213	0.427	-0.427
11	-0.077	0.215	0.431	-0.431
12	-0.121	0.216	0.432	-0.432
13	0.018	0.217	0.433	-0.433
14	-0.198	0.217	0.433	-0.433
15	-0.092	0.219	0.438	-0.438

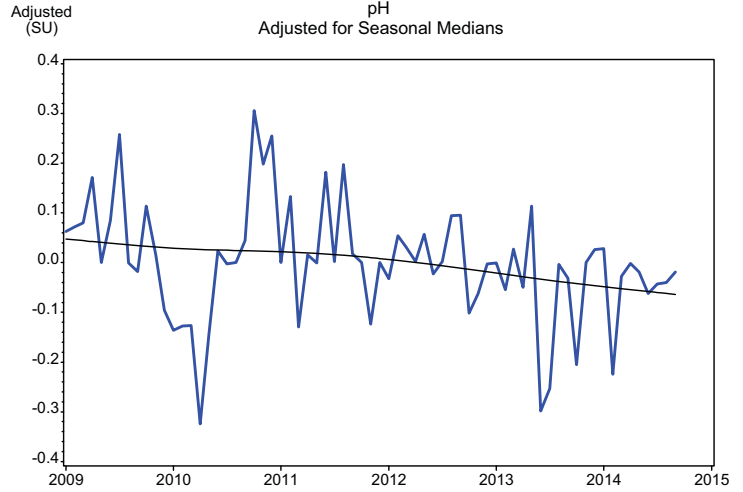
Cocohatchee Inland Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



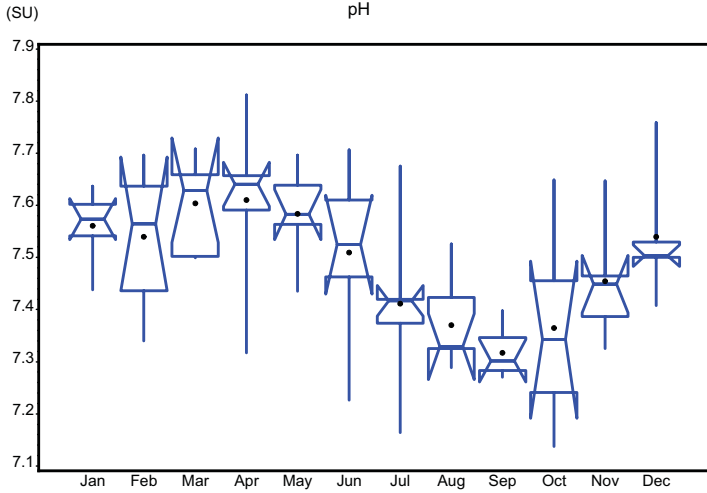
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



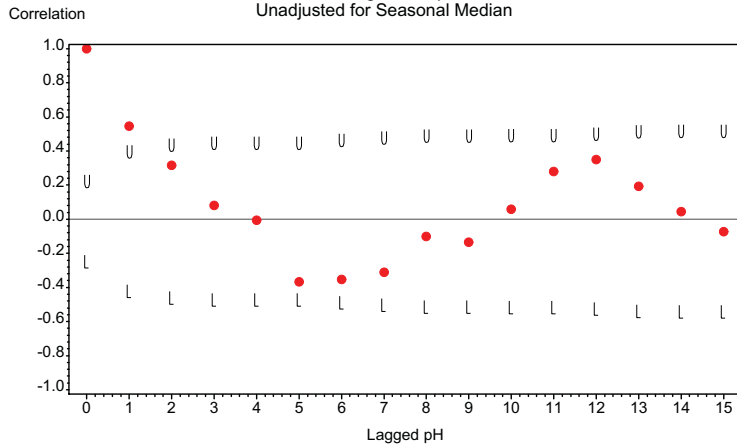
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
pH



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.545	0.204	0.408	-0.408
2	0.316	0.223	0.447	-0.447
3	0.081	0.230	0.459	-0.459
4	-0.007	0.230	0.460	-0.460
5	-0.367	0.230	0.460	-0.460
6	-0.354	0.238	0.476	-0.476
7	-0.310	0.245	0.490	-0.490
8	-0.101	0.250	0.501	-0.501
9	-0.134	0.251	0.502	-0.502
10	0.057	0.252	0.504	-0.504
11	0.280	0.252	0.504	-0.504
12	0.350	0.257	0.513	-0.513
13	0.193	0.263	0.526	-0.526
14	0.043	0.265	0.530	-0.530
15	-0.074	0.265	0.530	-0.530

Cocohatchee Inland Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

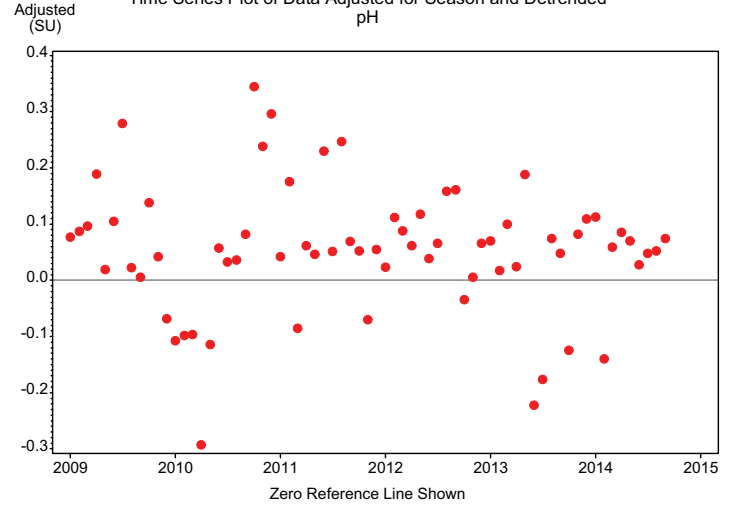
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.273	0.011	0.091	-0.014

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.27273	0.01148	0.087166	-0.014

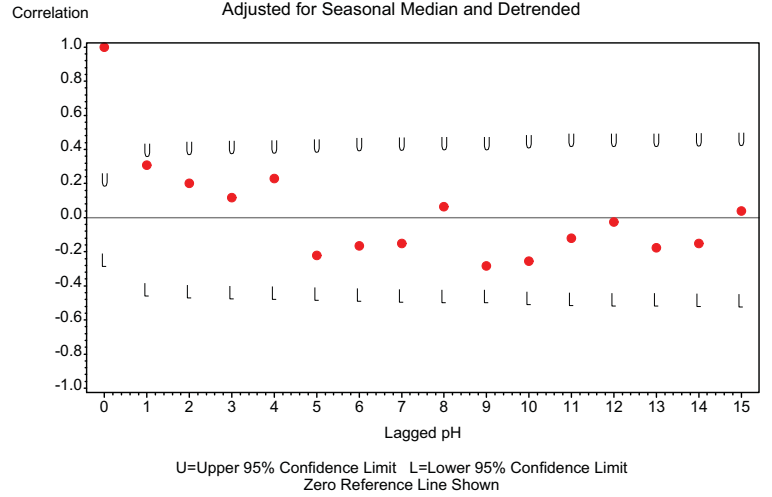
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



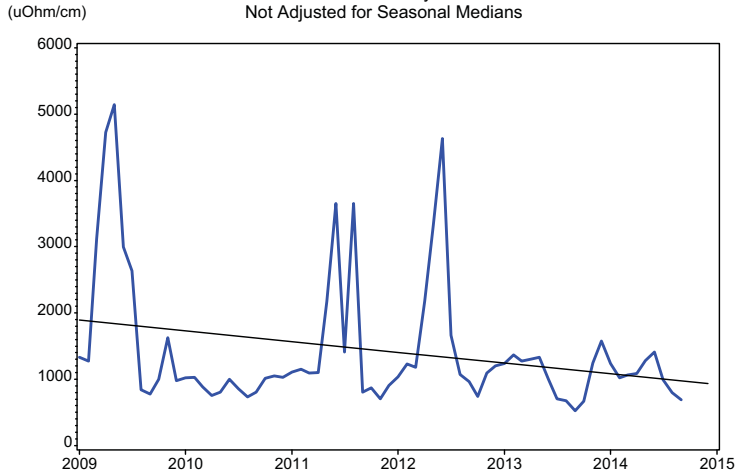
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.308	0.204	0.408	-0.408
2	0.200	0.210	0.421	-0.421
3	0.117	0.213	0.426	-0.426
4	0.230	0.214	0.428	-0.428
5	-0.222	0.217	0.435	-0.435
6	-0.165	0.221	0.441	-0.441
7	-0.151	0.222	0.444	-0.444
8	0.064	0.224	0.447	-0.447
9	-0.284	0.224	0.448	-0.448
10	-0.255	0.229	0.458	-0.458
11	-0.122	0.233	0.466	-0.466
12	-0.025	0.234	0.467	-0.467
13	-0.178	0.234	0.467	-0.467
14	-0.151	0.236	0.471	-0.471
15	0.038	0.237	0.474	-0.474

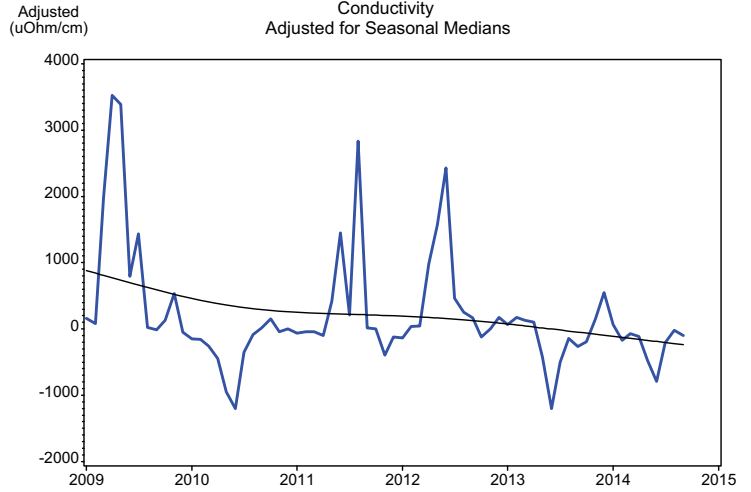
Cocohatchee Inland Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



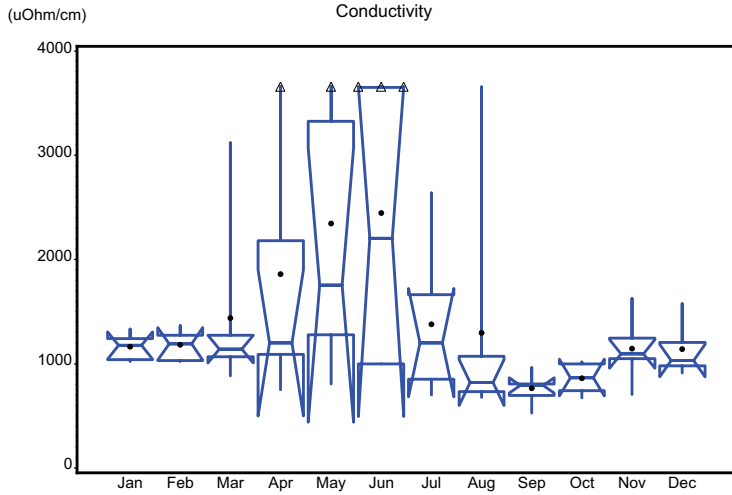
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



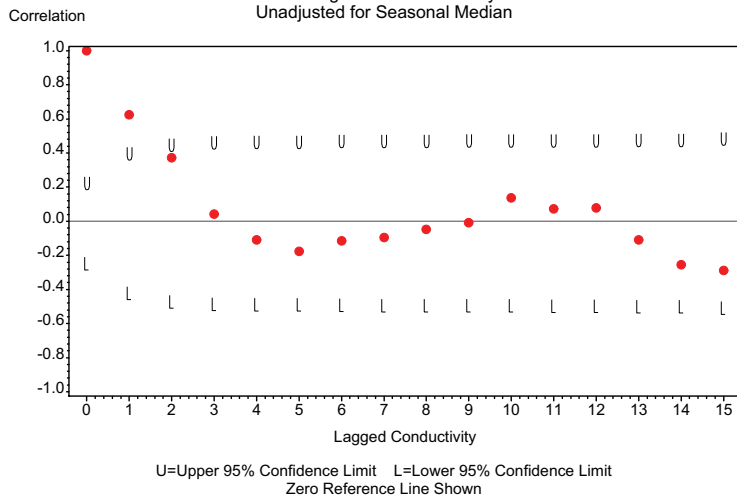
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Conductivity



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.623	0.204	0.408	-0.408
2	0.371	0.229	0.458	-0.458
3	0.041	0.237	0.474	-0.474
4	-0.110	0.237	0.475	-0.475
5	-0.177	0.238	0.476	-0.476
6	-0.115	0.240	0.480	-0.480
7	-0.097	0.241	0.481	-0.481
8	-0.047	0.241	0.482	-0.482
9	-0.009	0.241	0.483	-0.483
10	0.137	0.241	0.483	-0.483
11	0.071	0.242	0.485	-0.485
12	0.079	0.243	0.485	-0.485
13	-0.110	0.243	0.486	-0.486
14	-0.254	0.244	0.487	-0.487
15	-0.289	0.247	0.495	-0.495

Cocohatchee Inland Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median

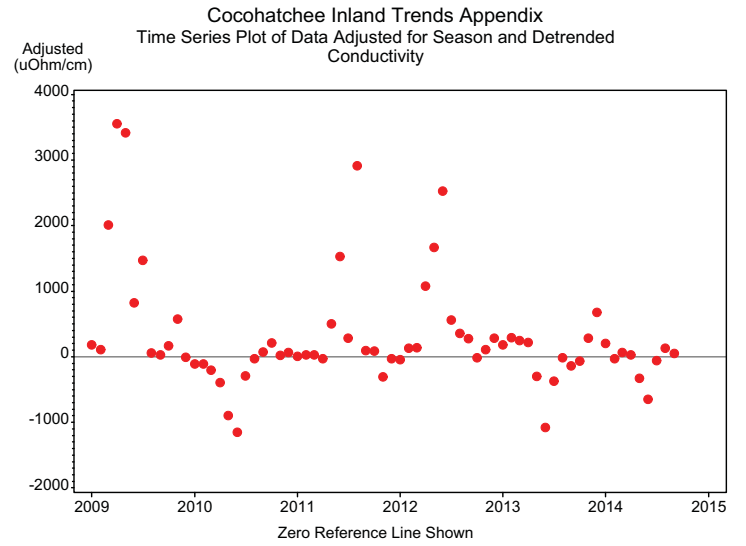


Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.127	0.252	0.548	-22.613

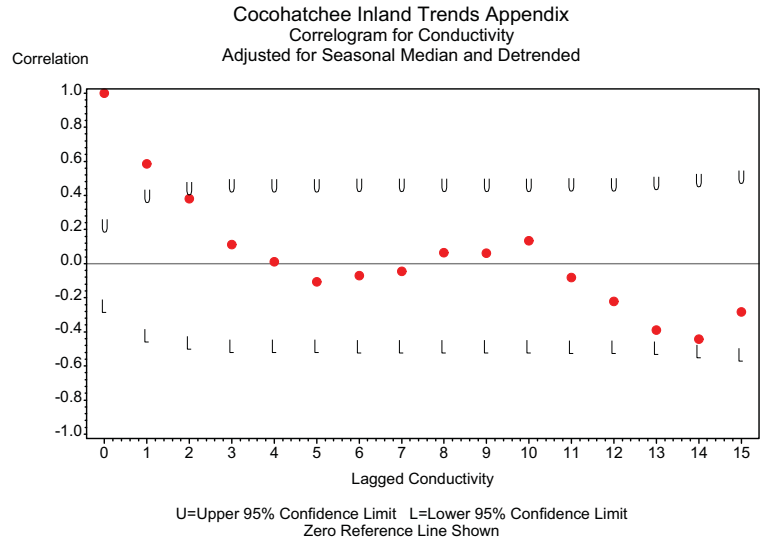
Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12727	0.25213	0.54764	-22.613

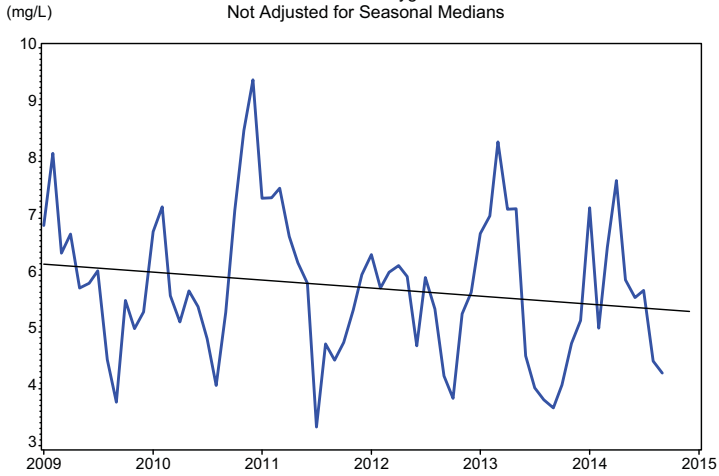


Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

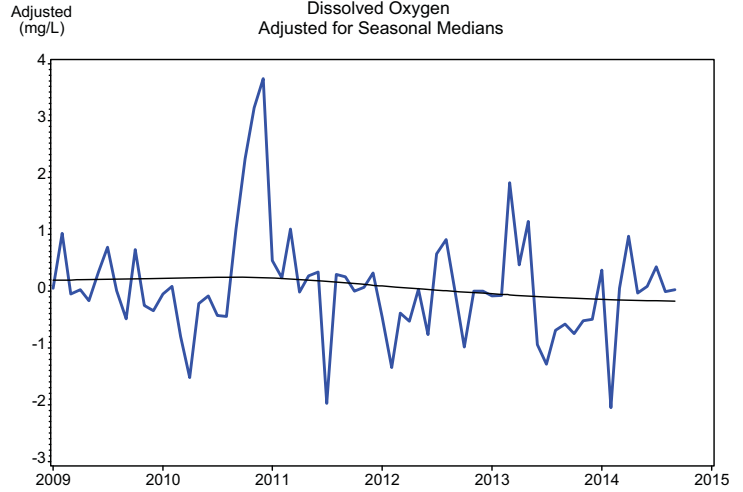
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.585	0.204	0.408	-0.408
2	0.380	0.226	0.452	-0.452
3	0.111	0.235	0.470	-0.470
4	0.012	0.236	0.471	-0.471
5	-0.107	0.236	0.471	-0.471
6	-0.070	0.236	0.473	-0.473
7	-0.045	0.237	0.473	-0.473
8	0.064	0.237	0.473	-0.473
9	0.060	0.237	0.474	-0.474
10	0.133	0.237	0.474	-0.474
11	-0.083	0.238	0.476	-0.476
12	-0.221	0.239	0.477	-0.477
13	-0.391	0.241	0.483	-0.483
14	-0.443	0.250	0.500	-0.500
15	-0.283	0.261	0.521	-0.521



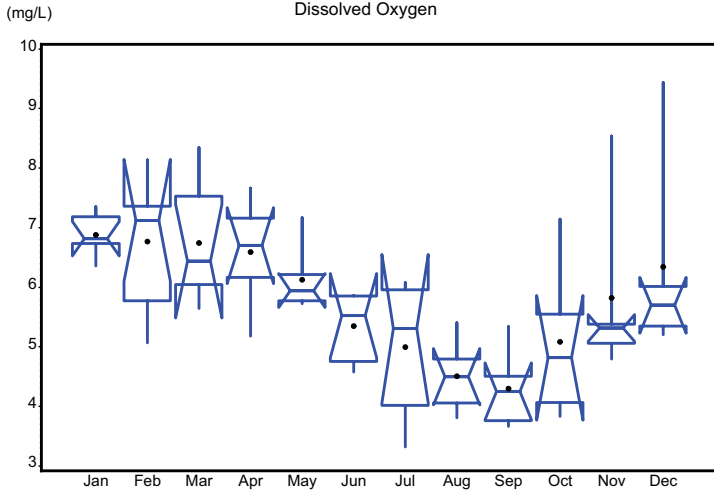
Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Adjusted for Seasonal Medians



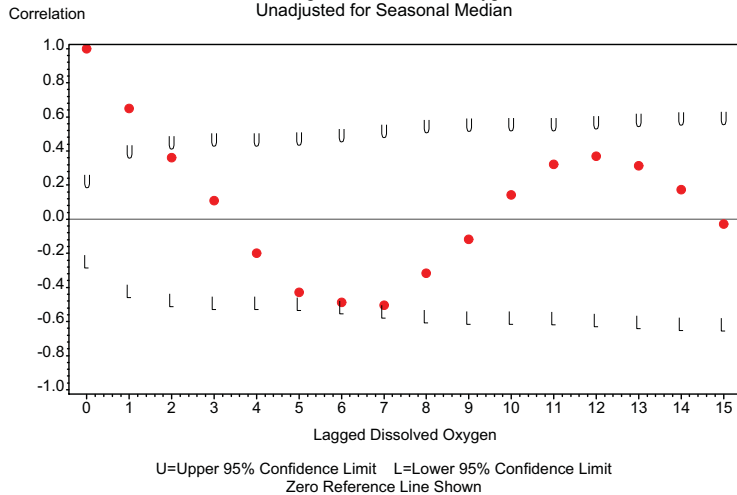
Cocohatchee Inland Trends Appendix
 Seasonal Univariate Statistics
 Dissolved Oxygen



Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.650	0.204	0.408	-0.408
2	0.361	0.231	0.462	-0.462
3	0.108	0.239	0.478	-0.478
4	-0.199	0.239	0.479	-0.479
5	-0.429	0.242	0.484	-0.484
6	-0.488	0.252	0.504	-0.504
7	-0.505	0.265	0.530	-0.530
8	-0.316	0.278	0.556	-0.556
9	-0.119	0.283	0.566	-0.566
10	0.143	0.284	0.567	-0.567
11	0.322	0.285	0.569	-0.569
12	0.370	0.290	0.579	-0.579
13	0.312	0.296	0.592	-0.592
14	0.174	0.301	0.601	-0.601
15	-0.029	0.302	0.604	-0.604

Cocohatchee Inland Trends Appendix
 Correlogram for Dissolved Oxygen
 Unadjusted for Seasonal Median



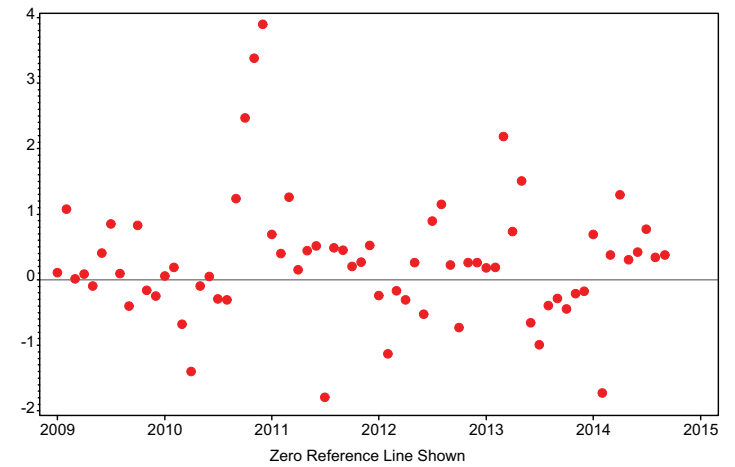
Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.127	0.252	0.354	-0.054

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12727	0.25213	0.35437	-0.053333

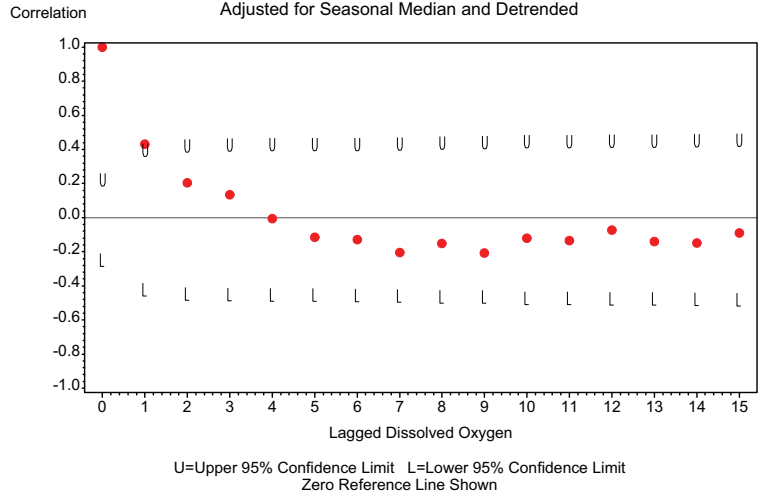
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



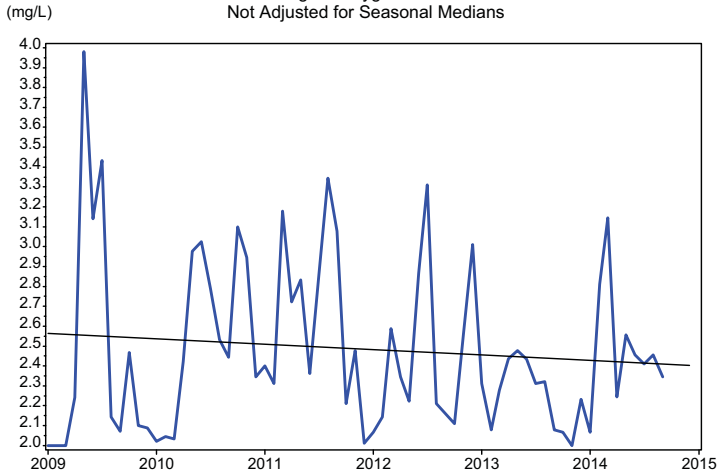
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.432	0.204	0.408	-0.408
2	0.204	0.216	0.433	-0.433
3	0.135	0.219	0.438	-0.438
4	-0.006	0.220	0.441	-0.441
5	-0.116	0.220	0.441	-0.441
6	-0.129	0.221	0.442	-0.442
7	-0.205	0.222	0.444	-0.444
8	-0.152	0.225	0.450	-0.450
9	-0.209	0.226	0.452	-0.452
10	-0.122	0.229	0.458	-0.458
11	-0.135	0.230	0.460	-0.460
12	-0.072	0.231	0.462	-0.462
13	-0.141	0.231	0.462	-0.462
14	-0.150	0.232	0.465	-0.465
15	-0.091	0.234	0.467	-0.467

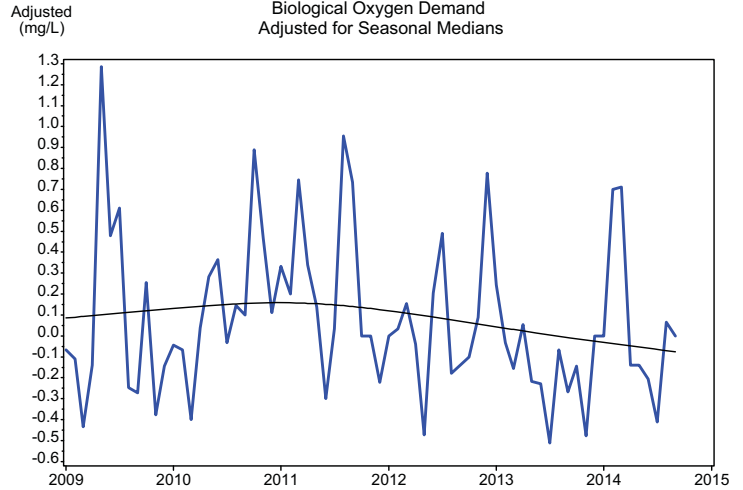
Cocohatchee Inland Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



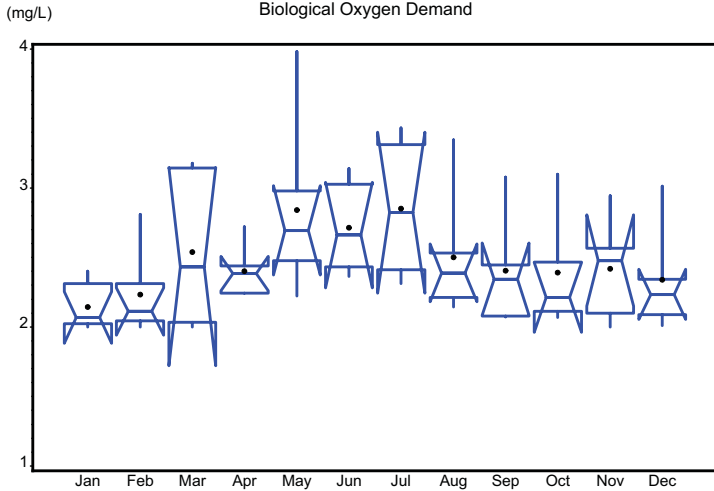
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



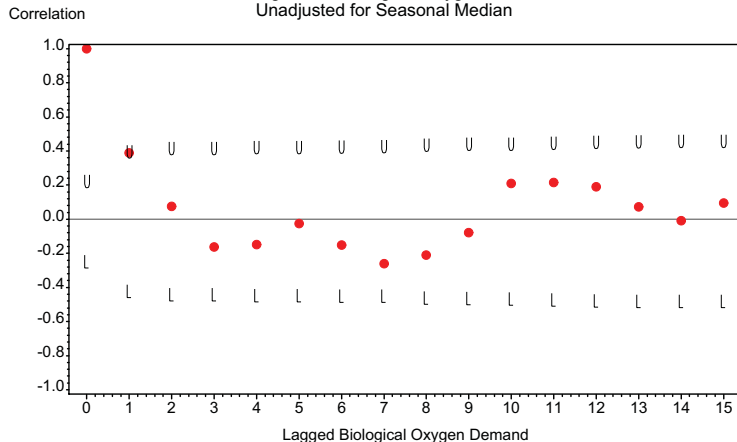
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.390	0.204	0.408	-0.408
2	0.074	0.214	0.428	-0.428
3	-0.162	0.215	0.429	-0.429
4	-0.150	0.216	0.433	-0.433
5	-0.026	0.218	0.435	-0.435
6	-0.151	0.218	0.436	-0.436
7	-0.260	0.219	0.438	-0.438
8	-0.210	0.223	0.447	-0.447
9	-0.079	0.226	0.452	-0.452
10	0.210	0.227	0.453	-0.453
11	0.216	0.229	0.458	-0.458
12	0.190	0.232	0.464	-0.464
13	0.072	0.234	0.468	-0.468
14	-0.010	0.235	0.469	-0.469
15	0.095	0.235	0.469	-0.469

Cocohatchee Inland Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

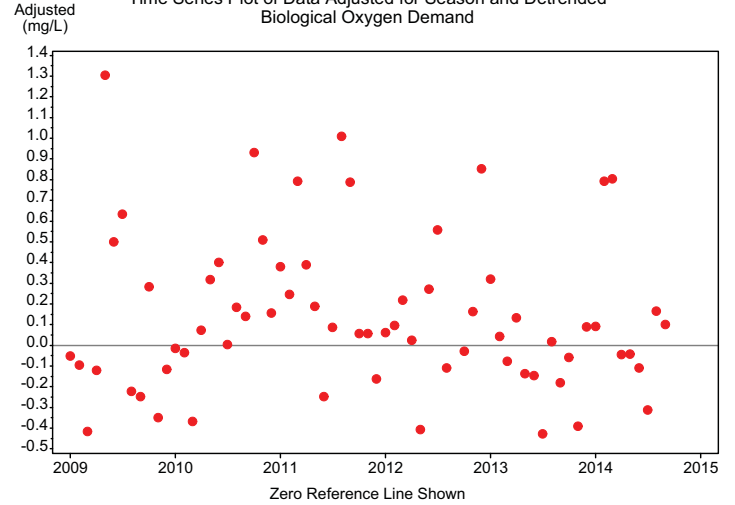
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.019	0.907	0.925	-0.015

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.01875	0.90688	0.92491	-0.015125

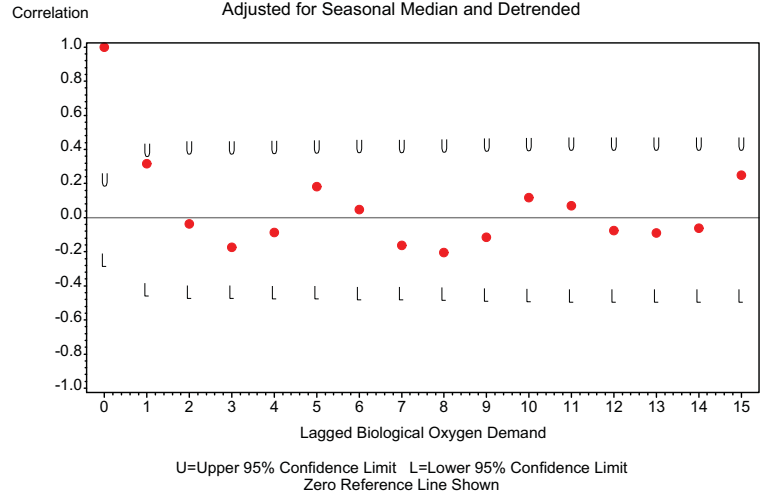
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



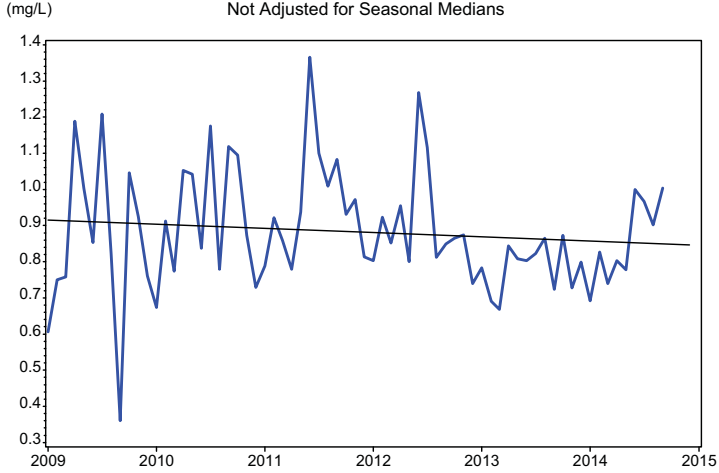
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.317	0.204	0.408	-0.408
2	-0.036	0.211	0.422	-0.422
3	-0.174	0.211	0.422	-0.422
4	-0.088	0.213	0.426	-0.426
5	0.182	0.213	0.427	-0.427
6	0.046	0.216	0.431	-0.431
7	-0.164	0.216	0.431	-0.431
8	-0.205	0.217	0.435	-0.435
9	-0.116	0.220	0.440	-0.440
10	0.118	0.221	0.442	-0.442
11	0.070	0.222	0.444	-0.444
12	-0.075	0.222	0.444	-0.444
13	-0.089	0.222	0.445	-0.445
14	-0.062	0.223	0.446	-0.446
15	0.249	0.223	0.446	-0.446

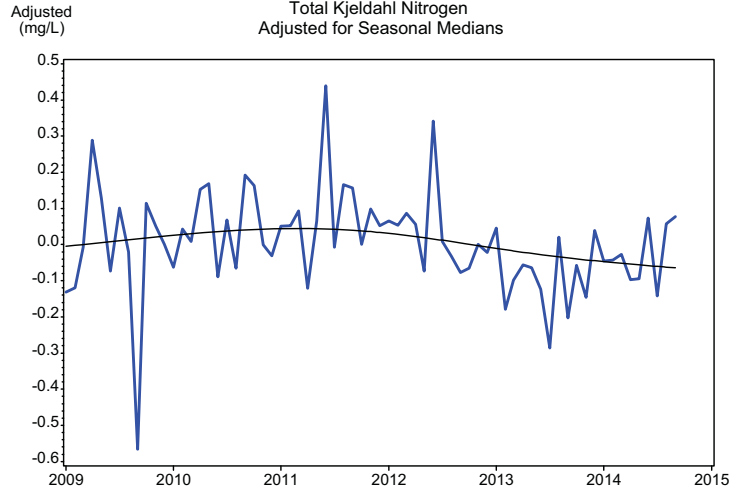
Cocohatchee Inland Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



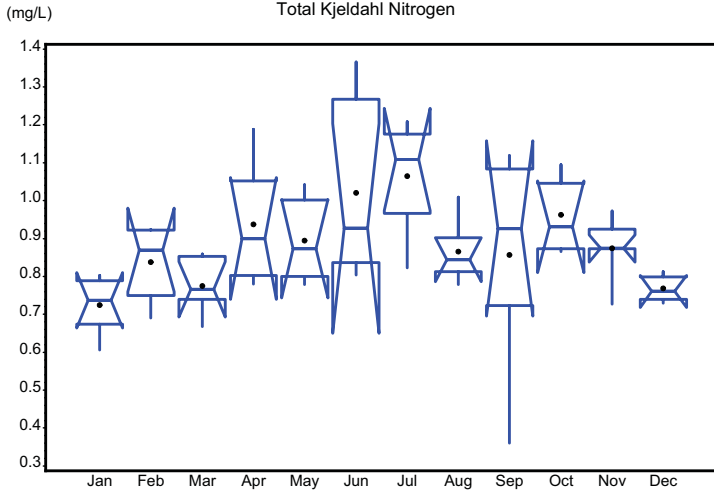
Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians



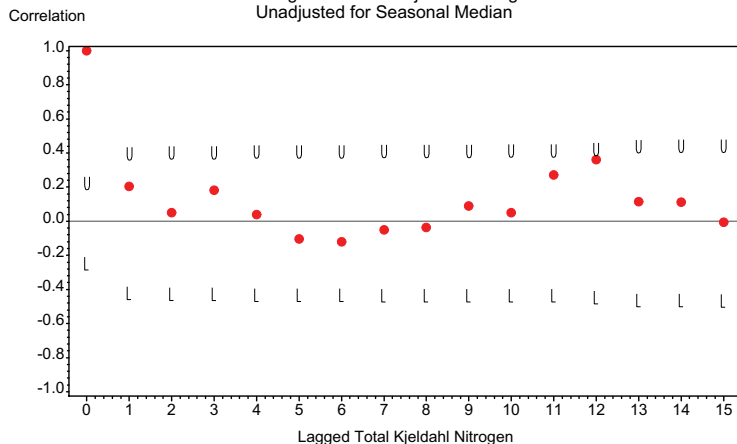
Cocohatchee Inland Trends Appendix
 Seasonal Univariate Statistics
 Total Kjeldahl Nitrogen



Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.204	0.204	0.408	-0.408
2	0.050	0.207	0.414	-0.414
3	0.182	0.207	0.414	-0.414
4	0.039	0.209	0.419	-0.419
5	-0.105	0.209	0.419	-0.419
6	-0.122	0.210	0.420	-0.420
7	-0.050	0.211	0.422	-0.422
8	-0.038	0.211	0.423	-0.423
9	0.088	0.211	0.423	-0.423
10	0.051	0.212	0.424	-0.424
11	0.272	0.212	0.424	-0.424
12	0.361	0.217	0.434	-0.434
13	0.115	0.225	0.450	-0.450
14	0.112	0.226	0.452	-0.452
15	-0.006	0.227	0.453	-0.453

Cocohatchee Inland Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

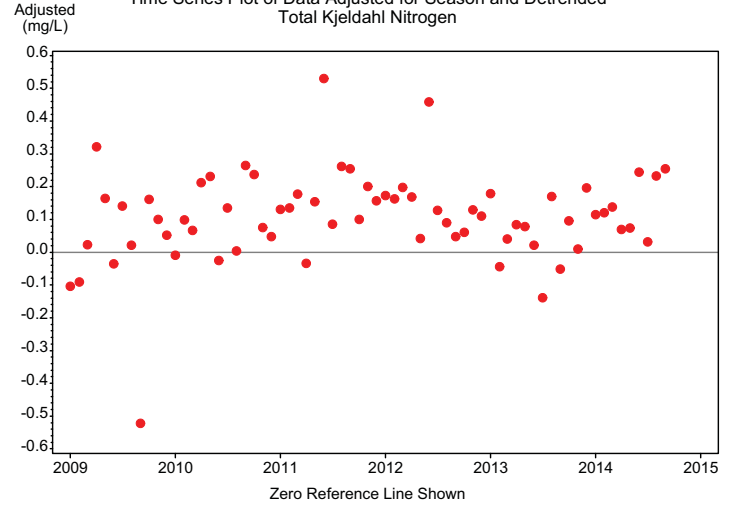
Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.067	0.208	-0.027

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.066905	0.20767	-0.026667

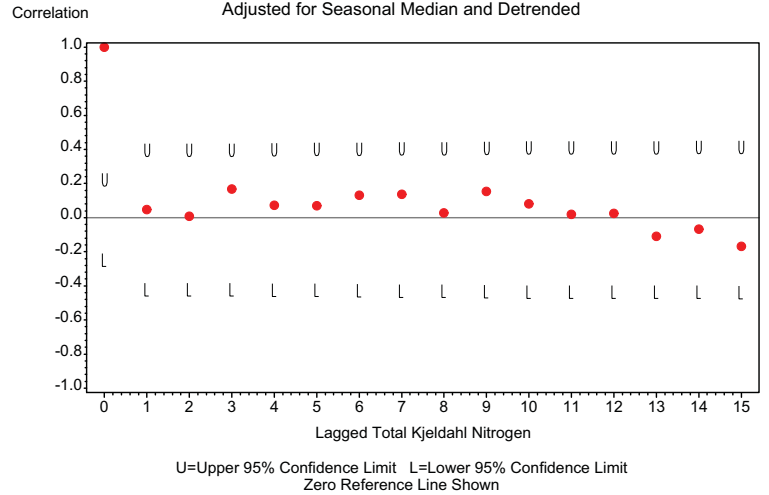
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



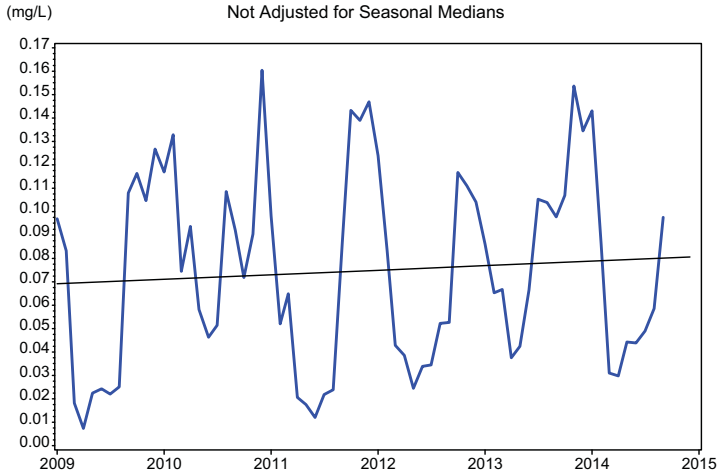
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.047	0.204	0.408	-0.408
2	0.009	0.204	0.409	-0.409
3	0.167	0.204	0.409	-0.409
4	0.073	0.206	0.412	-0.412
5	0.069	0.207	0.413	-0.413
6	0.131	0.207	0.414	-0.414
7	0.136	0.208	0.416	-0.416
8	0.028	0.209	0.418	-0.418
9	0.153	0.209	0.419	-0.419
10	0.081	0.211	0.422	-0.422
11	0.020	0.211	0.422	-0.422
12	0.025	0.211	0.423	-0.423
13	-0.110	0.211	0.423	-0.423
14	-0.067	0.212	0.424	-0.424
15	-0.169	0.212	0.425	-0.425

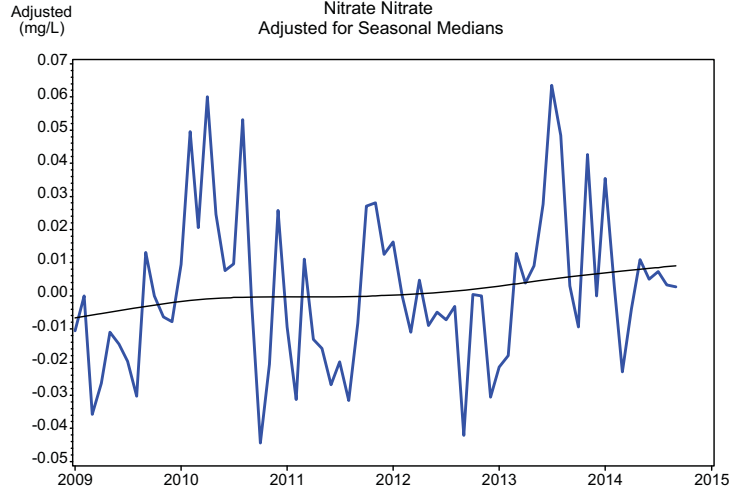
Cocohatchee Inland Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



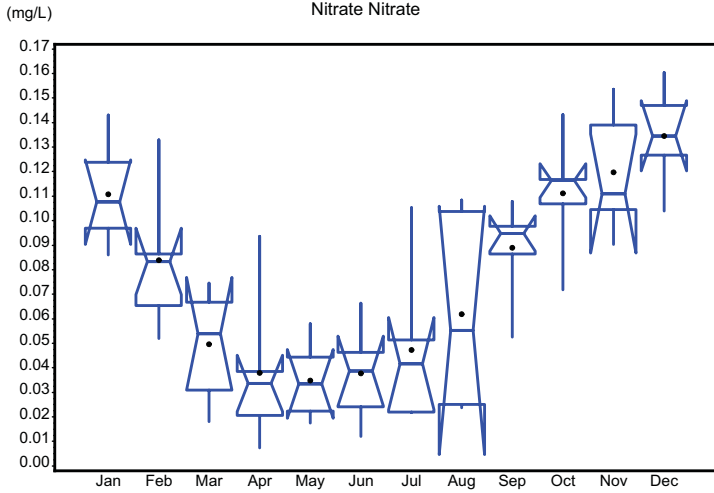
Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Adjusted for Seasonal Medians



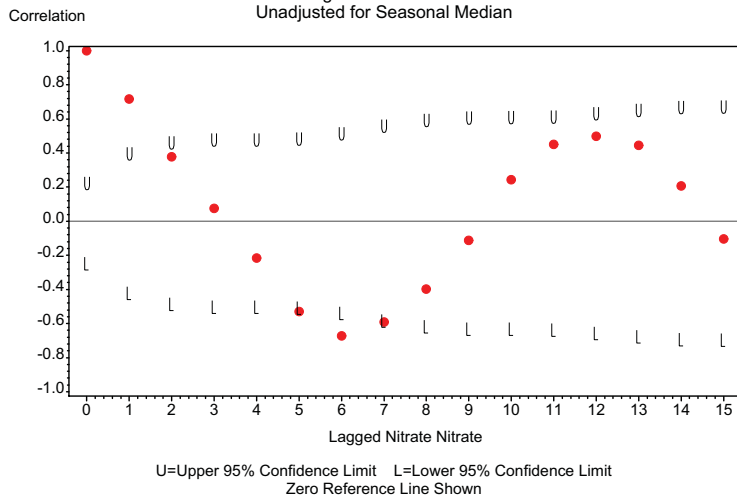
Cocohatchee Inland Trends Appendix
 Seasonal Univariate Statistics
 Nitrate Nitrate



Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.715	0.204	0.408	-0.408
2	0.378	0.236	0.473	-0.473
3	0.074	0.245	0.489	-0.489
4	-0.216	0.245	0.490	-0.490
5	-0.531	0.248	0.495	-0.495
6	-0.673	0.263	0.526	-0.526
7	-0.590	0.286	0.572	-0.572
8	-0.399	0.302	0.605	-0.605
9	-0.112	0.309	0.619	-0.619
10	0.244	0.310	0.620	-0.620
11	0.451	0.313	0.625	-0.625
12	0.497	0.322	0.643	-0.643
13	0.444	0.332	0.664	-0.664
14	0.207	0.340	0.680	-0.680
15	-0.104	0.342	0.684	-0.684

Cocohatchee Inland Trends Appendix
 Correlogram for Nitrate Nitrate
 Unadjusted for Seasonal Median



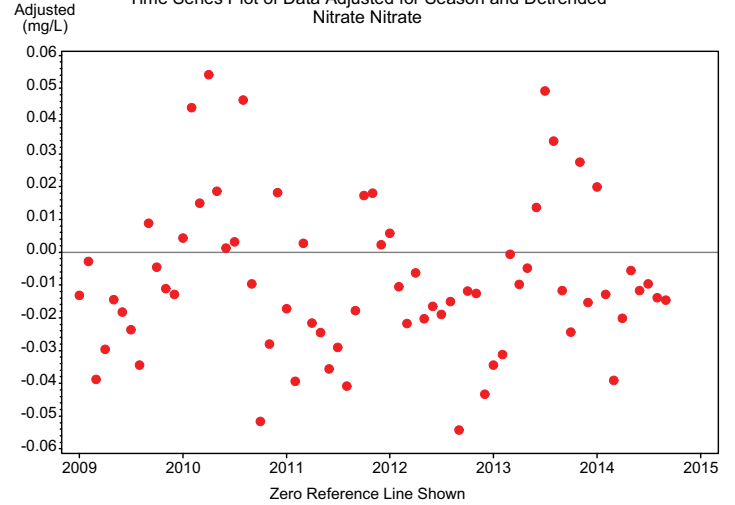
Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.158	0.15	0.404	.003

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.15152	0.16656	0.41304	.0026

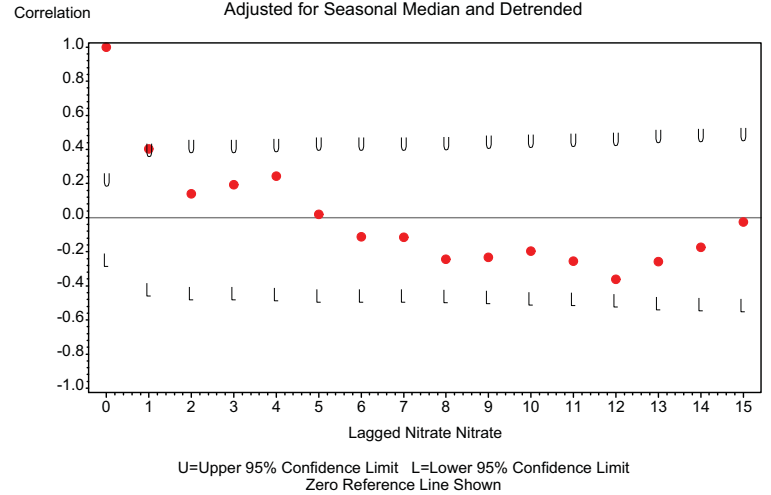
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



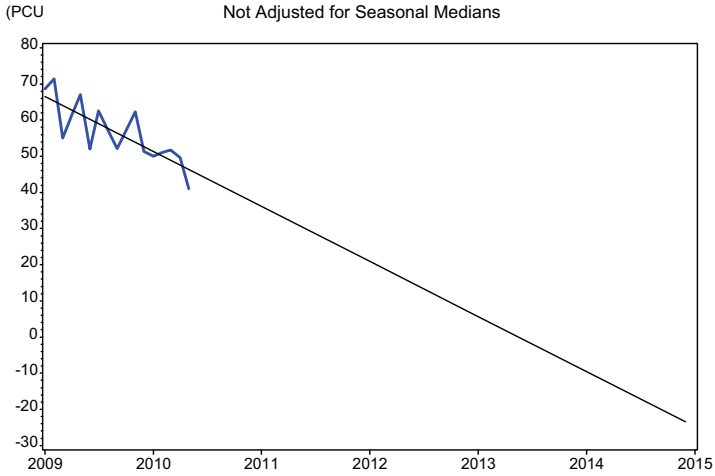
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.402	0.204	0.408	-0.408
2	0.139	0.215	0.430	-0.430
3	0.193	0.216	0.432	-0.432
4	0.244	0.218	0.437	-0.437
5	0.018	0.222	0.445	-0.445
6	-0.112	0.222	0.445	-0.445
7	-0.115	0.223	0.446	-0.446
8	-0.244	0.224	0.448	-0.448
9	-0.233	0.228	0.455	-0.455
10	-0.196	0.231	0.462	-0.462
11	-0.255	0.233	0.466	-0.466
12	-0.361	0.237	0.474	-0.474
13	-0.258	0.244	0.489	-0.489
14	-0.173	0.248	0.496	-0.496
15	-0.027	0.250	0.500	-0.500

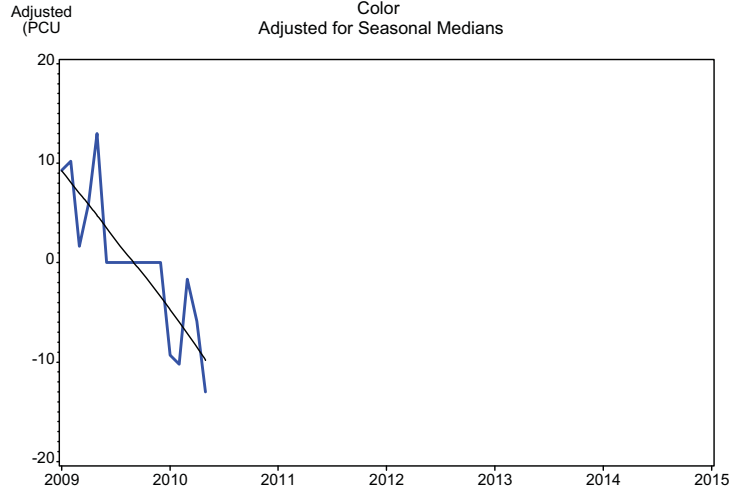
Cocohatchee Inland Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



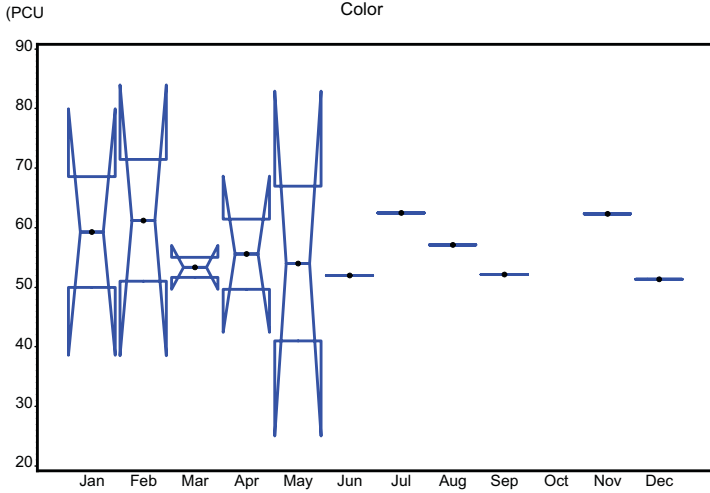
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Color
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Color
Adjusted for Seasonal Medians



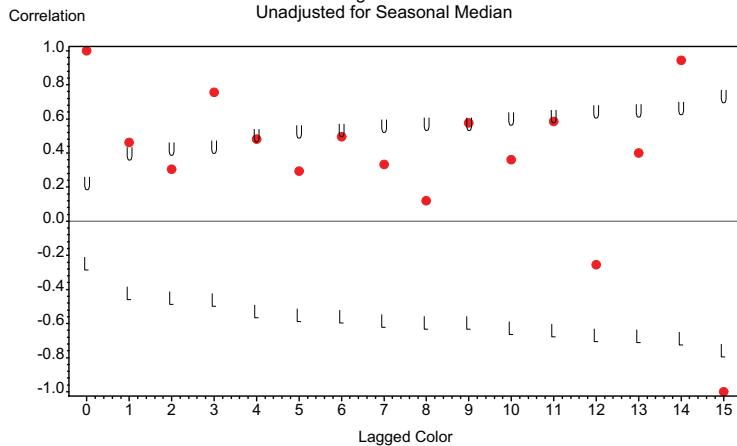
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Color



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Color
Unadjusted for Seasonal Medians

Lagged Color	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.461	0.204	0.408	-0.408
2	0.306	0.218	0.436	-0.436
3	0.756	0.224	0.448	-0.448
4	0.481	0.257	0.514	-0.514
5	0.294	0.269	0.538	-0.538
6	0.495	0.274	0.547	-0.547
7	0.332	0.286	0.571	-0.571
8	0.121	0.291	0.582	-0.582
9	0.575	0.292	0.583	-0.583
10	0.362	0.307	0.614	-0.614
11	0.584	0.313	0.626	-0.626
12	-0.256	0.328	0.656	-0.656
13	0.399	0.331	0.661	-0.661
14	0.942	0.337	0.674	-0.674
15	-1.000	0.372	0.744	-0.744

Cocohatchee Inland Trends Appendix
Correlogram for Color
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

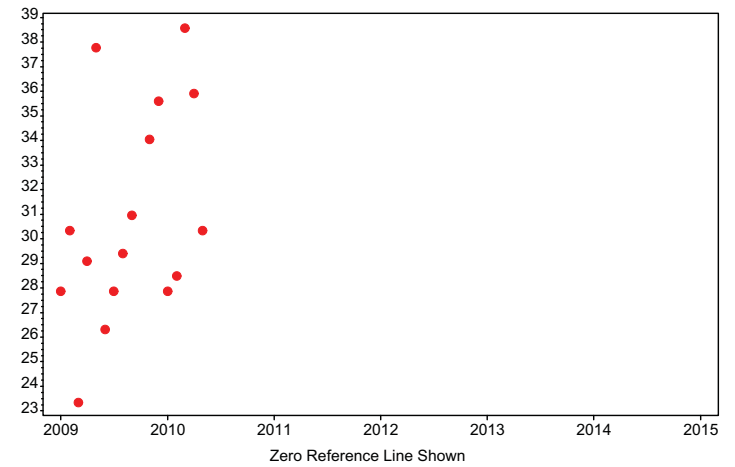
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Color
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-1	0.074	0.424	-18.571

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Color
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-1	0.073638	0.42371	-18.572

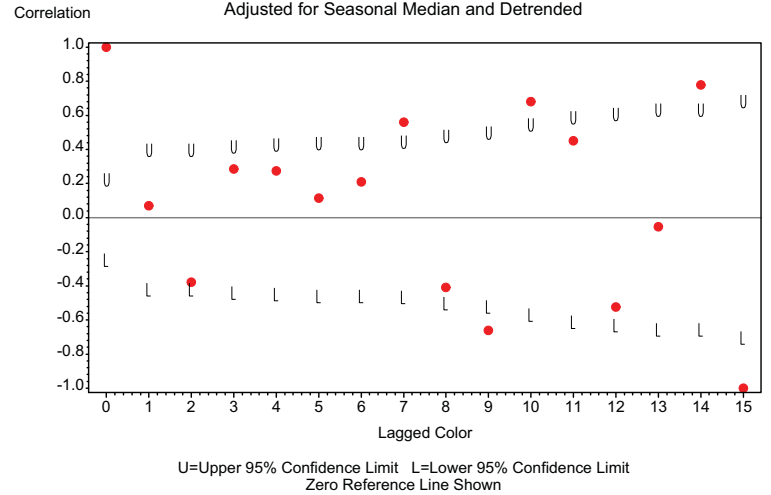
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Color



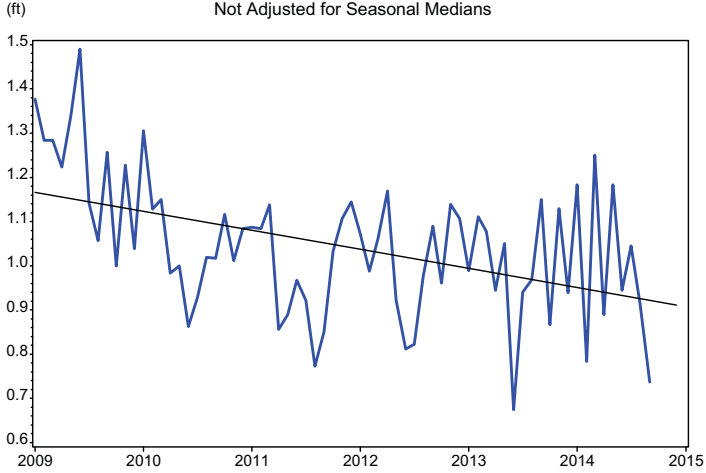
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Color
 Adjusted for Seasonal Median and Detrended

Lagged Color	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.070	0.204	0.408	-0.408
2	-0.378	0.204	0.409	-0.409
3	0.284	0.214	0.428	-0.428
4	0.274	0.219	0.438	-0.438
5	0.114	0.224	0.448	-0.448
6	0.209	0.225	0.449	-0.449
7	0.559	0.227	0.455	-0.455
8	-0.410	0.246	0.491	-0.491
9	-0.662	0.255	0.510	-0.510
10	0.679	0.278	0.556	-0.556
11	0.450	0.300	0.600	-0.600
12	-0.524	0.309	0.619	-0.619
13	-0.055	0.321	0.643	-0.643
14	0.778	0.321	0.643	-0.643
15	-1.000	0.347	0.693	-0.693

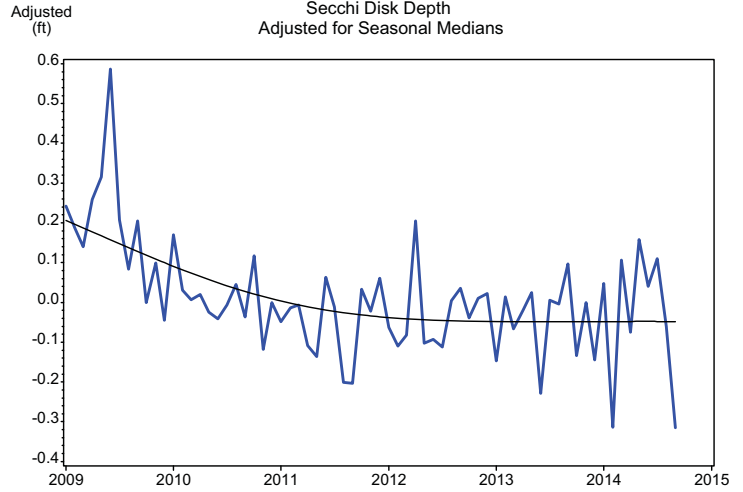
Cocohatchee Inland Trends Appendix
 Correlogram for Color
 Adjusted for Seasonal Median and Detrended



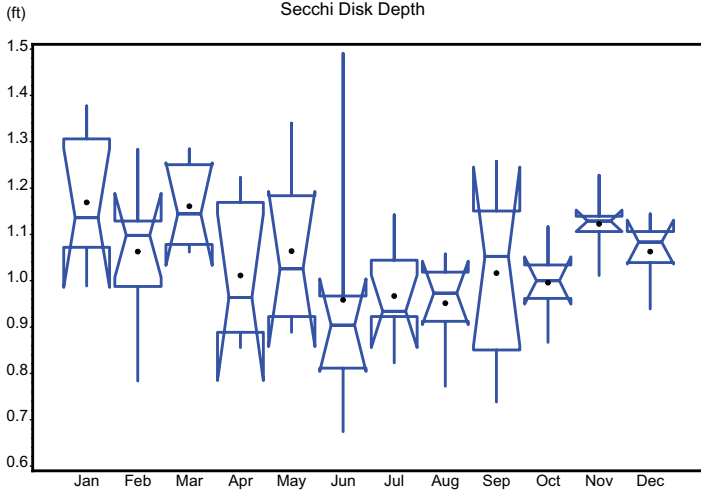
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



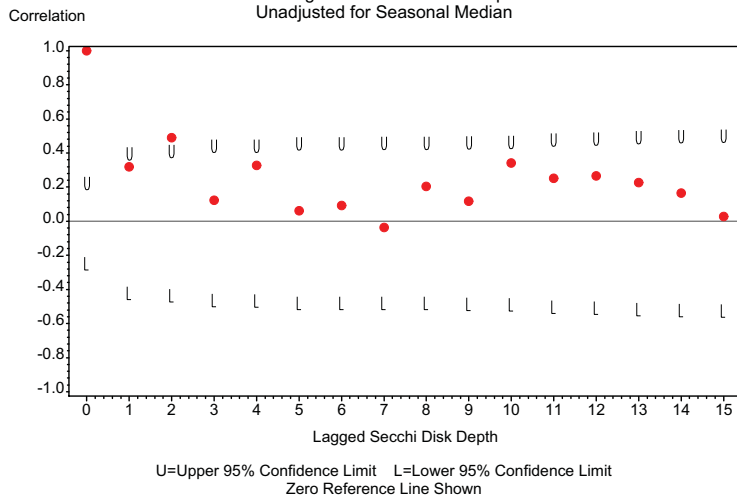
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.320	0.204	0.408	-0.408
2	0.490	0.211	0.422	-0.422
3	0.123	0.226	0.452	-0.452
4	0.328	0.227	0.454	-0.454
5	0.062	0.234	0.467	-0.467
6	0.092	0.234	0.468	-0.468
7	-0.036	0.234	0.469	-0.469
8	0.203	0.234	0.469	-0.469
9	0.116	0.237	0.474	-0.474
10	0.340	0.238	0.475	-0.475
11	0.252	0.244	0.489	-0.489
12	0.266	0.248	0.496	-0.496
13	0.227	0.252	0.504	-0.504
14	0.165	0.255	0.509	-0.509
15	0.028	0.256	0.512	-0.512

Cocohatchee Inland Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



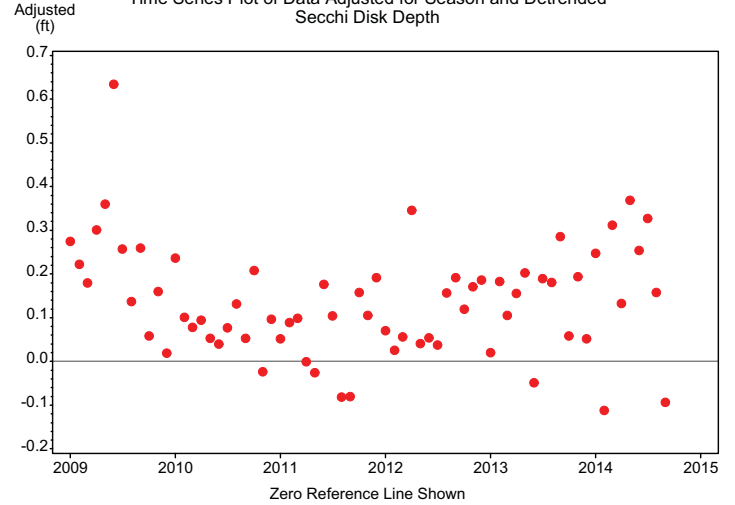
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.358	.001	0.095	-0.033

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.35758	.00089681	0.095484	-0.03325

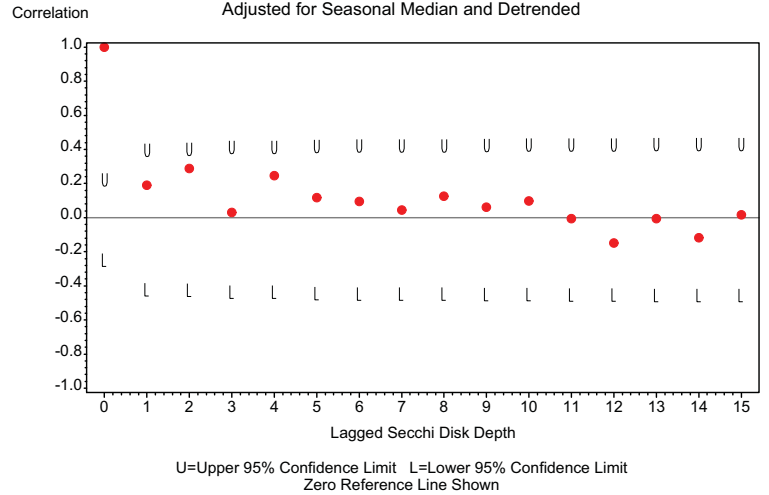
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



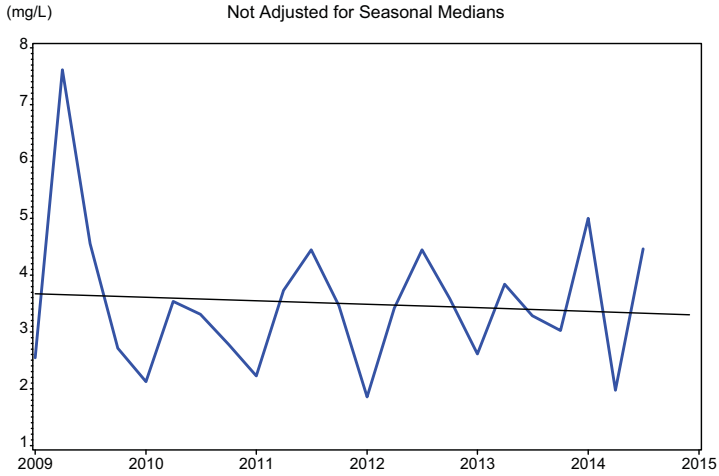
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.189	0.204	0.408	-0.408
2	0.288	0.207	0.413	-0.413
3	0.031	0.212	0.424	-0.424
4	0.245	0.212	0.424	-0.424
5	0.117	0.216	0.432	-0.432
6	0.095	0.217	0.434	-0.434
7	0.043	0.217	0.435	-0.435
8	0.126	0.218	0.435	-0.435
9	0.062	0.219	0.437	-0.437
10	0.097	0.219	0.438	-0.438
11	-0.006	0.219	0.439	-0.439
12	-0.149	0.219	0.439	-0.439
13	-0.005	0.221	0.442	-0.442
14	-0.119	0.221	0.442	-0.442
15	0.015	0.222	0.443	-0.443

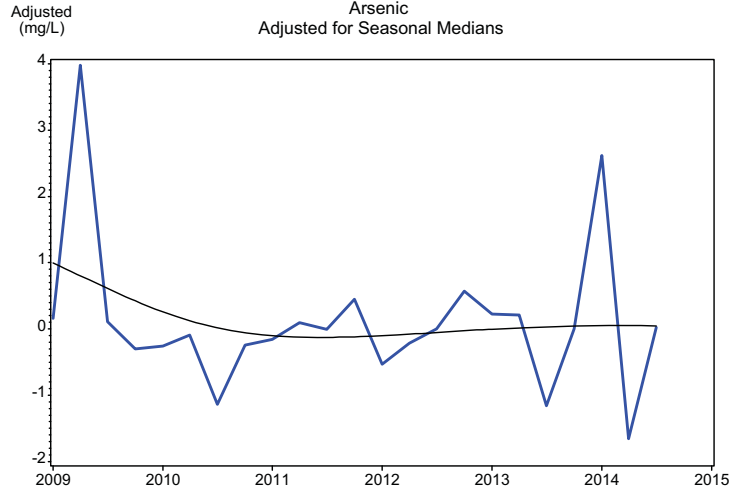
Cocohatchee Inland Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



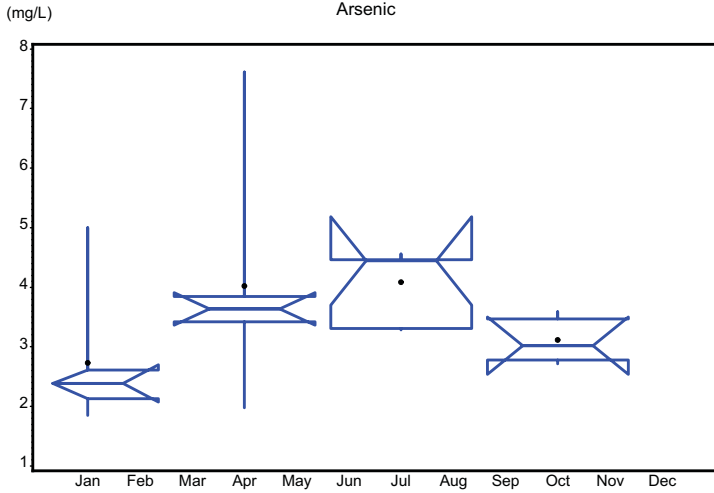
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Arsenic
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Arsenic
Adjusted for Seasonal Medians



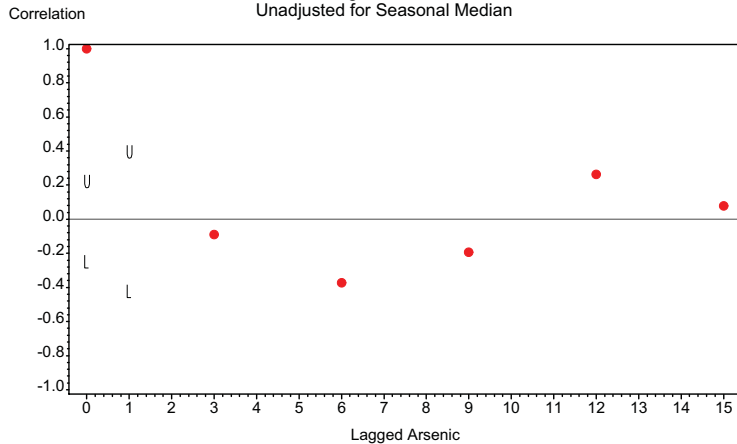
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Arsenic



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Arsenic
Unadjusted for Seasonal Medians

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.090	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.374	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.194	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.263	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.079	.	.	.

Cocohatchee Inland Trends Appendix
Correlogram for Arsenic
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

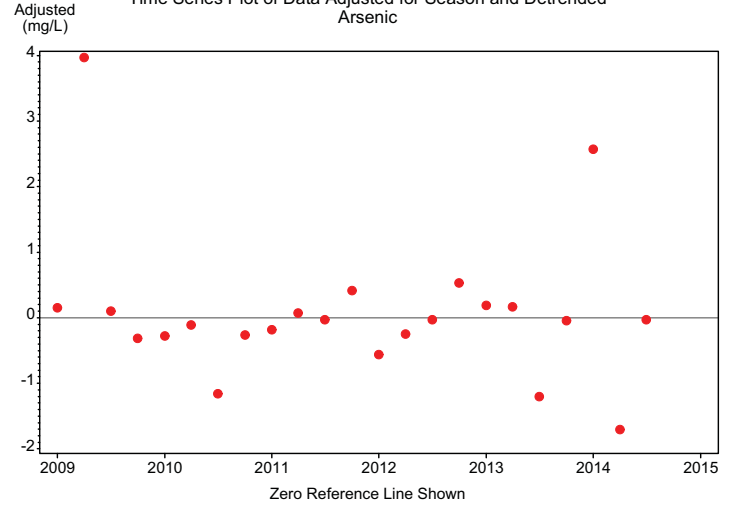
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Arsenic
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.843	0.8	.008

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Arsenic
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.84277	0.80002	.00766667

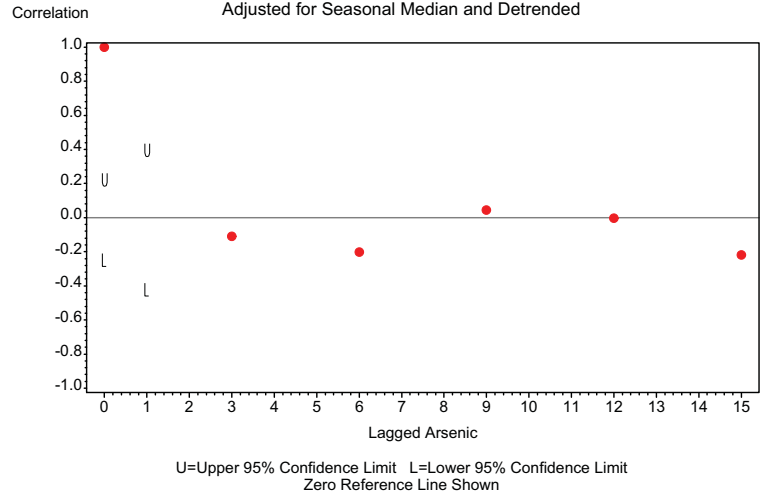
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Arsenic



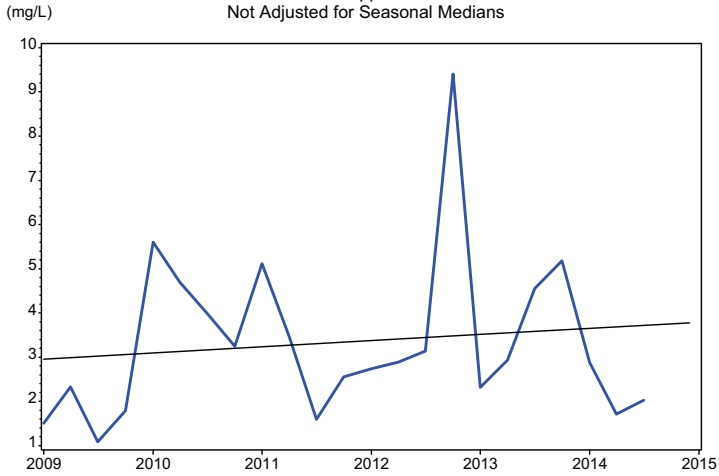
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Arsenic
 Adjusted for Seasonal Median and Detrended

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.110	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.202	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.045	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.002	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.218	.	.	.

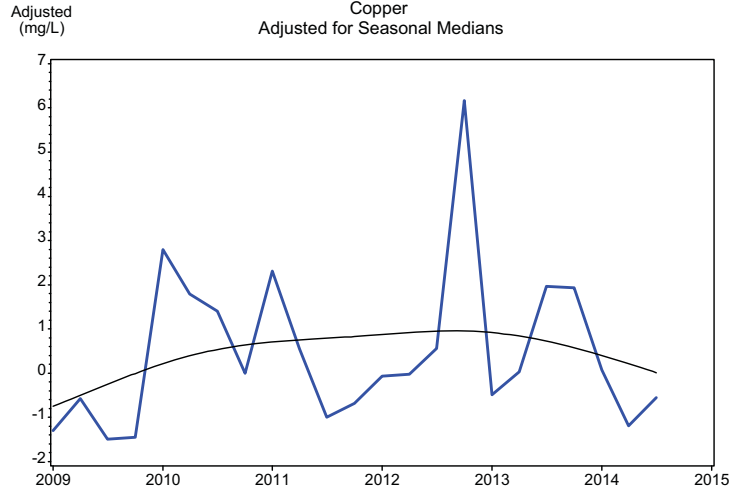
Cocohatchee Inland Trends Appendix
 Correlogram for Arsenic
 Adjusted for Seasonal Median and Detrended



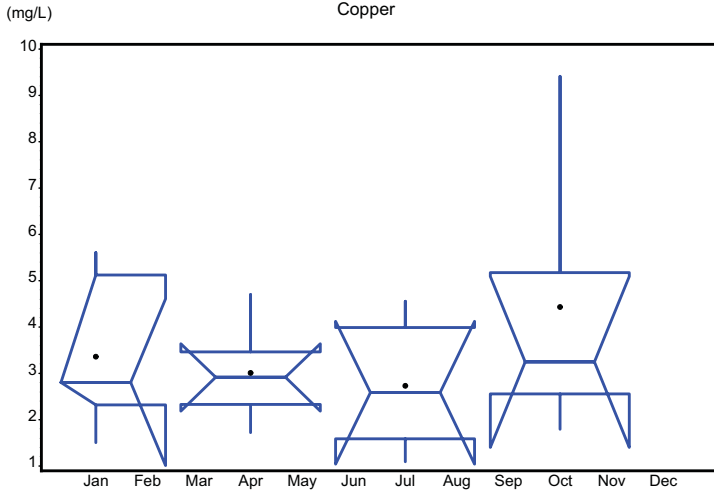
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Copper
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Copper
Adjusted for Seasonal Medians



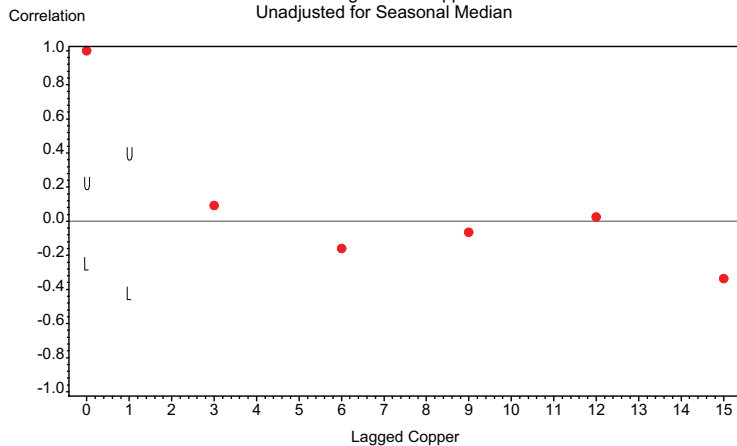
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Copper



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Copper
Unadjusted for Seasonal Medians

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.093	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.159	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.064	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.024	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.336	.	.	.

Cocohatchee Inland Trends Appendix
Correlogram for Copper
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

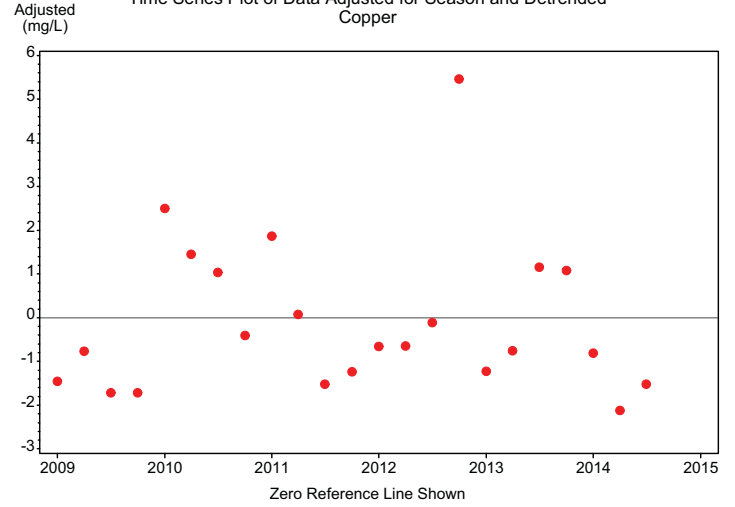
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Copper
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.091	0.692	0.78	0.147

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Copper
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.090909	0.69158	0.77996	0.14767

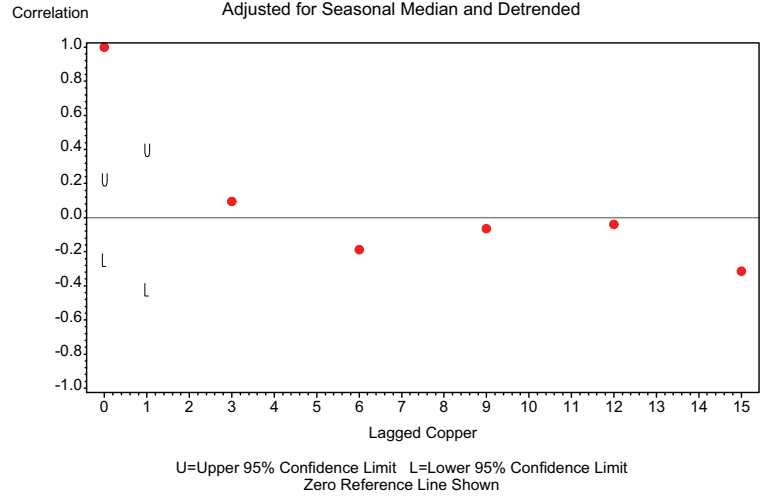
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Copper



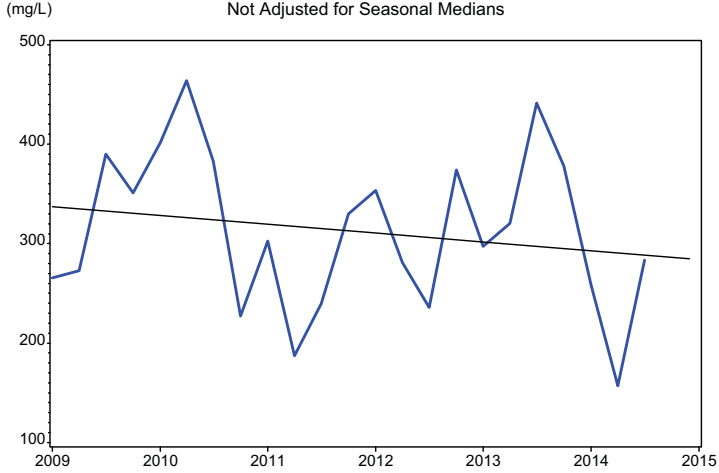
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Copper
 Adjusted for Seasonal Median and Detrended

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.095	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.188	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.065	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.039	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.314	.	.	.

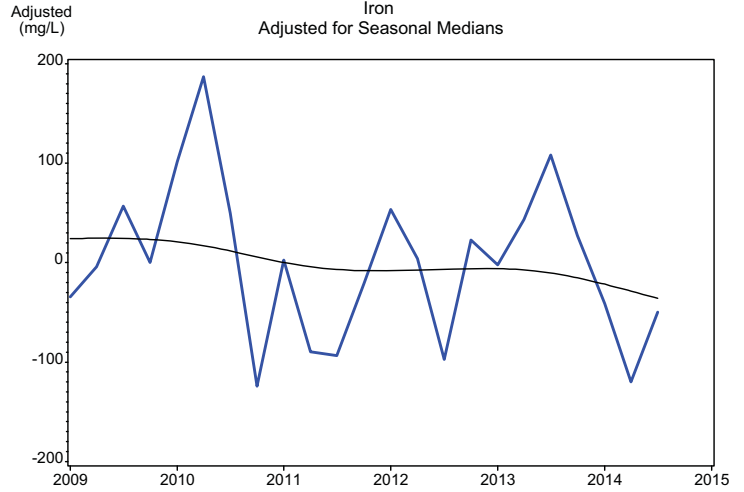
Cocohatchee Inland Trends Appendix
 Correlogram for Copper
 Adjusted for Seasonal Median and Detrended



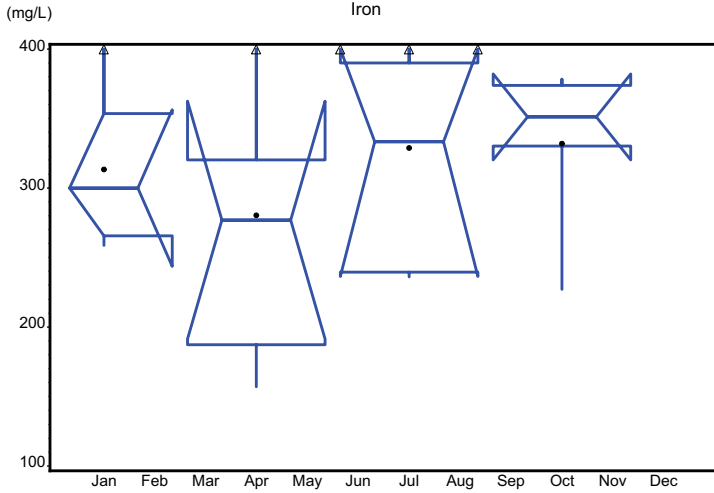
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Iron
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Iron
Adjusted for Seasonal Medians



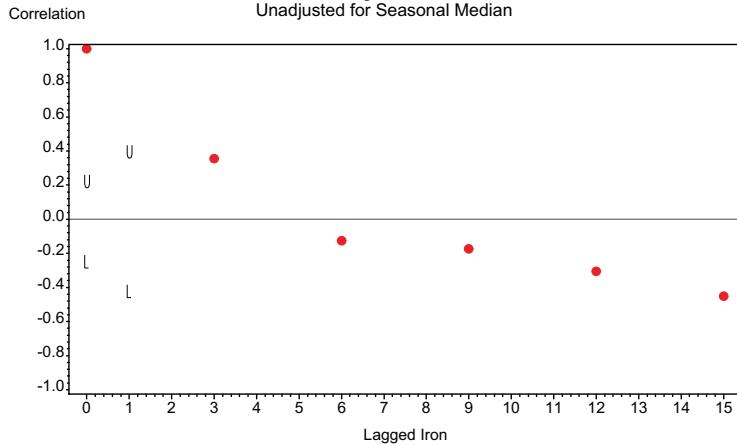
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Iron



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Iron
Unadjusted for Seasonal Medians

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.355	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.127	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.173	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.306	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.450	.	.	.

Cocohatchee Inland Trends Appendix
Correlogram for Iron
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

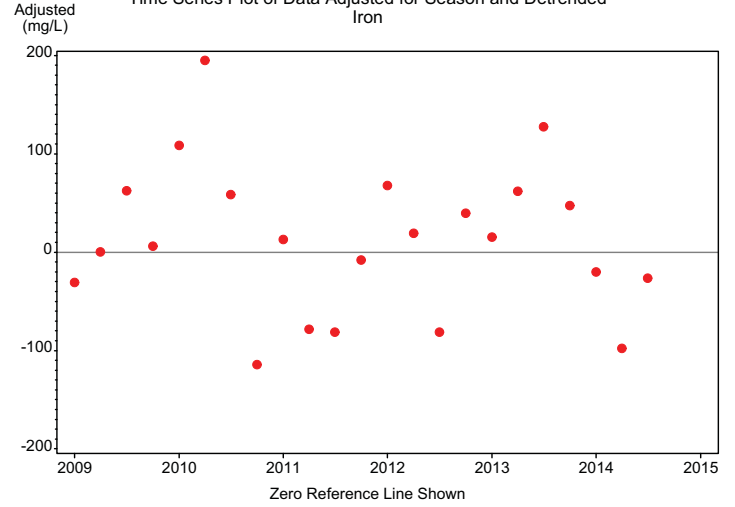
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Iron
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.091	0.692	0.734	-3.534

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Iron
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.090909	0.69158	0.73379	-3.534

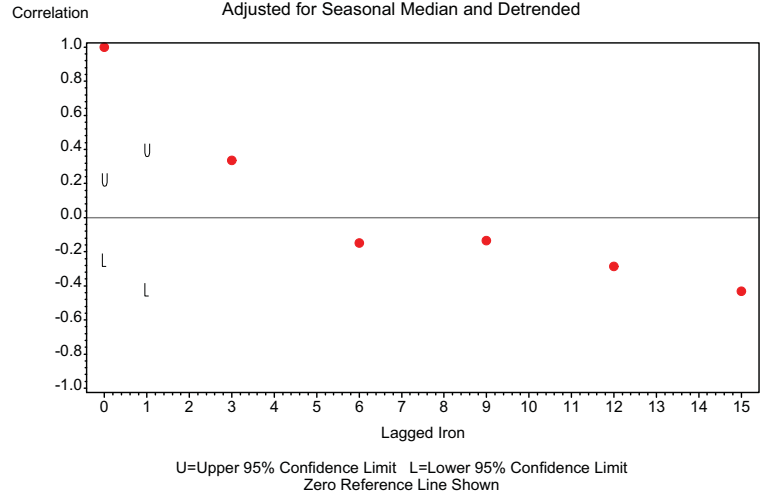
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Iron



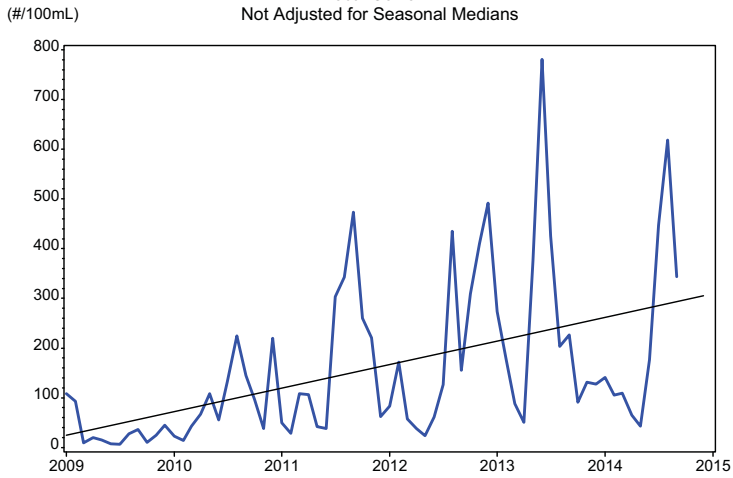
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Iron
 Adjusted for Seasonal Median and Detrended

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.336	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.150	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.136	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.287	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.432	.	.	.

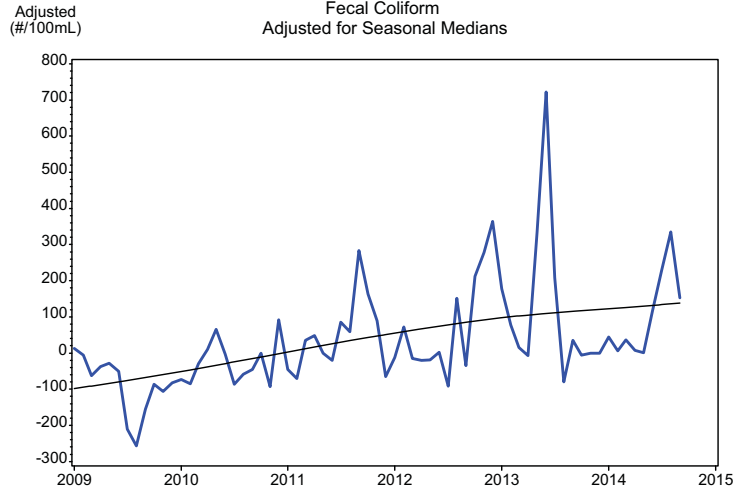
Cocohatchee Inland Trends Appendix
 Correlogram for Iron
 Adjusted for Seasonal Median and Detrended



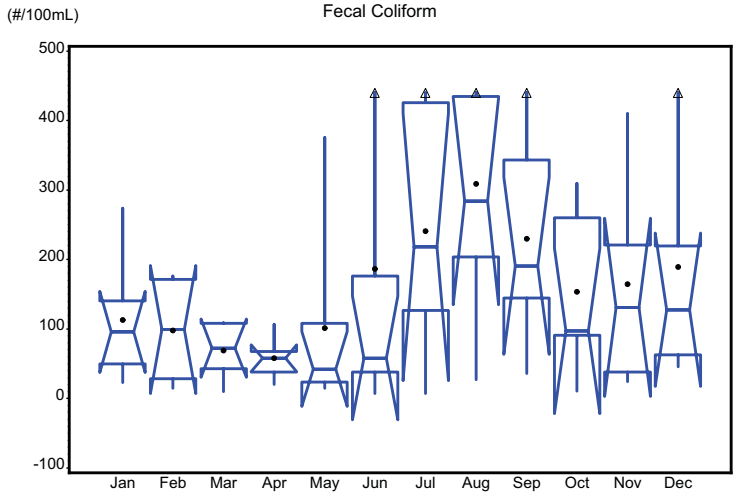
Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Cocohatchee Inland Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



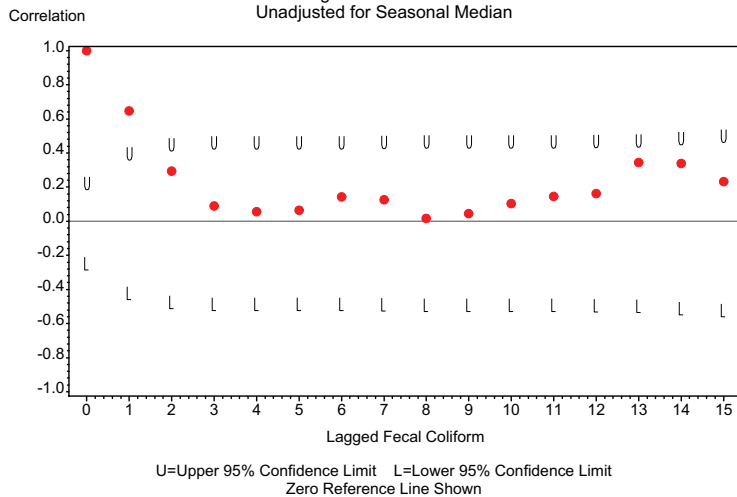
Cocohatchee Inland Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Cocohatchee Inland Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.646	0.204	0.408	-0.408
2	0.294	0.231	0.461	-0.461
3	0.088	0.236	0.472	-0.472
4	0.056	0.236	0.473	-0.473
5	0.064	0.237	0.473	-0.473
6	0.143	0.237	0.474	-0.474
7	0.126	0.238	0.476	-0.476
8	0.015	0.239	0.478	-0.478
9	0.044	0.239	0.478	-0.478
10	0.104	0.239	0.478	-0.478
11	0.145	0.240	0.479	-0.479
12	0.162	0.241	0.482	-0.482
13	0.345	0.242	0.485	-0.485
14	0.339	0.249	0.498	-0.498
15	0.231	0.255	0.511	-0.511

Cocohatchee Inland Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



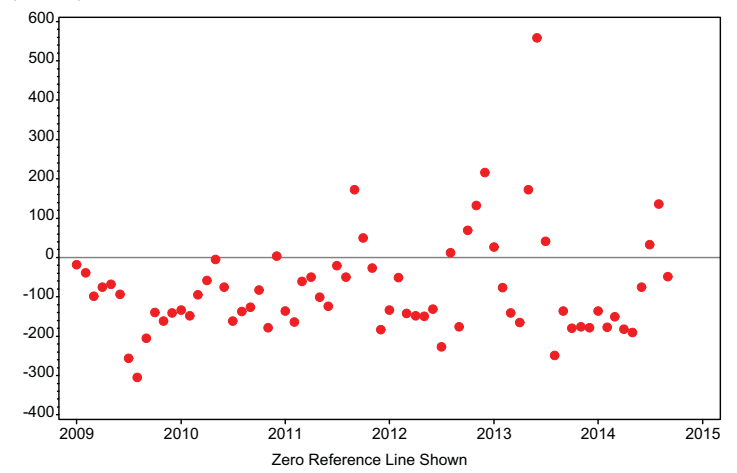
Cocohatchee Inland Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.527	0	0.022	30.25

Cocohatchee Inland Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.52727	.000000834	0.021958	30.25

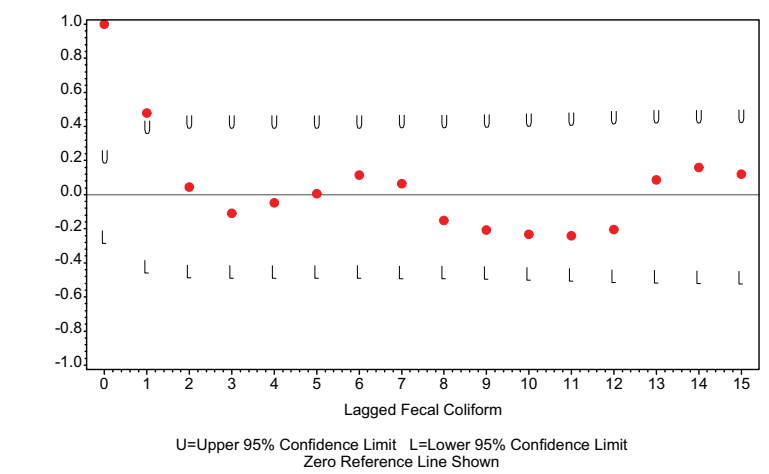
Cocohatchee Inland Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



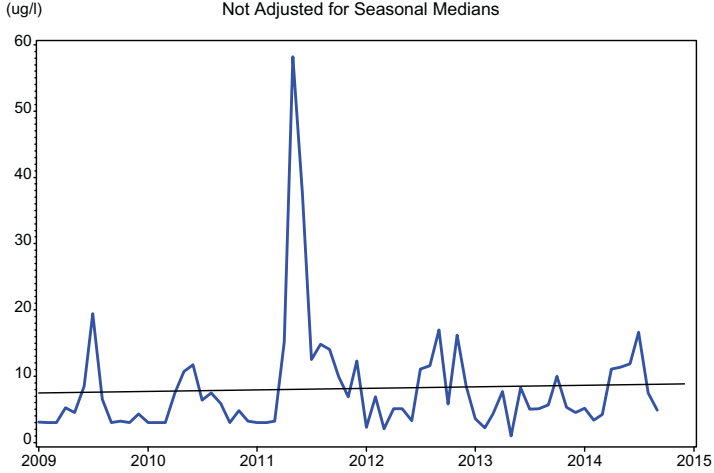
Cocohatchee Inland Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.479	0.204	0.408	-0.408
2	0.045	0.219	0.438	-0.438
3	-0.110	0.219	0.439	-0.439
4	-0.047	0.220	0.440	-0.440
5	0.006	0.220	0.440	-0.440
6	0.115	0.220	0.440	-0.440
7	0.063	0.221	0.442	-0.442
8	-0.152	0.221	0.443	-0.443
9	-0.208	0.223	0.445	-0.445
10	-0.233	0.225	0.451	-0.451
11	-0.240	0.229	0.457	-0.457
12	-0.204	0.232	0.464	-0.464
13	0.086	0.235	0.469	-0.469
14	0.158	0.235	0.470	-0.470
15	0.121	0.237	0.473	-0.473

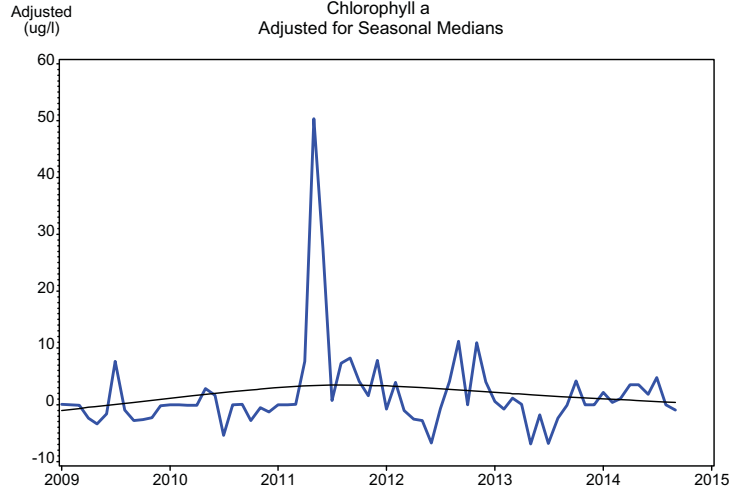
Cocohatchee Inland Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



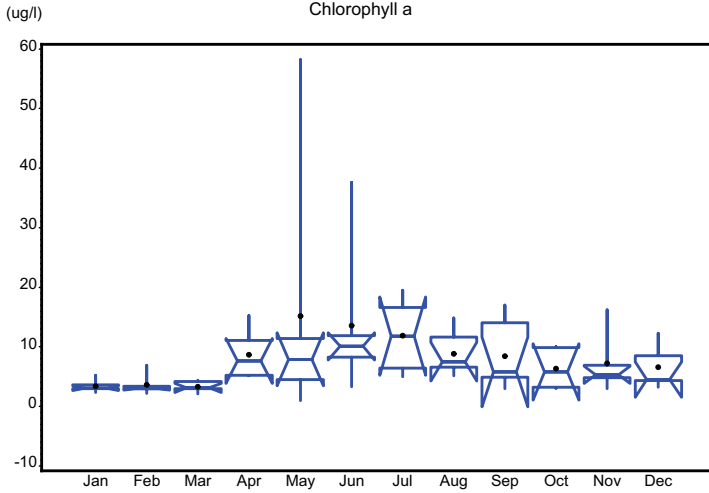
Cocohatchee River Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



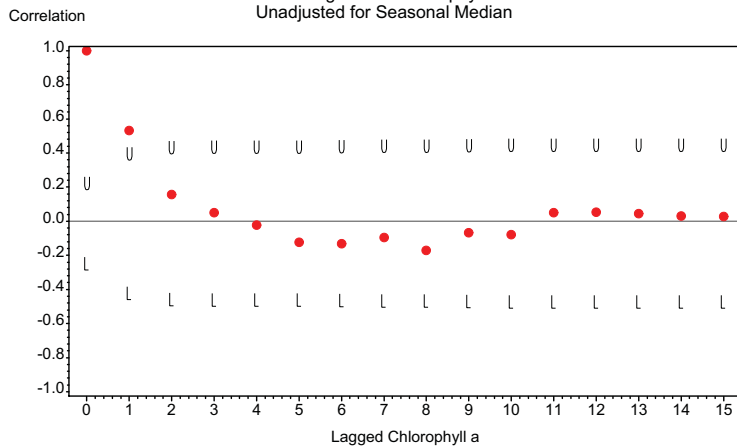
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.532	0.204	0.408	-0.408
2	0.157	0.223	0.445	-0.445
3	0.051	0.224	0.448	-0.448
4	-0.023	0.224	0.449	-0.449
5	-0.125	0.224	0.449	-0.449
6	-0.133	0.225	0.451	-0.451
7	-0.096	0.226	0.453	-0.453
8	-0.172	0.227	0.454	-0.454
9	-0.068	0.229	0.457	-0.457
10	-0.079	0.229	0.458	-0.458
11	0.051	0.229	0.459	-0.459
12	0.052	0.230	0.459	-0.459
13	0.044	0.230	0.459	-0.459
14	0.030	0.230	0.460	-0.460
15	0.027	0.230	0.460	-0.460

Cocohatchee River Trends Appendix
Corelogram for Chlorophyll a
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

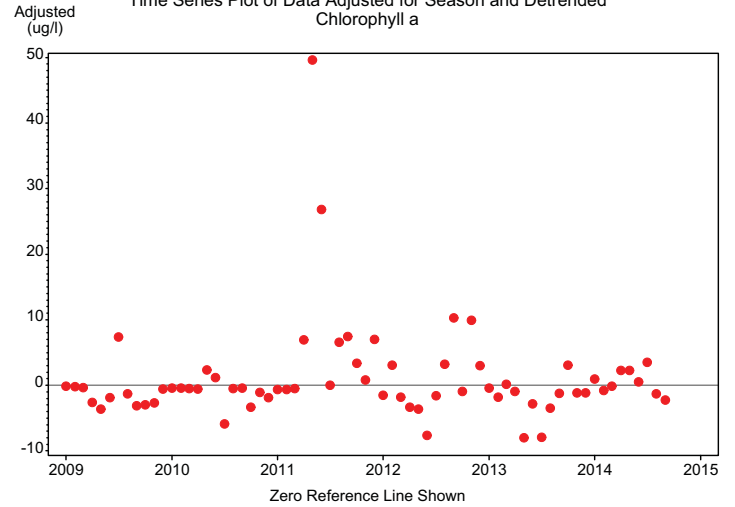
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.188	0.082	0.294	0.2

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.18788	0.082408	0.29352	0.2

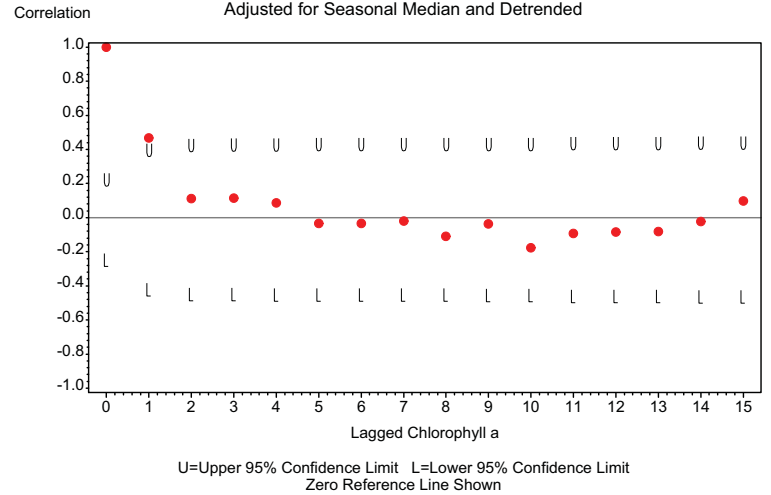
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



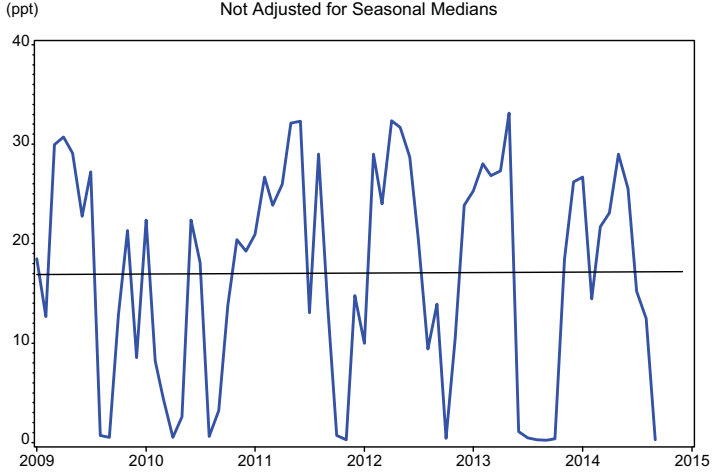
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.466	0.204	0.408	-0.408
2	0.111	0.218	0.437	-0.437
3	0.115	0.219	0.438	-0.438
4	0.086	0.220	0.440	-0.440
5	-0.033	0.220	0.441	-0.441
6	-0.035	0.221	0.441	-0.441
7	-0.020	0.221	0.441	-0.441
8	-0.109	0.221	0.441	-0.441
9	-0.038	0.221	0.443	-0.443
10	-0.177	0.221	0.443	-0.443
11	-0.094	0.223	0.447	-0.447
12	-0.084	0.224	0.448	-0.448
13	-0.083	0.224	0.449	-0.449
14	-0.023	0.225	0.450	-0.450
15	0.098	0.225	0.450	-0.450

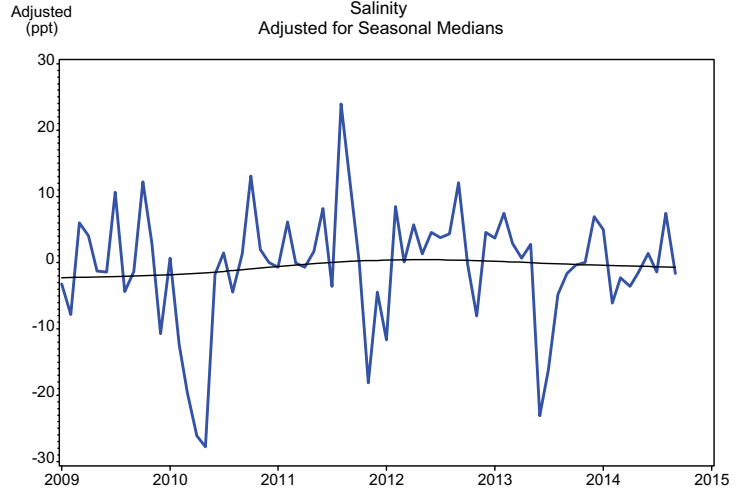
Cocohatchee River Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



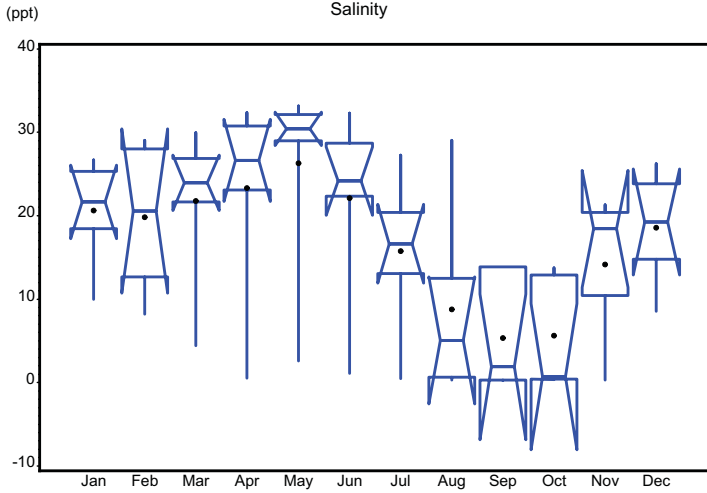
Cocohatchee River Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



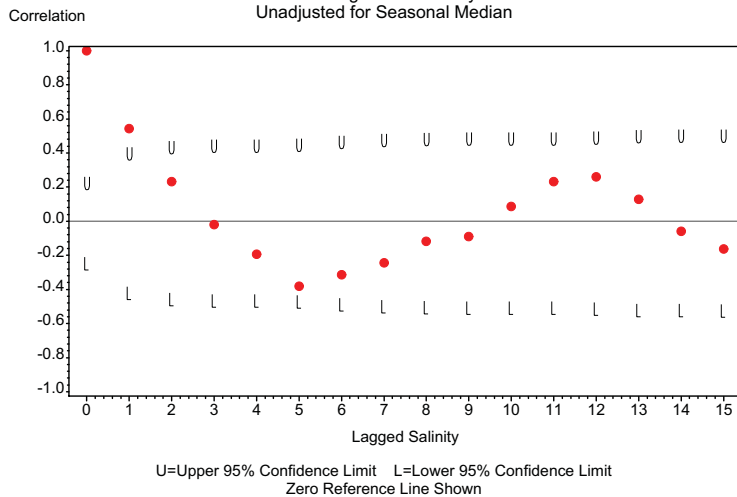
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Salinity



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.542	0.204	0.408	-0.408
2	0.233	0.223	0.446	-0.446
3	-0.021	0.227	0.453	-0.453
4	-0.195	0.227	0.453	-0.453
5	-0.381	0.229	0.458	-0.458
6	-0.313	0.238	0.475	-0.475
7	-0.243	0.243	0.486	-0.486
8	-0.119	0.247	0.493	-0.493
9	-0.089	0.247	0.495	-0.495
10	0.087	0.248	0.496	-0.496
11	0.231	0.248	0.496	-0.496
12	0.259	0.251	0.502	-0.502
13	0.128	0.255	0.510	-0.510
14	-0.060	0.256	0.511	-0.511
15	-0.164	0.256	0.512	-0.512

Cocohatchee River Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



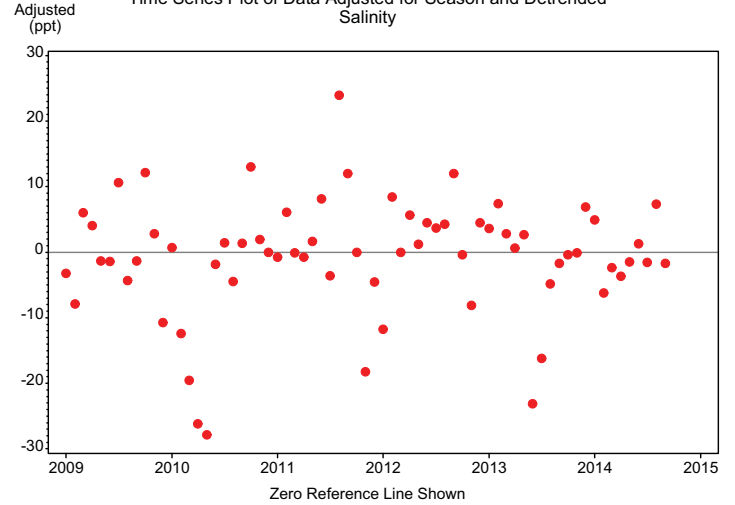
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.006	1	1	0.015

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.00606061	1	1	0.014999

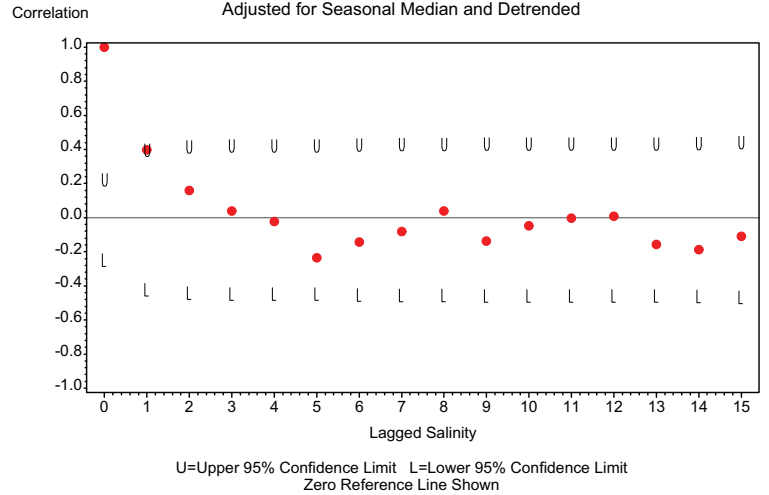
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



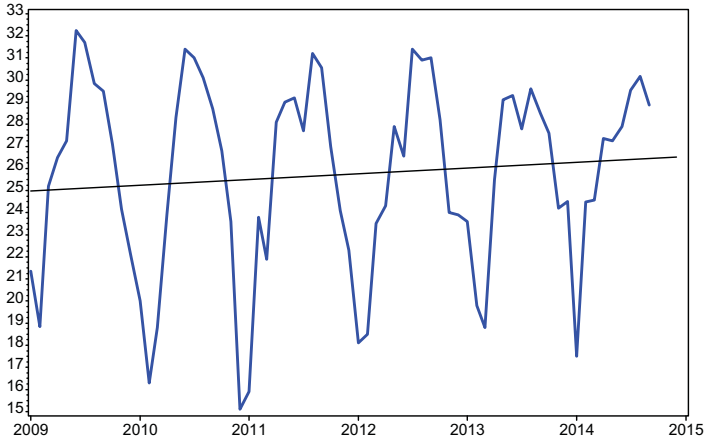
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.398	0.204	0.408	-0.408
2	0.160	0.215	0.429	-0.429
3	0.040	0.216	0.433	-0.433
4	-0.022	0.216	0.433	-0.433
5	-0.235	0.216	0.433	-0.433
6	-0.143	0.220	0.440	-0.440
7	-0.083	0.221	0.442	-0.442
8	0.038	0.222	0.443	-0.443
9	-0.138	0.222	0.444	-0.444
10	-0.049	0.223	0.446	-0.446
11	-0.002	0.223	0.446	-0.446
12	0.008	0.223	0.446	-0.446
13	-0.157	0.223	0.446	-0.446
14	-0.189	0.225	0.449	-0.449
15	-0.110	0.227	0.454	-0.454

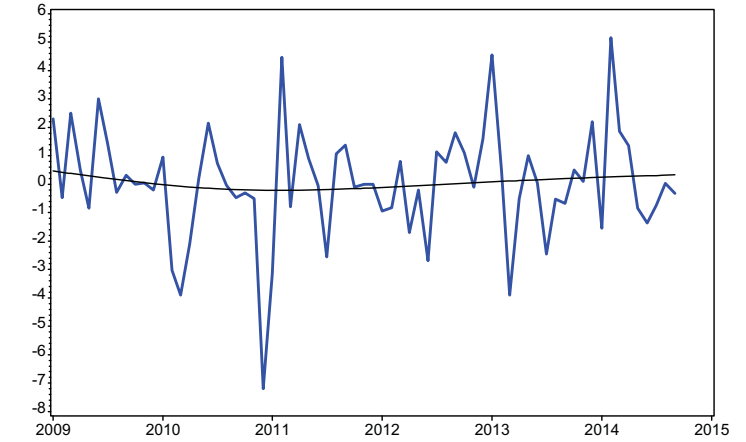
Cocohatchee River Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



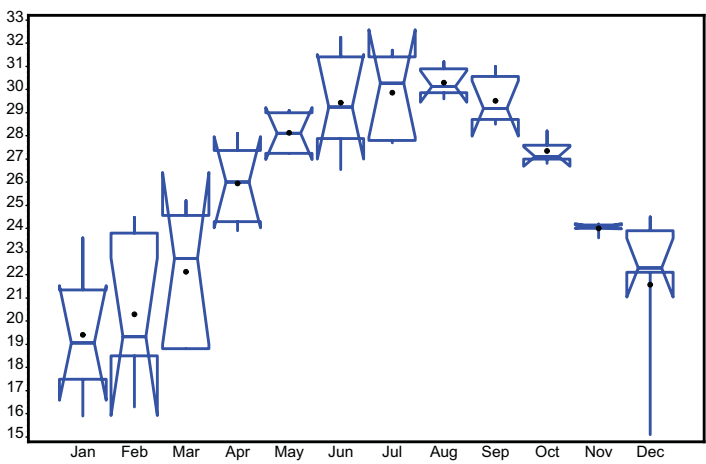
Cocohatchee River Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



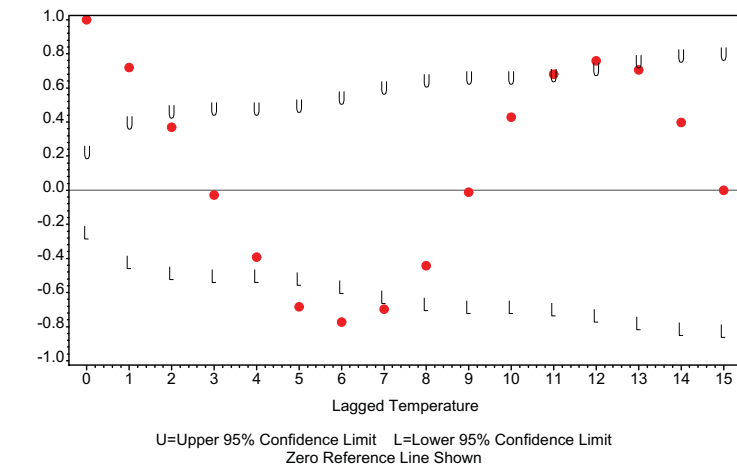
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Temperature



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.718	0.204	0.408	-0.408
2	0.368	0.237	0.473	-0.473
3	-0.029	0.244	0.489	-0.489
4	-0.393	0.244	0.489	-0.489
5	-0.683	0.253	0.506	-0.506
6	-0.774	0.278	0.555	-0.555
7	-0.698	0.306	0.612	-0.612
8	-0.443	0.327	0.655	-0.655
9	-0.013	0.336	0.671	-0.671
10	0.427	0.336	0.671	-0.671
11	0.681	0.343	0.686	-0.686
12	0.757	0.361	0.723	-0.723
13	0.705	0.383	0.766	-0.766
14	0.398	0.400	0.801	-0.801
15	0.000	0.406	0.812	-0.812

Cocohatchee River Trends Appendix
Corelogram for Temperature
Unadjusted for Seasonal Median



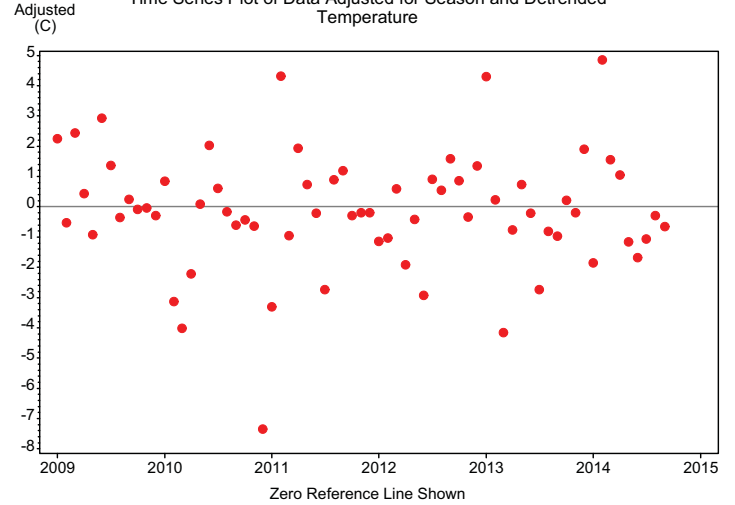
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.646	0.652	0.05

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.64581	0.65183	0.05

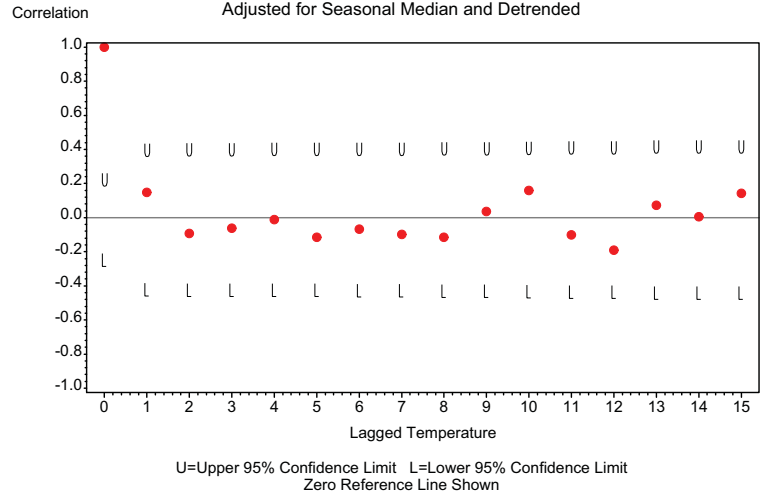
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



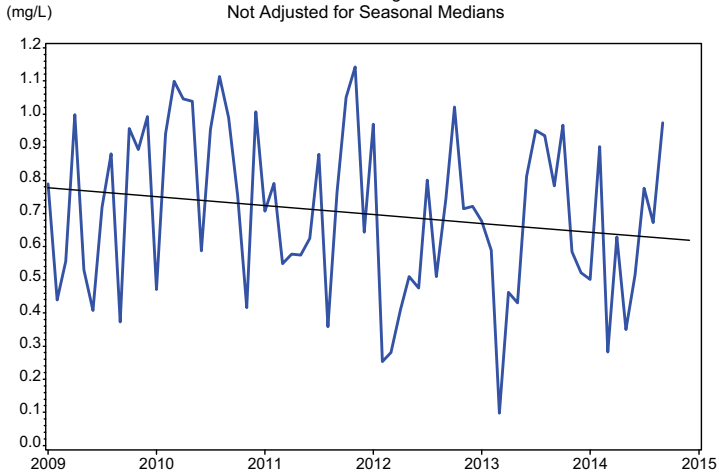
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.147	0.204	0.408	-0.408
2	-0.093	0.206	0.411	-0.411
3	-0.063	0.206	0.412	-0.412
4	-0.013	0.206	0.413	-0.413
5	-0.116	0.206	0.413	-0.413
6	-0.068	0.207	0.415	-0.415
7	-0.099	0.208	0.415	-0.415
8	-0.116	0.208	0.417	-0.417
9	0.037	0.209	0.418	-0.418
10	0.160	0.209	0.419	-0.419
11	-0.101	0.211	0.422	-0.422
12	-0.190	0.212	0.423	-0.423
13	0.072	0.214	0.428	-0.428
14	0.005	0.214	0.429	-0.429
15	0.142	0.214	0.429	-0.429

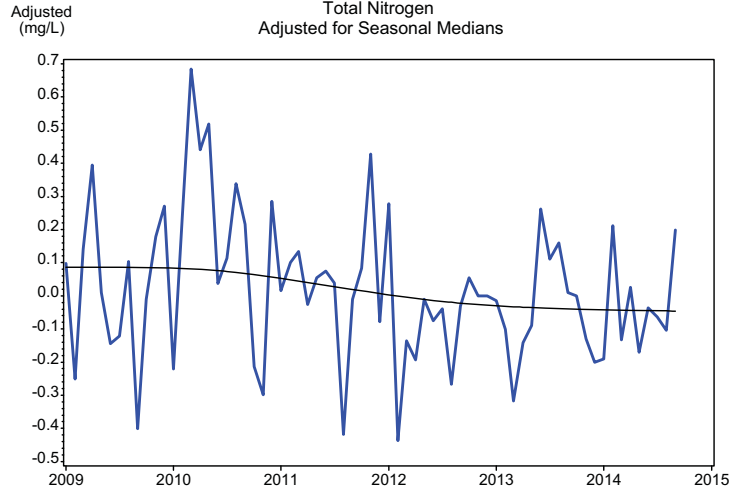
Cocohatchee River Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



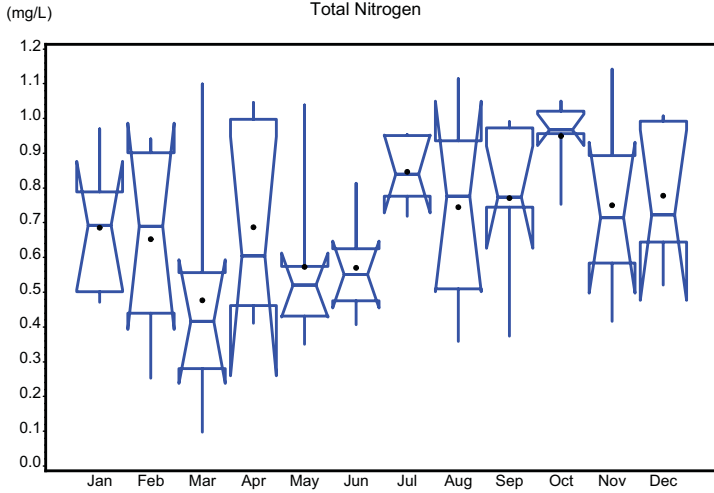
Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



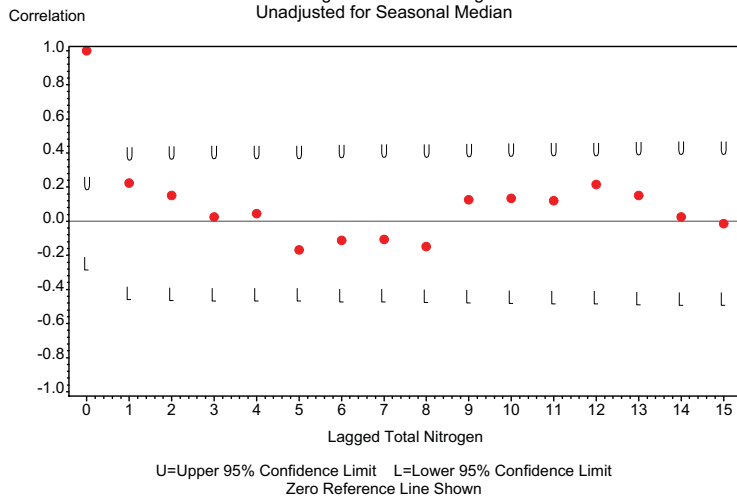
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.223	0.204	0.408	-0.408
2	0.151	0.207	0.415	-0.415
3	0.025	0.209	0.418	-0.418
4	0.044	0.209	0.418	-0.418
5	-0.168	0.209	0.418	-0.418
6	-0.113	0.211	0.422	-0.422
7	-0.107	0.212	0.424	-0.424
8	-0.148	0.213	0.425	-0.425
9	0.125	0.214	0.428	-0.428
10	0.135	0.215	0.430	-0.430
11	0.119	0.216	0.433	-0.433
12	0.215	0.217	0.434	-0.434
13	0.152	0.220	0.440	-0.440
14	0.024	0.222	0.443	-0.443
15	-0.015	0.222	0.443	-0.443

Cocohatchee River Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



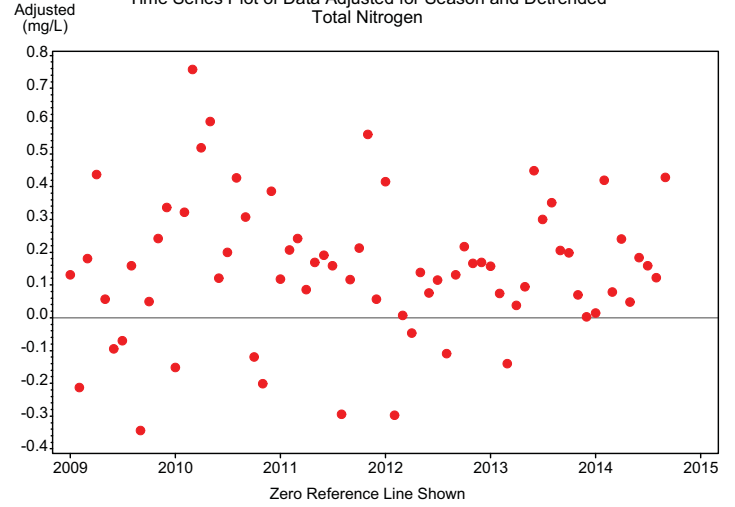
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.152	0.169	0.274	-0.034

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.15152	0.16937	0.27449	-0.034333

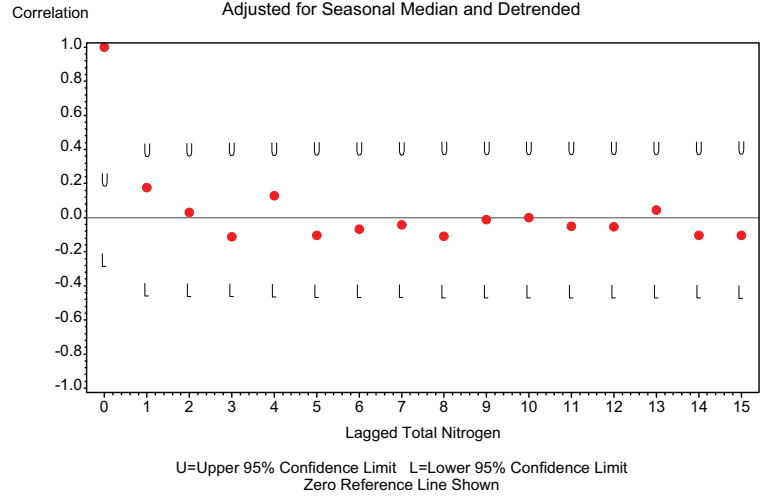
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



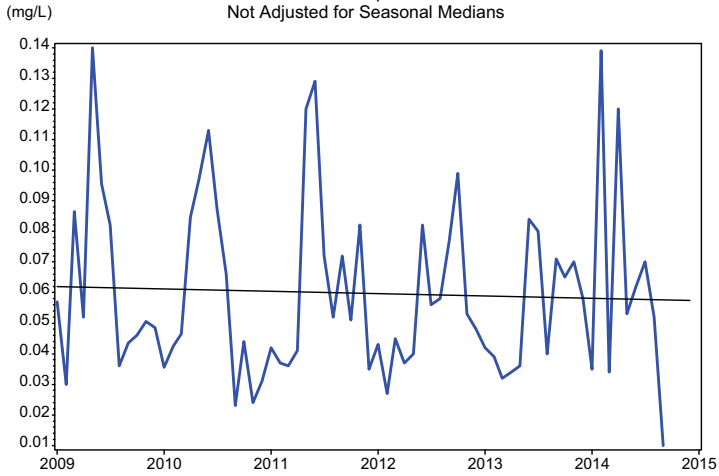
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.175	0.204	0.408	-0.408
2	0.031	0.206	0.412	-0.412
3	-0.113	0.206	0.413	-0.413
4	0.129	0.207	0.414	-0.414
5	-0.103	0.208	0.416	-0.416
6	-0.068	0.209	0.418	-0.418
7	-0.043	0.209	0.418	-0.418
8	-0.111	0.209	0.419	-0.419
9	-0.013	0.210	0.420	-0.420
10	-0.001	0.210	0.420	-0.420
11	-0.050	0.210	0.420	-0.420
12	-0.053	0.210	0.421	-0.421
13	0.045	0.211	0.421	-0.421
14	-0.104	0.211	0.421	-0.421
15	-0.104	0.211	0.423	-0.423

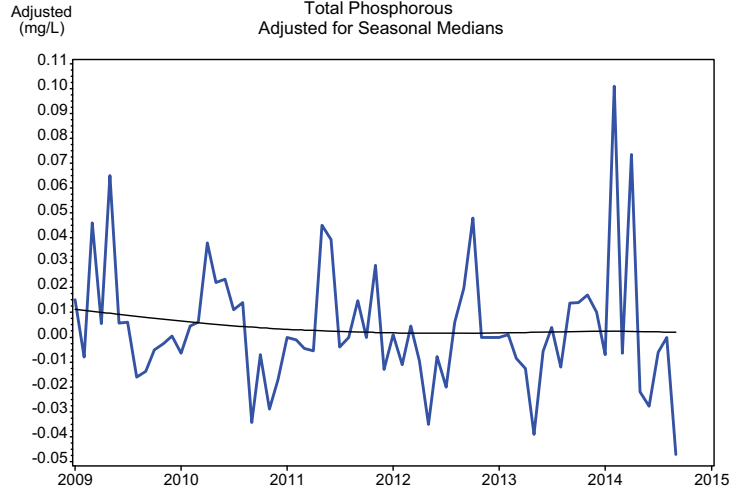
Cocohatchee River Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



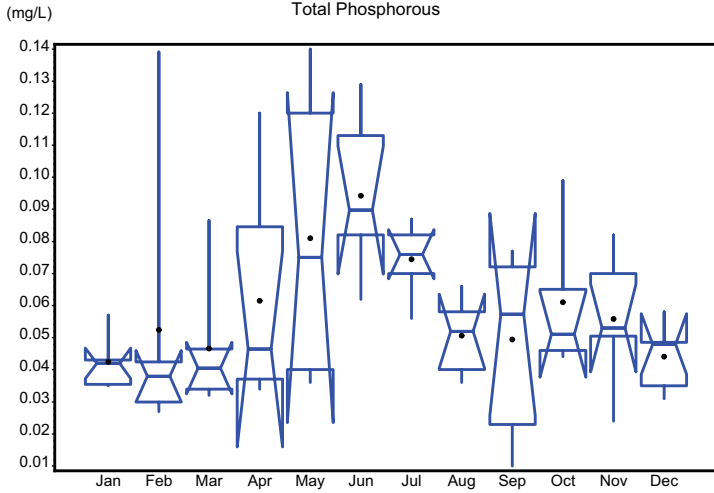
Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



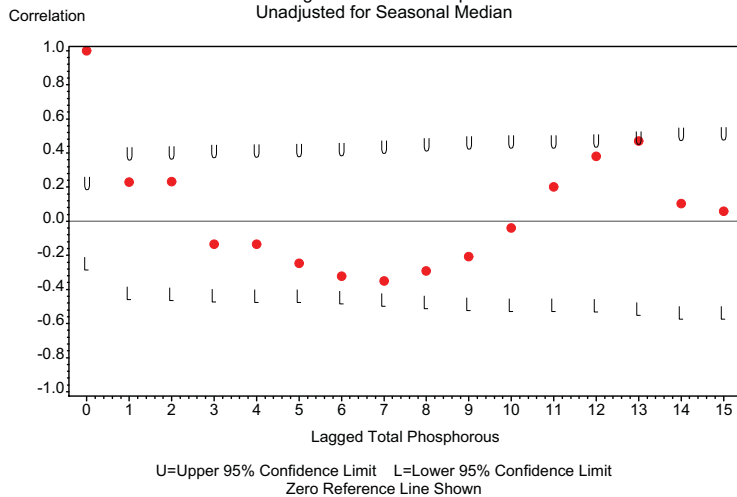
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.230	0.204	0.408	-0.408
2	0.231	0.208	0.415	-0.415
3	-0.134	0.211	0.422	-0.422
4	-0.135	0.212	0.425	-0.425
5	-0.248	0.214	0.427	-0.427
6	-0.323	0.218	0.435	-0.435
7	-0.350	0.224	0.448	-0.448
8	-0.292	0.232	0.463	-0.463
9	-0.208	0.237	0.473	-0.473
10	-0.041	0.239	0.478	-0.478
11	0.201	0.239	0.478	-0.478
12	0.381	0.242	0.483	-0.483
13	0.471	0.250	0.500	-0.500
14	0.104	0.262	0.524	-0.524
15	0.058	0.262	0.525	-0.525

Cocohatchee River Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



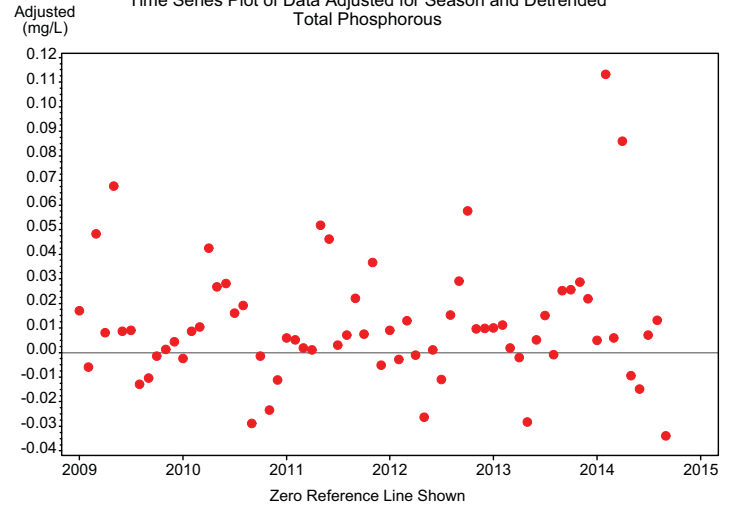
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.152	0.168	0.063	-0.002

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.14546	0.18567	0.063252	-.002

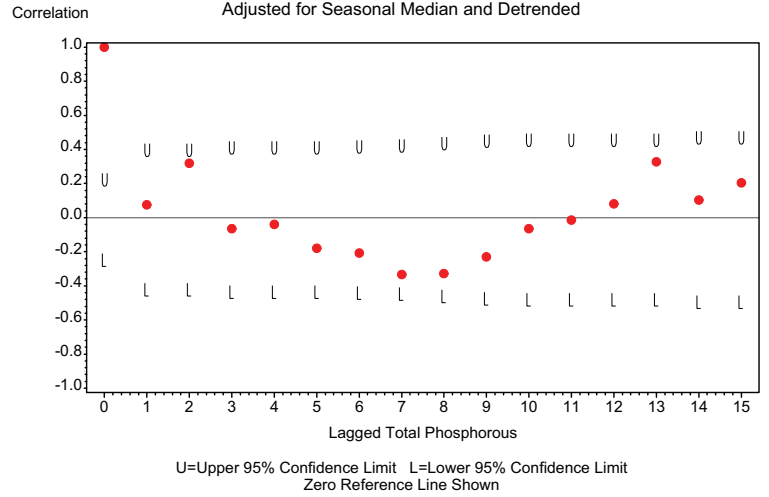
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



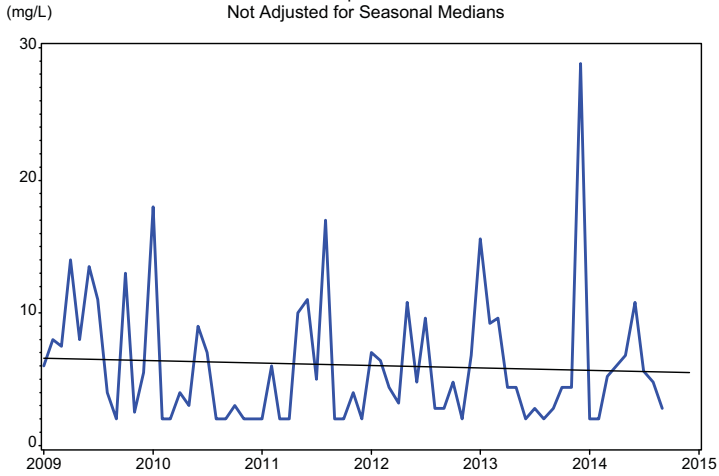
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.076	0.204	0.408	-0.408
2	0.318	0.205	0.409	-0.409
3	-0.064	0.211	0.423	-0.423
4	-0.039	0.212	0.423	-0.423
5	-0.181	0.212	0.423	-0.423
6	-0.207	0.214	0.428	-0.428
7	-0.335	0.217	0.433	-0.433
8	-0.329	0.224	0.447	-0.447
9	-0.231	0.230	0.461	-0.461
10	-0.065	0.233	0.467	-0.467
11	-0.015	0.234	0.467	-0.467
12	0.082	0.234	0.467	-0.467
13	0.327	0.234	0.468	-0.468
14	0.104	0.240	0.481	-0.481
15	0.204	0.241	0.482	-0.482

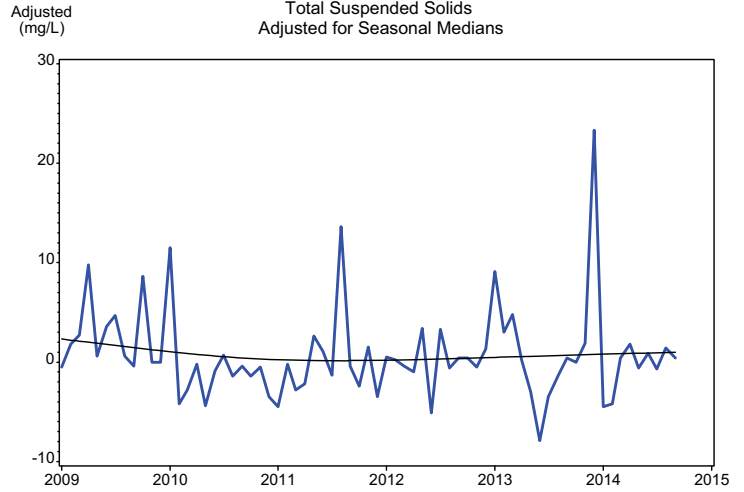
Cocohatchee River Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



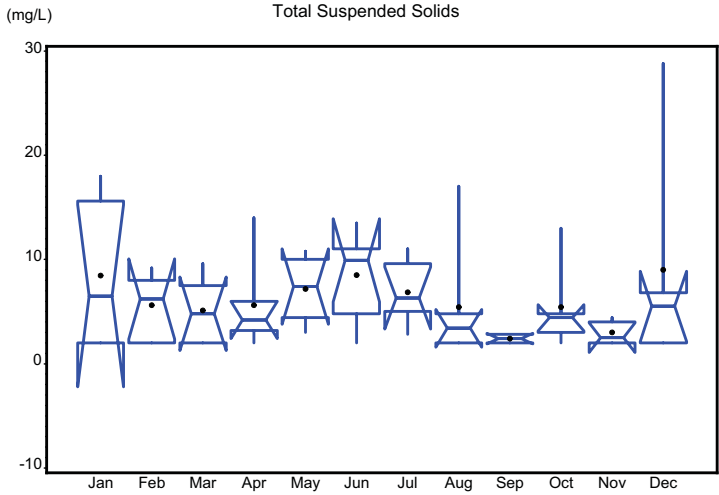
Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



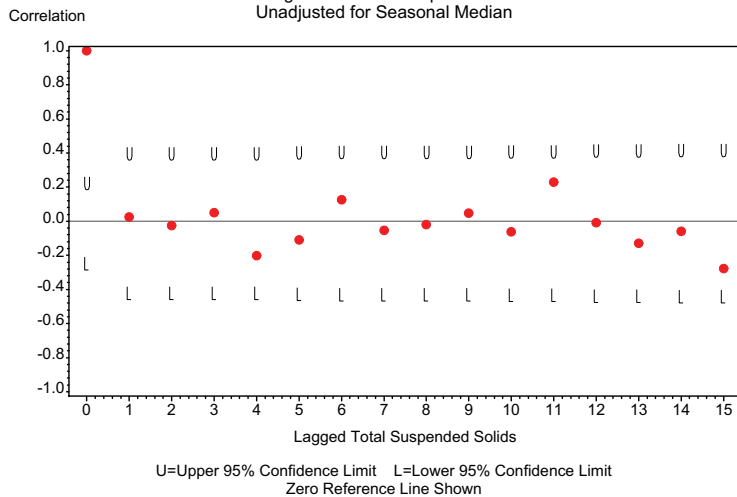
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.024	0.204	0.408	-0.408
2	-0.027	0.204	0.408	-0.408
3	0.051	0.204	0.408	-0.408
4	-0.202	0.204	0.409	-0.409
5	-0.109	0.207	0.414	-0.414
6	0.125	0.208	0.416	-0.416
7	-0.055	0.209	0.418	-0.418
8	-0.021	0.209	0.418	-0.418
9	0.048	0.209	0.418	-0.418
10	-0.061	0.209	0.419	-0.419
11	0.230	0.210	0.419	-0.419
12	-0.008	0.213	0.426	-0.426
13	-0.128	0.213	0.426	-0.426
14	-0.059	0.214	0.428	-0.428
15	-0.279	0.214	0.429	-0.429

Cocohatchee River Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



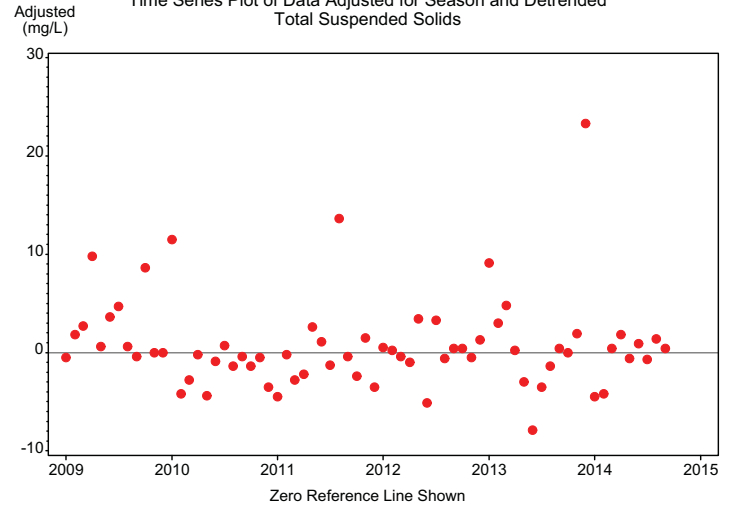
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.03	0.815	0.865	0

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.030303	0.81482	0.86550	0

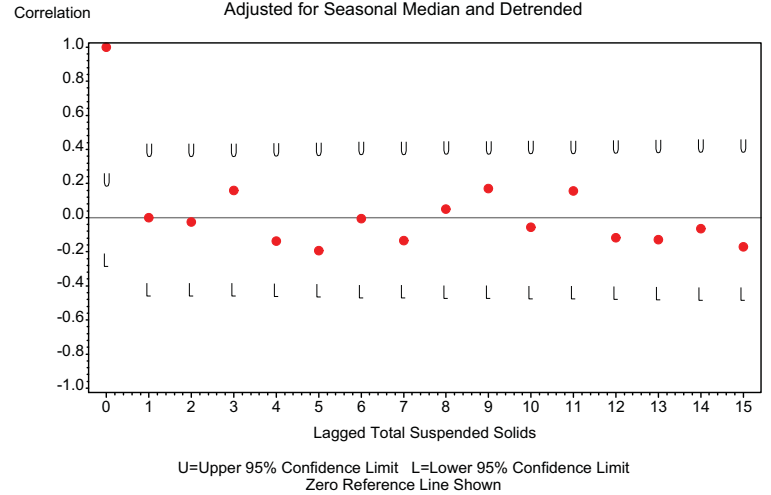
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



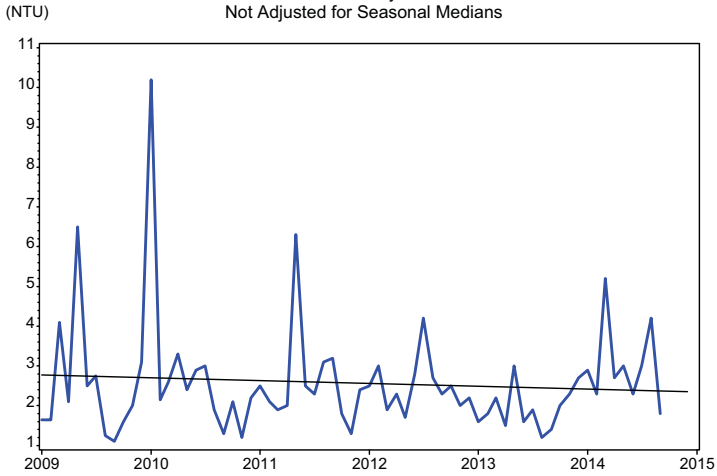
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.000	0.204	0.408	-0.408
2	-0.026	0.204	0.408	-0.408
3	0.158	0.204	0.408	-0.408
4	-0.139	0.206	0.412	-0.412
5	-0.193	0.207	0.414	-0.414
6	-0.005	0.210	0.419	-0.419
7	-0.135	0.210	0.419	-0.419
8	0.050	0.211	0.422	-0.422
9	0.169	0.211	0.422	-0.422
10	-0.057	0.213	0.426	-0.426
11	0.157	0.213	0.426	-0.426
12	-0.117	0.215	0.429	-0.429
13	-0.130	0.216	0.431	-0.431
14	-0.065	0.217	0.433	-0.433
15	-0.172	0.217	0.434	-0.434

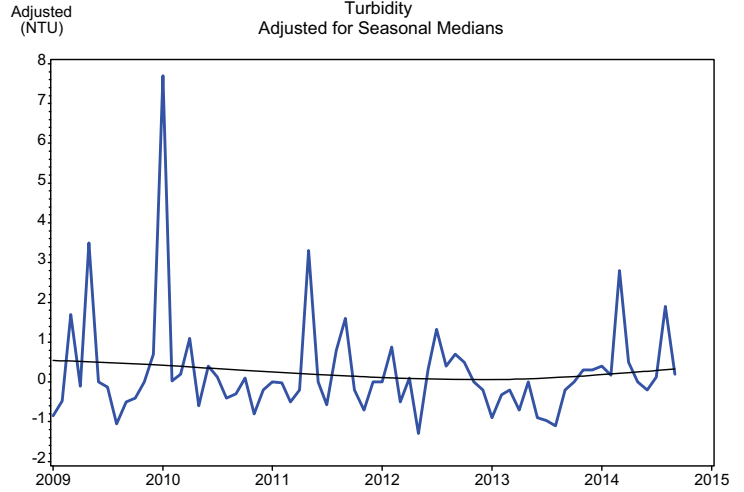
Cocohatchee River Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



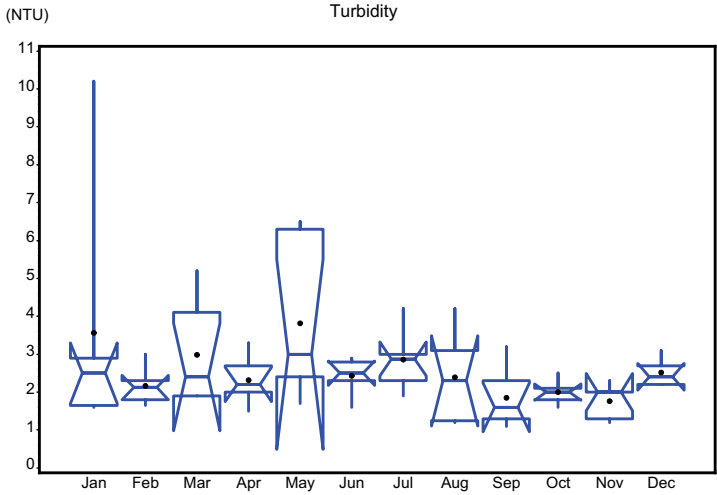
Cocohatchee River Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



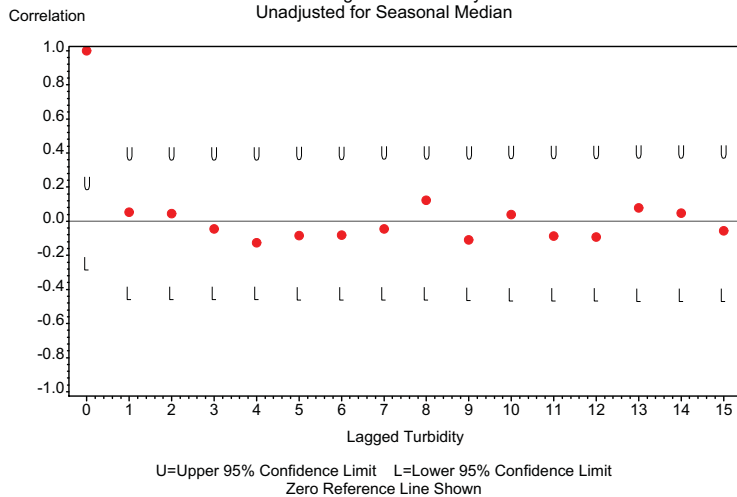
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Turbidity



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.053	0.204	0.408	-0.408
2	0.045	0.204	0.409	-0.409
3	-0.046	0.204	0.409	-0.409
4	-0.126	0.205	0.409	-0.409
5	-0.084	0.206	0.411	-0.411
6	-0.082	0.206	0.412	-0.412
7	-0.045	0.207	0.413	-0.413
8	0.123	0.207	0.413	-0.413
9	-0.111	0.208	0.415	-0.415
10	0.039	0.209	0.417	-0.417
11	-0.086	0.209	0.417	-0.417
12	-0.092	0.209	0.418	-0.418
13	0.079	0.210	0.419	-0.419
14	0.046	0.210	0.420	-0.420
15	-0.057	0.210	0.421	-0.421

Cocohatchee River Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



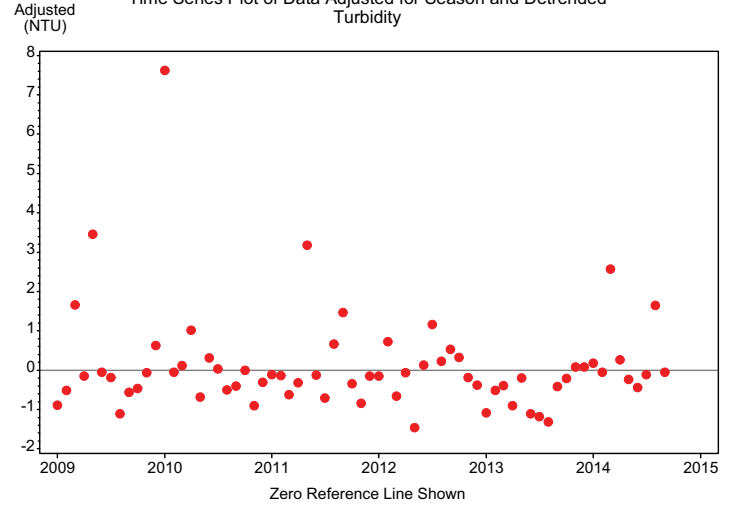
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.073	0.524	0.613	0.038

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.072727	0.52399	0.61339	0.0375

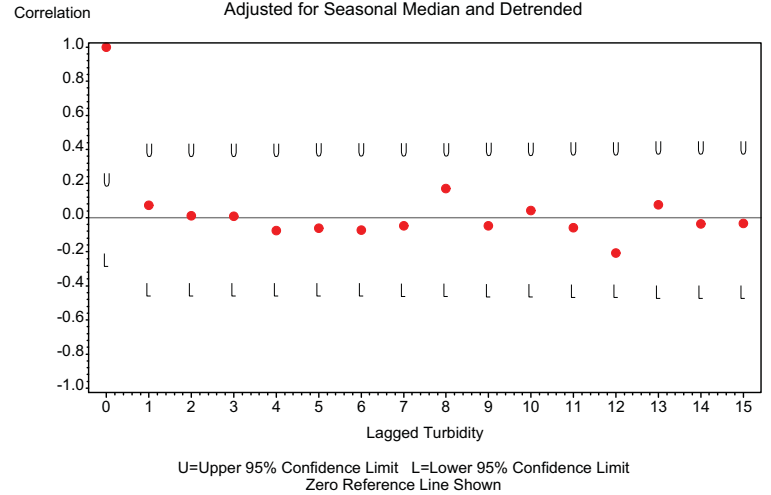
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



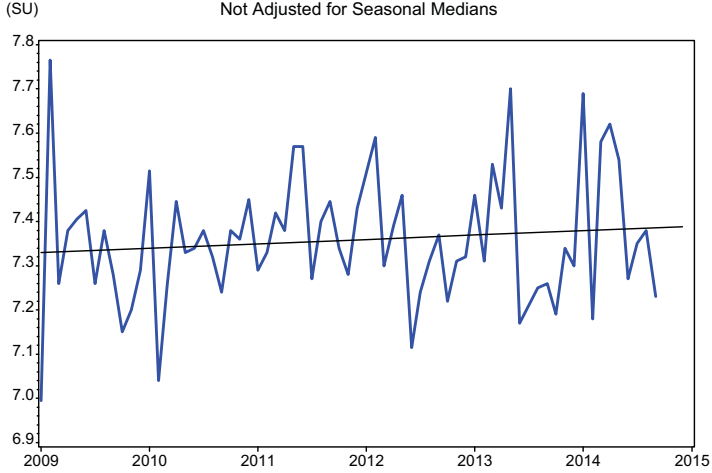
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.073	0.204	0.408	-0.408
2	0.012	0.204	0.409	-0.409
3	0.007	0.204	0.409	-0.409
4	-0.076	0.204	0.409	-0.409
5	-0.062	0.205	0.410	-0.410
6	-0.072	0.205	0.410	-0.410
7	-0.047	0.205	0.411	-0.411
8	0.169	0.206	0.411	-0.411
9	-0.047	0.208	0.415	-0.415
10	0.042	0.208	0.415	-0.415
11	-0.059	0.208	0.416	-0.416
12	-0.208	0.208	0.416	-0.416
13	0.074	0.211	0.422	-0.422
14	-0.036	0.211	0.423	-0.423
15	-0.035	0.211	0.423	-0.423

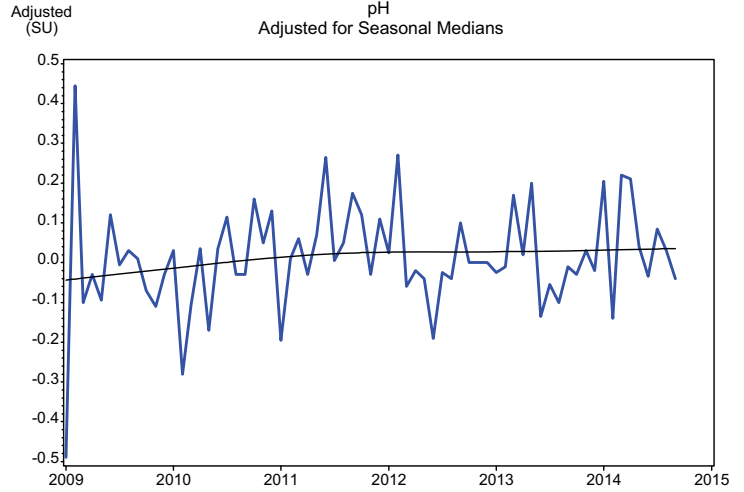
Cocohatchee River Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



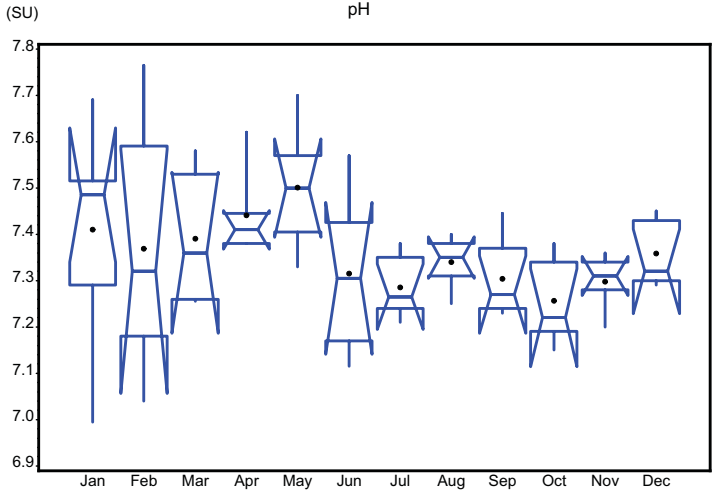
Cocohatchee River Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



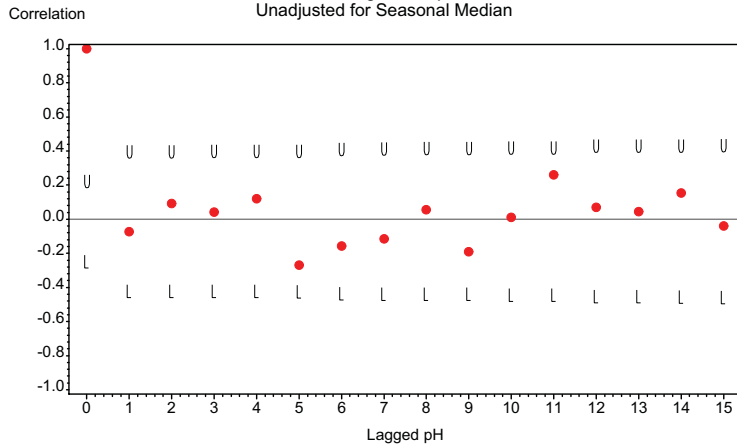
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
pH



Cocohatchee River Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.074	0.204	0.408	-0.408
2	0.091	0.204	0.409	-0.409
3	0.041	0.205	0.410	-0.410
4	0.120	0.205	0.410	-0.410
5	-0.270	0.206	0.412	-0.412
6	-0.156	0.211	0.422	-0.422
7	-0.114	0.213	0.425	-0.425
8	0.056	0.213	0.427	-0.427
9	-0.190	0.214	0.427	-0.427
10	0.011	0.216	0.432	-0.432
11	0.261	0.216	0.432	-0.432
12	0.069	0.220	0.441	-0.441
13	0.045	0.221	0.441	-0.441
14	0.154	0.221	0.442	-0.442
15	-0.040	0.222	0.444	-0.444

Cocohatchee River Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

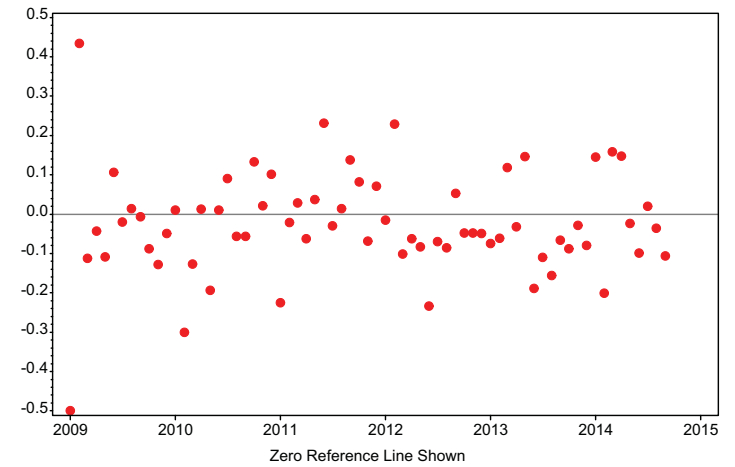
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.067	0.566	0.593	0.01

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.066667	0.56564	0.59280	0.01

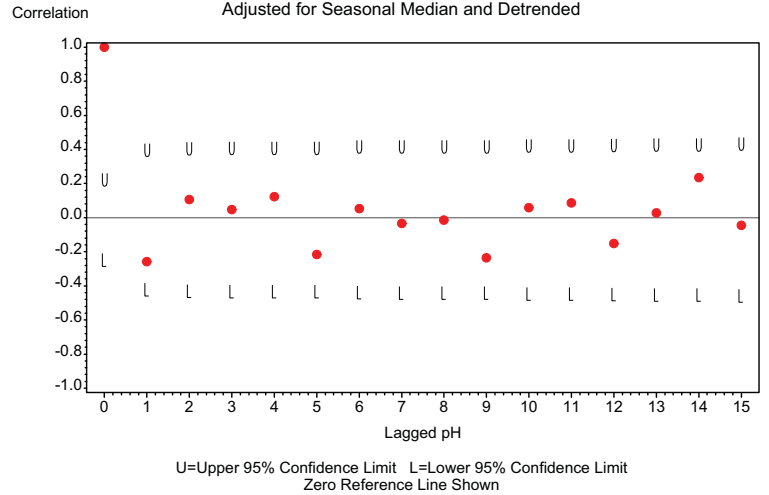
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



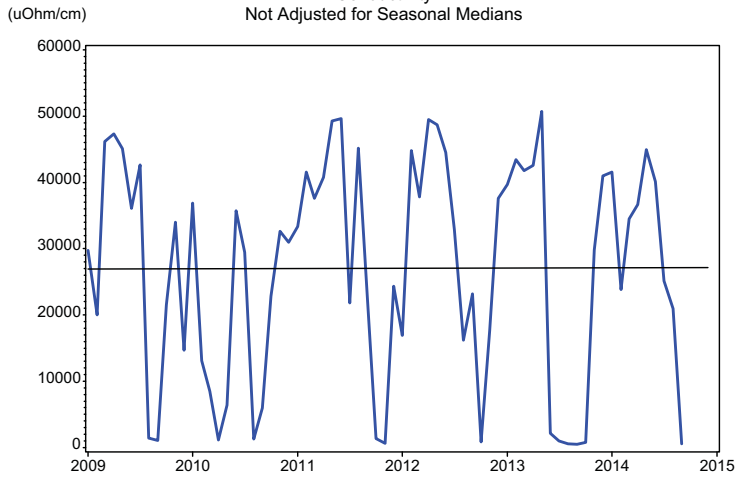
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.257	0.204	0.408	-0.408
2	0.107	0.209	0.417	-0.417
3	0.048	0.209	0.419	-0.419
4	0.124	0.209	0.419	-0.419
5	-0.216	0.211	0.421	-0.421
6	0.054	0.214	0.427	-0.427
7	-0.033	0.214	0.428	-0.428
8	-0.014	0.214	0.428	-0.428
9	-0.236	0.214	0.428	-0.428
10	0.059	0.217	0.435	-0.435
11	0.087	0.218	0.435	-0.435
12	-0.152	0.218	0.436	-0.436
13	0.028	0.220	0.439	-0.439
14	0.236	0.220	0.439	-0.439
15	-0.045	0.223	0.446	-0.446

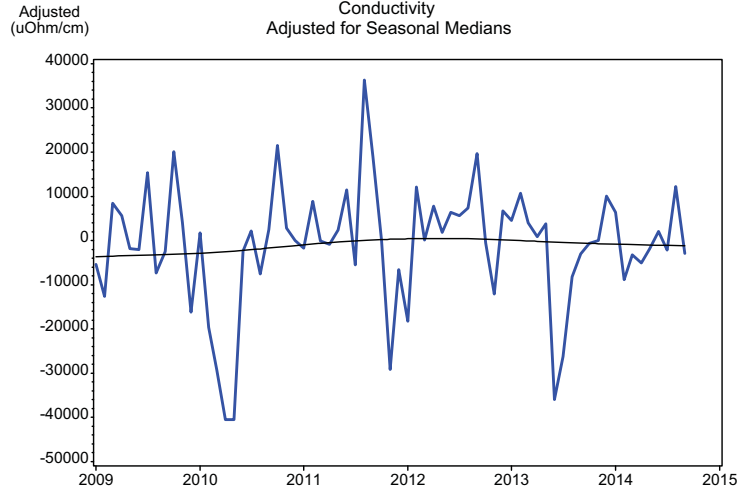
Cocohatchee River Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



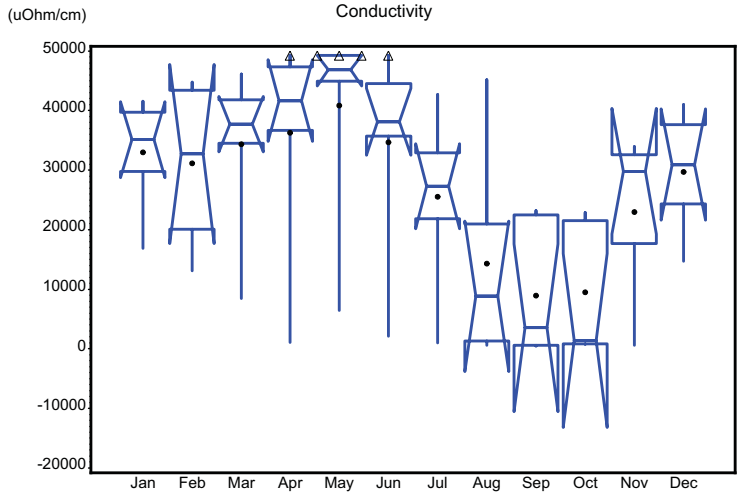
Cocohatchee River Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



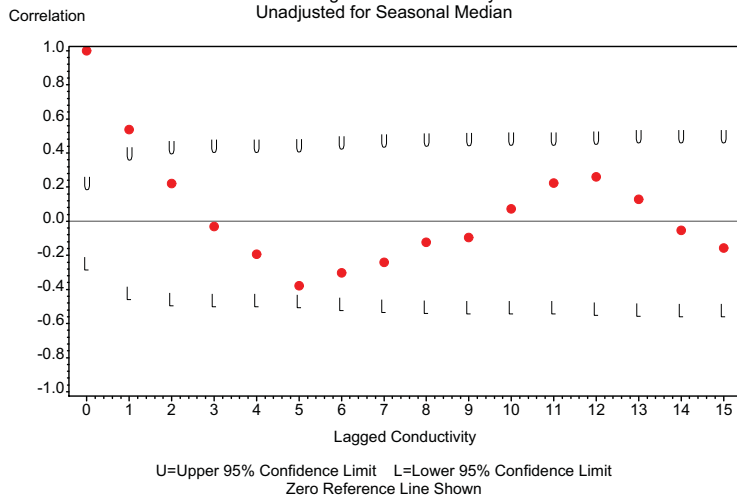
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Conductivity



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.538	0.204	0.408	-0.408
2	0.222	0.223	0.446	-0.446
3	-0.030	0.226	0.452	-0.452
4	-0.195	0.226	0.452	-0.452
5	-0.378	0.228	0.457	-0.457
6	-0.304	0.237	0.474	-0.474
7	-0.240	0.242	0.484	-0.484
8	-0.123	0.246	0.491	-0.491
9	-0.097	0.246	0.493	-0.493
10	0.073	0.247	0.494	-0.494
11	0.224	0.247	0.494	-0.494
12	0.261	0.250	0.500	-0.500
13	0.127	0.254	0.508	-0.508
14	-0.053	0.255	0.509	-0.509
15	-0.156	0.255	0.510	-0.510

Cocohatchee River Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



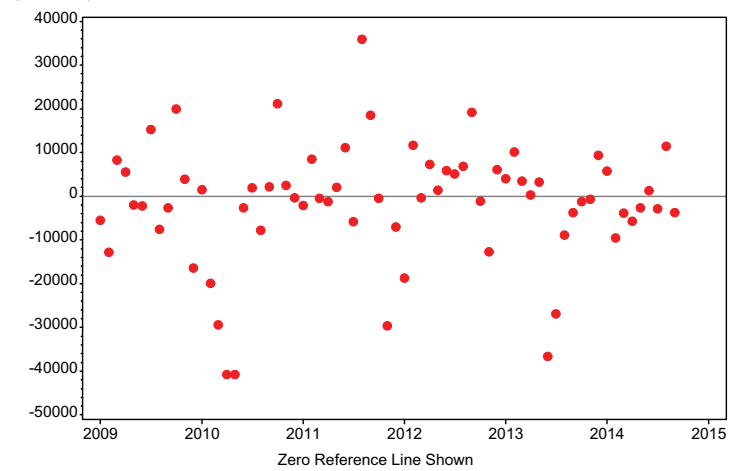
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.006	1	1	110

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.00606061	1	1	110

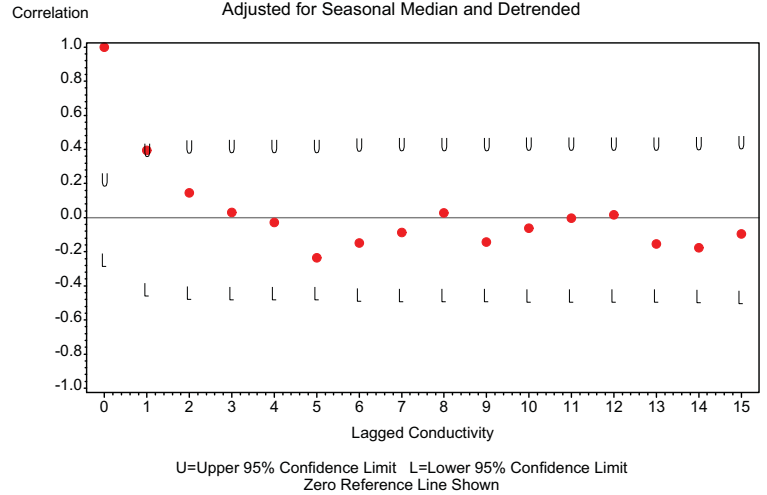
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



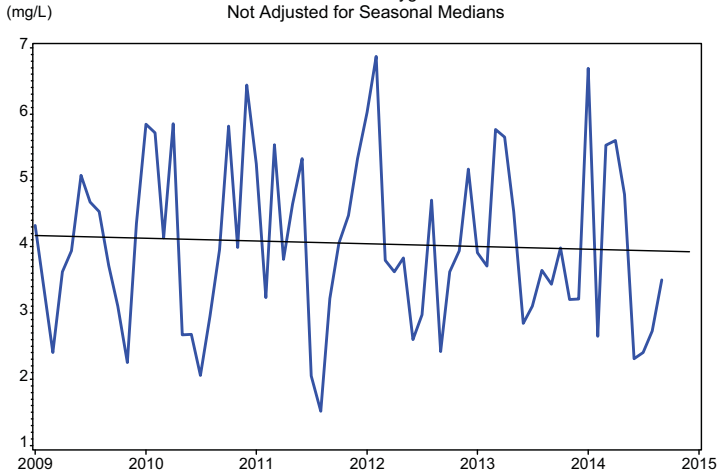
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.395	0.204	0.408	-0.408
2	0.146	0.214	0.429	-0.429
3	0.031	0.216	0.432	-0.432
4	-0.028	0.216	0.432	-0.432
5	-0.237	0.216	0.432	-0.432
6	-0.148	0.220	0.439	-0.439
7	-0.087	0.221	0.442	-0.442
8	0.028	0.221	0.443	-0.443
9	-0.142	0.221	0.443	-0.443
10	-0.062	0.223	0.445	-0.445
11	-0.004	0.223	0.446	-0.446
12	0.017	0.223	0.446	-0.446
13	-0.155	0.223	0.446	-0.446
14	-0.178	0.224	0.449	-0.449
15	-0.096	0.226	0.453	-0.453

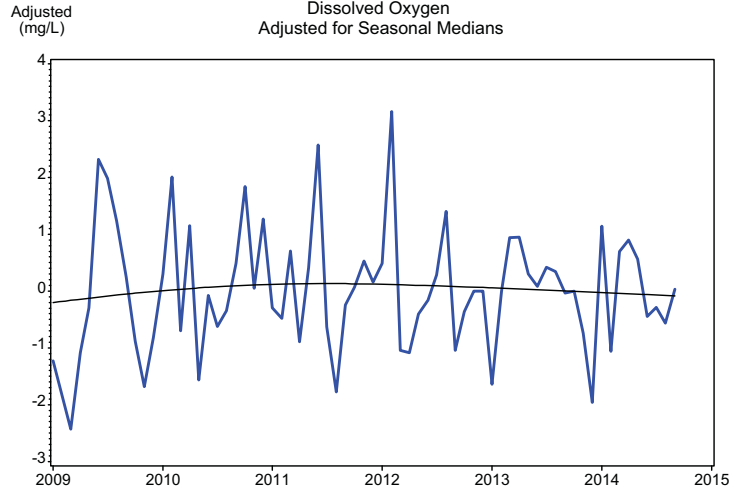
Cocohatchee River Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



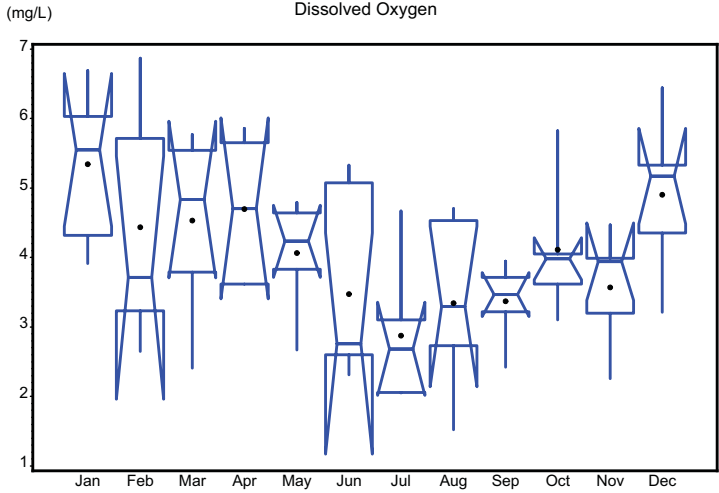
Cocohatchee River Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Adjusted for Seasonal Medians



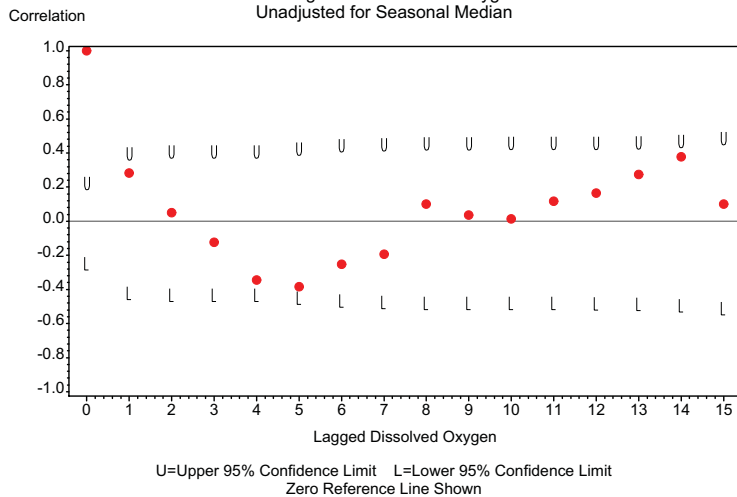
Cocohatchee River Trends Appendix
 Seasonal Univariate Statistics
 Dissolved Oxygen



Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.283	0.204	0.408	-0.408
2	0.050	0.209	0.419	-0.419
3	-0.123	0.210	0.419	-0.419
4	-0.344	0.211	0.421	-0.421
5	-0.385	0.218	0.437	-0.437
6	-0.252	0.228	0.455	-0.455
7	-0.194	0.231	0.463	-0.463
8	0.100	0.234	0.467	-0.467
9	0.036	0.234	0.468	-0.468
10	0.014	0.234	0.469	-0.469
11	0.116	0.234	0.469	-0.469
12	0.165	0.235	0.470	-0.470
13	0.275	0.237	0.473	-0.473
14	0.378	0.241	0.482	-0.482
15	0.099	0.249	0.498	-0.498

Cocohatchee River Trends Appendix
 Correlogram for Dissolved Oxygen
 Unadjusted for Seasonal Median



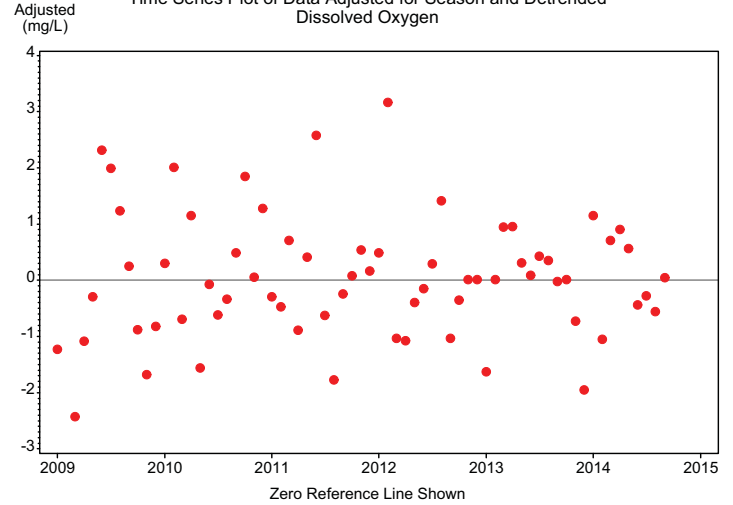
Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.006	1	1	-0.002

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.00625	1	1	-0.0166667

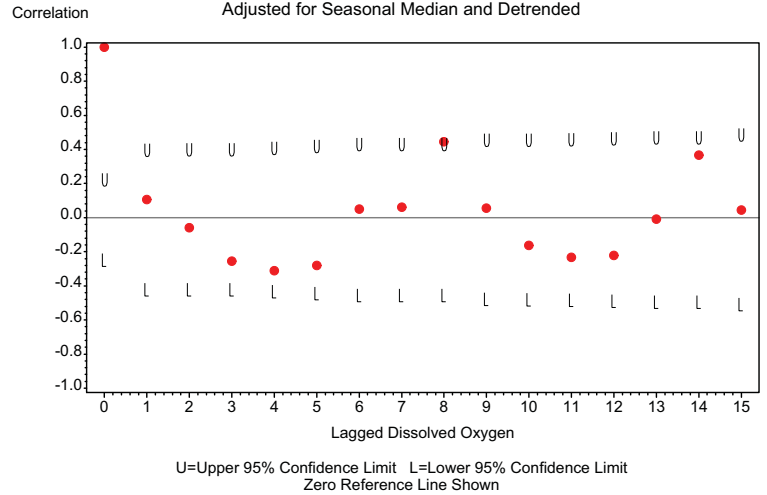
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



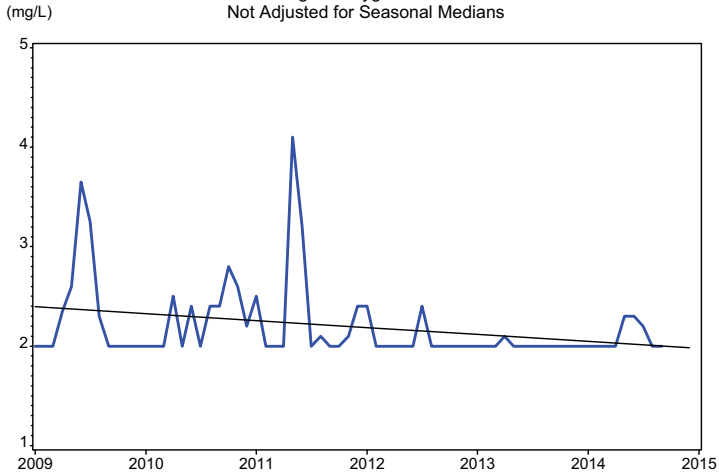
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.107	0.204	0.408	-0.408
2	-0.058	0.205	0.410	-0.410
3	-0.254	0.205	0.410	-0.410
4	-0.310	0.209	0.419	-0.419
5	-0.281	0.216	0.432	-0.432
6	0.050	0.221	0.442	-0.442
7	0.060	0.221	0.442	-0.442
8	0.444	0.221	0.442	-0.442
9	0.055	0.233	0.466	-0.466
10	-0.162	0.233	0.467	-0.467
11	-0.232	0.235	0.470	-0.470
12	-0.223	0.238	0.476	-0.476
13	-0.008	0.241	0.482	-0.482
14	0.367	0.241	0.482	-0.482
15	0.045	0.249	0.497	-0.497

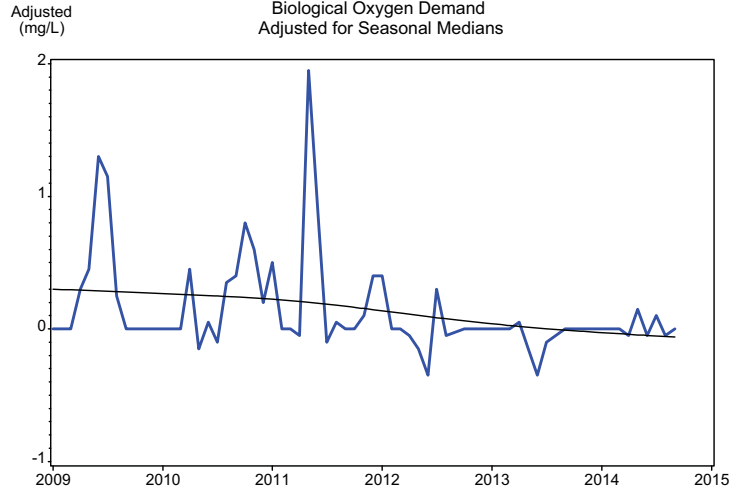
Cocohatchee River Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



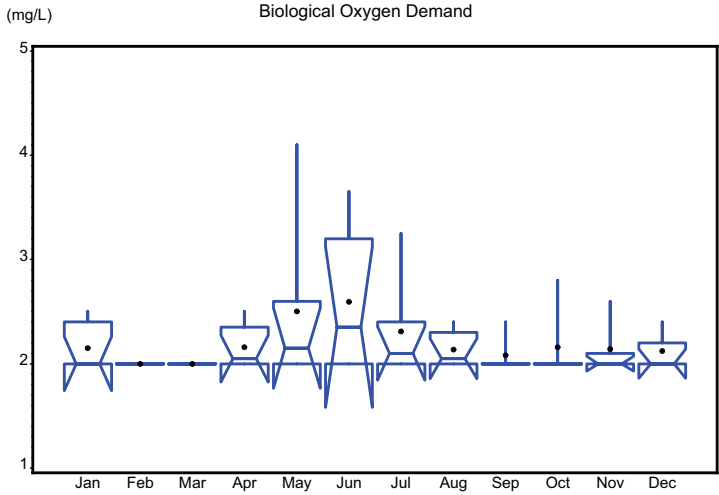
Cocohatchee River Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



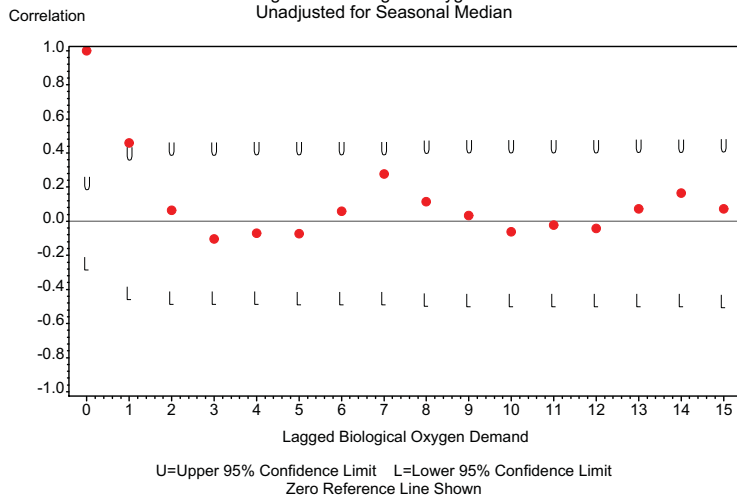
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.460	0.204	0.408	-0.408
2	0.064	0.218	0.436	-0.436
3	-0.105	0.218	0.437	-0.437
4	-0.070	0.219	0.438	-0.438
5	-0.073	0.219	0.439	-0.439
6	0.058	0.220	0.439	-0.439
7	0.276	0.220	0.440	-0.440
8	0.114	0.225	0.449	-0.449
9	0.034	0.225	0.451	-0.451
10	-0.062	0.225	0.451	-0.451
11	-0.023	0.226	0.451	-0.451
12	-0.043	0.226	0.451	-0.451
13	0.073	0.226	0.452	-0.452
14	0.165	0.226	0.452	-0.452
15	0.072	0.228	0.456	-0.456

Cocohatchee River Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



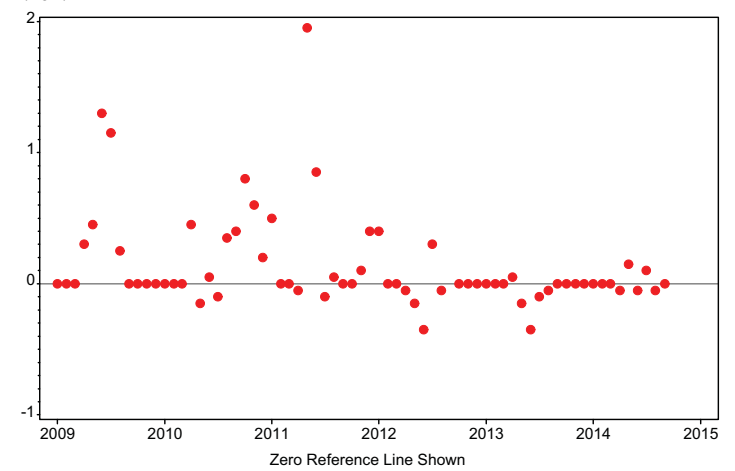
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.231	.009	0.092	0

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23125	.00859113	0.092180	0

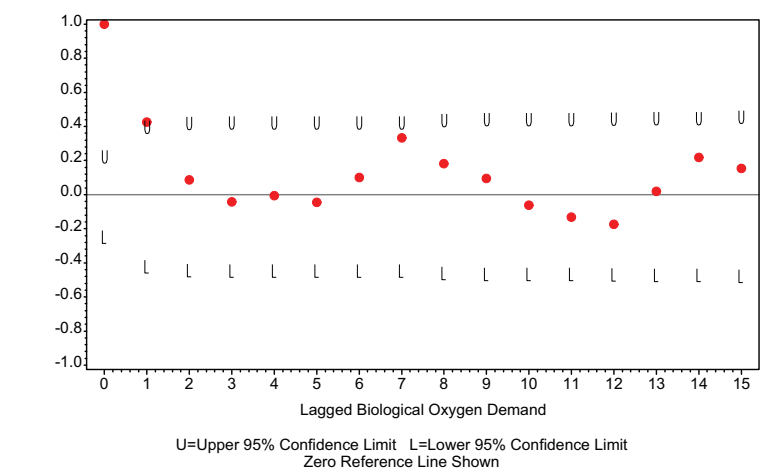
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



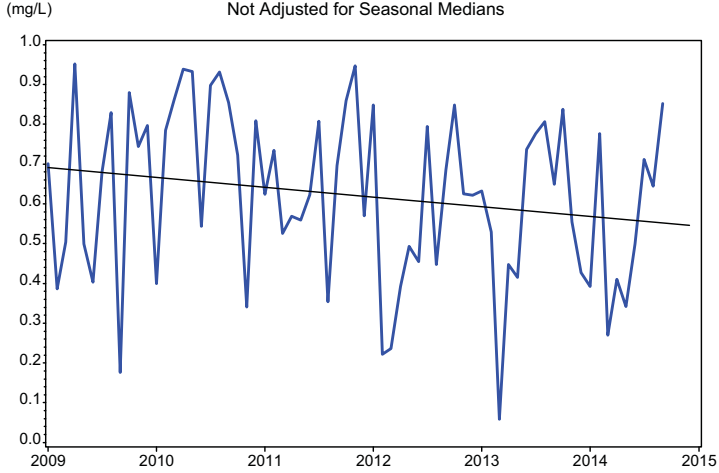
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.424	0.204	0.408	-0.408
2	0.086	0.216	0.432	-0.432
3	-0.042	0.217	0.433	-0.433
4	-0.005	0.217	0.433	-0.433
5	-0.044	0.217	0.433	-0.433
6	0.100	0.217	0.433	-0.433
7	0.333	0.217	0.435	-0.435
8	0.181	0.224	0.449	-0.449
9	0.096	0.226	0.453	-0.453
10	-0.062	0.227	0.454	-0.454
11	-0.131	0.227	0.454	-0.454
12	-0.173	0.228	0.456	-0.456
13	0.018	0.230	0.460	-0.460
14	0.219	0.230	0.460	-0.460
15	0.153	0.233	0.466	-0.466

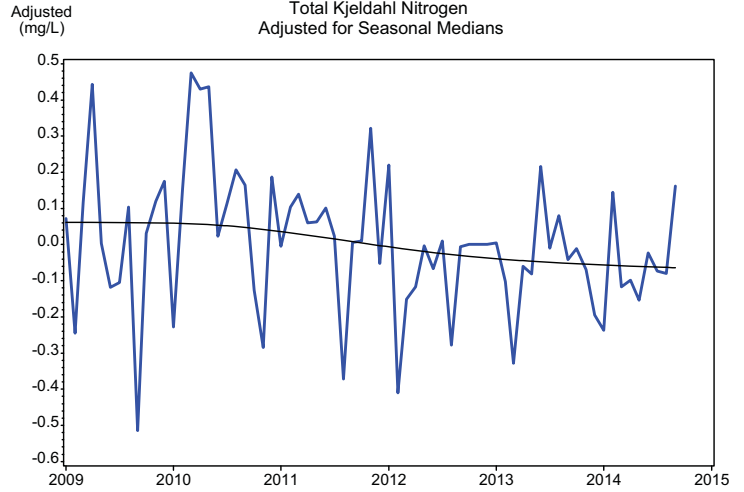
Cocohatchee River Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



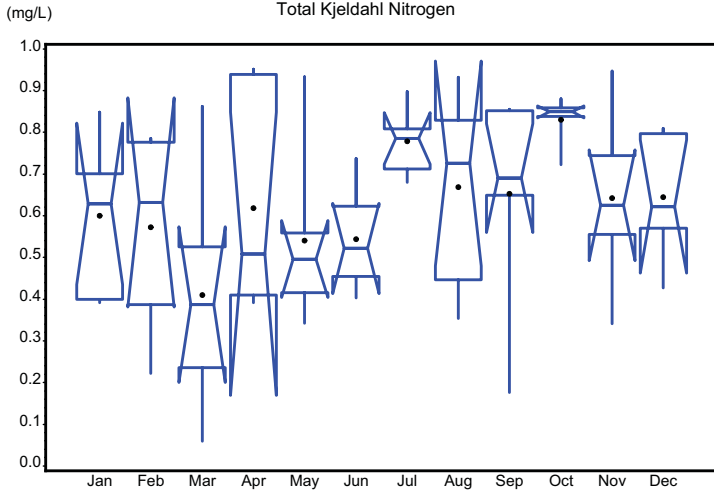
Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



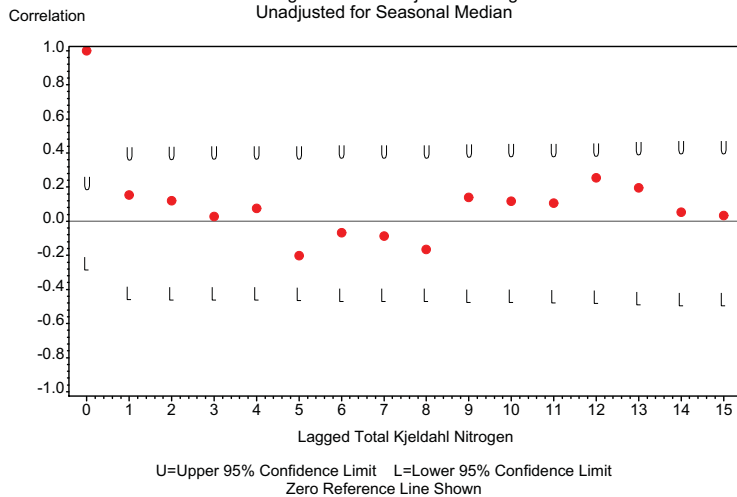
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.153	0.204	0.408	-0.408
2	0.119	0.206	0.411	-0.411
3	0.028	0.207	0.413	-0.413
4	-0.074	0.207	0.413	-0.413
5	-0.201	0.207	0.414	-0.414
6	-0.068	0.210	0.420	-0.420
7	-0.088	0.210	0.420	-0.420
8	-0.165	0.211	0.421	-0.421
9	0.139	0.212	0.425	-0.425
10	0.117	0.214	0.427	-0.427
11	0.106	0.215	0.429	-0.429
12	0.254	0.215	0.431	-0.431
13	0.195	0.219	0.439	-0.439
14	0.052	0.222	0.444	-0.444
15	0.032	0.222	0.444	-0.444

Cocohatchee River Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



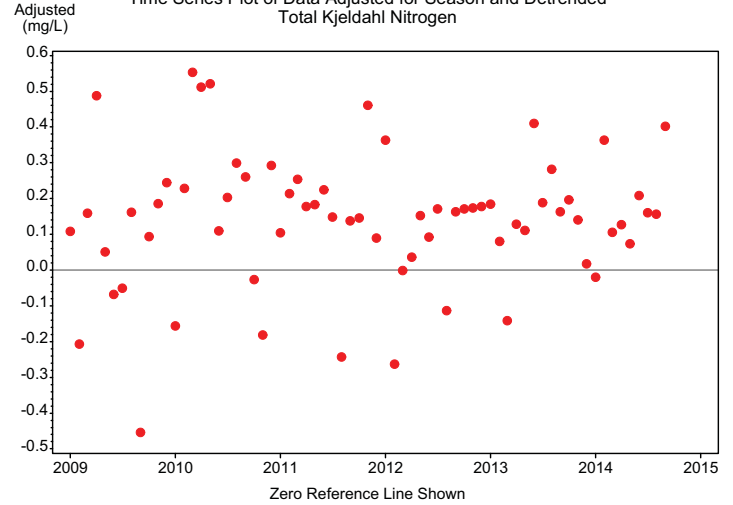
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.273	0.012	0.076	-0.036

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.27273	0.011754	0.075863	-0.036

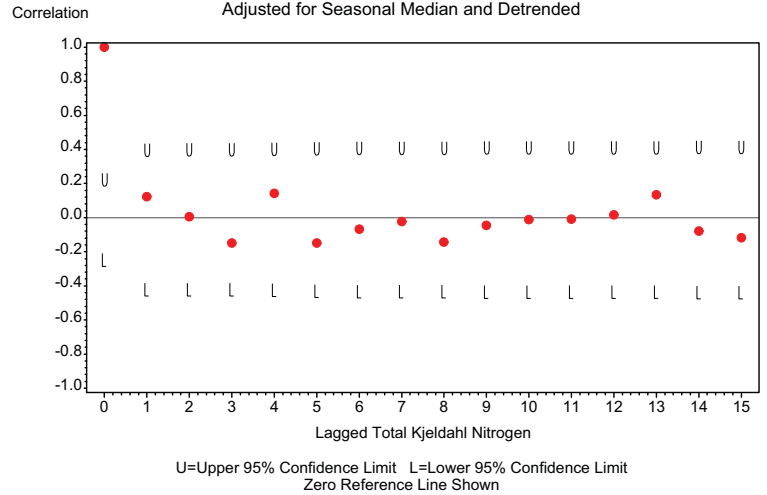
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



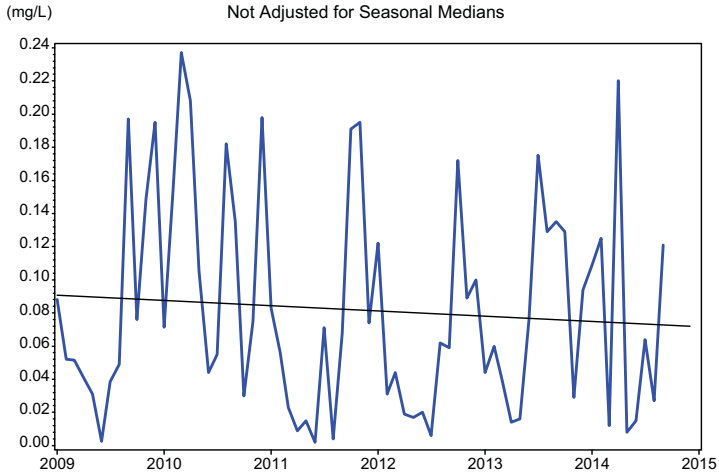
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.123	0.204	0.408	-0.408
2	0.004	0.205	0.410	-0.410
3	-0.149	0.205	0.410	-0.410
4	0.142	0.207	0.413	-0.413
5	-0.149	0.208	0.416	-0.416
6	-0.067	0.209	0.419	-0.419
7	-0.024	0.210	0.420	-0.420
8	-0.142	0.210	0.420	-0.420
9	-0.044	0.211	0.422	-0.422
10	-0.011	0.211	0.423	-0.423
11	-0.008	0.211	0.423	-0.423
12	0.015	0.211	0.423	-0.423
13	0.133	0.211	0.423	-0.423
14	-0.080	0.212	0.425	-0.425
15	-0.117	0.213	0.426	-0.426

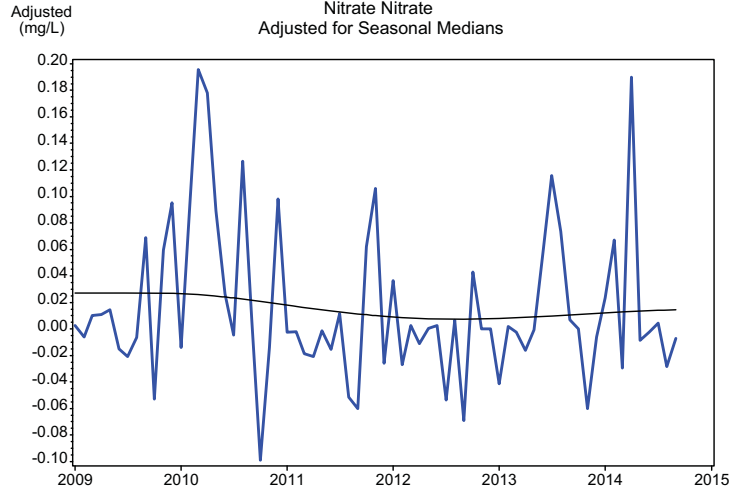
Cocohatchee River Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



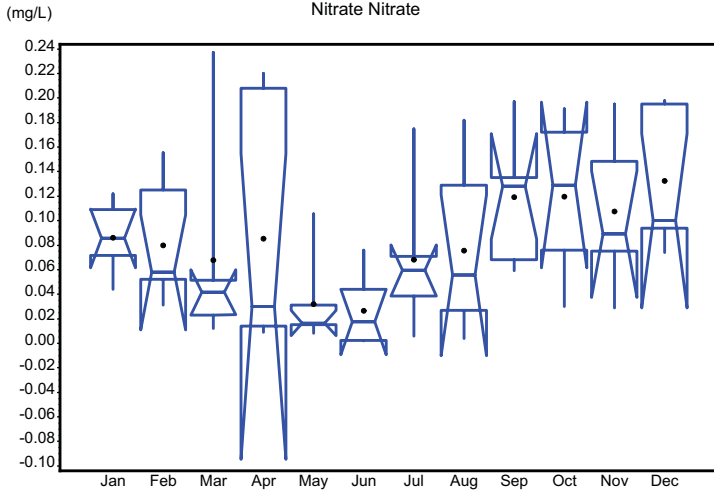
Cocohatchee River Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



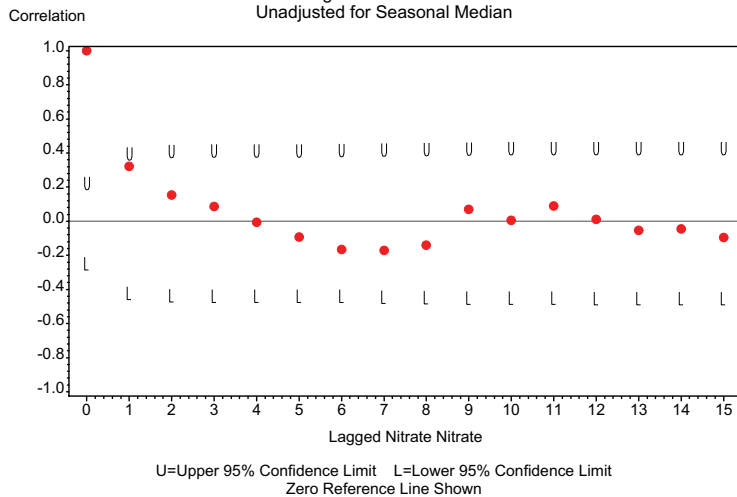
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.321	0.204	0.408	-0.408
2	0.153	0.211	0.422	-0.422
3	0.087	0.213	0.425	-0.425
4	-0.006	0.213	0.426	-0.426
5	-0.094	0.213	0.426	-0.426
6	-0.167	0.214	0.427	-0.427
7	-0.172	0.215	0.431	-0.431
8	-0.141	0.217	0.435	-0.435
9	0.069	0.219	0.437	-0.437
10	0.005	0.219	0.438	-0.438
11	0.090	0.219	0.438	-0.438
12	0.011	0.219	0.439	-0.439
13	-0.054	0.219	0.439	-0.439
14	-0.046	0.220	0.439	-0.439
15	-0.097	0.220	0.439	-0.439

Cocohatchee River Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median

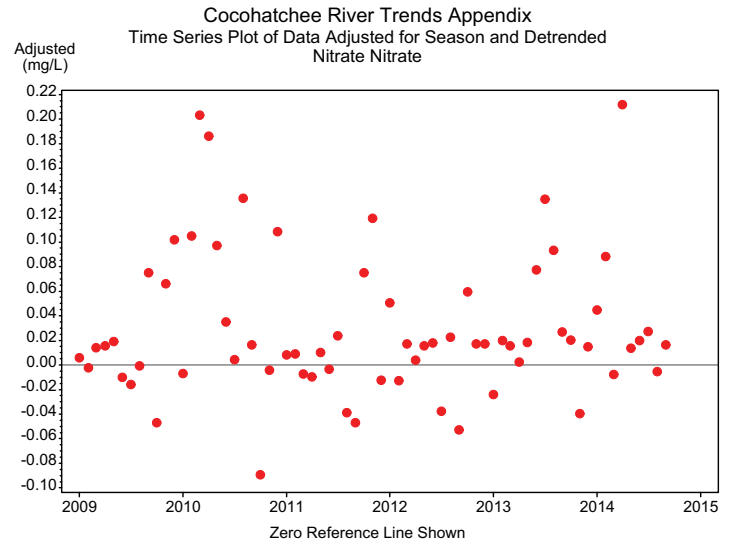


Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.109	0.33	0.376	-0.004

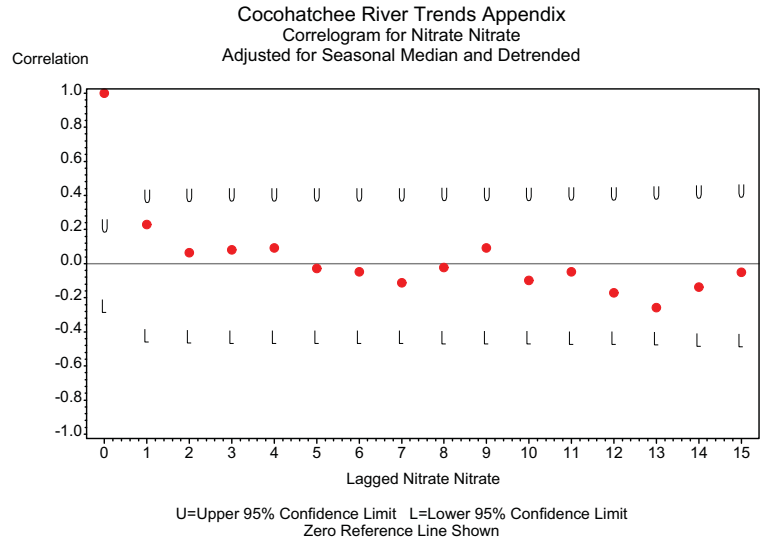
Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10909	0.32955	0.37595	-.0035

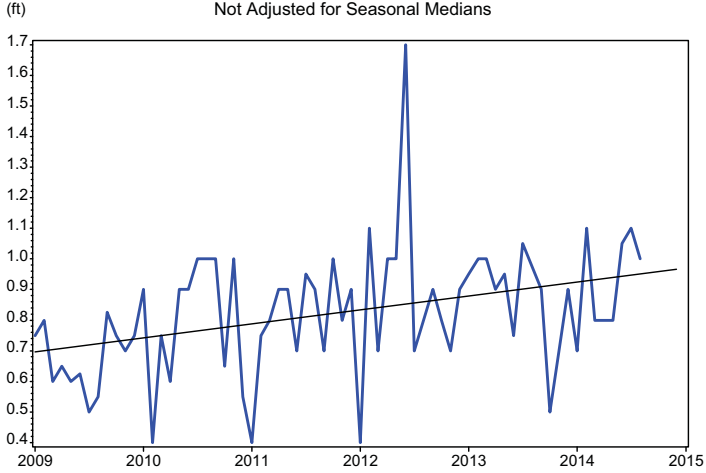


Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

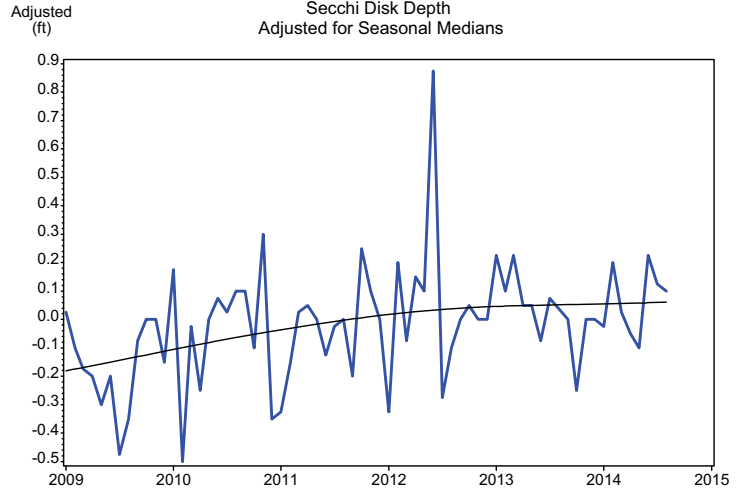
Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.228	0.204	0.408	-0.408
2	0.063	0.208	0.415	-0.415
3	0.081	0.208	0.416	-0.416
4	0.092	0.208	0.417	-0.417
5	-0.029	0.209	0.418	-0.418
6	-0.049	0.209	0.418	-0.418
7	-0.113	0.209	0.418	-0.418
8	-0.022	0.210	0.420	-0.420
9	0.093	0.210	0.420	-0.420
10	-0.099	0.211	0.421	-0.421
11	-0.048	0.211	0.422	-0.422
12	-0.171	0.211	0.423	-0.423
13	-0.259	0.213	0.427	-0.427
14	-0.137	0.218	0.435	-0.435
15	-0.052	0.219	0.438	-0.438



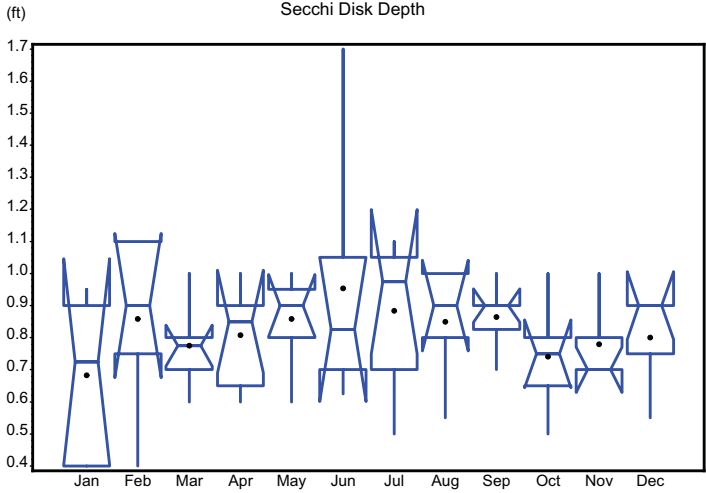
Cocohatchee River Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



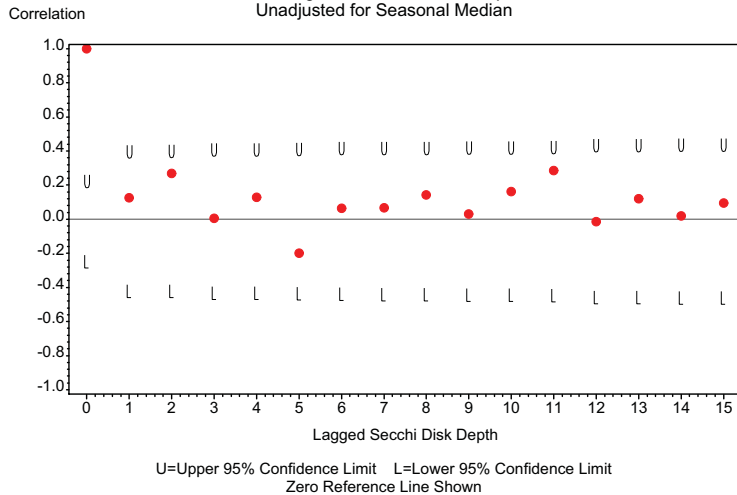
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.126	0.204	0.408	-0.408
2	0.269	0.205	0.410	-0.410
3	0.006	0.210	0.420	-0.420
4	0.127	0.210	0.420	-0.420
5	-0.198	0.211	0.422	-0.422
6	0.063	0.214	0.427	-0.427
7	0.068	0.214	0.428	-0.428
8	0.143	0.214	0.428	-0.428
9	0.029	0.216	0.431	-0.431
10	0.163	0.216	0.431	-0.431
11	0.286	0.217	0.435	-0.435
12	-0.014	0.222	0.445	-0.445
13	0.121	0.222	0.445	-0.445
14	0.019	0.223	0.447	-0.447
15	0.096	0.223	0.447	-0.447

Cocohatchee River Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



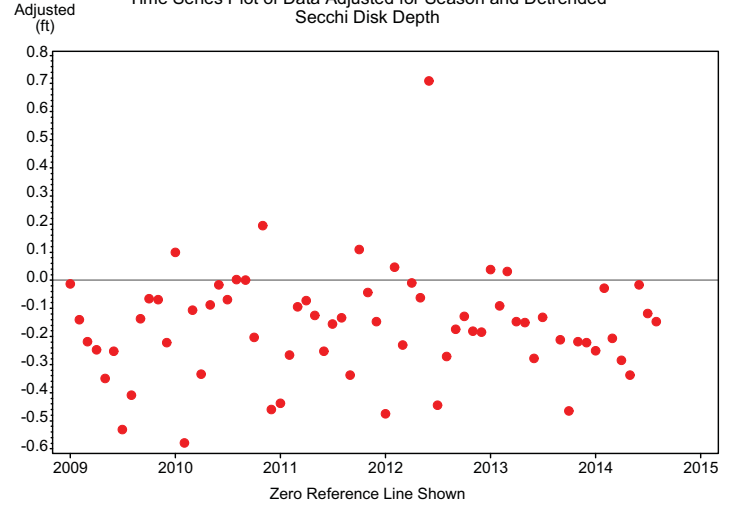
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.284	.009	0.084	0.038

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.28387	.00854039	0.084182	0.0375

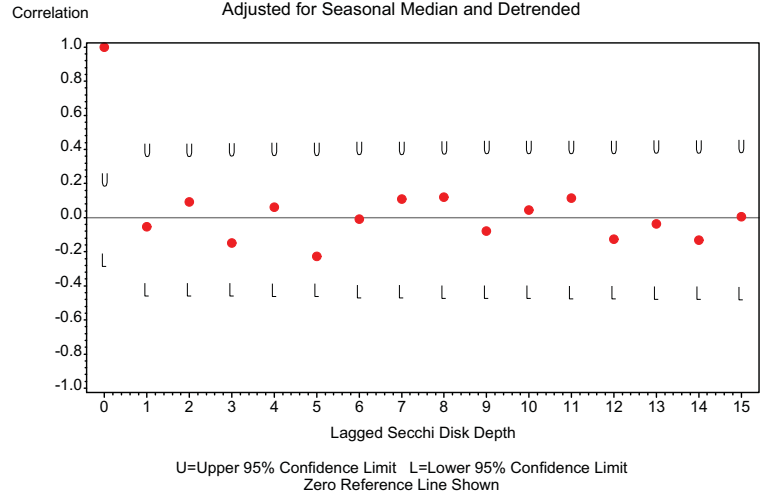
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



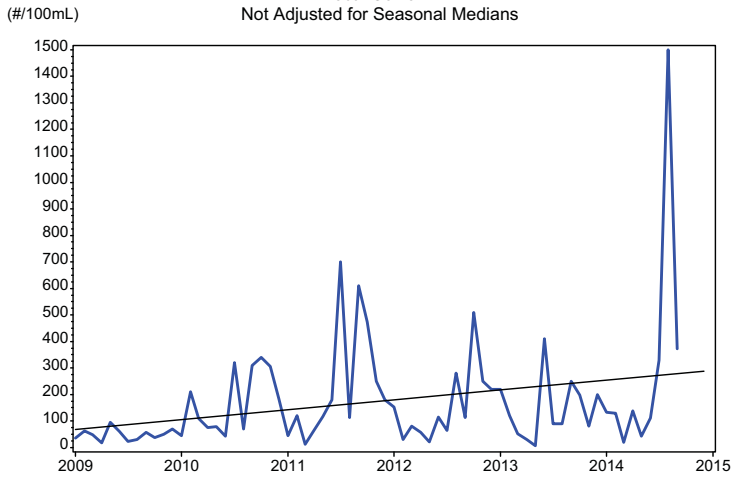
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.053	0.204	0.408	-0.408
2	0.092	0.204	0.409	-0.409
3	-0.149	0.205	0.410	-0.410
4	0.060	0.206	0.413	-0.413
5	-0.228	0.207	0.413	-0.413
6	-0.008	0.210	0.420	-0.420
7	0.108	0.210	0.420	-0.420
8	0.119	0.211	0.422	-0.422
9	-0.080	0.212	0.424	-0.424
10	0.045	0.212	0.424	-0.424
11	0.114	0.212	0.425	-0.425
12	-0.127	0.213	0.426	-0.426
13	-0.037	0.214	0.429	-0.429
14	-0.132	0.214	0.429	-0.429
15	0.006	0.215	0.431	-0.431

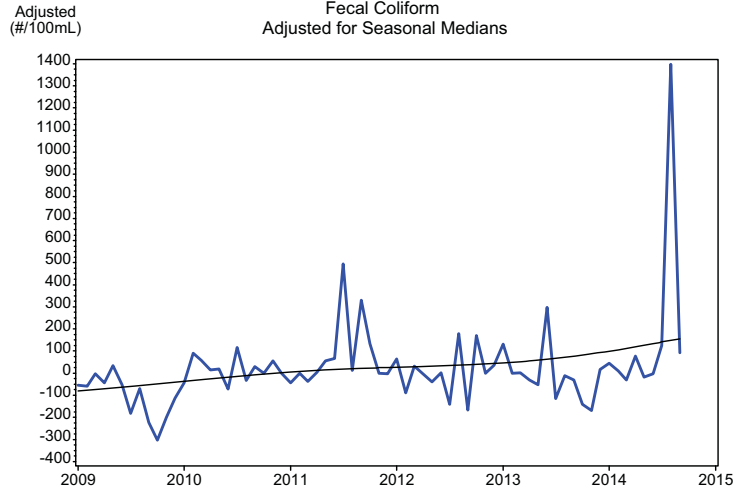
Cocohatchee River Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



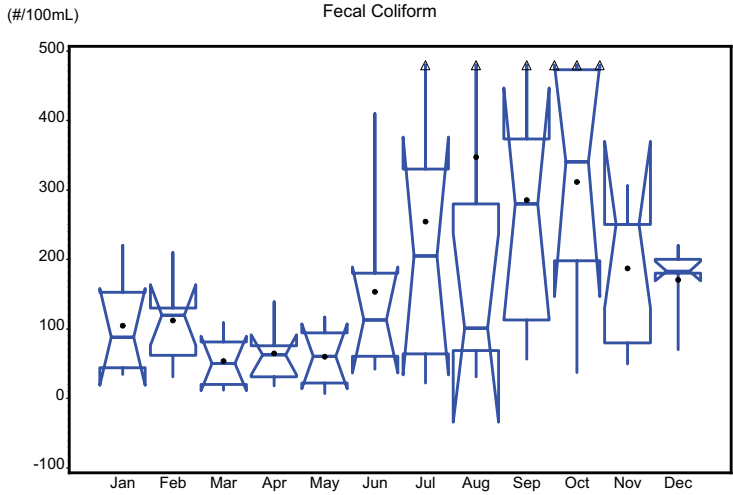
Cocohatchee River Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Cocohatchee River Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



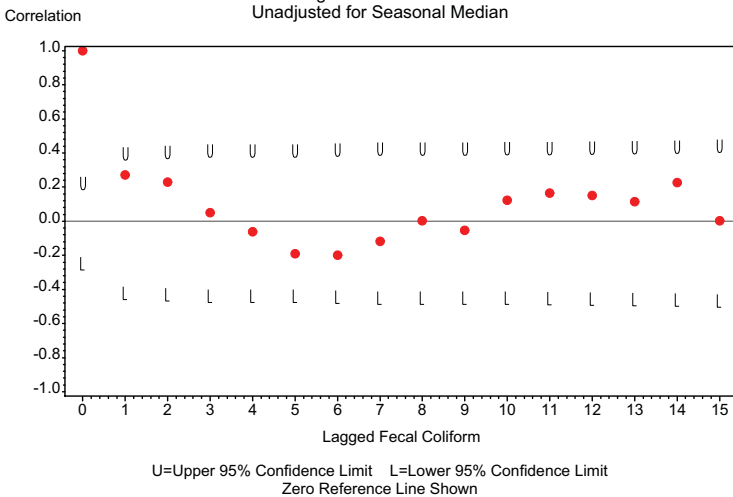
Cocohatchee River Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Cocohatchee River Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.271	0.204	0.408	-0.408
2	0.230	0.209	0.418	-0.418
3	0.051	0.213	0.425	-0.425
4	-0.062	0.213	0.425	-0.425
5	-0.191	0.213	0.426	-0.426
6	-0.198	0.215	0.431	-0.431
7	-0.118	0.218	0.436	-0.436
8	0.001	0.219	0.437	-0.437
9	-0.055	0.219	0.437	-0.437
10	0.124	0.219	0.438	-0.438
11	0.166	0.220	0.440	-0.440
12	0.151	0.222	0.443	-0.443
13	0.113	0.223	0.446	-0.446
14	0.225	0.224	0.448	-0.448
15	0.001	0.227	0.454	-0.454

Cocohatchee River Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



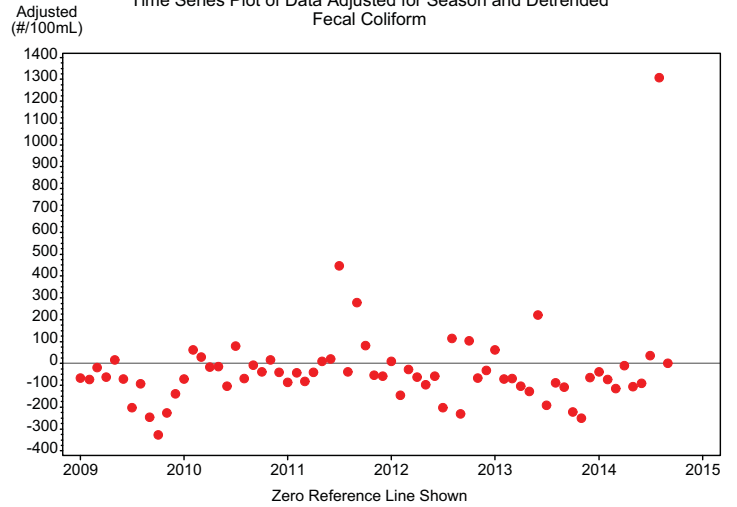
Cocohatchee River Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.242	0.025	0.188	13.833

Cocohatchee River Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.24242	0.024820	0.18845	13.8333

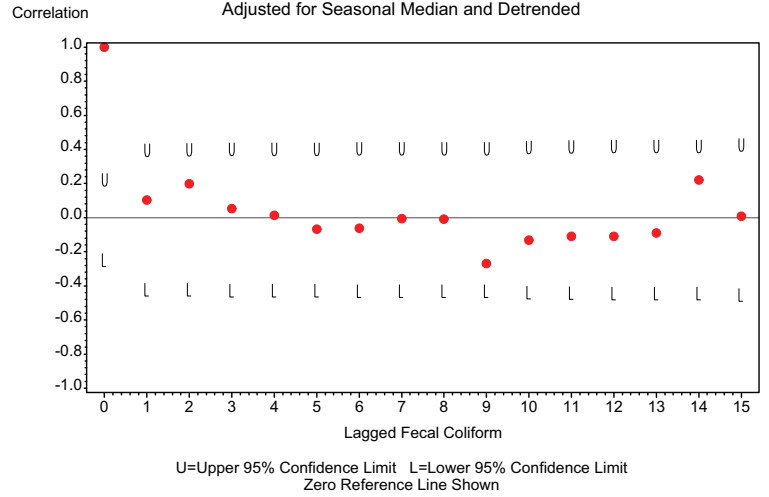
Cocohatchee River Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



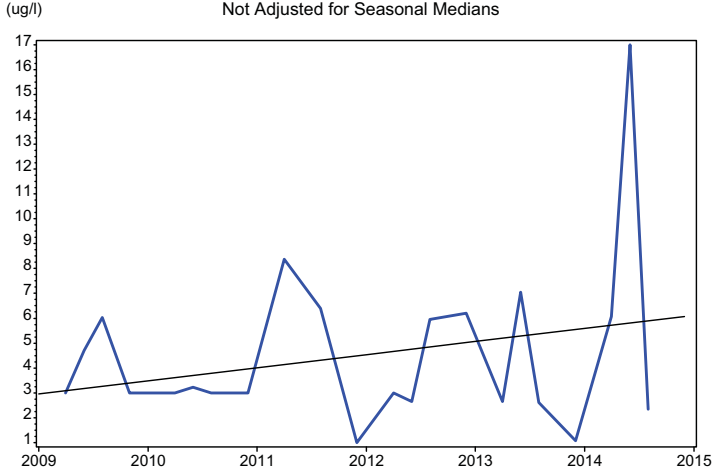
Cocohatchee River Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.104	0.204	0.408	-0.408
2	0.197	0.205	0.410	-0.410
3	0.053	0.207	0.415	-0.415
4	0.014	0.208	0.415	-0.415
5	-0.068	0.208	0.415	-0.415
6	-0.062	0.208	0.416	-0.416
7	-0.006	0.208	0.416	-0.416
8	-0.009	0.208	0.416	-0.416
9	-0.268	0.208	0.416	-0.416
10	-0.132	0.213	0.426	-0.426
11	-0.109	0.214	0.428	-0.428
12	-0.110	0.215	0.430	-0.430
13	-0.091	0.216	0.431	-0.431
14	0.220	0.216	0.432	-0.432
15	0.007	0.219	0.439	-0.439

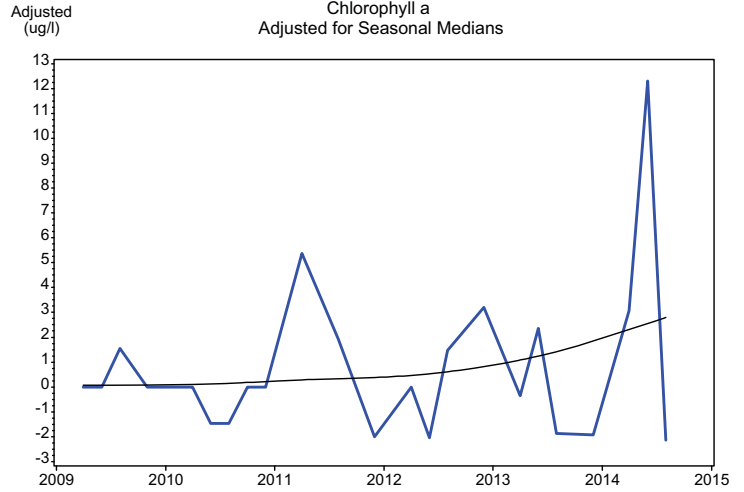
Cocohatchee River Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



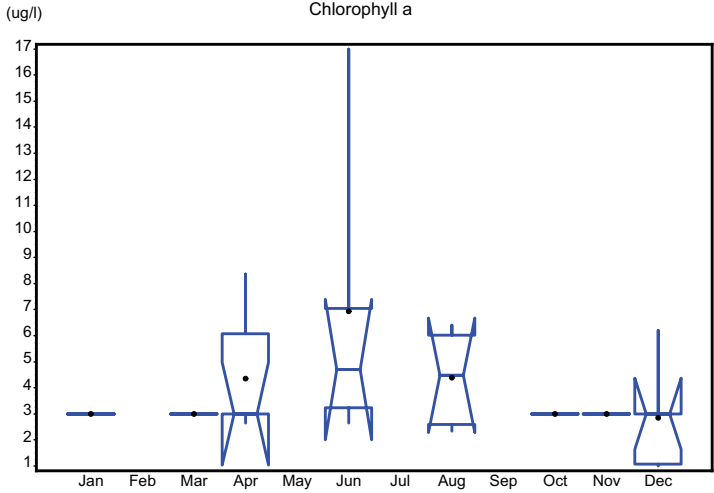
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



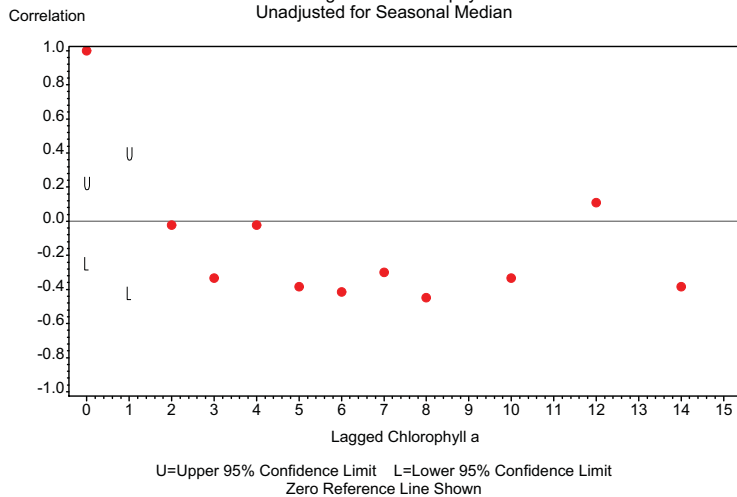
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	-0.024	.	.	.
3	-0.333	.	.	.
4	-0.024	.	.	.
5	-0.384	.	.	.
6	-0.416	.	.	.
7	-0.299	.	.	.
8	-0.448	.	.	.
9	.	.	.	.
10	-0.334	.	.	.
11	.	.	.	.
12	0.109	.	.	.
13	.	.	.	.
14	-0.385	.	.	.
15	.	.	.	.

Corkscrew Swamp Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



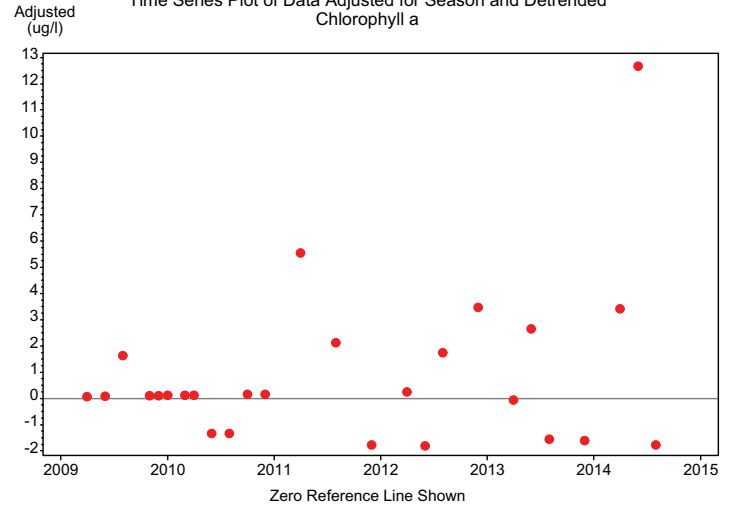
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12	0.588	0.482	-0.056

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12	0.58832	0.48241	-0.05625

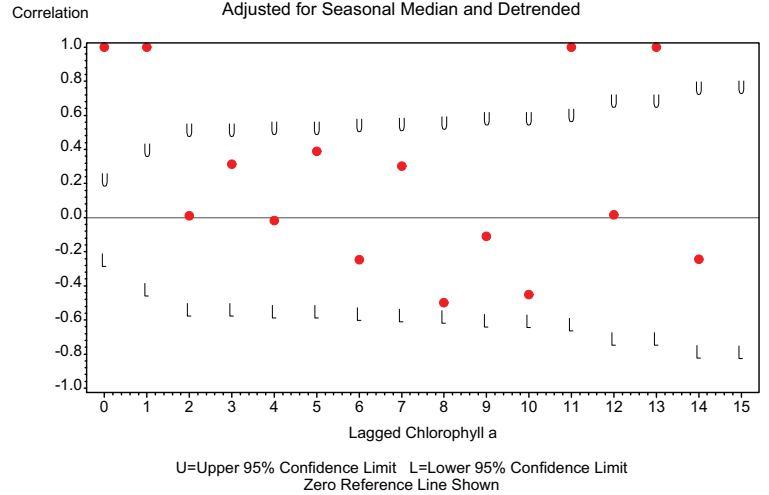
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



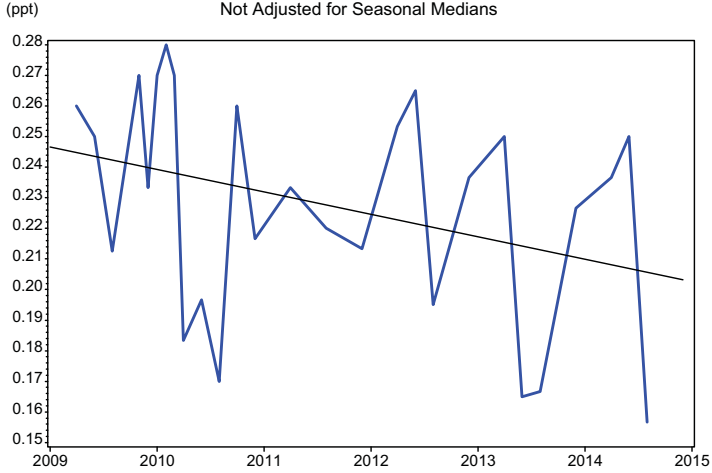
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	1.000	0.204	0.408	-0.408
2	0.012	0.264	0.527	-0.527
3	0.313	0.264	0.527	-0.527
4	-0.016	0.269	0.537	-0.537
5	0.390	0.269	0.537	-0.537
6	-0.247	0.276	0.553	-0.553
7	0.303	0.279	0.559	-0.559
8	-0.499	0.284	0.568	-0.568
9	-0.111	0.296	0.592	-0.592
10	-0.452	0.296	0.593	-0.593
11	1.000	0.306	0.612	-0.612
12	0.017	0.348	0.697	-0.697
13	1.000	0.348	0.697	-0.697
14	-0.243	0.386	0.772	-0.772
15	.	0.388	0.777	-0.777

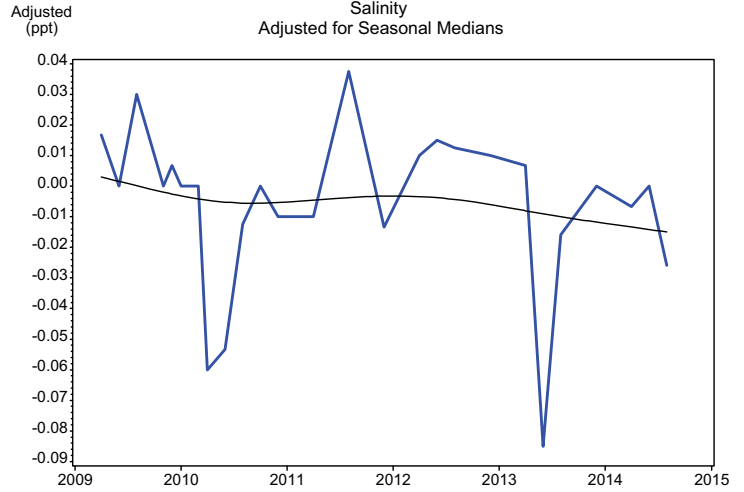
Corkscrew Swamp Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



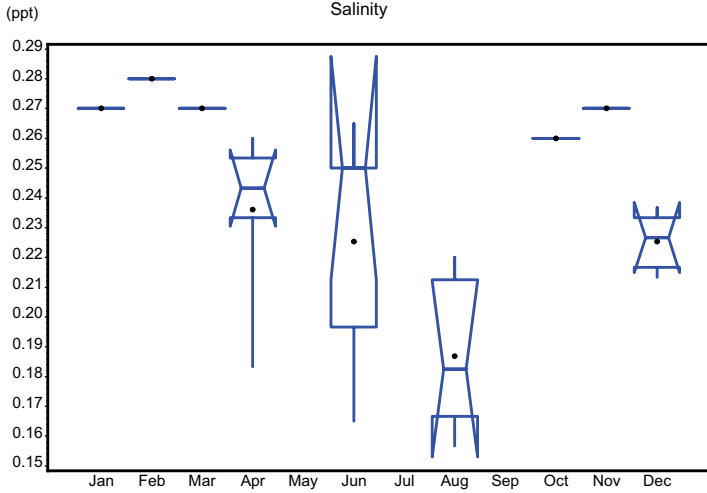
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



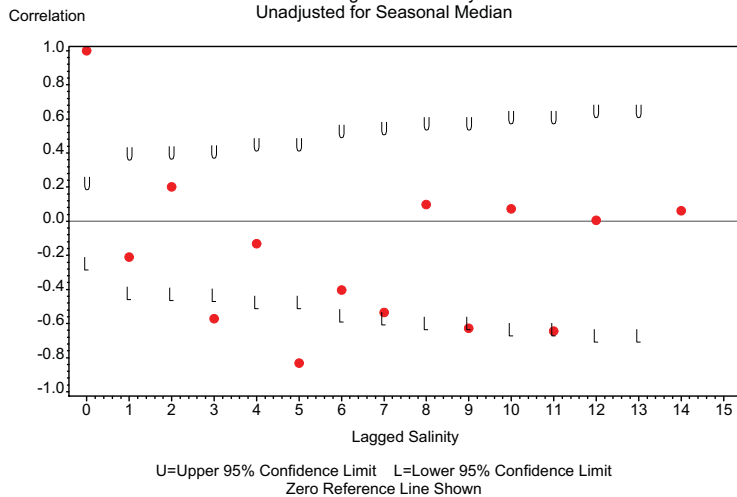
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Salinity



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.210	0.204	0.408	-0.408
2	0.201	0.207	0.414	-0.414
3	-0.572	0.210	0.420	-0.420
4	-0.131	0.230	0.461	-0.461
5	-0.832	0.231	0.463	-0.463
6	-0.404	0.270	0.540	-0.540
7	-0.535	0.278	0.556	-0.556
8	0.097	0.292	0.584	-0.584
9	-0.628	0.292	0.585	-0.585
10	0.073	0.311	0.621	-0.621
11	-0.645	0.311	0.622	-0.622
12	0.004	0.329	0.658	-0.658
13	.	0.329	0.658	-0.658
14	0.062	.	.	.
15	.	.	.	.

Corkscrew Swamp Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



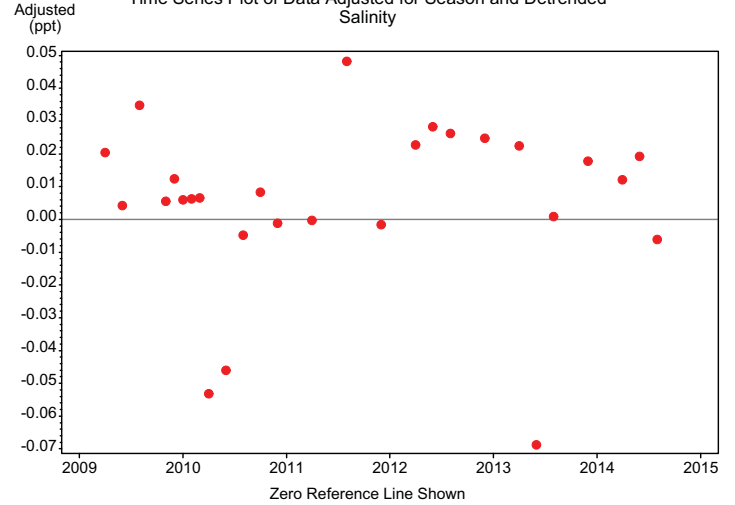
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.22	0.289	0.444	-0.003

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.22	0.28915	0.44444	-.003

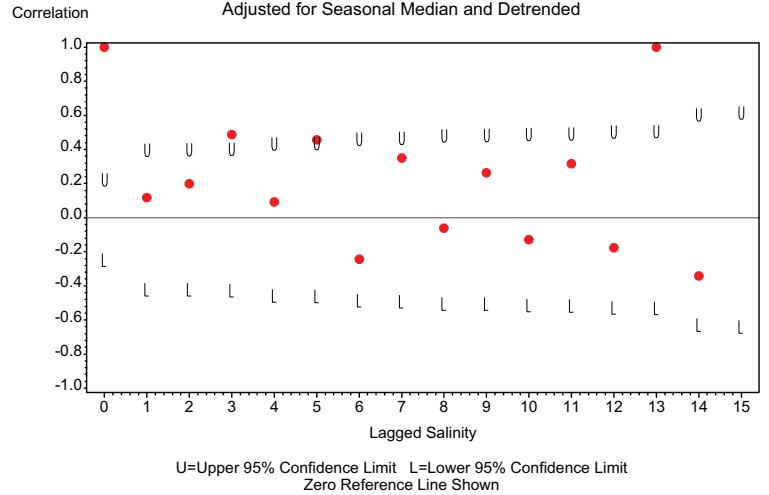
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



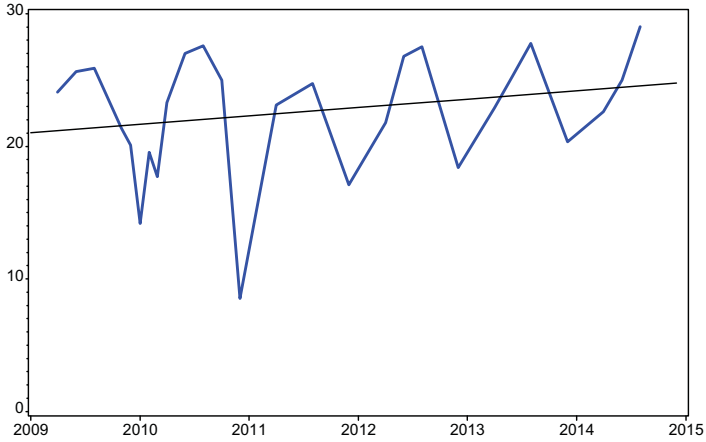
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.117	0.204	0.408	-0.408
2	0.199	0.205	0.410	-0.410
3	0.487	0.208	0.415	-0.415
4	0.093	0.223	0.446	-0.446
5	0.455	0.224	0.447	-0.447
6	-0.244	0.236	0.472	-0.472
7	0.350	0.240	0.479	-0.479
8	-0.063	0.247	0.493	-0.493
9	0.262	0.247	0.494	-0.494
10	-0.128	0.251	0.501	-0.501
11	0.315	0.251	0.503	-0.503
12	-0.176	0.257	0.514	-0.514
13	1.000	0.259	0.517	-0.517
14	-0.341	0.308	0.615	-0.615
15	.	0.313	0.626	-0.626

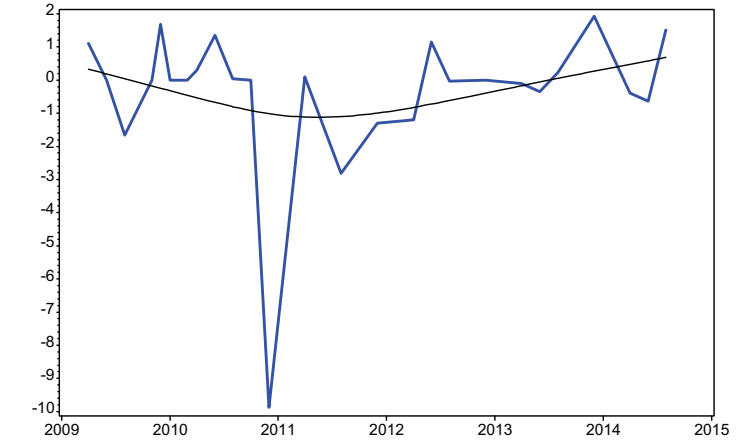
Corkscrew Swamp Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



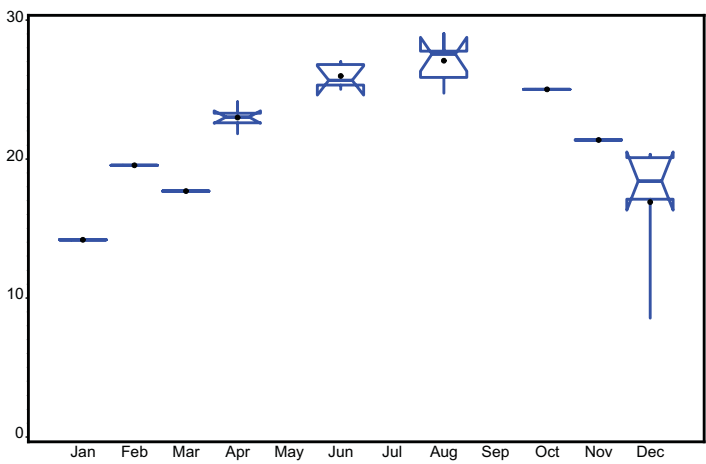
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



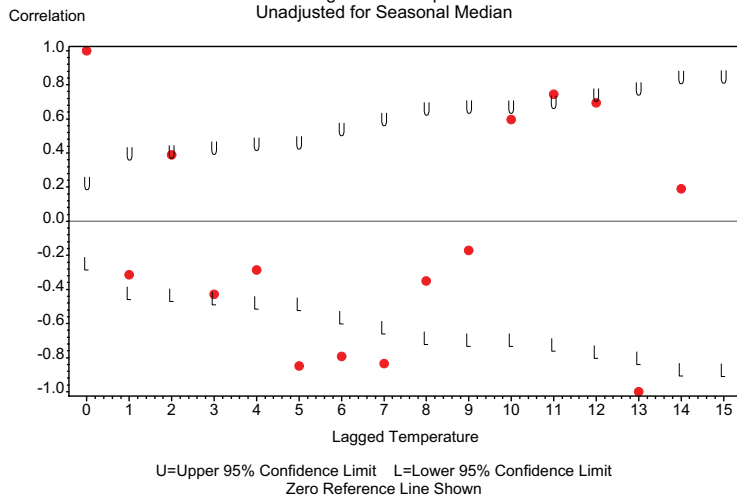
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Temperature



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.314	0.204	0.408	-0.408
2	0.390	0.211	0.421	-0.421
3	-0.430	0.221	0.441	-0.441
4	-0.286	0.232	0.464	-0.464
5	-0.848	0.237	0.473	-0.473
6	-0.792	0.276	0.551	-0.551
7	-0.834	0.306	0.611	-0.611
8	-0.350	0.336	0.672	-0.672
9	-0.171	0.341	0.682	-0.682
10	0.597	0.342	0.684	-0.684
11	0.745	0.356	0.712	-0.712
12	0.693	0.377	0.754	-0.754
13	-1.000	0.394	0.789	-0.789
14	0.191	0.428	0.857	-0.857
15	.	0.429	0.859	-0.859

Corkscrew Swamp Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



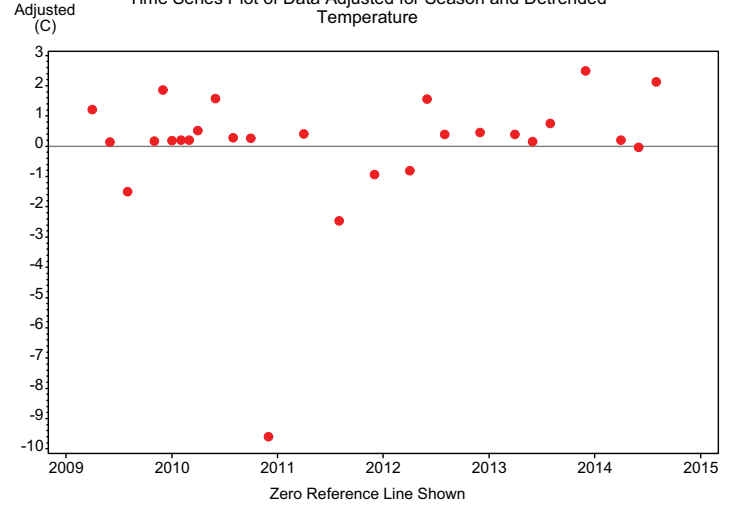
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.08	0.752	0.646	-0.094

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.08	0.75183	0.64603	-0.09375

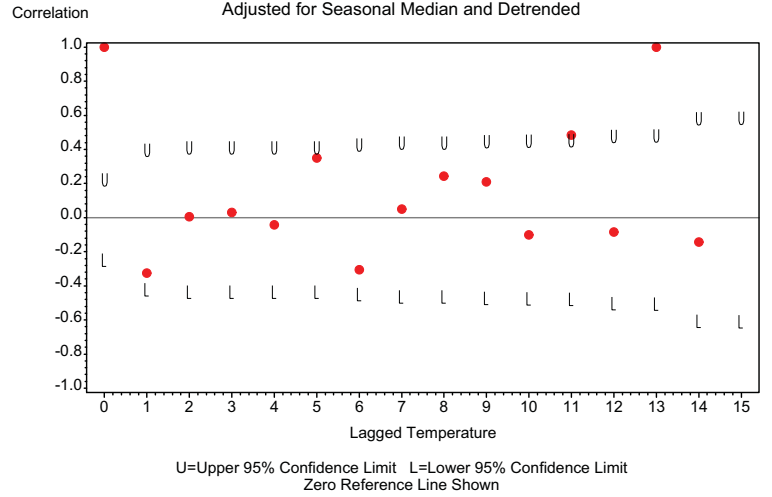
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



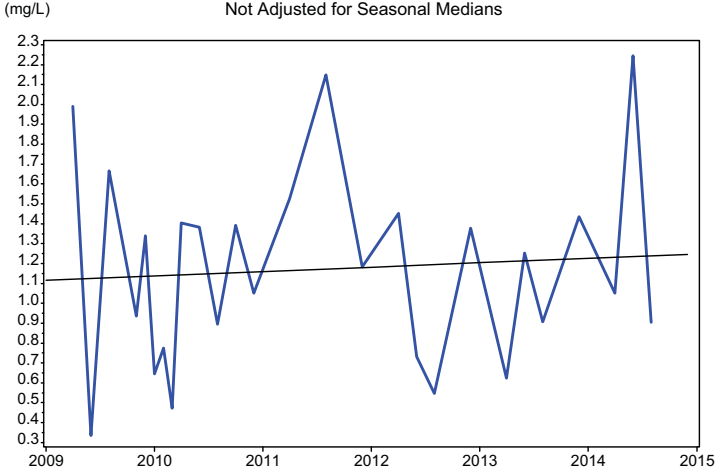
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.324	0.204	0.408	-0.408
2	0.006	0.211	0.422	-0.422
3	0.029	0.211	0.422	-0.422
4	-0.042	0.211	0.422	-0.422
5	0.349	0.211	0.423	-0.423
6	-0.306	0.219	0.438	-0.438
7	0.050	0.225	0.450	-0.450
8	0.242	0.225	0.450	-0.450
9	0.209	0.229	0.458	-0.458
10	-0.102	0.231	0.463	-0.463
11	0.484	0.232	0.464	-0.464
12	-0.085	0.246	0.491	-0.491
13	1.000	0.246	0.492	-0.492
14	-0.143	0.297	0.594	-0.594
15	.	0.298	0.596	-0.596

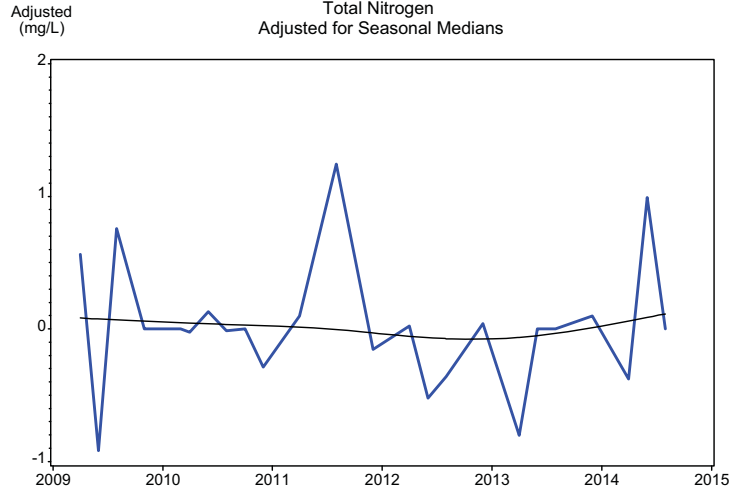
Corkscrew Swamp Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



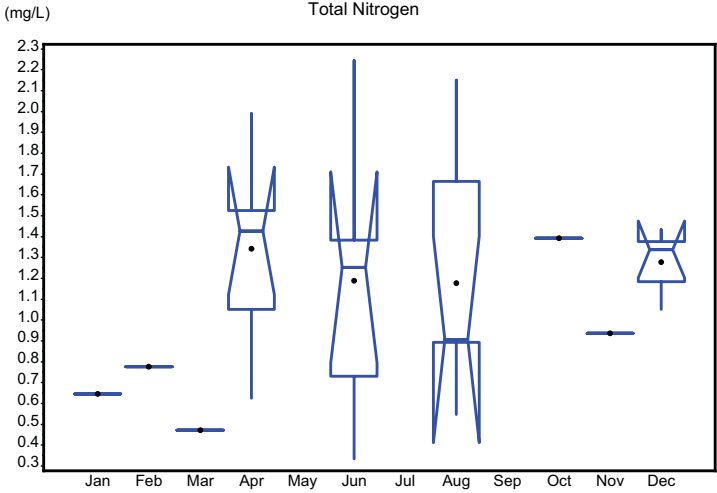
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



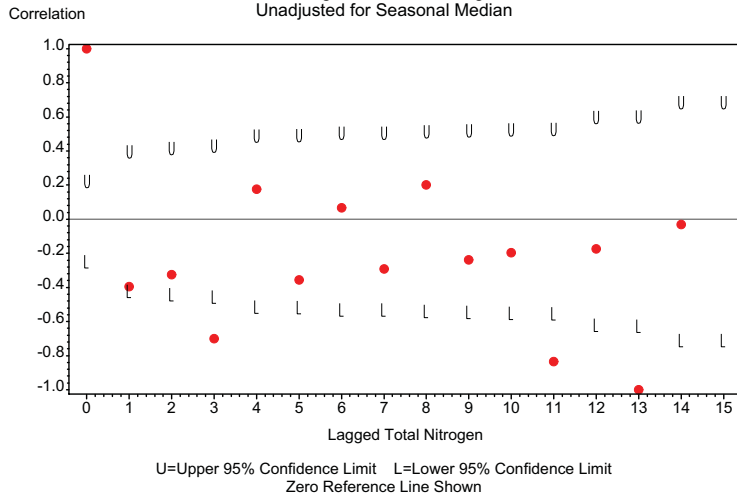
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.394	0.204	0.408	-0.408
2	-0.325	0.214	0.429	-0.429
3	-0.701	0.221	0.442	-0.442
4	0.177	0.250	0.500	-0.500
5	-0.357	0.252	0.504	-0.504
6	0.068	0.259	0.518	-0.518
7	-0.293	0.259	0.518	-0.518
8	0.202	0.264	0.527	-0.527
9	-0.239	0.266	0.532	-0.532
10	-0.197	0.269	0.537	-0.537
11	-0.836	0.271	0.541	-0.541
12	-0.175	0.305	0.609	-0.609
13	-1.000	0.306	0.612	-0.612
14	-0.032	0.348	0.697	-0.697
15	.	0.348	0.697	-0.697

Corkscrew Swamp Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



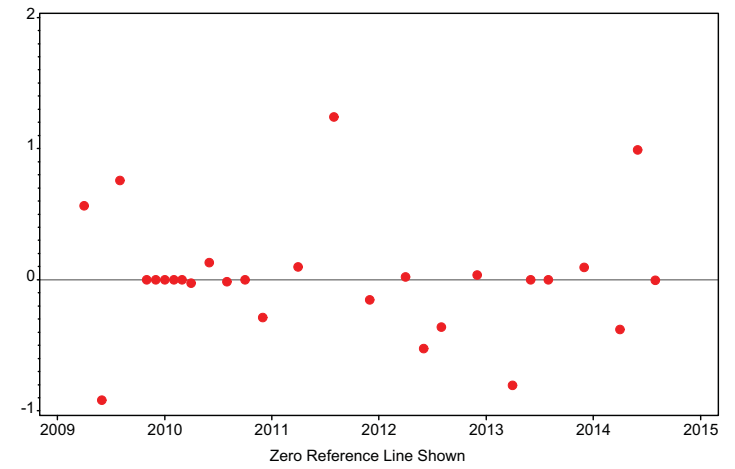
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	.000375

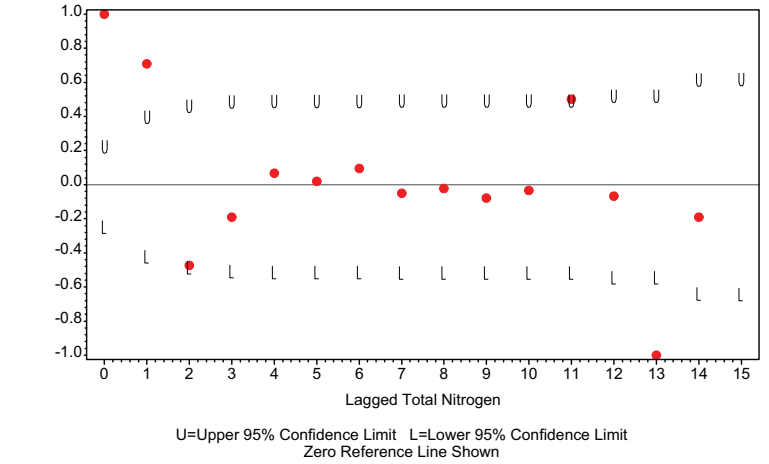
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



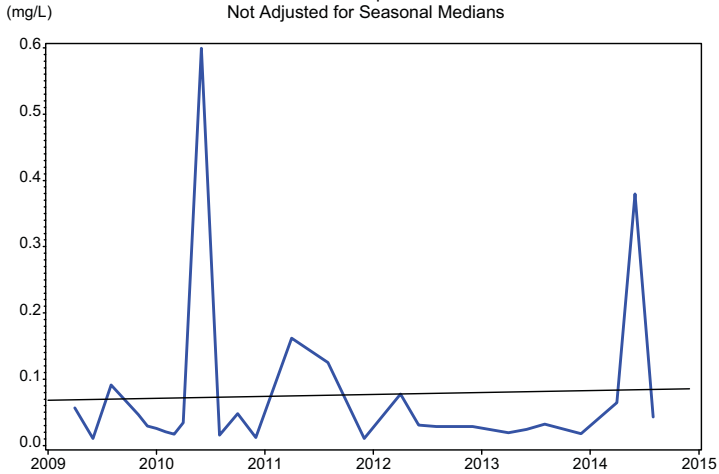
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.709	0.204	0.408	-0.408
2	-0.473	0.236	0.472	-0.472
3	-0.192	0.249	0.497	-0.497
4	0.068	0.251	0.502	-0.502
5	0.019	0.251	0.502	-0.502
6	0.095	0.251	0.502	-0.502
7	-0.050	0.252	0.503	-0.503
8	-0.023	0.252	0.503	-0.503
9	-0.078	0.252	0.503	-0.503
10	-0.035	0.252	0.504	-0.504
11	0.501	0.252	0.504	-0.504
12	-0.067	0.266	0.531	-0.531
13	-1.000	0.266	0.532	-0.532
14	-0.190	0.314	0.627	-0.627
15	.	0.315	0.631	-0.631

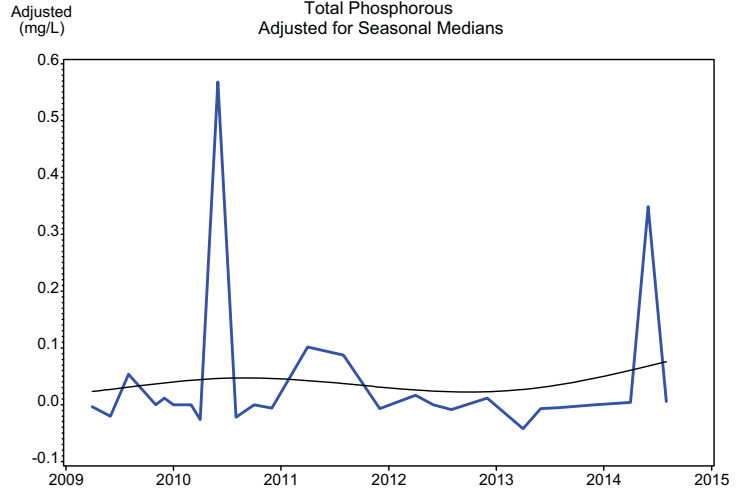
Corkscrew Swamp Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



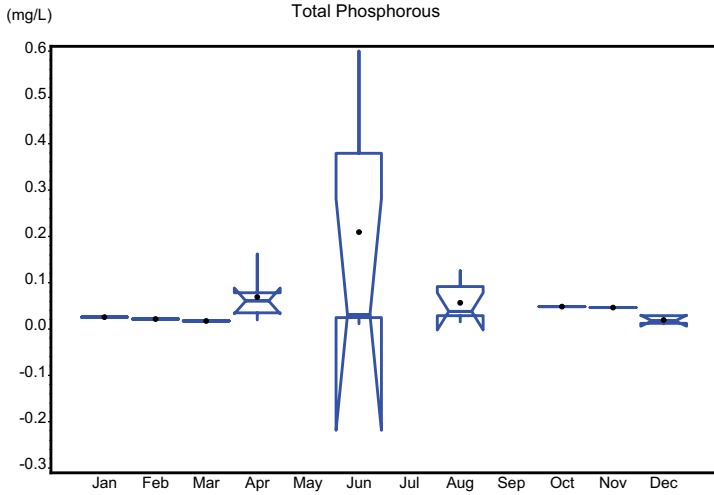
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



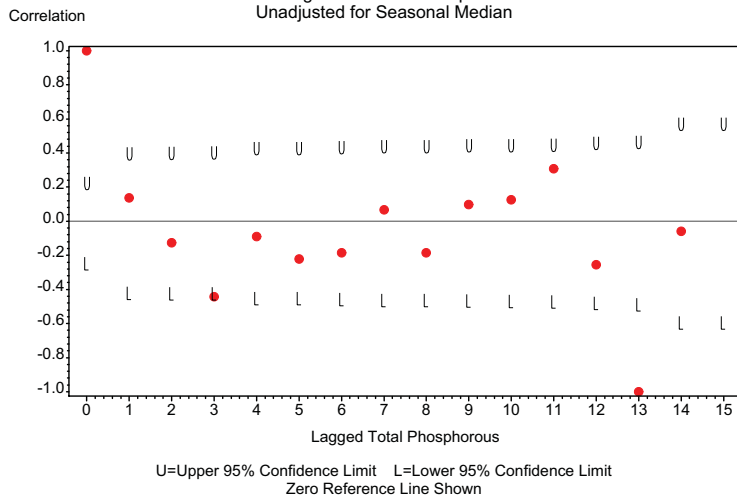
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.138	0.204	0.408	-0.408
2	-0.127	0.205	0.411	-0.411
3	-0.443	0.207	0.413	-0.413
4	-0.089	0.219	0.439	-0.439
5	-0.222	0.220	0.440	-0.440
6	-0.184	0.223	0.446	-0.446
7	0.067	0.225	0.450	-0.450
8	-0.186	0.225	0.451	-0.451
9	0.098	0.227	0.455	-0.455
10	0.126	0.228	0.456	-0.456
11	0.308	0.229	0.458	-0.458
12	-0.255	0.235	0.469	-0.469
13	-1.000	0.238	0.477	-0.477
14	-0.059	0.291	0.582	-0.582
15	.	0.291	0.582	-0.582

Corkscrew Swamp Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



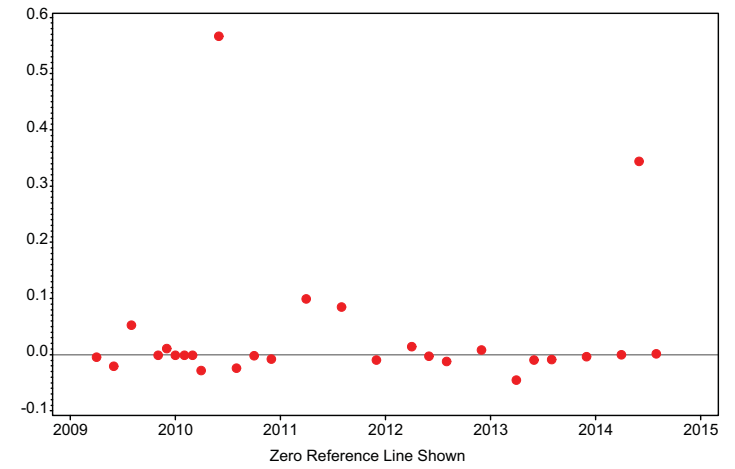
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.02	1	1	.001

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	.000633333

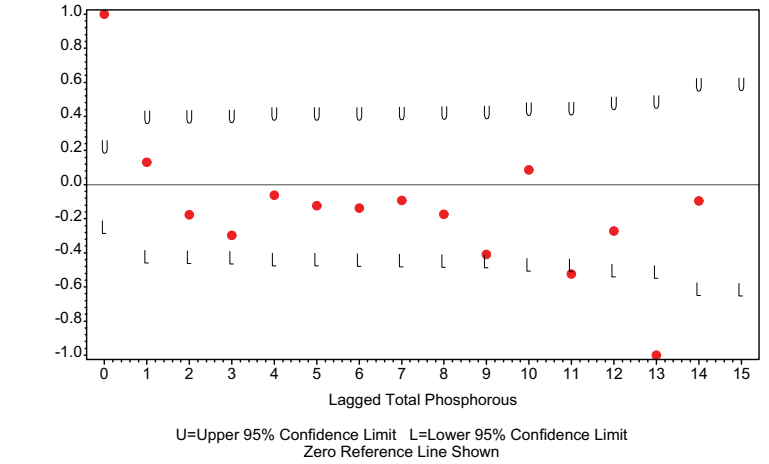
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



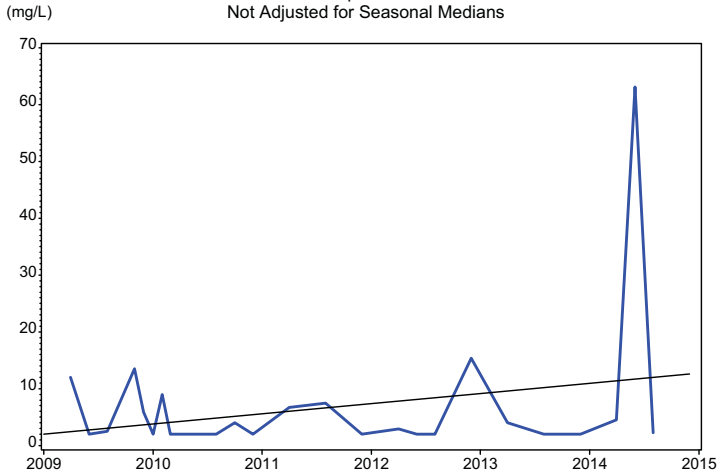
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.132	0.204	0.408	-0.408
2	-0.177	0.205	0.411	-0.411
3	-0.298	0.207	0.415	-0.415
4	-0.061	0.213	0.427	-0.427
5	-0.124	0.214	0.427	-0.427
6	-0.137	0.215	0.429	-0.429
7	-0.094	0.216	0.431	-0.431
8	-0.174	0.216	0.433	-0.433
9	-0.408	0.218	0.436	-0.436
10	0.087	0.229	0.457	-0.457
11	-0.523	0.229	0.458	-0.458
12	-0.273	0.245	0.490	-0.490
13	-1.000	0.249	0.499	-0.499
14	-0.095	0.300	0.600	-0.600
15	.	0.300	0.601	-0.601

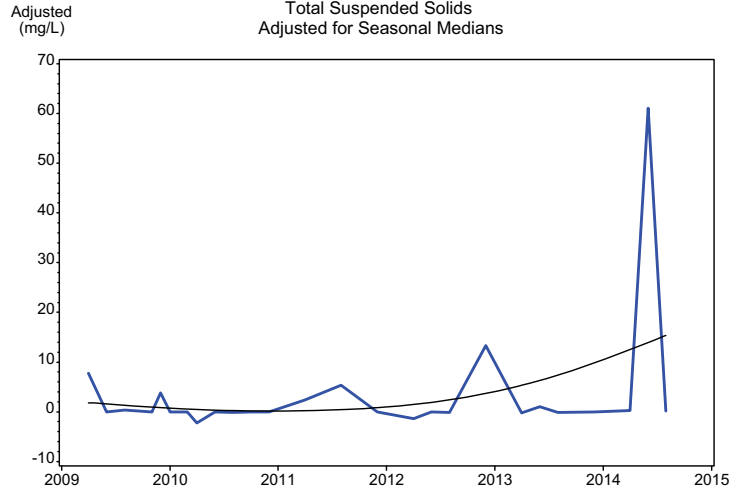
Corkscrew Swamp Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



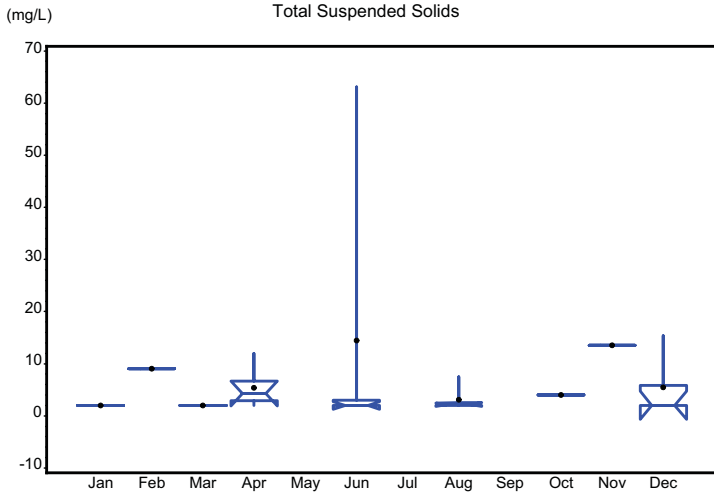
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



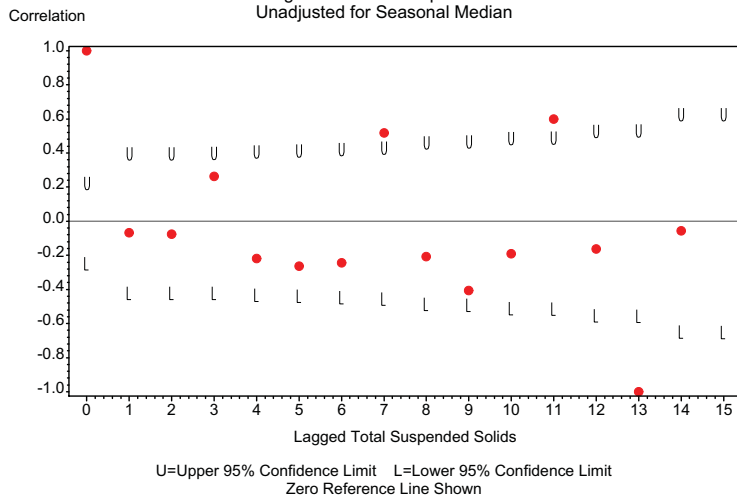
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.069	0.204	0.408	-0.408
2	-0.075	0.204	0.409	-0.409
3	0.264	0.205	0.410	-0.410
4	-0.219	0.210	0.419	-0.419
5	-0.263	0.213	0.425	-0.425
6	-0.243	0.217	0.434	-0.434
7	0.517	0.221	0.442	-0.442
8	-0.208	0.237	0.474	-0.474
9	-0.407	0.240	0.479	-0.479
10	-0.192	0.249	0.498	-0.498
11	0.600	0.251	0.502	-0.502
12	-0.164	0.270	0.540	-0.540
13	-1.000	0.272	0.543	-0.543
14	-0.056	0.319	0.637	-0.637
15	.	0.319	0.638	-0.638

Corkscrew Swamp Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



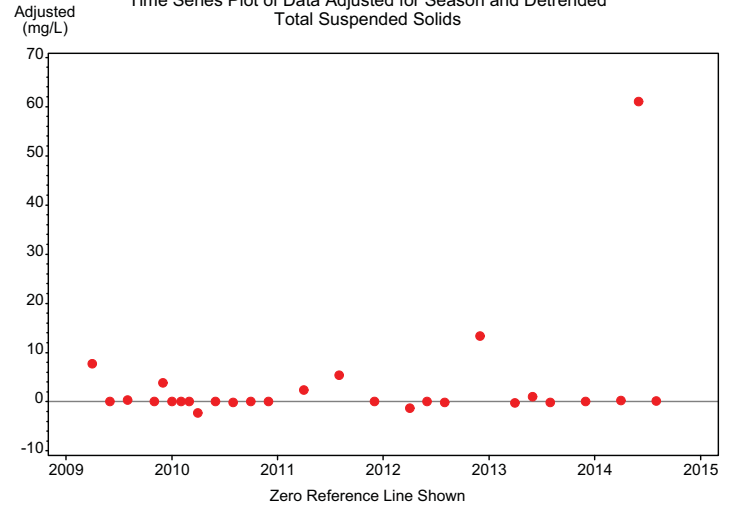
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.06	0.822	0.858	0

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.06	0.82197	0.85840	0

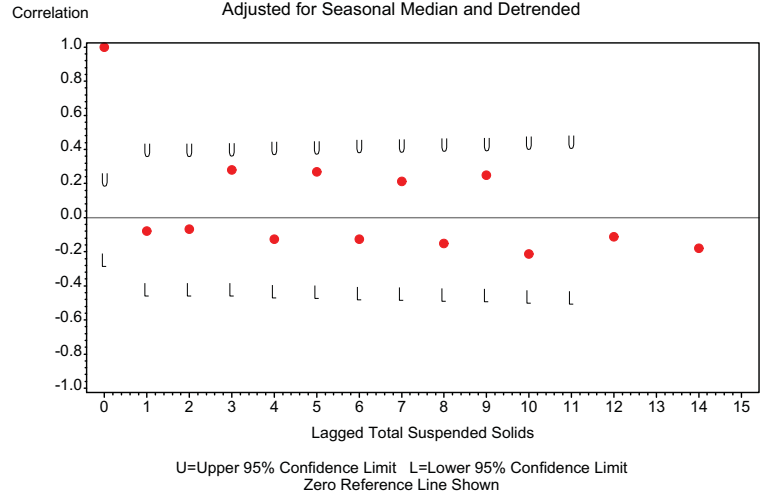
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



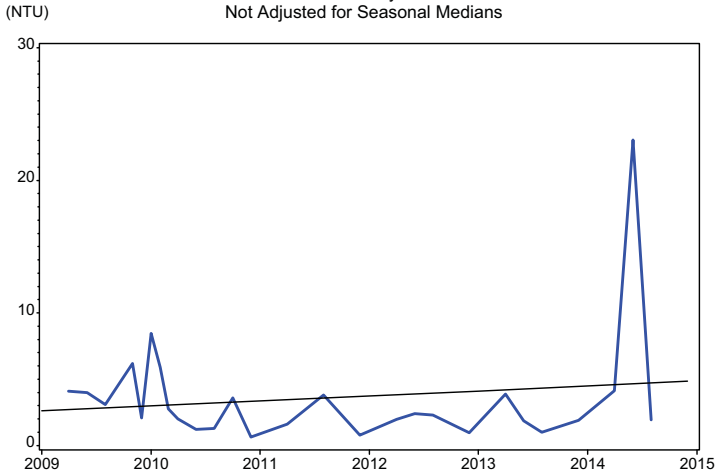
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.080	0.204	0.408	-0.408
2	-0.068	0.205	0.409	-0.409
3	0.279	0.205	0.410	-0.410
4	-0.127	0.210	0.420	-0.420
5	0.268	0.211	0.422	-0.422
6	-0.126	0.216	0.432	-0.432
7	0.211	0.217	0.434	-0.434
8	-0.152	0.220	0.439	-0.439
9	0.250	0.221	0.442	-0.442
10	-0.214	0.225	0.450	-0.450
11	.	0.228	0.456	-0.456
12	-0.113	.	.	.
13	.	.	.	.
14	-0.180	.	.	.
15	.	.	.	.

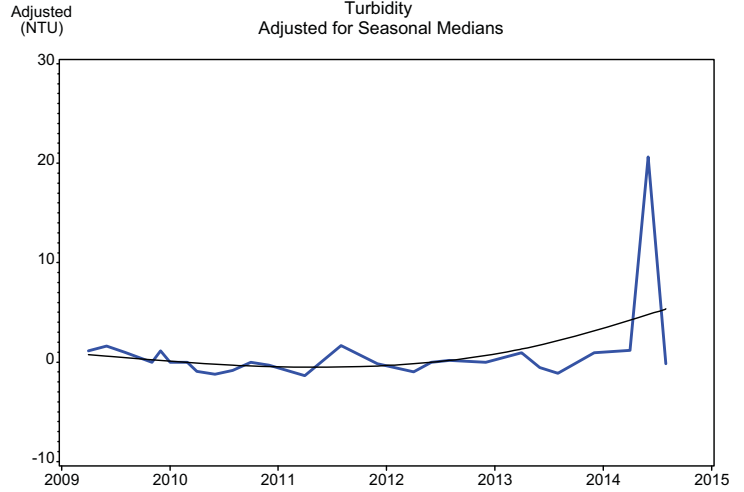
Corkscrew Swamp Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



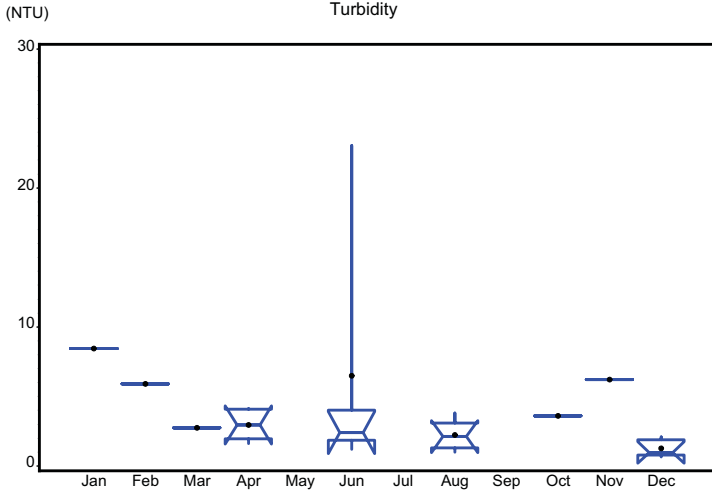
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



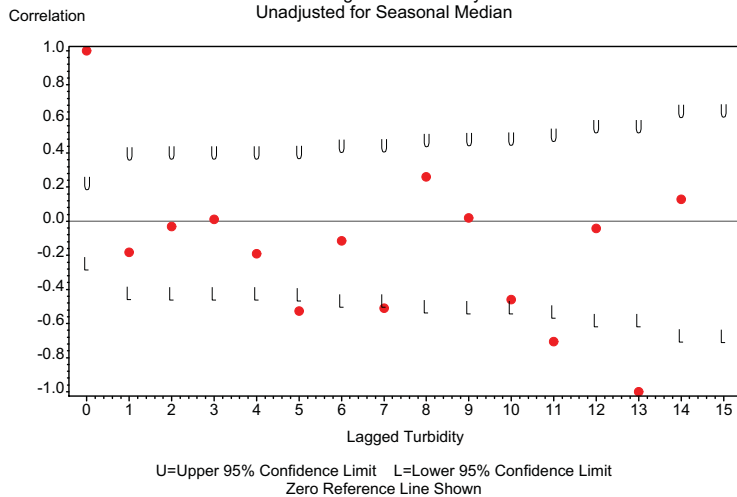
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Turbidity



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.183	0.204	0.408	-0.408
2	-0.030	0.206	0.413	-0.413
3	0.011	0.206	0.413	-0.413
4	-0.190	0.206	0.413	-0.413
5	-0.528	0.209	0.418	-0.418
6	-0.116	0.227	0.453	-0.453
7	-0.511	0.227	0.455	-0.455
8	0.260	0.243	0.486	-0.486
9	0.019	0.247	0.493	-0.493
10	-0.460	0.247	0.494	-0.494
11	-0.707	0.258	0.517	-0.517
12	-0.043	0.284	0.568	-0.568
13	-1.000	0.284	0.568	-0.568
14	0.127	0.329	0.659	-0.659
15	.	0.330	0.660	-0.660

Corkscrew Swamp Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



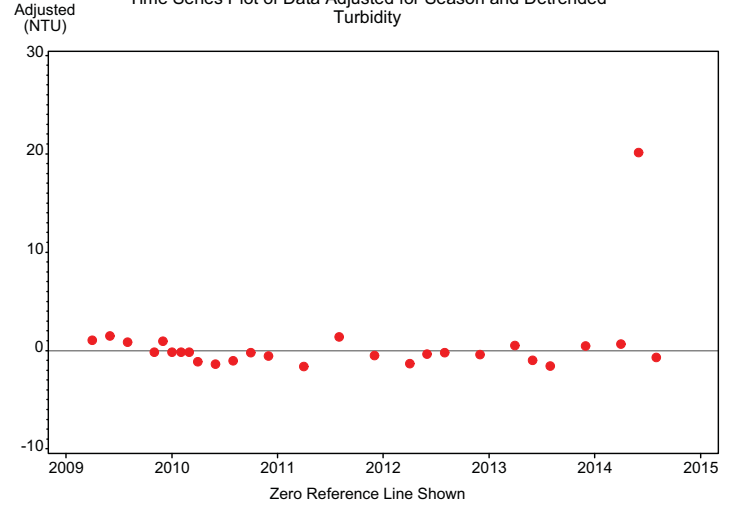
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.04	0.916	0.935	0.082

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.04	0.91605	0.93535	0.08255

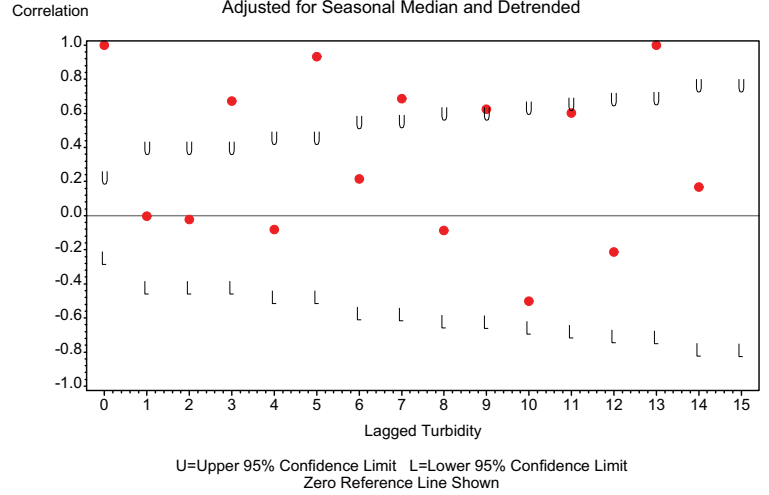
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



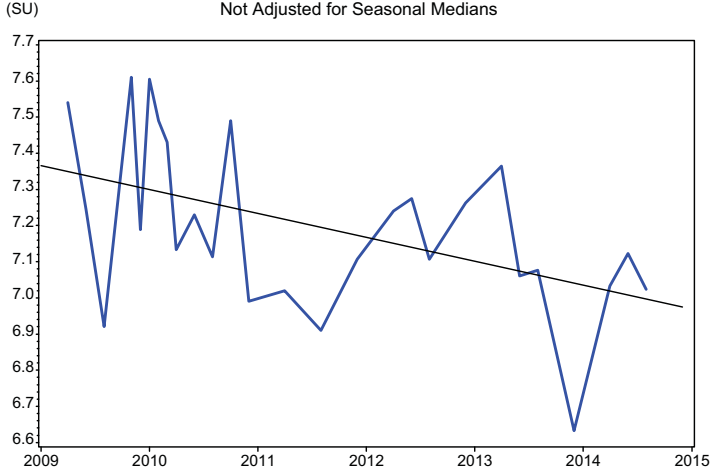
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.002	0.204	0.408	-0.408
2	-0.022	0.204	0.408	-0.408
3	0.671	0.204	0.408	-0.408
4	-0.082	0.233	0.466	-0.466
5	0.931	0.233	0.466	-0.466
6	0.214	0.280	0.560	-0.560
7	0.686	0.282	0.565	-0.565
8	-0.087	0.305	0.609	-0.609
9	0.624	0.305	0.610	-0.610
10	-0.502	0.322	0.644	-0.644
11	0.602	0.333	0.666	-0.666
12	-0.214	0.348	0.695	-0.695
13	1.000	0.349	0.699	-0.699
14	0.168	0.387	0.774	-0.774
15	.	0.388	0.776	-0.776

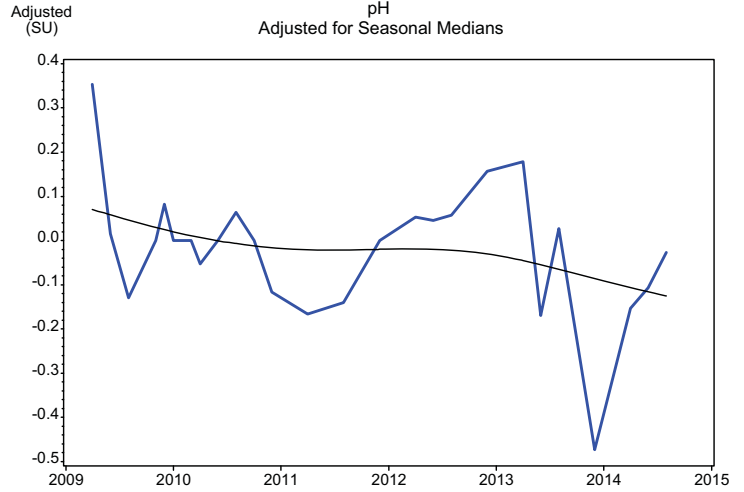
Corkscrew Swamp Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



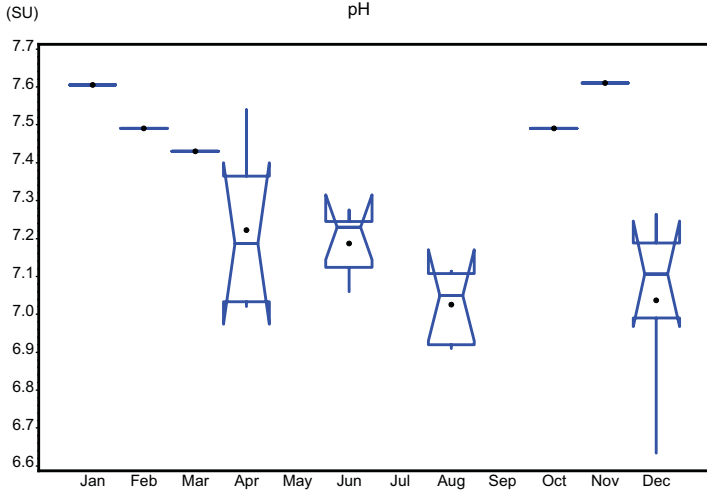
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



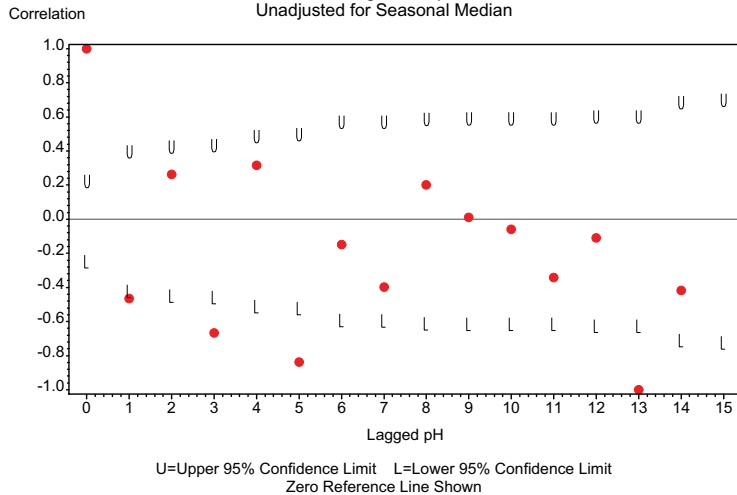
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
pH



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.466	0.204	0.408	-0.408
2	0.262	0.218	0.437	-0.437
3	-0.667	0.223	0.445	-0.445
4	0.315	0.249	0.498	-0.498
5	-0.839	0.254	0.509	-0.509
6	-0.150	0.290	0.581	-0.581
7	-0.397	0.291	0.583	-0.583
8	0.201	0.299	0.598	-0.598
9	0.012	0.301	0.601	-0.601
10	-0.060	0.301	0.601	-0.601
11	-0.342	0.301	0.602	-0.602
12	-0.109	0.306	0.612	-0.612
13	-1.000	0.307	0.613	-0.613
14	-0.419	0.349	0.698	-0.698
15	.	0.356	0.712	-0.712

Corkscrew Swamp Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



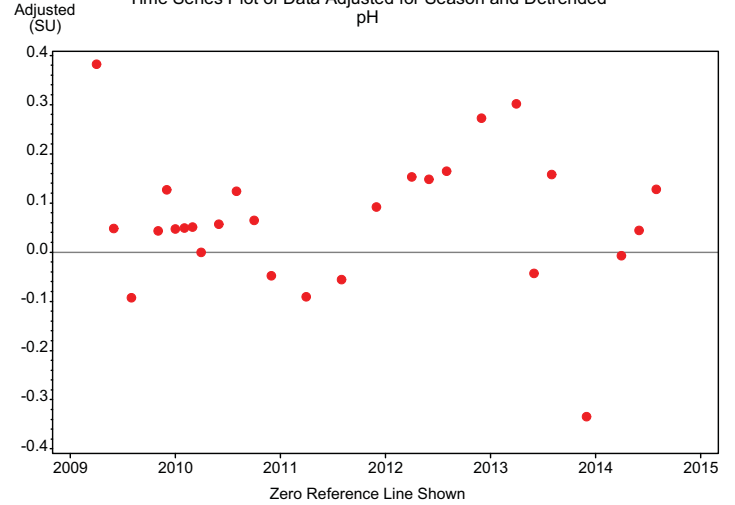
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.343	0.438	-0.023

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.34278	0.43801	-0.02345

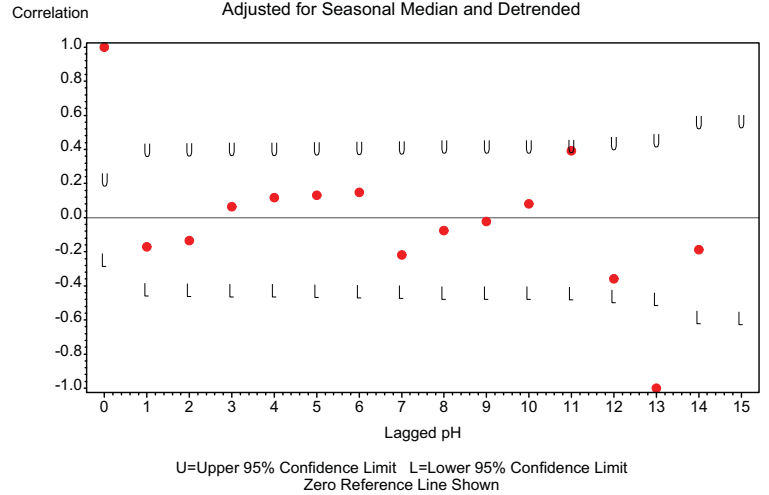
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



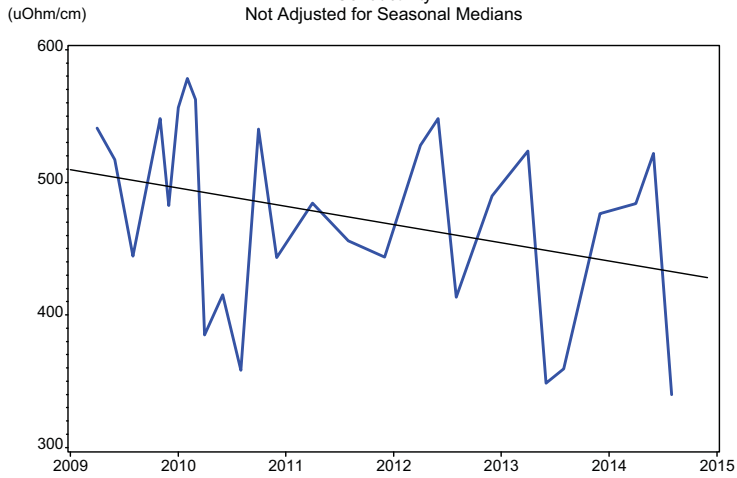
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.171	0.204	0.408	-0.408
2	-0.134	0.206	0.412	-0.412
3	0.063	0.207	0.415	-0.415
4	0.116	0.208	0.415	-0.415
5	0.130	0.208	0.417	-0.417
6	0.147	0.210	0.419	-0.419
7	-0.220	0.211	0.422	-0.422
8	-0.076	0.214	0.428	-0.428
9	-0.024	0.215	0.429	-0.429
10	0.080	0.215	0.429	-0.429
11	0.391	0.215	0.430	-0.430
12	-0.358	0.225	0.449	-0.449
13	-1.000	0.232	0.465	-0.465
14	-0.189	0.286	0.572	-0.572
15	.	0.288	0.576	-0.576

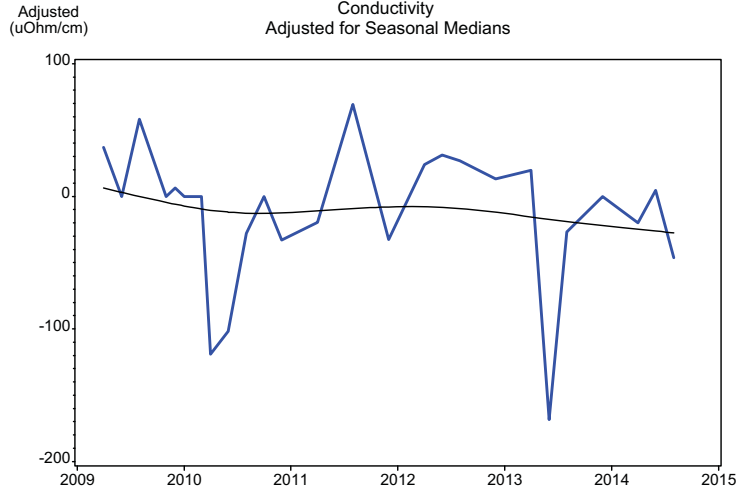
Corkscrew Swamp Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



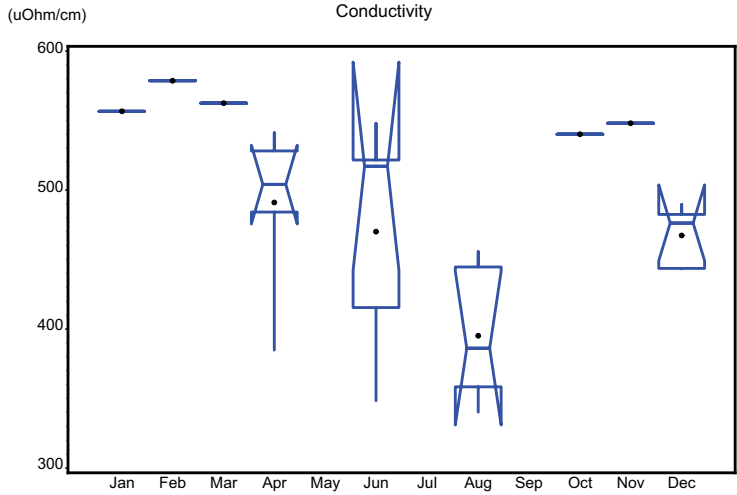
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



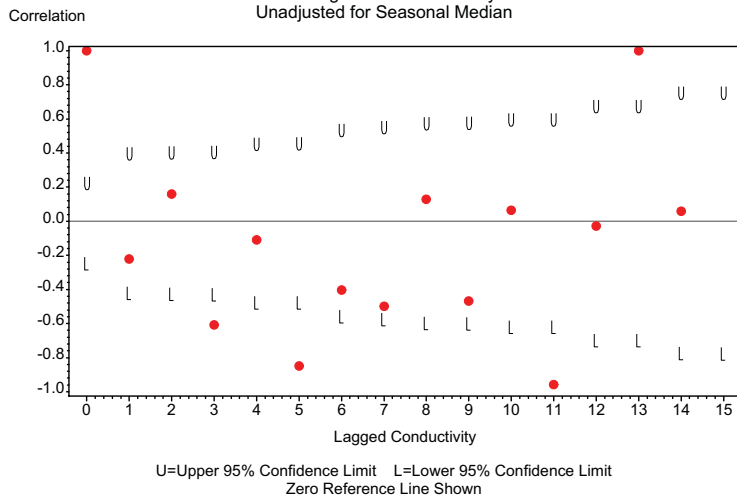
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Conductivity



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.221	0.204	0.408	-0.408
2	0.159	0.207	0.415	-0.415
3	-0.609	0.209	0.418	-0.418
4	-0.110	0.232	0.465	-0.465
5	-0.848	0.233	0.466	-0.466
6	-0.404	0.273	0.545	-0.545
7	-0.498	0.281	0.562	-0.562
8	0.128	0.293	0.586	-0.586
9	-0.467	0.294	0.587	-0.587
10	0.065	0.304	0.608	-0.608
11	-0.958	0.304	0.608	-0.608
12	-0.028	0.343	0.687	-0.687
13	1.000	0.343	0.687	-0.687
14	0.059	0.382	0.763	-0.763
15	.	0.382	0.764	-0.764

Corkscrew Swamp Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



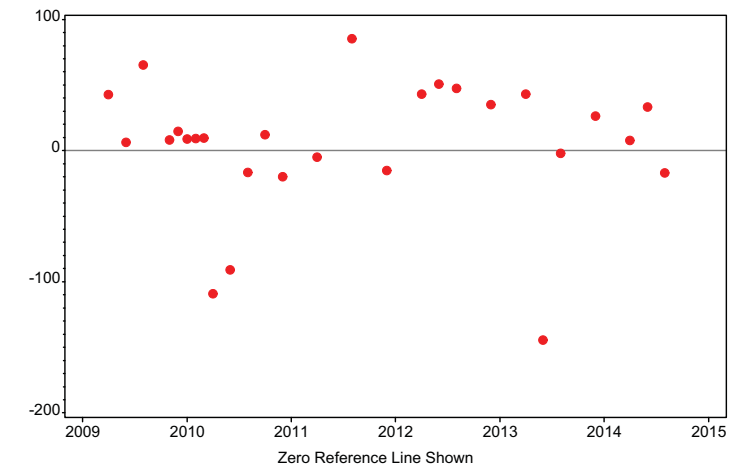
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16	0.461	0.618	-4.438

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16	0.46060	0.61827	-4.4375

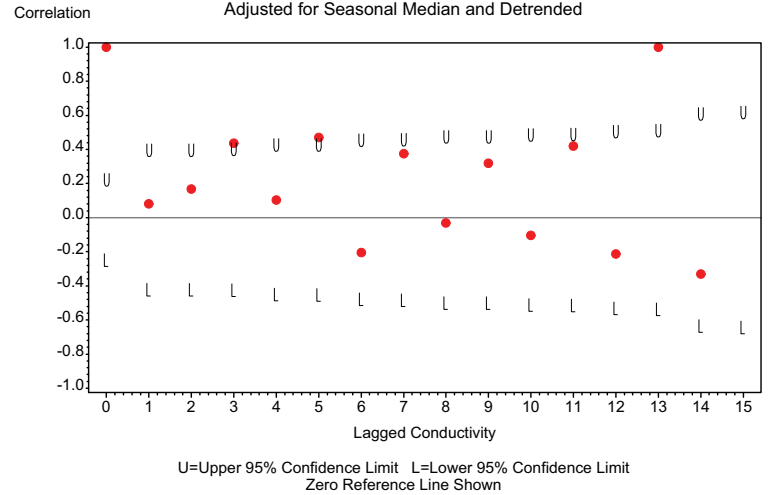
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



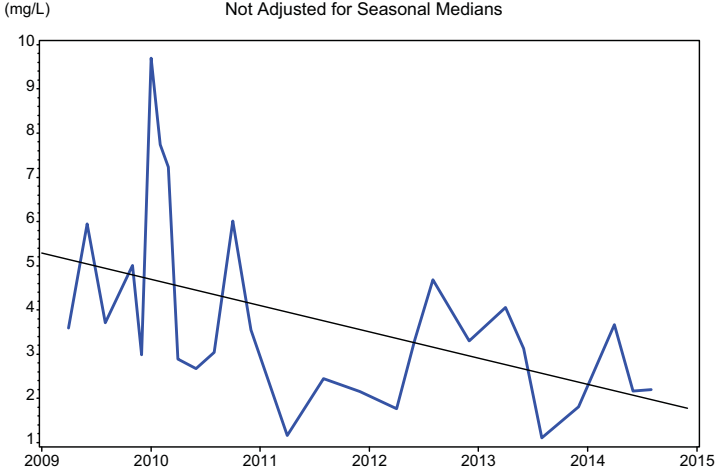
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.082	0.204	0.408	-0.408
2	0.167	0.205	0.409	-0.409
3	0.437	0.206	0.413	-0.413
4	0.103	0.219	0.438	-0.438
5	0.470	0.220	0.439	-0.439
6	-0.205	0.233	0.466	-0.466
7	0.376	0.236	0.471	-0.471
8	-0.031	0.244	0.488	-0.488
9	0.318	0.244	0.488	-0.488
10	-0.105	0.250	0.499	-0.499
11	0.419	0.250	0.500	-0.500
12	-0.214	0.260	0.519	-0.519
13	1.000	0.262	0.524	-0.524
14	-0.332	0.311	0.621	-0.621
15	.	0.316	0.631	-0.631

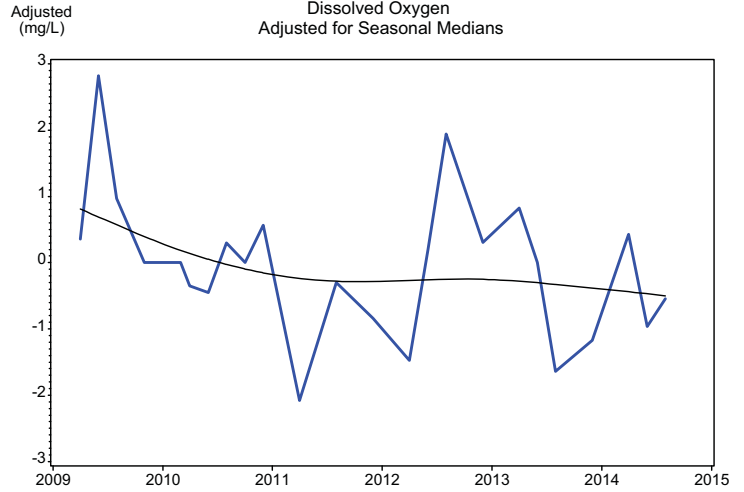
Corkscrew Swamp Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



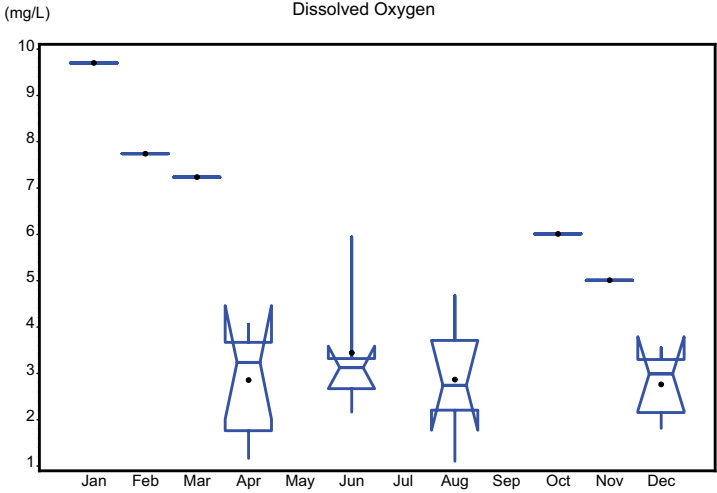
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



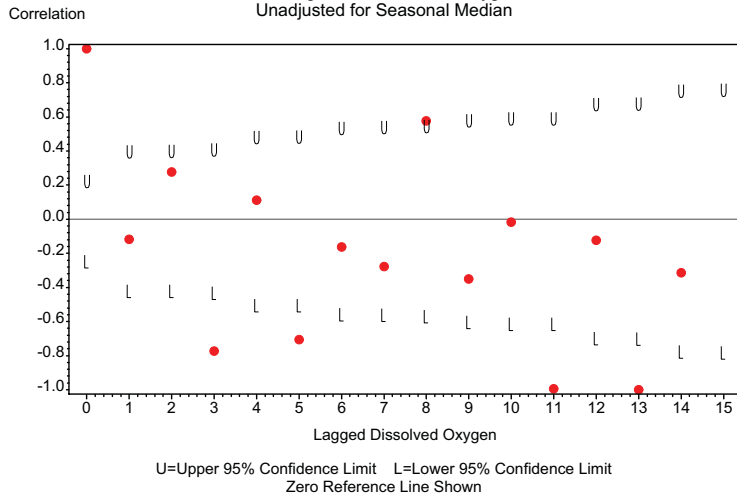
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.117	0.204	0.408	-0.408
2	0.276	0.205	0.410	-0.410
3	-0.772	0.210	0.420	-0.420
4	0.111	0.246	0.493	-0.493
5	-0.705	0.247	0.494	-0.494
6	-0.163	0.274	0.547	-0.547
7	-0.278	0.275	0.550	-0.550
8	0.575	0.279	0.558	-0.558
9	-0.350	0.295	0.590	-0.590
10	-0.018	0.301	0.601	-0.601
11	-0.994	0.301	0.601	-0.601
12	-0.123	0.343	0.686	-0.686
13	-1.000	0.344	0.688	-0.688
14	-0.313	0.382	0.764	-0.764
15	.	0.386	0.771	-0.771

Corkscrew Swamp Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



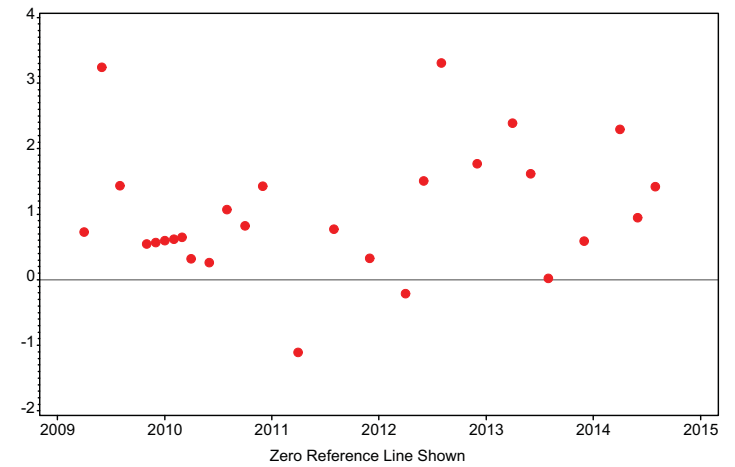
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.28	0.171	0.149	-0.298

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.28	0.17059	0.14945	-0.29768

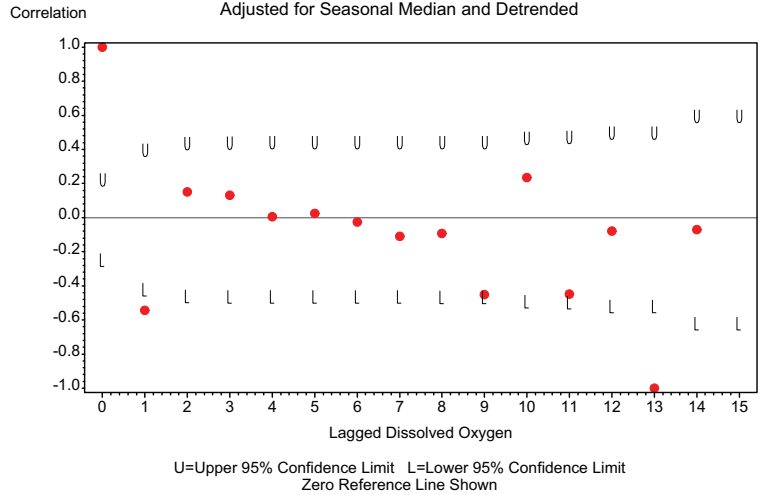
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



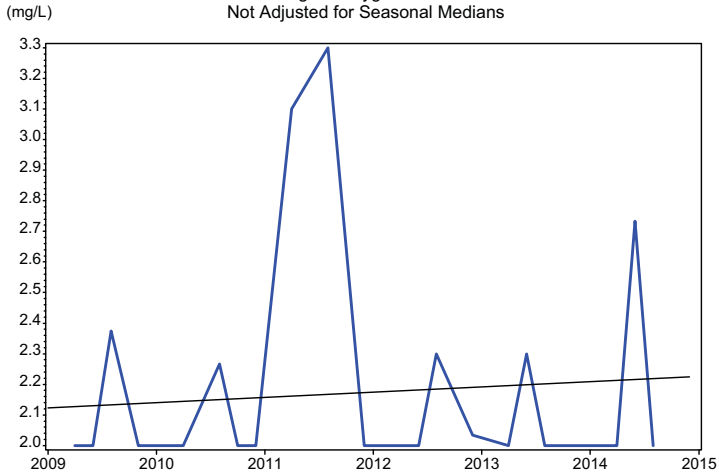
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.544	0.204	0.408	-0.408
2	0.150	0.223	0.447	-0.447
3	0.130	0.225	0.450	-0.450
4	0.006	0.226	0.452	-0.452
5	0.026	0.226	0.452	-0.452
6	-0.025	0.226	0.452	-0.452
7	-0.110	0.226	0.452	-0.452
8	-0.094	0.227	0.453	-0.453
9	-0.452	0.227	0.454	-0.454
10	0.235	0.239	0.479	-0.479
11	-0.449	0.243	0.485	-0.485
12	-0.079	0.254	0.508	-0.508
13	-1.000	0.254	0.508	-0.508
14	-0.071	0.304	0.608	-0.608
15	.	0.304	0.608	-0.608

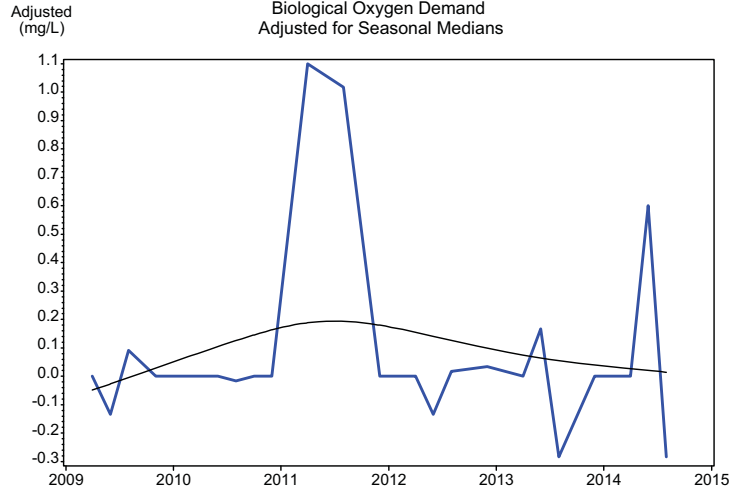
Corkscrew Swamp Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



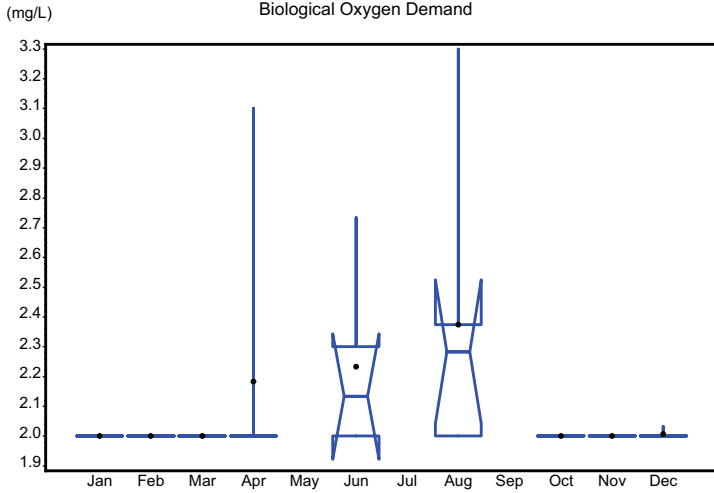
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



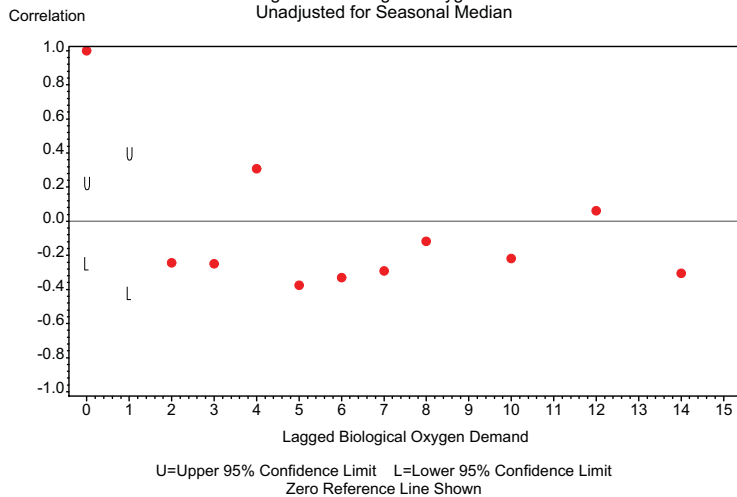
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	-0.244	.	.	.
3	-0.250	.	.	.
4	0.308	.	.	.
5	-0.375	.	.	.
6	-0.332	.	.	.
7	-0.293	.	.	.
8	-0.119	.	.	.
9	.	.	.	.
10	-0.219	.	.	.
11	.	.	.	.
12	0.060	.	.	.
13	.	.	.	.
14	-0.307	.	.	.
15	.	.	.	.

Corkscrew Swamp Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



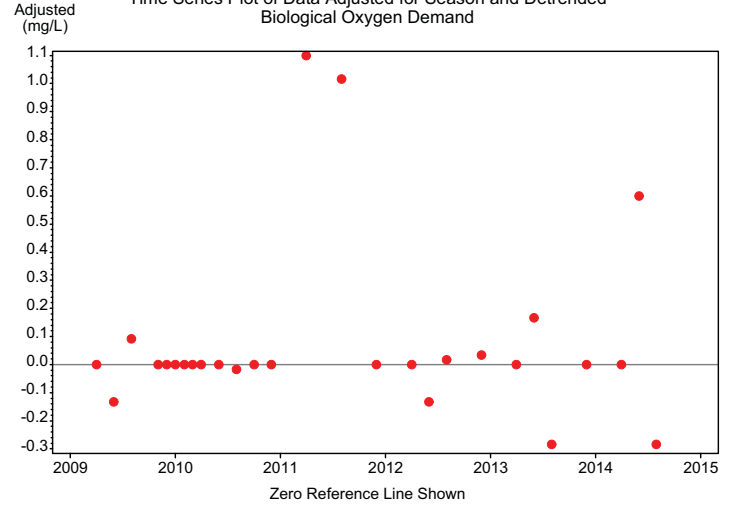
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

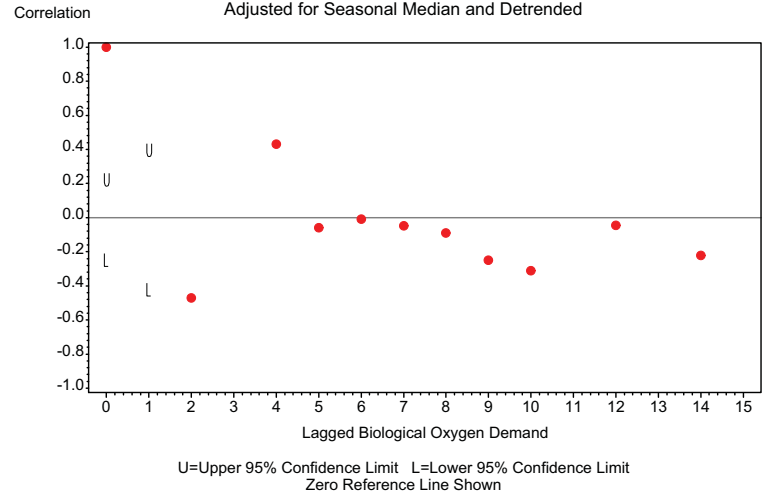
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



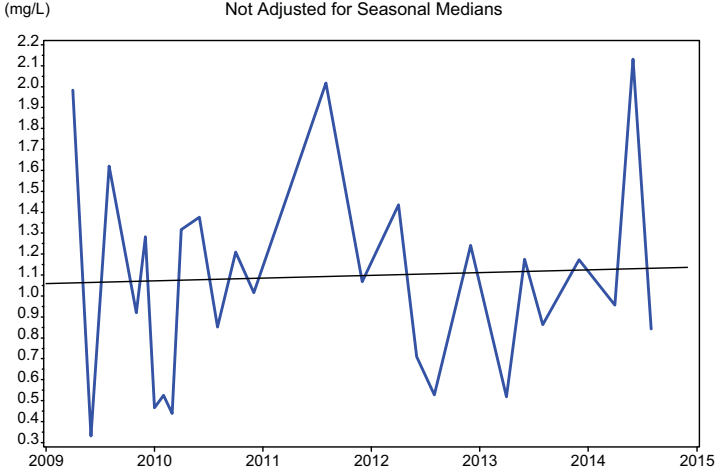
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	-0.472	.	.	.
3	.	.	.	.
4	0.430	.	.	.
5	-0.058	.	.	.
6	-0.008	.	.	.
7	-0.047	.	.	.
8	-0.090	.	.	.
9	-0.250	.	.	.
10	-0.312	.	.	.
11	.	.	.	.
12	-0.045	.	.	.
13	.	.	.	.
14	-0.221	.	.	.
15	.	.	.	.

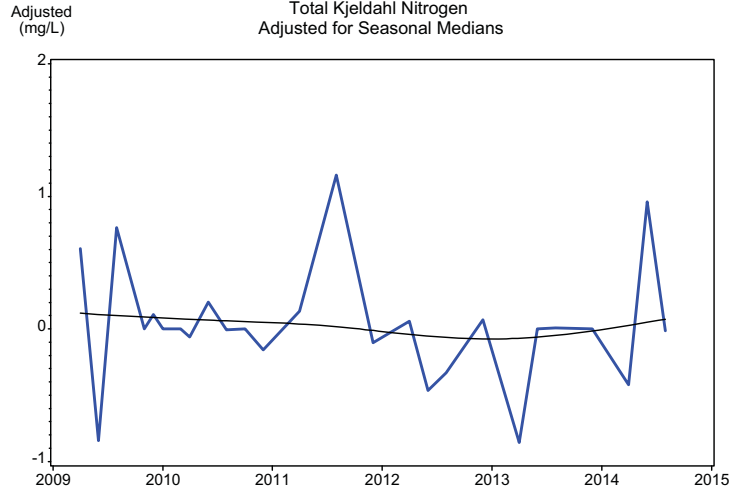
Corkscrew Swamp Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



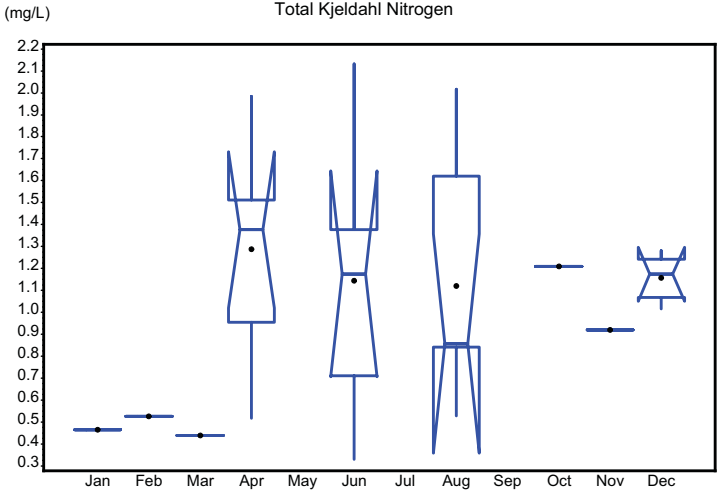
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



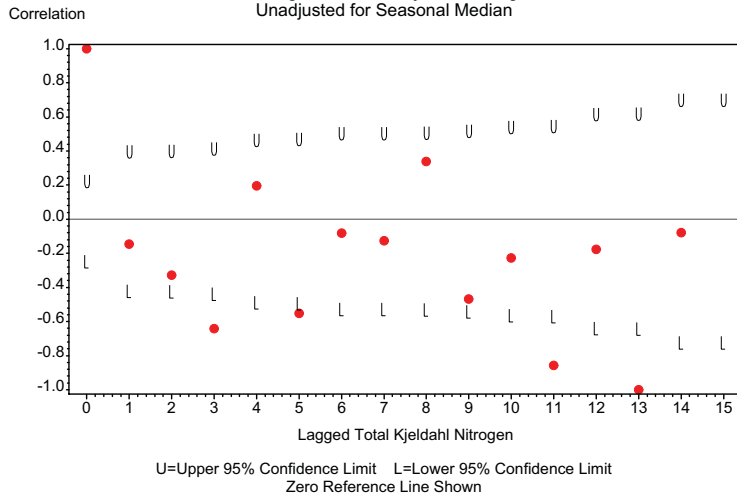
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.146	0.204	0.408	-0.408
2	-0.329	0.206	0.411	-0.411
3	-0.643	0.213	0.426	-0.426
4	0.196	0.238	0.476	-0.476
5	-0.552	0.240	0.481	-0.481
6	-0.081	0.257	0.515	-0.515
7	-0.127	0.258	0.516	-0.516
8	0.338	0.259	0.517	-0.517
9	-0.469	0.265	0.530	-0.530
10	-0.226	0.276	0.552	-0.552
11	-0.858	0.279	0.557	-0.557
12	-0.178	0.313	0.626	-0.626
13	-1.000	0.315	0.629	-0.629
14	-0.080	0.356	0.712	-0.712
15	.	0.356	0.712	-0.712

Corkscrew Swamp Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



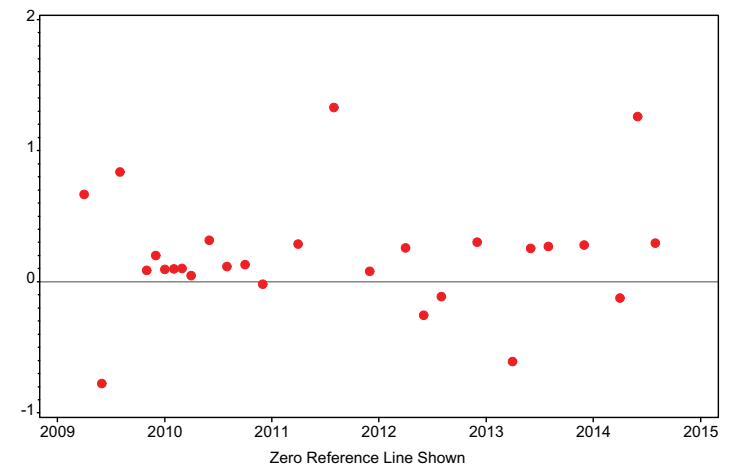
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16	0.461	0.371	-0.047

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16	0.46060	0.37142	-0.047167

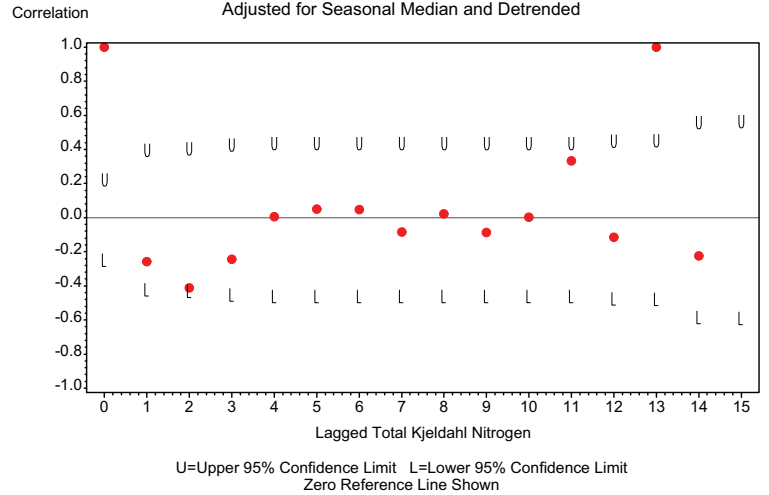
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



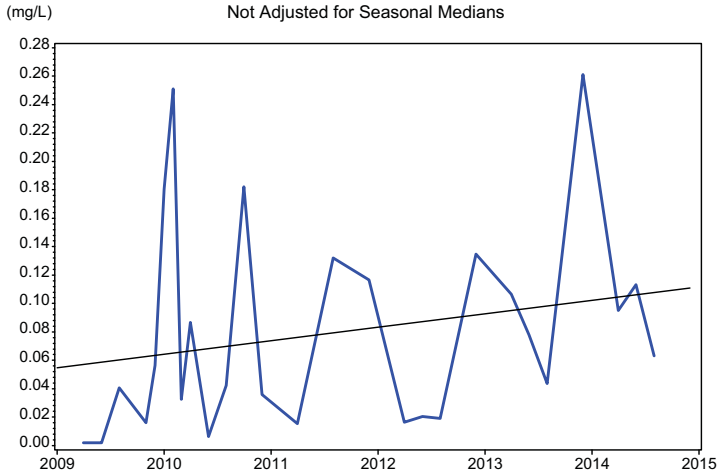
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.257	0.204	0.408	-0.408
2	-0.412	0.209	0.417	-0.417
3	-0.244	0.220	0.439	-0.439
4	0.004	0.223	0.447	-0.447
5	0.050	0.223	0.447	-0.447
6	0.046	0.223	0.447	-0.447
7	-0.084	0.224	0.447	-0.447
8	0.022	0.224	0.448	-0.448
9	-0.088	0.224	0.448	-0.448
10	0.002	0.225	0.449	-0.449
11	0.332	0.225	0.449	-0.449
12	-0.114	0.231	0.463	-0.463
13	1.000	0.232	0.464	-0.464
14	-0.224	0.286	0.571	-0.571
15	.	0.288	0.576	-0.576

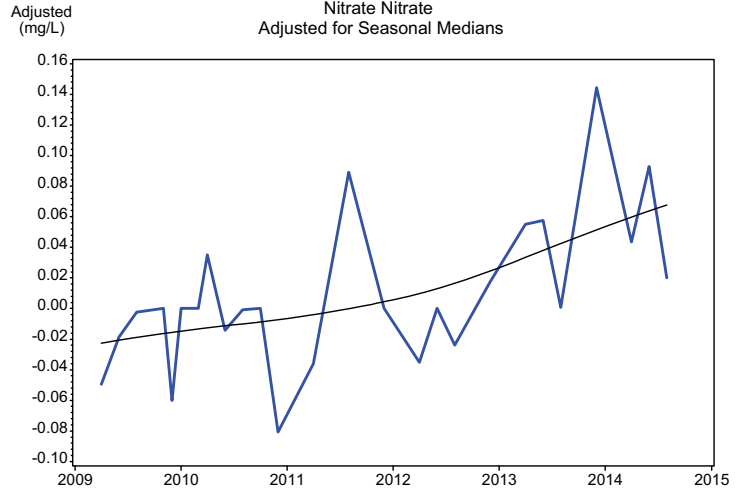
Corkscrew Swamp Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



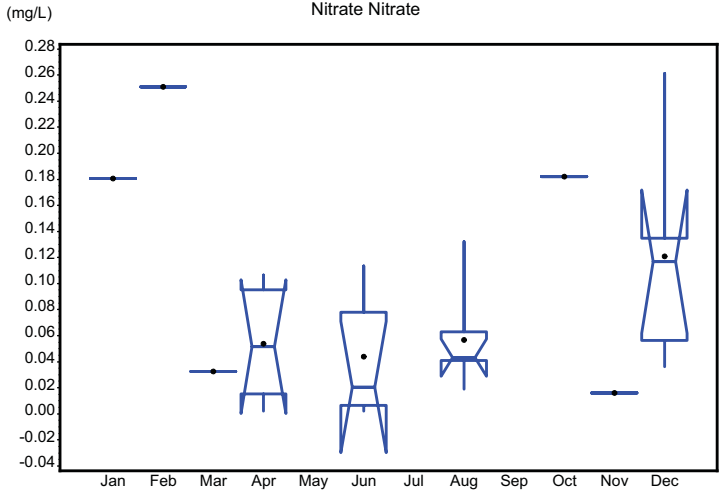
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



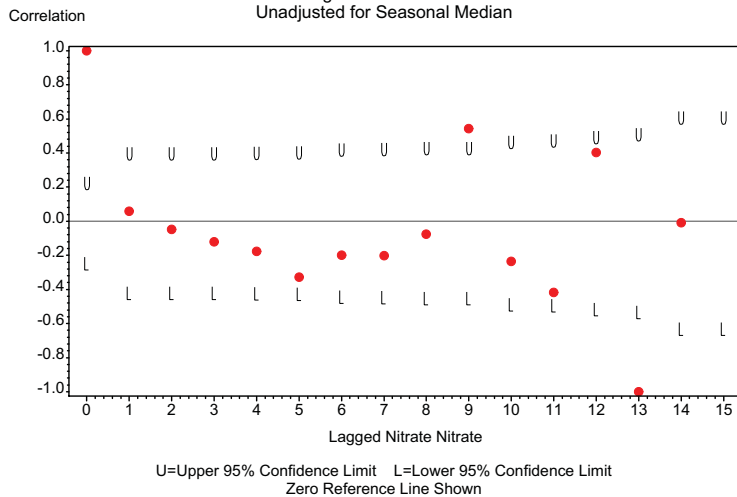
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.059	0.204	0.408	-0.408
2	-0.047	0.204	0.409	-0.409
3	-0.122	0.205	0.409	-0.409
4	-0.177	0.206	0.411	-0.411
5	-0.329	0.208	0.415	-0.415
6	-0.199	0.215	0.430	-0.430
7	-0.201	0.217	0.435	-0.435
8	-0.077	0.220	0.440	-0.440
9	0.544	0.220	0.440	-0.440
10	-0.236	0.238	0.476	-0.476
11	-0.419	0.241	0.483	-0.483
12	0.402	0.251	0.503	-0.503
13	-1.000	0.260	0.520	-0.520
14	-0.008	0.309	0.618	-0.618
15	.	0.309	0.618	-0.618

Corkscrew Swamp Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



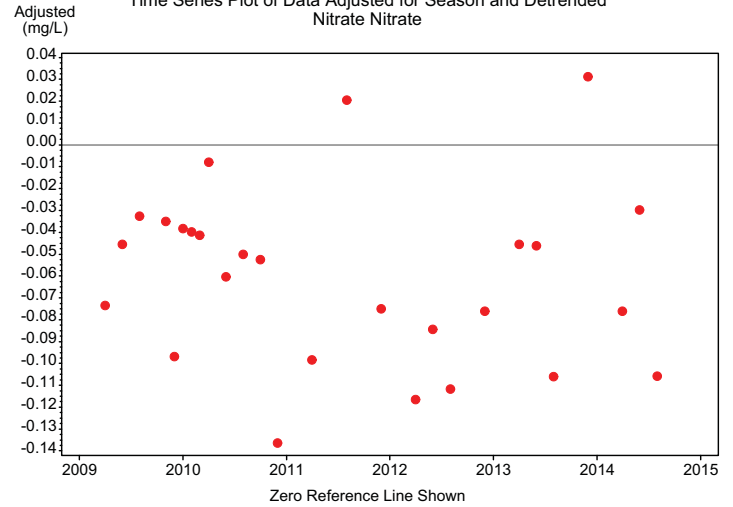
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.64	.001	0.027	0.019

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.64	.00108433	0.027329	0.019125

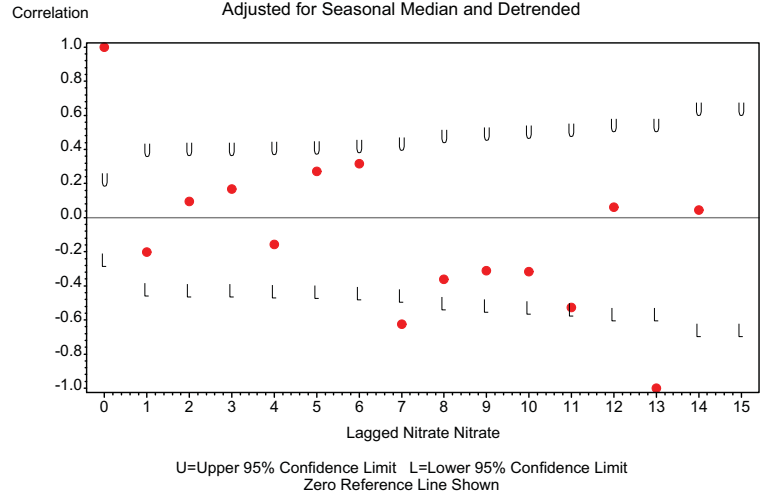
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



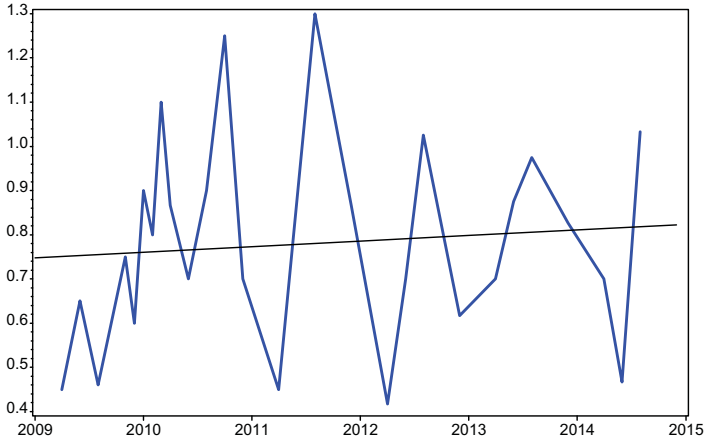
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.201	0.204	0.408	-0.408
2	0.094	0.207	0.414	-0.414
3	0.167	0.207	0.415	-0.415
4	-0.158	0.209	0.419	-0.419
5	0.272	0.211	0.422	-0.422
6	0.316	0.216	0.432	-0.432
7	-0.625	0.222	0.444	-0.444
8	-0.361	0.245	0.491	-0.491
9	-0.310	0.253	0.505	-0.505
10	-0.318	0.258	0.516	-0.516
11	-0.528	0.263	0.526	-0.526
12	0.062	0.278	0.555	-0.555
13	-1.000	0.278	0.555	-0.555
14	0.043	0.324	0.648	-0.648
15	.	0.324	0.648	-0.648

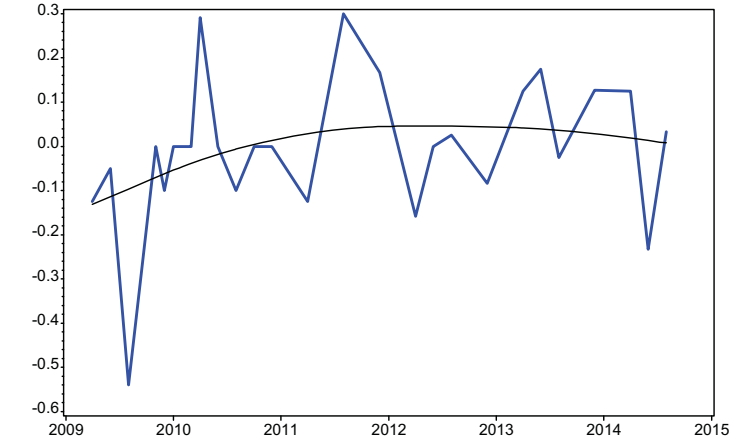
Corkscrew Swamp Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



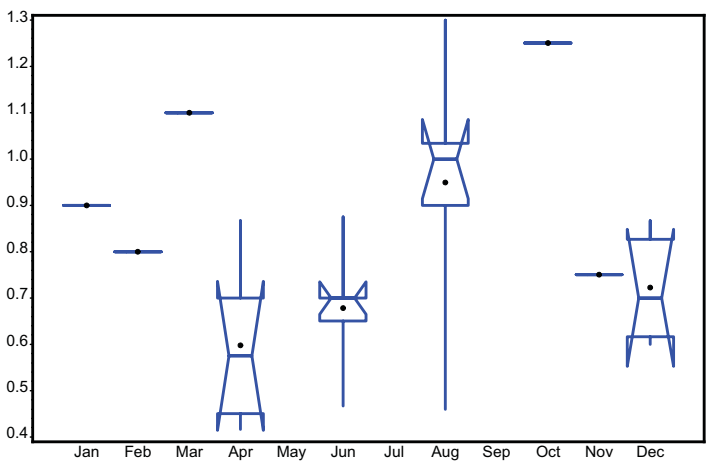
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



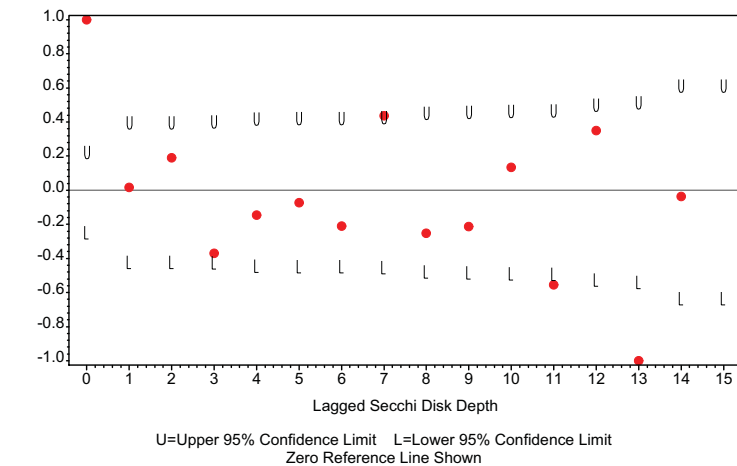
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.015	0.204	0.408	-0.408
2	0.190	0.204	0.408	-0.408
3	-0.371	0.207	0.413	-0.413
4	-0.147	0.216	0.431	-0.431
5	-0.073	0.217	0.434	-0.434
6	-0.210	0.217	0.435	-0.435
7	0.436	0.220	0.440	-0.440
8	-0.252	0.232	0.464	-0.464
9	-0.214	0.236	0.471	-0.471
10	0.133	0.238	0.477	-0.477
11	-0.556	0.239	0.479	-0.479
12	0.349	0.257	0.513	-0.513
13	-1.000	0.263	0.526	-0.526
14	-0.038	0.312	0.623	-0.623
15	.	0.312	0.623	-0.623

Corkscrew Swamp Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



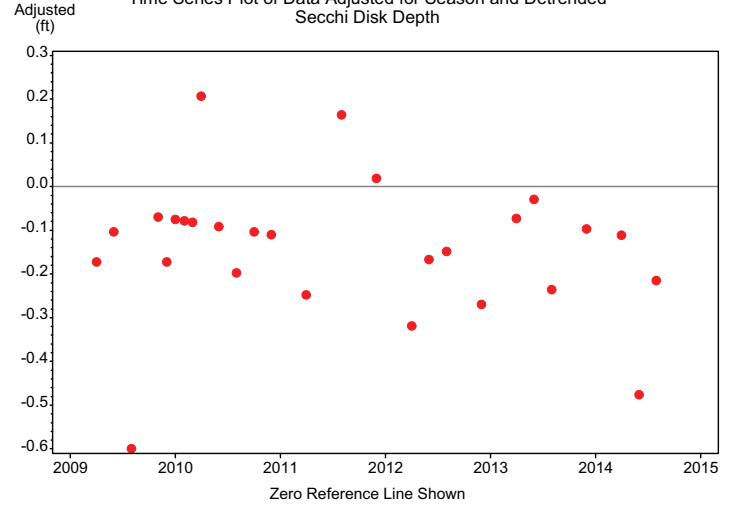
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.26	0.198	0.277	0.038

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.26	0.19826	0.27663	0.037792

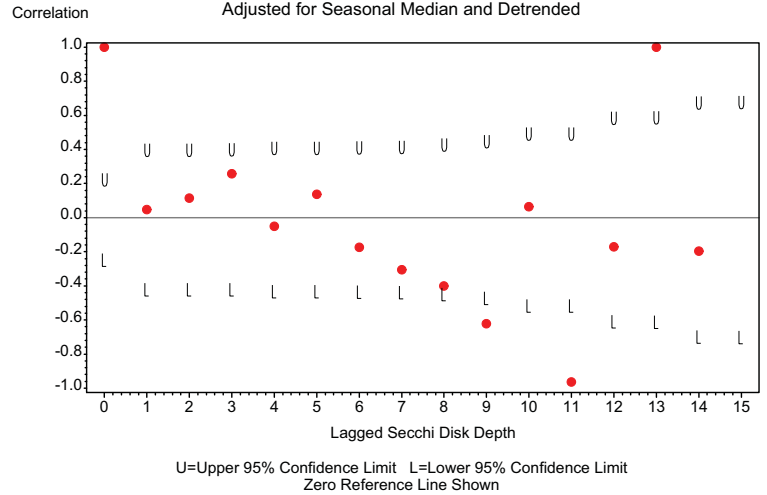
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



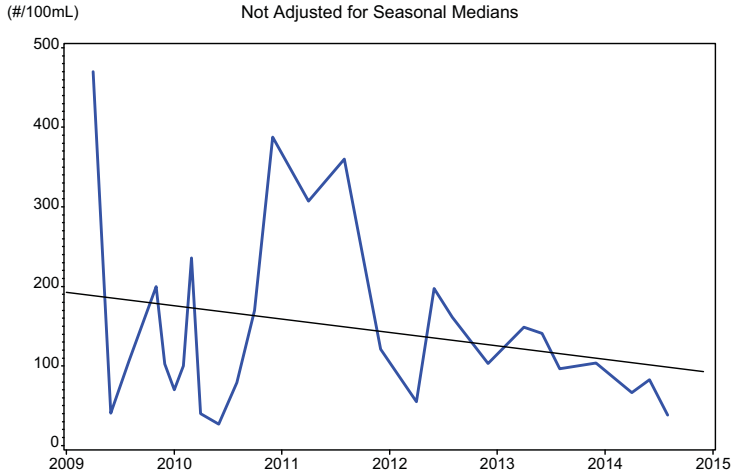
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.046	0.204	0.408	-0.408
2	0.113	0.204	0.409	-0.409
3	0.257	0.205	0.410	-0.410
4	-0.051	0.210	0.419	-0.419
5	0.137	0.210	0.419	-0.419
6	-0.174	0.211	0.422	-0.422
7	-0.307	0.213	0.426	-0.426
8	-0.400	0.219	0.438	-0.438
9	-0.622	0.229	0.458	-0.458
10	0.065	0.251	0.503	-0.503
11	-0.964	0.252	0.503	-0.503
12	-0.171	0.299	0.597	-0.597
13	1.000	0.300	0.600	-0.600
14	-0.196	0.343	0.686	-0.686
15	.	0.345	0.689	-0.689

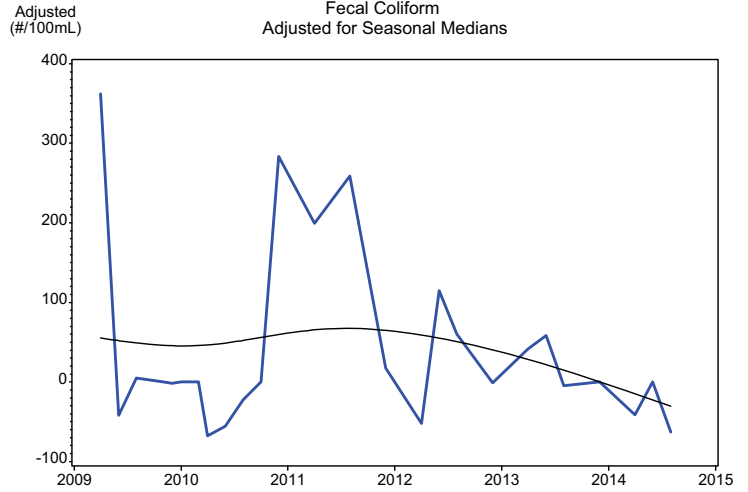
Corkscrew Swamp Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



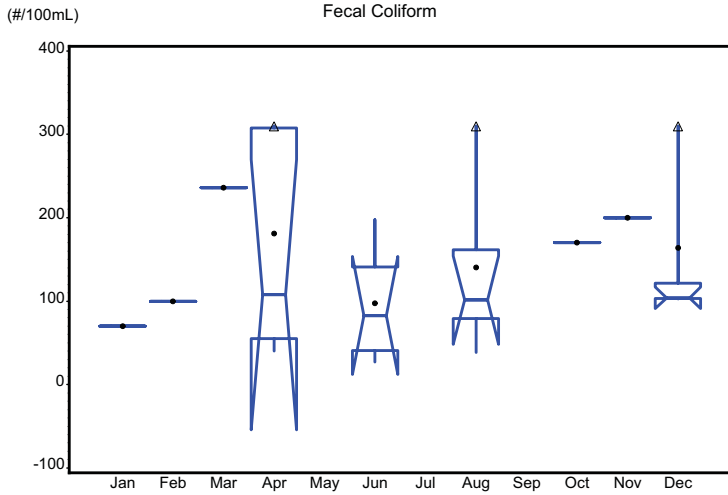
Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Corkscrew Swamp Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



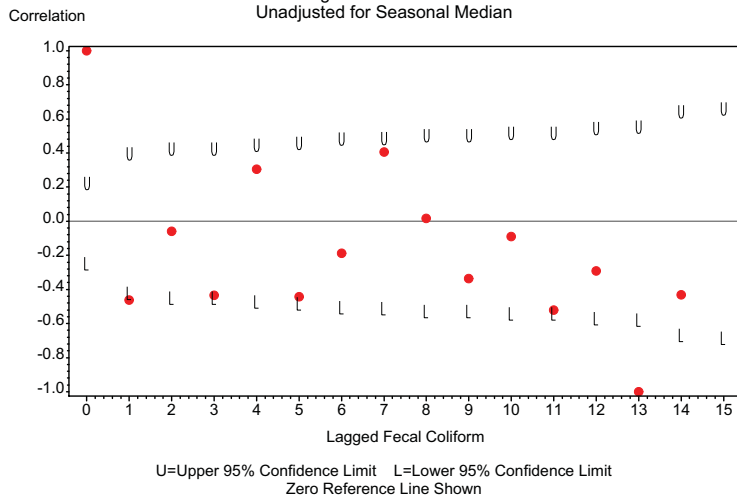
Corkscrew Swamp Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Corkscrew Swamp Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.463	0.204	0.408	-0.408
2	-0.059	0.218	0.436	-0.436
3	-0.435	0.218	0.437	-0.437
4	0.306	0.230	0.460	-0.460
5	-0.443	0.236	0.471	-0.471
6	-0.189	0.247	0.494	-0.494
7	0.406	0.249	0.498	-0.498
8	0.015	0.258	0.516	-0.516
9	-0.336	0.258	0.516	-0.516
10	-0.090	0.264	0.528	-0.528
11	-0.521	0.265	0.529	-0.529
12	-0.292	0.278	0.557	-0.557
13	-1.000	0.283	0.565	-0.565
14	-0.432	0.328	0.656	-0.656
15	.	0.336	0.672	-0.672

Corkscrew Swamp Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



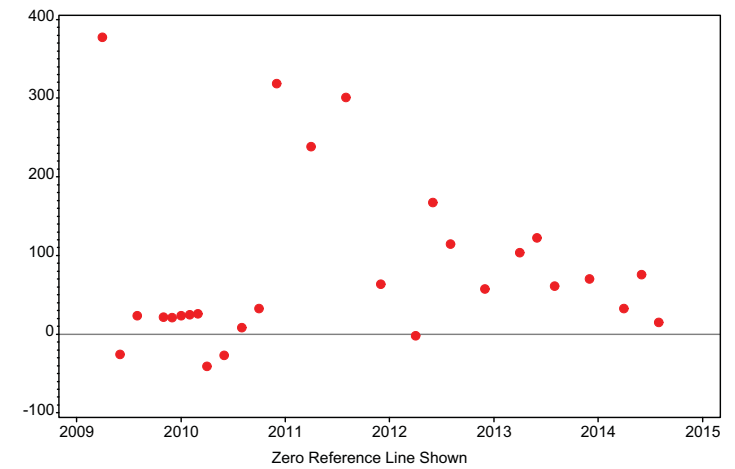
Corkscrew Swamp Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12	0.598	0.591	-11.833

Corkscrew Swamp Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12	0.59816	0.59121	-11.8334

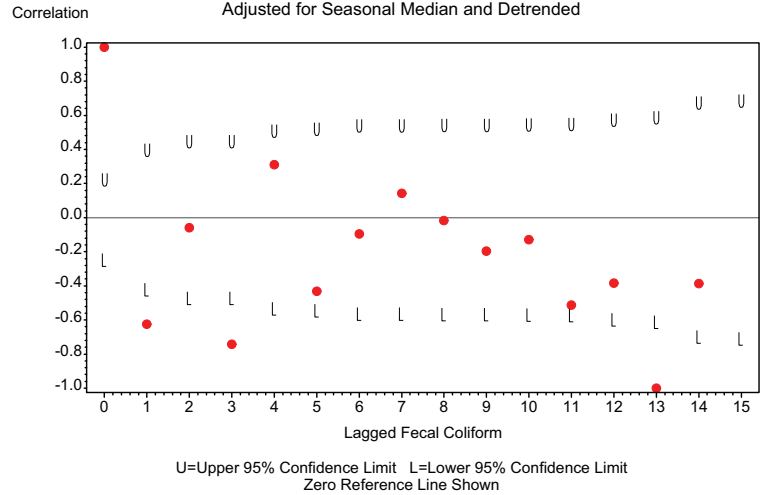
Corkscrew Swamp Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



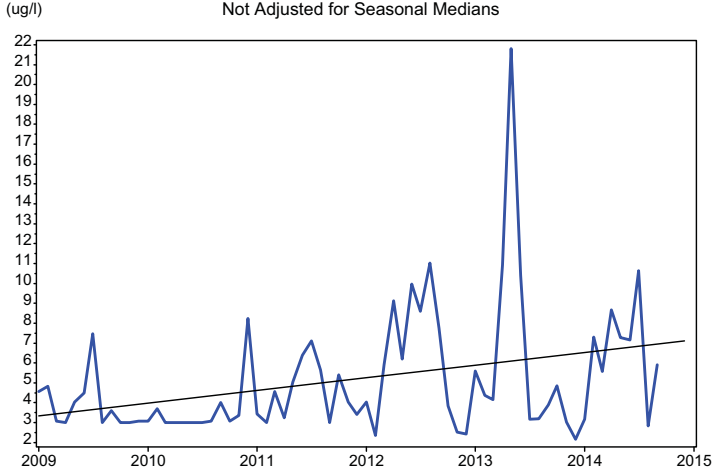
Corkscrew Swamp Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.626	0.204	0.408	-0.408
2	-0.058	0.229	0.459	-0.459
3	-0.742	0.229	0.459	-0.459
4	0.310	0.261	0.521	-0.521
5	-0.431	0.266	0.531	-0.531
6	-0.095	0.275	0.551	-0.551
7	0.143	0.276	0.551	-0.551
8	-0.017	0.277	0.554	-0.554
9	-0.196	0.277	0.554	-0.554
10	-0.130	0.279	0.557	-0.557
11	-0.514	0.280	0.559	-0.559
12	-0.383	0.292	0.585	-0.585
13	-1.000	0.299	0.598	-0.598
14	-0.388	0.343	0.685	-0.685
15	.	0.349	0.697	-0.697

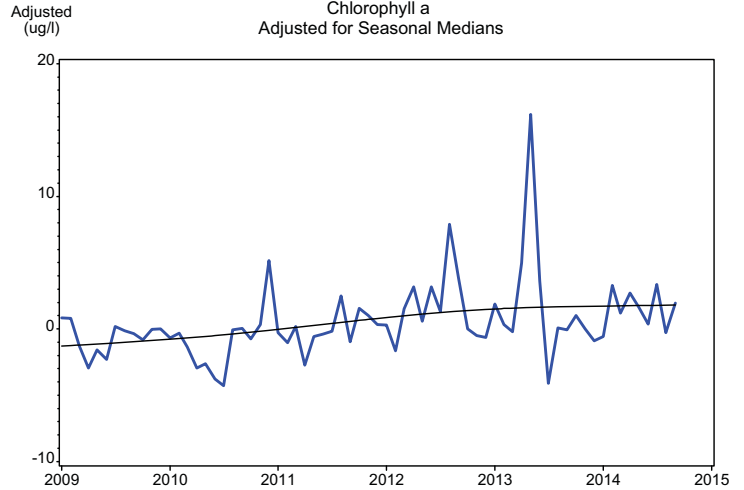
Corkscrew Swamp Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



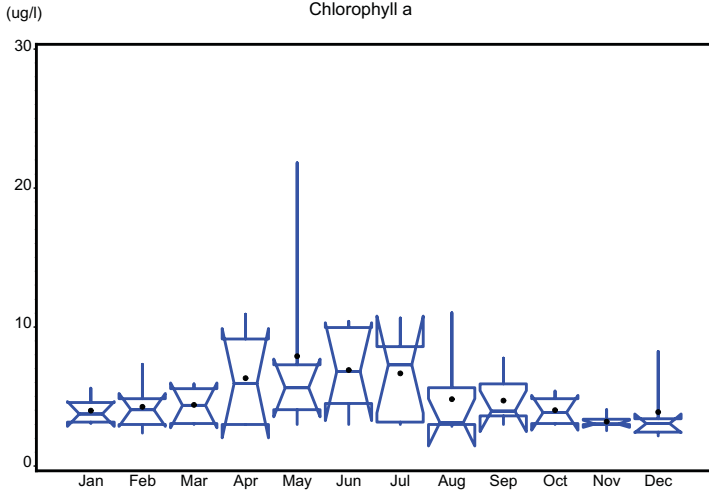
Faka Union North Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



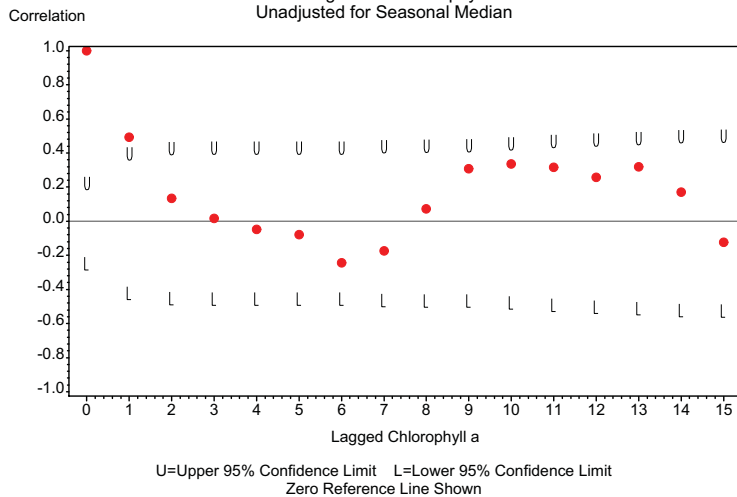
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Faka Union North Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.492	0.204	0.408	-0.408
2	0.133	0.220	0.440	-0.440
3	0.015	0.221	0.442	-0.442
4	-0.049	0.221	0.442	-0.442
5	-0.080	0.221	0.443	-0.443
6	-0.243	0.222	0.443	-0.443
7	-0.175	0.225	0.451	-0.451
8	0.071	0.227	0.454	-0.454
9	0.307	0.228	0.455	-0.455
10	0.336	0.233	0.466	-0.466
11	0.315	0.240	0.480	-0.480
12	0.257	0.246	0.491	-0.491
13	0.320	0.249	0.498	-0.498
14	0.171	0.255	0.510	-0.510
15	-0.124	0.256	0.513	-0.513

Faka Union North Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



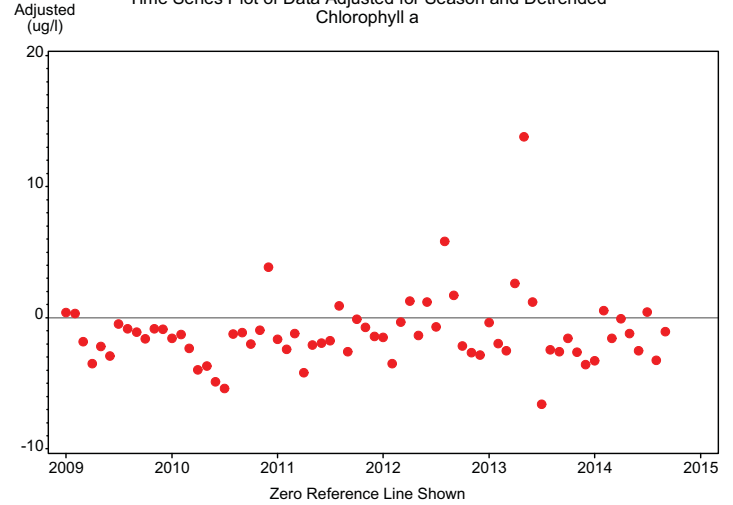
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.303	.005	0.053	0.45

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.30303	.00494862	0.053129	0.45

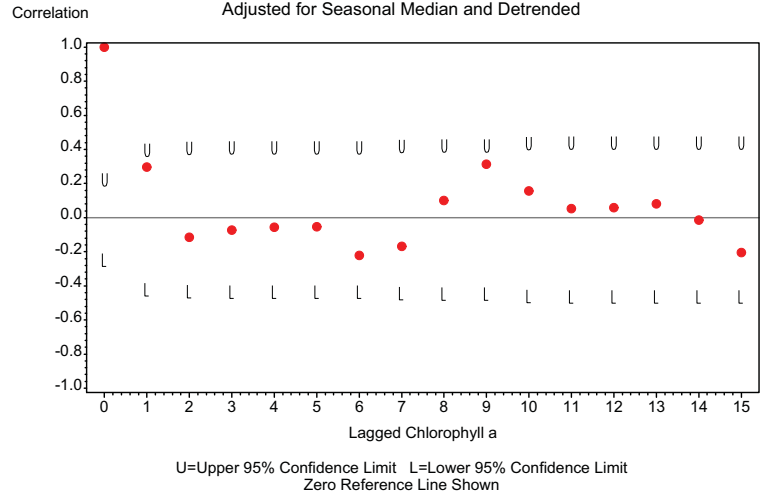
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



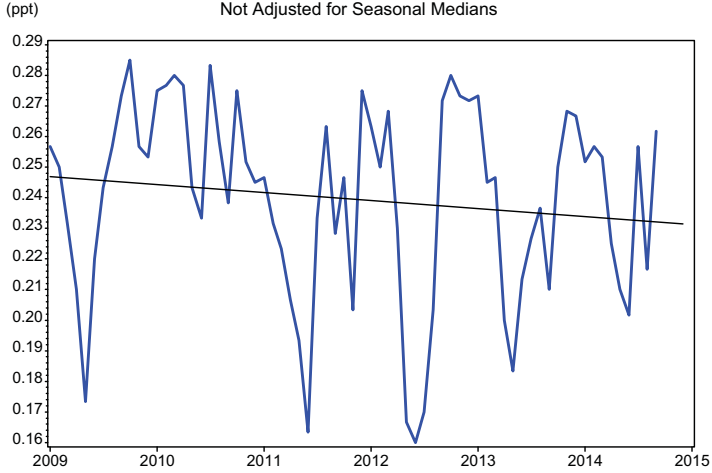
Faka Union North Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.296	0.204	0.408	-0.408
2	-0.115	0.210	0.420	-0.420
3	-0.074	0.211	0.422	-0.422
4	-0.056	0.211	0.422	-0.422
5	-0.053	0.211	0.423	-0.423
6	-0.222	0.212	0.423	-0.423
7	-0.168	0.215	0.430	-0.430
8	0.099	0.217	0.433	-0.433
9	0.312	0.217	0.435	-0.435
10	0.157	0.223	0.447	-0.447
11	0.053	0.225	0.450	-0.450
12	0.057	0.225	0.450	-0.450
13	0.081	0.225	0.451	-0.451
14	-0.014	0.226	0.451	-0.451
15	-0.204	0.226	0.451	-0.451

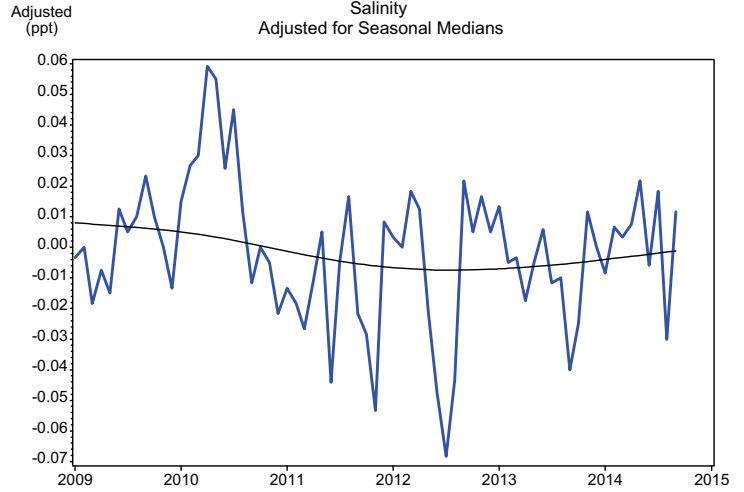
Faka Union North Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



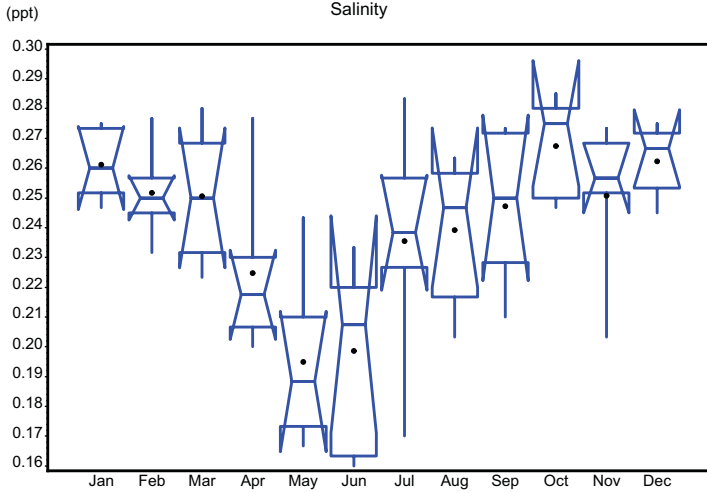
Faka Union North Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



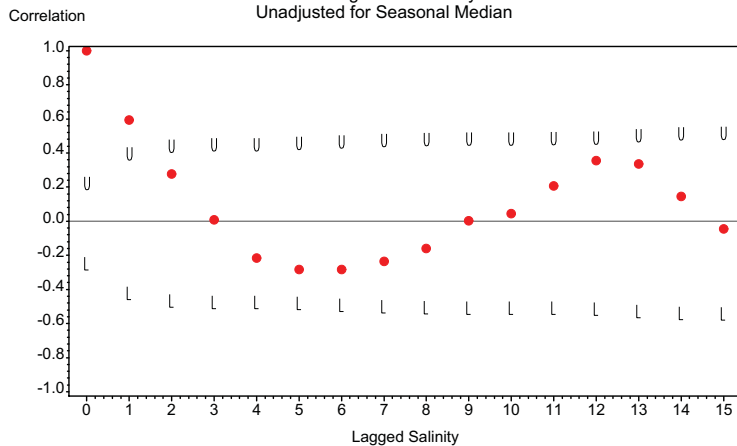
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Salinity



Faka Union North Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.594	0.204	0.408	-0.408
2	0.277	0.227	0.454	-0.454
3	0.008	0.231	0.463	-0.463
4	-0.217	0.231	0.463	-0.463
5	-0.284	0.234	0.469	-0.469
6	-0.282	0.239	0.478	-0.478
7	-0.236	0.244	0.487	-0.487
8	-0.159	0.247	0.493	-0.493
9	0.002	0.248	0.496	-0.496
10	0.044	0.248	0.496	-0.496
11	0.206	0.248	0.497	-0.497
12	0.355	0.251	0.501	-0.501
13	0.336	0.258	0.515	-0.515
14	0.145	0.264	0.527	-0.527
15	-0.046	0.265	0.529	-0.529

Faka Union North Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

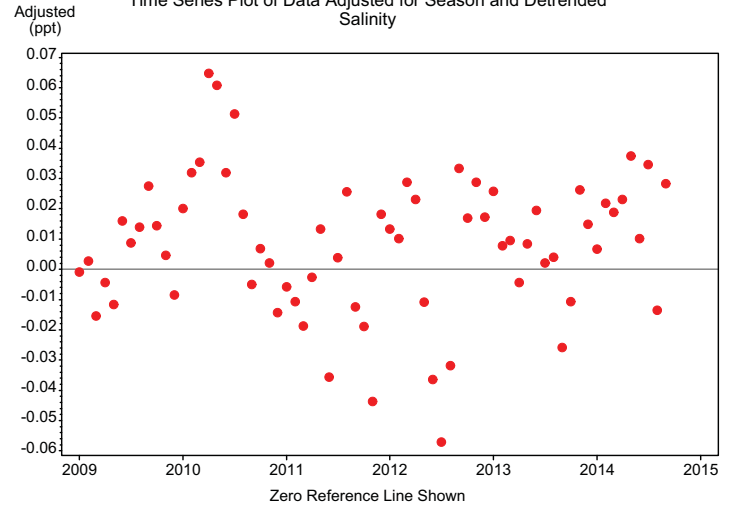
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.121	0.276	0.47	-0.003

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12121	0.27583	0.47034	-0.0025

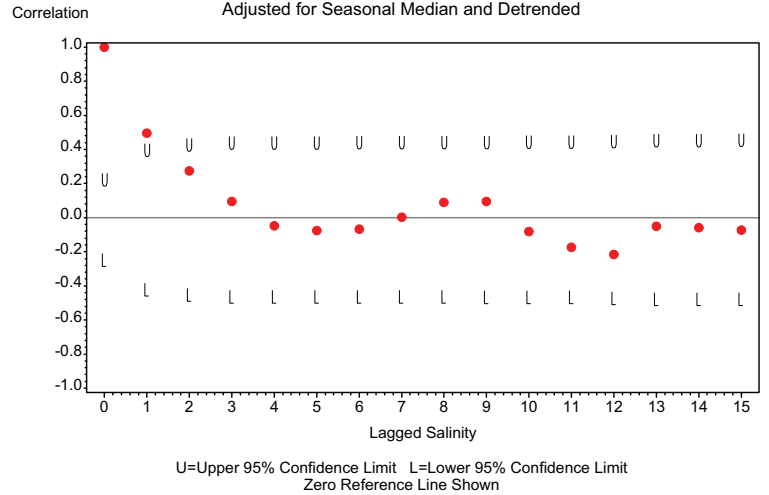
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



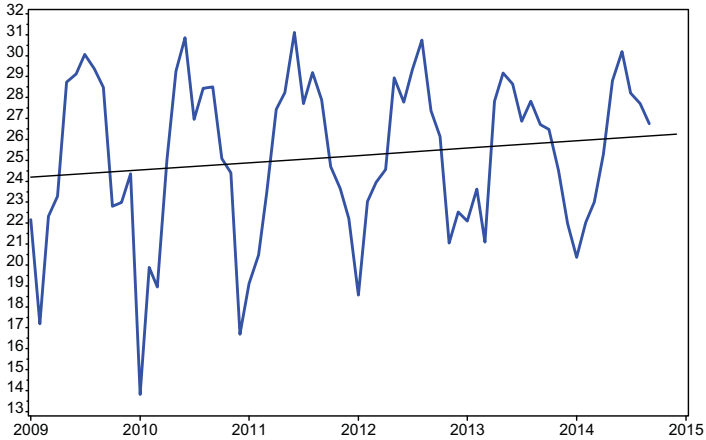
Faka Union North Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.496	0.204	0.408	-0.408
2	0.275	0.220	0.440	-0.440
3	0.094	0.225	0.450	-0.450
4	-0.048	0.225	0.451	-0.451
5	-0.076	0.226	0.451	-0.451
6	-0.068	0.226	0.452	-0.452
7	0.002	0.226	0.452	-0.452
8	0.089	0.226	0.452	-0.452
9	0.096	0.227	0.453	-0.453
10	-0.081	0.227	0.455	-0.455
11	-0.174	0.228	0.455	-0.455
12	-0.217	0.230	0.459	-0.459
13	-0.052	0.232	0.465	-0.465
14	-0.060	0.233	0.465	-0.465
15	-0.073	0.233	0.466	-0.466

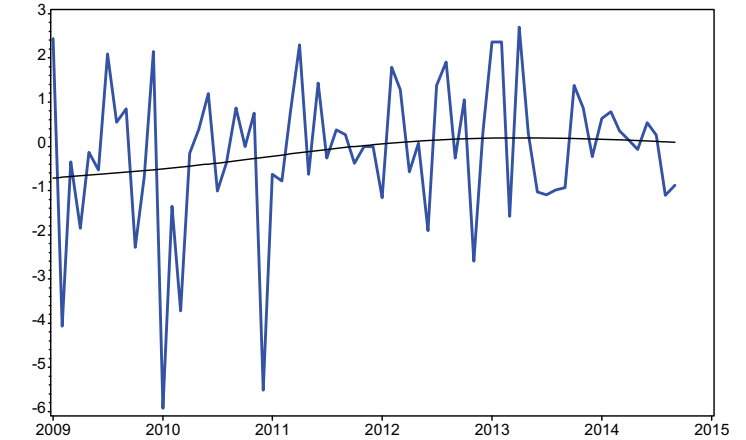
Faka Union North Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



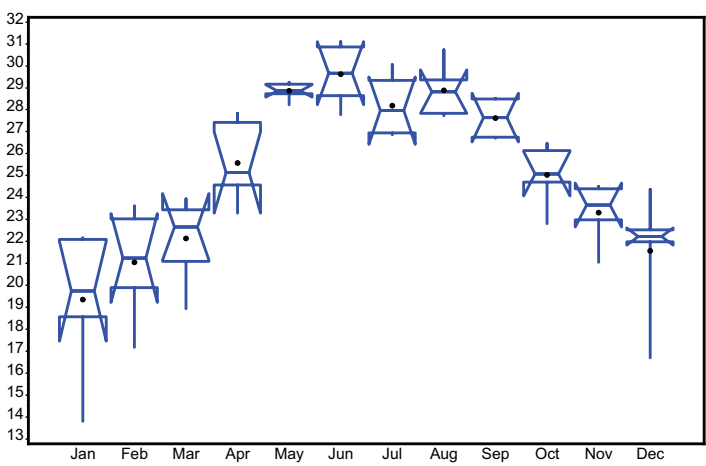
Faka Union North Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



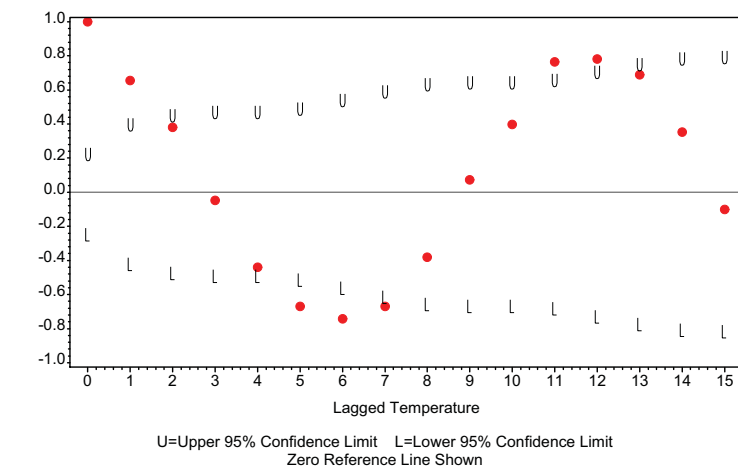
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Temperature



Faka Union North Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.655	0.204	0.408	-0.408
2	0.379	0.232	0.463	-0.463
3	-0.049	0.240	0.480	-0.480
4	-0.439	0.240	0.480	-0.480
5	-0.671	0.251	0.502	-0.502
6	-0.743	0.275	0.550	-0.550
7	-0.671	0.301	0.603	-0.603
8	-0.381	0.321	0.643	-0.643
9	0.073	0.328	0.655	-0.655
10	0.397	0.328	0.656	-0.656
11	0.765	0.335	0.669	-0.669
12	0.780	0.358	0.716	-0.716
13	0.688	0.381	0.762	-0.762
14	0.352	0.398	0.796	-0.796
15	-0.101	0.402	0.804	-0.804

Faka Union North Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



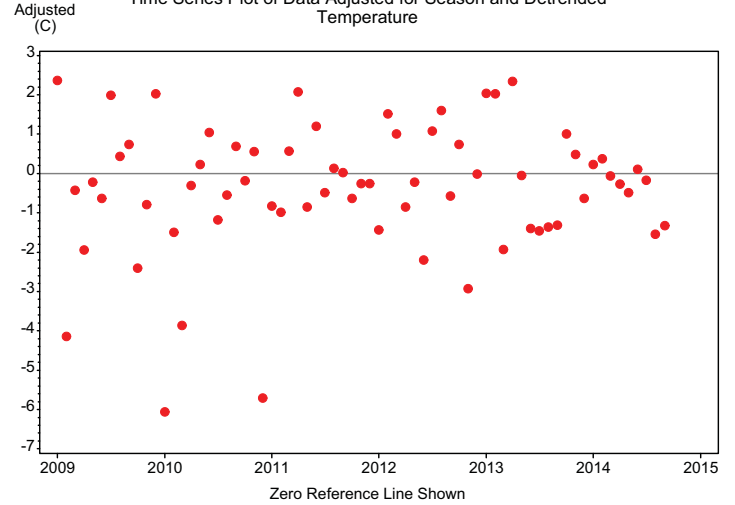
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.647	0.266	0.067

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.64690	0.26572	0.066667

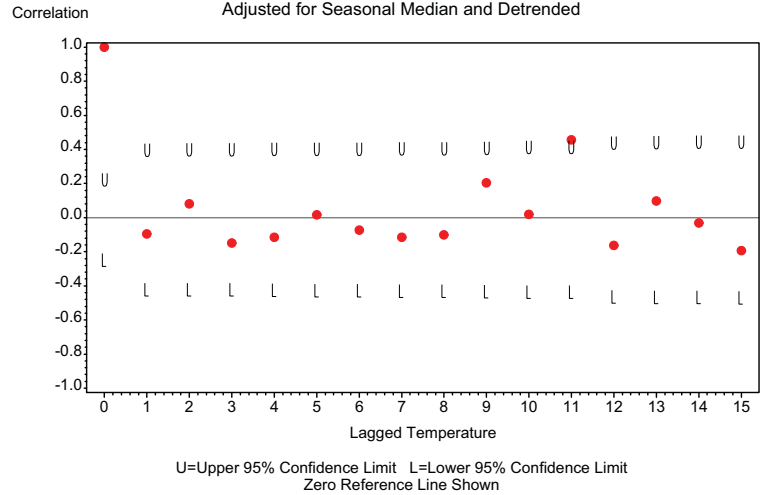
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



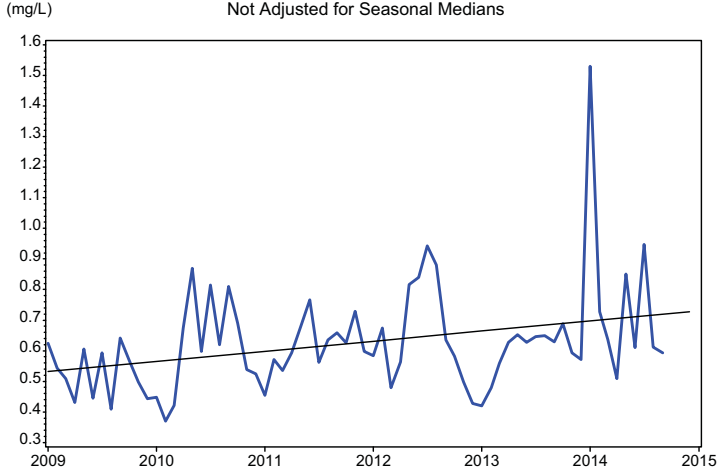
Faka Union North Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.097	0.204	0.408	-0.408
2	0.081	0.205	0.410	-0.410
3	-0.148	0.205	0.410	-0.410
4	-0.116	0.207	0.413	-0.413
5	0.016	0.208	0.415	-0.415
6	-0.072	0.208	0.415	-0.415
7	-0.114	0.208	0.416	-0.416
8	-0.102	0.209	0.418	-0.418
9	0.203	0.210	0.419	-0.419
10	0.019	0.212	0.424	-0.424
11	0.457	0.212	0.424	-0.424
12	-0.163	0.226	0.451	-0.451
13	0.098	0.227	0.454	-0.454
14	-0.030	0.228	0.455	-0.455
15	-0.195	0.228	0.456	-0.456

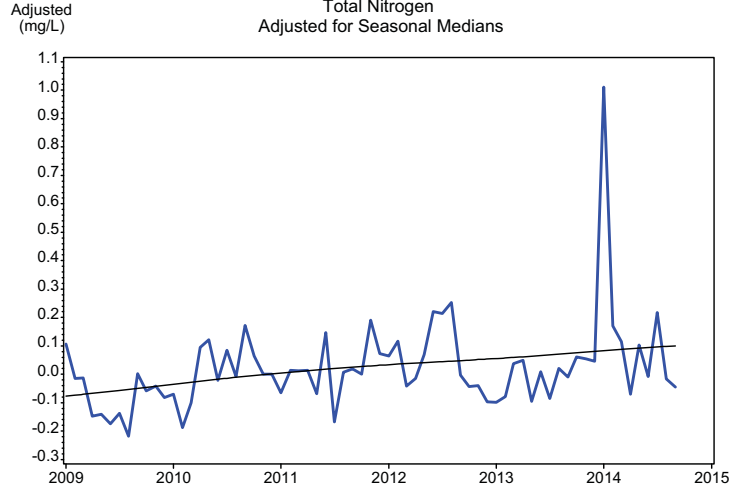
Faka Union North Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



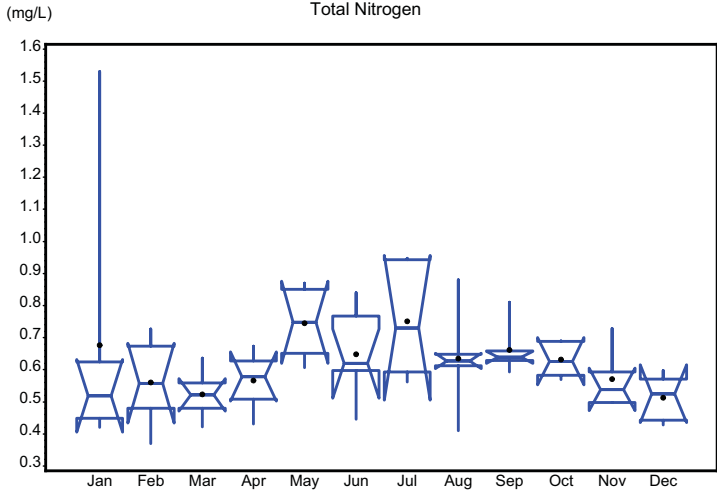
Faka Union North Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



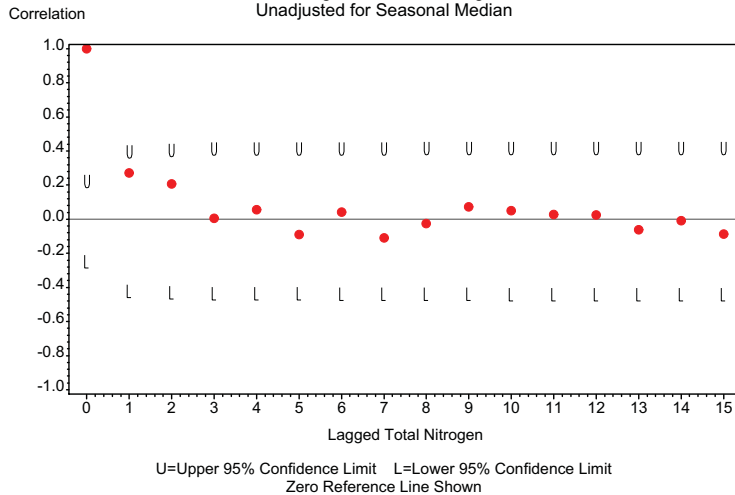
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Faka Union North Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.272	0.204	0.408	-0.408
2	0.206	0.209	0.418	-0.418
3	0.004	0.212	0.424	-0.424
4	0.055	0.212	0.424	-0.424
5	-0.090	0.212	0.424	-0.424
6	0.041	0.213	0.425	-0.425
7	-0.111	0.213	0.425	-0.425
8	-0.025	0.214	0.427	-0.427
9	0.073	0.214	0.427	-0.427
10	0.049	0.214	0.428	-0.428
11	0.028	0.214	0.428	-0.428
12	0.026	0.214	0.428	-0.428
13	-0.063	0.214	0.428	-0.428
14	-0.010	0.214	0.429	-0.429
15	-0.087	0.214	0.429	-0.429

Faka Union North Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



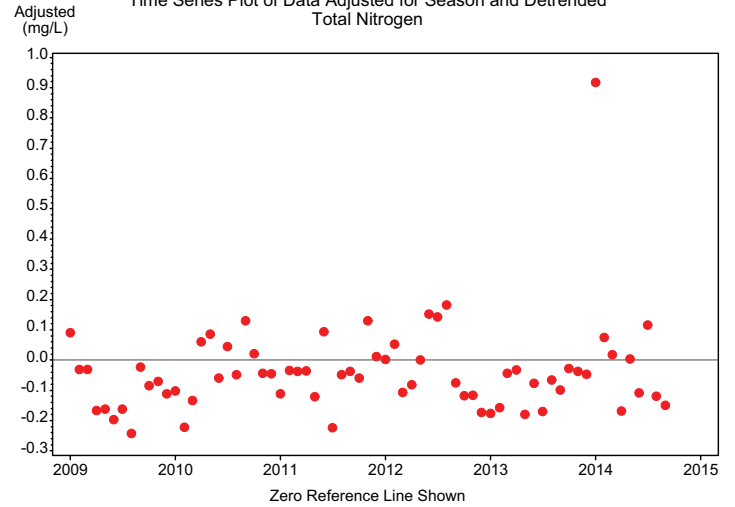
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.194	0.075	0.148	0.016

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2	0.066905	0.14621	0.015667

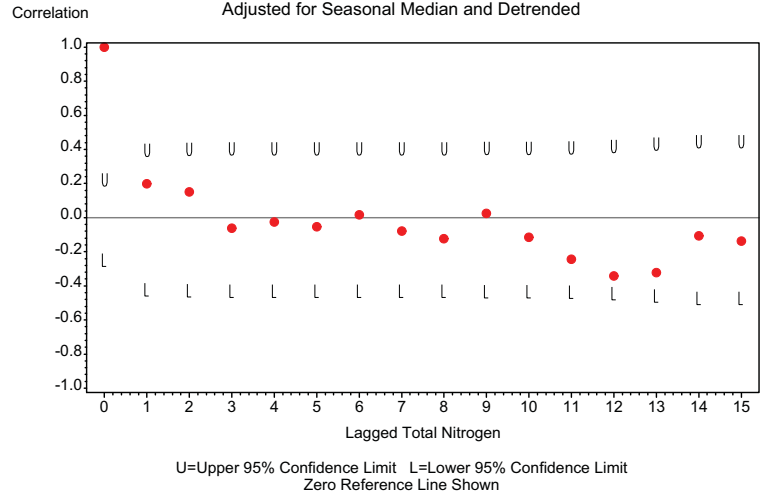
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



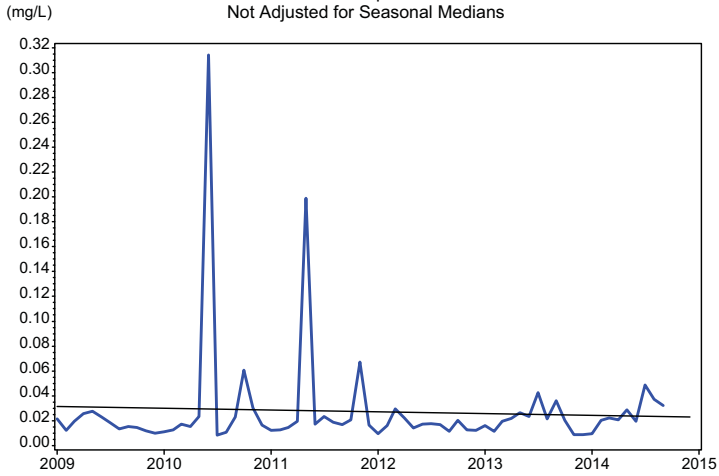
Faka Union North Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.199	0.204	0.408	-0.408
2	0.151	0.207	0.414	-0.414
3	-0.061	0.208	0.417	-0.417
4	-0.025	0.209	0.417	-0.417
5	-0.053	0.209	0.417	-0.417
6	0.016	0.209	0.418	-0.418
7	-0.078	0.209	0.418	-0.418
8	-0.125	0.209	0.418	-0.418
9	0.026	0.210	0.420	-0.420
10	-0.114	0.210	0.421	-0.421
11	-0.243	0.211	0.422	-0.422
12	-0.342	0.215	0.430	-0.430
13	-0.323	0.222	0.445	-0.445
14	-0.108	0.229	0.458	-0.458
15	-0.137	0.230	0.459	-0.459

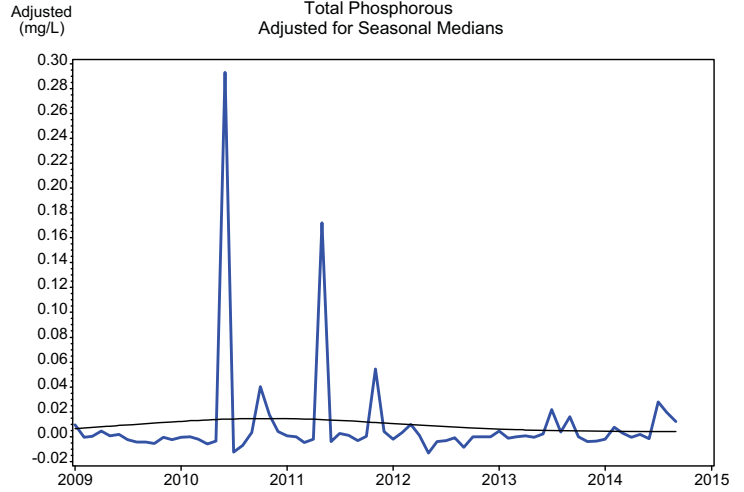
Faka Union North Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



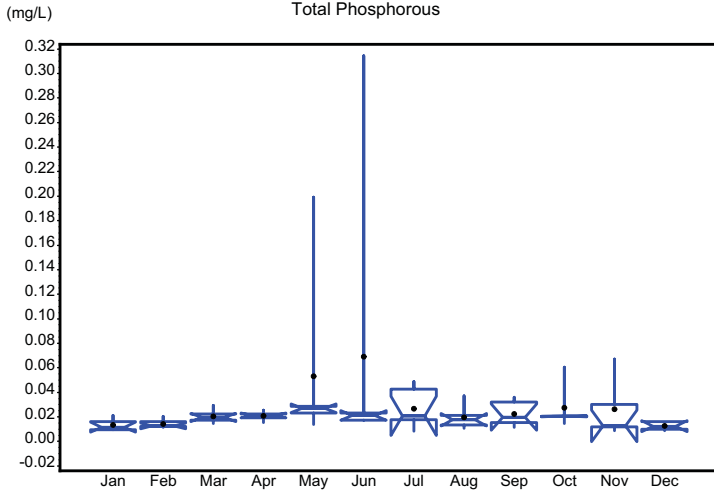
Faka Union North Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



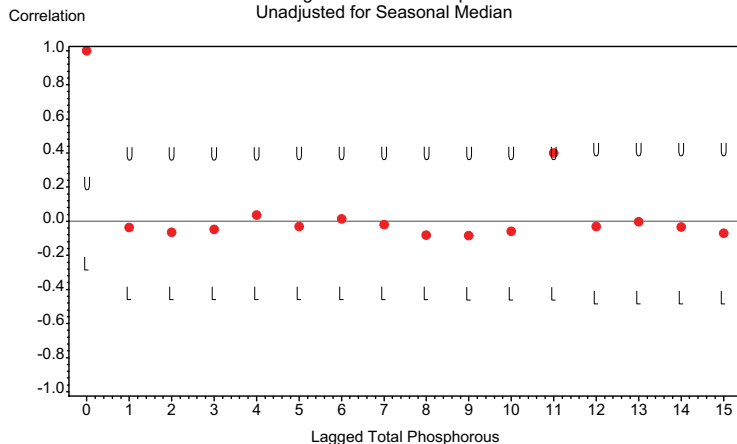
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Faka Union North Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.036	0.204	0.408	-0.408
2	-0.066	0.204	0.408	-0.408
3	-0.048	0.205	0.409	-0.409
4	0.036	0.205	0.409	-0.409
5	-0.032	0.205	0.410	-0.410
6	0.014	0.205	0.410	-0.410
7	-0.020	0.205	0.410	-0.410
8	-0.082	0.205	0.410	-0.410
9	-0.084	0.205	0.411	-0.411
10	-0.060	0.206	0.412	-0.412
11	0.399	0.206	0.412	-0.412
12	-0.030	0.217	0.433	-0.433
13	-0.003	0.217	0.433	-0.433
14	-0.034	0.217	0.433	-0.433
15	-0.071	0.217	0.433	-0.433

Faka Union North Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

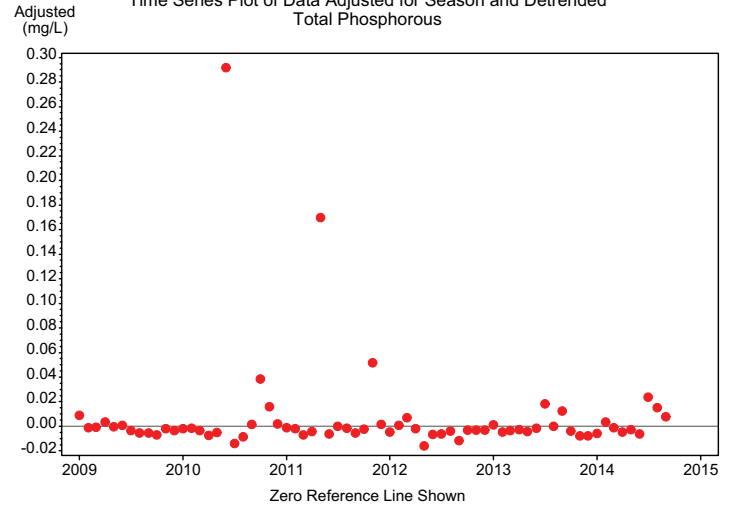
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.127	0.246	0.193	.001

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13333	0.21804	0.16120	.000666667

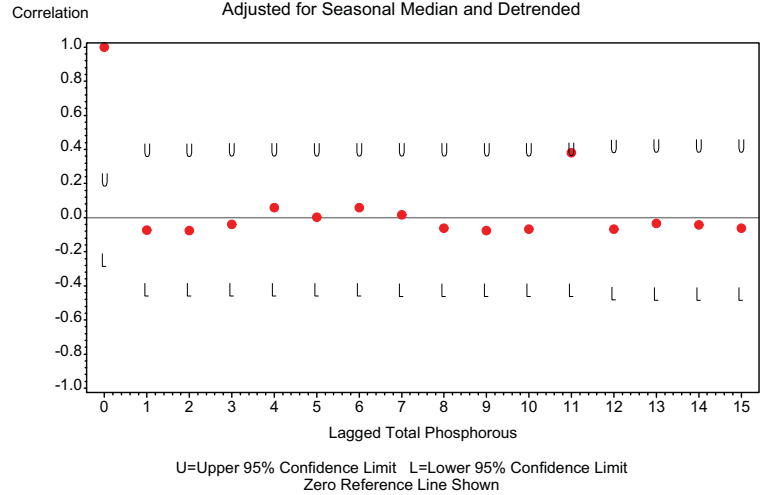
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



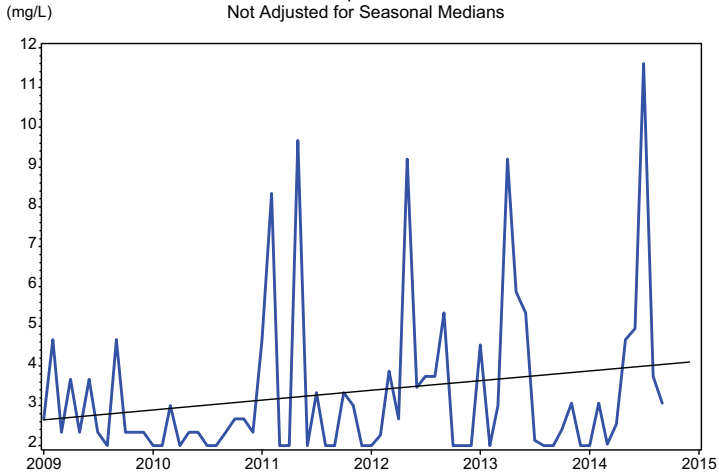
Faka Union North Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.073	0.204	0.408	-0.408
2	-0.076	0.204	0.409	-0.409
3	-0.039	0.205	0.410	-0.410
4	0.058	0.205	0.410	-0.410
5	0.003	0.205	0.410	-0.410
6	0.057	0.205	0.410	-0.410
7	0.017	0.205	0.411	-0.411
8	-0.061	0.205	0.411	-0.411
9	-0.076	0.206	0.411	-0.411
10	-0.068	0.206	0.412	-0.412
11	0.381	0.206	0.413	-0.413
12	-0.068	0.216	0.432	-0.432
13	-0.035	0.216	0.433	-0.433
14	-0.042	0.216	0.433	-0.433
15	-0.063	0.216	0.433	-0.433

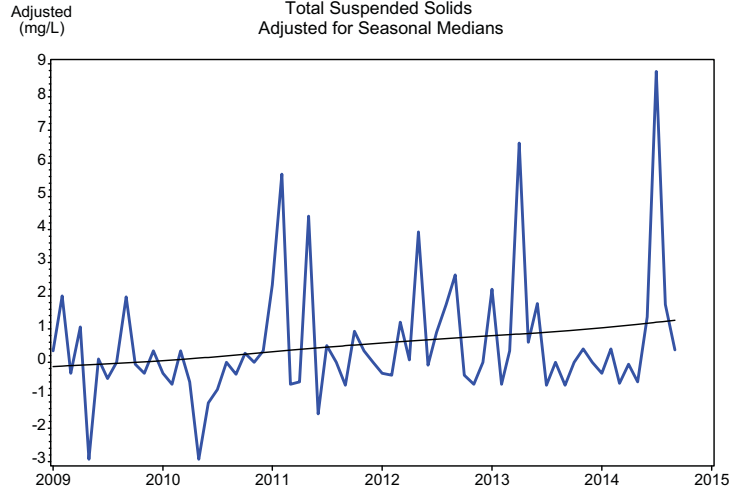
Faka Union North Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



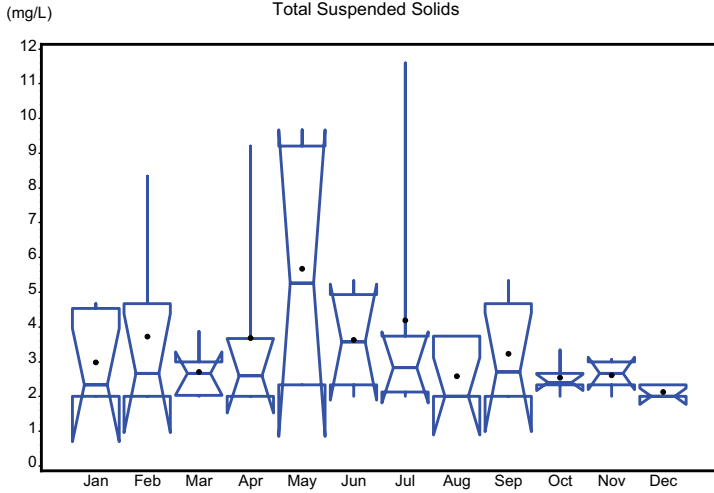
Faka Union North Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



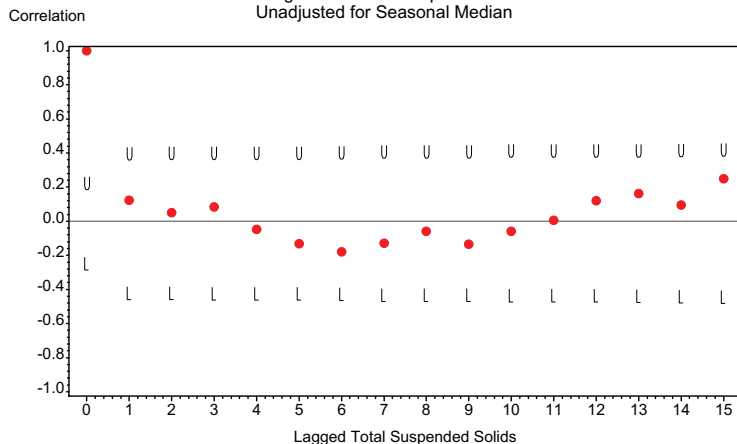
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Faka Union North Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.124	0.204	0.408	-0.408
2	0.049	0.205	0.410	-0.410
3	0.083	0.205	0.411	-0.411
4	-0.048	0.206	0.412	-0.412
5	-0.131	0.206	0.412	-0.412
6	-0.180	0.207	0.414	-0.414
7	-0.130	0.209	0.419	-0.419
8	-0.059	0.210	0.421	-0.421
9	-0.134	0.211	0.421	-0.421
10	-0.060	0.212	0.424	-0.424
11	0.005	0.212	0.424	-0.424
12	0.120	0.212	0.424	-0.424
13	0.161	0.213	0.426	-0.426
14	0.094	0.215	0.429	-0.429
15	0.249	0.215	0.430	-0.430

Faka Union North Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

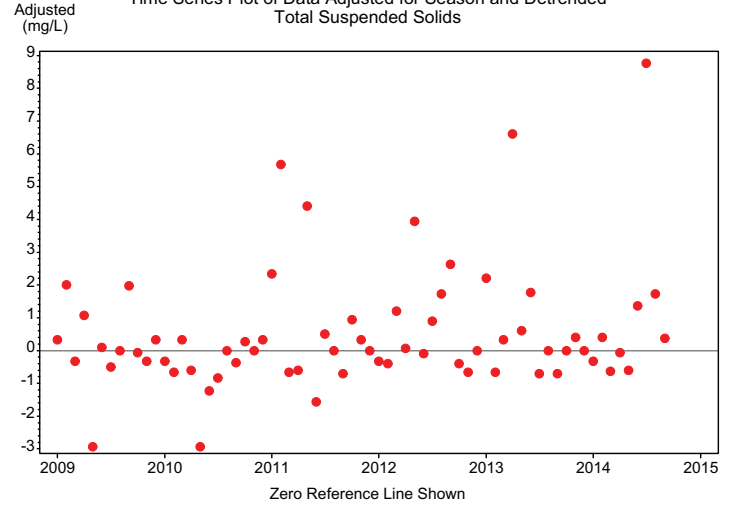
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.085	0.439	0.347	0

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.084849	0.43885	0.34731	0

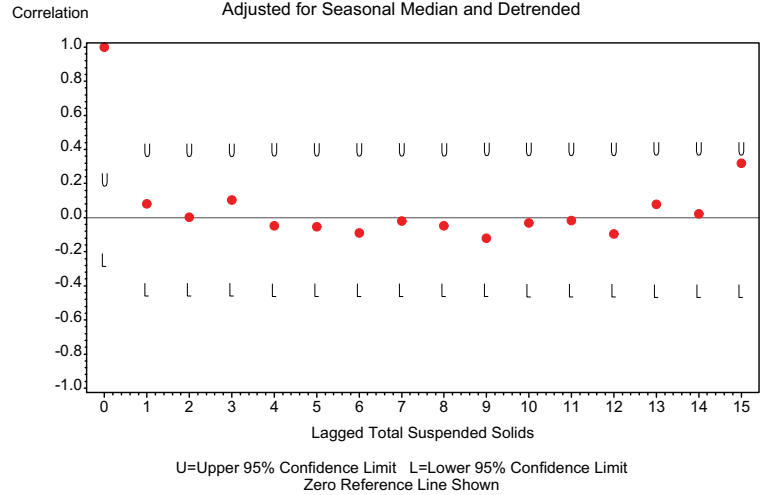
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



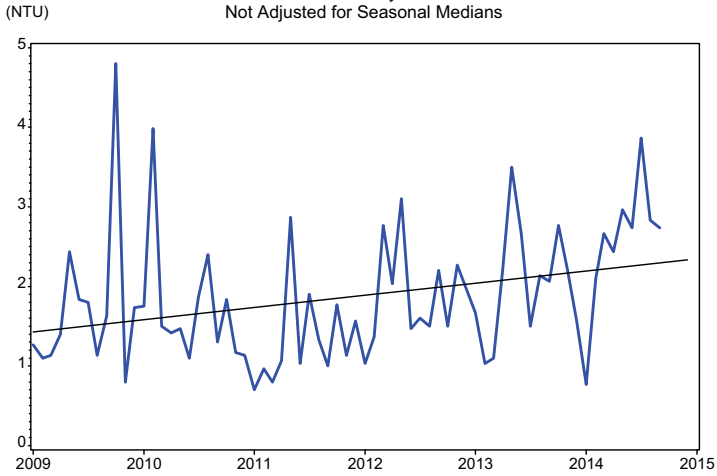
Faka Union North Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.081	0.204	0.408	-0.408
2	0.001	0.205	0.409	-0.409
3	0.103	0.205	0.409	-0.409
4	-0.048	0.205	0.411	-0.411
5	-0.054	0.205	0.411	-0.411
6	-0.090	0.206	0.411	-0.411
7	-0.020	0.206	0.412	-0.412
8	-0.048	0.206	0.412	-0.412
9	-0.121	0.206	0.413	-0.413
10	-0.030	0.207	0.415	-0.415
11	-0.018	0.207	0.415	-0.415
12	-0.096	0.207	0.415	-0.415
13	0.077	0.208	0.416	-0.416
14	0.022	0.208	0.417	-0.417
15	0.320	0.208	0.417	-0.417

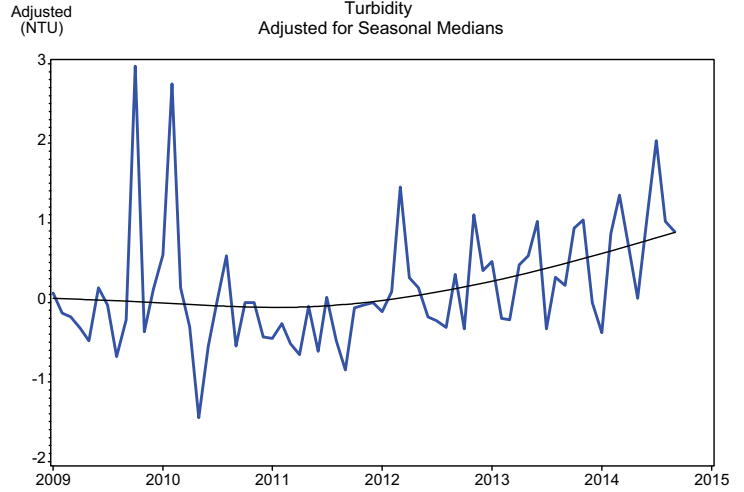
Faka Union North Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



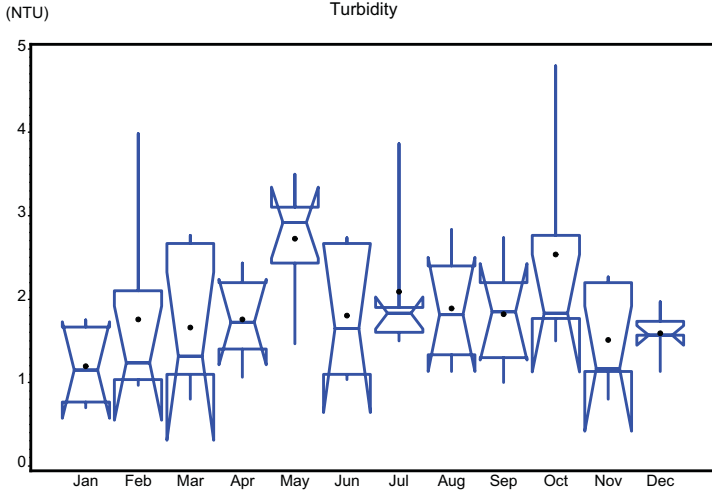
Faka Union North Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



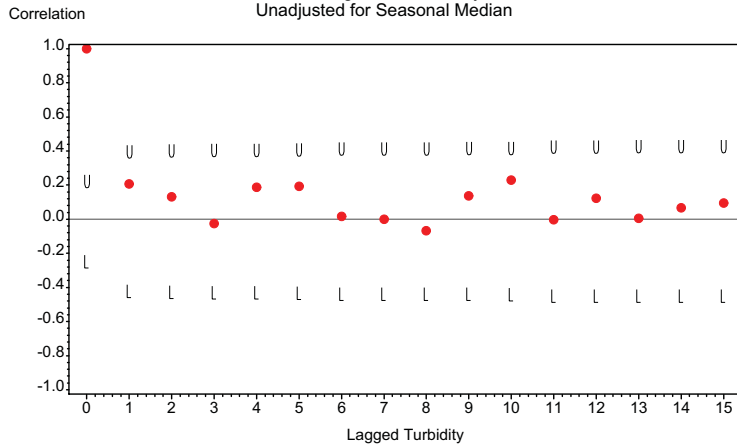
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Turbidity



Faka Union North Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.207	0.204	0.408	-0.408
2	0.131	0.207	0.414	-0.414
3	-0.025	0.208	0.416	-0.416
4	0.188	0.208	0.416	-0.416
5	0.192	0.211	0.421	-0.421
6	0.017	0.213	0.426	-0.426
7	0.000	0.213	0.426	-0.426
8	-0.069	0.213	0.426	-0.426
9	0.137	0.213	0.427	-0.427
10	0.230	0.214	0.429	-0.429
11	-0.004	0.218	0.436	-0.436
12	0.123	0.218	0.436	-0.436
13	0.005	0.219	0.438	-0.438
14	0.068	0.219	0.438	-0.438
15	0.094	0.219	0.438	-0.438

Faka Union North Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

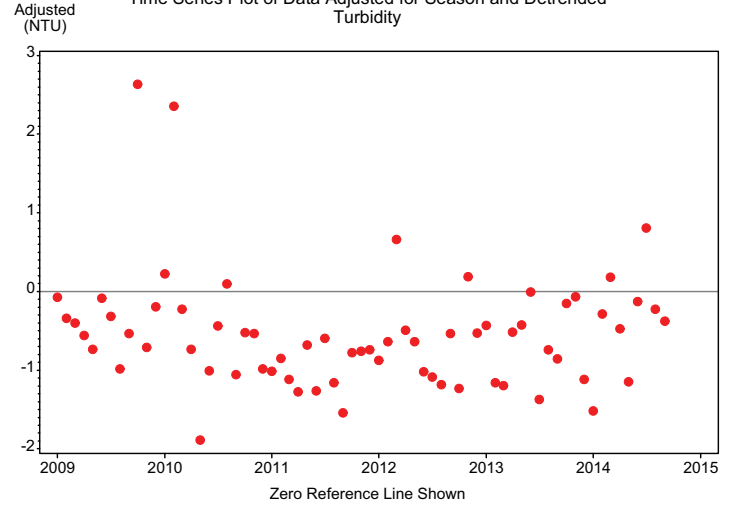
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.291	.007	0.128	0.189

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.29091	.00702524	0.12809	0.189

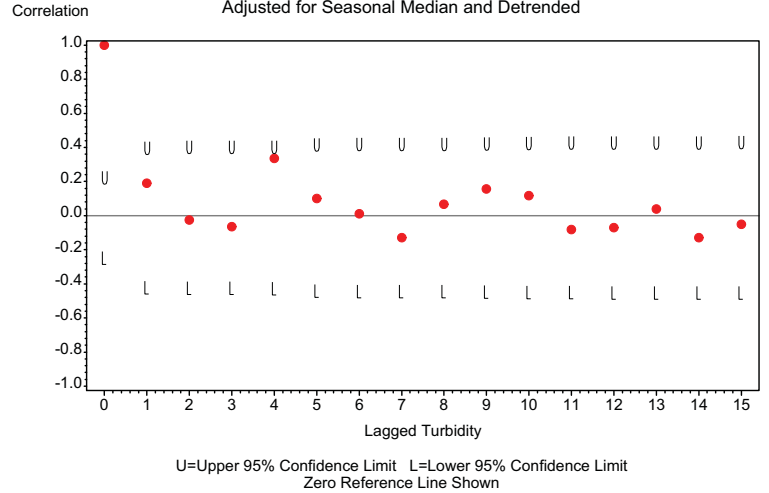
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



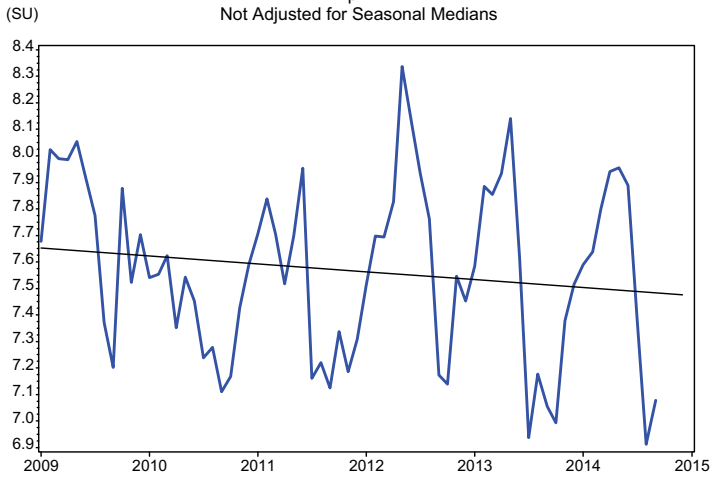
Faka Union North Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.191	0.204	0.408	-0.408
2	-0.026	0.207	0.413	-0.413
3	-0.064	0.207	0.413	-0.413
4	0.336	0.207	0.414	-0.414
5	0.101	0.214	0.429	-0.429
6	0.010	0.215	0.430	-0.430
7	-0.129	0.215	0.430	-0.430
8	0.067	0.216	0.432	-0.432
9	0.157	0.216	0.433	-0.433
10	0.118	0.218	0.436	-0.436
11	-0.083	0.219	0.438	-0.438
12	-0.071	0.219	0.439	-0.439
13	0.038	0.220	0.439	-0.439
14	-0.128	0.220	0.439	-0.439
15	-0.050	0.221	0.441	-0.441

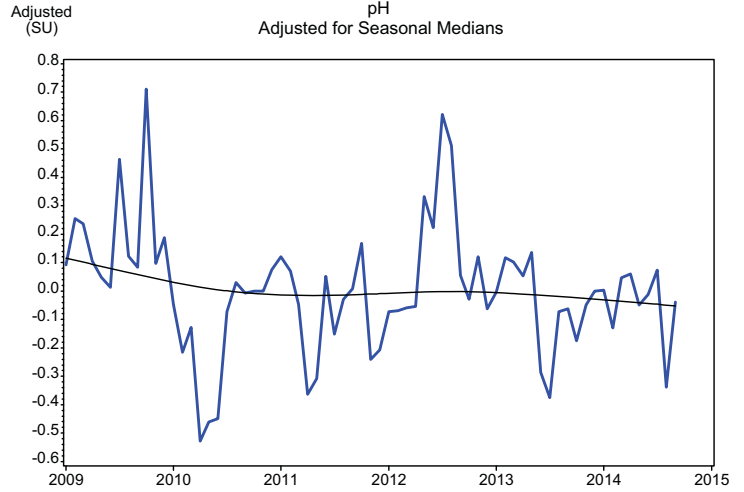
Faka Union North Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



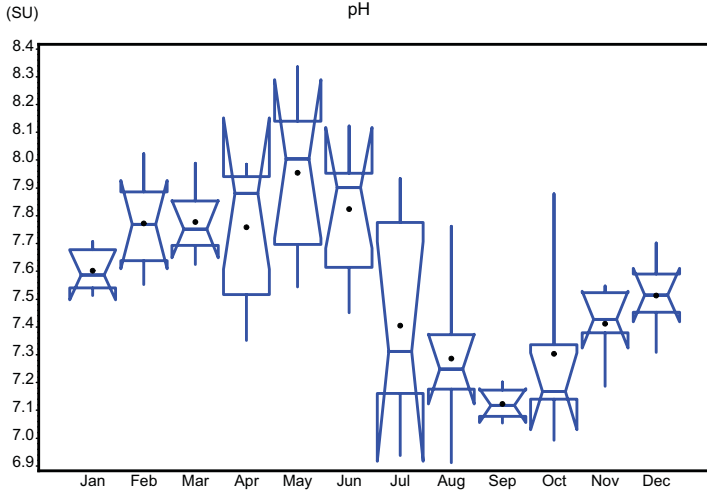
Faka Union North Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



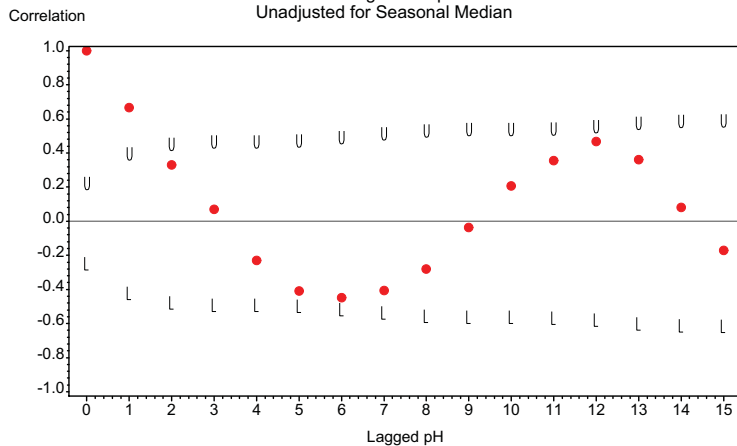
Faka Union North Trends Appendix
Seasonal Univariate Statistics
pH



Faka Union North Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.666	0.204	0.408	-0.408
2	0.330	0.232	0.465	-0.465
3	0.070	0.239	0.478	-0.478
4	-0.231	0.239	0.478	-0.478
5	-0.410	0.242	0.484	-0.484
6	-0.449	0.252	0.503	-0.503
7	-0.406	0.263	0.525	-0.525
8	-0.281	0.271	0.542	-0.542
9	-0.038	0.275	0.550	-0.550
10	0.206	0.275	0.550	-0.550
11	0.355	0.277	0.555	-0.555
12	0.466	0.284	0.567	-0.567
13	0.360	0.294	0.588	-0.588
14	0.082	0.300	0.600	-0.600
15	-0.171	0.300	0.601	-0.601

Faka Union North Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

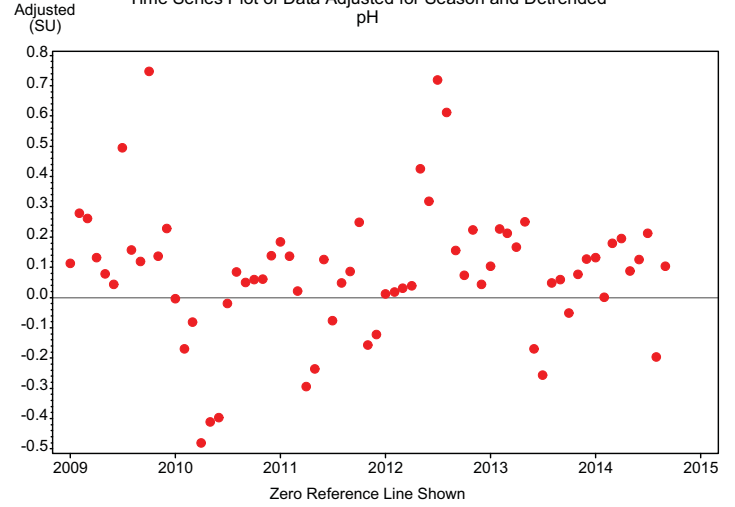
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.164	0.137	0.436	-0.021

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16364	0.13655	0.43633	-0.0215

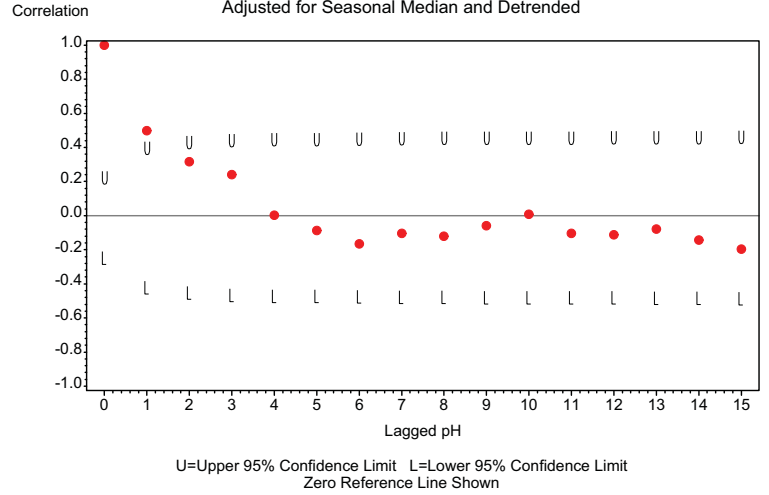
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



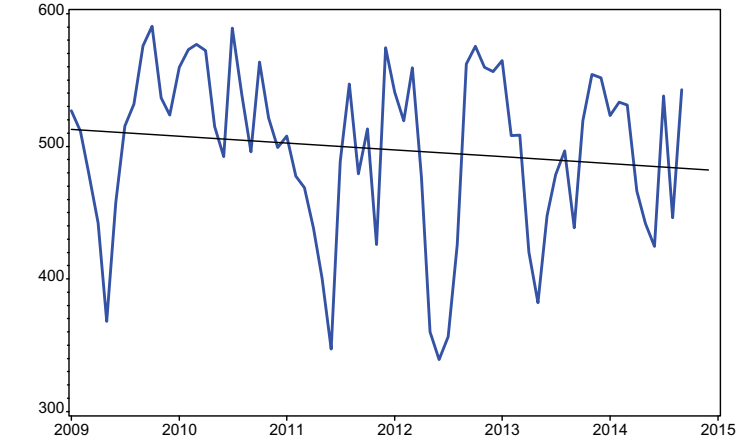
Faka Union North Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.498	0.204	0.408	-0.408
2	0.317	0.220	0.441	-0.441
3	0.240	0.227	0.453	-0.453
4	0.003	0.230	0.460	-0.460
5	-0.087	0.230	0.460	-0.460
6	-0.165	0.231	0.461	-0.461
7	-0.104	0.232	0.464	-0.464
8	-0.120	0.233	0.466	-0.466
9	-0.058	0.234	0.467	-0.467
10	0.008	0.234	0.468	-0.468
11	-0.105	0.234	0.468	-0.468
12	-0.113	0.235	0.469	-0.469
13	-0.078	0.235	0.471	-0.471
14	-0.144	0.236	0.471	-0.471
15	-0.197	0.237	0.474	-0.474

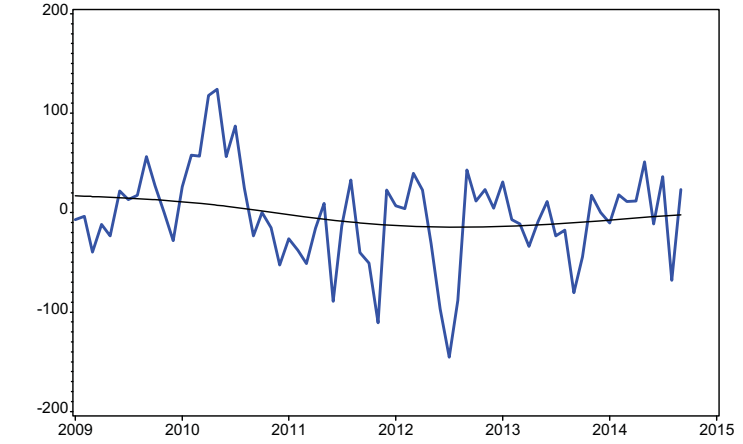
Faka Union North Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



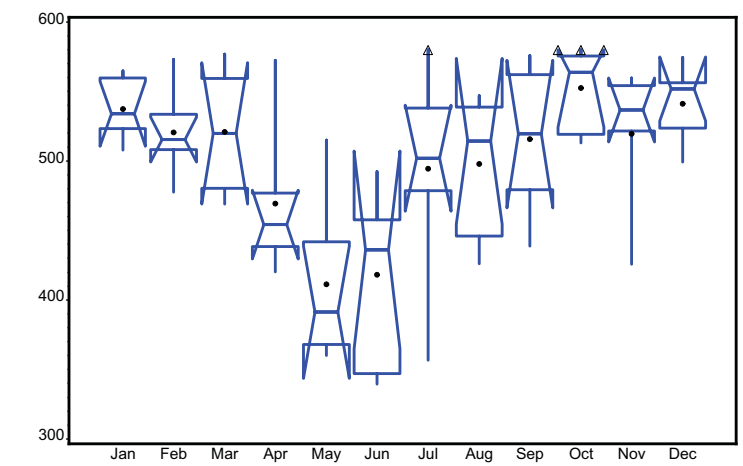
Faka Union North Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



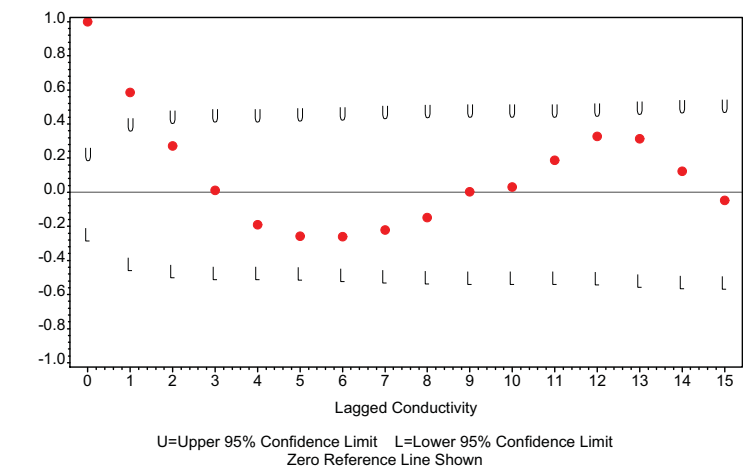
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Conductivity



Faka Union North Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.584	0.204	0.408	-0.408
2	0.272	0.226	0.452	-0.452
3	0.011	0.231	0.461	-0.461
4	-0.192	0.231	0.461	-0.461
5	-0.257	0.233	0.466	-0.466
6	-0.262	0.237	0.474	-0.474
7	-0.221	0.241	0.481	-0.481
8	-0.149	0.244	0.487	-0.487
9	0.001	0.245	0.490	-0.490
10	0.030	0.245	0.490	-0.490
11	0.187	0.245	0.490	-0.490
12	0.328	0.247	0.494	-0.494
13	0.313	0.253	0.506	-0.506
14	0.123	0.258	0.516	-0.516
15	-0.048	0.259	0.518	-0.518

Faka Union North Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



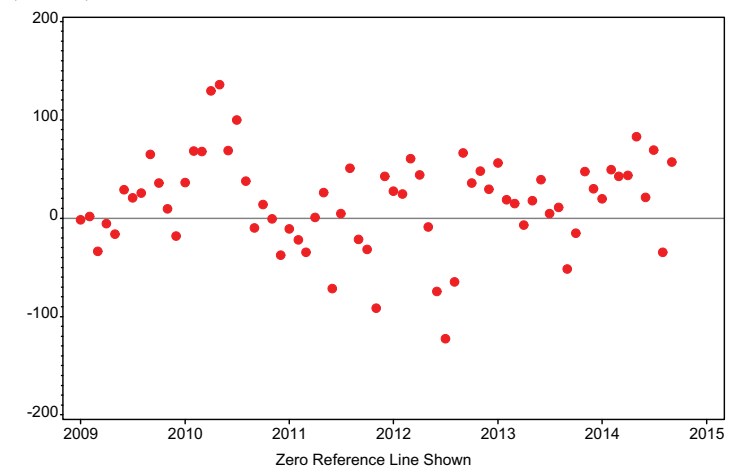
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.103	0.36	0.521	-5.083

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10303	0.35959	0.52084	-5.083

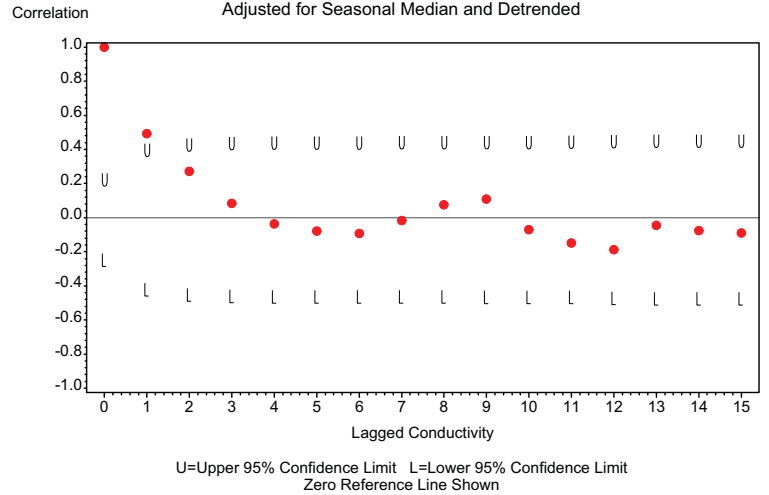
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



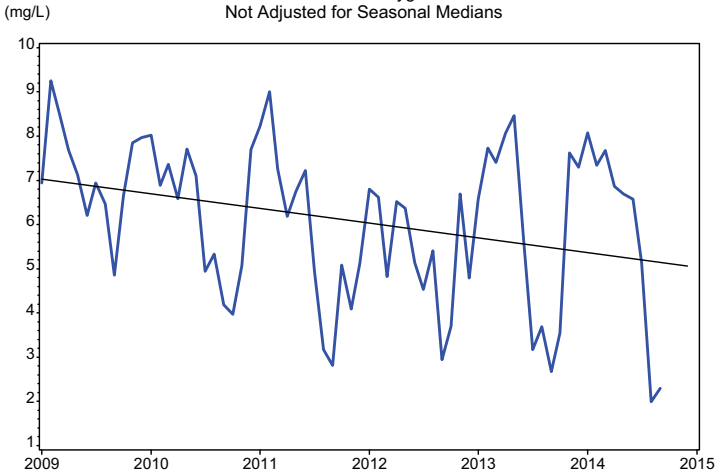
Faka Union North Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.493	0.204	0.408	-0.408
2	0.271	0.220	0.440	-0.440
3	0.083	0.225	0.449	-0.449
4	-0.036	0.225	0.450	-0.450
5	-0.078	0.225	0.450	-0.450
6	-0.092	0.226	0.451	-0.451
7	-0.018	0.226	0.452	-0.452
8	0.076	0.226	0.452	-0.452
9	0.109	0.226	0.453	-0.453
10	-0.070	0.227	0.454	-0.454
11	-0.149	0.227	0.455	-0.455
12	-0.189	0.229	0.458	-0.458
13	-0.046	0.231	0.462	-0.462
14	-0.075	0.231	0.462	-0.462
15	-0.090	0.231	0.463	-0.463

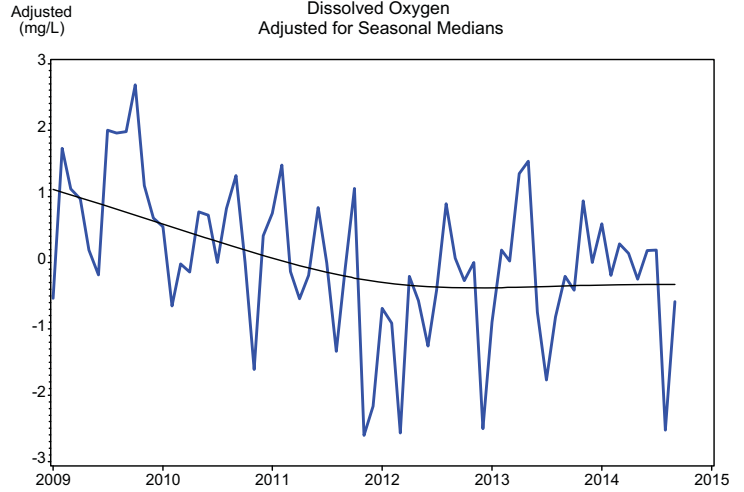
Faka Union North Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



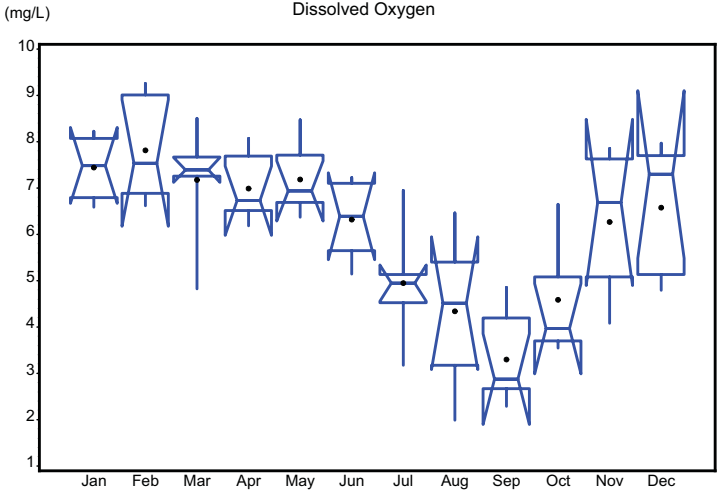
Faka Union North Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



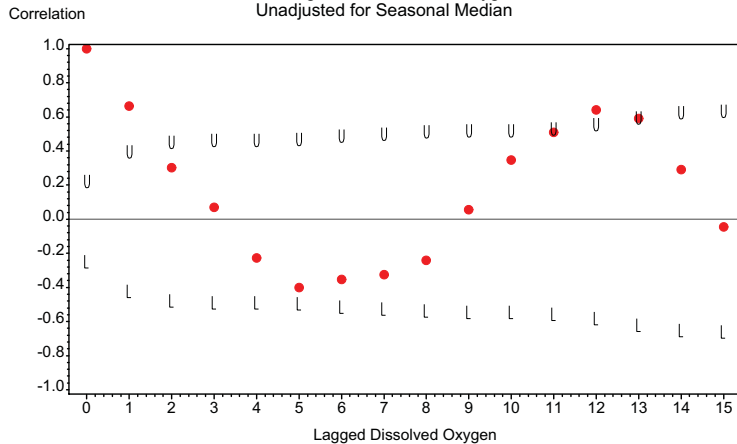
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Faka Union North Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.663	0.204	0.408	-0.408
2	0.303	0.232	0.464	-0.464
3	0.069	0.238	0.475	-0.475
4	-0.226	0.238	0.476	-0.476
5	-0.402	0.241	0.482	-0.482
6	-0.352	0.250	0.500	-0.500
7	-0.325	0.257	0.513	-0.513
8	-0.241	0.262	0.525	-0.525
9	0.055	0.265	0.531	-0.531
10	0.347	0.266	0.531	-0.531
11	0.508	0.272	0.544	-0.544
12	0.641	0.285	0.569	-0.569
13	0.590	0.304	0.608	-0.608
14	0.290	0.320	0.639	-0.639
15	-0.045	0.323	0.647	-0.647

Faka Union North Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

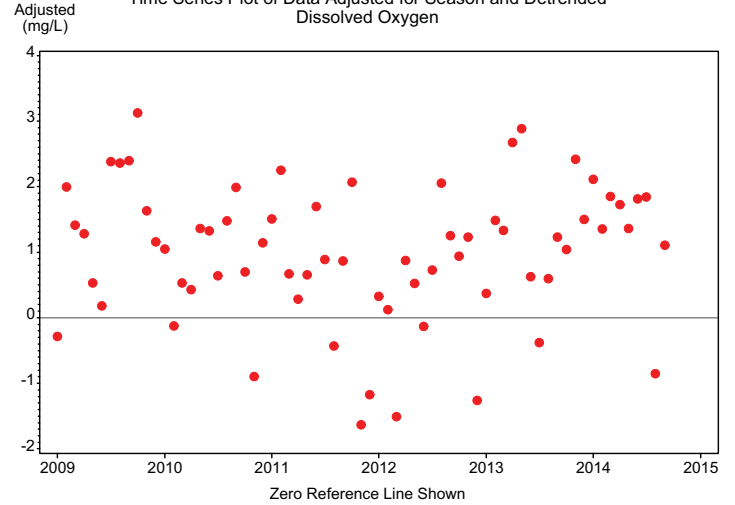
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.321	.003	0.105	-0.254

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.32121	.0029058	0.10501	-0.25375

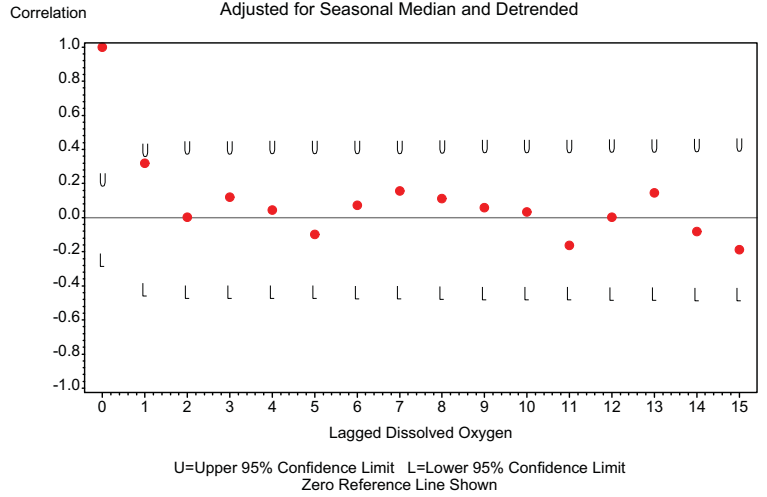
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



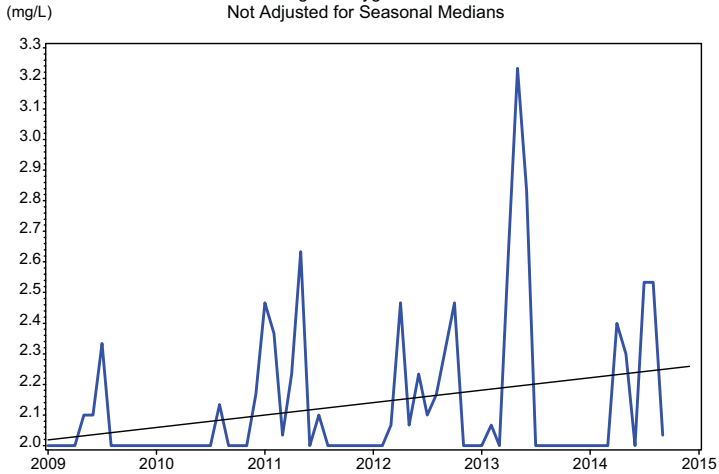
Faka Union North Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.318	0.204	0.408	-0.408
2	0.002	0.211	0.422	-0.422
3	0.120	0.211	0.422	-0.422
4	0.044	0.212	0.424	-0.424
5	-0.098	0.212	0.424	-0.424
6	0.073	0.213	0.425	-0.425
7	0.157	0.213	0.426	-0.426
8	0.111	0.215	0.429	-0.429
9	0.058	0.215	0.431	-0.431
10	0.032	0.216	0.431	-0.431
11	-0.163	0.216	0.431	-0.431
12	0.003	0.217	0.435	-0.435
13	0.146	0.217	0.435	-0.435
14	-0.083	0.219	0.437	-0.437
15	-0.187	0.219	0.438	-0.438

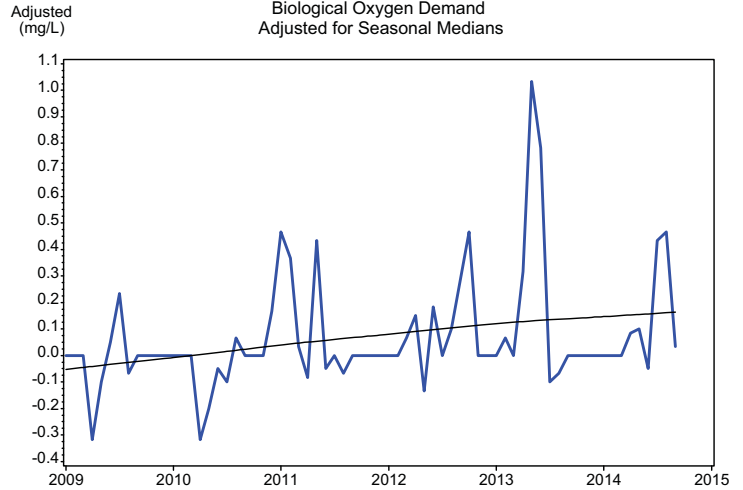
Faka Union North Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



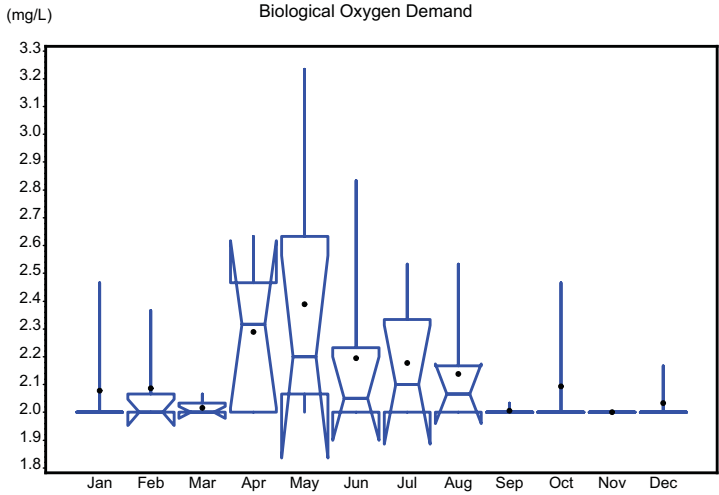
Faka Union North Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



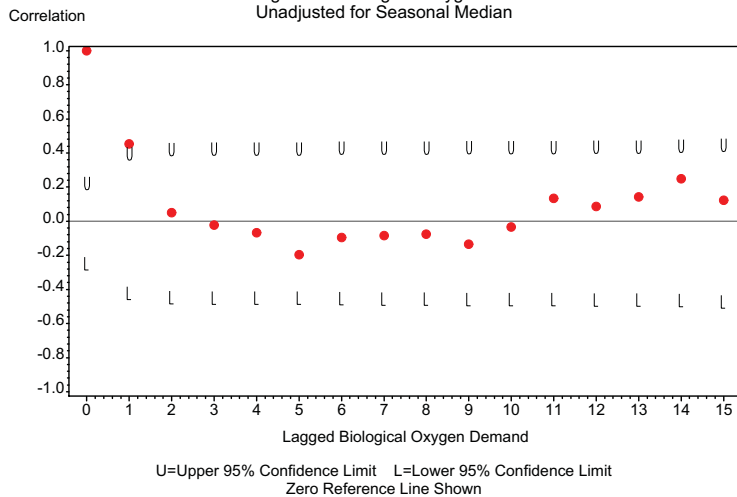
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Faka Union North Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.453	0.204	0.408	-0.408
2	0.049	0.218	0.435	-0.435
3	-0.022	0.218	0.436	-0.436
4	-0.067	0.218	0.436	-0.436
5	-0.197	0.218	0.436	-0.436
6	-0.095	0.221	0.441	-0.441
7	-0.084	0.221	0.442	-0.442
8	-0.076	0.222	0.443	-0.443
9	-0.136	0.222	0.444	-0.444
10	-0.035	0.223	0.446	-0.446
11	0.133	0.223	0.446	-0.446
12	0.087	0.224	0.449	-0.449
13	0.142	0.225	0.449	-0.449
14	0.249	0.226	0.452	-0.452
15	0.124	0.230	0.459	-0.459

Faka Union North Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



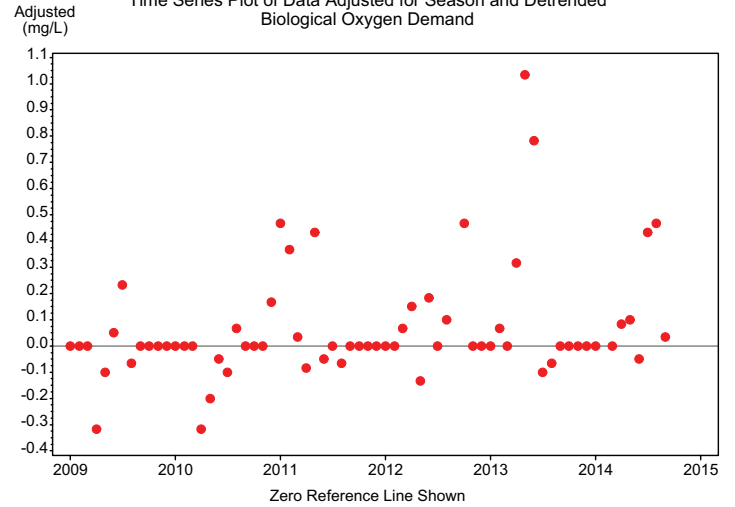
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2	0.034	0.077	0

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2	0.033747	0.076587	0

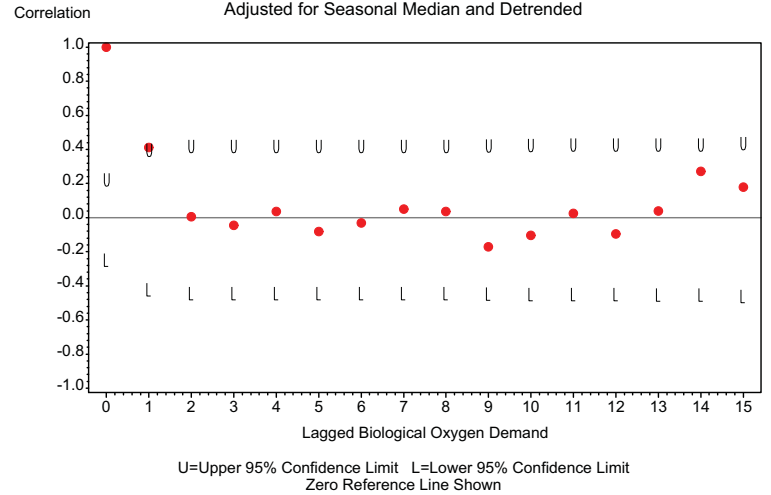
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



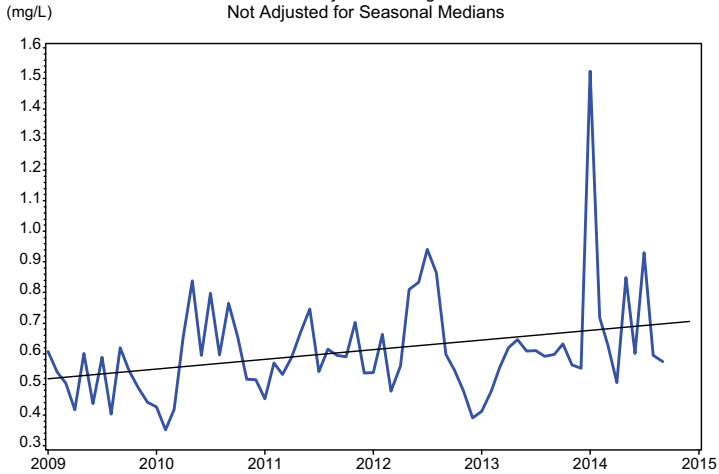
Faka Union North Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.412	0.204	0.408	-0.408
2	0.006	0.215	0.431	-0.431
3	-0.045	0.215	0.431	-0.431
4	0.037	0.215	0.431	-0.431
5	-0.083	0.216	0.431	-0.431
6	-0.031	0.216	0.432	-0.432
7	0.049	0.216	0.432	-0.432
8	0.035	0.216	0.432	-0.432
9	-0.171	0.216	0.433	-0.433
10	-0.105	0.218	0.436	-0.436
11	0.025	0.219	0.438	-0.438
12	-0.095	0.219	0.438	-0.438
13	0.038	0.219	0.439	-0.439
14	0.270	0.220	0.439	-0.439
15	0.178	0.224	0.448	-0.448

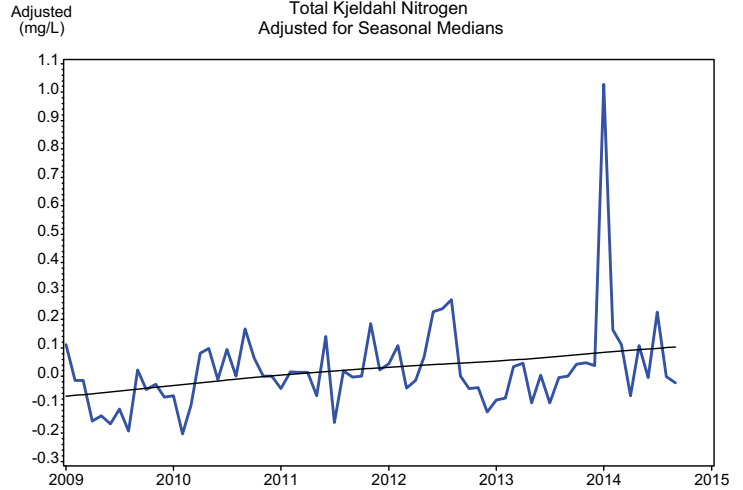
Faka Union North Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



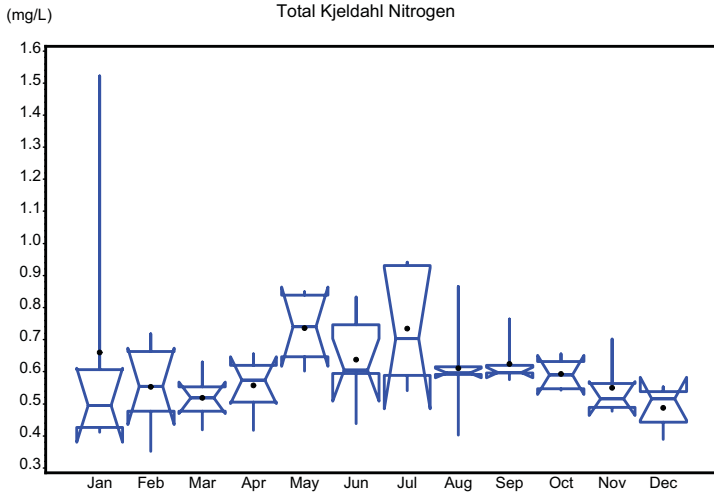
Faka Union North Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



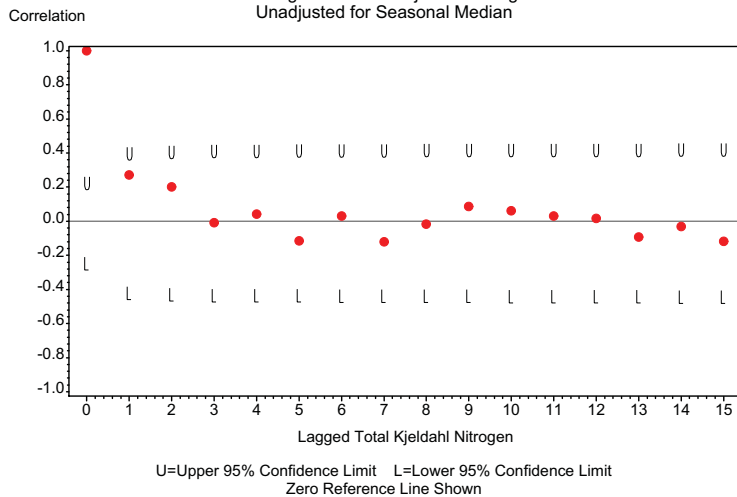
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Faka Union North Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.270	0.204	0.408	-0.408
2	0.201	0.209	0.418	-0.418
3	-0.010	0.212	0.423	-0.423
4	0.042	0.212	0.423	-0.423
5	-0.116	0.212	0.424	-0.424
6	0.031	0.213	0.425	-0.425
7	-0.121	0.213	0.426	-0.426
8	-0.016	0.214	0.427	-0.427
9	0.085	0.214	0.427	-0.427
10	0.060	0.214	0.428	-0.428
11	0.029	0.214	0.429	-0.429
12	0.016	0.215	0.429	-0.429
13	-0.094	0.215	0.429	-0.429
14	-0.031	0.215	0.430	-0.430
15	-0.117	0.215	0.430	-0.430

Faka Union North Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



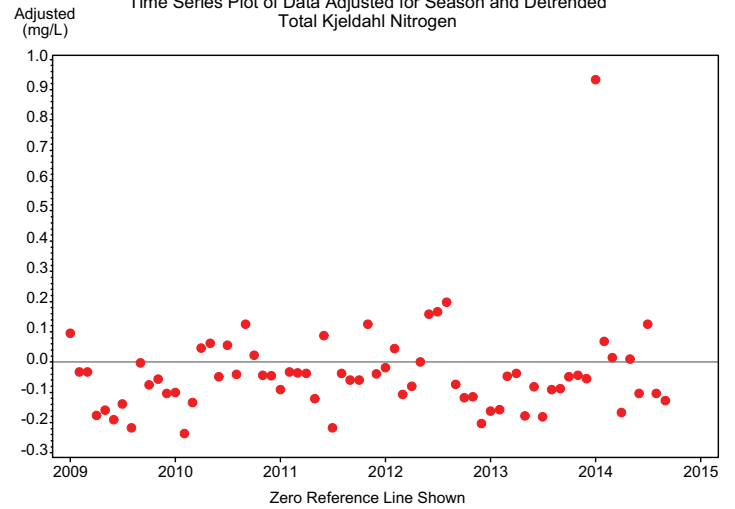
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.212	0.052	0.083	0.016

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.21212	0.050790	0.087932	0.015667

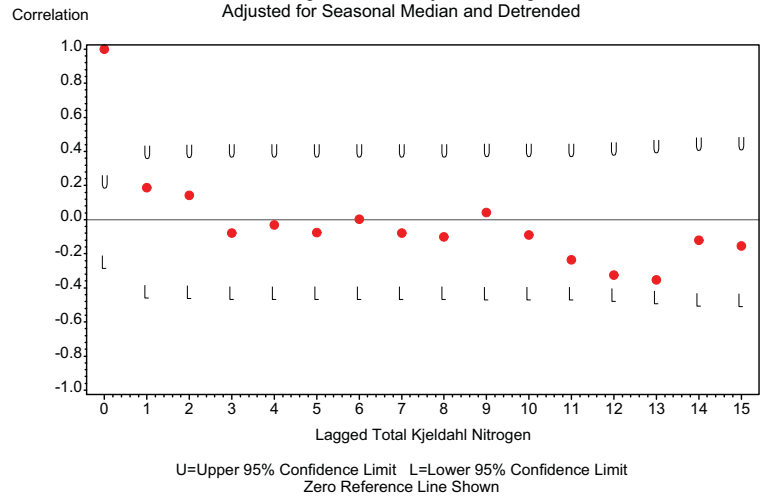
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



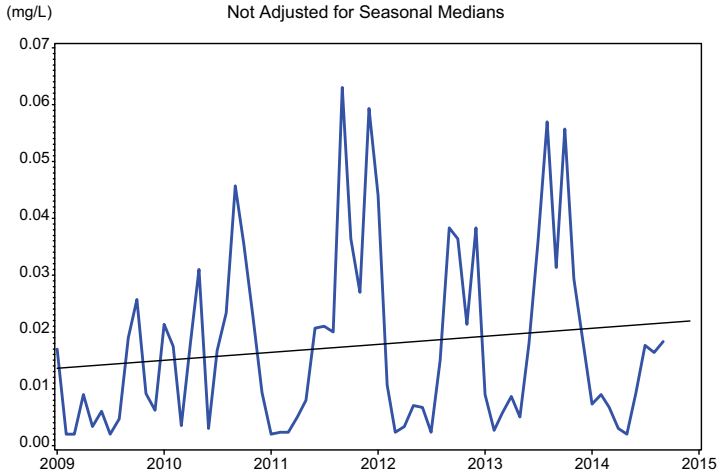
Faka Union North Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.186	0.204	0.408	-0.408
2	0.143	0.206	0.413	-0.413
3	-0.079	0.208	0.416	-0.416
4	-0.032	0.208	0.417	-0.417
5	-0.077	0.208	0.417	-0.417
6	0.001	0.209	0.417	-0.417
7	-0.079	0.209	0.417	-0.417
8	-0.100	0.209	0.418	-0.418
9	0.042	0.210	0.420	-0.420
10	-0.089	0.210	0.420	-0.420
11	-0.237	0.210	0.421	-0.421
12	-0.324	0.214	0.428	-0.428
13	-0.353	0.221	0.442	-0.442
14	-0.122	0.229	0.457	-0.457
15	-0.154	0.229	0.459	-0.459

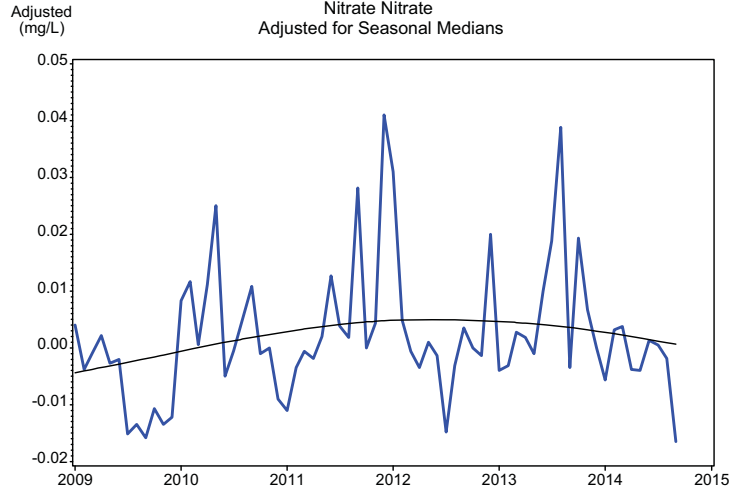
Faka Union North Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



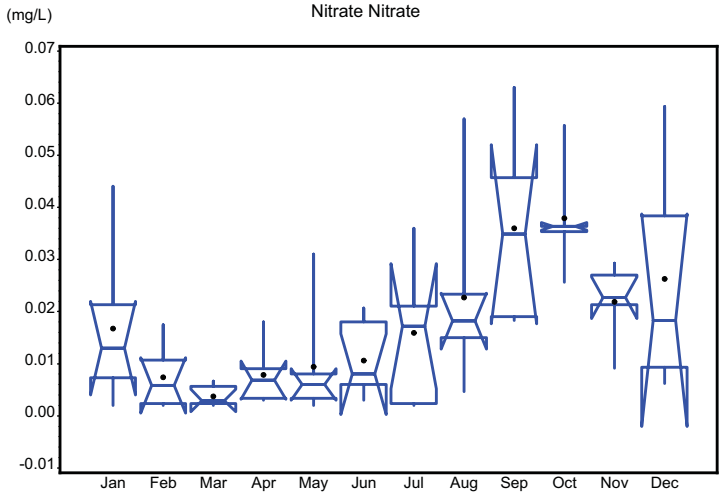
Faka Union North Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



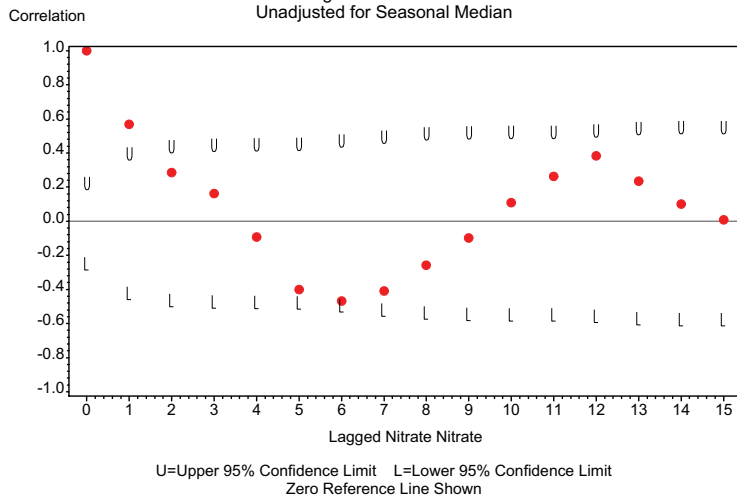
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Faka Union North Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.567	0.204	0.408	-0.408
2	0.285	0.225	0.450	-0.450
3	0.162	0.230	0.460	-0.460
4	-0.093	0.231	0.463	-0.463
5	-0.401	0.232	0.464	-0.464
6	-0.467	0.241	0.483	-0.483
7	-0.410	0.254	0.507	-0.507
8	-0.259	0.263	0.525	-0.525
9	-0.098	0.266	0.533	-0.533
10	0.109	0.267	0.534	-0.534
11	0.264	0.267	0.535	-0.535
12	0.382	0.271	0.542	-0.542
13	0.234	0.278	0.557	-0.557
14	0.099	0.281	0.562	-0.562
15	0.007	0.282	0.563	-0.563

Faka Union North Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



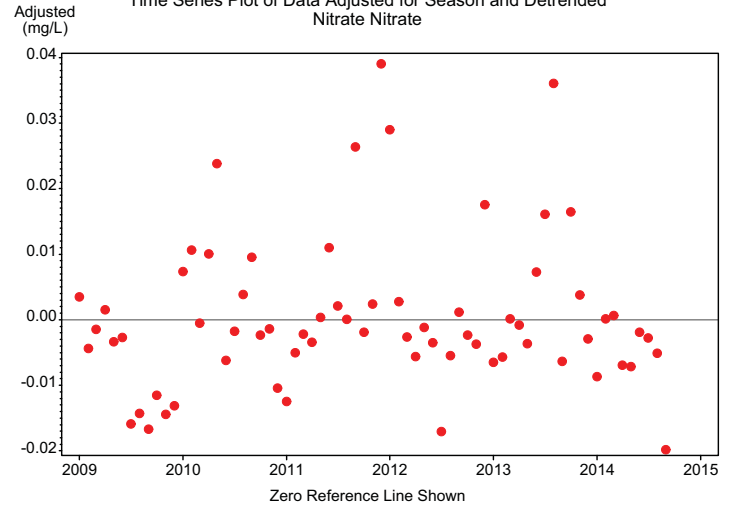
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.127	0.245	0.489	.001

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12727	0.24531	0.48868	.0005

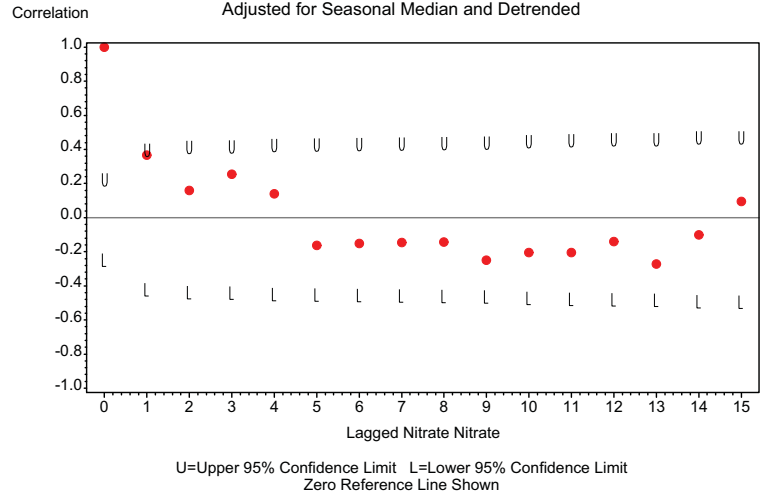
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



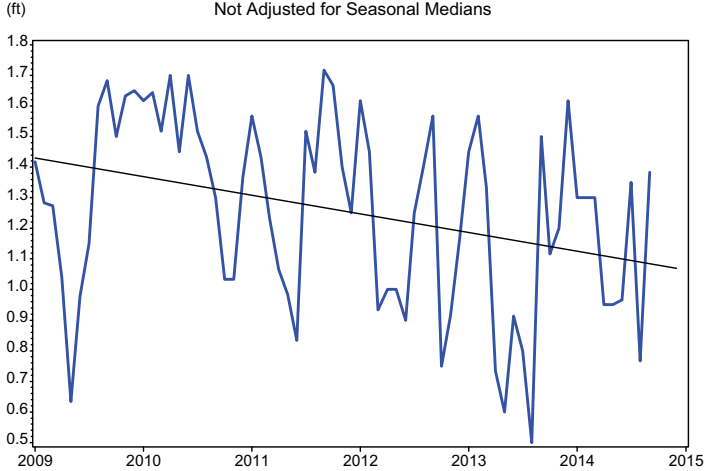
Faka Union North Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.365	0.204	0.408	-0.408
2	0.158	0.213	0.426	-0.426
3	0.254	0.215	0.429	-0.429
4	0.140	0.219	0.437	-0.437
5	-0.162	0.220	0.440	-0.440
6	-0.152	0.222	0.443	-0.443
7	-0.145	0.223	0.446	-0.446
8	-0.142	0.224	0.449	-0.449
9	-0.251	0.226	0.451	-0.451
10	-0.205	0.229	0.459	-0.459
11	-0.206	0.232	0.464	-0.464
12	-0.141	0.235	0.469	-0.469
13	-0.271	0.236	0.471	-0.471
14	-0.100	0.240	0.480	-0.480
15	0.096	0.241	0.481	-0.481

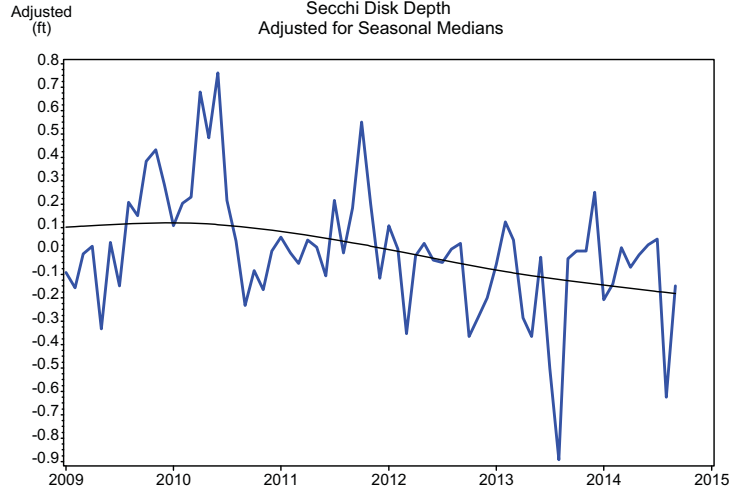
Faka Union North Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



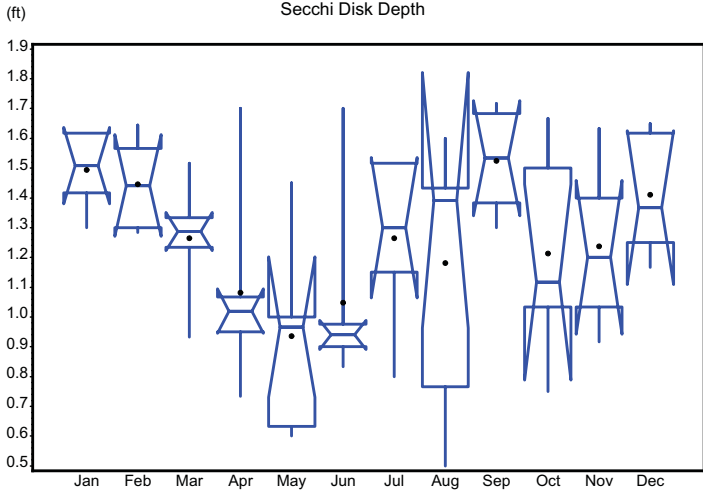
Faka Union North Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



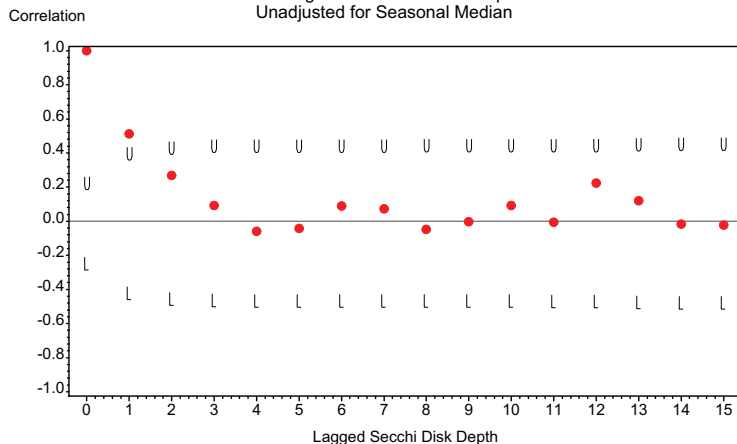
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Faka Union North Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.513	0.204	0.408	-0.408
2	0.269	0.221	0.443	-0.443
3	0.091	0.226	0.452	-0.452
4	-0.058	0.226	0.453	-0.453
5	-0.042	0.227	0.453	-0.453
6	0.090	0.227	0.453	-0.453
7	0.073	0.227	0.454	-0.454
8	-0.048	0.227	0.455	-0.455
9	-0.004	0.228	0.455	-0.455
10	0.091	0.228	0.455	-0.455
11	-0.007	0.228	0.456	-0.456
12	0.223	0.228	0.456	-0.456
13	0.121	0.231	0.462	-0.462
14	-0.017	0.232	0.464	-0.464
15	-0.023	0.232	0.464	-0.464

Faka Union North Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

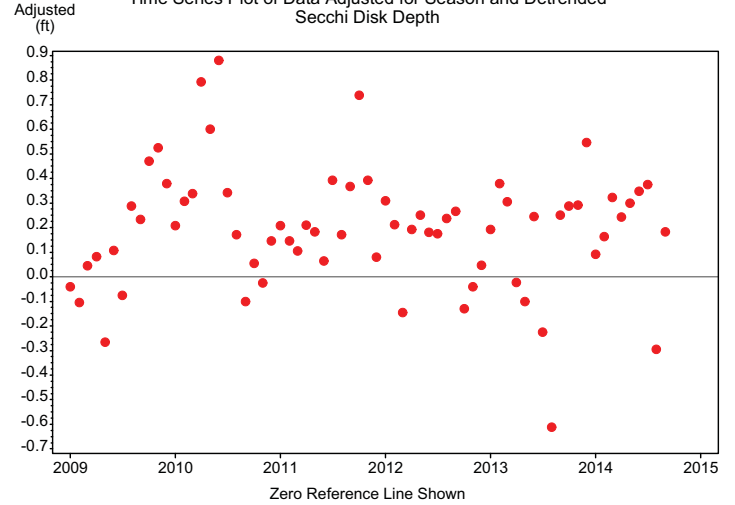
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.273	0.011	0.066	-0.05

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.27273	0.01148	0.066359	-0.05

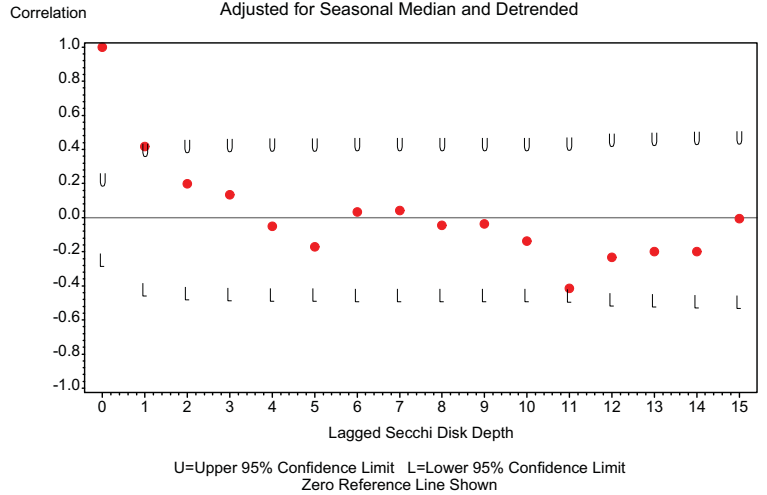
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



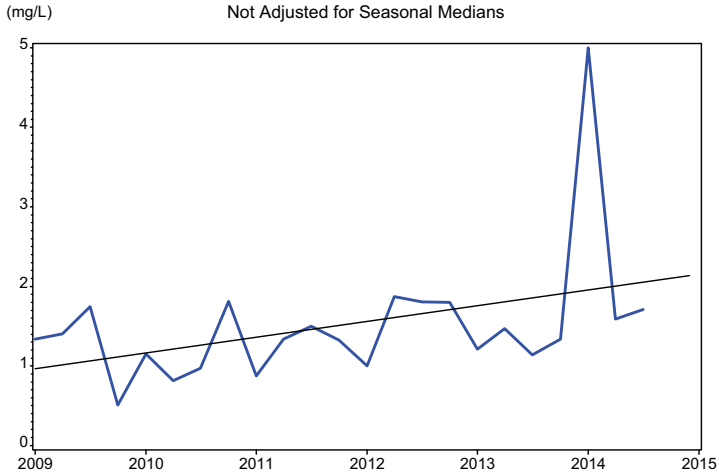
Faka Union North Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.417	0.204	0.408	-0.408
2	0.198	0.216	0.431	-0.431
3	0.134	0.218	0.436	-0.436
4	-0.051	0.219	0.439	-0.439
5	-0.172	0.219	0.439	-0.439
6	0.032	0.221	0.443	-0.443
7	0.041	0.221	0.443	-0.443
8	-0.044	0.221	0.443	-0.443
9	-0.036	0.222	0.443	-0.443
10	-0.139	0.222	0.443	-0.443
11	-0.414	0.223	0.446	-0.446
12	-0.232	0.233	0.467	-0.467
13	-0.198	0.237	0.473	-0.473
14	-0.200	0.239	0.478	-0.478
15	-0.007	0.241	0.482	-0.482

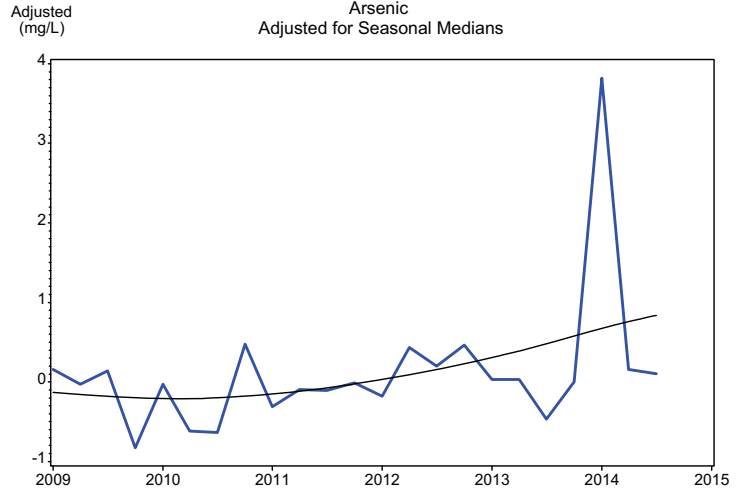
Faka Union North Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



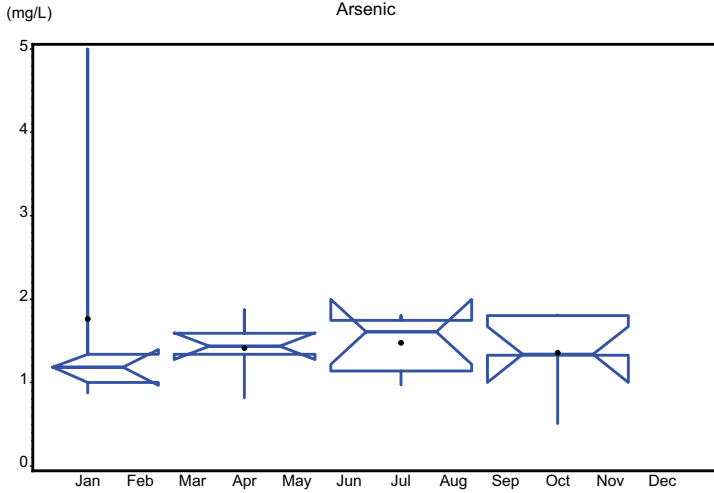
Faka Union North Trends Appendix
Monthly Data Time Series
Arsenic
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Arsenic
Adjusted for Seasonal Medians



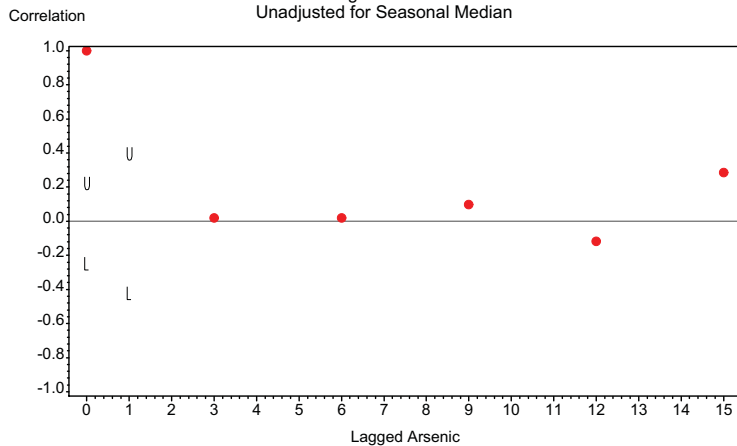
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Arsenic



Faka Union North Trends Appendix
Autocorrelation Statistics for Arsenic
Unadjusted for Seasonal Medians

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.019	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.019	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.097	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.119	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.284	.	.	.

Faka Union North Trends Appendix
Correlogram for Arsenic
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

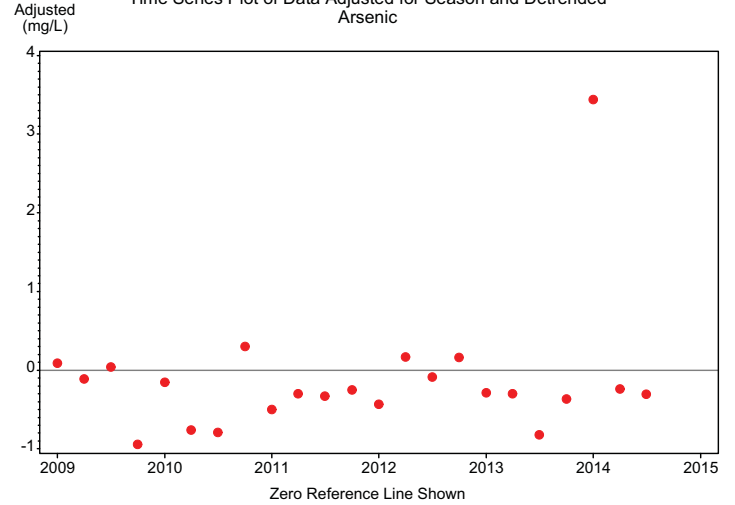
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Arsenic
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.236	0.234	0.301	0.064

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Arsenic
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.23636	0.23400	0.30050	0.0635

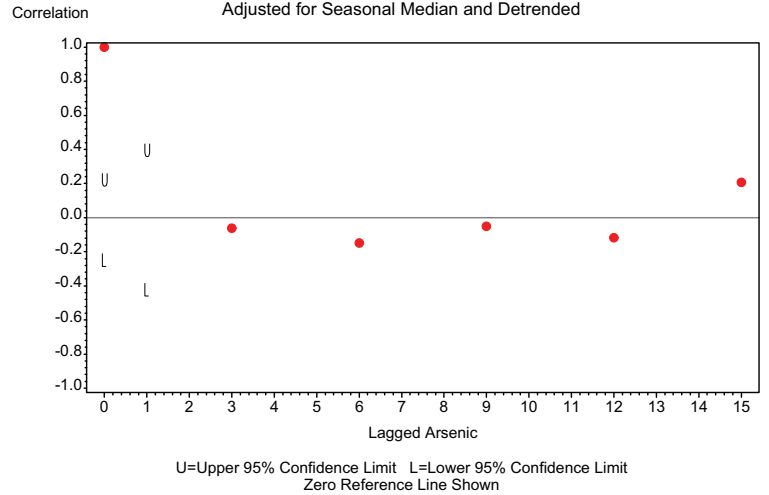
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Arsenic



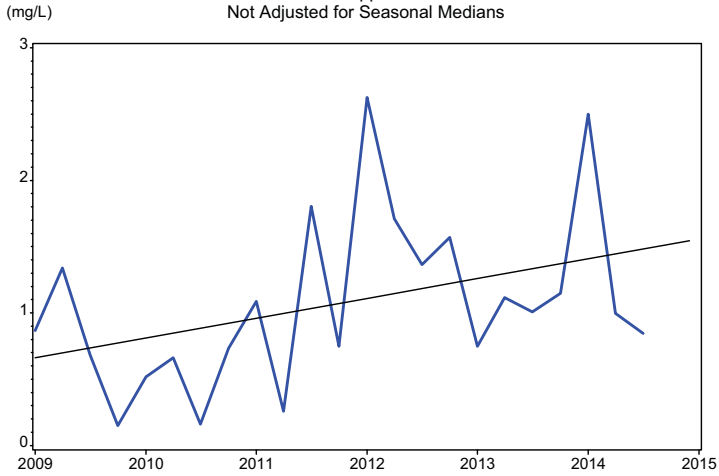
Faka Union North Trends Appendix
 Autocorrelation Statistics for Arsenic
 Adjusted for Seasonal Median and Detrended

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.063	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.150	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.050	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.118	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.208	.	.	.

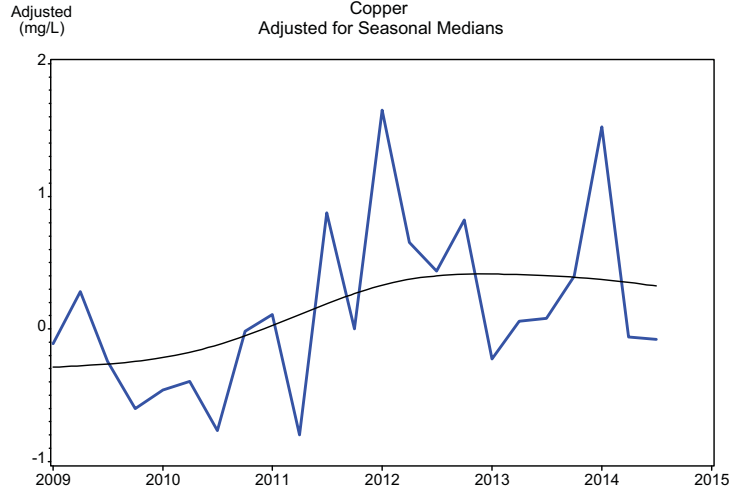
Faka Union North Trends Appendix
 Correlogram for Arsenic
 Adjusted for Seasonal Median and Detrended



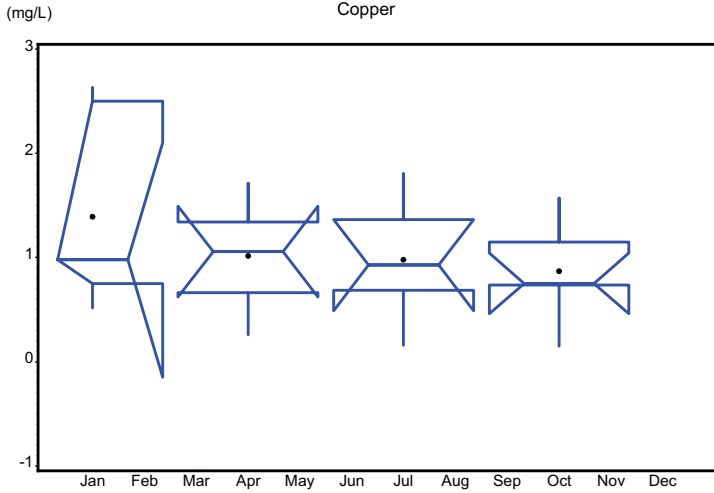
Faka Union North Trends Appendix
Monthly Data Time Series
Copper
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Copper
Adjusted for Seasonal Medians



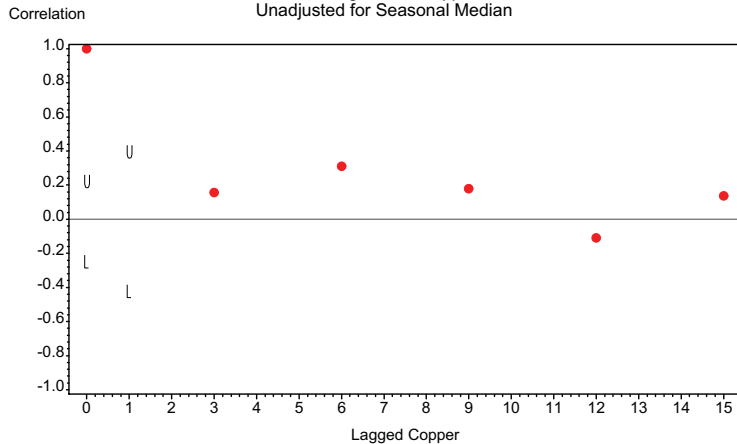
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Copper



Faka Union North Trends Appendix
Autocorrelation Statistics for Copper
Unadjusted for Seasonal Medians

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.156	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.311	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.178	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.110	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.138	.	.	.

Faka Union North Trends Appendix
Correlogram for Copper
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

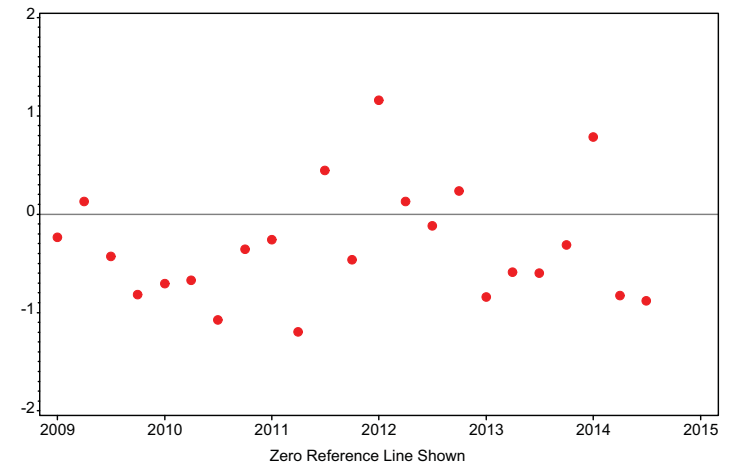
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Copper
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.236	0.234	0.412	0.123

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Copper
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.23636	0.23400	0.41241	0.12333

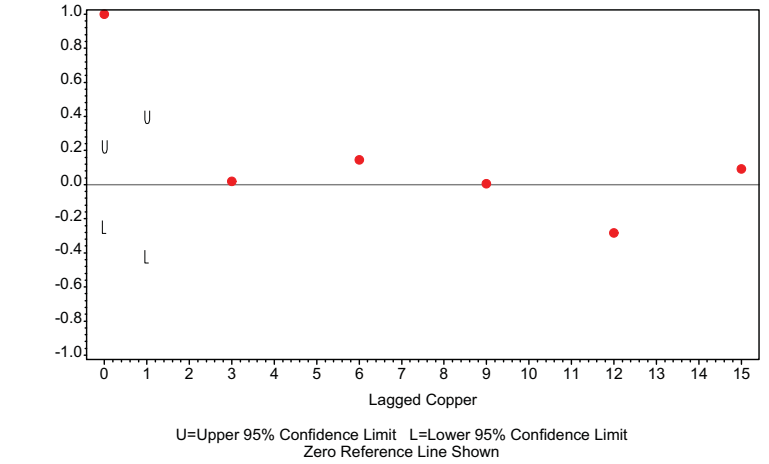
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Copper



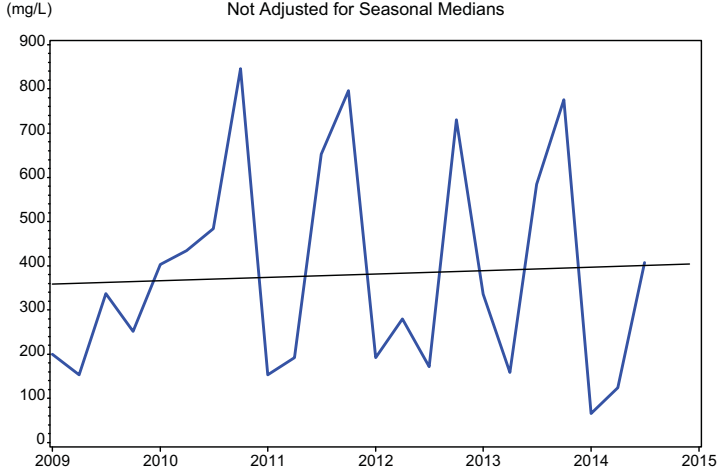
Faka Union North Trends Appendix
 Autocorrelation Statistics for Copper
 Adjusted for Seasonal Median and Detrended

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.019	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.145	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.006	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.284	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.092	.	.	.

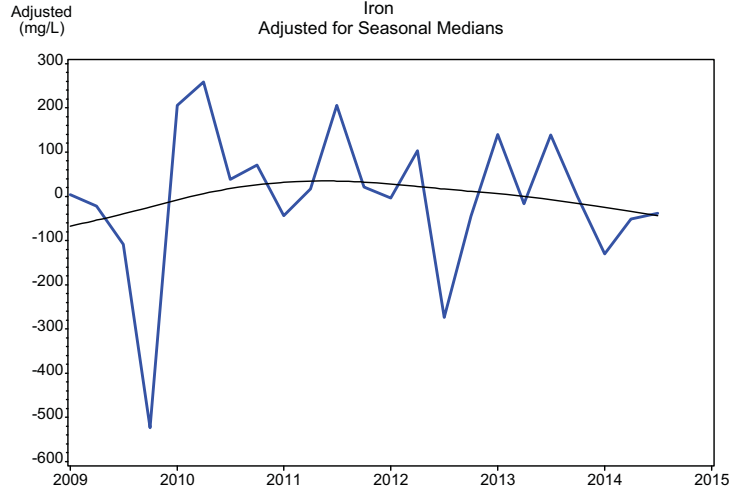
Faka Union North Trends Appendix
 Correlogram for Copper
 Adjusted for Seasonal Median and Detrended



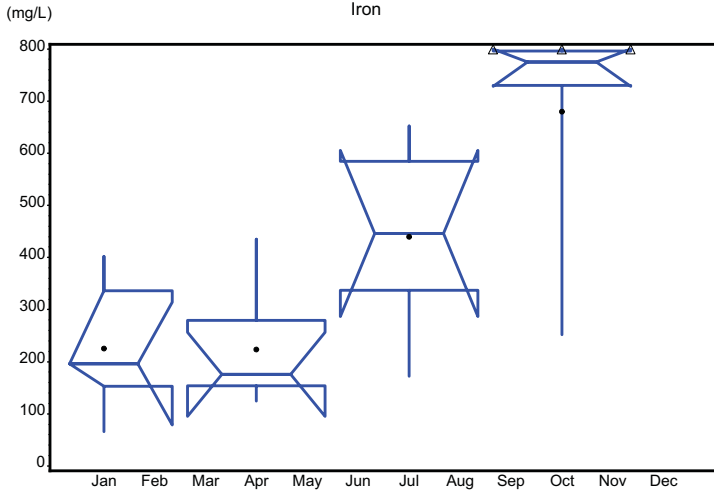
Faka Union North Trends Appendix
Monthly Data Time Series
Iron
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Iron
Adjusted for Seasonal Medians



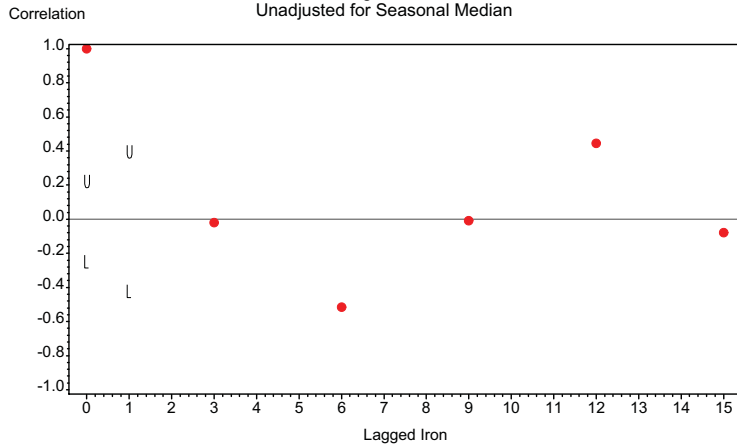
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Iron



Faka Union North Trends Appendix
Autocorrelation Statistics for Iron
Unadjusted for Seasonal Medians

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.019	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.516	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.009	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.445	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.080	.	.	.

Faka Union North Trends Appendix
Correlogram for Iron
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

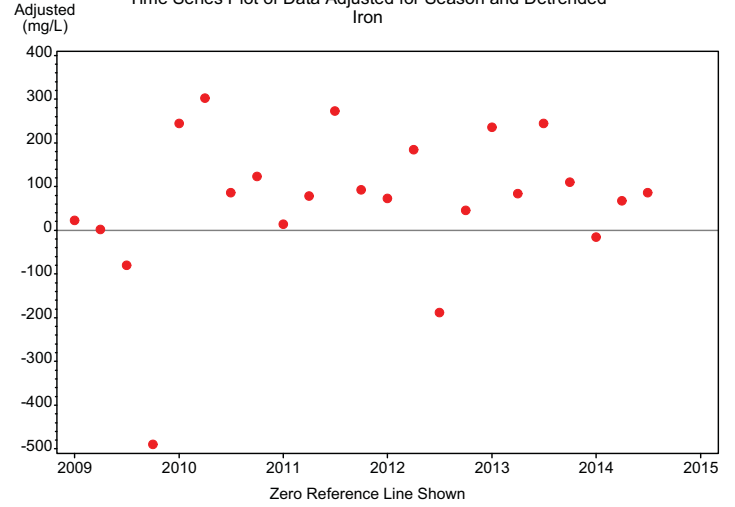
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Iron
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.164	0.428	0.571	-19.125

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Iron
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16364	0.42754	0.57129	-19.125

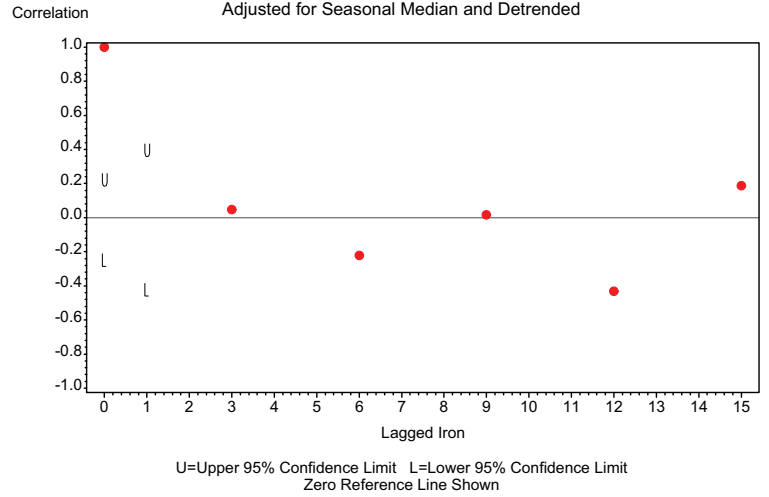
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Iron



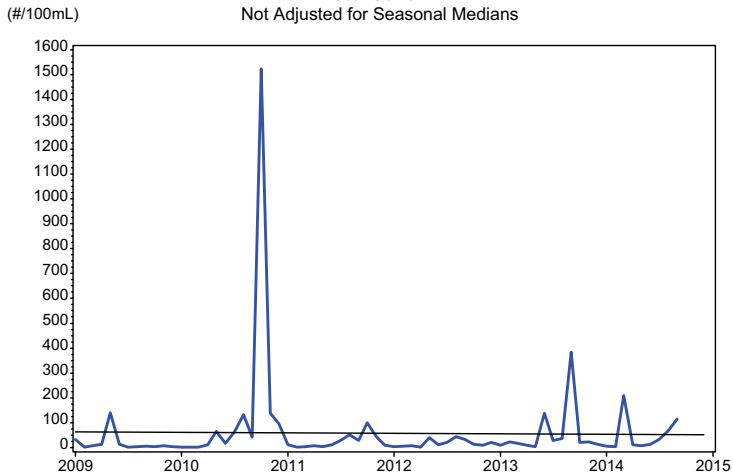
Faka Union North Trends Appendix
 Autocorrelation Statistics for Iron
 Adjusted for Seasonal Median and Detrended

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.047	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.222	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.017	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.432	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.187	.	.	.

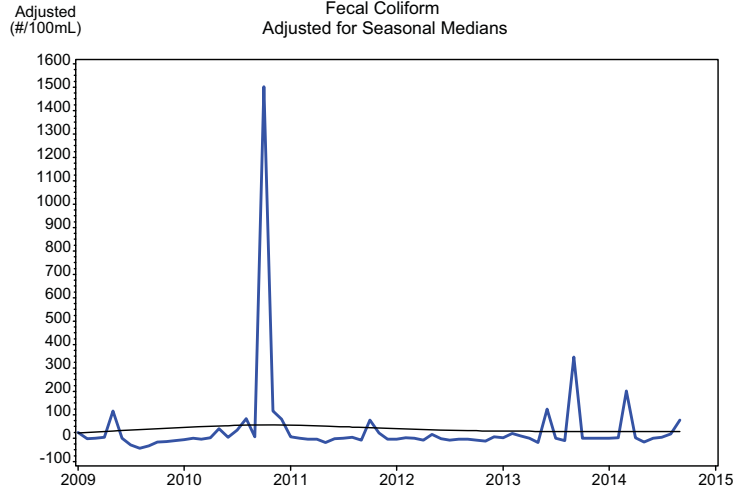
Faka Union North Trends Appendix
 Correlogram for Iron
 Adjusted for Seasonal Median and Detrended



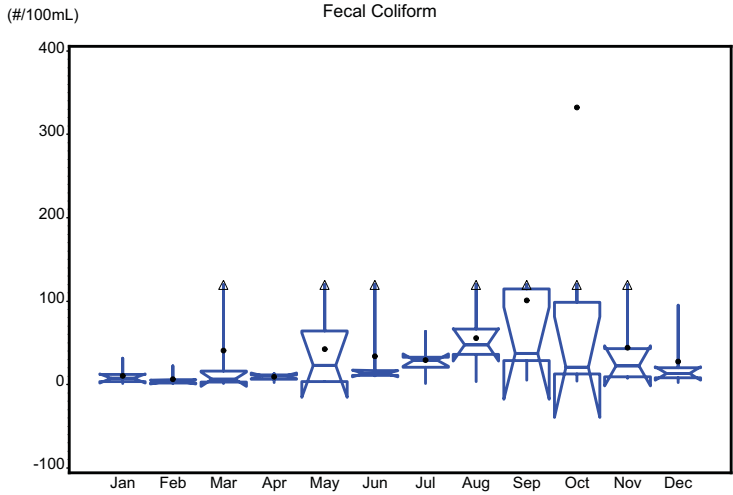
Faka Union North Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Faka Union North Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



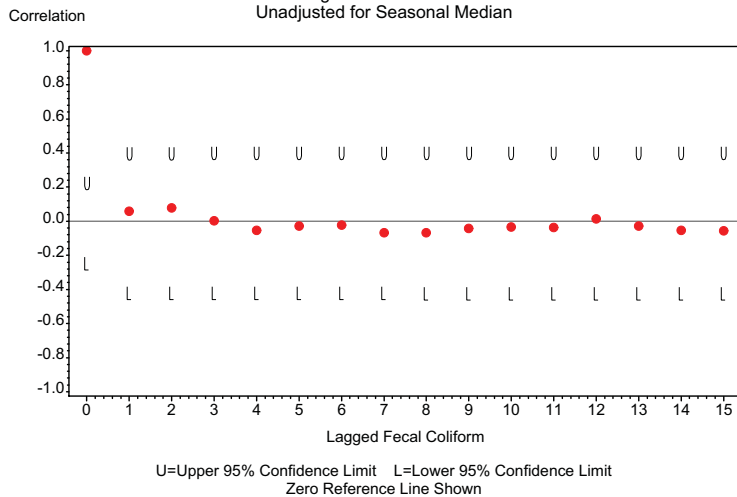
Faka Union North Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Faka Union North Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.059	0.204	0.408	-0.408
2	0.077	0.204	0.409	-0.409
3	0.002	0.205	0.410	-0.410
4	-0.055	0.205	0.410	-0.410
5	-0.029	0.205	0.410	-0.410
6	-0.024	0.205	0.410	-0.410
7	-0.067	0.205	0.410	-0.410
8	-0.067	0.205	0.411	-0.411
9	-0.042	0.206	0.411	-0.411
10	-0.034	0.206	0.412	-0.412
11	-0.038	0.206	0.412	-0.412
12	0.014	0.206	0.412	-0.412
13	-0.029	0.206	0.412	-0.412
14	-0.054	0.206	0.412	-0.412
15	-0.057	0.206	0.412	-0.412

Faka Union North Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



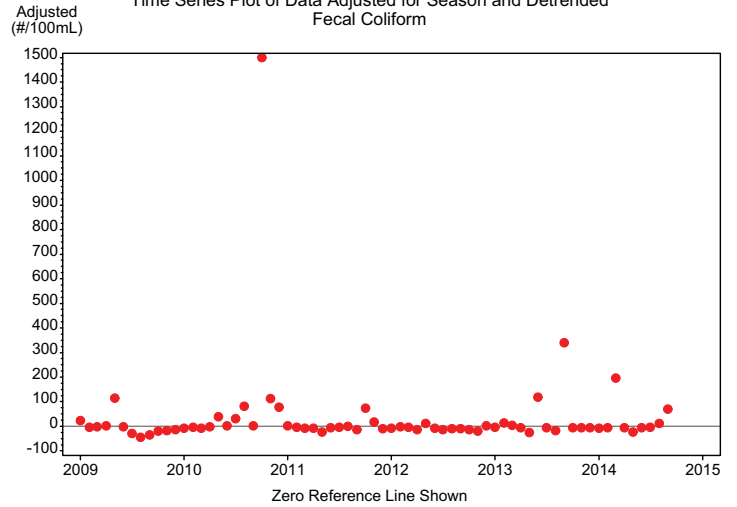
Faka Union North Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.145	0.187	0.34	1.111

Faka Union North Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.14546	0.18712	0.33984	1.111

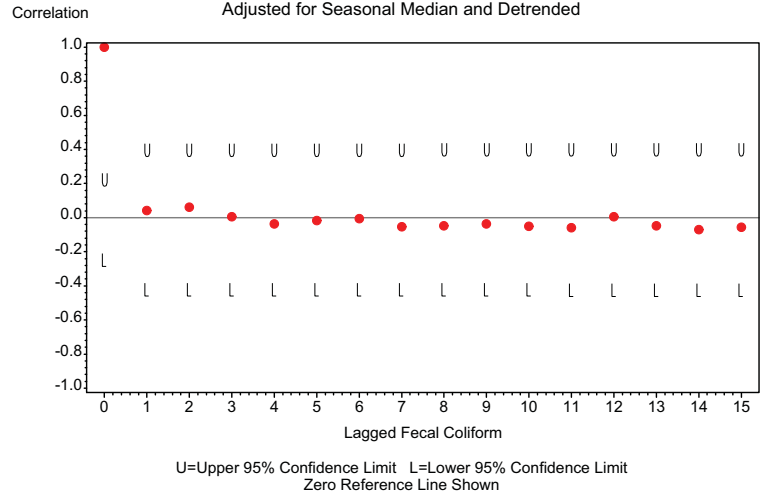
Faka Union North Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



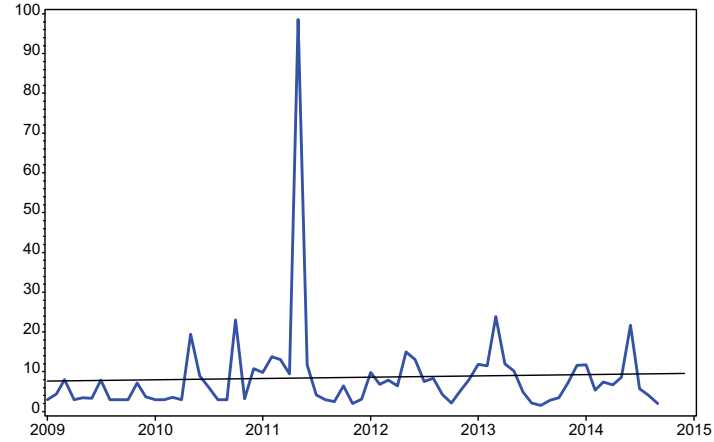
Faka Union North Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.042	0.204	0.408	-0.408
2	0.062	0.204	0.408	-0.408
3	0.005	0.205	0.409	-0.409
4	-0.038	0.205	0.409	-0.409
5	-0.017	0.205	0.409	-0.409
6	-0.007	0.205	0.409	-0.409
7	-0.054	0.205	0.409	-0.409
8	-0.048	0.205	0.410	-0.410
9	-0.038	0.205	0.410	-0.410
10	-0.051	0.205	0.410	-0.410
11	-0.058	0.205	0.411	-0.411
12	0.004	0.205	0.411	-0.411
13	-0.049	0.205	0.411	-0.411
14	-0.071	0.206	0.411	-0.411
15	-0.056	0.206	0.412	-0.412

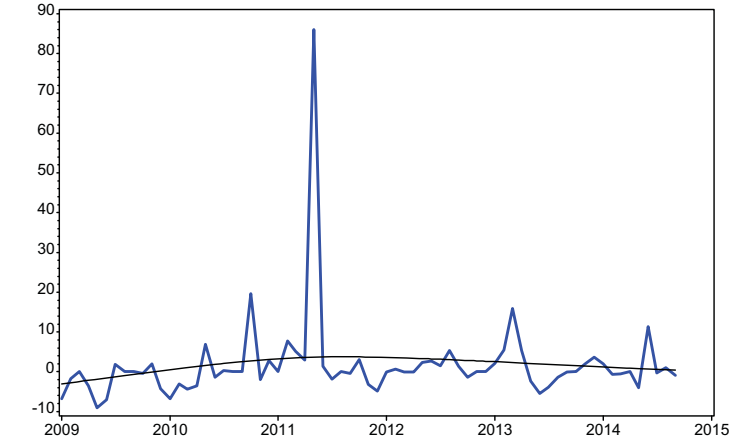
Faka Union North Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



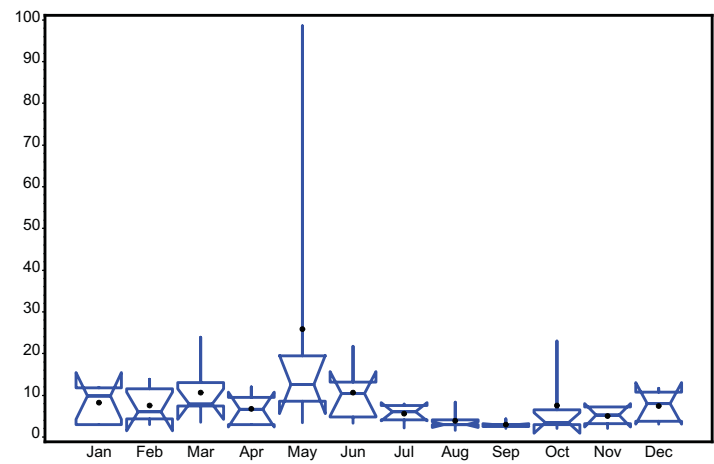
Faka Union South Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



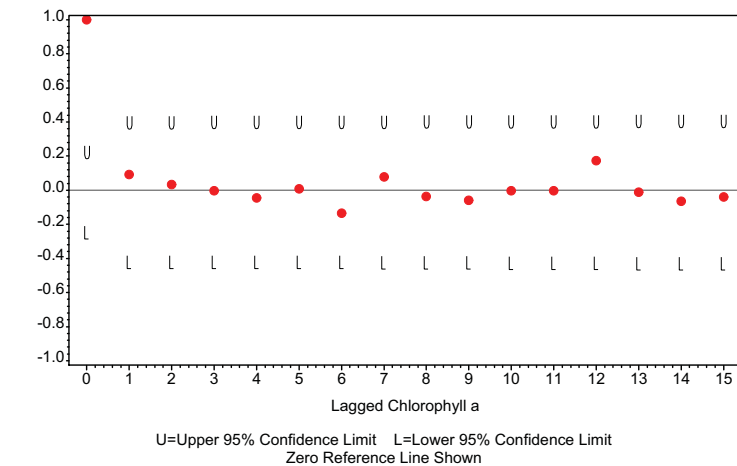
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Faka Union South Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.093	0.204	0.408	-0.408
2	0.033	0.205	0.409	-0.409
3	-0.004	0.205	0.410	-0.410
4	-0.046	0.205	0.410	-0.410
5	0.007	0.205	0.410	-0.410
6	-0.136	0.205	0.410	-0.410
7	0.077	0.206	0.412	-0.412
8	-0.036	0.207	0.413	-0.413
9	-0.060	0.207	0.413	-0.413
10	-0.002	0.207	0.414	-0.414
11	-0.002	0.207	0.414	-0.414
12	0.174	0.207	0.414	-0.414
13	-0.011	0.209	0.418	-0.418
14	-0.064	0.209	0.418	-0.418
15	-0.040	0.209	0.418	-0.418

Faka Union South Trends Appendix
Corelogram for Chlorophyll a
Unadjusted for Seasonal Median



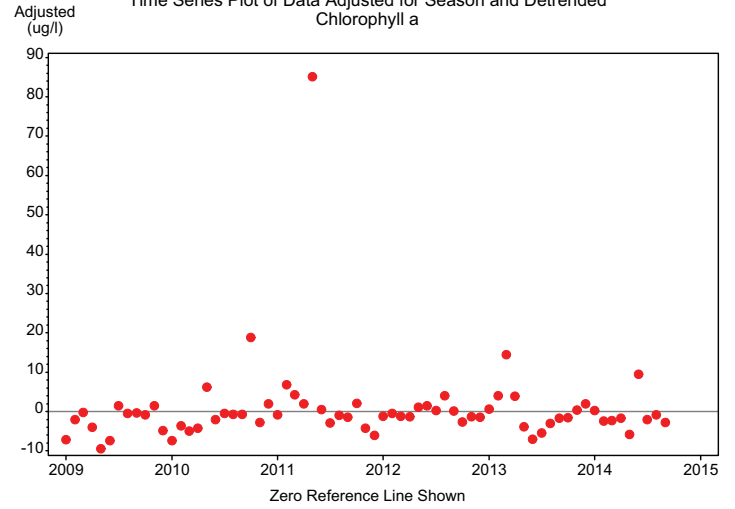
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.127	0.247	0.21	0.283

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12727	0.24690	0.20981	0.28333

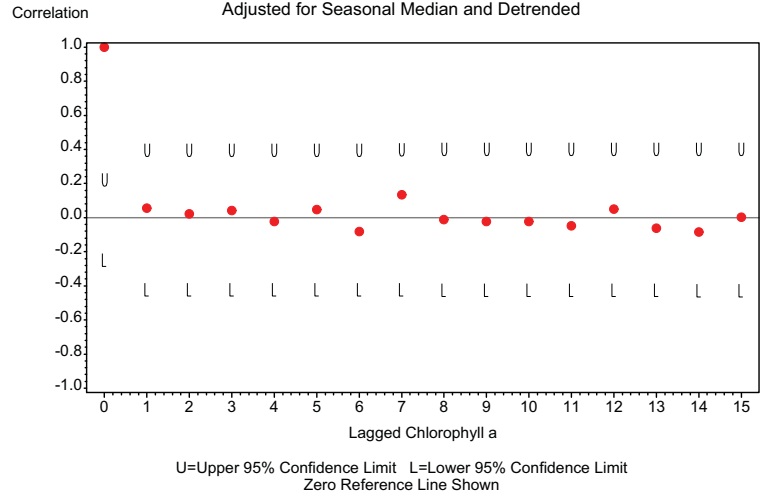
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



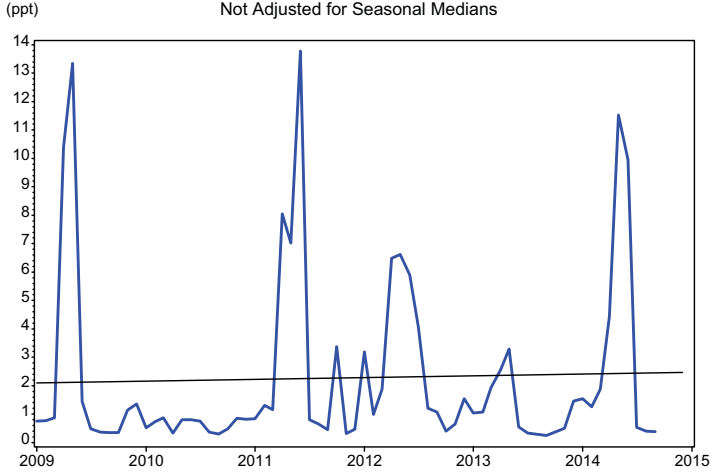
Faka Union South Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.055	0.204	0.408	-0.408
2	0.023	0.204	0.409	-0.409
3	0.041	0.204	0.409	-0.409
4	-0.024	0.204	0.409	-0.409
5	0.046	0.205	0.409	-0.409
6	-0.083	0.205	0.409	-0.409
7	0.133	0.205	0.410	-0.410
8	-0.013	0.206	0.413	-0.413
9	-0.023	0.206	0.413	-0.413
10	-0.022	0.206	0.413	-0.413
11	-0.049	0.206	0.413	-0.413
12	0.050	0.207	0.413	-0.413
13	-0.063	0.207	0.413	-0.413
14	-0.085	0.207	0.414	-0.414
15	0.003	0.208	0.415	-0.415

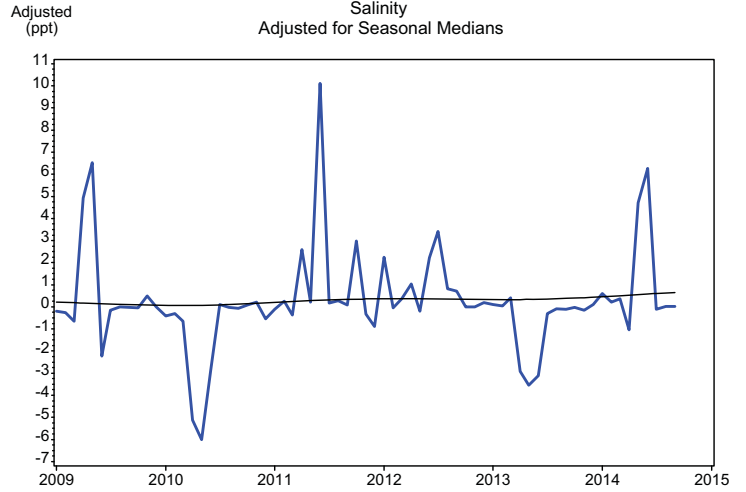
Faka Union South Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



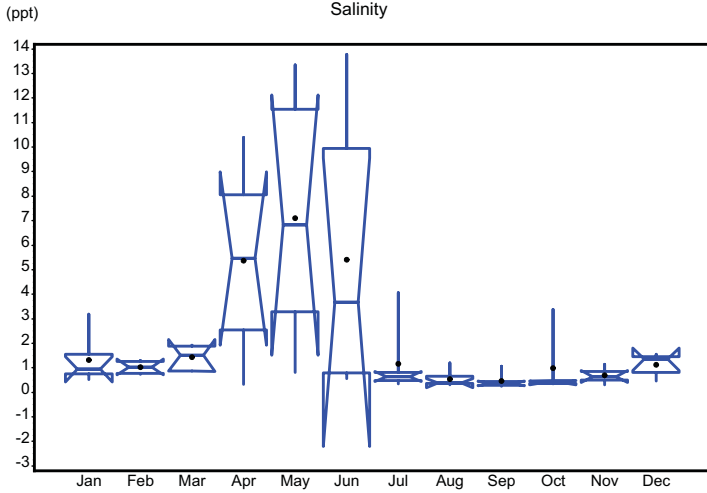
Faka Union South Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



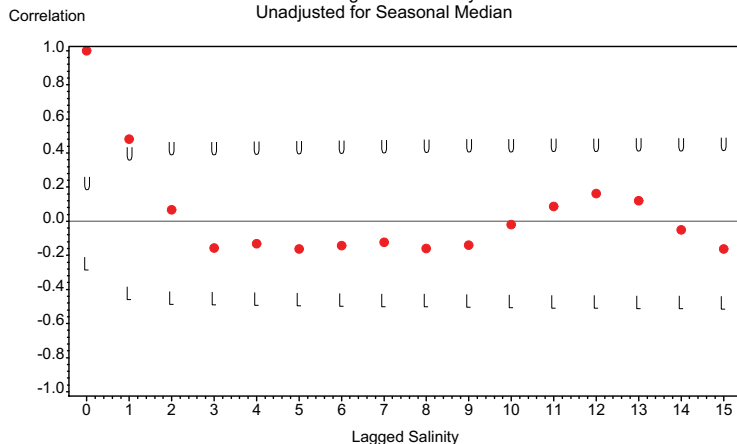
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Salinity



Faka Union South Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.480	0.204	0.408	-0.408
2	0.066	0.219	0.438	-0.438
3	-0.158	0.219	0.439	-0.439
4	-0.132	0.221	0.442	-0.442
5	-0.162	0.222	0.444	-0.444
6	-0.142	0.224	0.448	-0.448
7	-0.123	0.225	0.450	-0.450
8	-0.160	0.226	0.452	-0.452
9	-0.140	0.228	0.455	-0.455
10	-0.019	0.229	0.457	-0.457
11	0.086	0.229	0.458	-0.458
12	0.163	0.229	0.458	-0.458
13	0.121	0.231	0.462	-0.462
14	-0.051	0.232	0.463	-0.463
15	-0.162	0.232	0.464	-0.464

Faka Union South Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

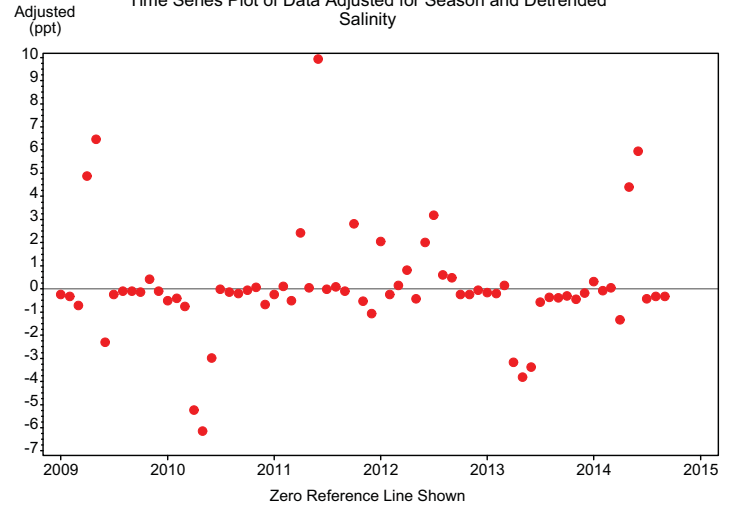
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.127	0.252	0.525	0.05

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12727	0.25213	0.52452	0.05

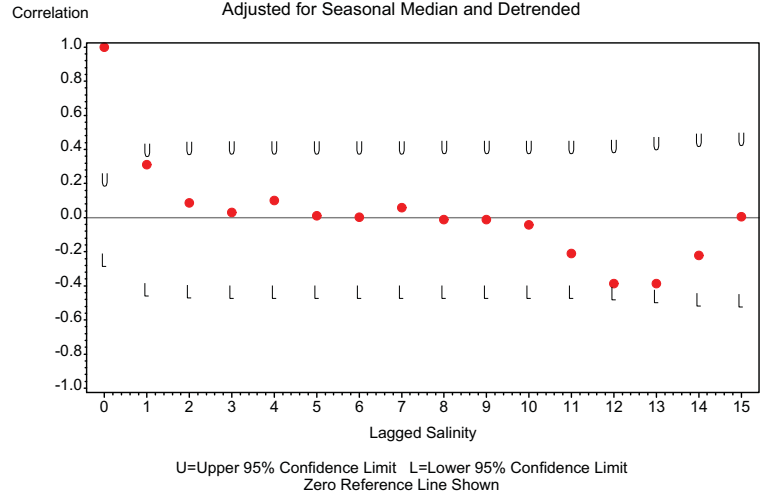
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



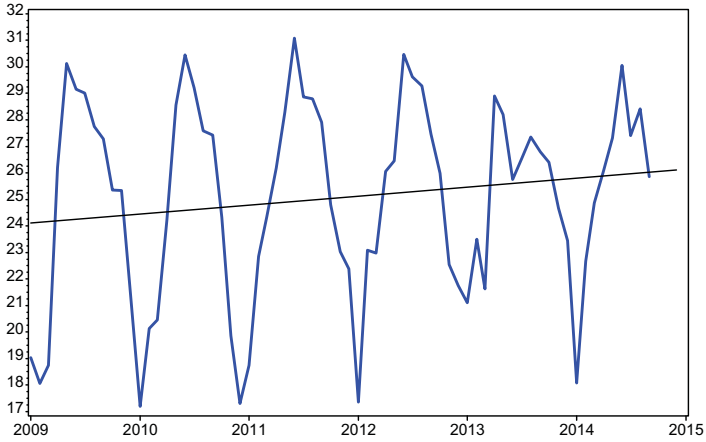
Faka Union South Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.309	0.204	0.408	-0.408
2	0.085	0.211	0.421	-0.421
3	0.031	0.211	0.422	-0.422
4	0.099	0.211	0.422	-0.422
5	0.010	0.212	0.423	-0.423
6	0.003	0.212	0.423	-0.423
7	0.057	0.212	0.423	-0.423
8	-0.011	0.212	0.424	-0.424
9	-0.012	0.212	0.424	-0.424
10	-0.043	0.212	0.424	-0.424
11	-0.210	0.212	0.424	-0.424
12	-0.387	0.215	0.430	-0.430
13	-0.387	0.224	0.449	-0.449
14	-0.223	0.234	0.467	-0.467
15	0.006	0.236	0.473	-0.473

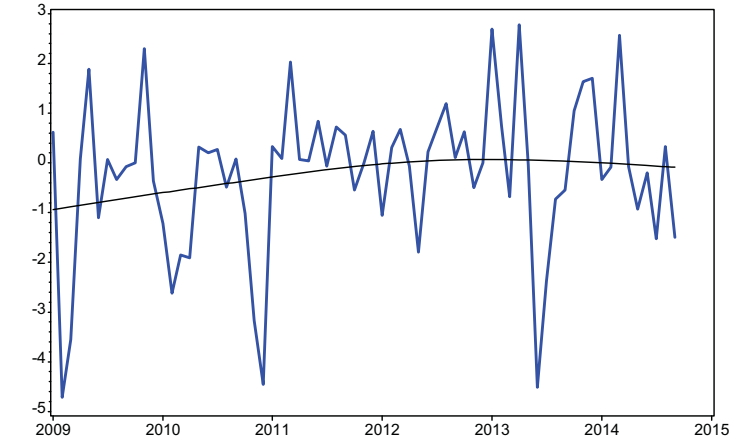
Faka Union South Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



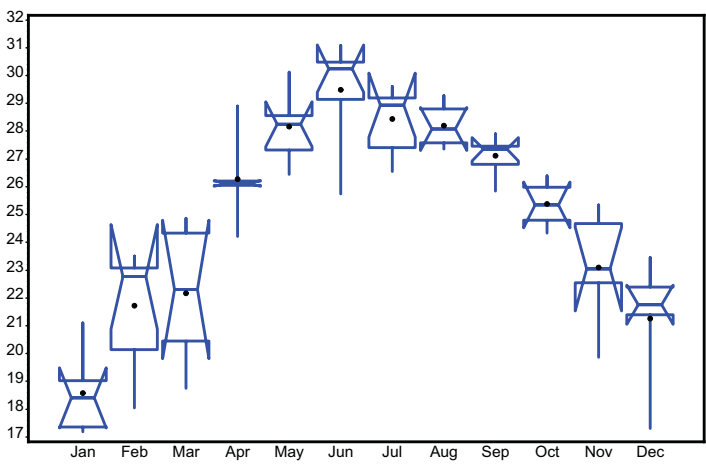
Faka Union South Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



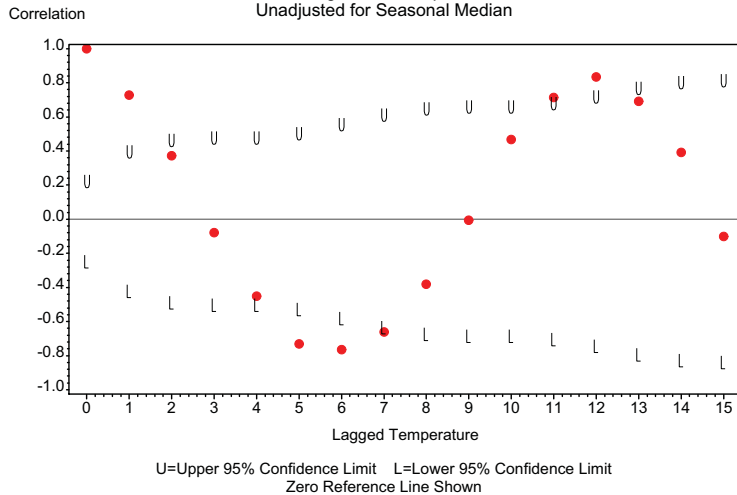
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Temperature



Faka Union South Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.727	0.204	0.408	-0.408
2	0.371	0.237	0.475	-0.475
3	-0.080	0.245	0.491	-0.491
4	-0.452	0.246	0.491	-0.491
5	-0.730	0.257	0.514	-0.514
6	-0.764	0.284	0.569	-0.569
7	-0.662	0.311	0.623	-0.623
8	-0.380	0.330	0.661	-0.661
9	-0.007	0.336	0.673	-0.673
10	0.468	0.336	0.673	-0.673
11	0.713	0.345	0.691	-0.691
12	0.835	0.365	0.730	-0.730
13	0.690	0.391	0.782	-0.782
14	0.392	0.407	0.815	-0.815
15	-0.101	0.413	0.825	-0.825

Faka Union South Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



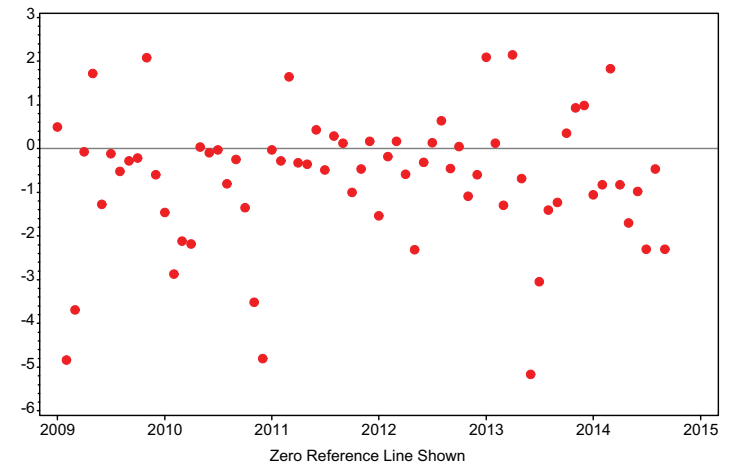
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.647	0.714	0.121

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.64690	0.71376	0.121

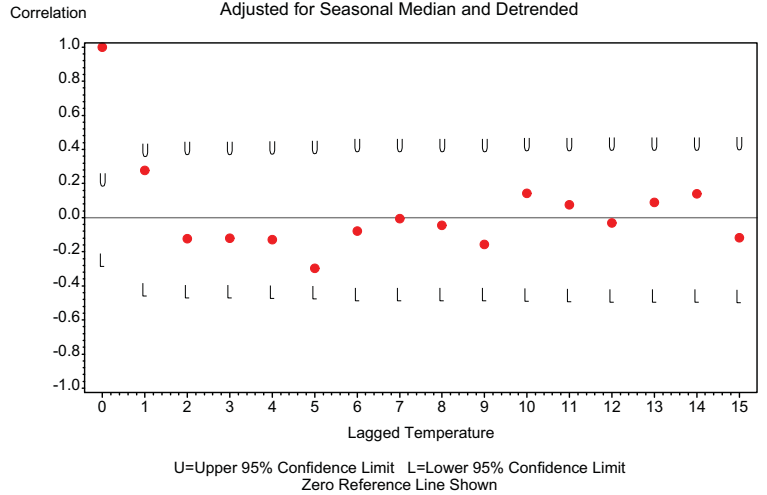
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



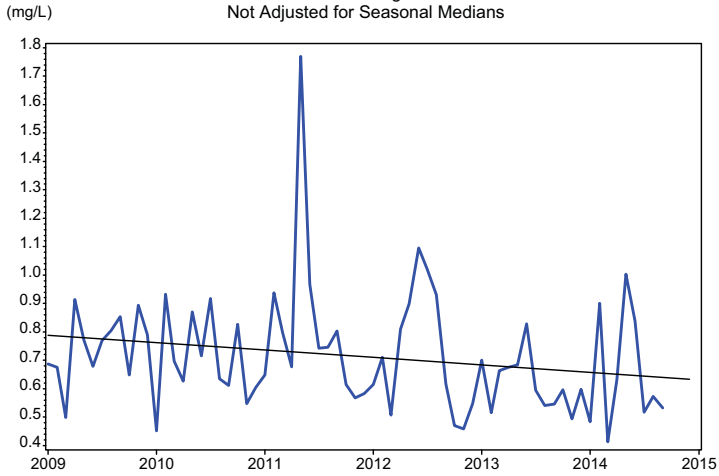
Faka Union South Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.278	0.204	0.408	-0.408
2	-0.124	0.209	0.419	-0.419
3	-0.122	0.210	0.421	-0.421
4	-0.129	0.211	0.423	-0.423
5	-0.298	0.212	0.425	-0.425
6	-0.078	0.218	0.436	-0.436
7	-0.006	0.219	0.437	-0.437
8	-0.046	0.219	0.437	-0.437
9	-0.158	0.219	0.437	-0.437
10	0.142	0.220	0.441	-0.441
11	0.075	0.222	0.443	-0.443
12	-0.030	0.222	0.444	-0.444
13	0.088	0.222	0.444	-0.444
14	0.139	0.222	0.445	-0.445
15	-0.118	0.224	0.447	-0.447

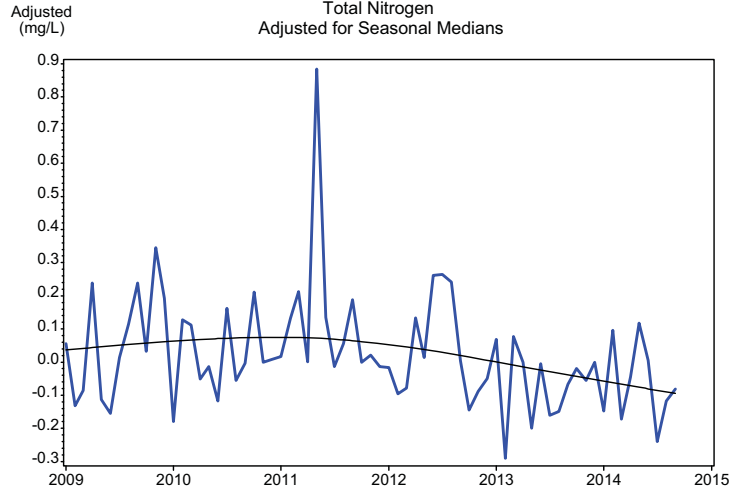
Faka Union South Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



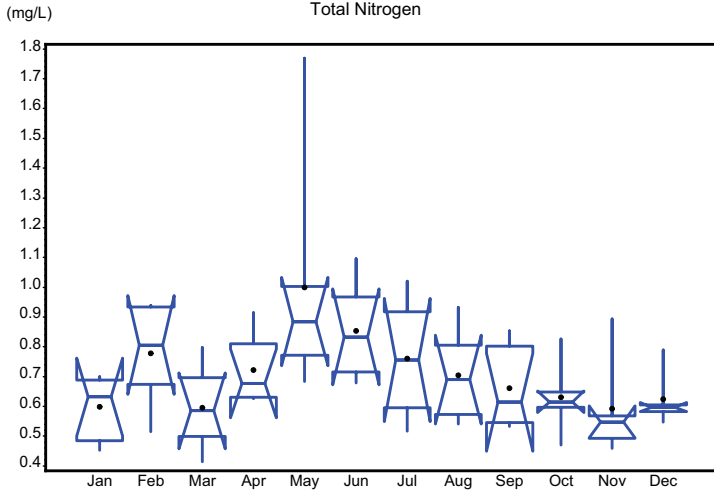
Faka Union South Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



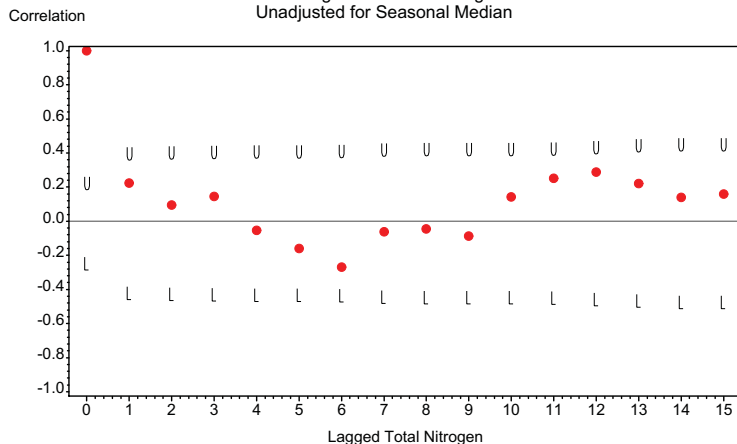
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Faka Union South Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.223	0.204	0.408	-0.408
2	0.094	0.207	0.415	-0.415
3	0.146	0.208	0.416	-0.416
4	-0.053	0.209	0.419	-0.419
5	-0.160	0.210	0.419	-0.419
6	-0.270	0.211	0.423	-0.423
7	-0.061	0.216	0.432	-0.432
8	-0.045	0.216	0.433	-0.433
9	-0.087	0.216	0.433	-0.433
10	0.141	0.217	0.434	-0.434
11	0.252	0.218	0.436	-0.436
12	0.288	0.222	0.444	-0.444
13	0.221	0.227	0.455	-0.455
14	0.139	0.230	0.461	-0.461
15	0.158	0.231	0.463	-0.463

Faka Union South Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

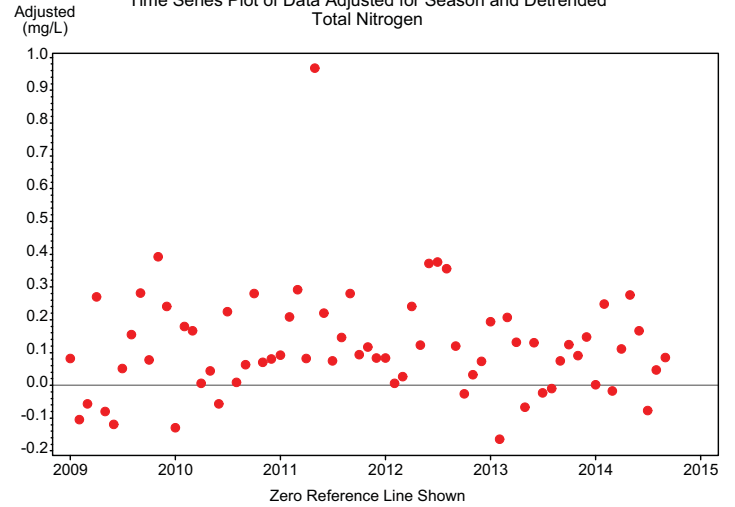
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.248	0.022	0.108	-0.025

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.24849	0.021999	0.10770	-0.025

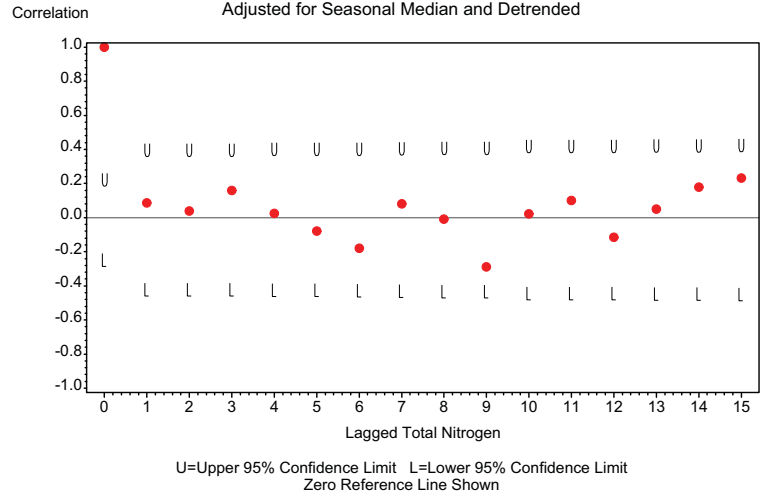
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



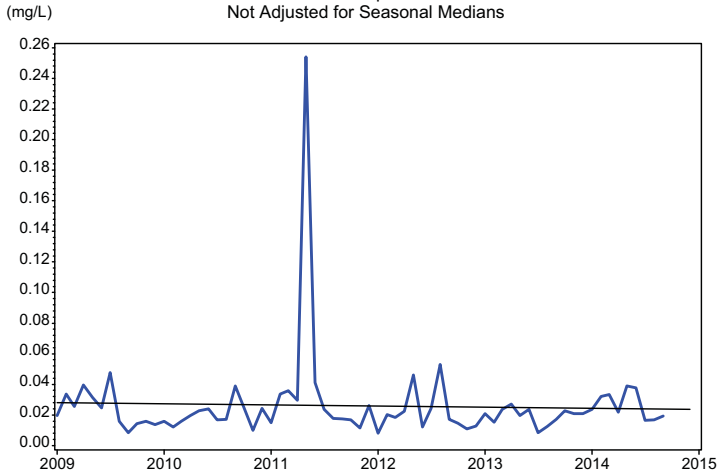
Faka Union South Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.087	0.204	0.408	-0.408
2	0.039	0.205	0.409	-0.409
3	0.159	0.205	0.409	-0.409
4	0.026	0.206	0.413	-0.413
5	-0.079	0.206	0.413	-0.413
6	-0.179	0.207	0.414	-0.414
7	0.081	0.209	0.418	-0.418
8	-0.008	0.209	0.419	-0.419
9	-0.289	0.209	0.419	-0.419
10	0.022	0.215	0.430	-0.430
11	0.100	0.215	0.430	-0.430
12	-0.114	0.216	0.431	-0.431
13	0.051	0.216	0.433	-0.433
14	0.178	0.217	0.433	-0.433
15	0.232	0.219	0.437	-0.437

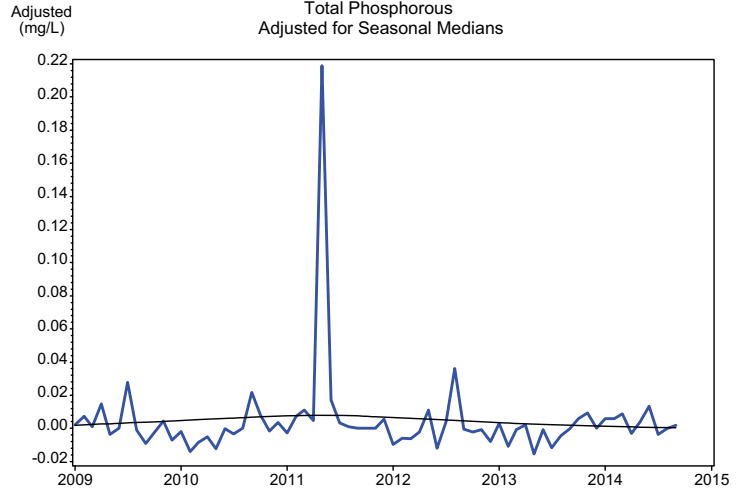
Faka Union South Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



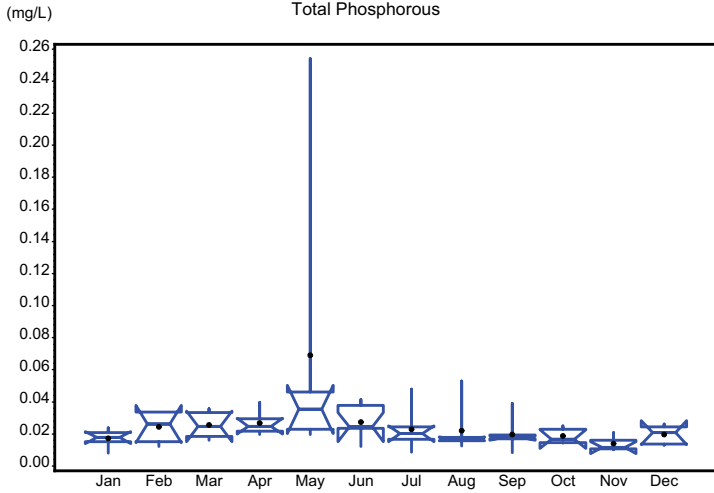
Faka Union South Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



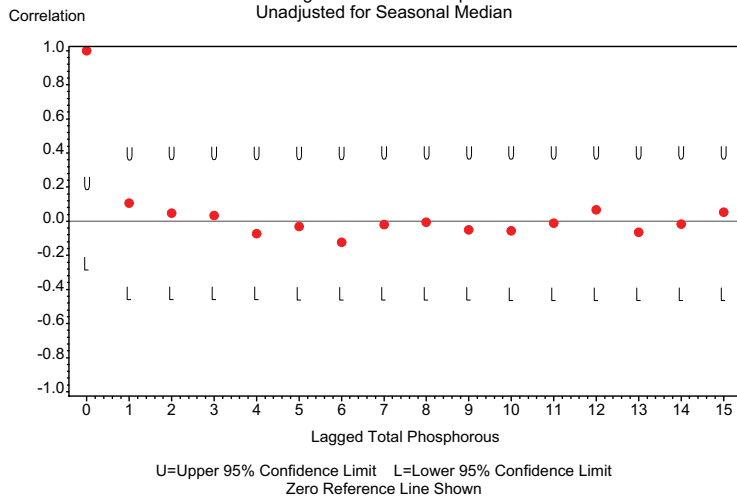
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Faka Union South Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.106	0.204	0.408	-0.408
2	0.046	0.205	0.410	-0.410
3	0.034	0.205	0.410	-0.410
4	-0.073	0.205	0.410	-0.410
5	-0.032	0.205	0.411	-0.411
6	-0.125	0.206	0.411	-0.411
7	-0.020	0.207	0.413	-0.413
8	-0.007	0.207	0.413	-0.413
9	-0.052	0.207	0.413	-0.413
10	-0.056	0.207	0.414	-0.414
11	-0.011	0.207	0.414	-0.414
12	0.067	0.207	0.414	-0.414
13	-0.065	0.207	0.415	-0.415
14	-0.016	0.208	0.415	-0.415
15	0.054	0.208	0.415	-0.415

Faka Union South Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



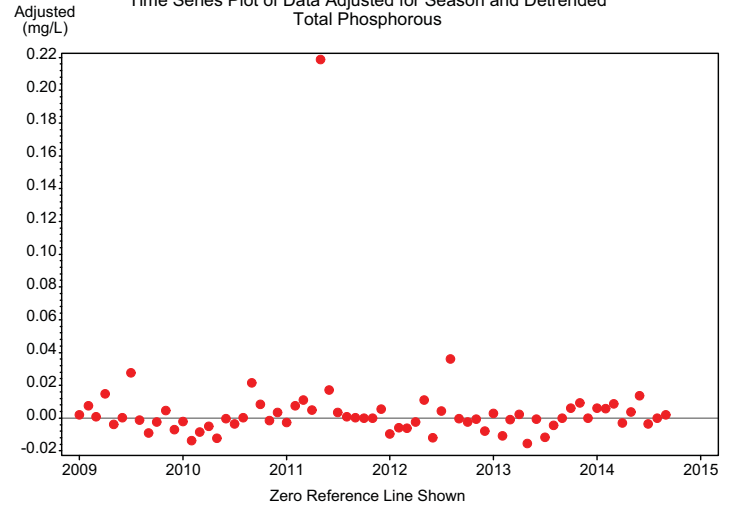
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-.006	1	1	0

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.00606061	1	1	0

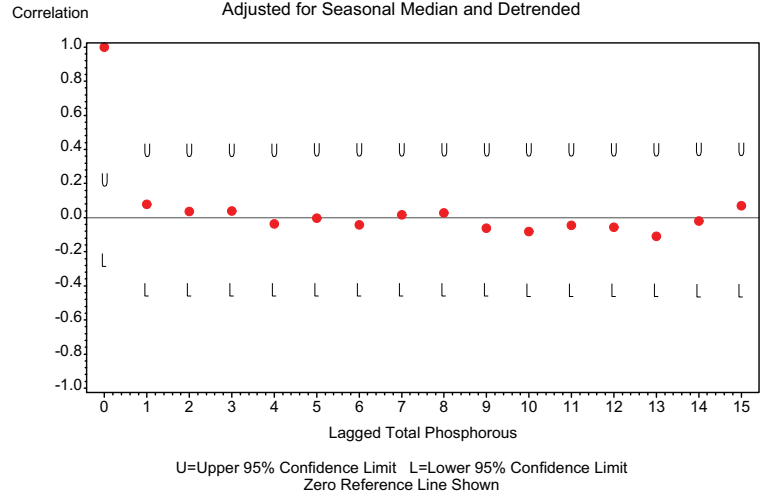
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



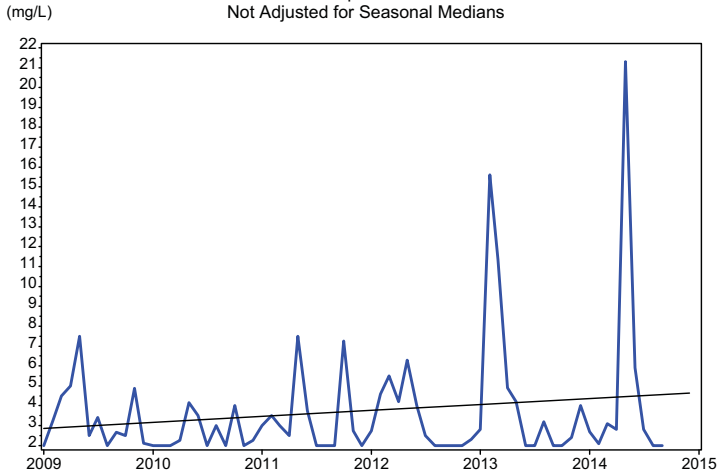
Faka Union South Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.078	0.204	0.408	-0.408
2	0.035	0.205	0.409	-0.409
3	0.039	0.205	0.409	-0.409
4	-0.038	0.205	0.409	-0.409
5	-0.002	0.205	0.410	-0.410
6	-0.043	0.205	0.410	-0.410
7	0.015	0.205	0.410	-0.410
8	0.027	0.205	0.410	-0.410
9	-0.062	0.205	0.410	-0.410
10	-0.083	0.205	0.411	-0.411
11	-0.046	0.206	0.411	-0.411
12	-0.057	0.206	0.412	-0.412
13	-0.109	0.206	0.412	-0.412
14	-0.021	0.207	0.414	-0.414
15	0.069	0.207	0.414	-0.414

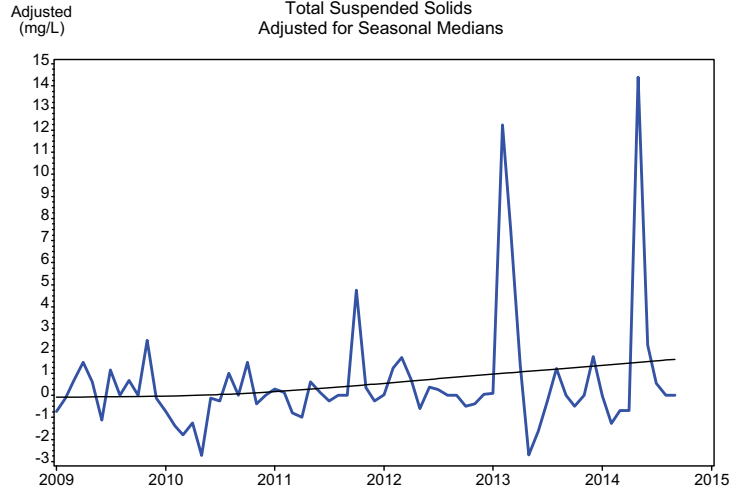
Faka Union South Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



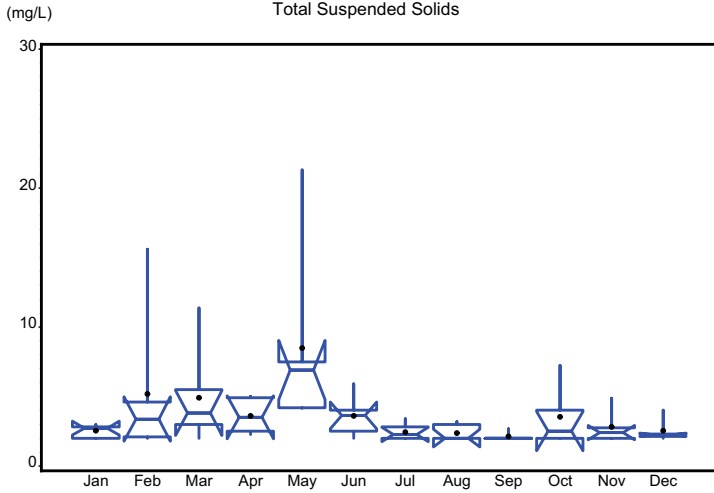
Faka Union South Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



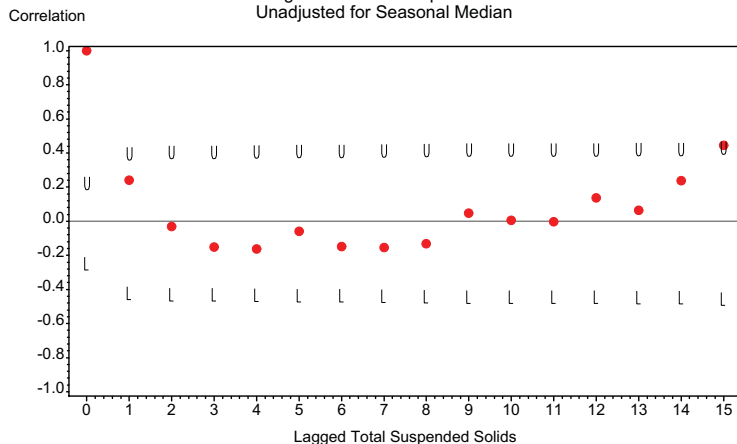
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Faka Union South Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.240	0.204	0.408	-0.408
2	-0.030	0.208	0.416	-0.416
3	-0.152	0.208	0.416	-0.416
4	-0.162	0.210	0.419	-0.419
5	-0.060	0.211	0.423	-0.423
6	-0.150	0.212	0.423	-0.423
7	-0.154	0.213	0.426	-0.426
8	-0.131	0.215	0.429	-0.429
9	0.048	0.216	0.431	-0.431
10	0.006	0.216	0.432	-0.432
11	-0.004	0.216	0.432	-0.432
12	0.136	0.216	0.432	-0.432
13	0.064	0.217	0.434	-0.434
14	0.238	0.217	0.435	-0.435
15	0.446	0.221	0.442	-0.442

Faka Union South Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

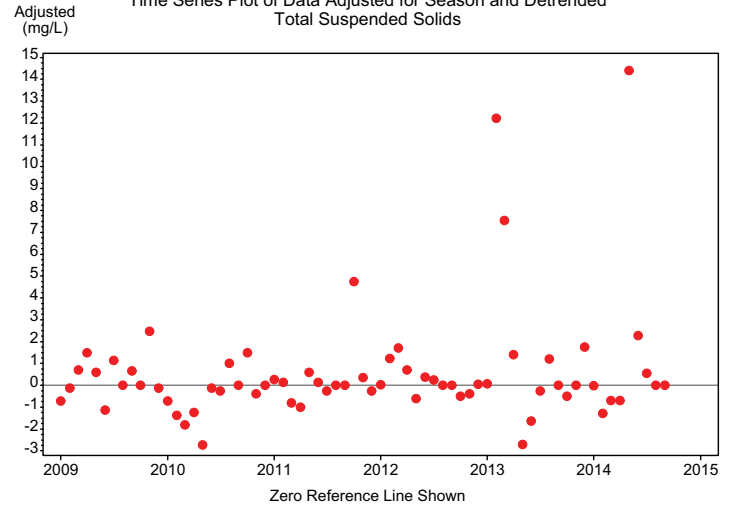
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.121	0.249	0.334	0

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12121	0.24930	0.33434	0

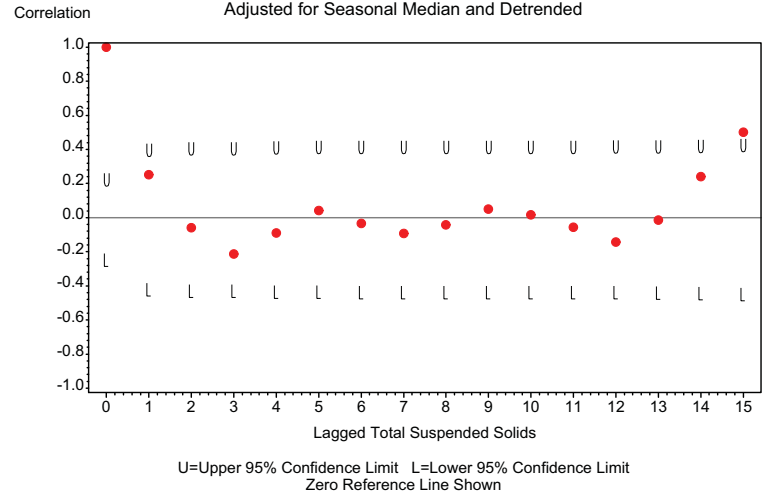
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



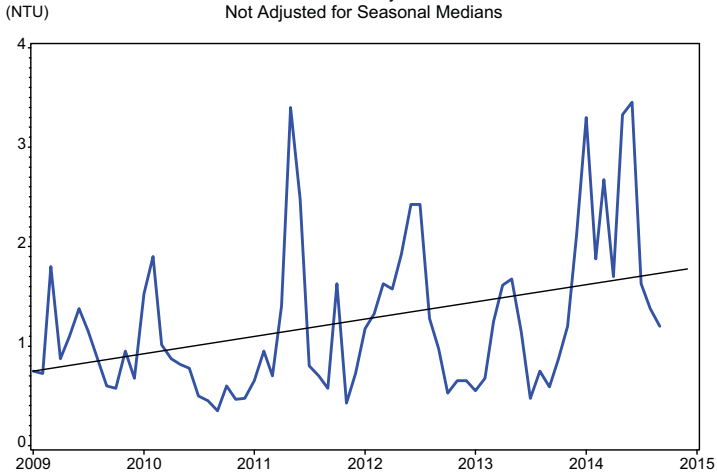
Faka Union South Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.251	0.204	0.408	-0.408
2	-0.060	0.208	0.417	-0.417
3	-0.212	0.209	0.417	-0.417
4	-0.091	0.212	0.423	-0.423
5	0.042	0.212	0.424	-0.424
6	-0.035	0.212	0.425	-0.425
7	-0.094	0.212	0.425	-0.425
8	-0.042	0.213	0.426	-0.426
9	0.051	0.213	0.426	-0.426
10	0.015	0.213	0.426	-0.426
11	-0.056	0.213	0.426	-0.426
12	-0.143	0.213	0.427	-0.427
13	-0.014	0.215	0.429	-0.429
14	0.241	0.215	0.430	-0.430
15	0.502	0.218	0.437	-0.437

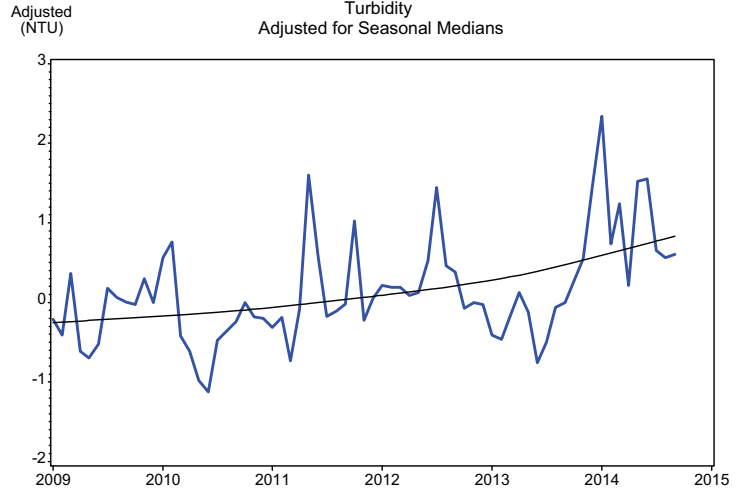
Faka Union South Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



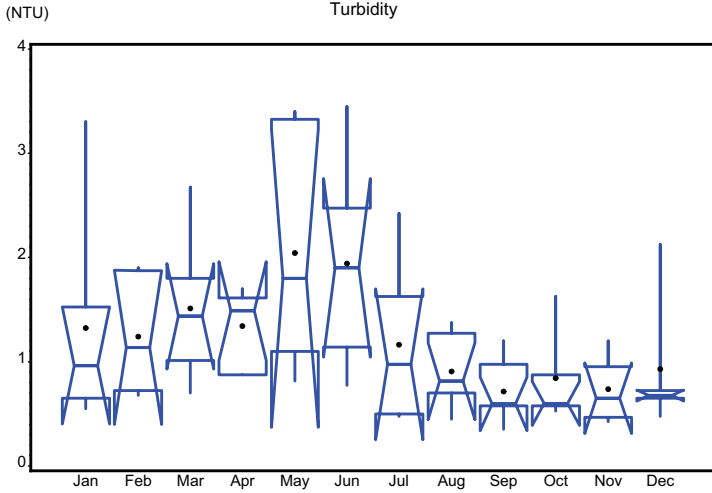
Faka Union South Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



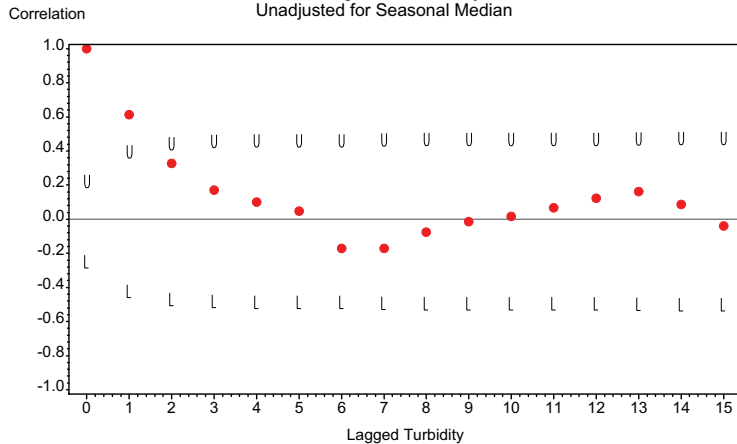
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Turbidity



Faka Union South Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.614	0.204	0.408	-0.408
2	0.326	0.228	0.457	-0.457
3	0.170	0.235	0.469	-0.469
4	0.100	0.236	0.473	-0.473
5	0.047	0.237	0.474	-0.474
6	-0.172	0.237	0.474	-0.474
7	-0.171	0.239	0.478	-0.478
8	-0.076	0.241	0.481	-0.481
9	-0.015	0.241	0.482	-0.482
10	0.017	0.241	0.482	-0.482
11	0.066	0.241	0.482	-0.482
12	0.122	0.241	0.482	-0.482
13	0.162	0.242	0.484	-0.484
14	0.086	0.244	0.487	-0.487
15	-0.040	0.244	0.488	-0.488

Faka Union South Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

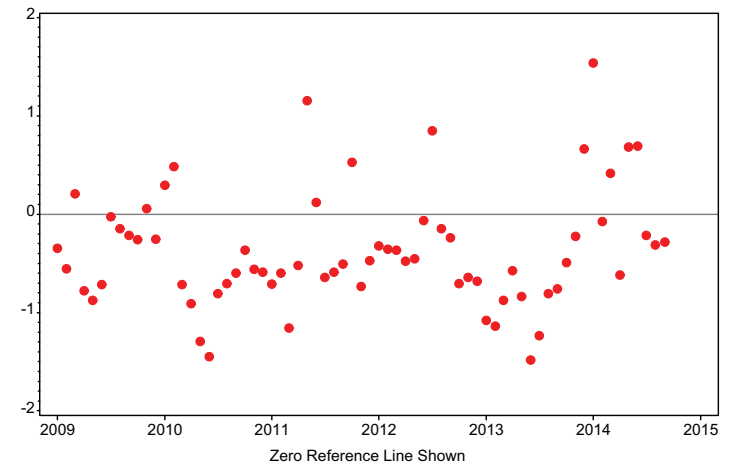
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.315	.003	0.111	0.133

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.31515	.00344384	0.11064	0.13333

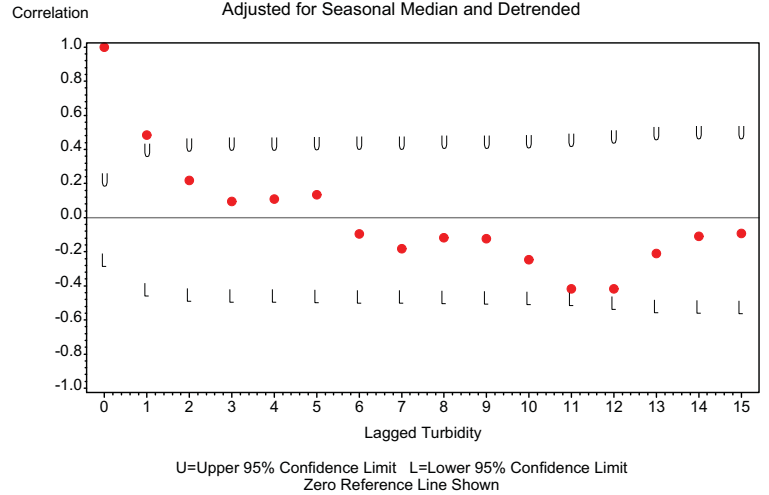
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



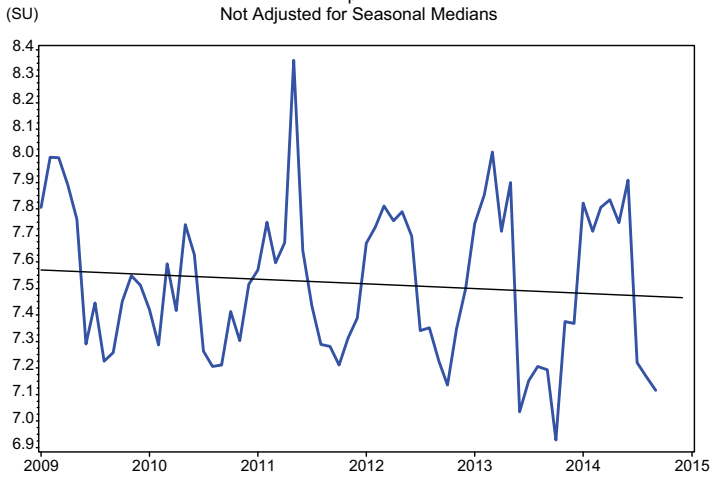
Faka Union South Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.484	0.204	0.408	-0.408
2	0.219	0.219	0.439	-0.439
3	0.095	0.222	0.445	-0.445
4	0.110	0.223	0.446	-0.446
5	0.135	0.224	0.448	-0.448
6	-0.097	0.225	0.450	-0.450
7	-0.182	0.226	0.451	-0.451
8	-0.117	0.228	0.455	-0.455
9	-0.125	0.228	0.457	-0.457
10	-0.247	0.229	0.459	-0.459
11	-0.418	0.233	0.466	-0.466
12	-0.419	0.243	0.486	-0.486
13	-0.211	0.253	0.506	-0.506
14	-0.110	0.255	0.511	-0.511
15	-0.093	0.256	0.512	-0.512

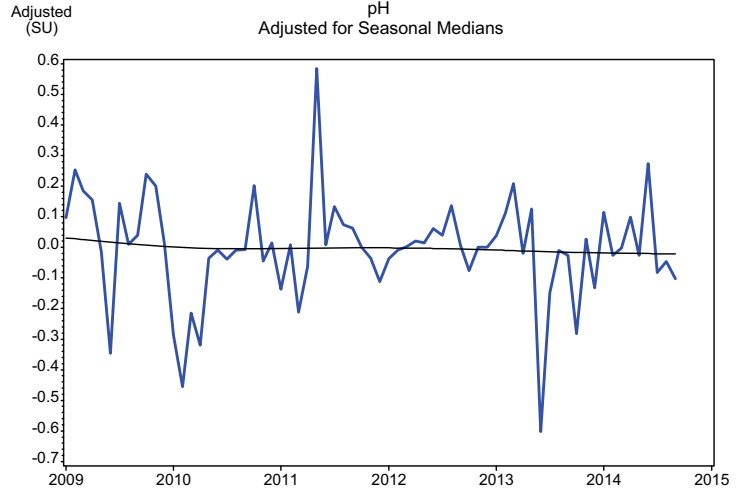
Faka Union South Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



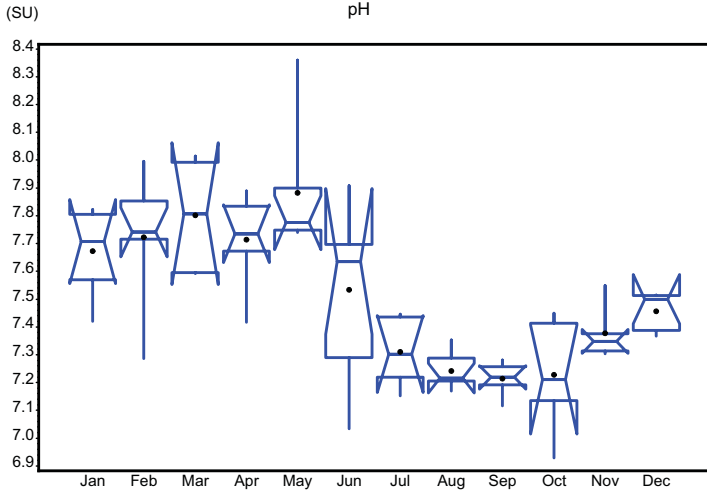
Faka Union South Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



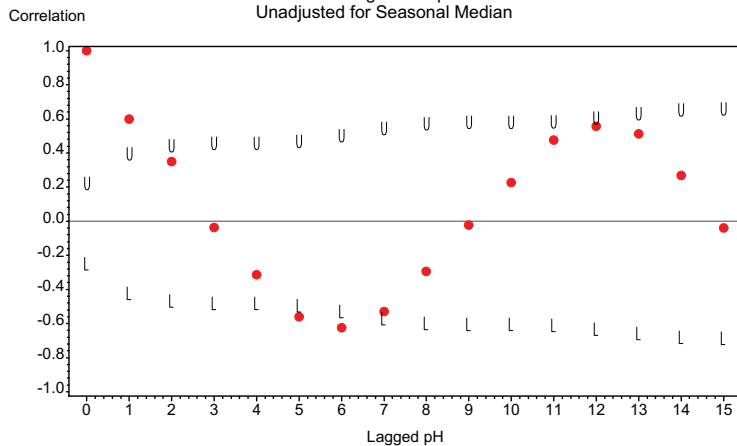
Faka Union South Trends Appendix
Seasonal Univariate Statistics
pH



Faka Union South Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.600	0.204	0.408	-0.408
2	0.350	0.227	0.455	-0.455
3	-0.038	0.235	0.469	-0.469
4	-0.313	0.235	0.469	-0.469
5	-0.560	0.240	0.481	-0.481
6	-0.626	0.258	0.516	-0.516
7	-0.531	0.278	0.557	-0.557
8	-0.295	0.292	0.584	-0.584
9	-0.024	0.296	0.592	-0.592
10	0.227	0.296	0.592	-0.592
11	0.475	0.299	0.597	-0.597
12	0.556	0.309	0.618	-0.618
13	0.513	0.322	0.645	-0.645
14	0.267	0.334	0.667	-0.667
15	-0.041	0.337	0.673	-0.673

Faka Union South Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

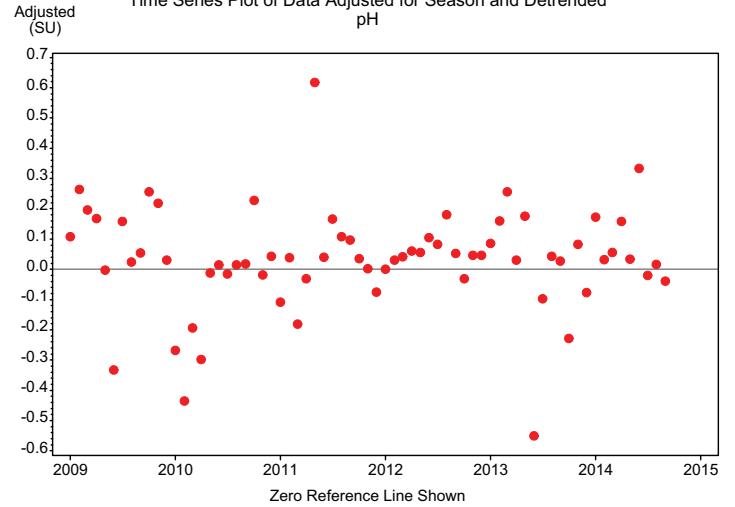
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.115	0.303	0.518	-0.009

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.11515	0.30269	0.51844	-0.0095

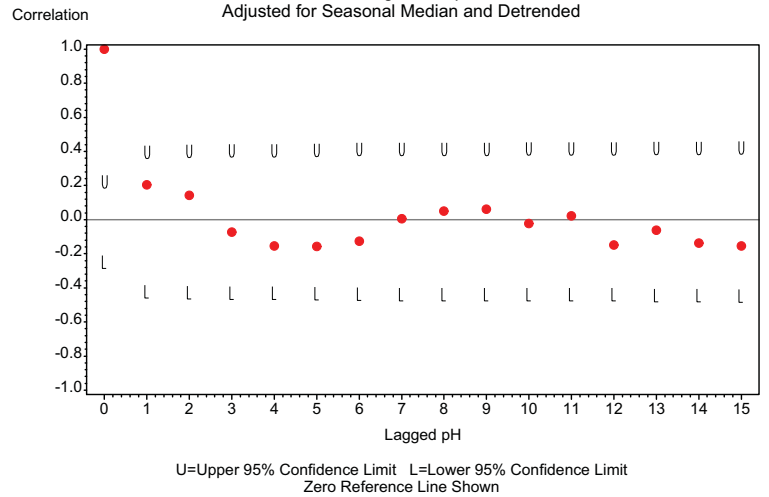
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



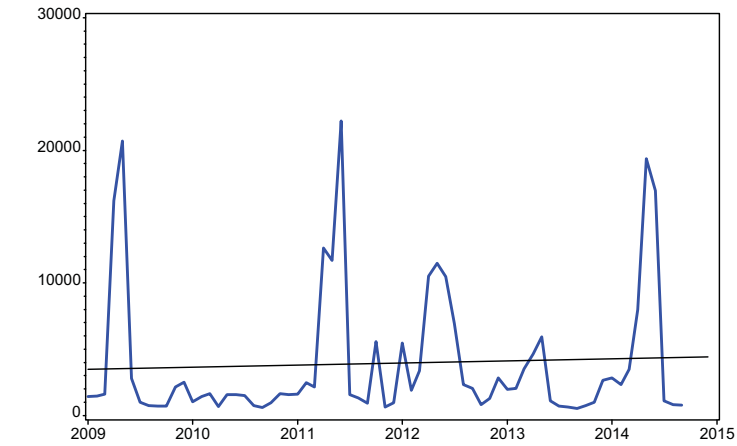
Faka Union South Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.204	0.204	0.408	-0.408
2	0.141	0.207	0.414	-0.414
3	-0.074	0.208	0.417	-0.417
4	-0.155	0.209	0.417	-0.417
5	-0.157	0.210	0.420	-0.420
6	-0.126	0.212	0.424	-0.424
7	0.004	0.213	0.426	-0.426
8	0.049	0.213	0.426	-0.426
9	0.062	0.213	0.426	-0.426
10	-0.024	0.213	0.427	-0.427
11	0.023	0.213	0.427	-0.427
12	-0.148	0.213	0.427	-0.427
13	-0.062	0.215	0.430	-0.430
14	-0.139	0.215	0.430	-0.430
15	-0.154	0.216	0.433	-0.433

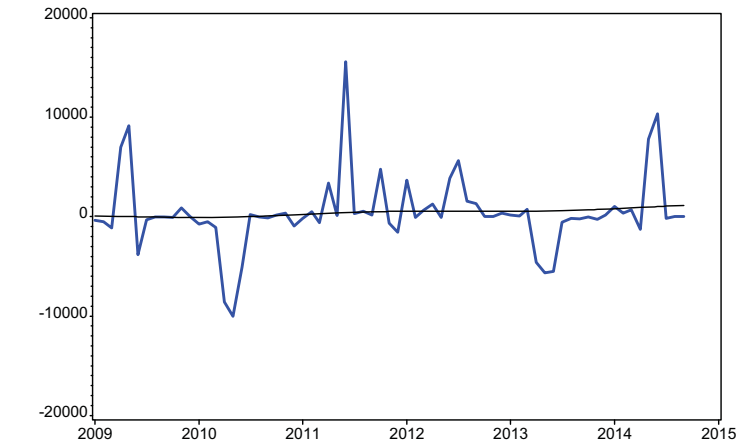
Faka Union South Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



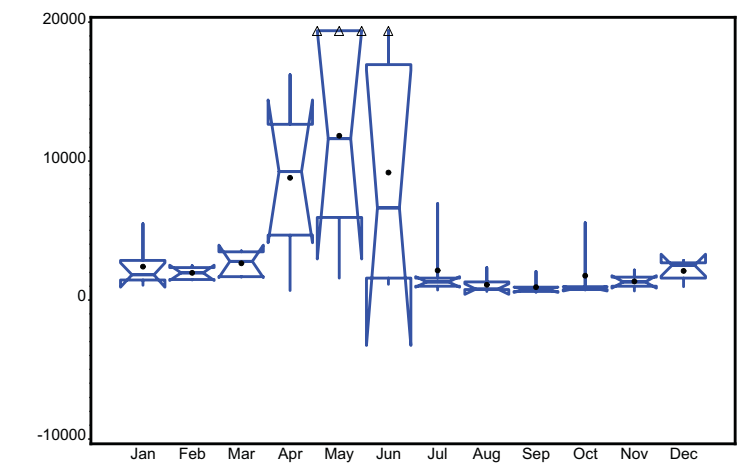
Faka Union South Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



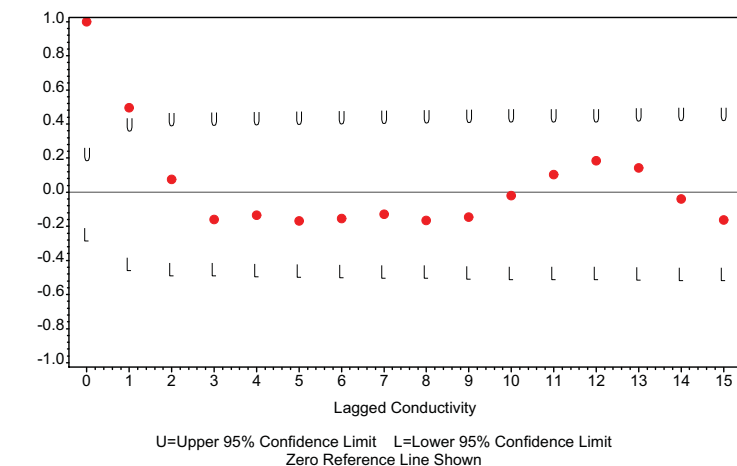
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Conductivity



Faka Union South Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.496	0.204	0.408	-0.408
2	0.074	0.220	0.440	-0.440
3	-0.159	0.221	0.441	-0.441
4	-0.136	0.222	0.444	-0.444
5	-0.169	0.223	0.447	-0.447
6	-0.154	0.225	0.450	-0.450
7	-0.130	0.227	0.453	-0.453
8	-0.165	0.228	0.455	-0.455
9	-0.145	0.229	0.459	-0.459
10	-0.020	0.231	0.461	-0.461
11	0.103	0.231	0.461	-0.461
12	0.185	0.231	0.462	-0.462
13	0.142	0.233	0.466	-0.466
14	-0.041	0.234	0.469	-0.469
15	-0.164	0.235	0.469	-0.469

Faka Union South Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



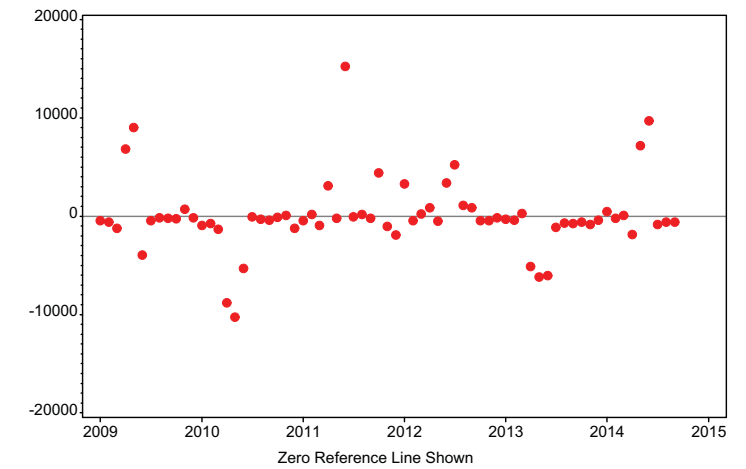
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.139	0.208	0.48	98.833

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13939	0.20777	0.47973	98.834

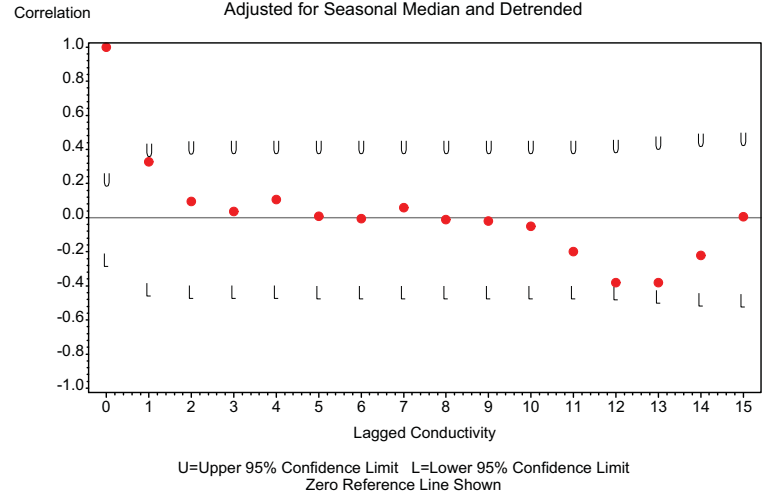
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



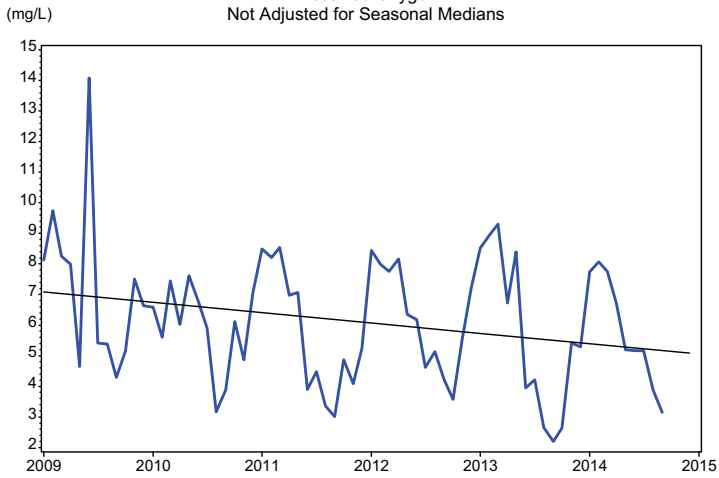
Faka Union South Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.327	0.204	0.408	-0.408
2	0.094	0.211	0.423	-0.423
3	0.037	0.212	0.424	-0.424
4	0.105	0.212	0.424	-0.424
5	0.009	0.213	0.425	-0.425
6	-0.007	0.213	0.425	-0.425
7	0.057	0.213	0.425	-0.425
8	-0.011	0.213	0.426	-0.426
9	-0.019	0.213	0.426	-0.426
10	-0.051	0.213	0.426	-0.426
11	-0.200	0.213	0.426	-0.426
12	-0.382	0.216	0.431	-0.431
13	-0.380	0.225	0.450	-0.450
14	-0.221	0.234	0.467	-0.467
15	0.006	0.236	0.473	-0.473

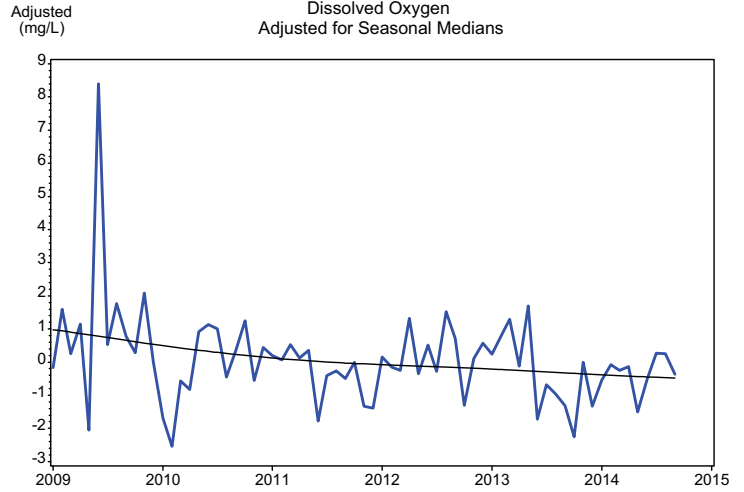
Faka Union South Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



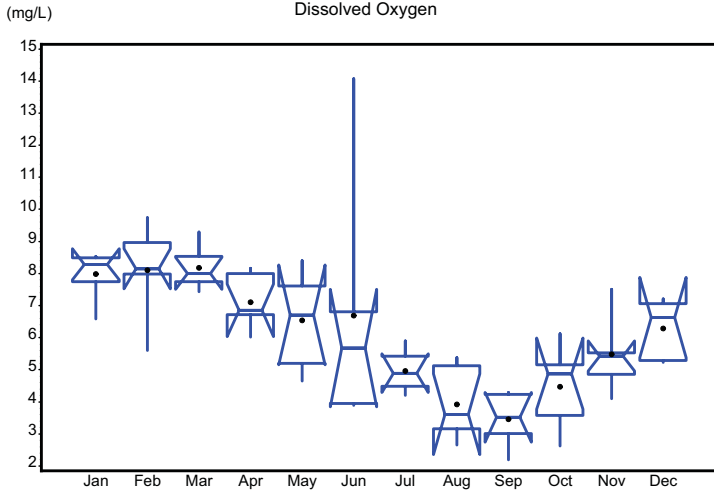
Faka Union South Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



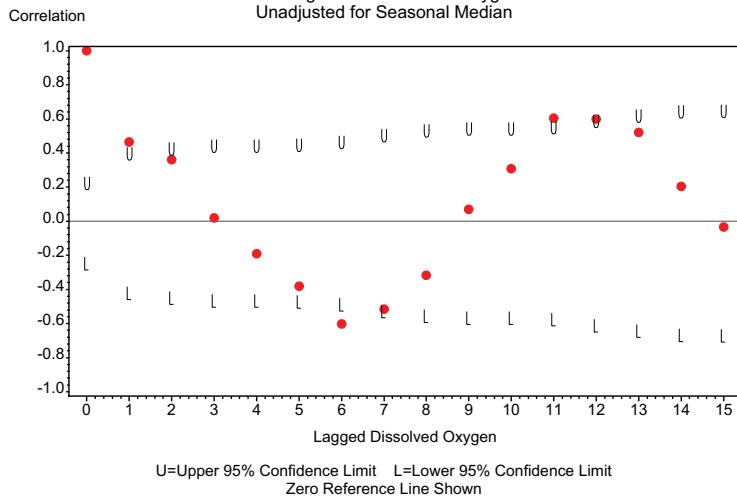
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Faka Union South Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.465	0.204	0.408	-0.408
2	0.362	0.218	0.437	-0.437
3	0.018	0.227	0.453	-0.453
4	-0.191	0.227	0.453	-0.453
5	-0.382	0.229	0.458	-0.458
6	-0.602	0.237	0.475	-0.475
7	-0.515	0.258	0.516	-0.516
8	-0.317	0.272	0.543	-0.543
9	0.070	0.277	0.554	-0.554
10	0.308	0.277	0.554	-0.554
11	0.603	0.282	0.563	-0.563
12	0.598	0.299	0.598	-0.598
13	0.521	0.315	0.631	-0.631
14	0.205	0.327	0.654	-0.654
15	-0.034	0.329	0.658	-0.658

Faka Union South Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



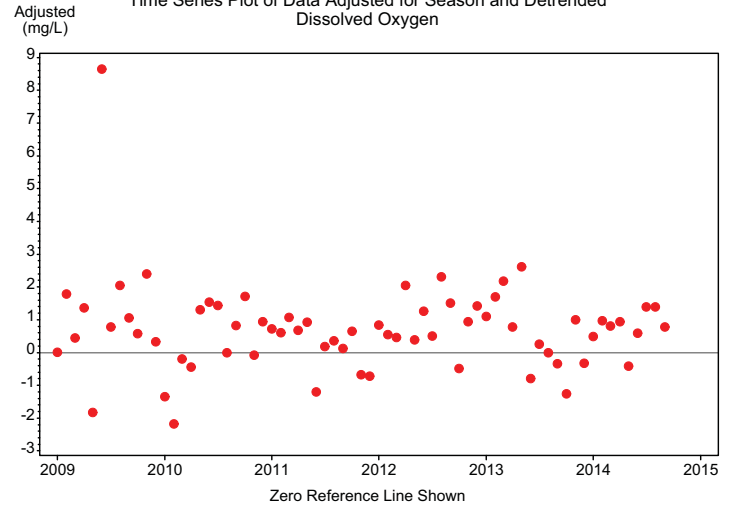
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.176	0.109	0.188	-0.171

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17576	0.10887	0.18832	-0.17133

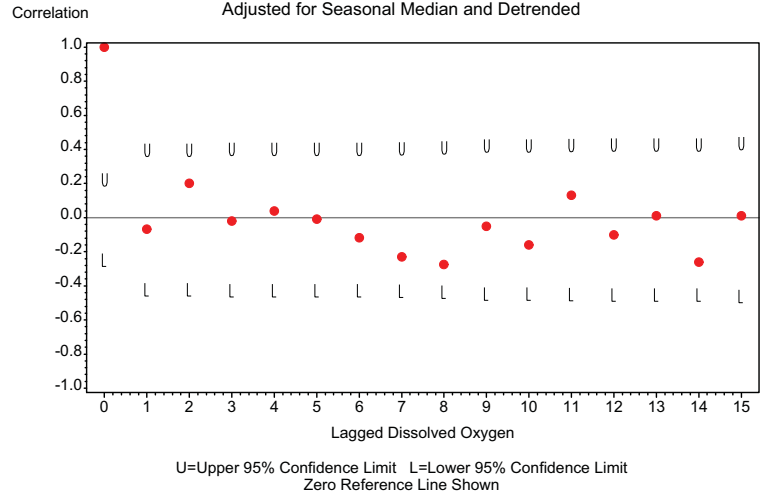
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



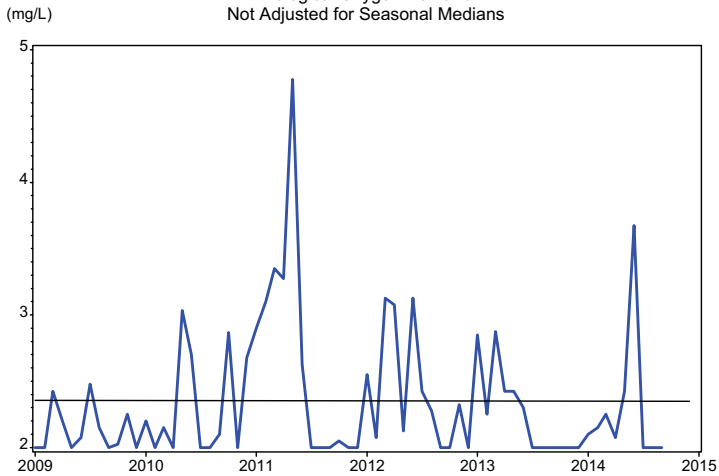
Faka Union South Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.067	0.204	0.408	-0.408
2	0.200	0.204	0.409	-0.409
3	-0.021	0.207	0.414	-0.414
4	0.039	0.207	0.414	-0.414
5	-0.008	0.207	0.415	-0.415
6	-0.119	0.207	0.415	-0.415
7	-0.229	0.208	0.416	-0.416
8	-0.276	0.212	0.423	-0.423
9	-0.050	0.217	0.433	-0.433
10	-0.161	0.217	0.434	-0.434
11	0.132	0.218	0.437	-0.437
12	-0.101	0.220	0.439	-0.439
13	0.010	0.220	0.440	-0.440
14	-0.262	0.220	0.440	-0.440
15	0.011	0.225	0.449	-0.449

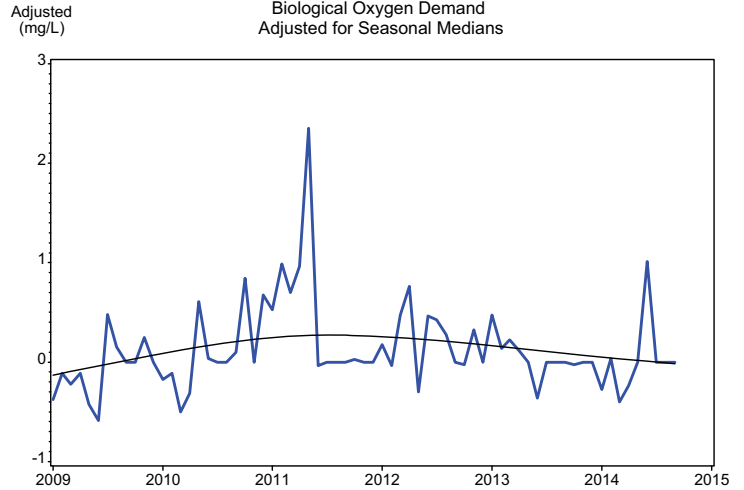
Faka Union South Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



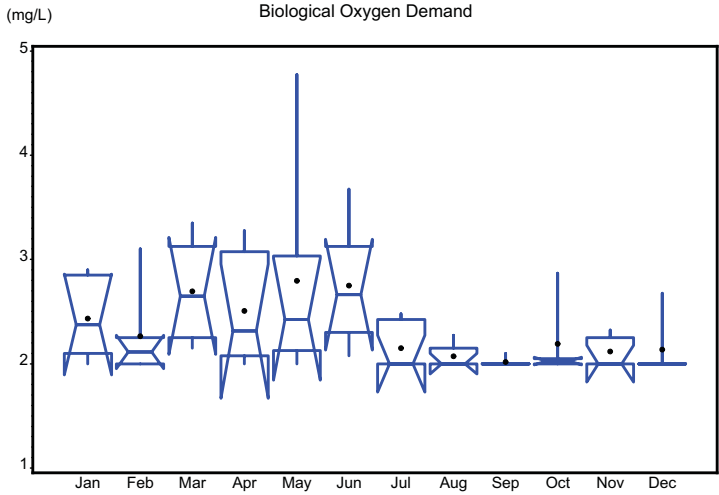
Faka Union South Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



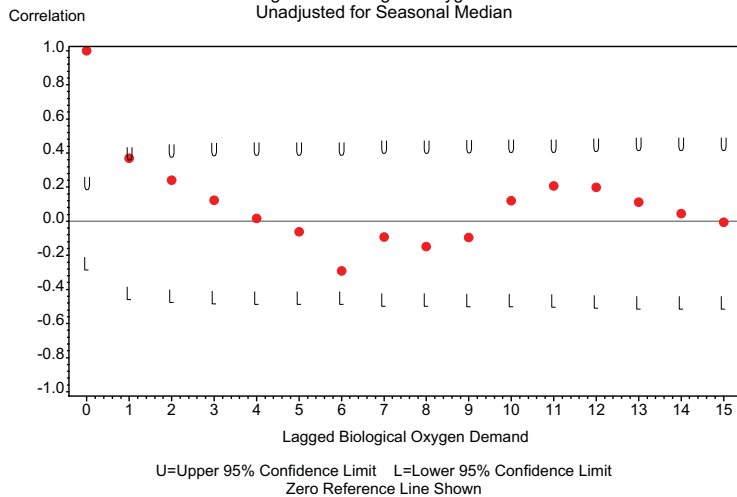
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Faka Union South Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.369	0.204	0.408	-0.408
2	0.241	0.213	0.426	-0.426
3	0.122	0.217	0.434	-0.434
4	0.016	0.218	0.436	-0.436
5	-0.062	0.218	0.436	-0.436
6	-0.292	0.218	0.436	-0.436
7	-0.093	0.223	0.447	-0.447
8	-0.148	0.224	0.448	-0.448
9	-0.095	0.225	0.451	-0.451
10	0.120	0.226	0.452	-0.452
11	0.207	0.227	0.454	-0.454
12	0.197	0.229	0.459	-0.459
13	0.112	0.232	0.464	-0.464
14	0.044	0.233	0.465	-0.465
15	-0.006	0.233	0.465	-0.465

Faka Union South Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



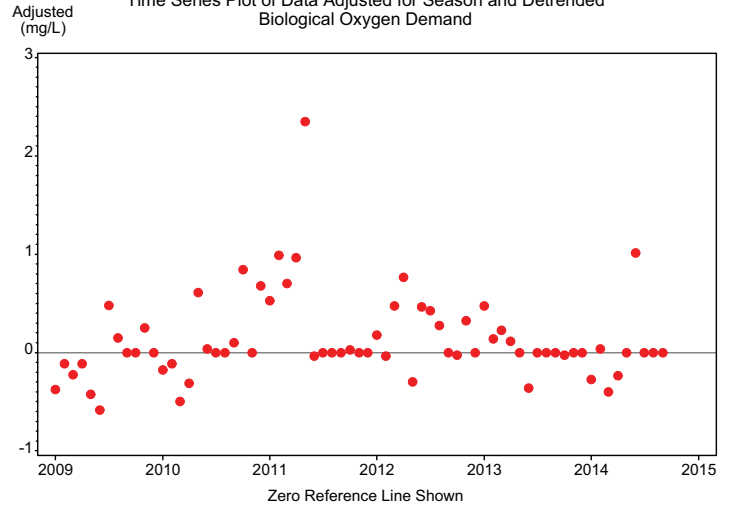
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.018	0.9	0.91	0

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.018182	0.90046	0.91028	0

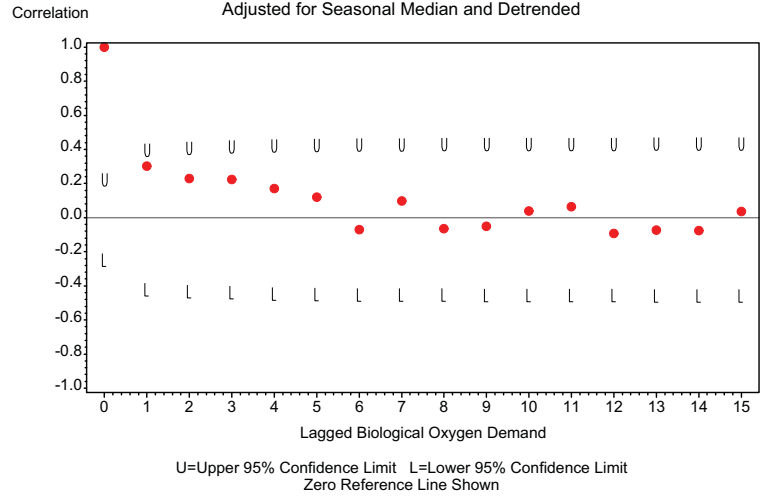
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



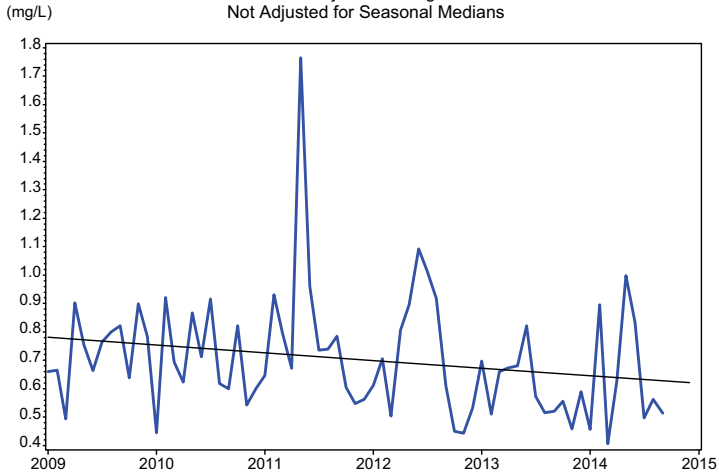
Faka Union South Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.303	0.204	0.408	-0.408
2	0.228	0.210	0.421	-0.421
3	0.224	0.214	0.427	-0.427
4	0.170	0.217	0.434	-0.434
5	0.120	0.219	0.437	-0.437
6	-0.071	0.220	0.439	-0.439
7	0.097	0.220	0.440	-0.440
8	-0.065	0.221	0.441	-0.441
9	-0.051	0.221	0.442	-0.442
10	0.040	0.221	0.442	-0.442
11	0.063	0.221	0.442	-0.442
12	-0.094	0.221	0.443	-0.443
13	-0.072	0.222	0.444	-0.444
14	-0.077	0.222	0.444	-0.444
15	0.035	0.223	0.445	-0.445

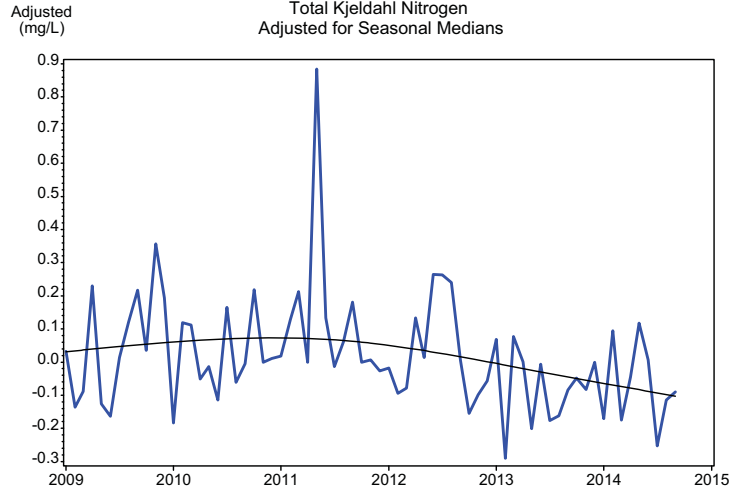
Faka Union South Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



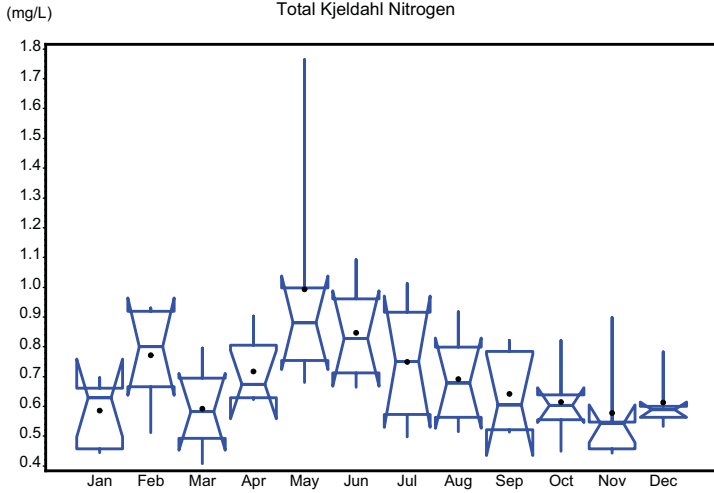
Faka Union South Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



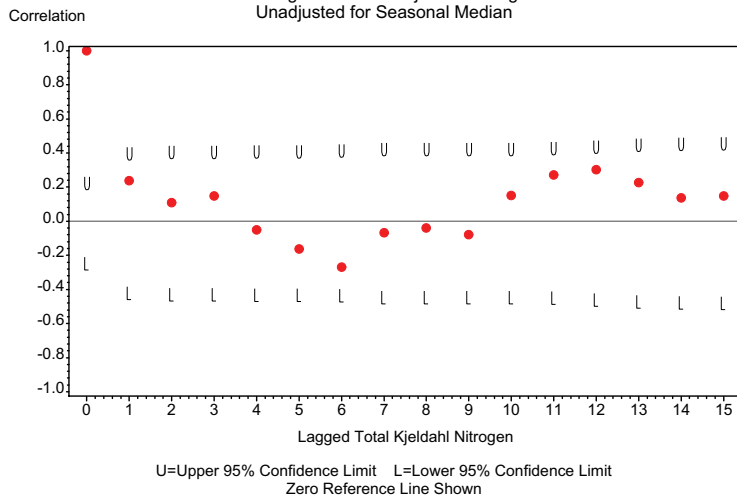
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Faka Union South Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.237	0.204	0.408	-0.408
2	0.109	0.208	0.416	-0.416
3	0.148	0.209	0.417	-0.417
4	-0.051	0.210	0.420	-0.420
5	-0.162	0.210	0.421	-0.421
6	-0.269	0.212	0.424	-0.424
7	-0.067	0.217	0.434	-0.434
8	-0.039	0.217	0.434	-0.434
9	-0.080	0.217	0.434	-0.434
10	0.150	0.218	0.435	-0.435
11	0.271	0.219	0.438	-0.438
12	0.302	0.224	0.447	-0.447
13	0.225	0.229	0.458	-0.458
14	0.138	0.232	0.464	-0.464
15	0.149	0.233	0.467	-0.467

Faka Union South Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



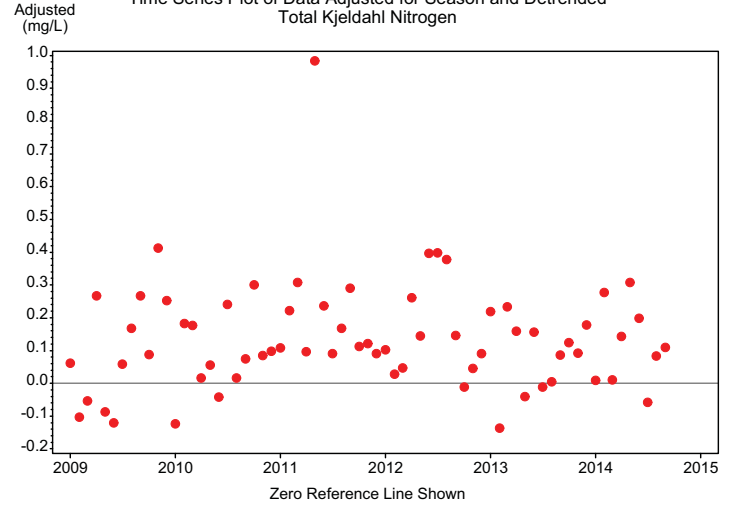
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.236	0.03	0.106	-0.03

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23636	0.029565	0.10611	-0.03

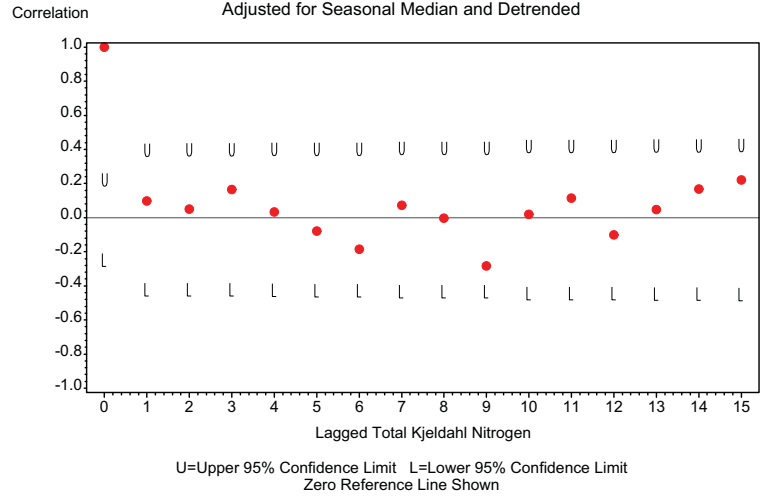
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



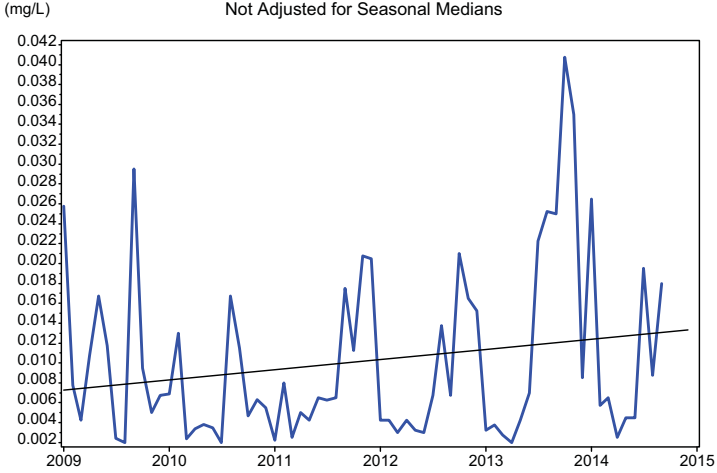
Faka Union South Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.098	0.204	0.408	-0.408
2	0.049	0.205	0.410	-0.410
3	0.164	0.205	0.410	-0.410
4	0.033	0.207	0.413	-0.413
5	-0.080	0.207	0.414	-0.414
6	-0.185	0.207	0.415	-0.415
7	0.071	0.210	0.419	-0.419
8	-0.004	0.210	0.420	-0.420
9	-0.283	0.210	0.420	-0.420
10	0.020	0.215	0.430	-0.430
11	0.113	0.215	0.430	-0.430
12	-0.101	0.216	0.432	-0.432
13	0.046	0.217	0.433	-0.433
14	0.168	0.217	0.434	-0.434
15	0.222	0.219	0.437	-0.437

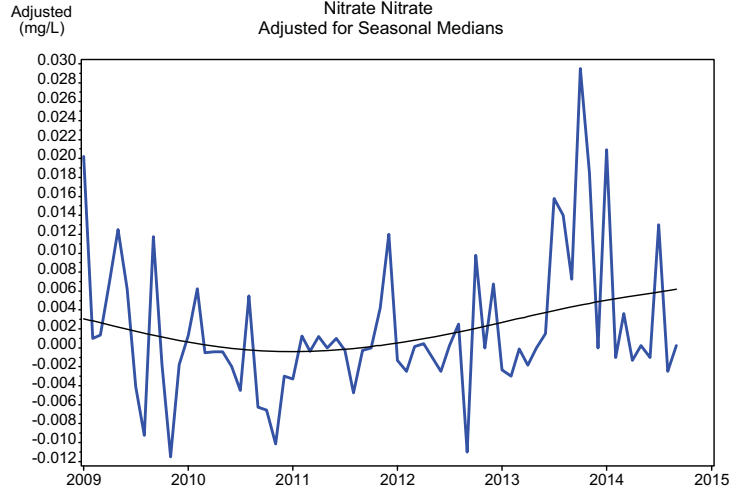
Faka Union South Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



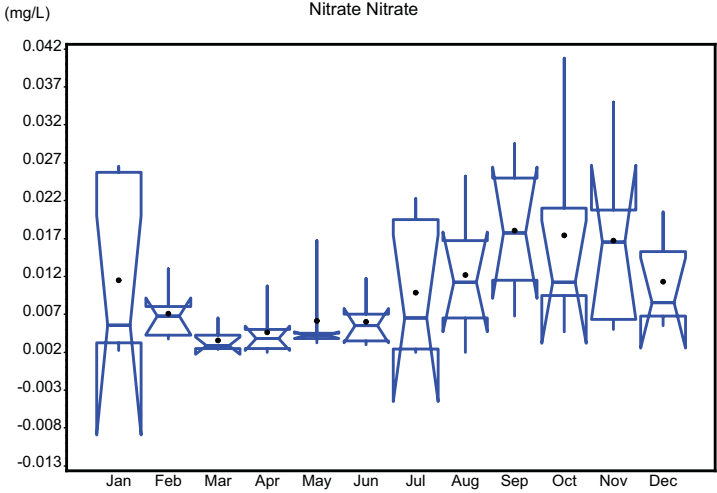
Faka Union South Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



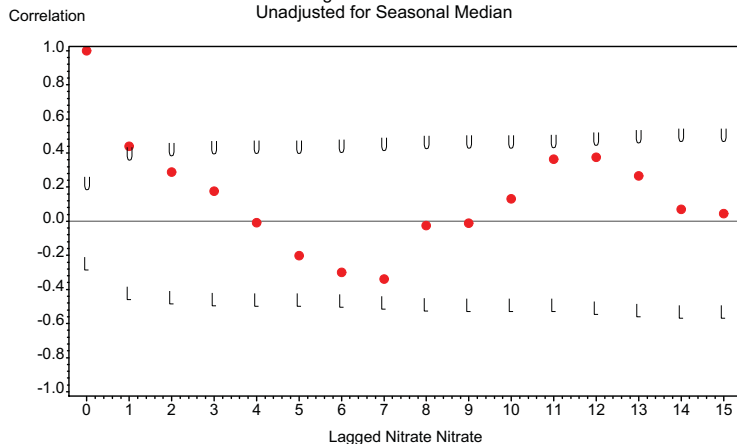
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Faka Union South Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.439	0.204	0.408	-0.408
2	0.289	0.217	0.434	-0.434
3	0.175	0.222	0.444	-0.444
4	-0.009	0.224	0.448	-0.448
5	-0.203	0.224	0.448	-0.448
6	-0.299	0.227	0.453	-0.453
7	-0.338	0.232	0.464	-0.464
8	-0.027	0.239	0.477	-0.477
9	-0.012	0.239	0.478	-0.478
10	0.131	0.239	0.478	-0.478
11	0.364	0.240	0.480	-0.480
12	0.376	0.247	0.495	-0.495
13	0.266	0.255	0.510	-0.510
14	0.069	0.259	0.518	-0.518
15	0.043	0.259	0.519	-0.519

Faka Union South Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

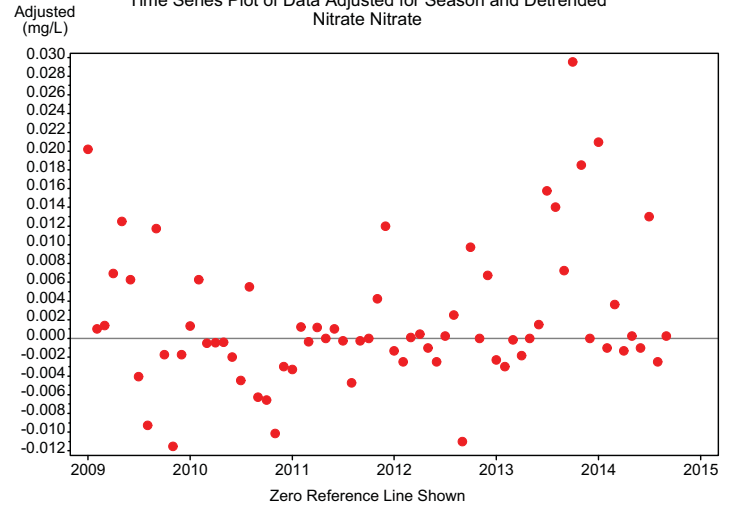
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.091	0.412	0.454	0

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.63716	0.66789	0

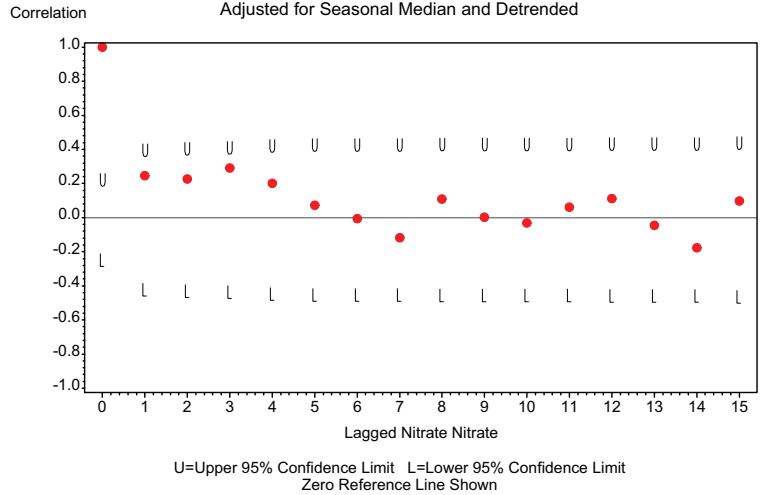
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



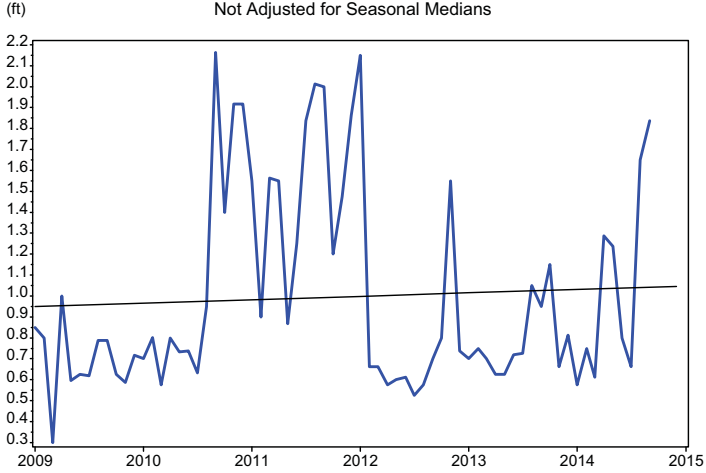
Faka Union South Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.247	0.204	0.408	-0.408
2	0.226	0.208	0.416	-0.416
3	0.291	0.212	0.423	-0.423
4	0.201	0.217	0.434	-0.434
5	0.073	0.220	0.439	-0.439
6	-0.005	0.220	0.440	-0.440
7	-0.119	0.220	0.440	-0.440
8	0.109	0.221	0.442	-0.442
9	0.003	0.222	0.443	-0.443
10	-0.031	0.222	0.443	-0.443
11	0.062	0.222	0.443	-0.443
12	0.112	0.222	0.444	-0.444
13	-0.044	0.223	0.445	-0.445
14	-0.178	0.223	0.446	-0.446
15	0.098	0.225	0.450	-0.450

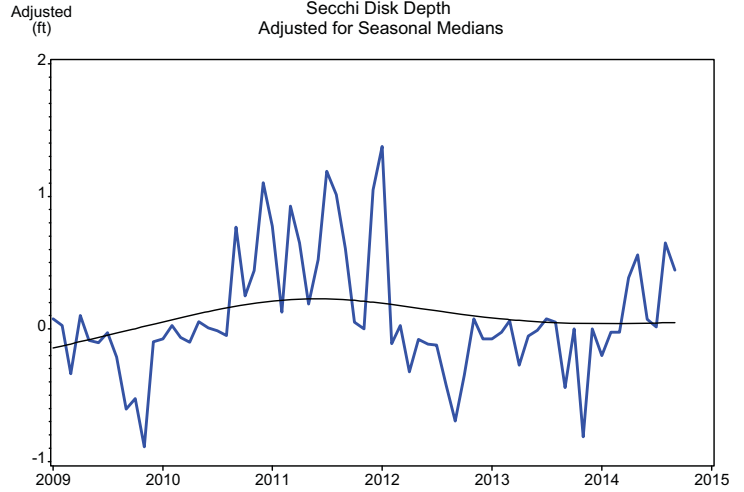
Faka Union South Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



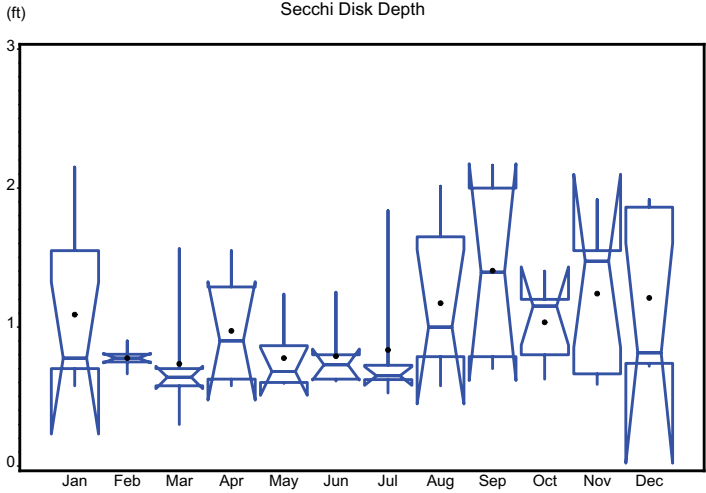
Faka Union South Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



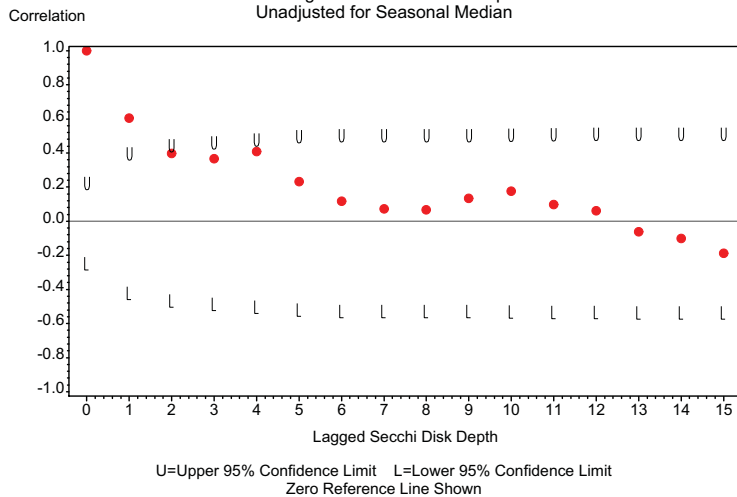
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Faka Union South Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.603	0.204	0.408	-0.408
2	0.397	0.228	0.455	-0.455
3	0.366	0.237	0.474	-0.474
4	0.407	0.245	0.489	-0.489
5	0.232	0.254	0.508	-0.508
6	0.118	0.257	0.514	-0.514
7	0.073	0.258	0.515	-0.515
8	0.067	0.258	0.516	-0.516
9	0.135	0.258	0.516	-0.516
10	0.176	0.259	0.518	-0.518
11	0.097	0.261	0.521	-0.521
12	0.061	0.261	0.522	-0.522
13	-0.061	0.261	0.523	-0.523
14	-0.102	0.262	0.523	-0.523
15	-0.189	0.262	0.524	-0.524

Faka Union South Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



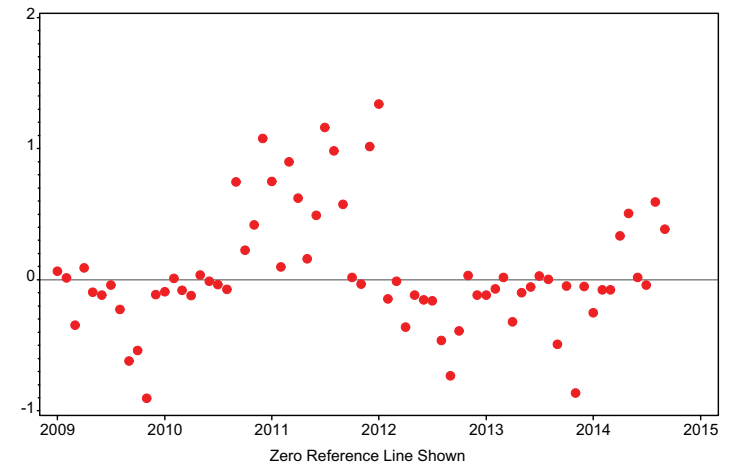
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.079	0.491	0.761	.009

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.078788	0.49058	0.76099	.0086

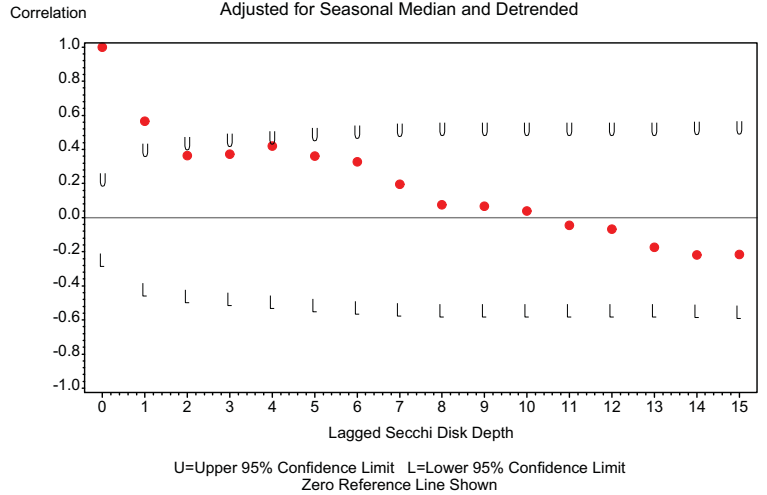
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



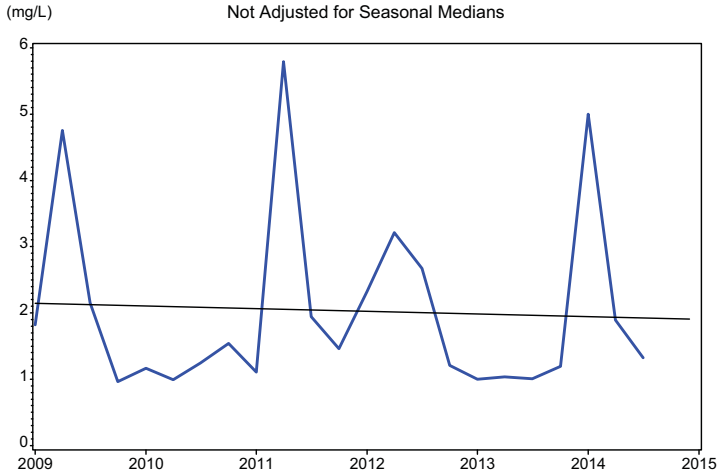
Faka Union South Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.564	0.204	0.408	-0.408
2	0.364	0.225	0.449	-0.449
3	0.373	0.233	0.466	-0.466
4	0.420	0.241	0.482	-0.482
5	0.362	0.251	0.502	-0.502
6	0.328	0.258	0.516	-0.516
7	0.195	0.264	0.527	-0.527
8	0.075	0.266	0.531	-0.531
9	0.067	0.266	0.532	-0.532
10	0.038	0.266	0.533	-0.533
11	-0.045	0.266	0.533	-0.533
12	-0.067	0.266	0.533	-0.533
13	-0.173	0.267	0.533	-0.533
14	-0.220	0.268	0.536	-0.536
15	-0.215	0.271	0.541	-0.541

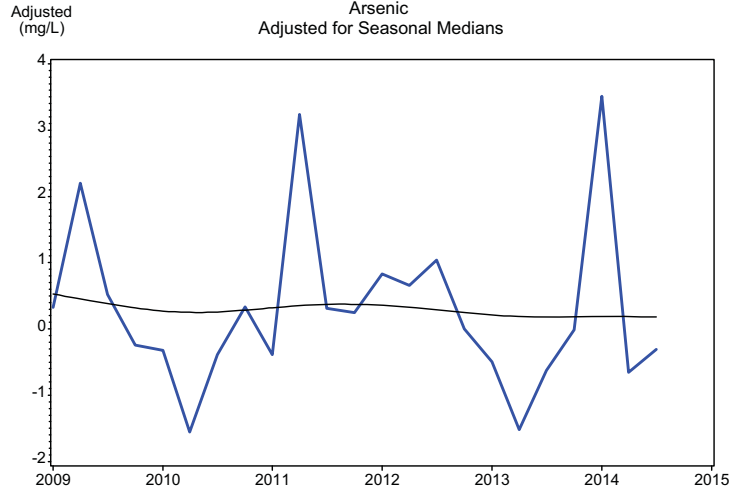
Faka Union South Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



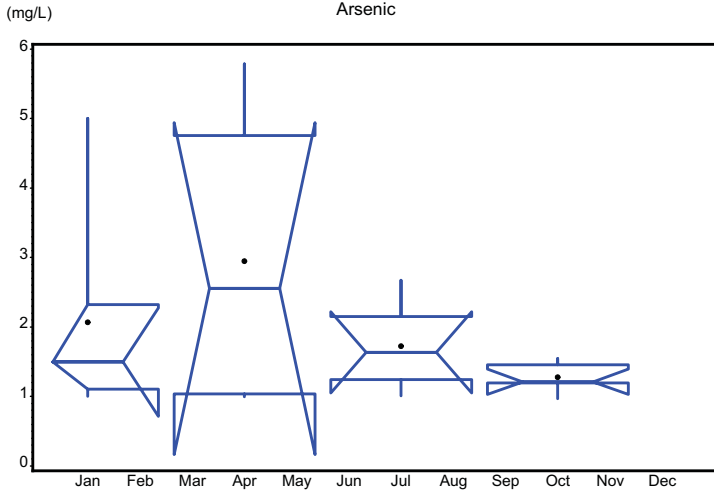
Faka Union South Trends Appendix
Monthly Data Time Series
Arsenic
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Arsenic
Adjusted for Seasonal Medians



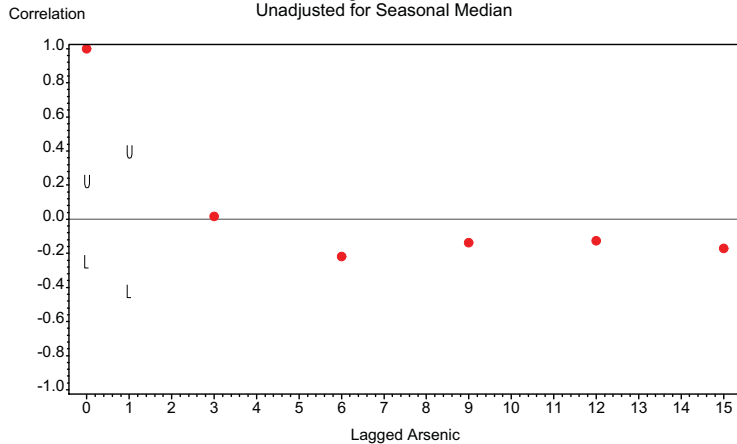
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Arsenic



Faka Union South Trends Appendix
Autocorrelation Statistics for Arsenic
Unadjusted for Seasonal Medians

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.017	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.218	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.139	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.126	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.171	.	.	.

Faka Union South Trends Appendix
Correlogram for Arsenic
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

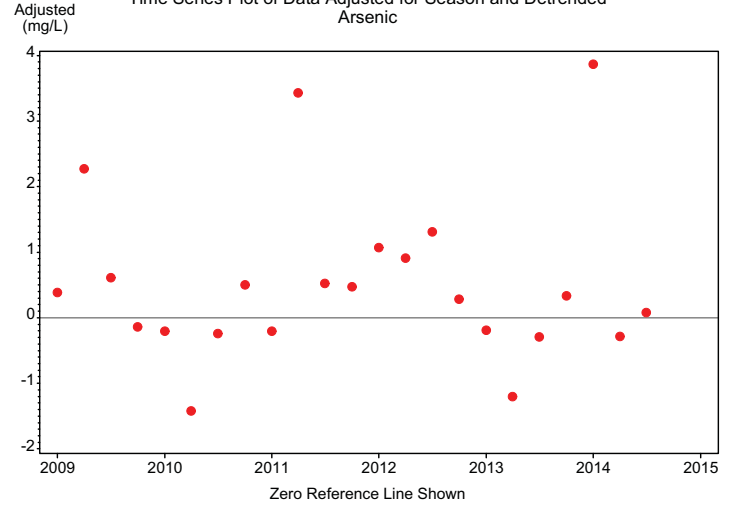
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Arsenic
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.127	0.552	0.623	-0.06

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Arsenic
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12727	0.55180	0.62305	-0.06

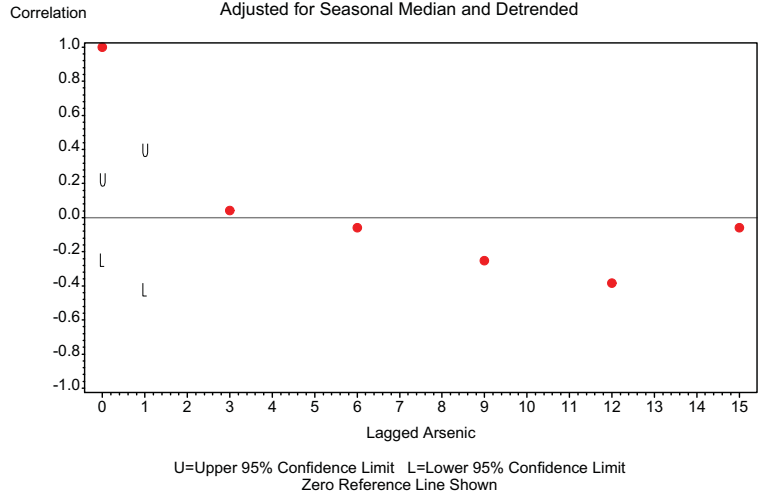
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Arsenic



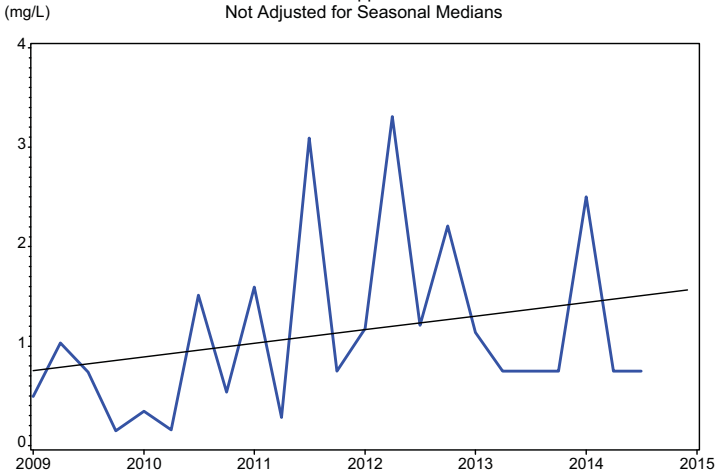
Faka Union South Trends Appendix
 Autocorrelation Statistics for Arsenic
 Adjusted for Seasonal Median and Detrended

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.042	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.058	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.252	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.385	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.059	.	.	.

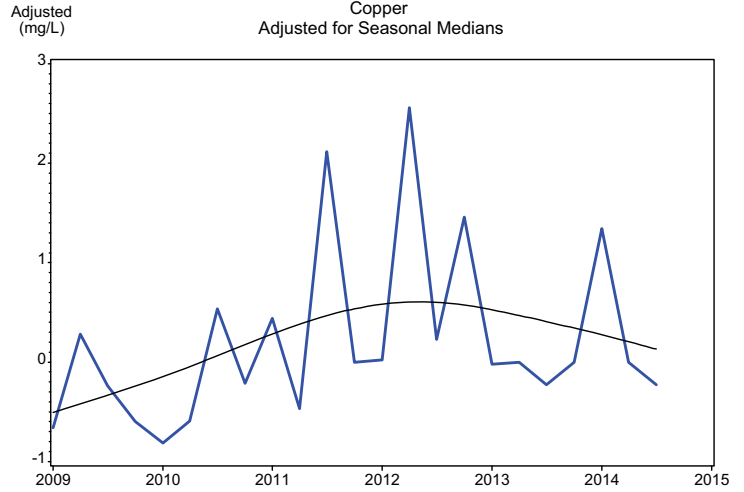
Faka Union South Trends Appendix
 Correlogram for Arsenic
 Adjusted for Seasonal Median and Detrended



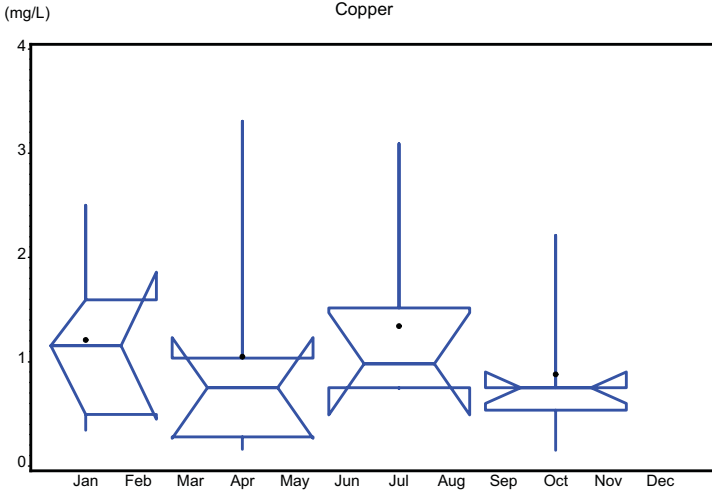
Faka Union South Trends Appendix
Monthly Data Time Series
Copper
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Copper
Adjusted for Seasonal Medians



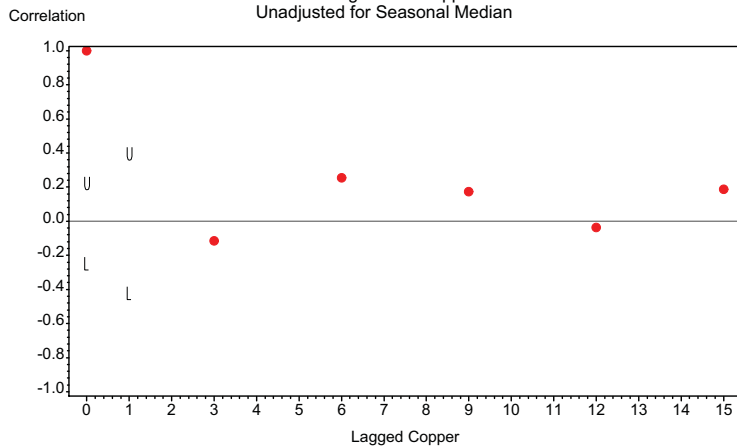
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Copper



Faka Union South Trends Appendix
Autocorrelation Statistics for Copper
Unadjusted for Seasonal Medians

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.116	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.253	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.172	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.038	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.188	.	.	.

Faka Union South Trends Appendix
Correlogram for Copper
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

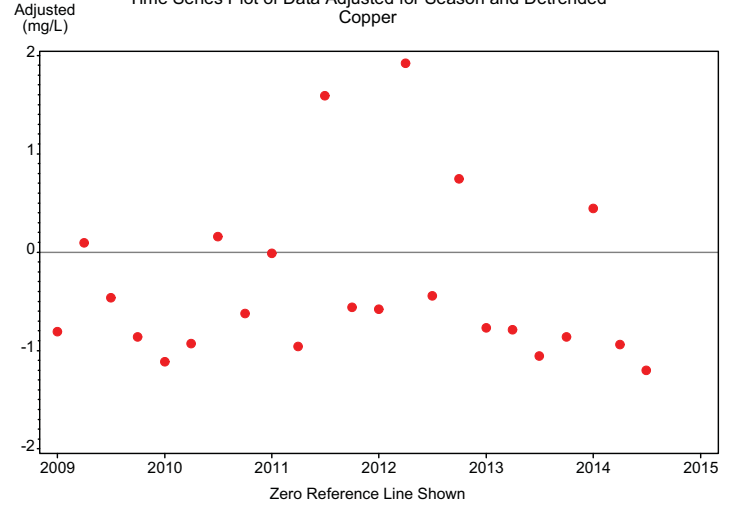
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Copper
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.255	0.191	0.261	0.15

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Copper
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.25455	0.19062	0.26143	0.15

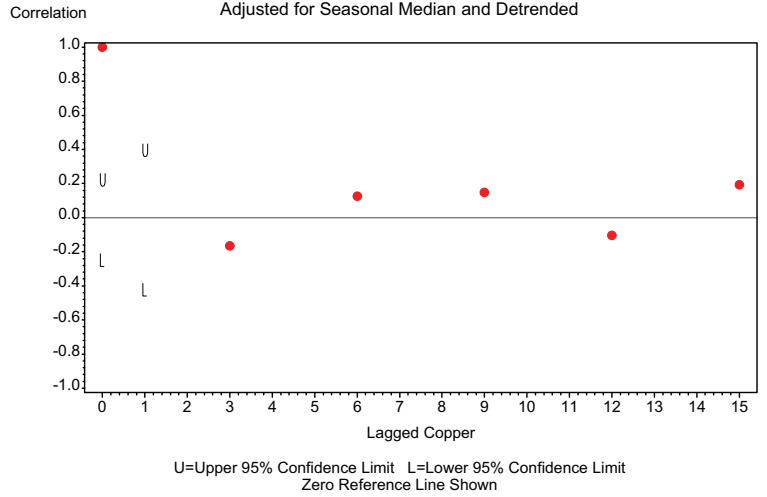
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Copper



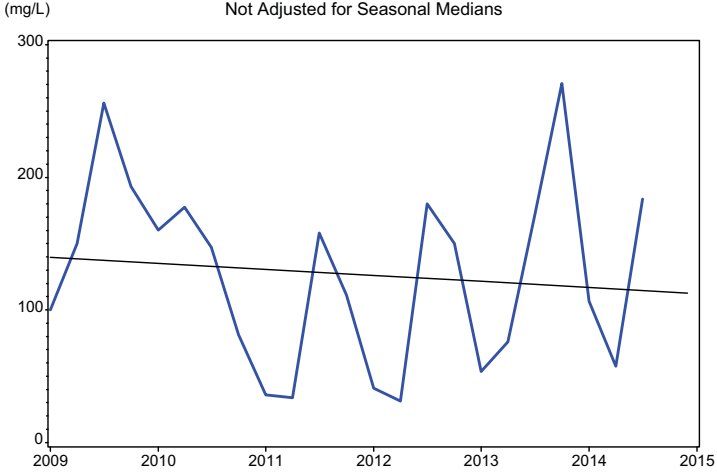
Faka Union South Trends Appendix
 Autocorrelation Statistics for Copper
 Adjusted for Seasonal Median and Detrended

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.166	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.125	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.149	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.104	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.192	.	.	.

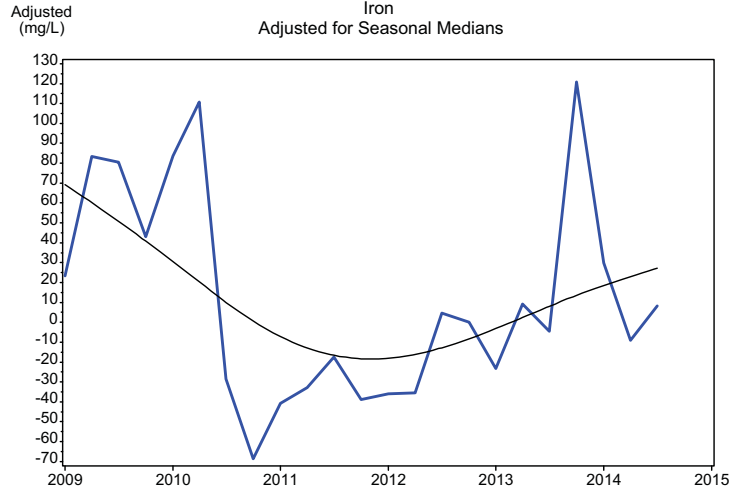
Faka Union South Trends Appendix
 Correlogram for Copper
 Adjusted for Seasonal Median and Detrended



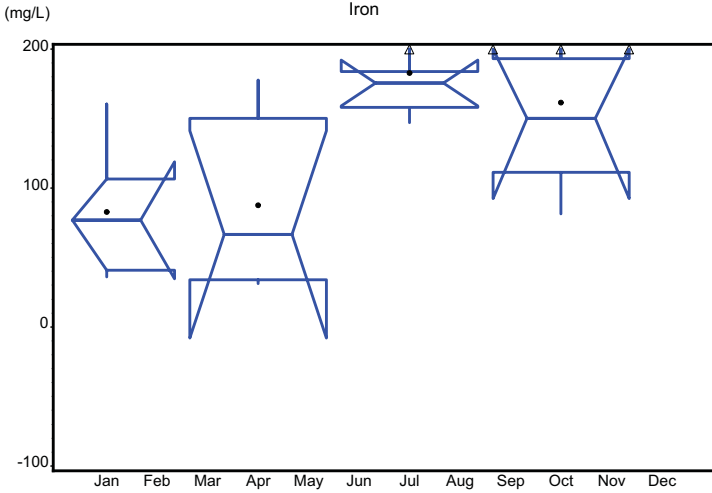
Faka Union South Trends Appendix
Monthly Data Time Series
Iron
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Iron
Adjusted for Seasonal Medians



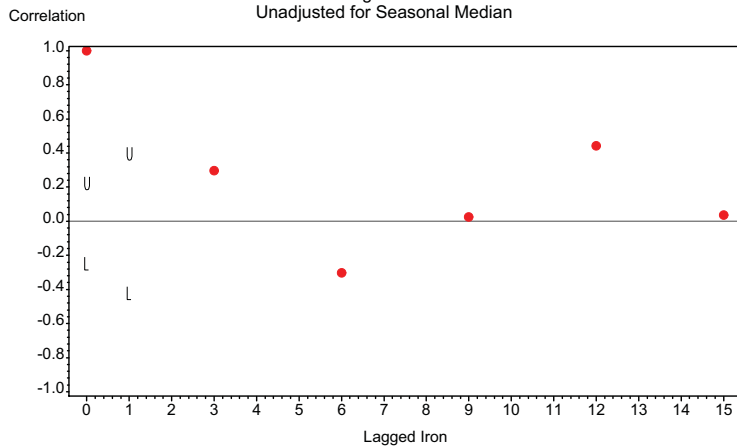
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Iron



Faka Union South Trends Appendix
Autocorrelation Statistics for Iron
Unadjusted for Seasonal Medians

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.296	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.303	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.024	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.443	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.035	.	.	.

Faka Union South Trends Appendix
Correlogram for Iron
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

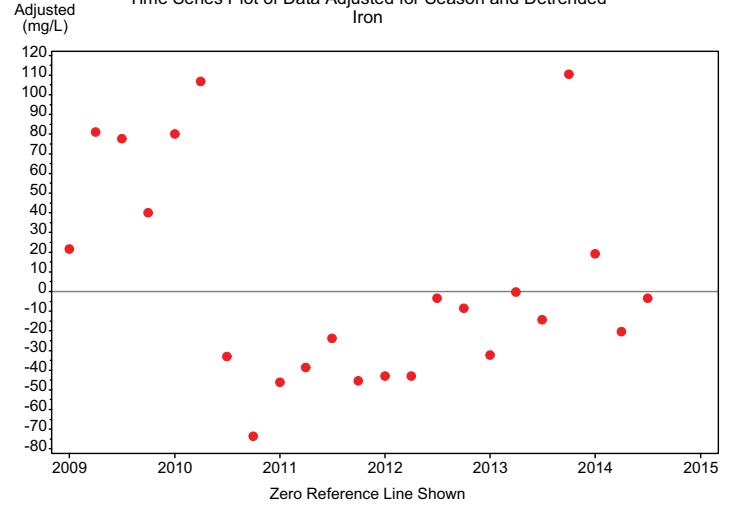
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Iron
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.843	0.871	1.794

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Iron
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.84277	0.87099	1.7935

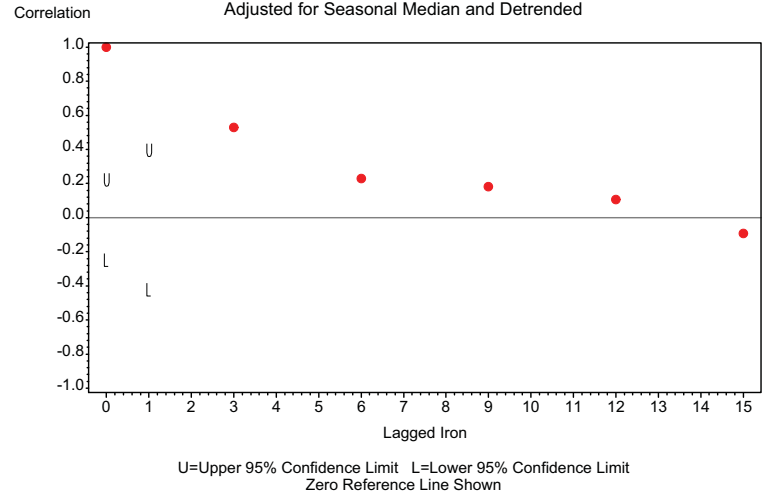
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Iron



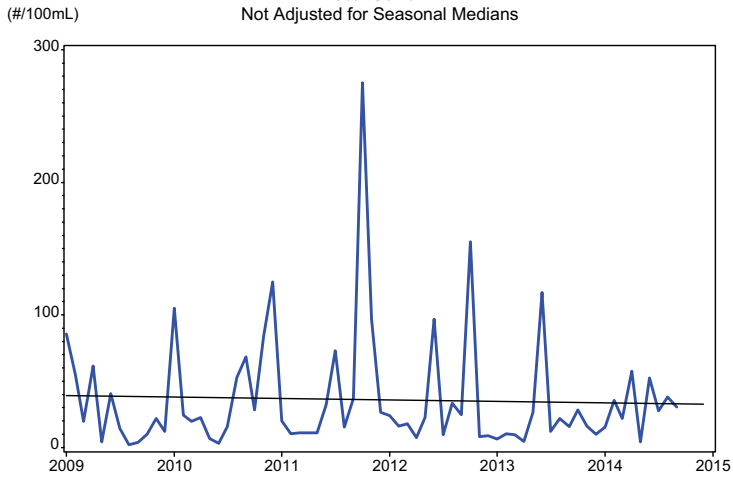
Faka Union South Trends Appendix
 Autocorrelation Statistics for Iron
 Adjusted for Seasonal Median and Detrended

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.528	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.229	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.182	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.107	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.094	.	.	.

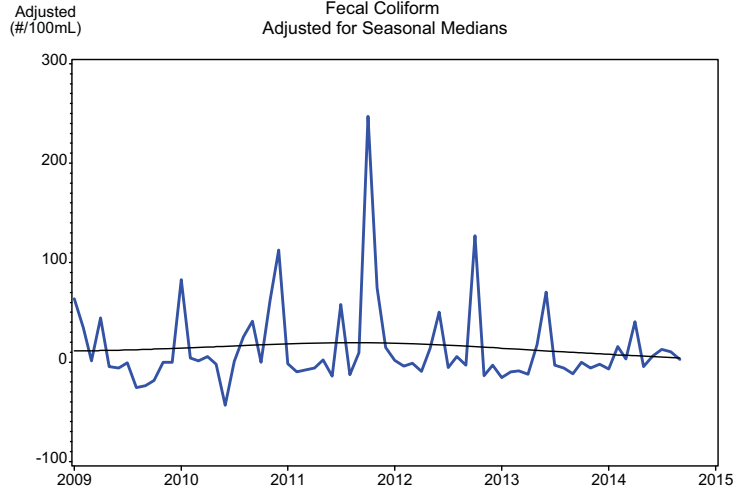
Faka Union South Trends Appendix
 Correlogram for Iron
 Adjusted for Seasonal Median and Detrended



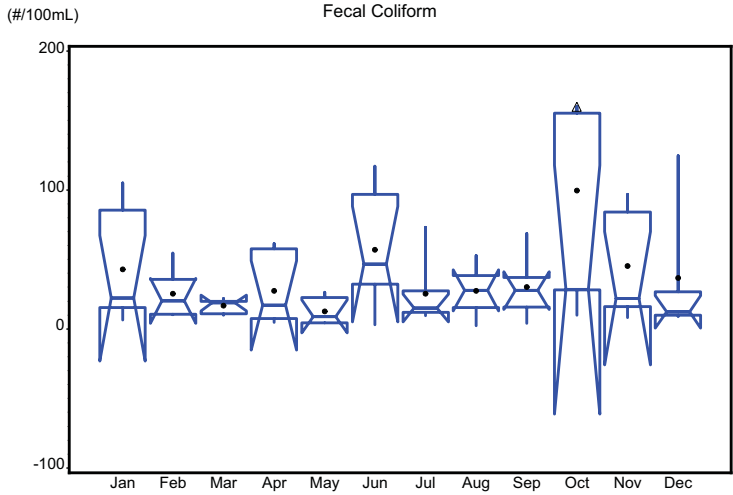
Faka Union South Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Faka Union South Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



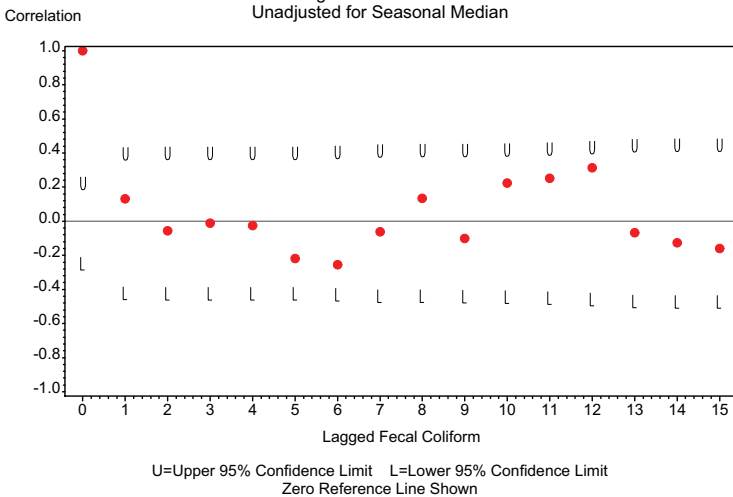
Faka Union South Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Faka Union South Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.131	0.204	0.408	-0.408
2	-0.057	0.205	0.411	-0.411
3	-0.011	0.206	0.411	-0.411
4	-0.027	0.206	0.411	-0.411
5	-0.220	0.206	0.411	-0.411
6	-0.256	0.209	0.418	-0.418
7	-0.063	0.213	0.426	-0.426
8	0.135	0.213	0.427	-0.427
9	-0.101	0.215	0.429	-0.429
10	0.224	0.215	0.430	-0.430
11	0.252	0.218	0.437	-0.437
12	0.313	0.222	0.445	-0.445
13	-0.068	0.228	0.457	-0.457
14	-0.126	0.229	0.458	-0.458
15	-0.160	0.230	0.459	-0.459

Faka Union South Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



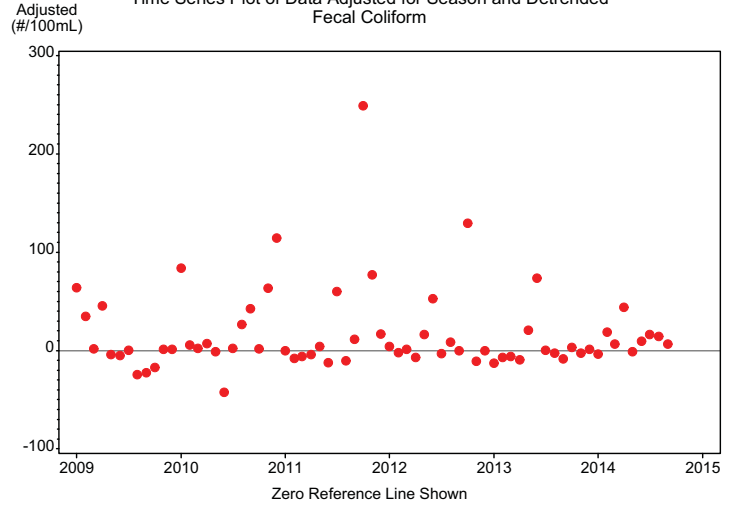
Faka Union South Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.055	0.646	0.714	-0.563

Faka Union South Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.054546	0.64581	0.71357	-0.5625

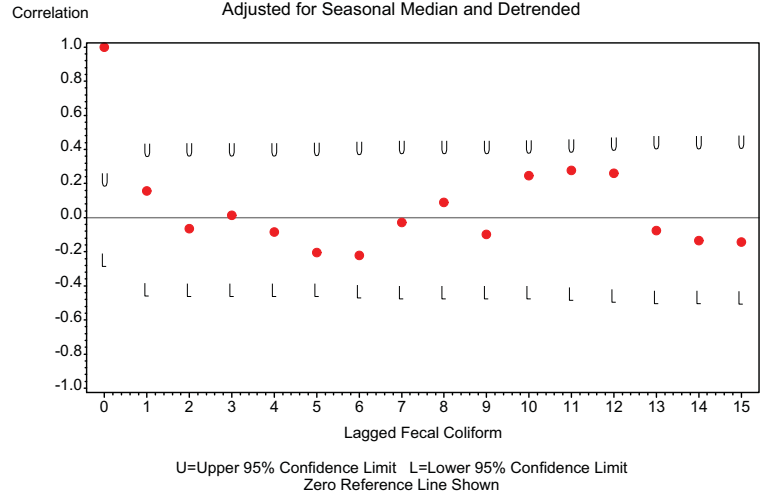
Faka Union South Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



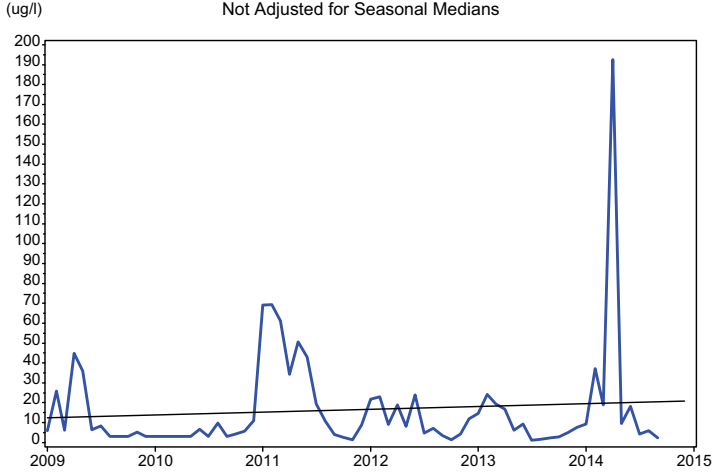
Faka Union South Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.155	0.204	0.408	-0.408
2	-0.064	0.206	0.412	-0.412
3	0.013	0.206	0.412	-0.412
4	-0.084	0.206	0.412	-0.412
5	-0.204	0.207	0.413	-0.413
6	-0.222	0.209	0.419	-0.419
7	-0.028	0.213	0.425	-0.425
8	0.088	0.213	0.425	-0.425
9	-0.099	0.213	0.426	-0.426
10	0.245	0.214	0.427	-0.427
11	0.278	0.218	0.435	-0.435
12	0.260	0.222	0.445	-0.445
13	-0.076	0.227	0.453	-0.453
14	-0.135	0.227	0.454	-0.454
15	-0.144	0.228	0.456	-0.456

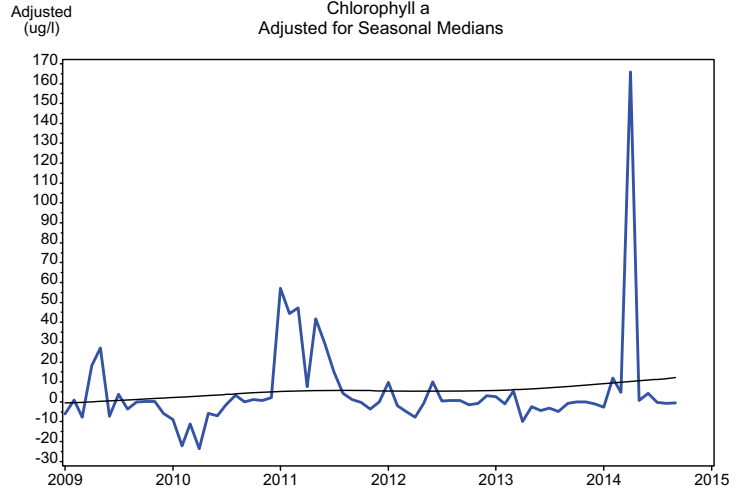
Faka Union South Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



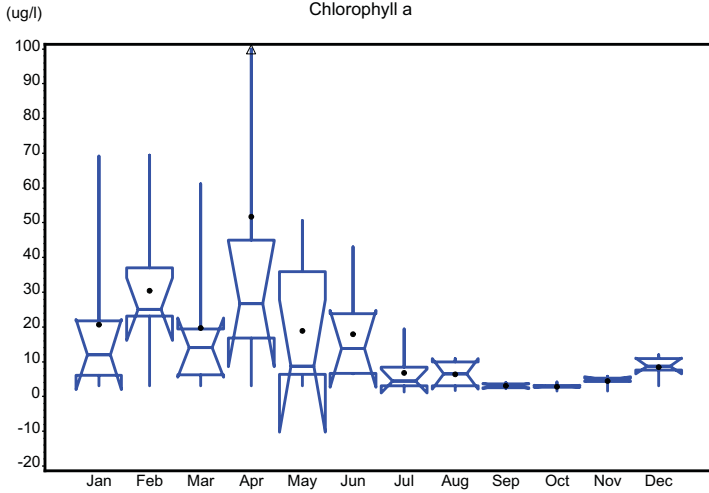
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



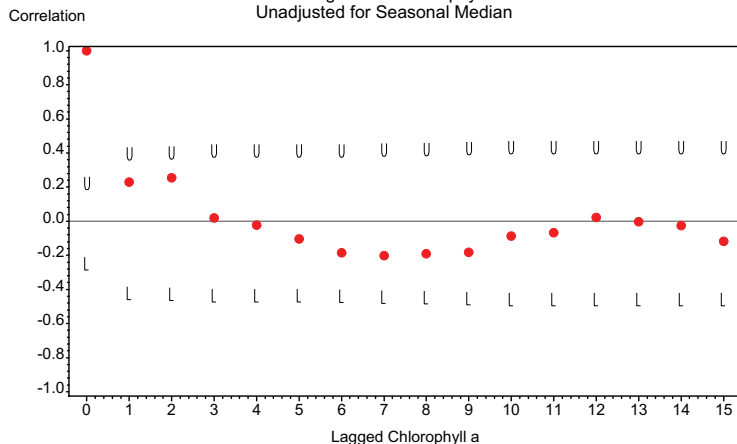
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.228	0.204	0.408	-0.408
2	0.254	0.208	0.415	-0.415
3	0.019	0.212	0.424	-0.424
4	-0.024	0.212	0.424	-0.424
5	-0.103	0.212	0.424	-0.424
6	-0.184	0.213	0.425	-0.425
7	-0.203	0.215	0.430	-0.430
8	-0.191	0.218	0.435	-0.435
9	-0.182	0.220	0.440	-0.440
10	-0.087	0.222	0.444	-0.444
11	-0.067	0.222	0.445	-0.445
12	0.022	0.223	0.445	-0.445
13	-0.002	0.223	0.445	-0.445
14	-0.026	0.223	0.445	-0.445
15	-0.119	0.223	0.446	-0.446

Fakahatchee Strand Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

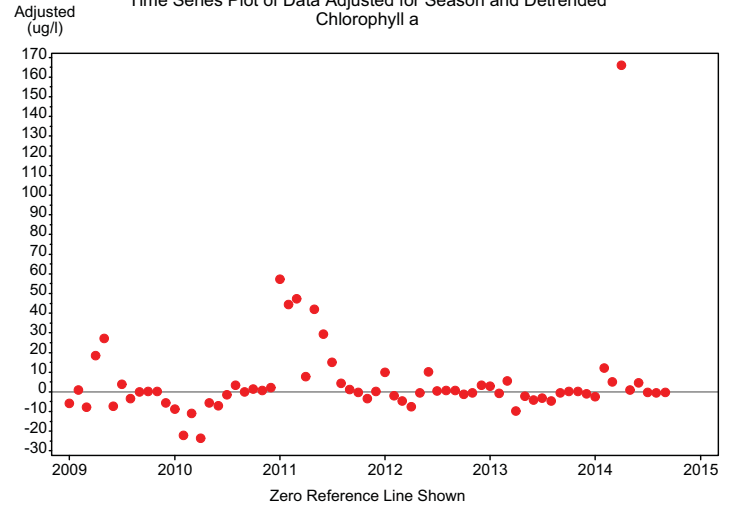
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.012	0.954	0.972	-0.025

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.012121	0.95426	0.97190	-0.025

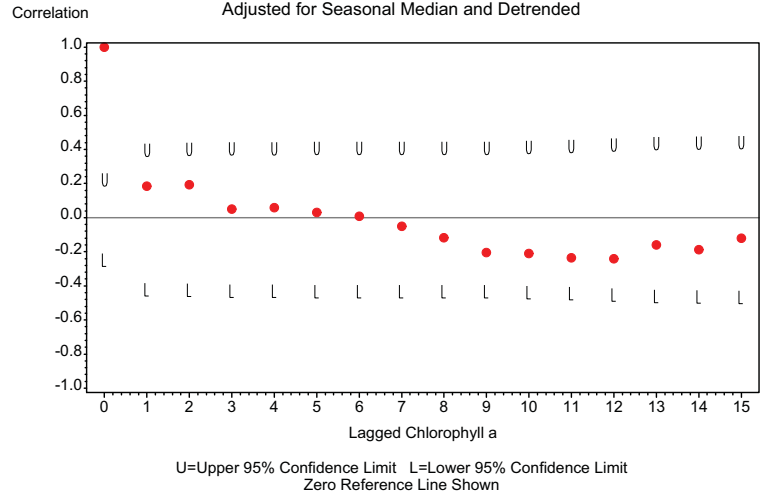
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



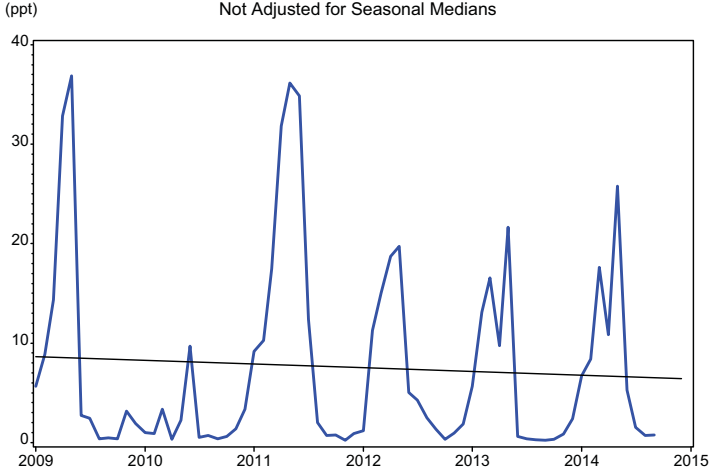
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.185	0.204	0.408	-0.408
2	0.194	0.206	0.413	-0.413
3	0.051	0.209	0.418	-0.418
4	0.059	0.209	0.418	-0.418
5	0.029	0.209	0.419	-0.419
6	0.008	0.209	0.419	-0.419
7	-0.050	0.209	0.419	-0.419
8	-0.118	0.210	0.419	-0.419
9	-0.205	0.210	0.421	-0.421
10	-0.211	0.213	0.426	-0.426
11	-0.235	0.216	0.432	-0.432
12	-0.241	0.220	0.439	-0.439
13	-0.161	0.223	0.447	-0.447
14	-0.188	0.225	0.450	-0.450
15	-0.120	0.227	0.454	-0.454

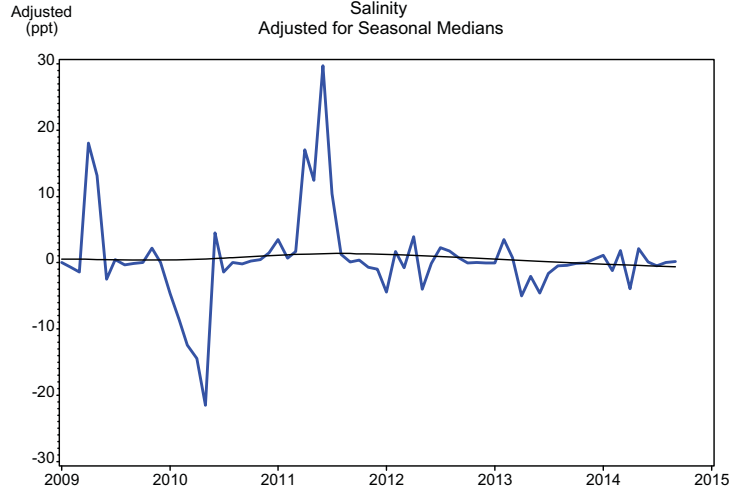
Fakahatchee Strand Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



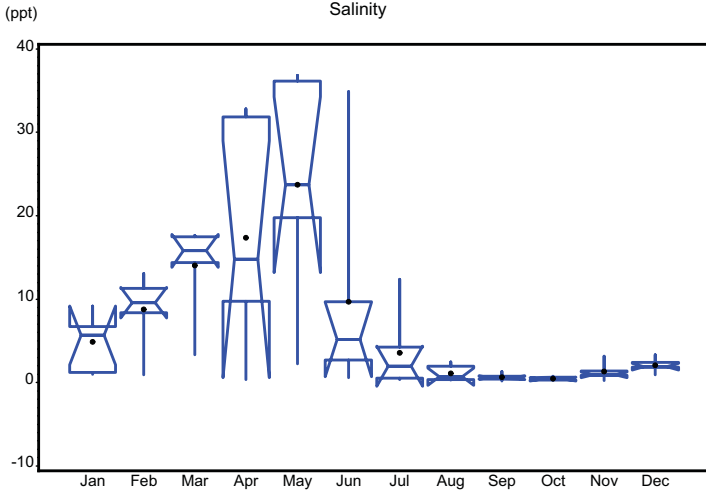
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



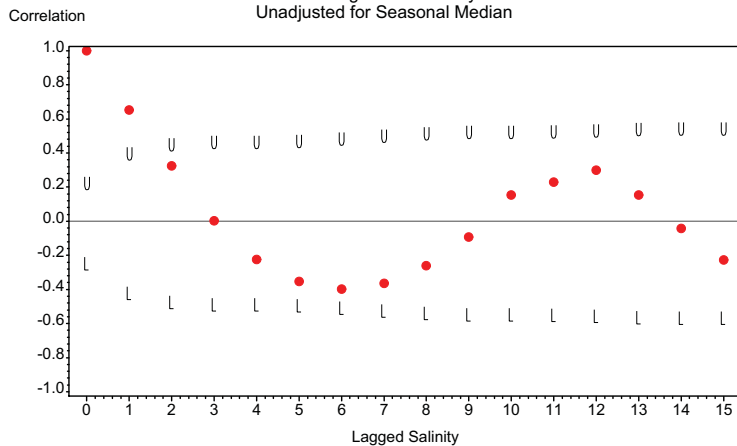
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Salinity



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.652	0.204	0.408	-0.408
2	0.324	0.231	0.463	-0.463
3	0.003	0.237	0.475	-0.475
4	-0.224	0.237	0.475	-0.475
5	-0.352	0.240	0.481	-0.481
6	-0.397	0.247	0.495	-0.495
7	-0.365	0.256	0.512	-0.512
8	-0.261	0.263	0.527	-0.527
9	-0.093	0.267	0.534	-0.534
10	0.153	0.267	0.535	-0.535
11	0.228	0.269	0.537	-0.537
12	0.299	0.271	0.542	-0.542
13	0.153	0.276	0.551	-0.551
14	-0.043	0.277	0.554	-0.554
15	-0.228	0.277	0.554	-0.554

Fakahatchee Strand Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

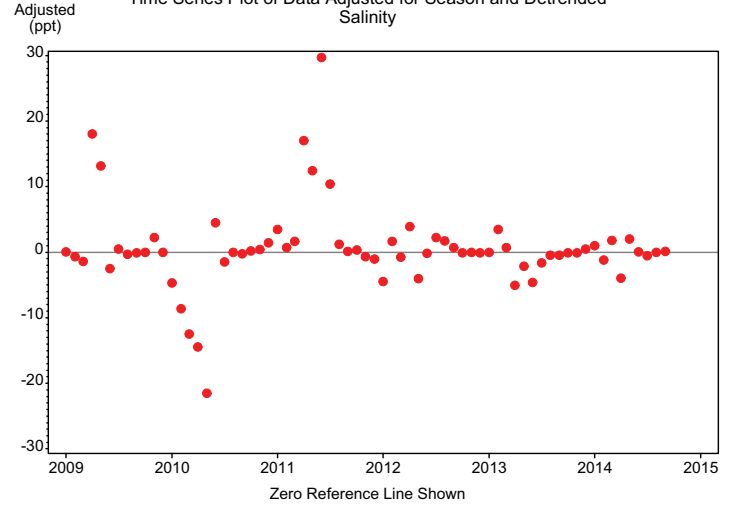
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.018	0.909	0.939	.008

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.018182	0.90883	0.93897	.00833333

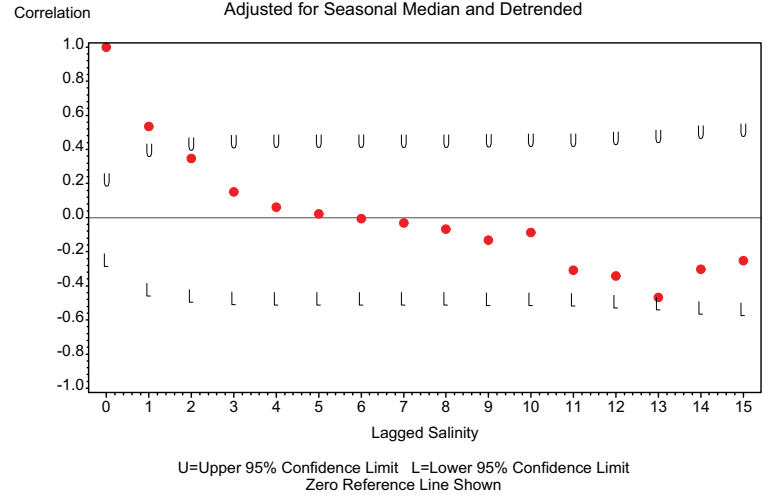
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



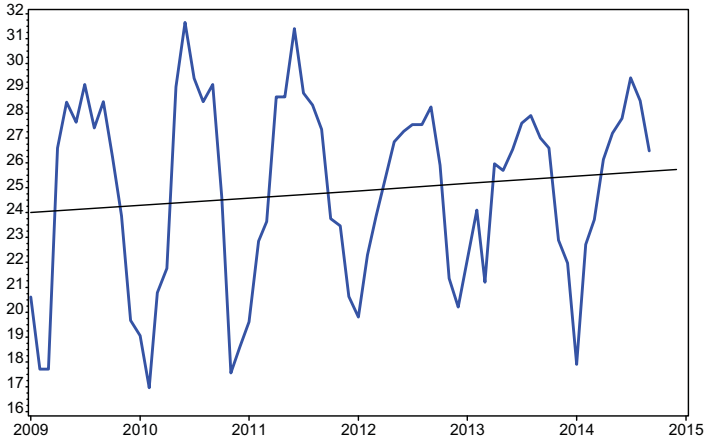
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.533	0.204	0.408	-0.408
2	0.346	0.223	0.445	-0.445
3	0.152	0.230	0.460	-0.460
4	0.060	0.231	0.463	-0.463
5	0.023	0.232	0.463	-0.463
6	-0.005	0.232	0.463	-0.463
7	-0.030	0.232	0.463	-0.463
8	-0.067	0.232	0.463	-0.463
9	-0.132	0.232	0.464	-0.464
10	-0.087	0.233	0.466	-0.466
11	-0.309	0.233	0.467	-0.467
12	-0.341	0.239	0.478	-0.478
13	-0.467	0.246	0.491	-0.491
14	-0.302	0.258	0.515	-0.515
15	-0.252	0.263	0.525	-0.525

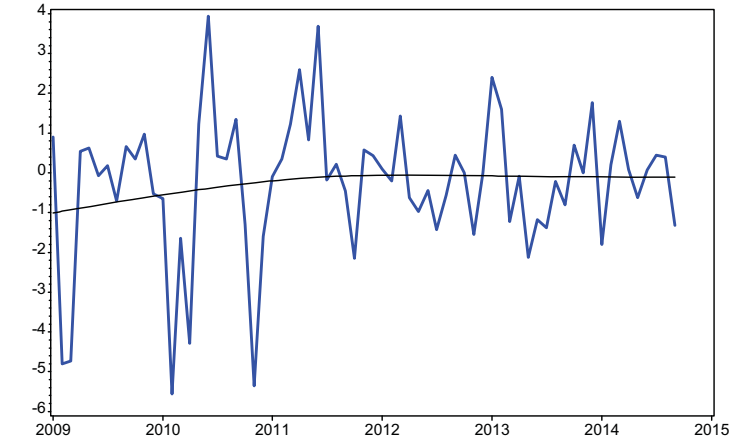
Fakahatchee Strand Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



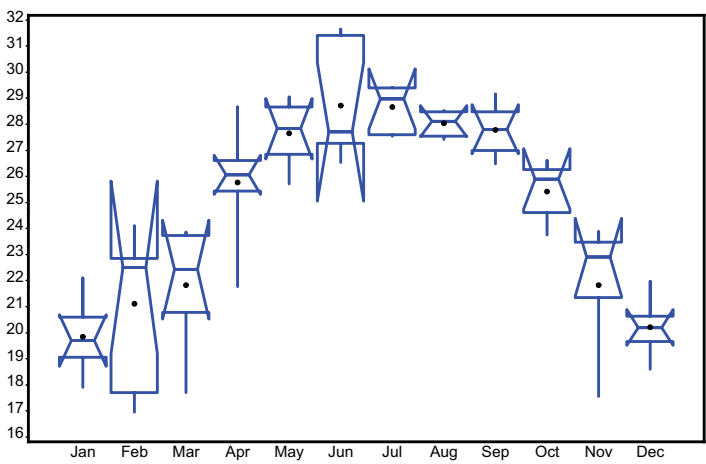
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



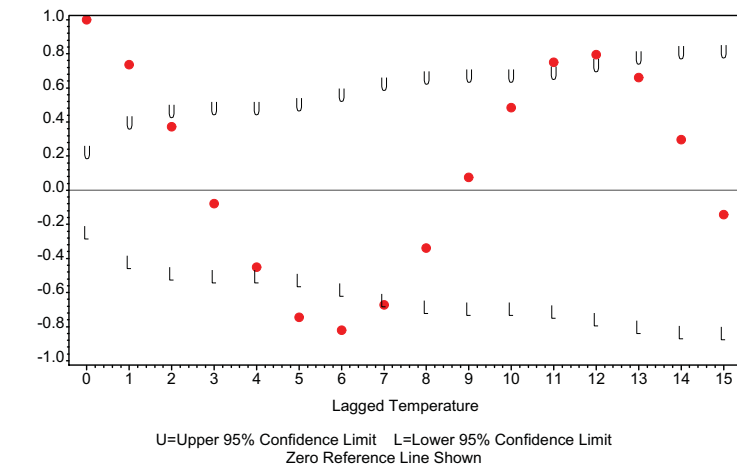
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Temperature



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.735	0.204	0.408	-0.408
2	0.371	0.238	0.476	-0.476
3	-0.079	0.246	0.492	-0.492
4	-0.451	0.246	0.493	-0.493
5	-0.745	0.258	0.515	-0.515
6	-0.822	0.286	0.572	-0.572
7	-0.673	0.317	0.634	-0.634
8	-0.340	0.336	0.672	-0.672
9	0.076	0.341	0.682	-0.682
10	0.484	0.341	0.682	-0.682
11	0.751	0.351	0.701	-0.701
12	0.795	0.372	0.744	-0.744
13	0.660	0.395	0.790	-0.790
14	0.295	0.410	0.820	-0.820
15	-0.143	0.413	0.826	-0.826

Fakahatchee Strand Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



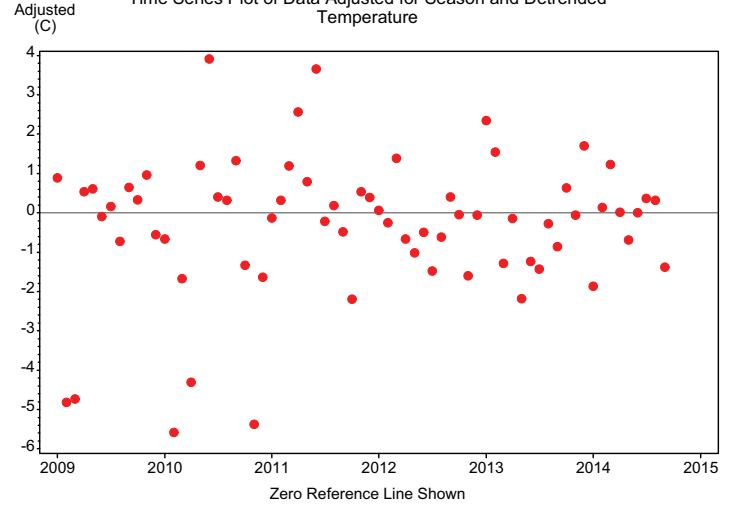
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.018	0.909	0.876	0.011

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.018182	0.90883	0.87627	0.01075

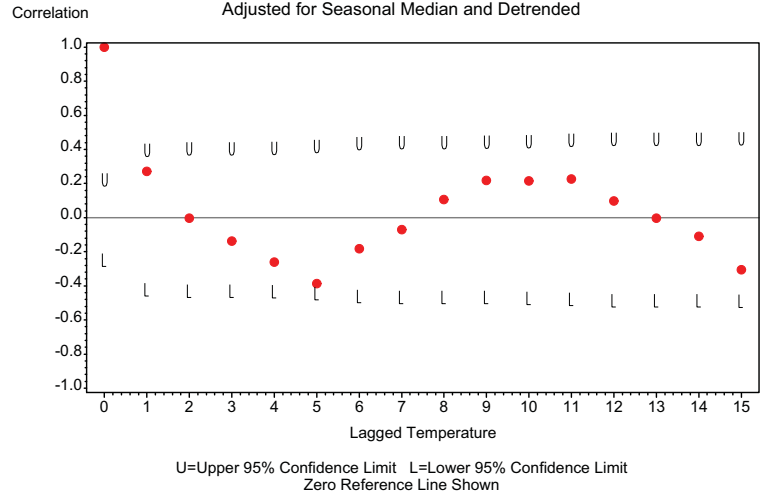
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



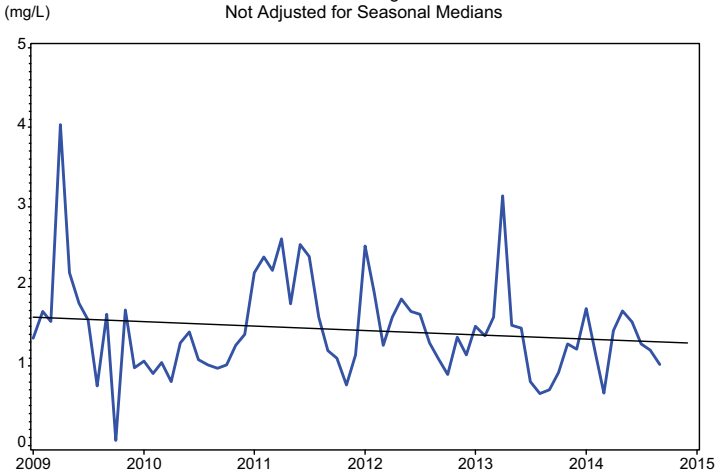
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.271	0.204	0.408	-0.408
2	-0.004	0.209	0.418	-0.418
3	-0.137	0.209	0.418	-0.418
4	-0.261	0.210	0.421	-0.421
5	-0.388	0.215	0.430	-0.430
6	-0.182	0.224	0.449	-0.449
7	-0.070	0.226	0.453	-0.453
8	0.106	0.227	0.453	-0.453
9	0.218	0.227	0.455	-0.455
10	0.216	0.230	0.460	-0.460
11	0.225	0.233	0.466	-0.466
12	0.097	0.236	0.472	-0.472
13	-0.003	0.237	0.473	-0.473
14	-0.111	0.237	0.473	-0.473
15	-0.307	0.237	0.475	-0.475

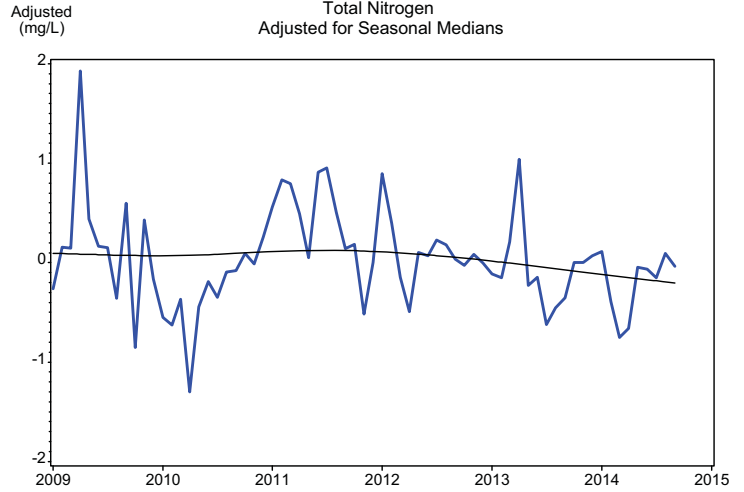
Fakahatchee Strand Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



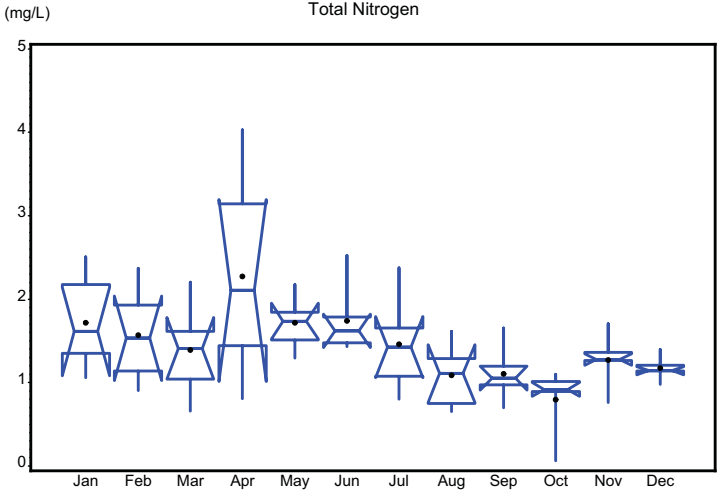
Fakahatchee Strand Trends Appendix
 Monthly Data Time Series
 Total Nitrogen
 Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
 Monthly Data Time Series
 Total Nitrogen
 Adjusted for Seasonal Medians



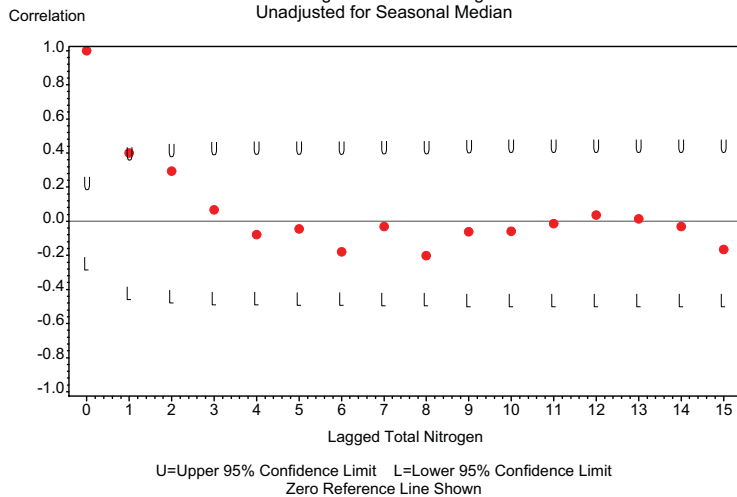
Fakahatchee Strand Trends Appendix
 Seasonal Univariate Statistics
 Total Nitrogen



Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.399	0.204	0.408	-0.408
2	0.293	0.215	0.429	-0.429
3	0.066	0.220	0.440	-0.440
4	-0.080	0.220	0.441	-0.441
5	-0.044	0.221	0.442	-0.442
6	-0.179	0.221	0.442	-0.442
7	-0.032	0.223	0.446	-0.446
8	-0.202	0.223	0.446	-0.446
9	-0.063	0.226	0.451	-0.451
10	-0.059	0.226	0.452	-0.452
11	-0.014	0.226	0.452	-0.452
12	0.036	0.226	0.452	-0.452
13	0.014	0.226	0.452	-0.452
14	-0.031	0.226	0.452	-0.452
15	-0.165	0.226	0.452	-0.452

Fakahatchee Strand Trends Appendix
 Correlogram for Total Nitrogen
 Unadjusted for Seasonal Median



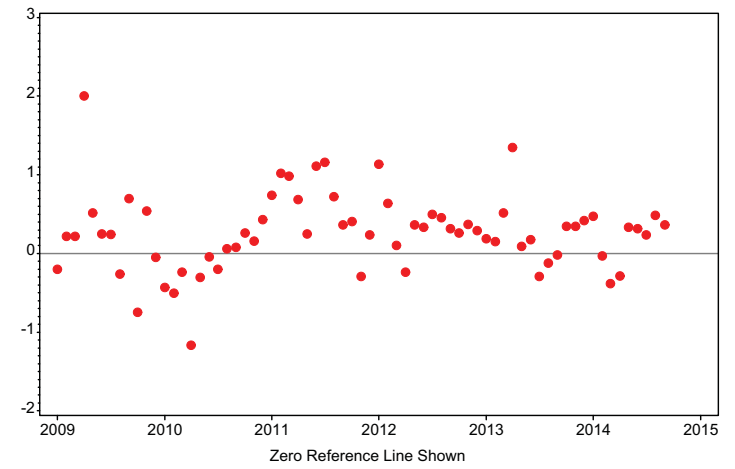
Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.103	0.36	0.631	-0.06

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10303	0.35959	0.63070	-0.059667

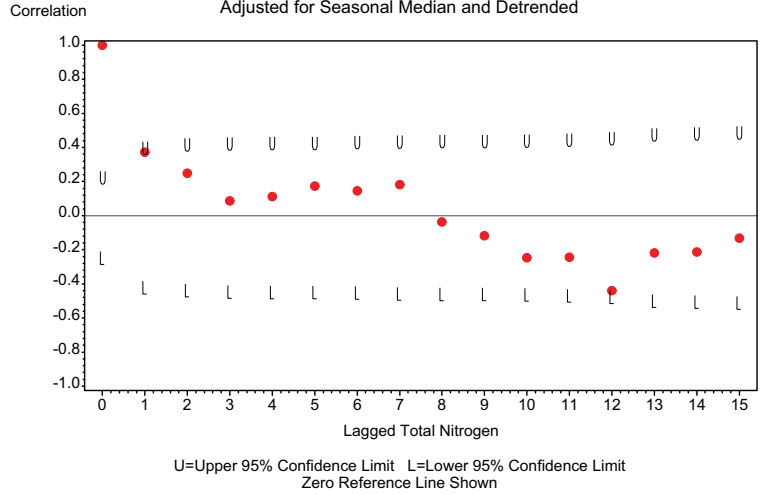
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



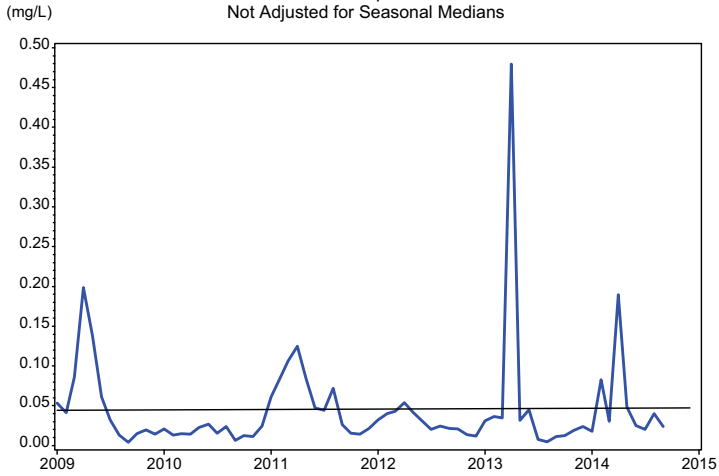
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.372	0.204	0.408	-0.408
2	0.250	0.213	0.427	-0.427
3	0.087	0.217	0.435	-0.435
4	0.112	0.218	0.436	-0.436
5	0.173	0.219	0.437	-0.437
6	0.145	0.221	0.441	-0.441
7	0.182	0.222	0.444	-0.444
8	-0.038	0.224	0.448	-0.448
9	-0.117	0.224	0.448	-0.448
10	-0.247	0.225	0.450	-0.450
11	-0.244	0.229	0.457	-0.457
12	-0.440	0.232	0.464	-0.464
13	-0.219	0.244	0.487	-0.487
14	-0.213	0.246	0.492	-0.492
15	-0.133	0.249	0.498	-0.498

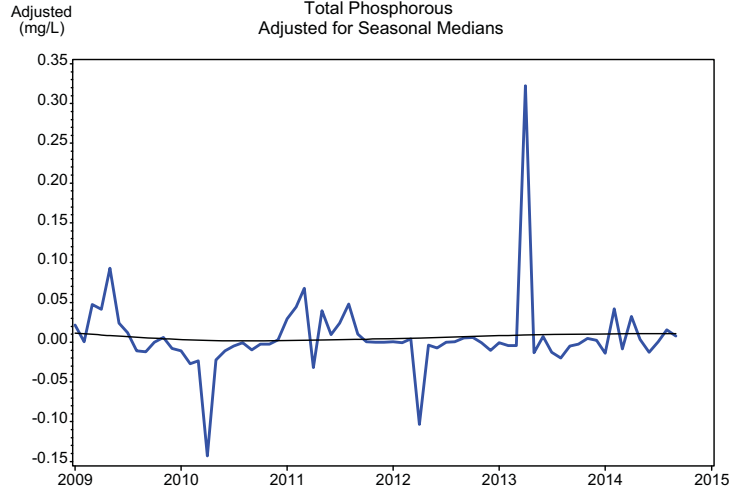
Fakahatchee Strand Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



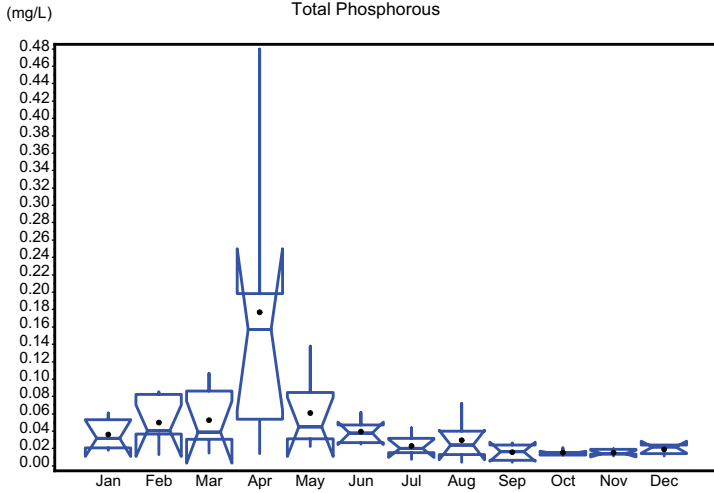
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



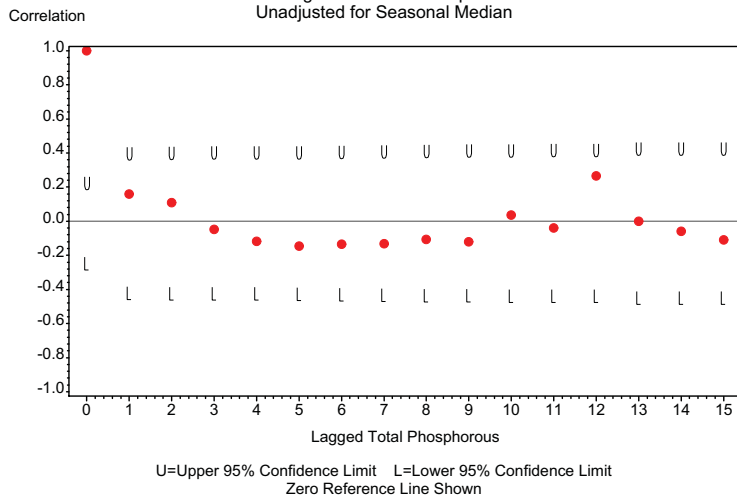
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.158	0.204	0.408	-0.408
2	0.108	0.206	0.412	-0.412
3	-0.047	0.207	0.413	-0.413
4	-0.118	0.207	0.413	-0.413
5	-0.145	0.208	0.415	-0.415
6	-0.136	0.209	0.418	-0.418
7	-0.131	0.210	0.421	-0.421
8	-0.108	0.211	0.423	-0.423
9	-0.122	0.212	0.424	-0.424
10	0.035	0.213	0.426	-0.426
11	-0.039	0.213	0.427	-0.427
12	0.266	0.213	0.427	-0.427
13	0.000	0.218	0.436	-0.436
14	-0.060	0.218	0.436	-0.436
15	-0.111	0.218	0.436	-0.436

Fakahatchee Strand Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



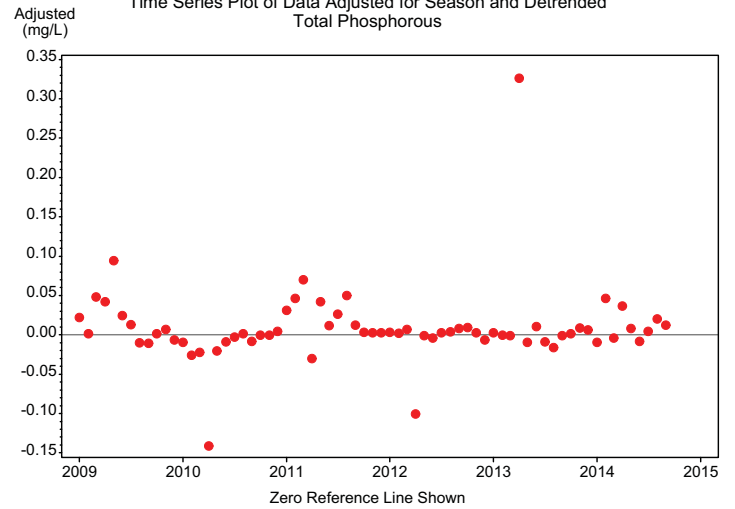
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.048	0.687	0.842	-0.001

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.066667	0.56564	0.77604	-0.000666666

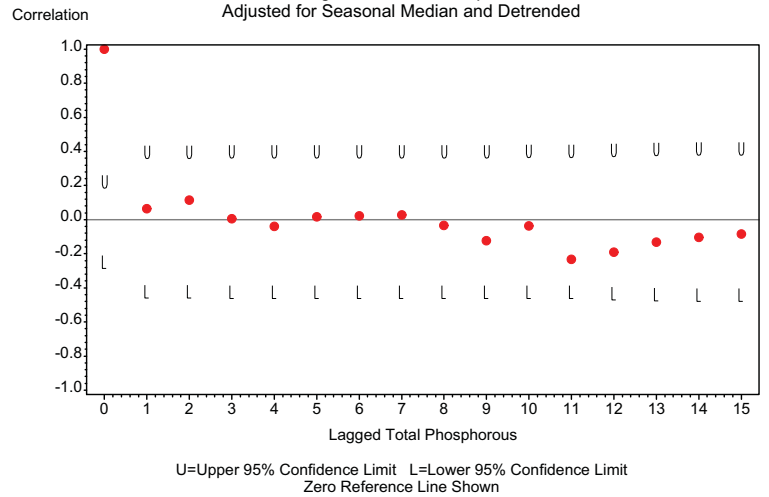
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



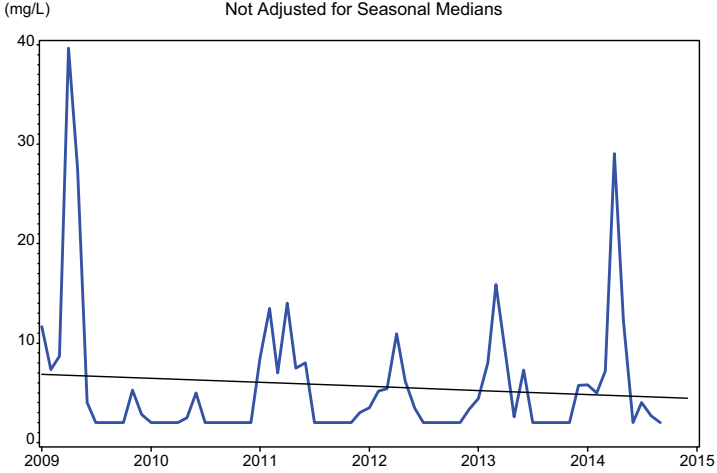
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.064	0.204	0.408	-0.408
2	0.113	0.204	0.409	-0.409
3	0.006	0.205	0.411	-0.411
4	-0.041	0.205	0.411	-0.411
5	0.016	0.205	0.411	-0.411
6	0.023	0.205	0.411	-0.411
7	0.027	0.205	0.411	-0.411
8	-0.034	0.205	0.411	-0.411
9	-0.125	0.206	0.411	-0.411
10	-0.036	0.207	0.413	-0.413
11	-0.234	0.207	0.413	-0.413
12	-0.190	0.210	0.421	-0.421
13	-0.132	0.213	0.425	-0.425
14	-0.105	0.214	0.428	-0.428
15	-0.084	0.215	0.429	-0.429

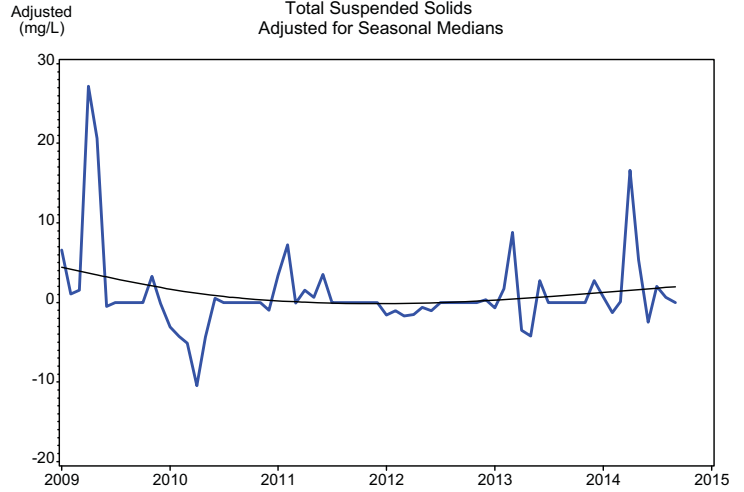
Fakahatchee Strand Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



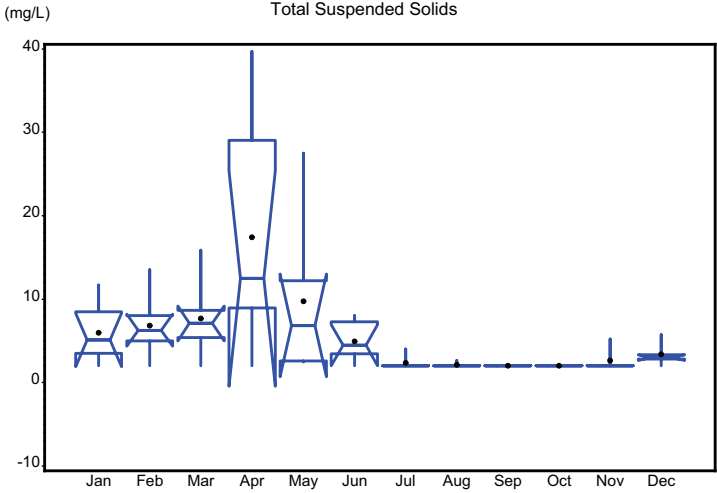
Fakahatchee Strand Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



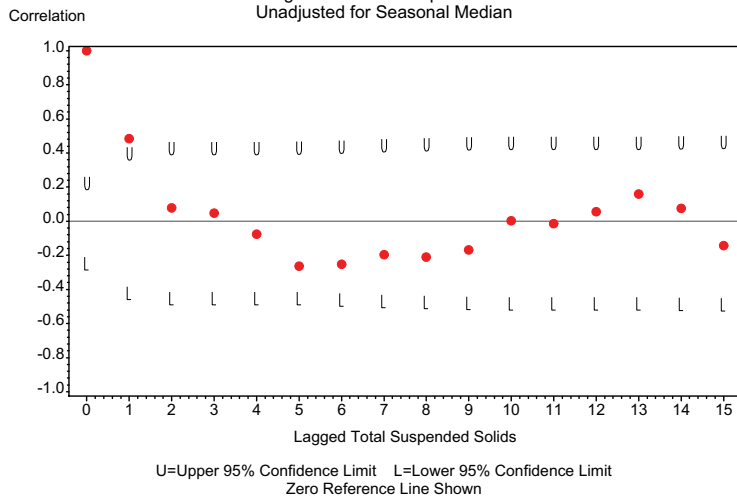
Fakahatchee Strand Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.484	0.204	0.408	-0.408
2	0.078	0.219	0.439	-0.439
3	0.047	0.220	0.440	-0.440
4	-0.076	0.220	0.440	-0.440
5	-0.264	0.220	0.441	-0.441
6	-0.252	0.225	0.449	-0.449
7	-0.197	0.229	0.457	-0.457
8	-0.210	0.231	0.462	-0.462
9	-0.168	0.234	0.467	-0.467
10	0.001	0.235	0.471	-0.471
11	-0.015	0.235	0.471	-0.471
12	0.056	0.235	0.471	-0.471
13	0.160	0.235	0.471	-0.471
14	0.074	0.237	0.474	-0.474
15	-0.144	0.237	0.475	-0.475

Fakahatchee Strand Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



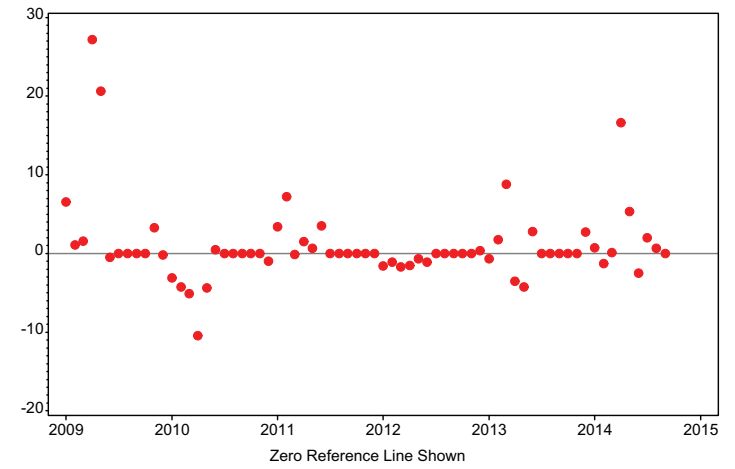
Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.061	0.542	0.729	0

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.060606	0.54216	0.72858	0

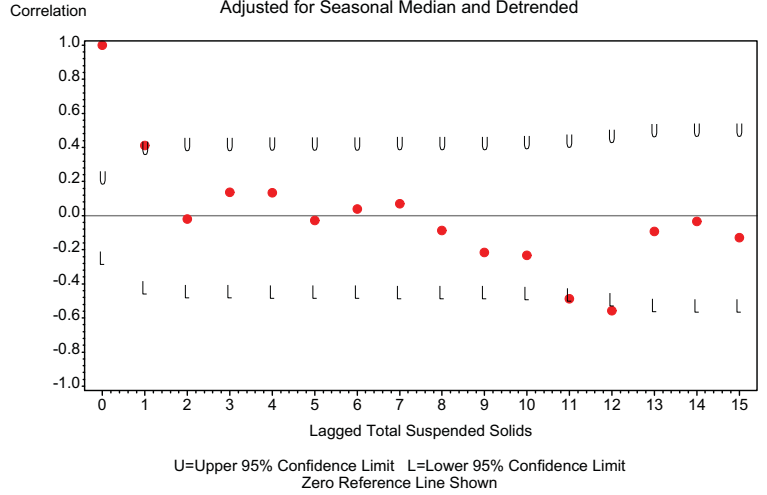
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



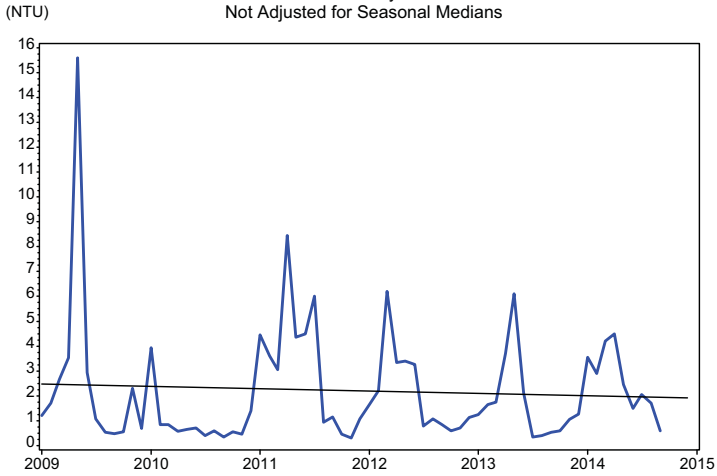
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.411	0.204	0.408	-0.408
2	-0.020	0.215	0.431	-0.431
3	0.136	0.215	0.431	-0.431
4	0.134	0.217	0.433	-0.433
5	-0.028	0.218	0.435	-0.435
6	0.038	0.218	0.435	-0.435
7	0.070	0.218	0.436	-0.436
8	-0.088	0.218	0.436	-0.436
9	-0.216	0.219	0.437	-0.437
10	-0.232	0.222	0.443	-0.443
11	-0.489	0.225	0.450	-0.450
12	-0.558	0.239	0.478	-0.478
13	-0.092	0.257	0.513	-0.513
14	-0.035	0.257	0.514	-0.514
15	-0.129	0.257	0.514	-0.514

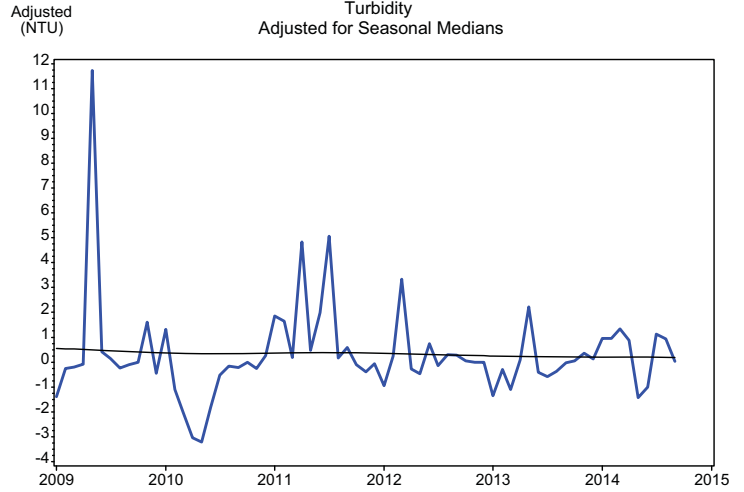
Fakahatchee Strand Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



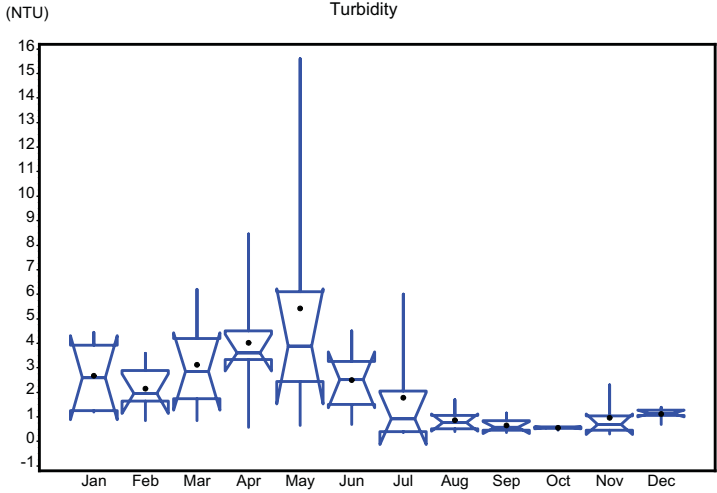
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



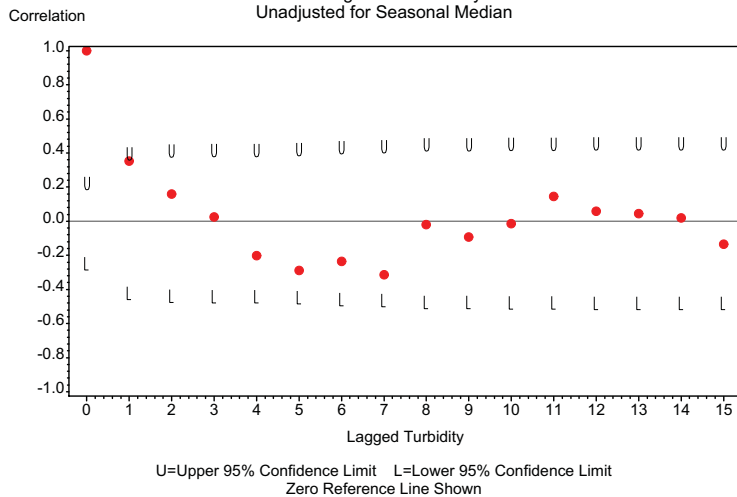
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Turbidity



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.351	0.204	0.408	-0.408
2	0.160	0.212	0.425	-0.425
3	0.026	0.214	0.428	-0.428
4	-0.201	0.214	0.428	-0.428
5	-0.289	0.217	0.433	-0.433
6	-0.236	0.222	0.444	-0.444
7	-0.315	0.225	0.451	-0.451
8	-0.020	0.231	0.463	-0.463
9	-0.093	0.231	0.463	-0.463
10	-0.015	0.232	0.464	-0.464
11	0.144	0.232	0.464	-0.464
12	0.059	0.233	0.467	-0.467
13	0.045	0.233	0.467	-0.467
14	0.019	0.234	0.467	-0.467
15	-0.134	0.234	0.467	-0.467

Fakahatchee Strand Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



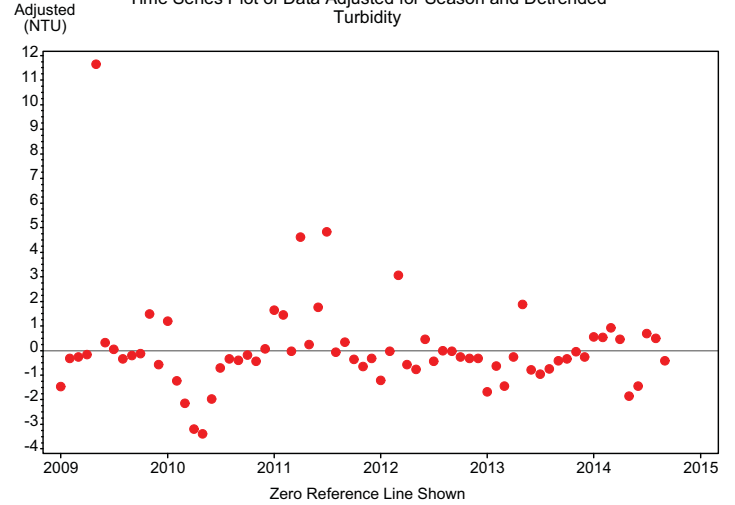
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.152	0.168	0.382	0.067

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.15152	0.16797	0.38158	0.067

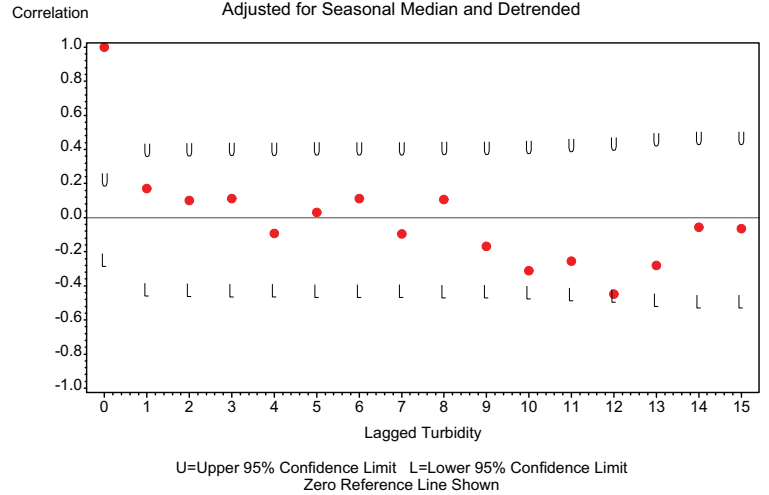
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



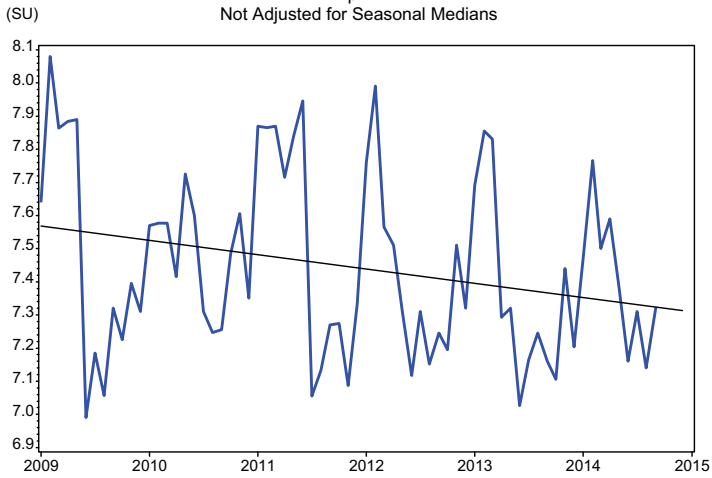
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.170	0.204	0.408	-0.408
2	0.101	0.206	0.412	-0.412
3	0.111	0.207	0.414	-0.414
4	-0.093	0.208	0.415	-0.415
5	0.030	0.208	0.416	-0.416
6	0.112	0.208	0.416	-0.416
7	-0.097	0.209	0.418	-0.418
8	0.107	0.210	0.419	-0.419
9	-0.168	0.210	0.421	-0.421
10	-0.312	0.212	0.425	-0.425
11	-0.256	0.219	0.437	-0.437
12	-0.448	0.223	0.445	-0.445
13	-0.281	0.235	0.470	-0.470
14	-0.057	0.240	0.479	-0.479
15	-0.064	0.240	0.479	-0.479

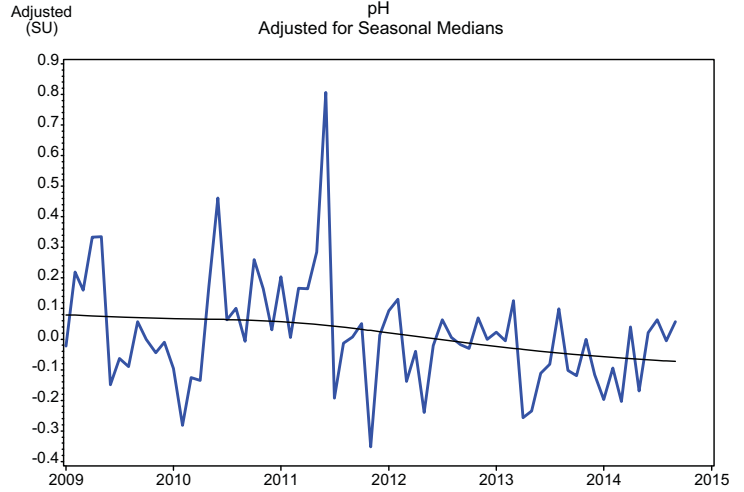
Fakahatchee Strand Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



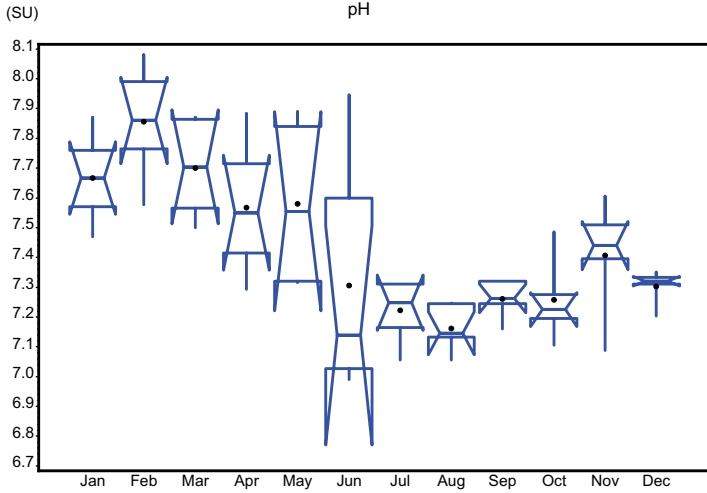
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



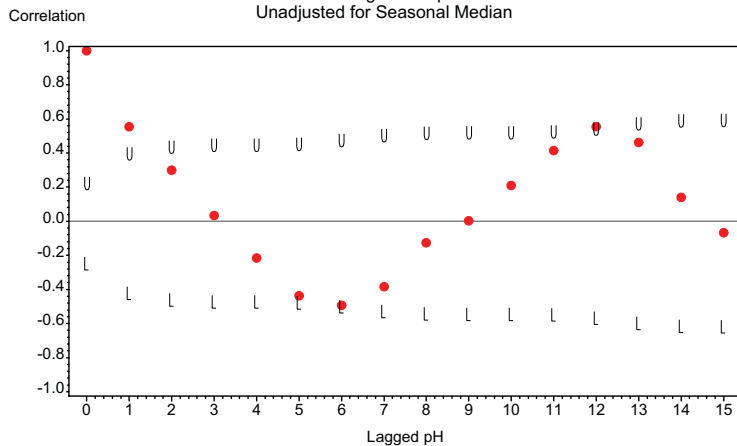
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
pH



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.554	0.204	0.408	-0.408
2	0.300	0.224	0.448	-0.448
3	0.032	0.230	0.459	-0.459
4	-0.217	0.230	0.459	-0.459
5	-0.438	0.232	0.465	-0.465
6	-0.493	0.244	0.487	-0.487
7	-0.385	0.257	0.514	-0.514
8	-0.126	0.265	0.530	-0.530
9	0.002	0.266	0.532	-0.532
10	0.210	0.266	0.532	-0.532
11	0.413	0.268	0.536	-0.536
12	0.553	0.277	0.554	-0.554
13	0.461	0.292	0.584	-0.584
14	0.140	0.302	0.603	-0.603
15	-0.067	0.303	0.605	-0.605

Fakahatchee Strand Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

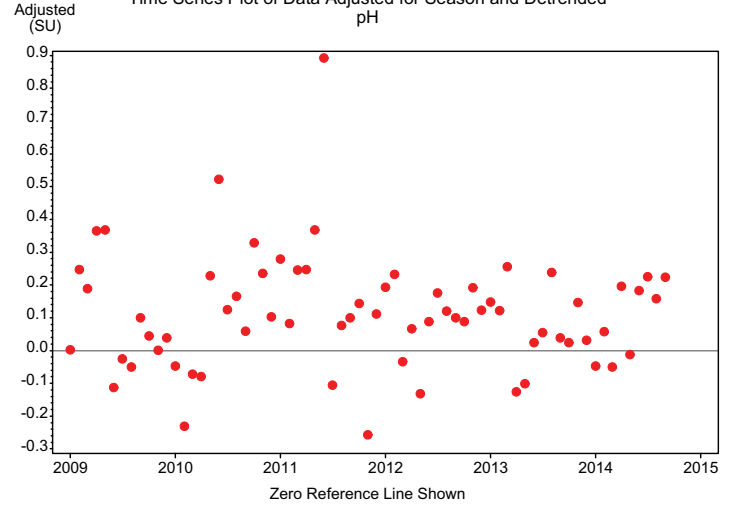
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.212	0.05	0.082	-0.025

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.21212	0.049774	0.081531	-0.025

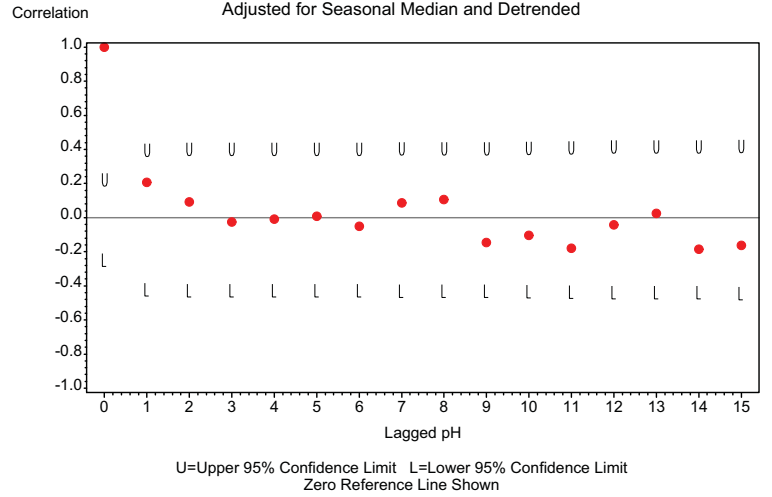
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



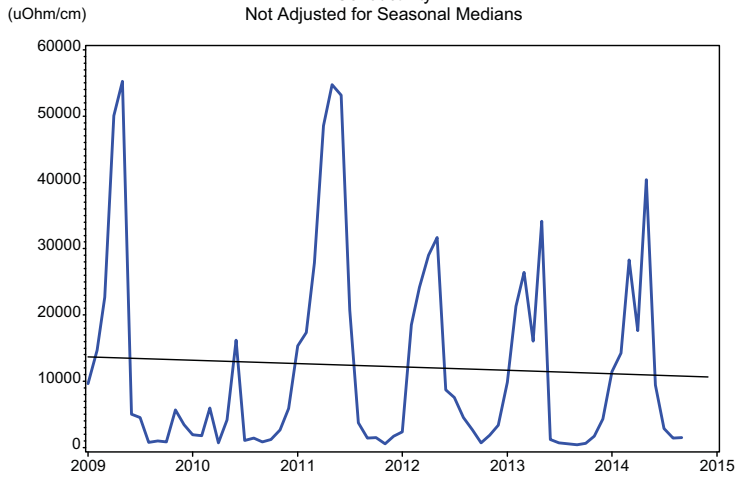
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.208	0.204	0.408	-0.408
2	0.092	0.207	0.414	-0.414
3	-0.025	0.208	0.415	-0.415
4	-0.008	0.208	0.415	-0.415
5	0.007	0.208	0.415	-0.415
6	-0.051	0.208	0.415	-0.415
7	0.085	0.208	0.416	-0.416
8	0.107	0.208	0.417	-0.417
9	-0.145	0.209	0.418	-0.418
10	-0.105	0.210	0.421	-0.421
11	-0.179	0.211	0.422	-0.422
12	-0.042	0.213	0.427	-0.427
13	0.025	0.213	0.427	-0.427
14	-0.186	0.213	0.427	-0.427
15	-0.162	0.216	0.431	-0.431

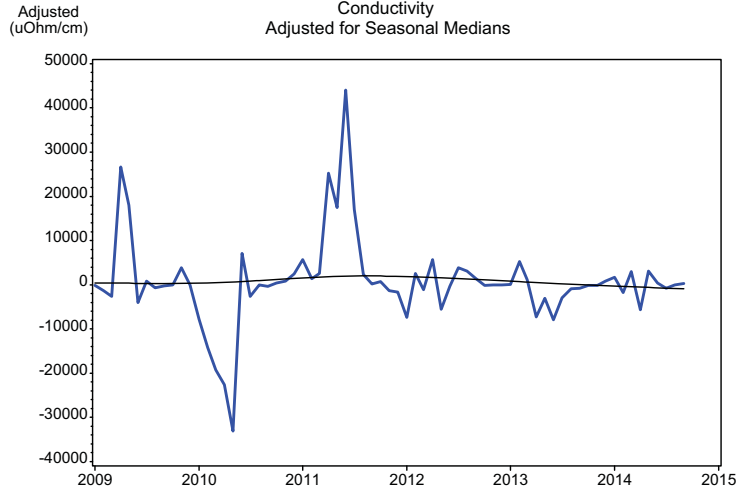
Fakahatchee Strand Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



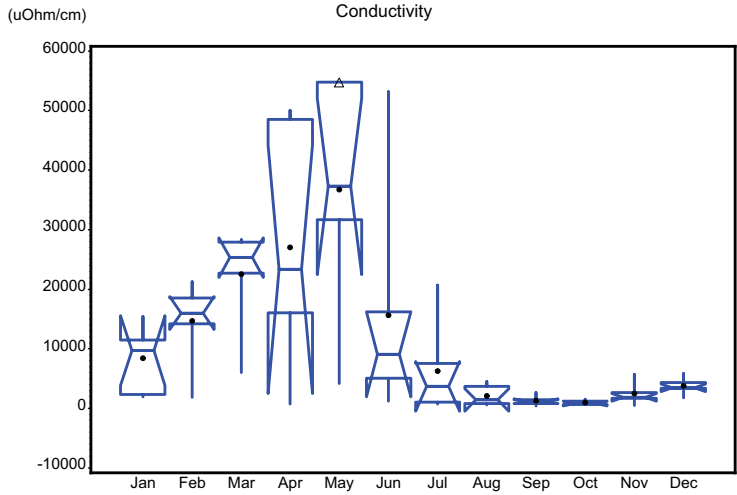
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



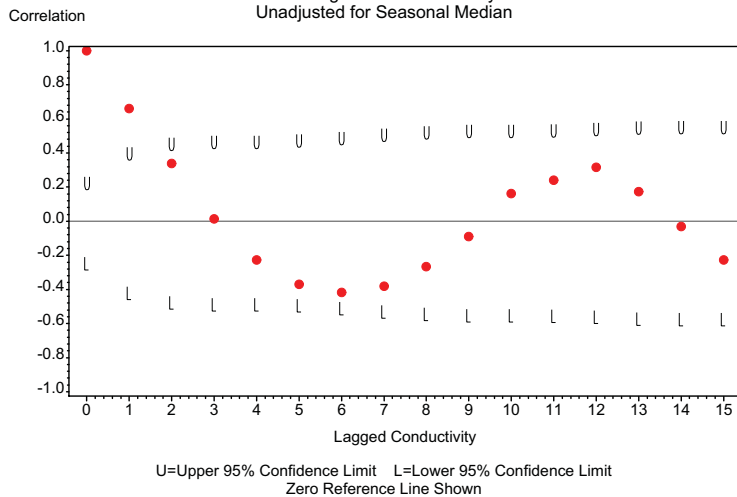
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Conductivity



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.659	0.204	0.408	-0.408
2	0.339	0.232	0.464	-0.464
3	0.014	0.239	0.477	-0.477
4	-0.228	0.239	0.477	-0.477
5	-0.369	0.242	0.483	-0.483
6	-0.417	0.249	0.499	-0.499
7	-0.380	0.259	0.518	-0.518
8	-0.267	0.266	0.533	-0.533
9	-0.091	0.270	0.540	-0.540
10	0.161	0.271	0.541	-0.541
11	0.239	0.272	0.544	-0.544
12	0.317	0.275	0.550	-0.550
13	0.173	0.280	0.560	-0.560
14	-0.031	0.281	0.563	-0.563
15	-0.228	0.281	0.563	-0.563

Fakahatchee Strand Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



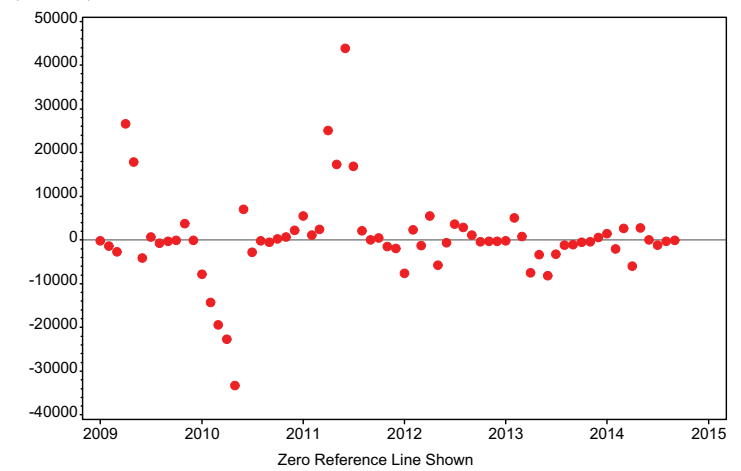
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.03	0.819	0.874	50.042

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.030303	0.81884	0.87446	50.0415

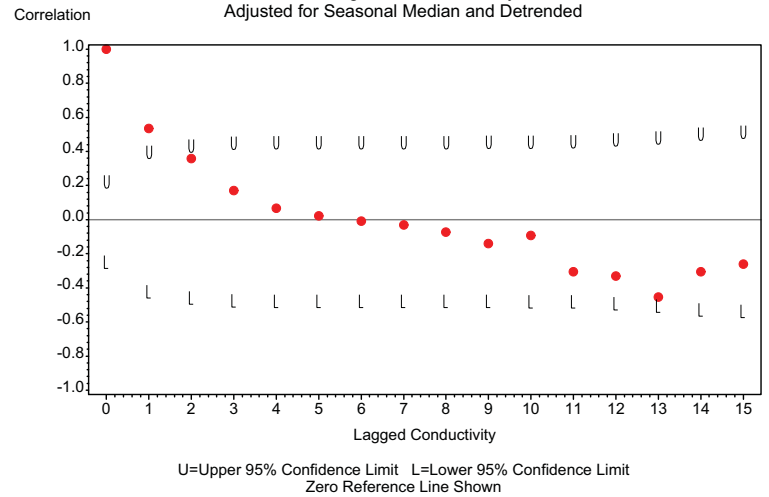
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



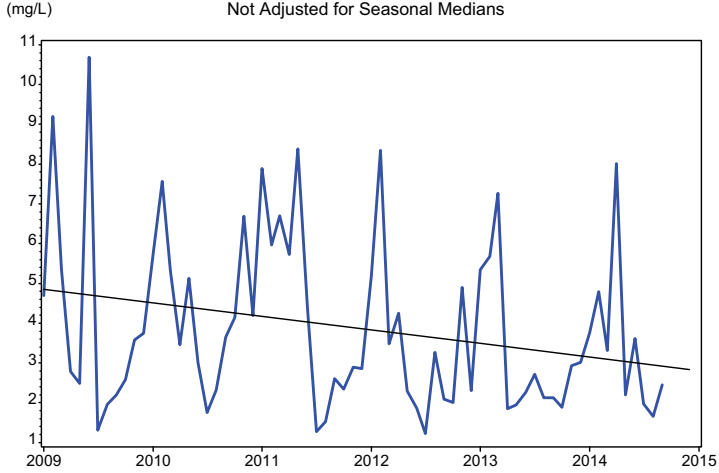
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.534	0.204	0.408	-0.408
2	0.357	0.223	0.445	-0.445
3	0.170	0.231	0.461	-0.461
4	0.066	0.232	0.464	-0.464
5	0.022	0.233	0.465	-0.465
6	-0.008	0.233	0.465	-0.465
7	-0.031	0.233	0.465	-0.465
8	-0.072	0.233	0.465	-0.465
9	-0.141	0.233	0.466	-0.466
10	-0.093	0.234	0.468	-0.468
11	-0.307	0.235	0.469	-0.469
12	-0.330	0.240	0.480	-0.480
13	-0.453	0.246	0.493	-0.493
14	-0.305	0.258	0.515	-0.515
15	-0.261	0.263	0.525	-0.525

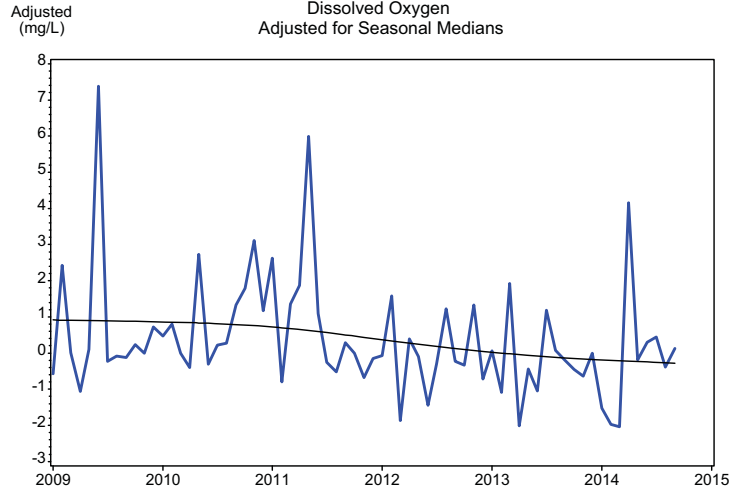
Fakahatchee Strand Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



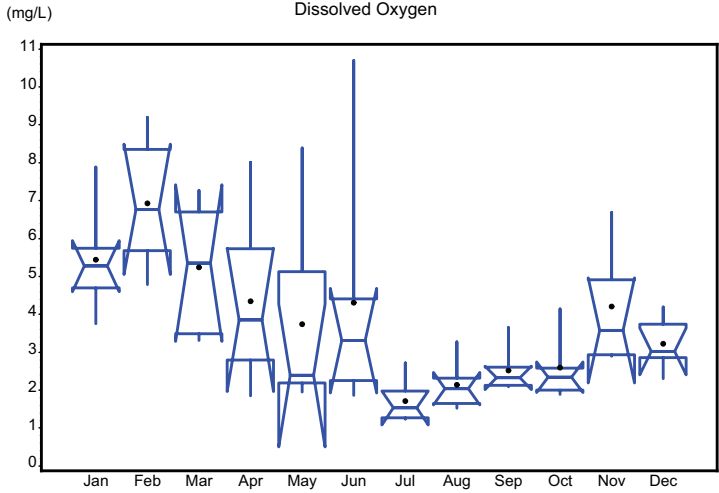
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



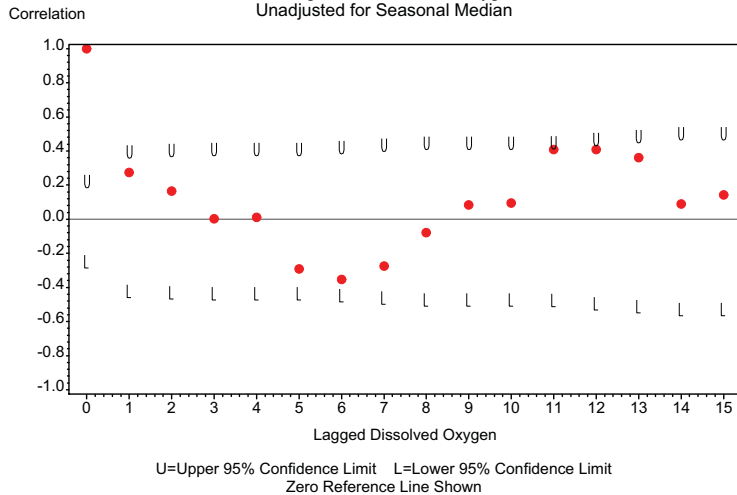
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.274	0.204	0.408	-0.408
2	0.166	0.209	0.418	-0.418
3	0.001	0.211	0.422	-0.422
4	0.011	0.211	0.422	-0.422
5	-0.293	0.211	0.422	-0.422
6	-0.354	0.217	0.433	-0.433
7	-0.276	0.224	0.449	-0.449
8	-0.079	0.229	0.458	-0.458
9	0.084	0.230	0.459	-0.459
10	0.094	0.230	0.460	-0.460
11	0.409	0.230	0.461	-0.461
12	0.407	0.240	0.481	-0.481
13	0.360	0.250	0.499	-0.499
14	0.089	0.257	0.514	-0.514
15	0.142	0.257	0.515	-0.515

Fakahatchee Strand Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



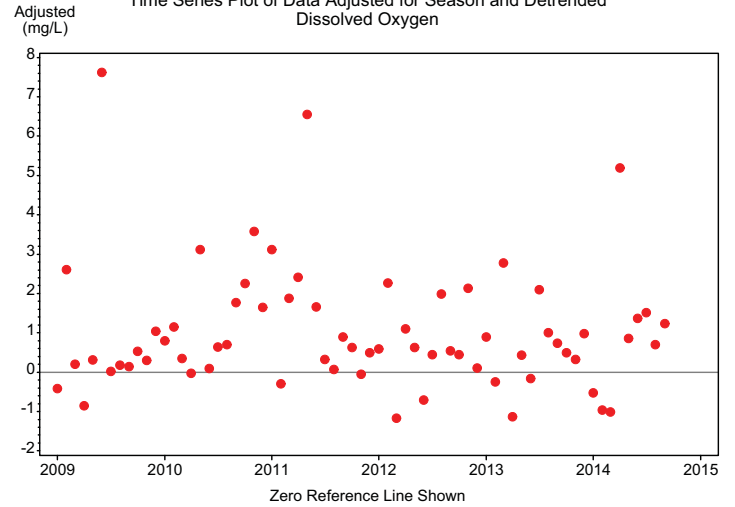
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.236	0.03	0.087	-0.166

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23636	0.029565	0.087428	-0.16575

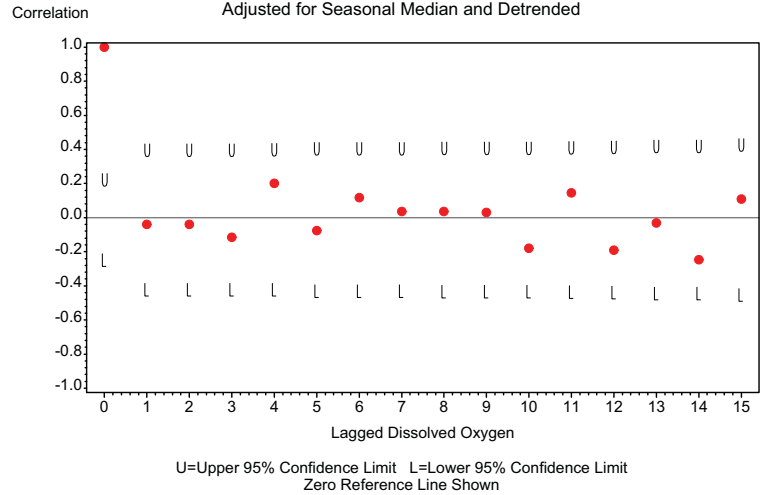
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



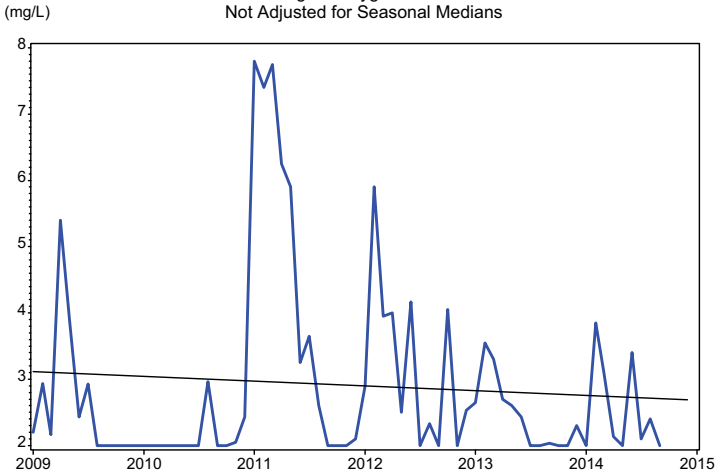
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.039	0.204	0.408	-0.408
2	-0.041	0.204	0.408	-0.408
3	-0.114	0.204	0.409	-0.409
4	0.200	0.205	0.410	-0.410
5	-0.075	0.208	0.416	-0.416
6	0.116	0.208	0.417	-0.417
7	0.036	0.209	0.418	-0.418
8	0.037	0.209	0.419	-0.419
9	0.029	0.209	0.419	-0.419
10	-0.181	0.209	0.419	-0.419
11	0.146	0.212	0.423	-0.423
12	-0.190	0.213	0.426	-0.426
13	-0.030	0.215	0.431	-0.431
14	-0.248	0.215	0.431	-0.431
15	0.109	0.219	0.439	-0.439

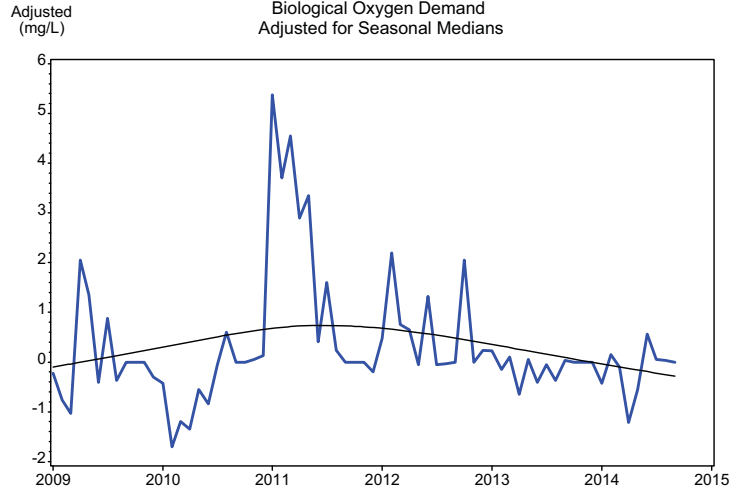
Fakahatchee Strand Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



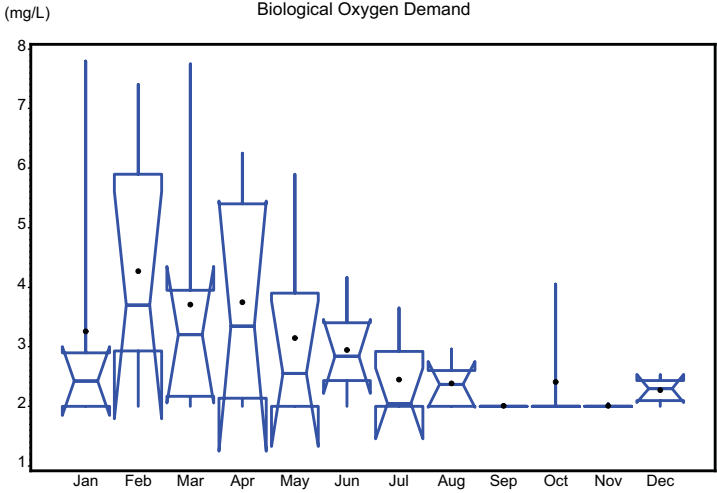
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



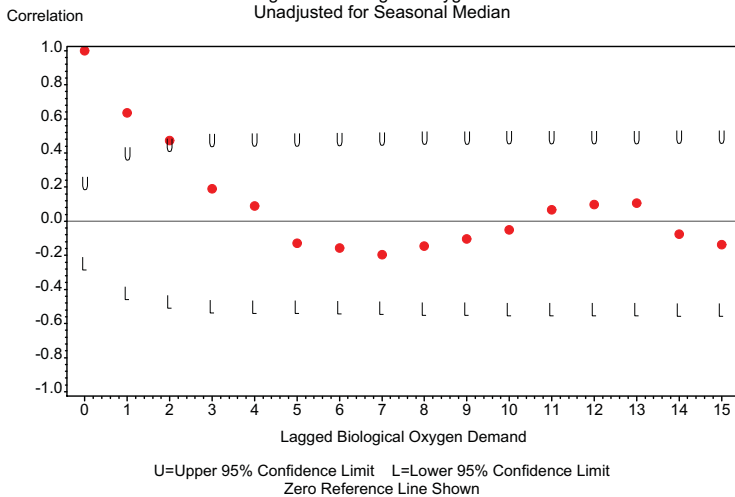
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.636	0.204	0.408	-0.408
2	0.473	0.230	0.460	-0.460
3	0.191	0.243	0.486	-0.486
4	0.088	0.245	0.490	-0.490
5	-0.128	0.246	0.491	-0.491
6	-0.156	0.247	0.493	-0.493
7	-0.196	0.248	0.496	-0.496
8	-0.147	0.250	0.500	-0.500
9	-0.104	0.251	0.502	-0.502
10	-0.050	0.252	0.504	-0.504
11	0.067	0.252	0.504	-0.504
12	0.098	0.252	0.504	-0.504
13	0.106	0.253	0.505	-0.505
14	-0.077	0.253	0.507	-0.507
15	-0.139	0.254	0.507	-0.507

Fakahatchee Strand Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



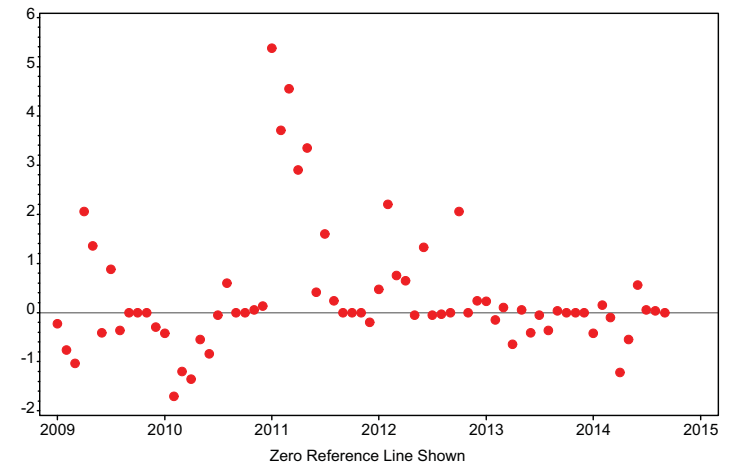
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012	0.951	0.97	0

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012121	0.95086	0.96998	0

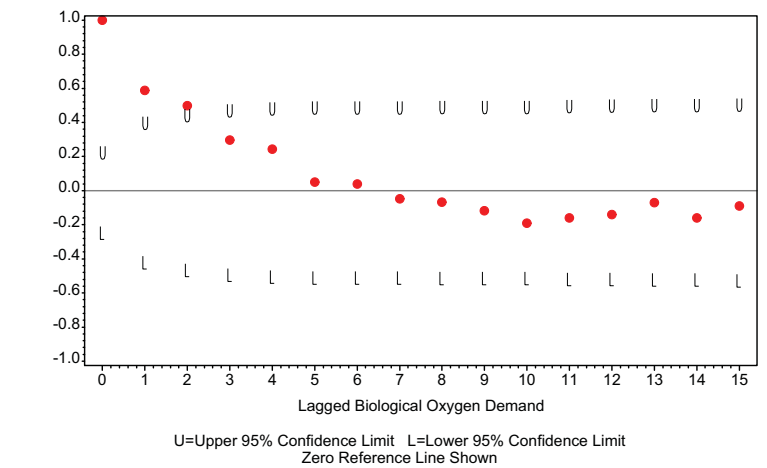
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



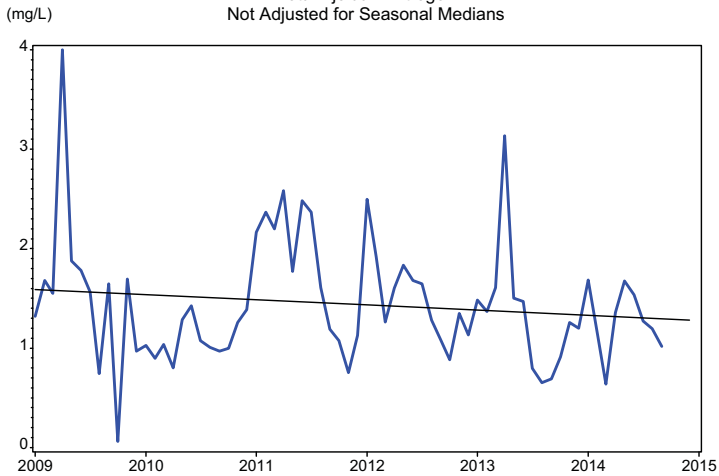
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.587	0.204	0.408	-0.408
2	0.499	0.226	0.453	-0.453
3	0.296	0.241	0.482	-0.482
4	0.242	0.246	0.492	-0.492
5	0.050	0.249	0.499	-0.499
6	0.039	0.250	0.499	-0.499
7	-0.047	0.250	0.499	-0.499
8	-0.067	0.250	0.500	-0.500
9	-0.118	0.250	0.500	-0.500
10	-0.191	0.251	0.502	-0.502
11	-0.160	0.253	0.506	-0.506
12	-0.141	0.254	0.508	-0.508
13	-0.071	0.255	0.511	-0.511
14	-0.159	0.256	0.511	-0.511
15	-0.091	0.257	0.514	-0.514

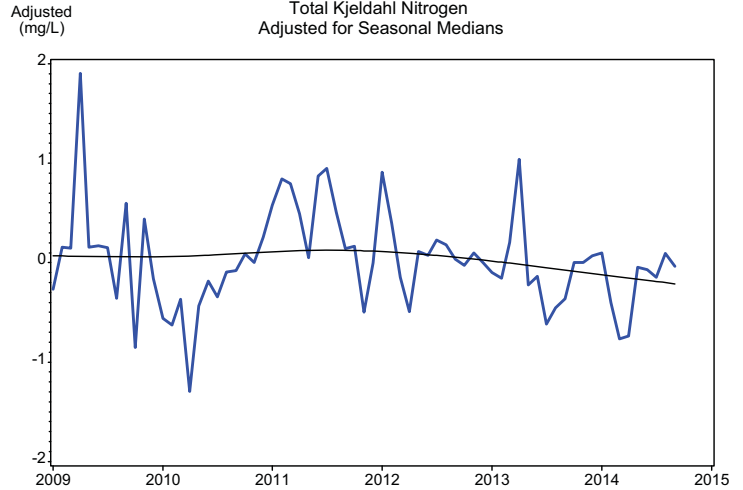
Fakahatchee Strand Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



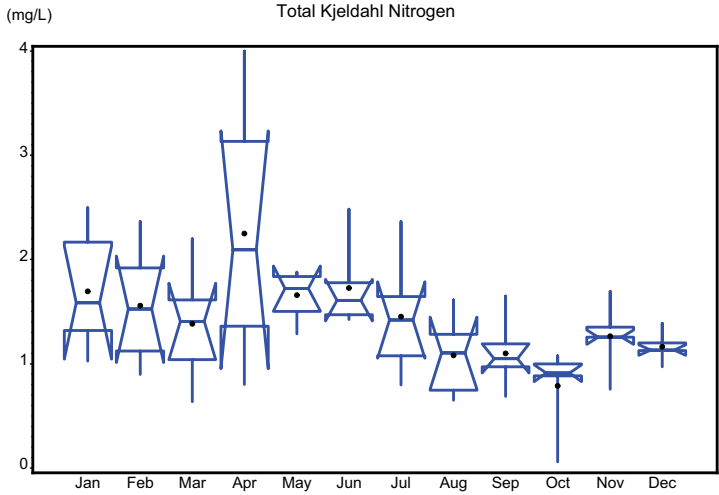
Fakahatchee Strand Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians



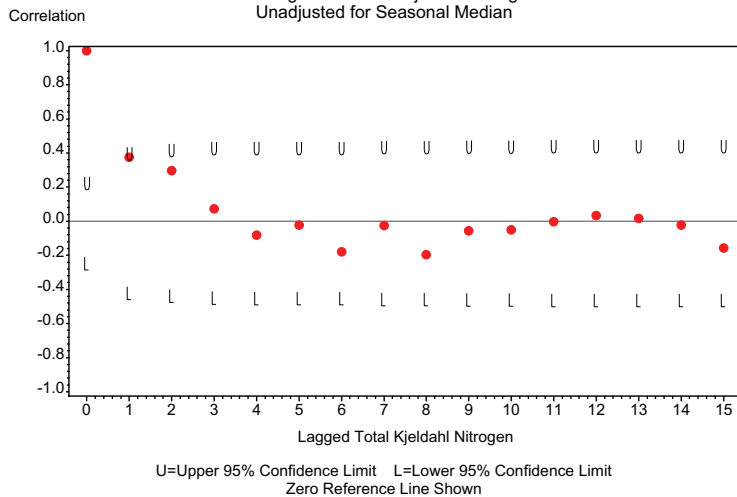
Fakahatchee Strand Trends Appendix
 Seasonal Univariate Statistics
 Total Kjeldahl Nitrogen



Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.376	0.204	0.408	-0.408
2	0.296	0.214	0.427	-0.427
3	0.072	0.219	0.438	-0.438
4	-0.082	0.219	0.439	-0.439
5	-0.023	0.220	0.440	-0.440
6	-0.181	0.220	0.440	-0.440
7	-0.027	0.222	0.444	-0.444
8	-0.196	0.222	0.444	-0.444
9	-0.056	0.224	0.449	-0.449
10	-0.052	0.225	0.449	-0.449
11	-0.004	0.225	0.450	-0.450
12	0.033	0.225	0.450	-0.450
13	0.015	0.225	0.450	-0.450
14	-0.022	0.225	0.450	-0.450
15	-0.156	0.225	0.450	-0.450

Fakahatchee Strand Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Median



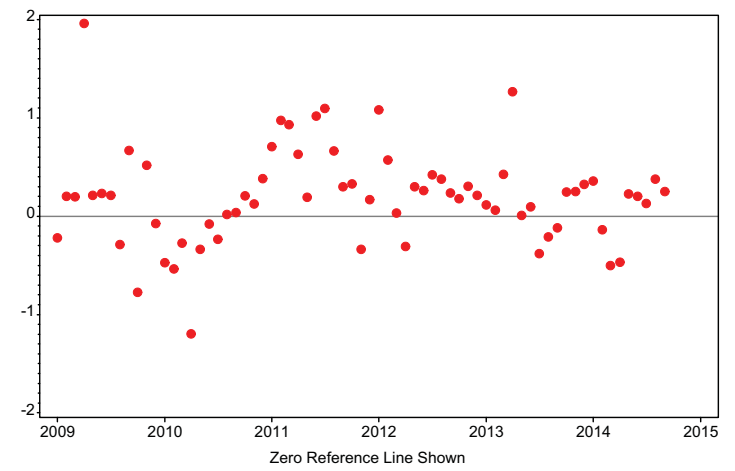
Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.097	0.39	0.646	-0.043

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.096970	0.38962	0.64634	-0.043

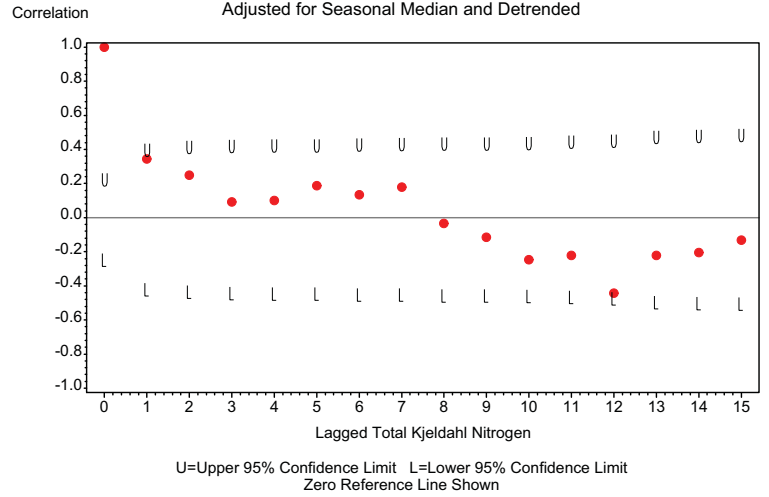
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



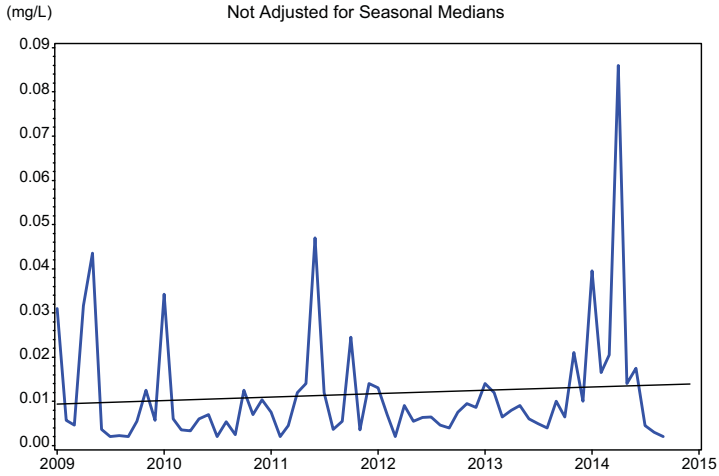
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.345	0.204	0.408	-0.408
2	0.250	0.212	0.424	-0.424
3	0.093	0.216	0.432	-0.432
4	0.101	0.217	0.433	-0.433
5	0.187	0.217	0.435	-0.435
6	0.134	0.220	0.439	-0.439
7	0.180	0.221	0.441	-0.441
8	-0.034	0.223	0.445	-0.445
9	-0.114	0.223	0.446	-0.446
10	-0.246	0.224	0.447	-0.447
11	-0.223	0.227	0.455	-0.455
12	-0.442	0.230	0.461	-0.461
13	-0.221	0.242	0.484	-0.484
14	-0.205	0.245	0.489	-0.489
15	-0.132	0.247	0.494	-0.494

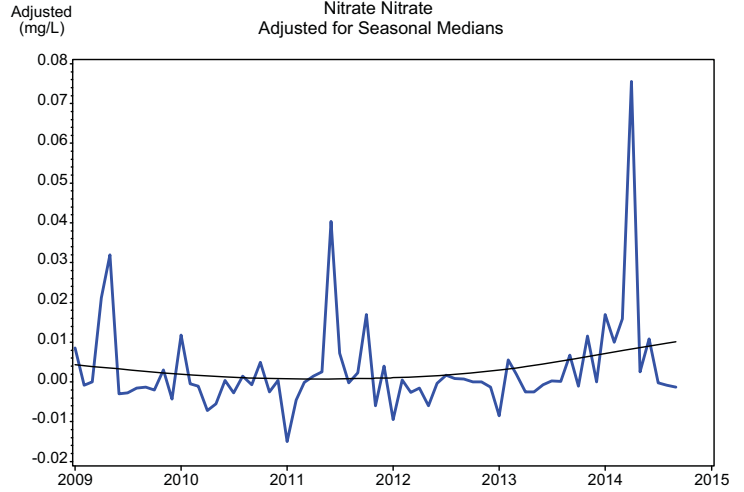
Fakahatchee Strand Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



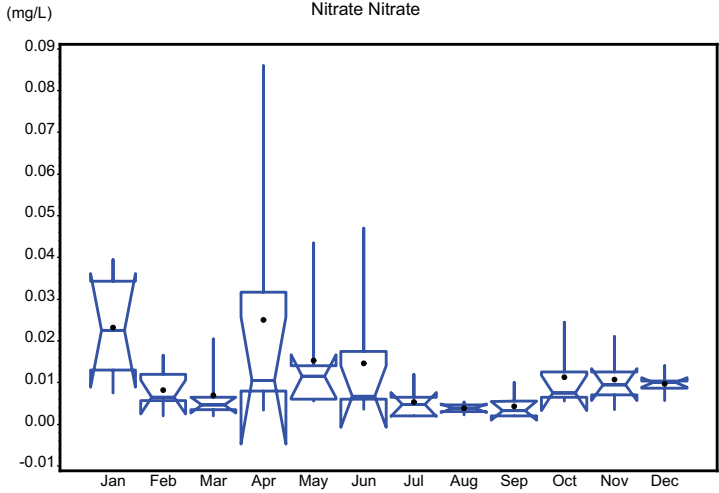
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



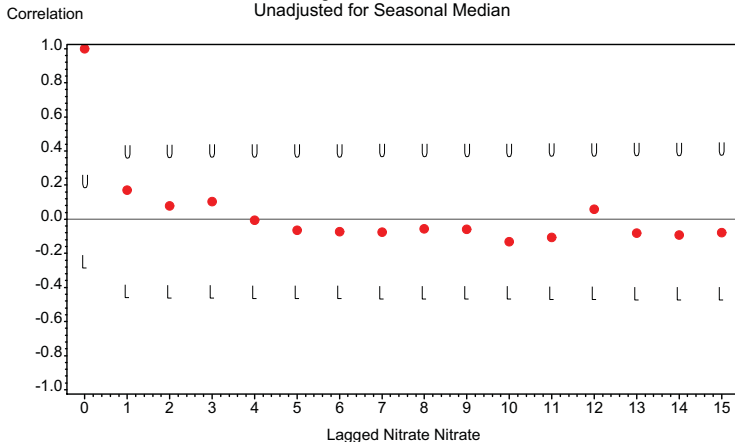
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.170	0.204	0.408	-0.408
2	0.077	0.206	0.412	-0.412
3	0.104	0.206	0.413	-0.413
4	-0.005	0.207	0.414	-0.414
5	-0.066	0.207	0.414	-0.414
6	-0.073	0.207	0.415	-0.415
7	-0.075	0.208	0.416	-0.416
8	-0.057	0.208	0.416	-0.416
9	-0.059	0.208	0.417	-0.417
10	-0.132	0.209	0.417	-0.417
11	-0.107	0.210	0.420	-0.420
12	0.059	0.211	0.421	-0.421
13	-0.081	0.211	0.422	-0.422
14	-0.092	0.211	0.423	-0.423
15	-0.078	0.212	0.424	-0.424

Fakahatchee Strand Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

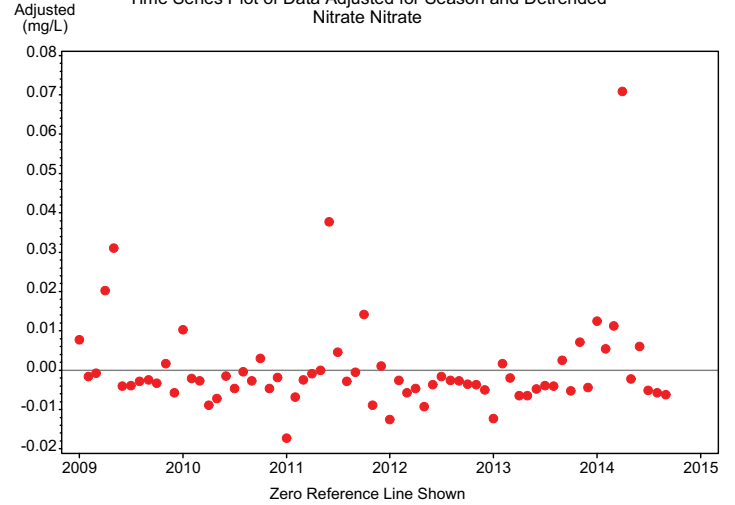
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.206	0.054	0.086	.001

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.2	0.061263	0.099335	.00075

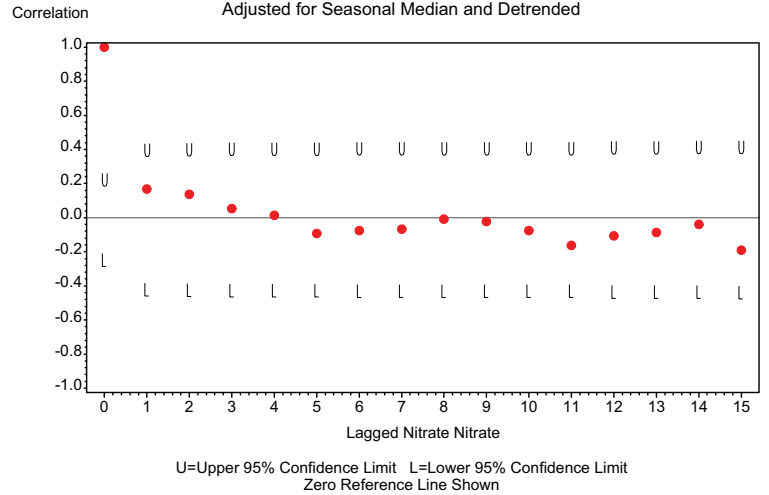
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



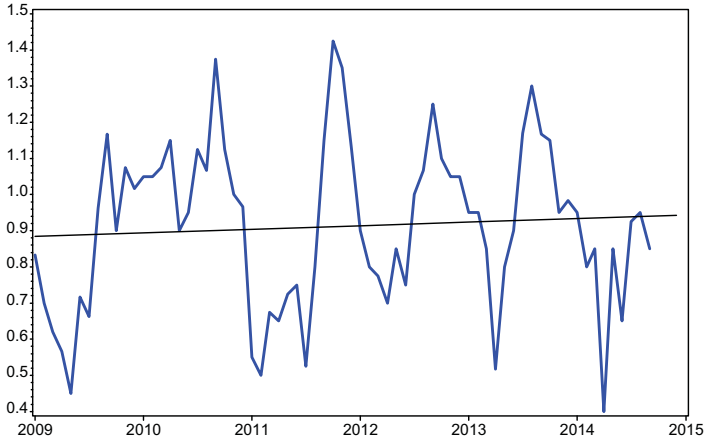
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.168	0.204	0.408	-0.408
2	0.136	0.206	0.412	-0.412
3	0.052	0.207	0.415	-0.415
4	0.013	0.207	0.415	-0.415
5	-0.093	0.207	0.415	-0.415
6	-0.075	0.208	0.416	-0.416
7	-0.067	0.208	0.417	-0.417
8	-0.008	0.209	0.417	-0.417
9	-0.023	0.209	0.417	-0.417
10	-0.075	0.209	0.418	-0.418
11	-0.164	0.209	0.418	-0.418
12	-0.108	0.211	0.422	-0.422
13	-0.086	0.212	0.423	-0.423
14	-0.041	0.212	0.424	-0.424
15	-0.192	0.212	0.425	-0.425

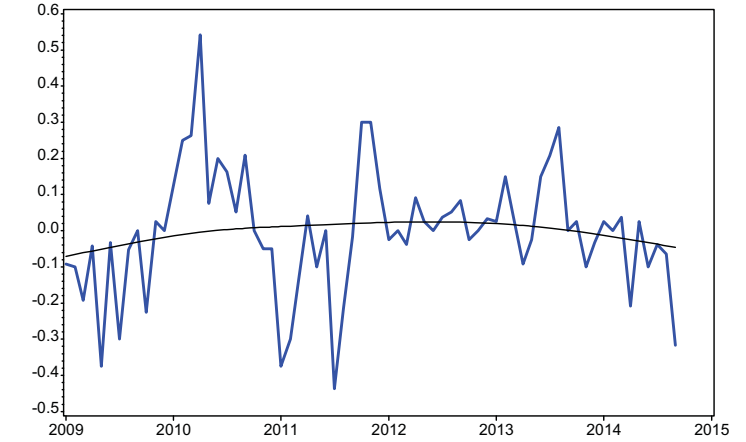
Fakahatchee Strand Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



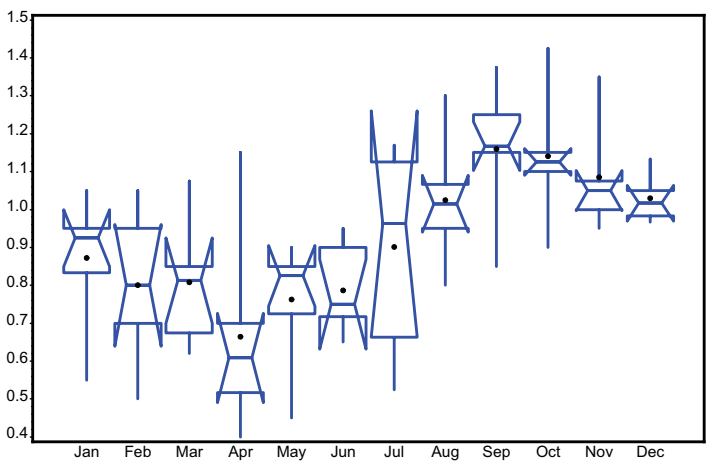
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



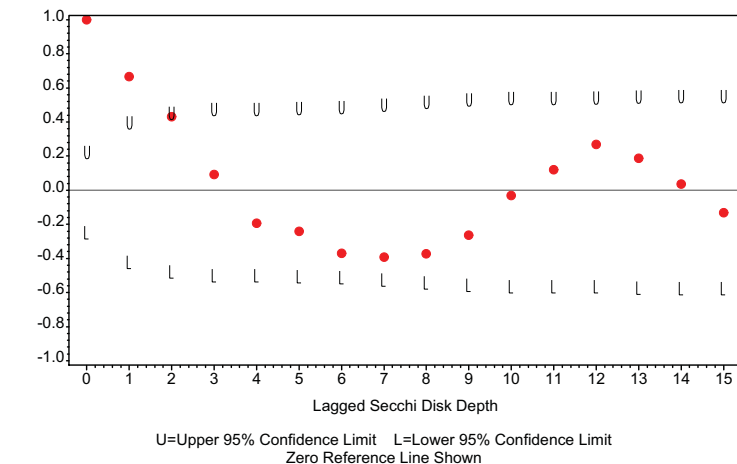
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.665	0.204	0.408	-0.408
2	0.432	0.232	0.464	-0.464
3	0.093	0.243	0.486	-0.486
4	-0.194	0.244	0.487	-0.487
5	-0.240	0.246	0.492	-0.492
6	-0.371	0.249	0.498	-0.498
7	-0.393	0.257	0.513	-0.513
8	-0.374	0.265	0.530	-0.530
9	-0.265	0.272	0.544	-0.544
10	-0.032	0.276	0.551	-0.551
11	0.119	0.276	0.551	-0.551
12	0.267	0.276	0.553	-0.553
13	0.188	0.280	0.560	-0.560
14	0.037	0.282	0.563	-0.563
15	-0.132	0.282	0.563	-0.563

Fakahatchee Strand Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



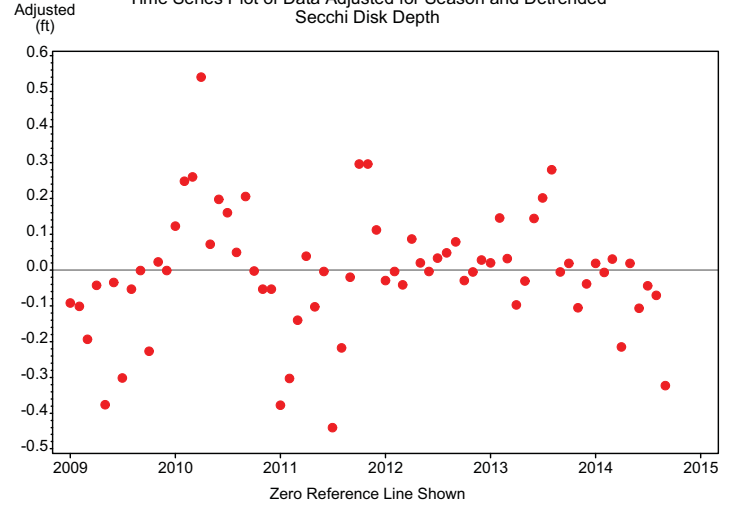
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036	0.772	0.873	0

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042424	0.72860	0.84669	.000999998

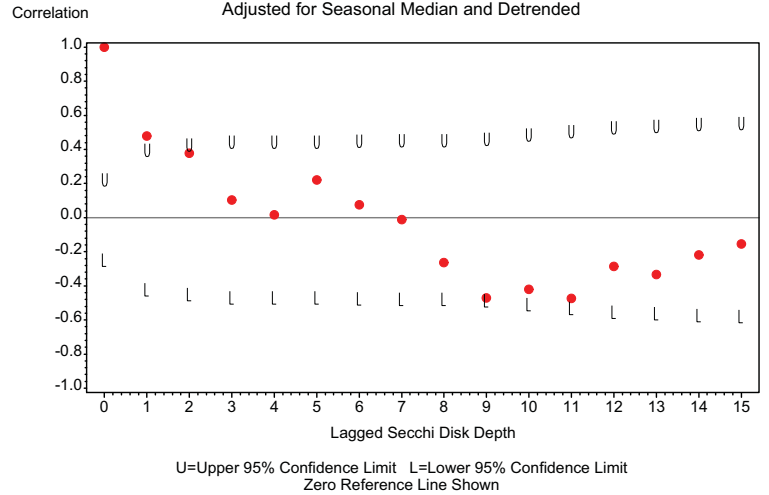
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



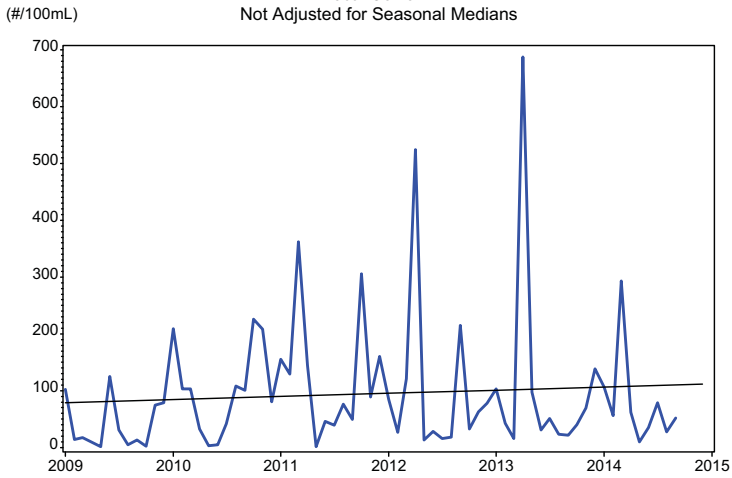
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.478	0.204	0.408	-0.408
2	0.377	0.219	0.438	-0.438
3	0.103	0.228	0.456	-0.456
4	0.015	0.229	0.457	-0.457
5	0.220	0.229	0.457	-0.457
6	0.075	0.232	0.463	-0.463
7	-0.013	0.232	0.464	-0.464
8	-0.264	0.232	0.464	-0.464
9	-0.470	0.236	0.472	-0.472
10	-0.421	0.249	0.497	-0.497
11	-0.475	0.258	0.517	-0.517
12	-0.285	0.270	0.541	-0.541
13	-0.334	0.274	0.549	-0.549
14	-0.220	0.280	0.560	-0.560
15	-0.155	0.282	0.565	-0.565

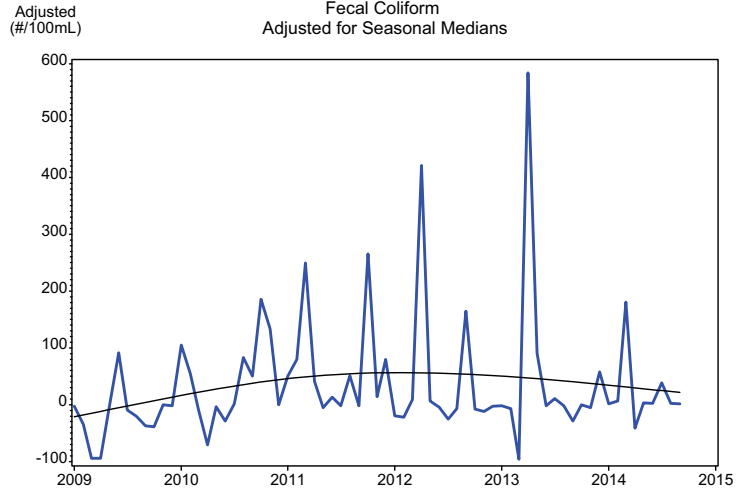
Fakahatchee Strand Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



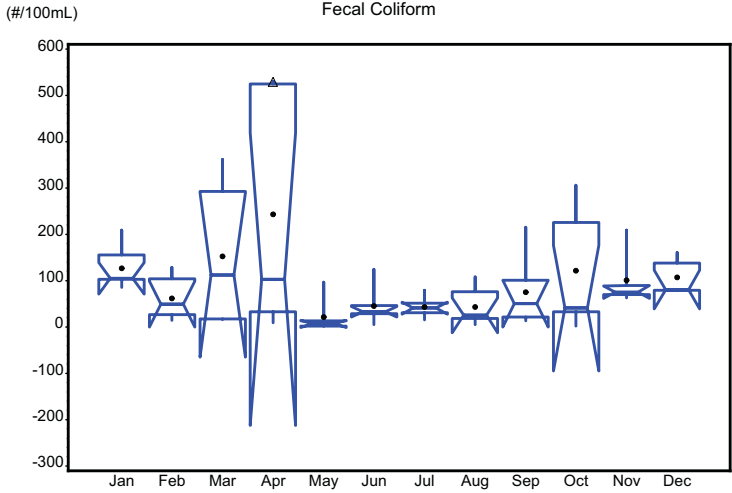
Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Fakahatchee Strand Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



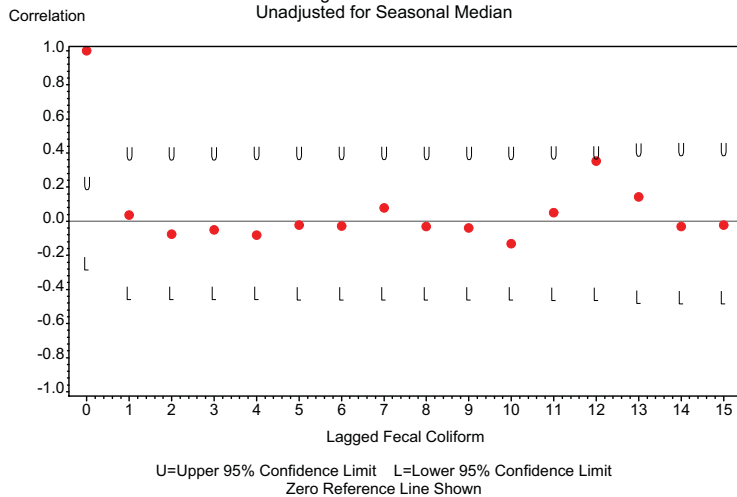
Fakahatchee Strand Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Fakahatchee Strand Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.037	0.204	0.408	-0.408
2	-0.077	0.204	0.408	-0.408
3	-0.051	0.205	0.409	-0.409
4	-0.082	0.205	0.410	-0.410
5	-0.024	0.205	0.411	-0.411
6	-0.028	0.205	0.411	-0.411
7	0.078	0.205	0.411	-0.411
8	-0.030	0.206	0.412	-0.412
9	-0.040	0.206	0.412	-0.412
10	-0.132	0.206	0.412	-0.412
11	0.050	0.207	0.414	-0.414
12	0.353	0.207	0.415	-0.415
13	0.143	0.215	0.431	-0.431
14	-0.032	0.217	0.434	-0.434
15	-0.024	0.217	0.434	-0.434

Fakahatchee Strand Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



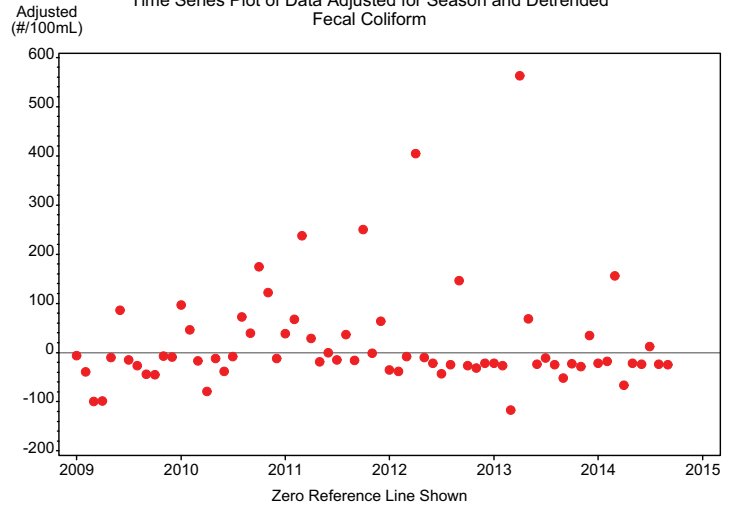
Fakahatchee Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.194	0.075	0.312	4

Fakahatchee Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.19394	0.075409	0.31179	4

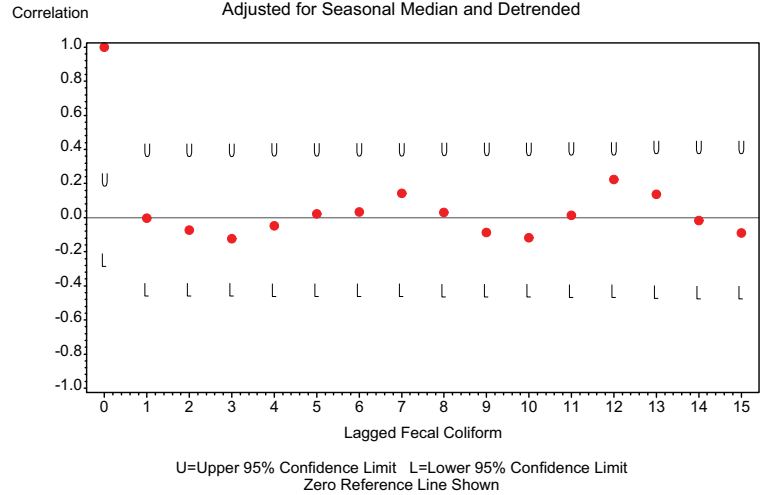
Fakahatchee Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



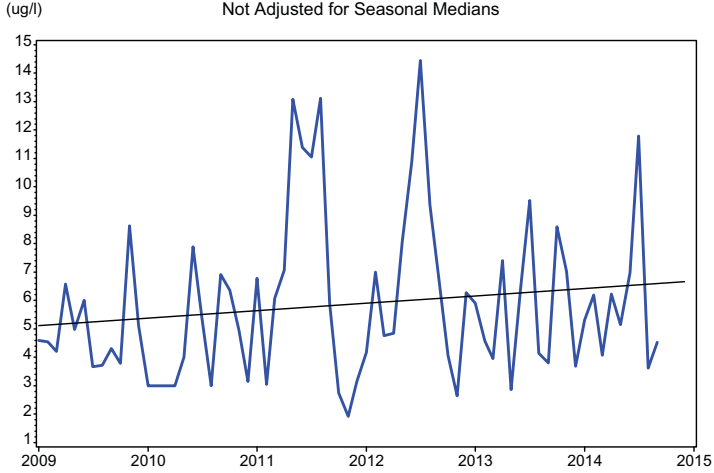
Fakahatchee Strand Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.002	0.204	0.408	-0.408
2	-0.072	0.204	0.408	-0.408
3	-0.124	0.204	0.409	-0.409
4	-0.049	0.206	0.411	-0.411
5	0.022	0.206	0.411	-0.411
6	0.033	0.206	0.411	-0.411
7	0.143	0.206	0.412	-0.412
8	0.030	0.207	0.414	-0.414
9	-0.088	0.207	0.414	-0.414
10	-0.118	0.208	0.415	-0.415
11	0.013	0.209	0.417	-0.417
12	0.223	0.209	0.417	-0.417
13	-0.137	0.212	0.424	-0.424
14	-0.016	0.213	0.426	-0.426
15	-0.091	0.213	0.426	-0.426

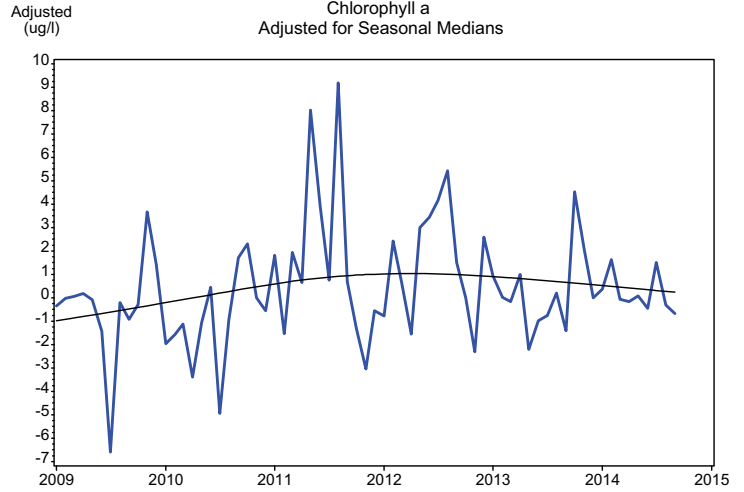
Fakahatchee Strand Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



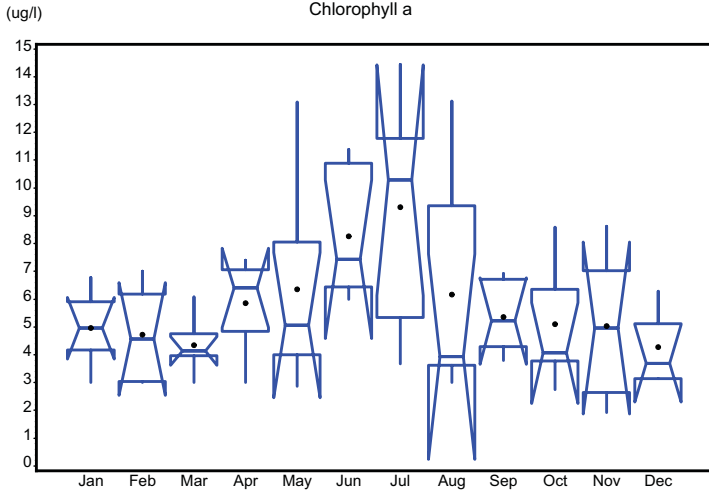
Golden Gate Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



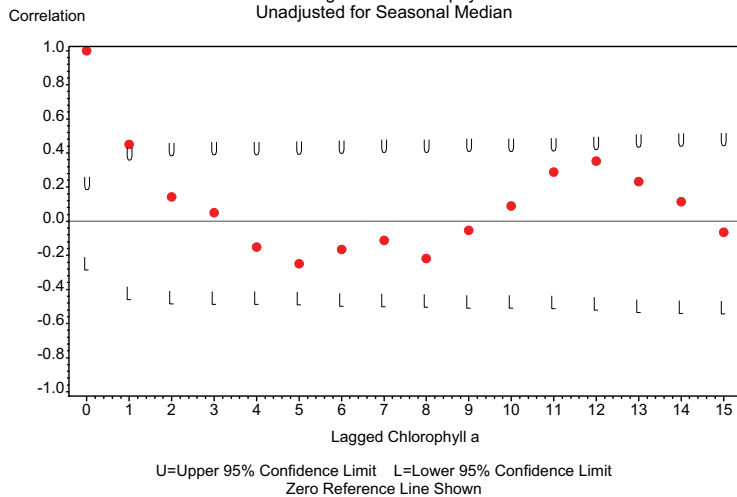
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Golden Gate Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.451	0.204	0.408	-0.408
2	0.142	0.218	0.435	-0.435
3	0.049	0.219	0.438	-0.438
4	-0.151	0.219	0.438	-0.438
5	-0.250	0.220	0.441	-0.441
6	-0.167	0.224	0.449	-0.449
7	-0.113	0.226	0.452	-0.452
8	-0.220	0.227	0.454	-0.454
9	-0.055	0.230	0.459	-0.459
10	0.089	0.230	0.460	-0.460
11	0.288	0.230	0.461	-0.461
12	0.352	0.235	0.471	-0.471
13	0.233	0.243	0.485	-0.485
14	0.114	0.246	0.491	-0.491
15	-0.065	0.246	0.493	-0.493

Golden Gate Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



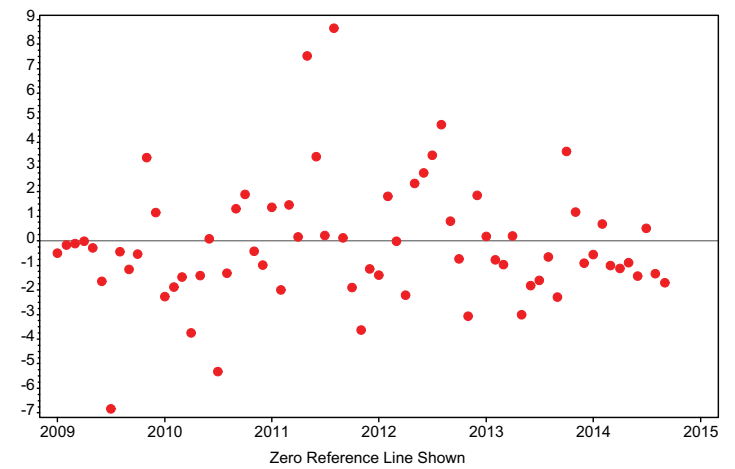
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.121	0.276	0.435	0.154

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12121	0.27583	0.43512	0.15375

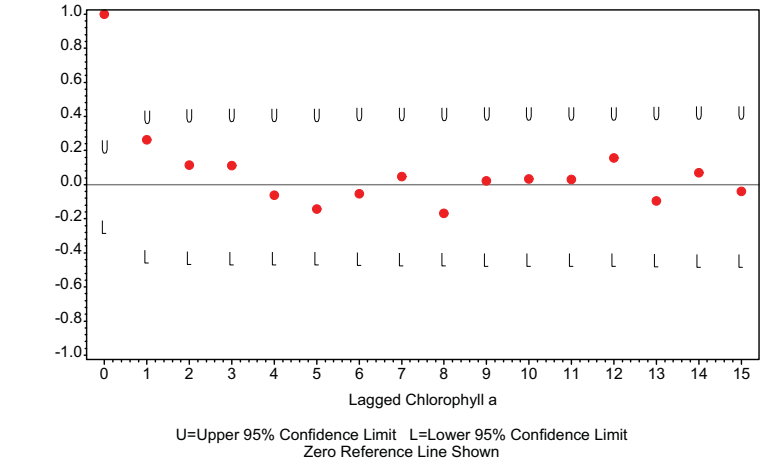
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



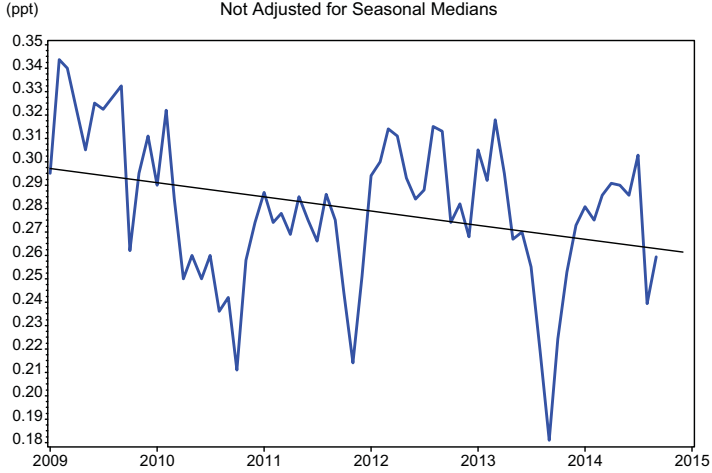
Golden Gate Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.264	0.204	0.408	-0.408
2	0.114	0.209	0.418	-0.418
3	0.112	0.210	0.419	-0.419
4	-0.061	0.210	0.421	-0.421
5	-0.143	0.211	0.421	-0.421
6	-0.054	0.212	0.424	-0.424
7	0.046	0.212	0.425	-0.425
8	-0.168	0.212	0.425	-0.425
9	0.022	0.214	0.429	-0.429
10	0.032	0.214	0.429	-0.429
11	0.029	0.214	0.429	-0.429
12	0.155	0.214	0.429	-0.429
13	-0.095	0.216	0.432	-0.432
14	0.070	0.217	0.433	-0.433
15	-0.039	0.217	0.434	-0.434

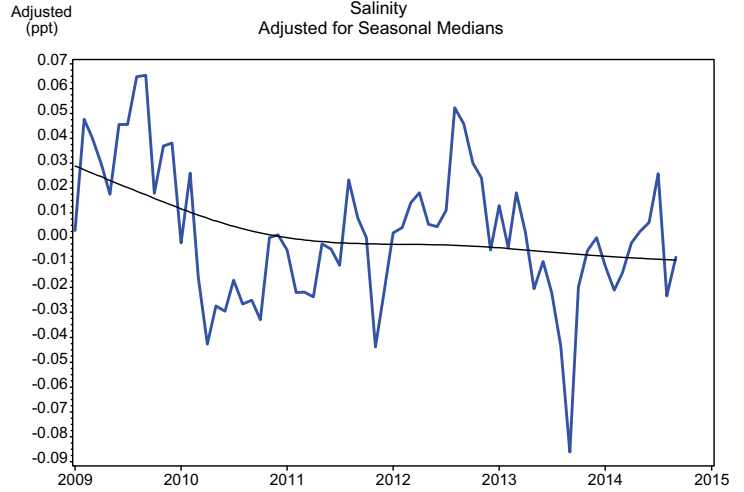
Golden Gate Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



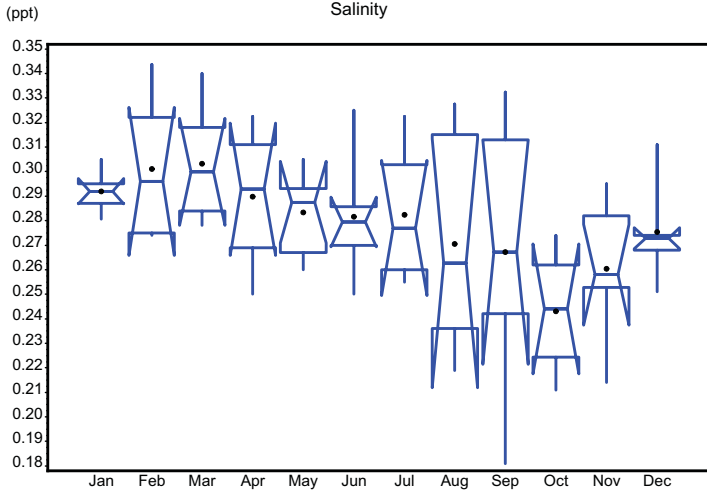
Golden Gate Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



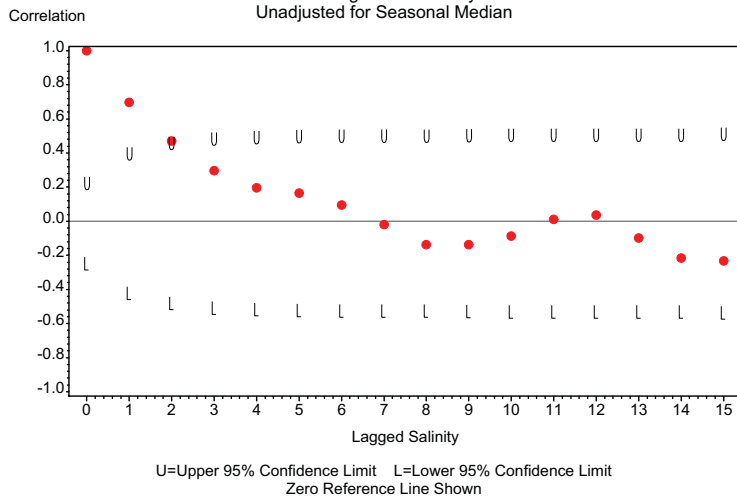
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Salinity



Golden Gate Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.696	0.204	0.408	-0.408
2	0.470	0.235	0.469	-0.469
3	0.297	0.247	0.495	-0.495
4	0.195	0.252	0.505	-0.505
5	0.165	0.254	0.509	-0.509
6	0.096	0.256	0.512	-0.512
7	-0.021	0.256	0.513	-0.513
8	-0.138	0.256	0.513	-0.513
9	-0.138	0.257	0.515	-0.515
10	-0.088	0.258	0.517	-0.517
11	0.011	0.259	0.518	-0.518
12	0.037	0.259	0.518	-0.518
13	-0.098	0.259	0.518	-0.518
14	-0.217	0.260	0.519	-0.519
15	-0.233	0.262	0.524	-0.524

Golden Gate Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median

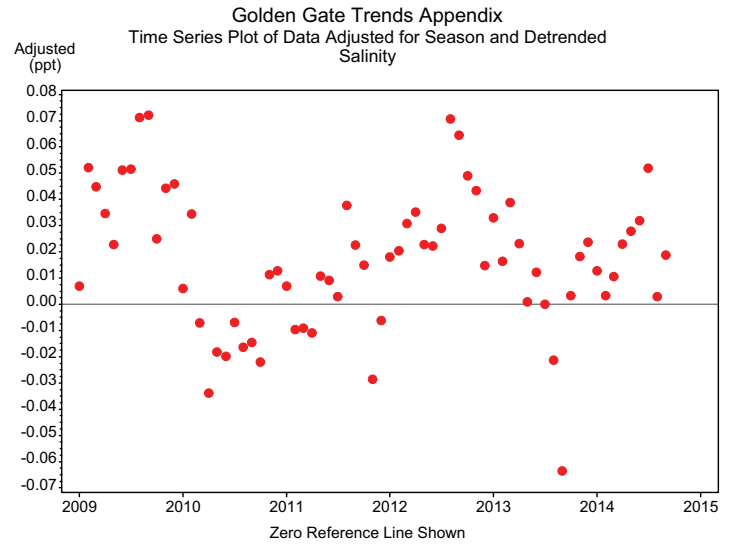


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.067	0.467	-0.004

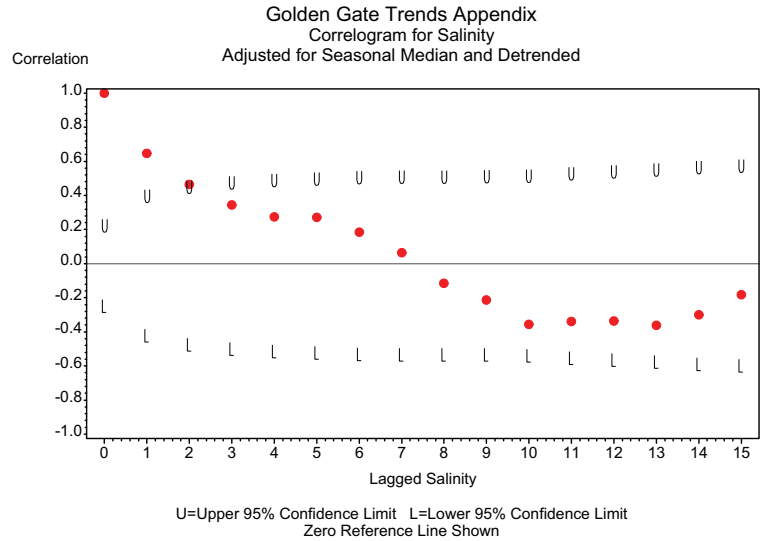
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.066905	0.46656	-0.04

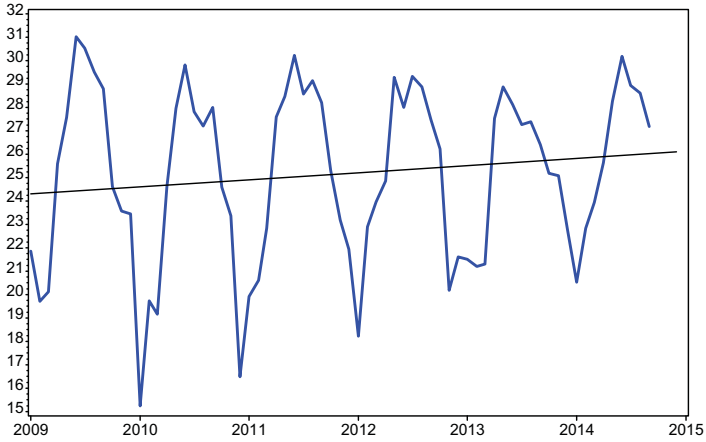


Golden Gate Trends Appendix
Autocorrelation Statistics for Salinity
Adjusted for Seasonal Median and Detrended

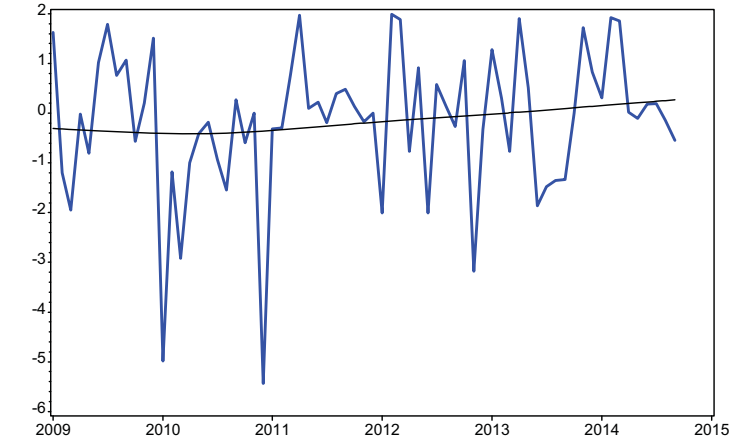
Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.646	0.204	0.408	-0.408
2	0.464	0.231	0.462	-0.462
3	0.345	0.243	0.487	-0.487
4	0.274	0.250	0.500	-0.500
5	0.271	0.254	0.509	-0.509
6	0.184	0.258	0.517	-0.517
7	0.063	0.260	0.520	-0.520
8	-0.114	0.260	0.521	-0.521
9	-0.213	0.261	0.522	-0.522
10	-0.356	0.263	0.527	-0.527
11	-0.338	0.270	0.540	-0.540
12	-0.337	0.276	0.552	-0.552
13	-0.363	0.281	0.563	-0.563
14	-0.299	0.288	0.576	-0.576
15	-0.182	0.292	0.584	-0.584



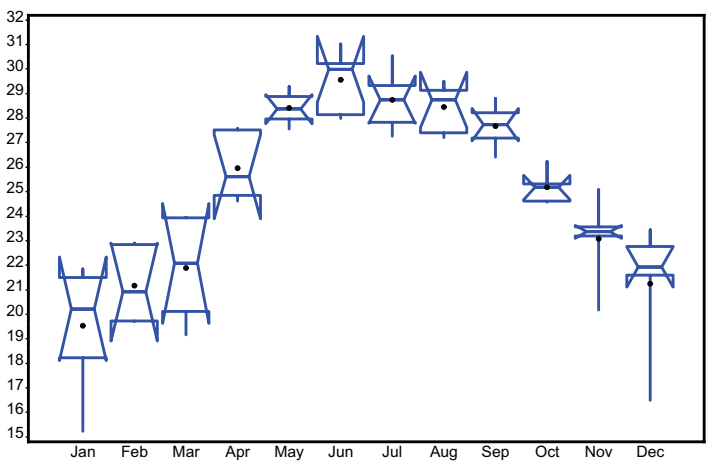
Golden Gate Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



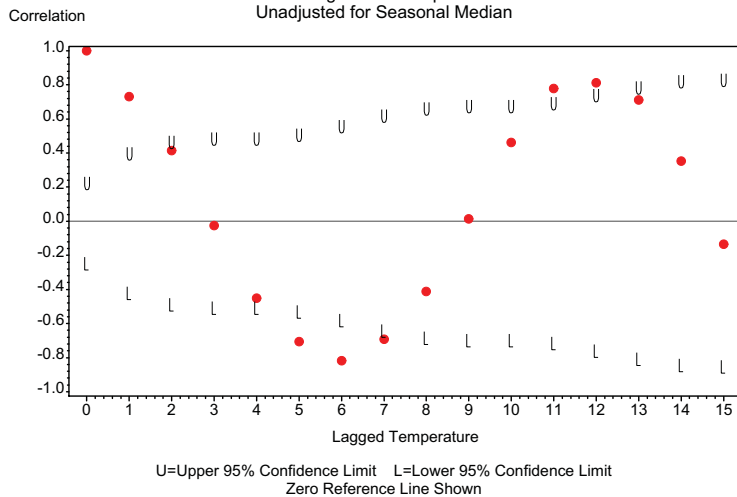
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Temperature



Golden Gate Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.729	0.204	0.408	-0.408
2	0.414	0.238	0.475	-0.475
3	-0.027	0.247	0.495	-0.495
4	-0.452	0.247	0.495	-0.495
5	-0.707	0.259	0.517	-0.517
6	-0.819	0.284	0.568	-0.568
7	-0.693	0.315	0.631	-0.631
8	-0.411	0.336	0.672	-0.672
9	0.013	0.343	0.685	-0.685
10	0.462	0.343	0.685	-0.685
11	0.779	0.351	0.702	-0.702
12	0.811	0.374	0.749	-0.749
13	0.710	0.398	0.796	-0.796
14	0.353	0.415	0.831	-0.831
15	-0.134	0.419	0.839	-0.839

Golden Gate Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median

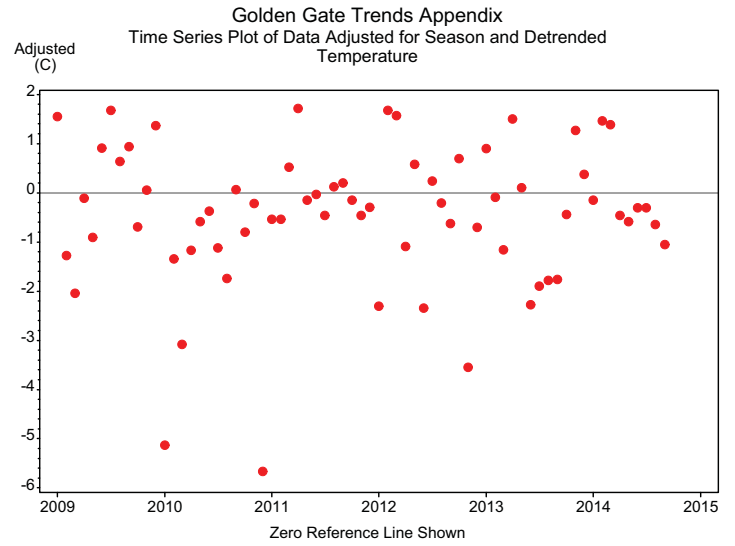


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042	0.731	0.823	0.077

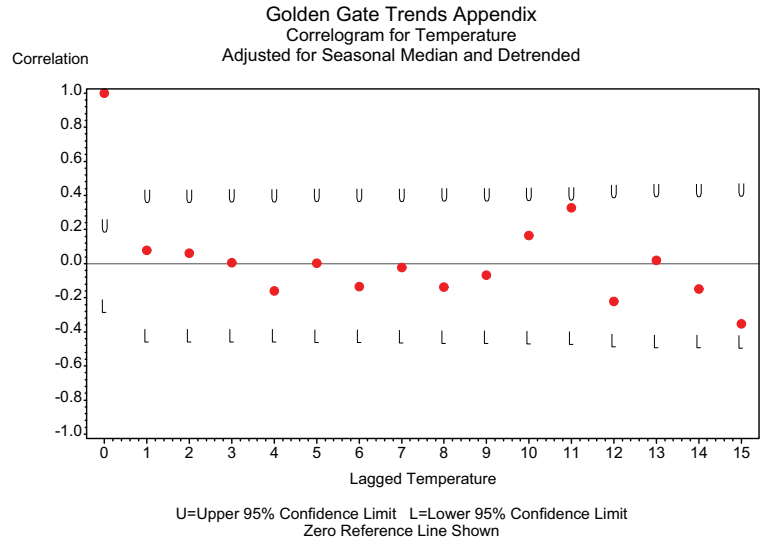
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042424	0.73118	0.8227	0.0765

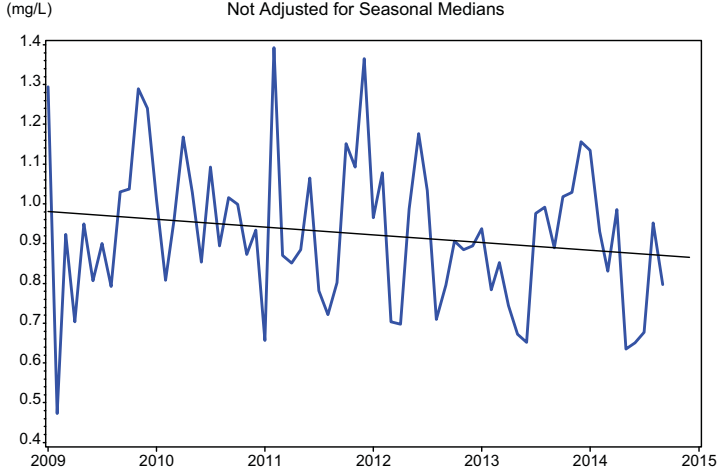


Golden Gate Trends Appendix
Autocorrelation Statistics for Temperature
Adjusted for Seasonal Median and Detrended

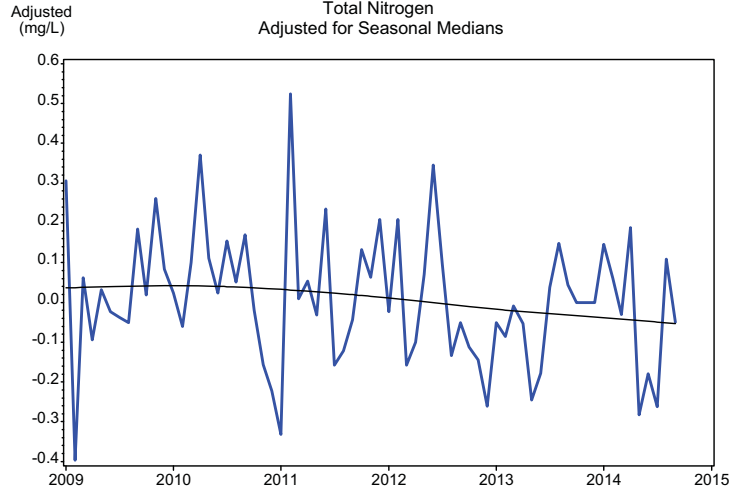
Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.077	0.204	0.408	-0.408
2	0.061	0.205	0.409	-0.409
3	0.006	0.205	0.410	-0.410
4	-0.160	0.205	0.410	-0.410
5	0.002	0.207	0.413	-0.413
6	-0.134	0.207	0.413	-0.413
7	-0.022	0.208	0.415	-0.415
8	-0.138	0.208	0.416	-0.416
9	-0.067	0.209	0.418	-0.418
10	0.166	0.209	0.419	-0.419
11	0.326	0.211	0.422	-0.422
12	-0.221	0.218	0.436	-0.436
13	0.019	0.221	0.442	-0.442
14	-0.150	0.221	0.442	-0.442
15	-0.354	0.223	0.445	-0.445



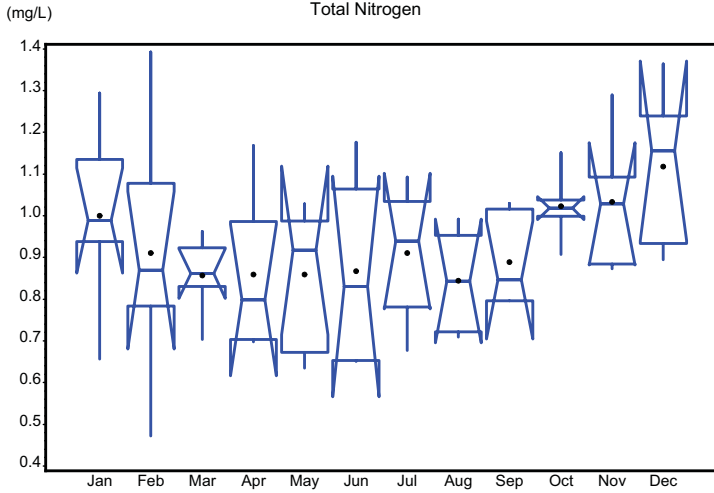
Golden Gate Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



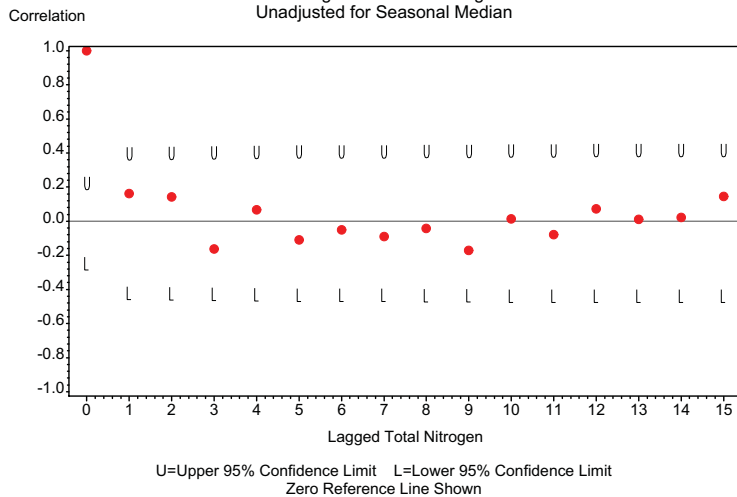
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Golden Gate Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.163	0.204	0.408	-0.408
2	0.142	0.206	0.412	-0.412
3	-0.162	0.207	0.415	-0.415
4	0.067	0.209	0.418	-0.418
5	-0.111	0.209	0.419	-0.419
6	-0.051	0.210	0.420	-0.420
7	-0.089	0.210	0.421	-0.421
8	-0.043	0.211	0.422	-0.422
9	-0.171	0.211	0.422	-0.422
10	0.013	0.213	0.426	-0.426
11	-0.079	0.213	0.426	-0.426
12	0.073	0.213	0.427	-0.427
13	0.010	0.214	0.427	-0.427
14	0.023	0.214	0.427	-0.427
15	0.144	0.214	0.427	-0.427

Golden Gate Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median

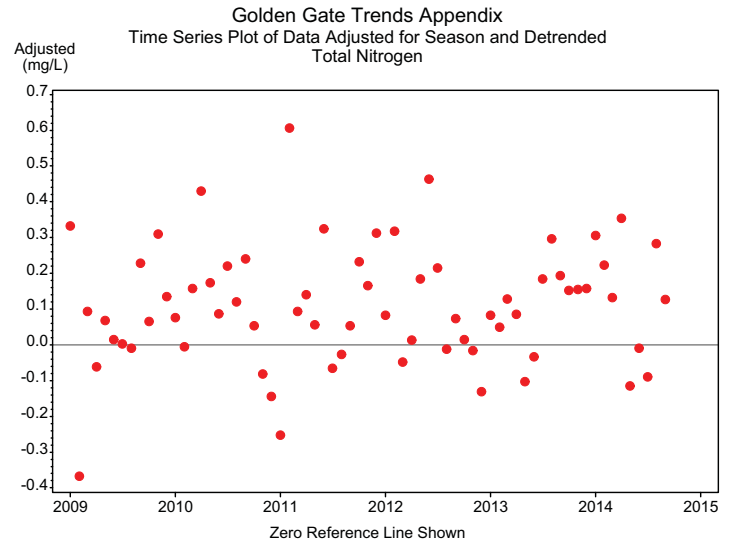


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.224	0.039	0.059	-0.026

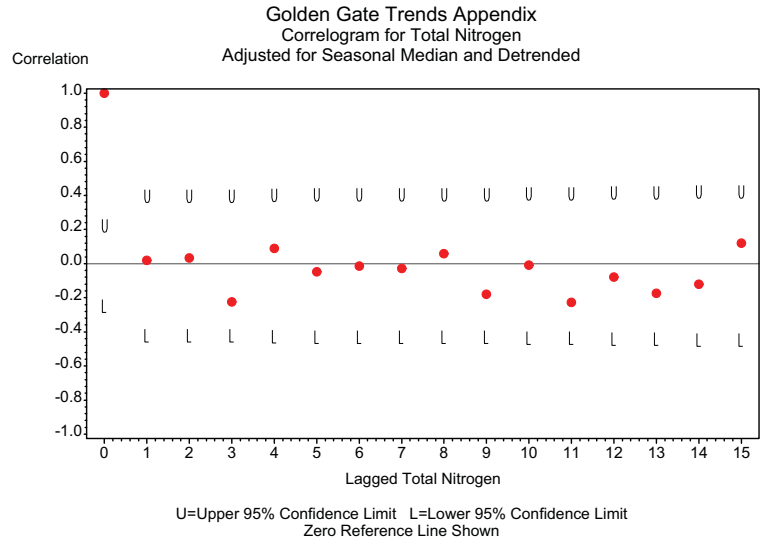
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23030	0.033830	0.050738	-0.0265

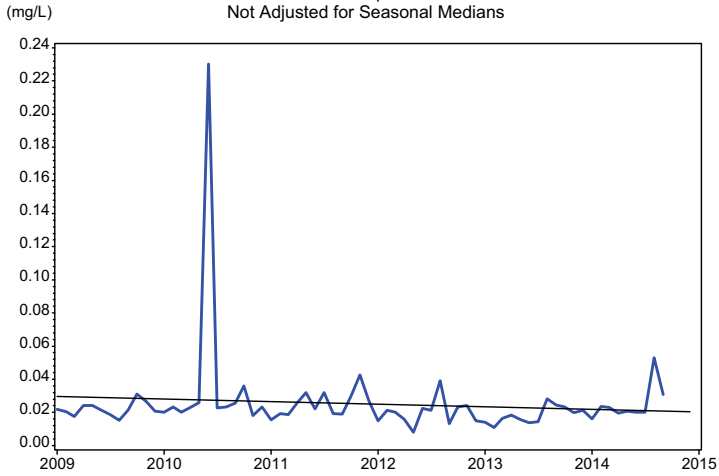


Golden Gate Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Adjusted for Seasonal Median and Detrended

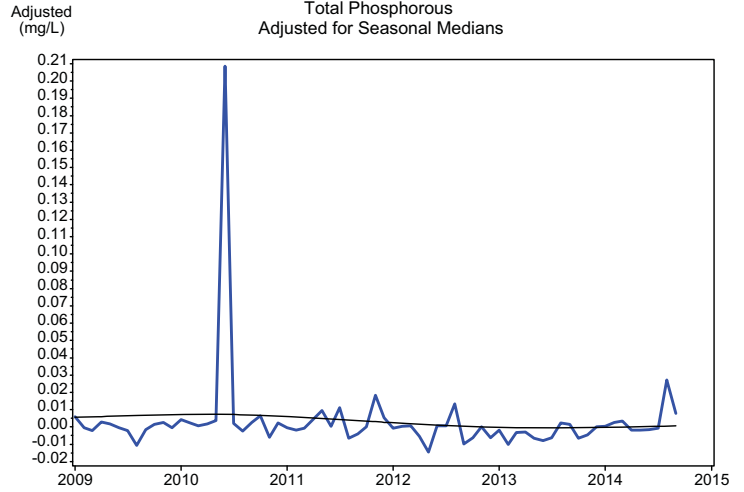
Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.018	0.204	0.408	-0.408
2	0.033	0.204	0.408	-0.408
3	-0.225	0.204	0.408	-0.408
4	0.088	0.208	0.415	-0.415
5	-0.047	0.208	0.416	-0.416
6	-0.015	0.208	0.417	-0.417
7	-0.029	0.208	0.417	-0.417
8	0.059	0.208	0.417	-0.417
9	-0.180	0.209	0.417	-0.417
10	-0.010	0.211	0.422	-0.422
11	-0.228	0.211	0.422	-0.422
12	-0.078	0.214	0.428	-0.428
13	-0.174	0.215	0.429	-0.429
14	-0.122	0.217	0.433	-0.433
15	0.120	0.217	0.435	-0.435



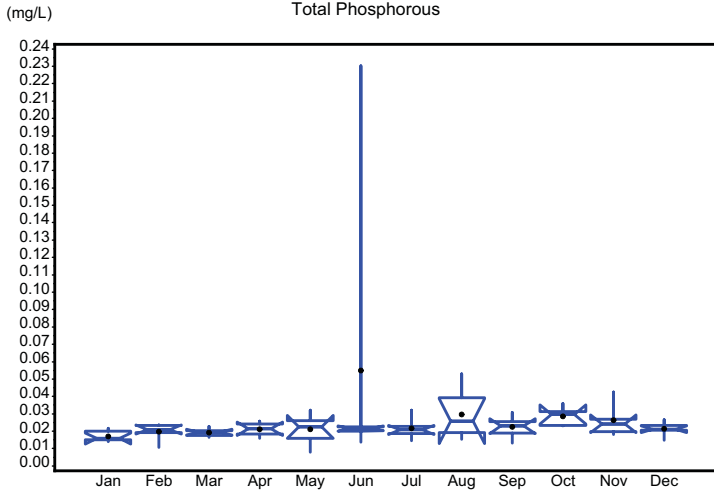
Golden Gate Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



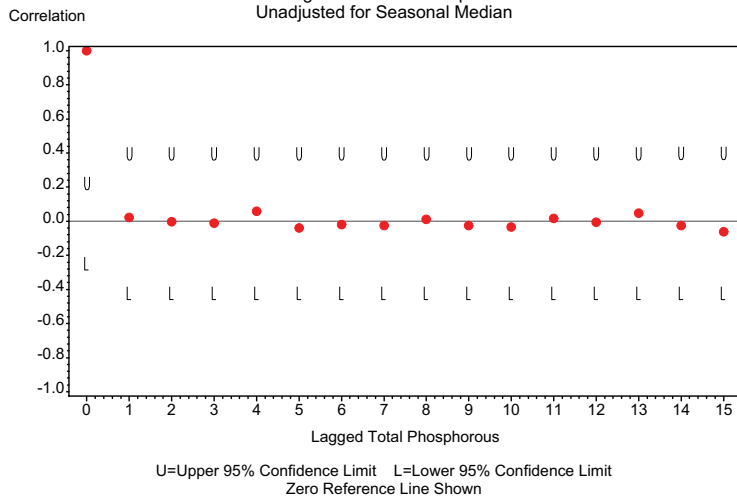
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Golden Gate Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.022	0.204	0.408	-0.408
2	-0.003	0.204	0.408	-0.408
3	-0.013	0.204	0.408	-0.408
4	0.057	0.204	0.408	-0.408
5	-0.040	0.204	0.409	-0.409
6	-0.019	0.204	0.409	-0.409
7	-0.025	0.205	0.409	-0.409
8	0.012	0.205	0.409	-0.409
9	-0.027	0.205	0.409	-0.409
10	-0.033	0.205	0.409	-0.409
11	0.016	0.205	0.409	-0.409
12	-0.006	0.205	0.409	-0.409
13	0.047	0.205	0.409	-0.409
14	-0.026	0.205	0.410	-0.410
15	-0.062	0.205	0.410	-0.410

Golden Gate Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



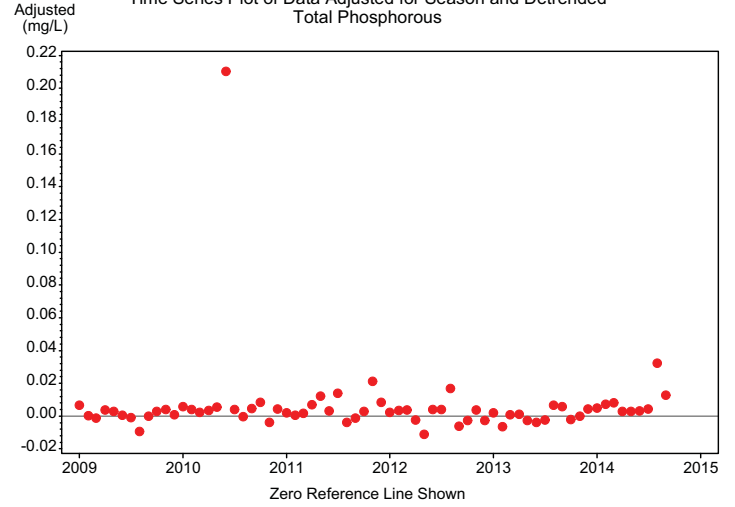
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.103	0.355	0.605	-0.001

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10909	0.32635	0.57502	-0.00075

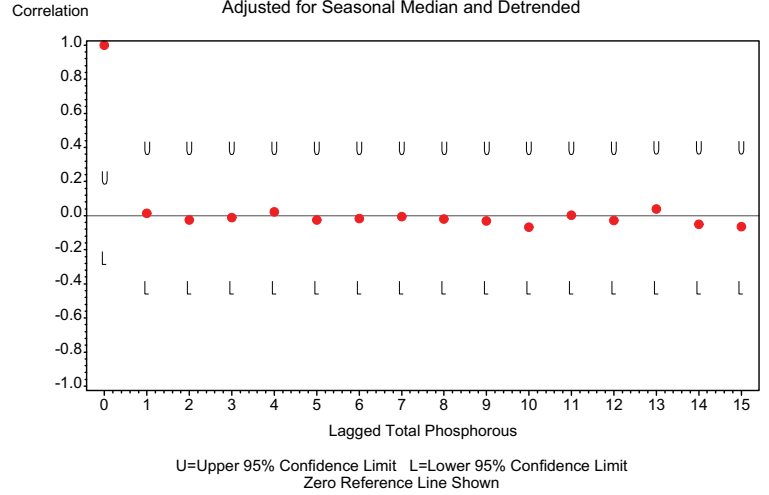
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



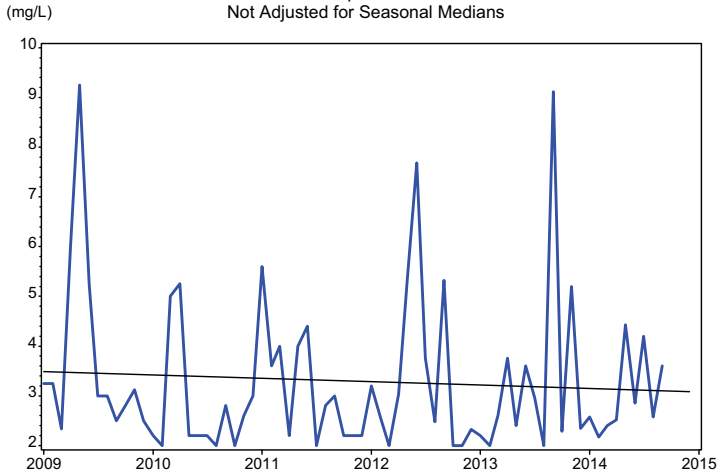
Golden Gate Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.014	0.204	0.408	-0.408
2	-0.027	0.204	0.408	-0.408
3	-0.013	0.204	0.408	-0.408
4	0.022	0.204	0.408	-0.408
5	-0.025	0.204	0.408	-0.408
6	-0.016	0.204	0.409	-0.409
7	-0.006	0.204	0.409	-0.409
8	-0.021	0.204	0.409	-0.409
9	-0.030	0.204	0.409	-0.409
10	-0.068	0.204	0.409	-0.409
11	0.002	0.205	0.409	-0.409
12	-0.029	0.205	0.409	-0.409
13	0.038	0.205	0.410	-0.410
14	-0.050	0.205	0.410	-0.410
15	-0.065	0.205	0.410	-0.410

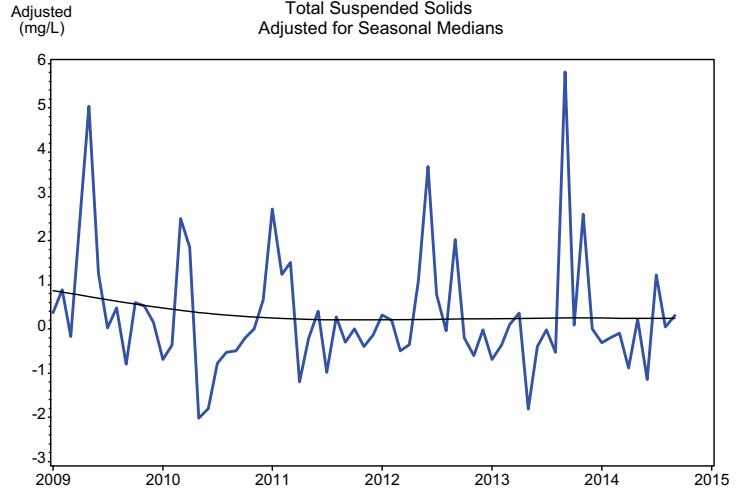
Golden Gate Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



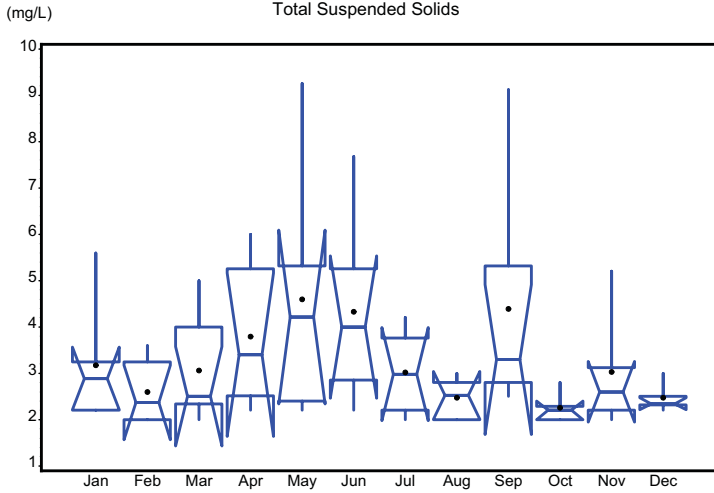
Golden Gate Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



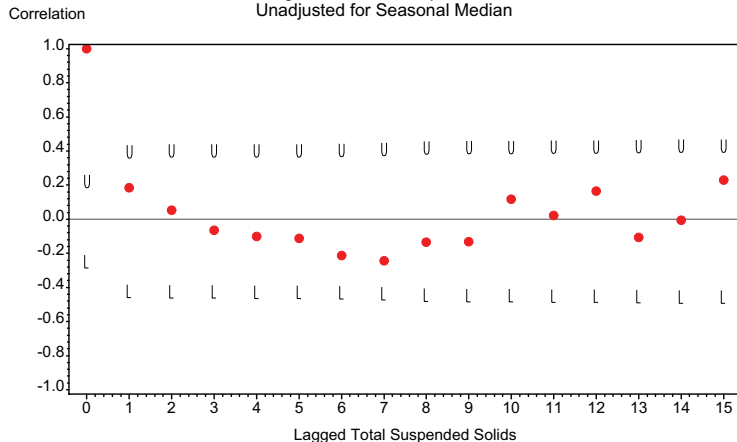
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Golden Gate Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.184	0.204	0.408	-0.408
2	0.053	0.206	0.413	-0.413
3	-0.065	0.207	0.413	-0.413
4	-0.102	0.207	0.414	-0.414
5	-0.112	0.208	0.415	-0.415
6	-0.213	0.208	0.417	-0.417
7	-0.243	0.211	0.423	-0.423
8	-0.135	0.215	0.431	-0.431
9	-0.133	0.216	0.433	-0.433
10	0.118	0.218	0.435	-0.435
11	0.021	0.218	0.437	-0.437
12	0.164	0.218	0.437	-0.437
13	-0.108	0.220	0.440	-0.440
14	-0.006	0.221	0.442	-0.442
15	0.229	0.221	0.442	-0.442

Golden Gate Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

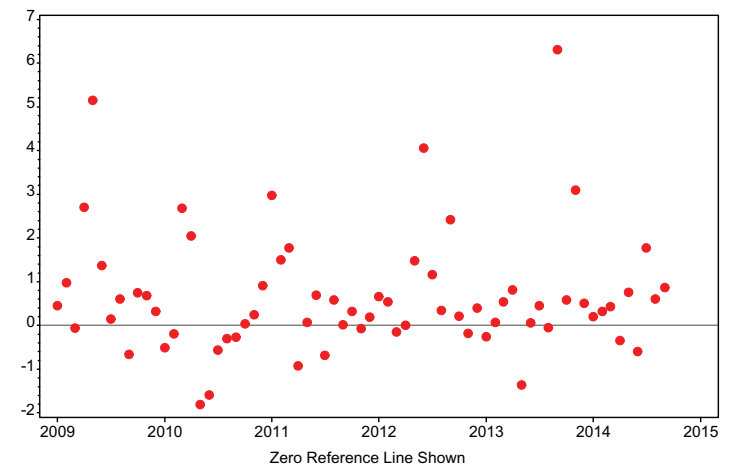
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.091	0.42	0.483	-0.086

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.090909	0.41970	0.48301	-0.0856

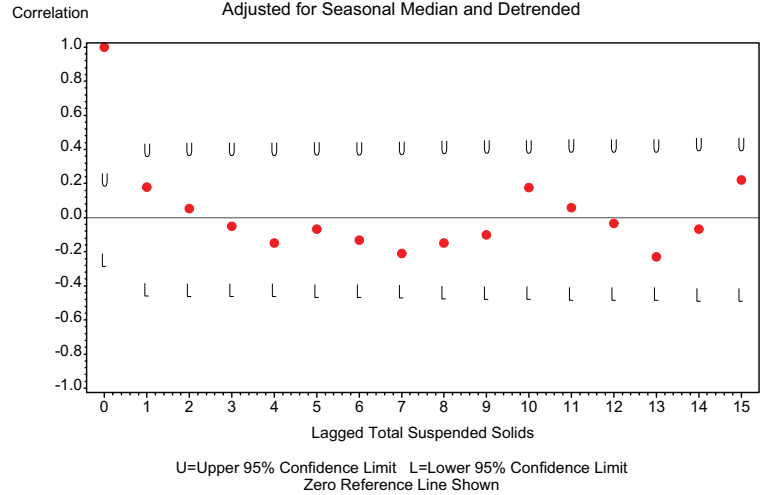
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



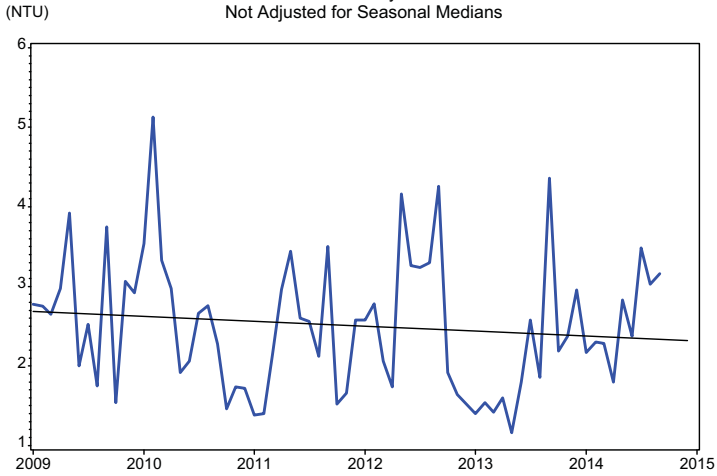
Golden Gate Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.180	0.204	0.408	-0.408
2	0.054	0.206	0.413	-0.413
3	-0.050	0.207	0.413	-0.413
4	-0.150	0.207	0.413	-0.413
5	-0.069	0.208	0.416	-0.416
6	-0.132	0.209	0.417	-0.417
7	-0.210	0.210	0.419	-0.419
8	-0.148	0.213	0.425	-0.425
9	-0.100	0.214	0.428	-0.428
10	0.175	0.215	0.429	-0.429
11	0.058	0.217	0.433	-0.433
12	-0.033	0.217	0.434	-0.434
13	-0.231	0.217	0.434	-0.434
14	-0.069	0.220	0.441	-0.441
15	0.221	0.221	0.441	-0.441

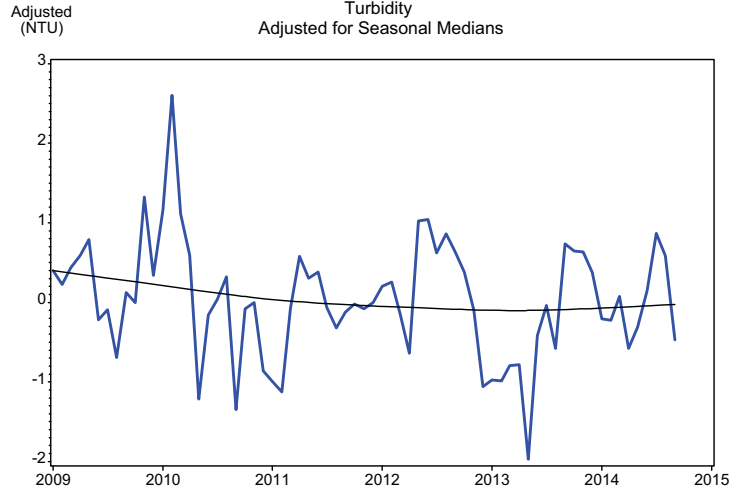
Golden Gate Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



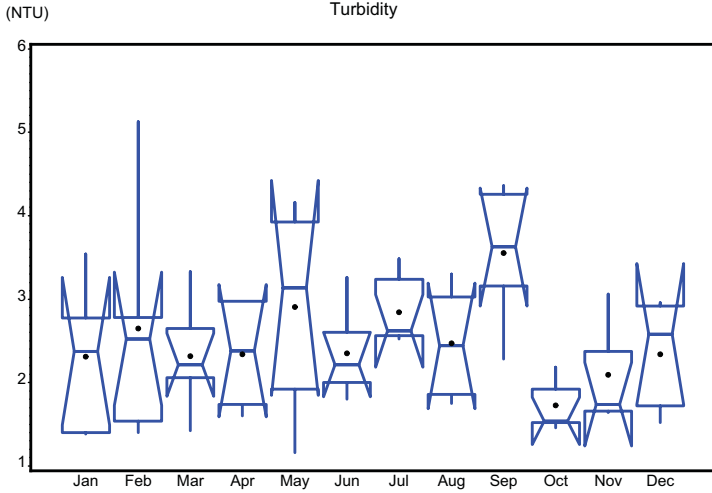
Golden Gate Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



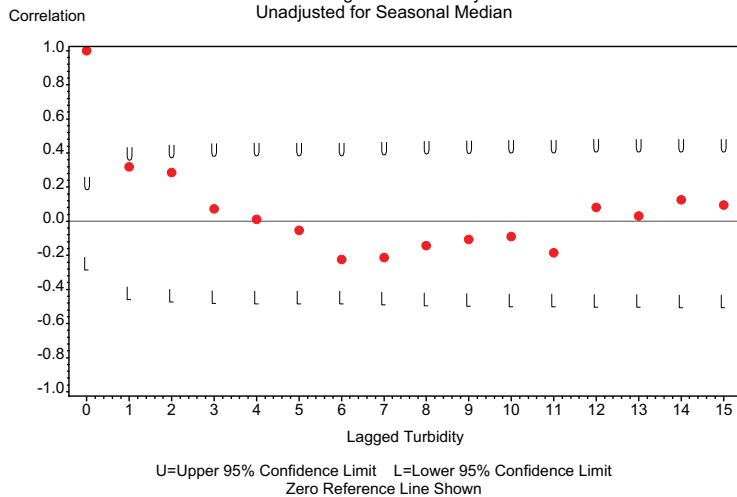
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Turbidity



Golden Gate Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.318	0.204	0.408	-0.408
2	0.284	0.211	0.422	-0.422
3	0.073	0.216	0.432	-0.432
4	0.012	0.216	0.433	-0.433
5	-0.055	0.216	0.433	-0.433
6	-0.225	0.217	0.433	-0.433
7	-0.214	0.220	0.440	-0.440
8	-0.144	0.223	0.446	-0.446
9	-0.106	0.224	0.448	-0.448
10	-0.090	0.225	0.450	-0.450
11	-0.184	0.225	0.450	-0.450
12	0.081	0.227	0.455	-0.455
13	0.029	0.228	0.455	-0.455
14	0.126	0.228	0.456	-0.456
15	0.096	0.229	0.457	-0.457

Golden Gate Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



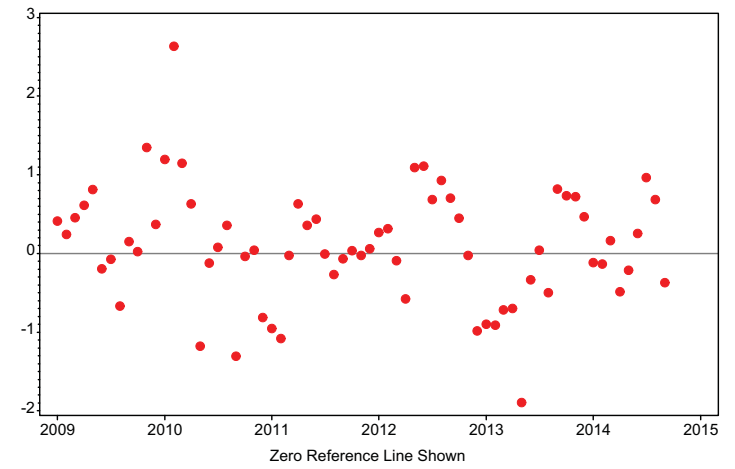
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.036	0.774	0.773	-0.015

Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.036364	0.77429	0.77258	-0.015

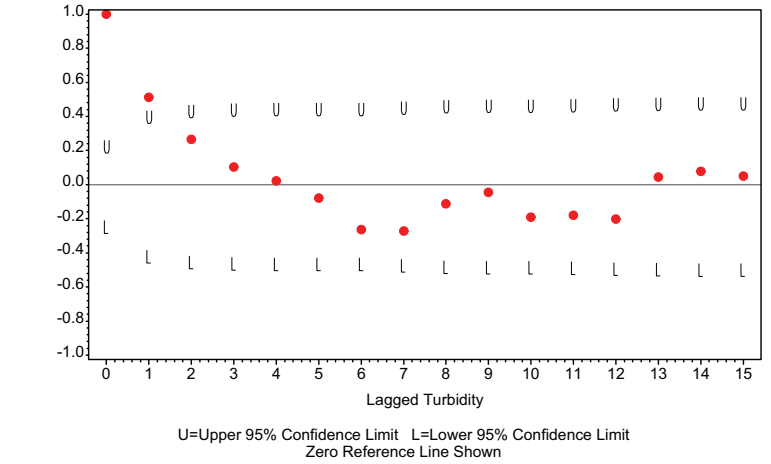
Golden Gate Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Turbidity



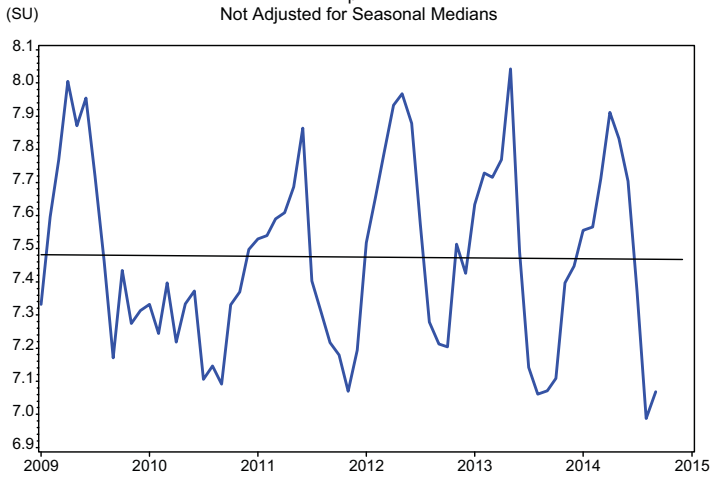
Golden Gate Trends Appendix
Autocorrelation Statistics for Turbidity
Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.513	0.204	0.408	-0.408
2	0.266	0.221	0.443	-0.443
3	0.104	0.226	0.451	-0.451
4	0.023	0.226	0.453	-0.453
5	-0.080	0.226	0.453	-0.453
6	-0.264	0.227	0.454	-0.454
7	-0.273	0.231	0.462	-0.462
8	-0.113	0.235	0.471	-0.471
9	-0.046	0.236	0.472	-0.472
10	-0.190	0.236	0.473	-0.473
11	-0.181	0.238	0.477	-0.477
12	-0.201	0.240	0.481	-0.481
13	0.043	0.243	0.485	-0.485
14	0.077	0.243	0.486	-0.486
15	0.051	0.243	0.486	-0.486

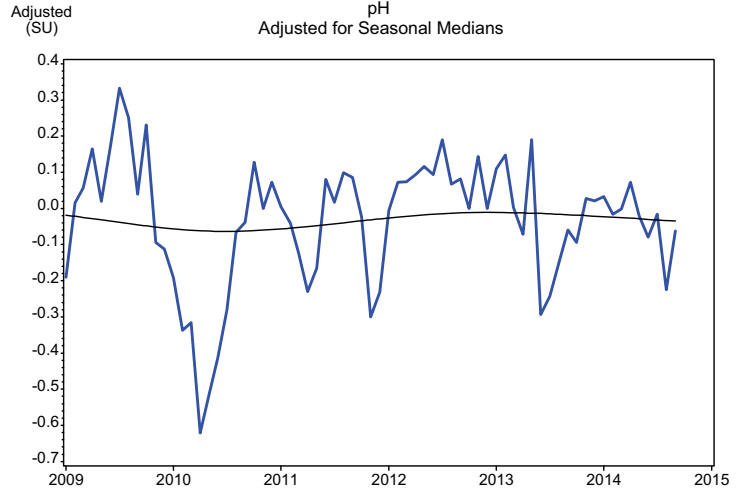
Golden Gate Trends Appendix
Correlogram for Turbidity
Adjusted for Seasonal Median and Detrended



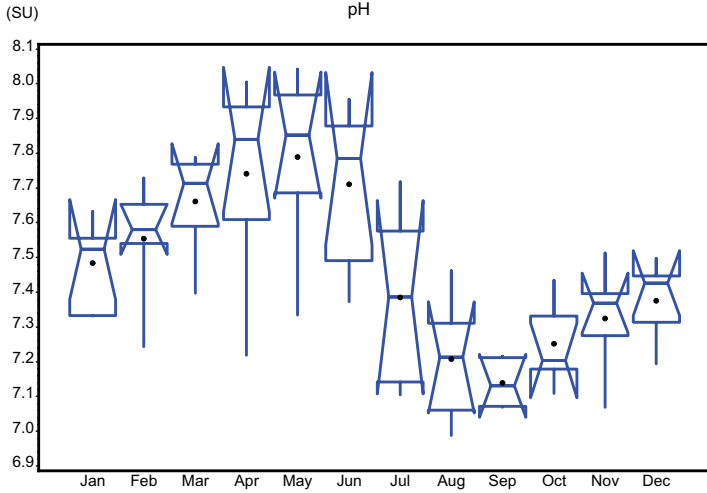
Golden Gate Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



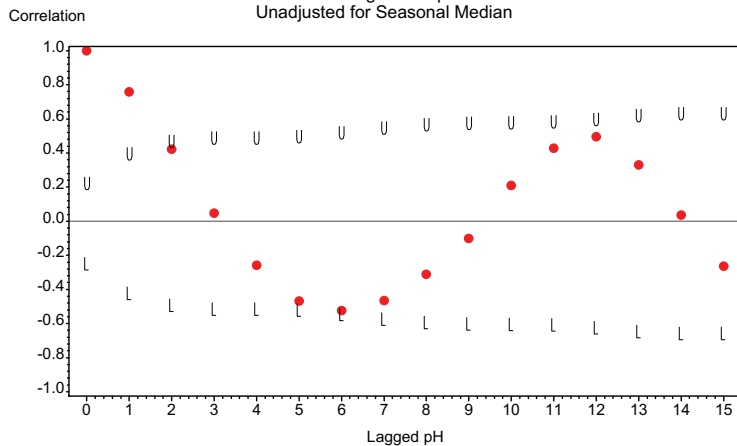
Golden Gate Trends Appendix
Seasonal Univariate Statistics
pH



Golden Gate Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.758	0.204	0.408	-0.408
2	0.421	0.240	0.480	-0.480
3	0.047	0.250	0.500	-0.500
4	-0.258	0.250	0.500	-0.500
5	-0.467	0.254	0.508	-0.508
6	-0.525	0.266	0.531	-0.531
7	-0.466	0.280	0.559	-0.559
8	-0.310	0.290	0.580	-0.580
9	-0.101	0.295	0.589	-0.589
10	0.210	0.295	0.590	-0.590
11	0.428	0.297	0.595	-0.595
12	0.495	0.306	0.611	-0.611
13	0.331	0.317	0.633	-0.633
14	0.035	0.321	0.643	-0.643
15	-0.265	0.322	0.643	-0.643

Golden Gate Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

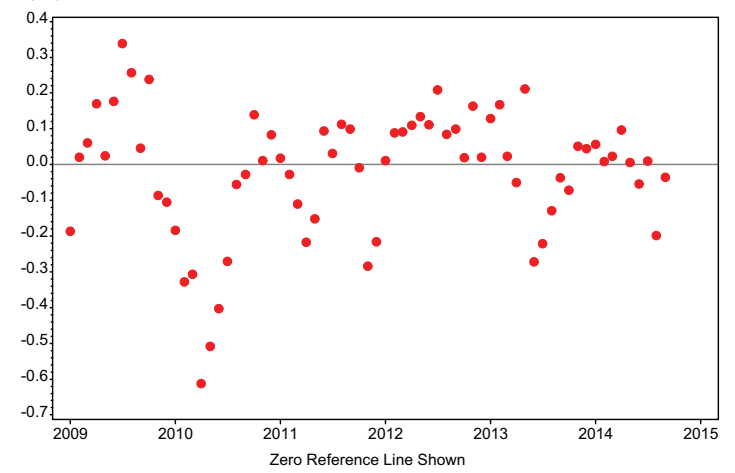
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.03	0.819	0.898	-0.04

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.030303	0.81884	0.89783	-.004

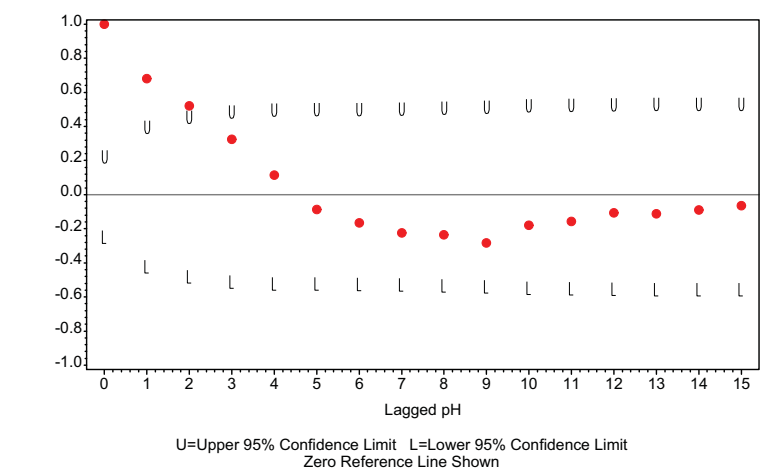
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



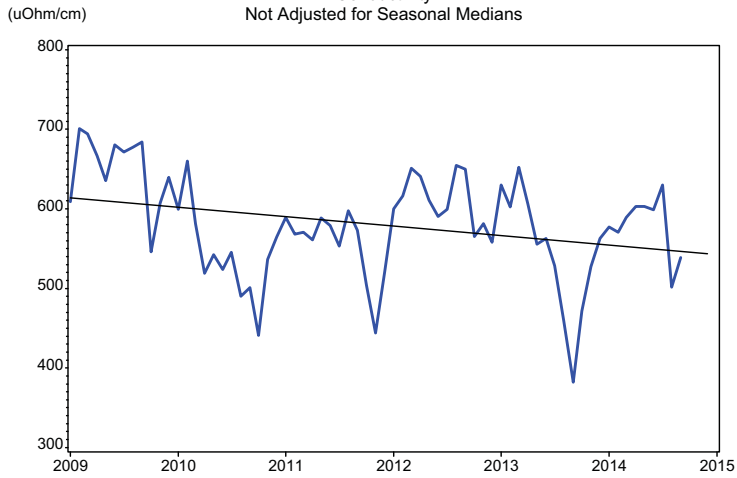
Golden Gate Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.680	0.204	0.408	-0.408
2	0.521	0.233	0.467	-0.467
3	0.324	0.249	0.498	-0.498
4	0.115	0.255	0.510	-0.510
5	-0.088	0.256	0.511	-0.511
6	-0.166	0.256	0.512	-0.512
7	-0.224	0.257	0.515	-0.515
8	-0.237	0.260	0.520	-0.520
9	-0.283	0.263	0.526	-0.526
10	-0.179	0.267	0.535	-0.535
11	-0.156	0.269	0.538	-0.538
12	-0.108	0.270	0.540	-0.540
13	-0.113	0.271	0.542	-0.542
14	-0.089	0.271	0.543	-0.543
15	-0.064	0.272	0.544	-0.544

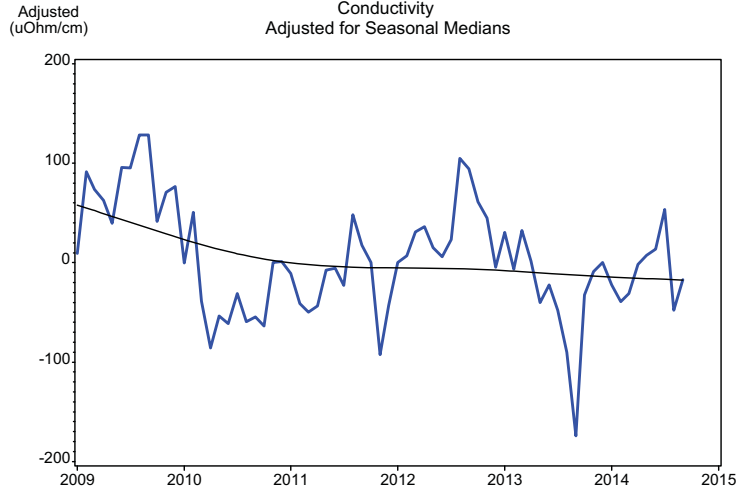
Golden Gate Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



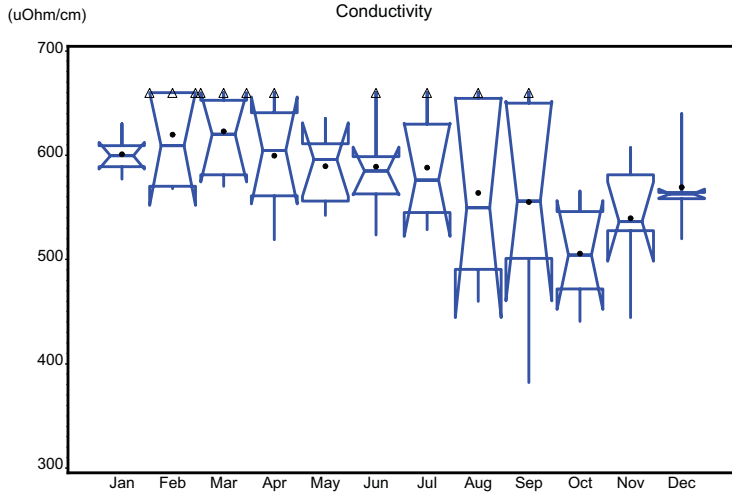
Golden Gate Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



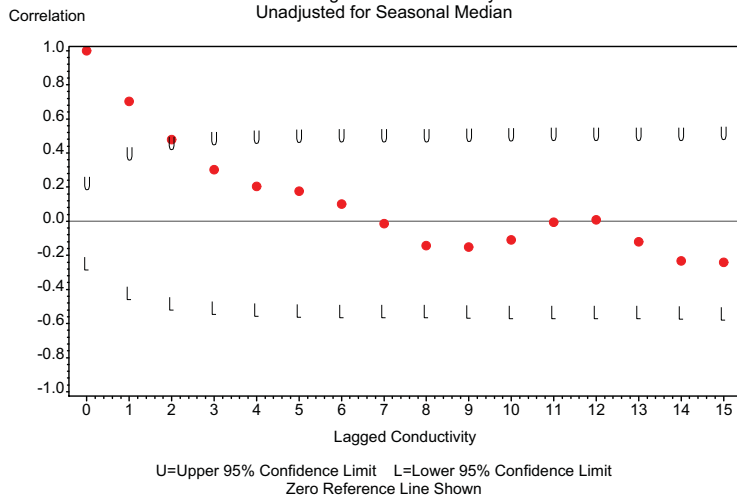
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Conductivity



Golden Gate Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.702	0.204	0.408	-0.408
2	0.477	0.235	0.471	-0.471
3	0.303	0.248	0.497	-0.497
4	0.205	0.253	0.507	-0.507
5	0.176	0.256	0.512	-0.512
6	0.101	0.257	0.515	-0.515
7	-0.015	0.258	0.516	-0.516
8	-0.143	0.258	0.516	-0.516
9	-0.153	0.259	0.518	-0.518
10	-0.110	0.260	0.521	-0.521
11	-0.007	0.261	0.522	-0.522
12	0.007	0.261	0.522	-0.522
13	-0.122	0.261	0.522	-0.522
14	-0.233	0.262	0.524	-0.524
15	-0.242	0.265	0.529	-0.529

Golden Gate Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median

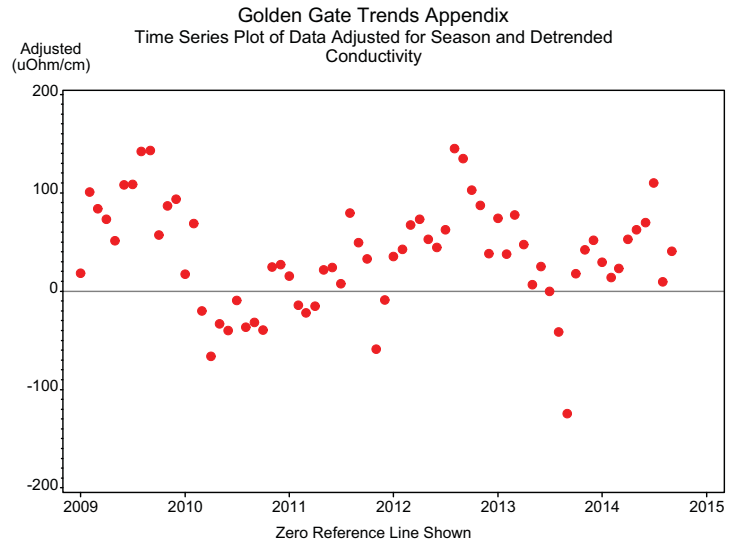


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.067	0.467	-8.713

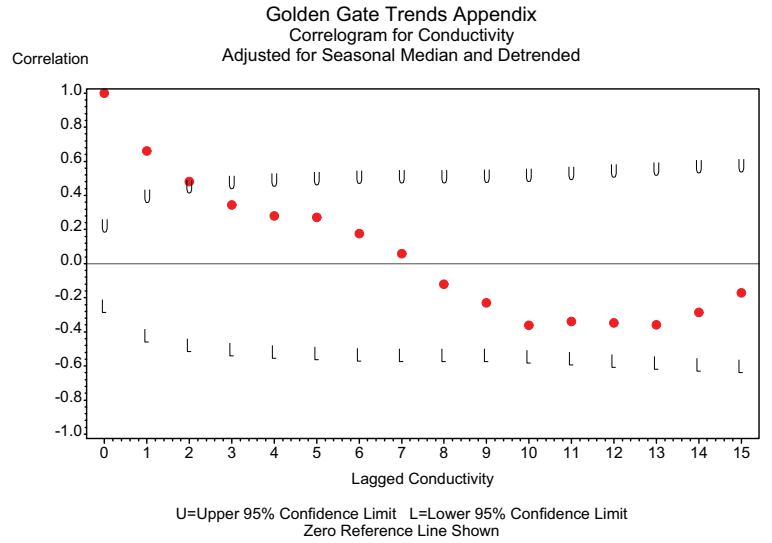
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.066905	0.46656	-8.71233

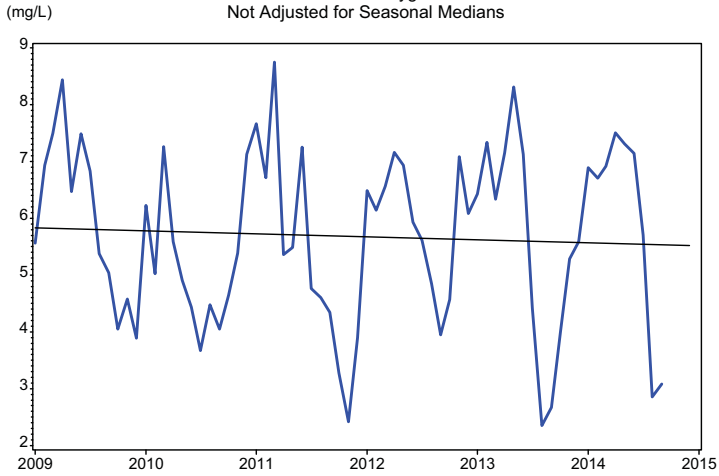


Golden Gate Trends Appendix
Autocorrelation Statistics for Conductivity
Adjusted for Seasonal Median and Detrended

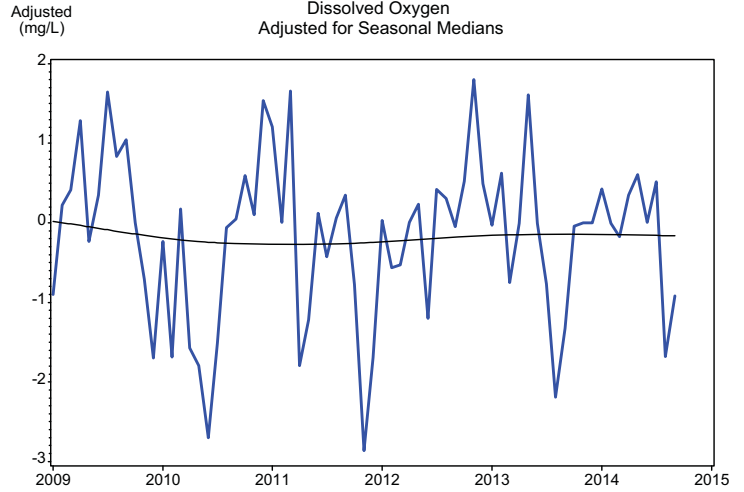
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.659	0.204	0.408	-0.408
2	0.480	0.232	0.464	-0.464
3	0.345	0.245	0.490	-0.490
4	0.279	0.252	0.504	-0.504
5	0.270	0.256	0.512	-0.512
6	0.176	0.260	0.520	-0.520
7	0.059	0.262	0.523	-0.523
8	-0.122	0.262	0.524	-0.524
9	-0.231	0.263	0.525	-0.525
10	-0.362	0.265	0.531	-0.531
11	-0.339	0.272	0.544	-0.544
12	-0.349	0.278	0.556	-0.556
13	-0.358	0.284	0.568	-0.568
14	-0.286	0.290	0.581	-0.581
15	-0.171	0.294	0.588	-0.588



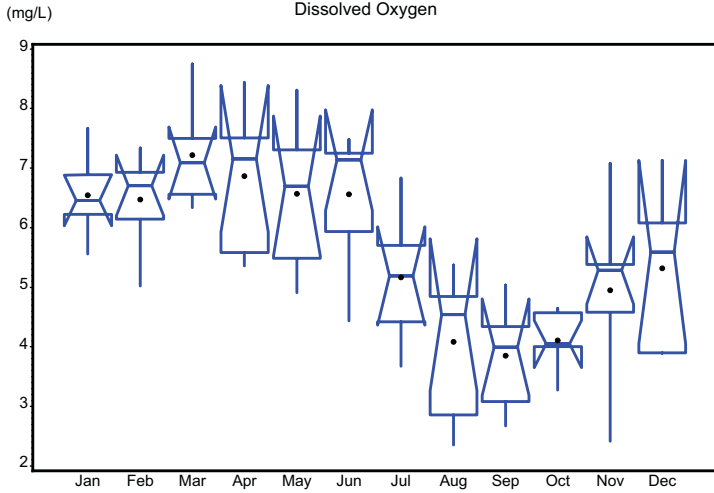
Golden Gate Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



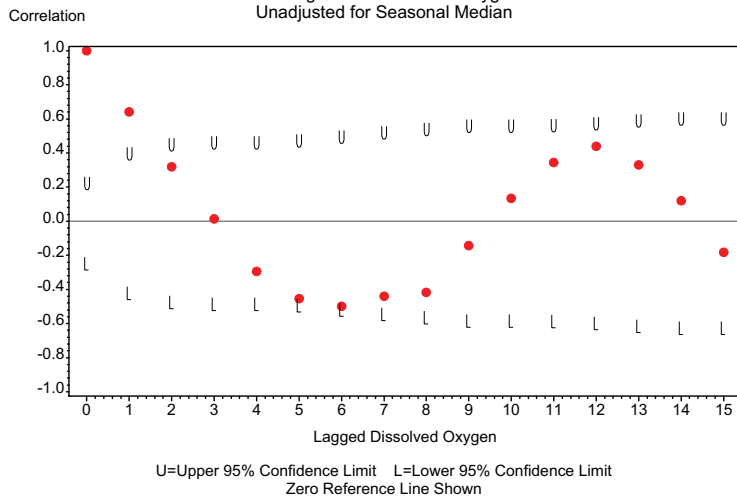
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Golden Gate Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.640	0.204	0.408	-0.408
2	0.318	0.230	0.461	-0.461
3	0.014	0.236	0.473	-0.473
4	-0.295	0.236	0.473	-0.473
5	-0.455	0.241	0.483	-0.483
6	-0.498	0.253	0.506	-0.506
7	-0.439	0.266	0.533	-0.533
8	-0.417	0.276	0.552	-0.552
9	-0.144	0.285	0.570	-0.570
10	0.134	0.286	0.572	-0.572
11	0.344	0.287	0.573	-0.573
12	0.440	0.292	0.585	-0.585
13	0.329	0.301	0.603	-0.603
14	0.121	0.306	0.613	-0.613
15	-0.182	0.307	0.614	-0.614

Golden Gate Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median

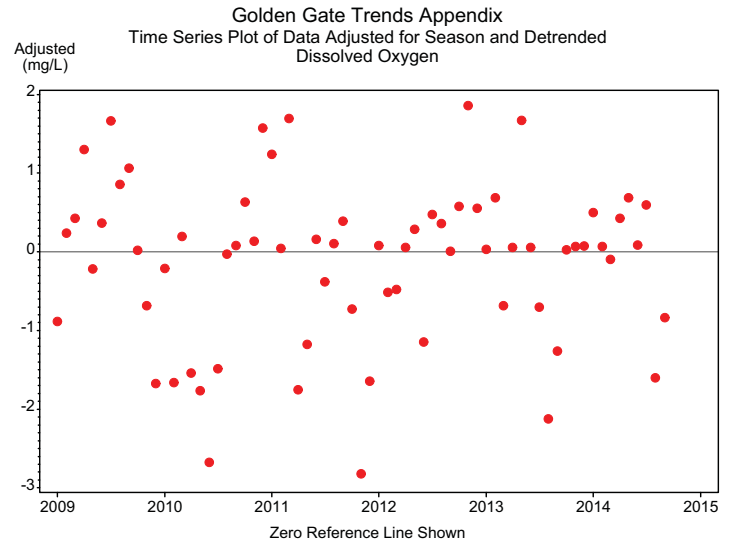


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.03	0.819	0.829	-0.013

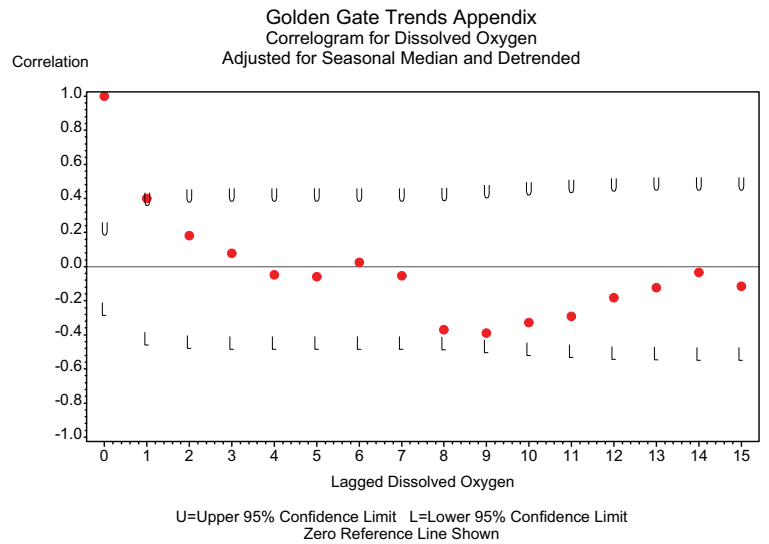
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.030303	0.81884	0.82917	-0.012

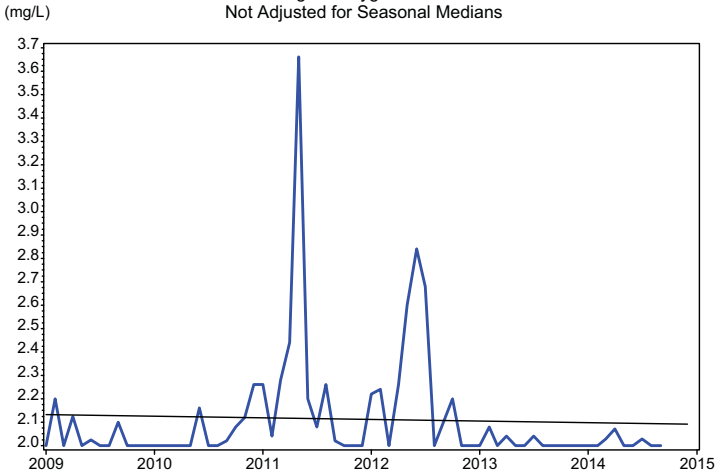


Golden Gate Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Adjusted for Seasonal Median and Detrended

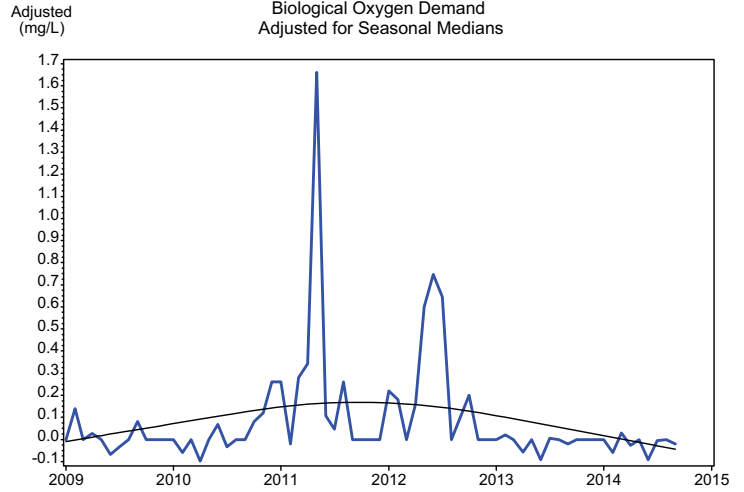
Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.399	0.204	0.408	-0.408
2	0.181	0.215	0.429	-0.429
3	0.077	0.217	0.434	-0.434
4	-0.049	0.217	0.434	-0.434
5	-0.059	0.217	0.435	-0.435
6	0.024	0.218	0.435	-0.435
7	-0.055	0.218	0.435	-0.435
8	-0.370	0.218	0.436	-0.436
9	-0.390	0.226	0.453	-0.453
10	-0.328	0.235	0.471	-0.471
11	-0.291	0.242	0.483	-0.483
12	-0.182	0.247	0.493	-0.493
13	-0.123	0.248	0.497	-0.497
14	-0.035	0.249	0.498	-0.498
15	-0.115	0.249	0.499	-0.499



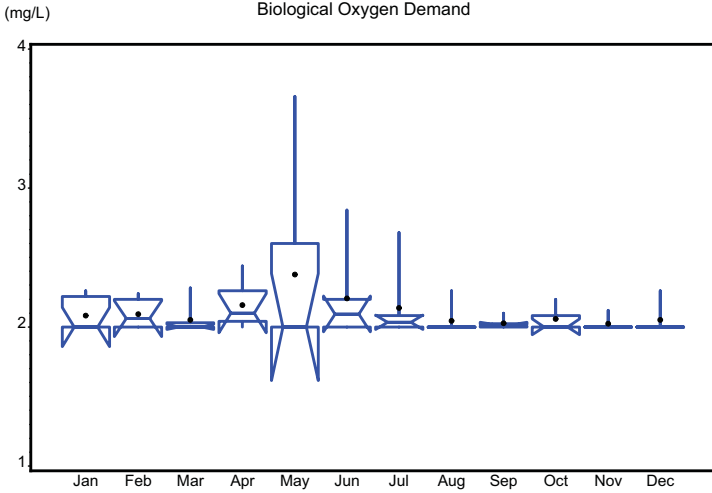
Golden Gate Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Adjusted for Seasonal Medians



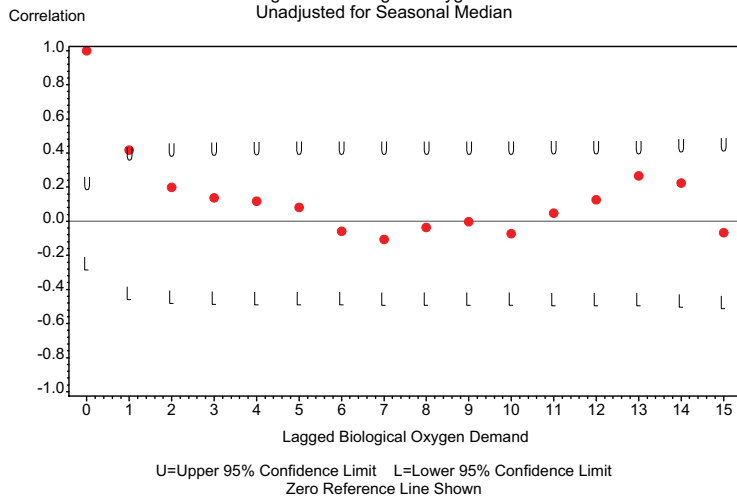
Golden Gate Trends Appendix
 Seasonal Univariate Statistics
 Biological Oxygen Demand



Golden Gate Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.417	0.204	0.408	-0.408
2	0.199	0.216	0.431	-0.431
3	0.137	0.218	0.436	-0.436
4	0.118	0.219	0.439	-0.439
5	0.082	0.220	0.441	-0.441
6	-0.058	0.221	0.441	-0.441
7	-0.106	0.221	0.442	-0.442
8	-0.038	0.222	0.443	-0.443
9	-0.002	0.222	0.443	-0.443
10	-0.072	0.222	0.443	-0.443
11	0.048	0.222	0.444	-0.444
12	0.125	0.222	0.444	-0.444
13	0.266	0.223	0.446	-0.446
14	0.224	0.227	0.455	-0.455
15	-0.067	0.231	0.461	-0.461

Golden Gate Trends Appendix
 Correlogram for Biological Oxygen Demand
 Unadjusted for Seasonal Median



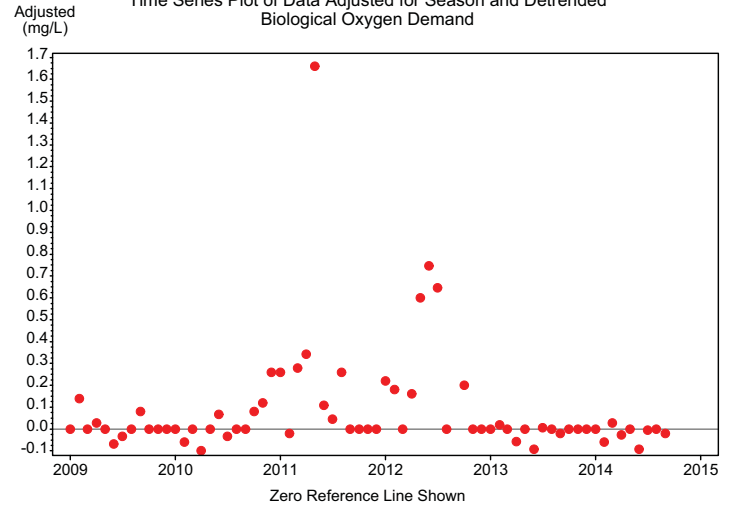
Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.075	0.463	0.692	0

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.075	0.46302	0.69243	0

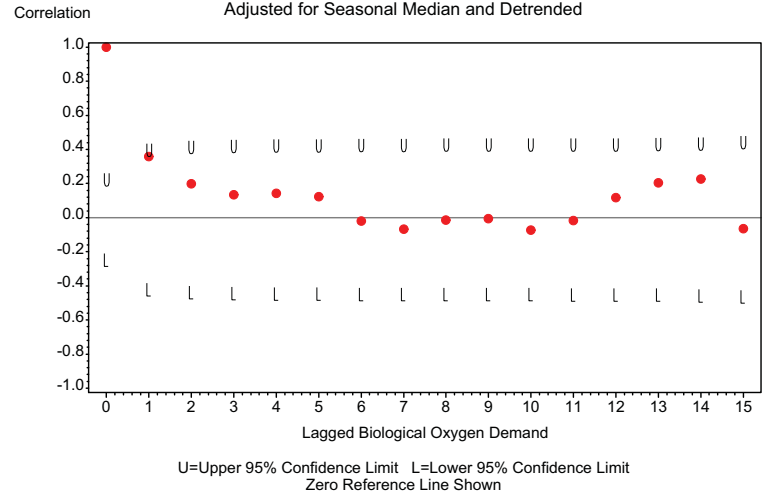
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



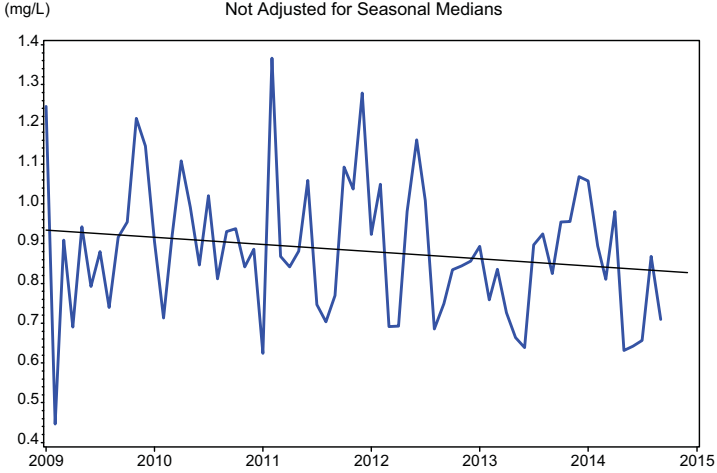
Golden Gate Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.359	0.204	0.408	-0.408
2	0.198	0.213	0.425	-0.425
3	0.135	0.215	0.431	-0.431
4	0.142	0.216	0.433	-0.433
5	0.124	0.218	0.435	-0.435
6	-0.020	0.219	0.437	-0.437
7	-0.068	0.219	0.437	-0.437
8	-0.014	0.219	0.438	-0.438
9	-0.007	0.219	0.438	-0.438
10	-0.072	0.219	0.438	-0.438
11	-0.017	0.219	0.439	-0.439
12	0.118	0.219	0.439	-0.439
13	0.204	0.220	0.441	-0.441
14	0.226	0.223	0.446	-0.446
15	-0.064	0.226	0.452	-0.452

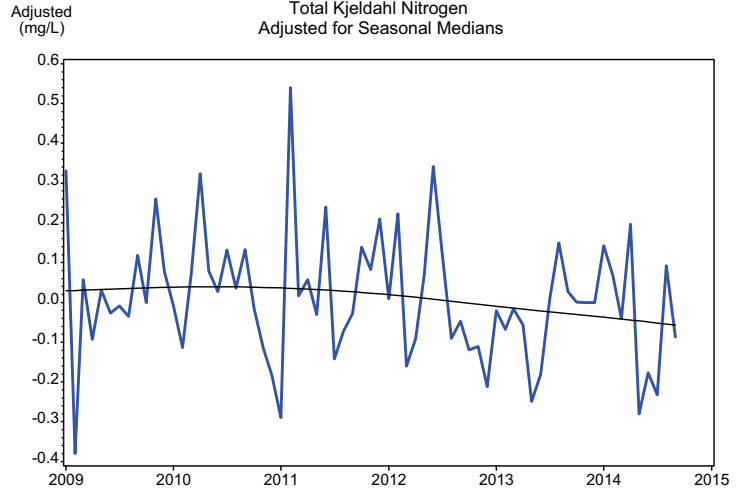
Golden Gate Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



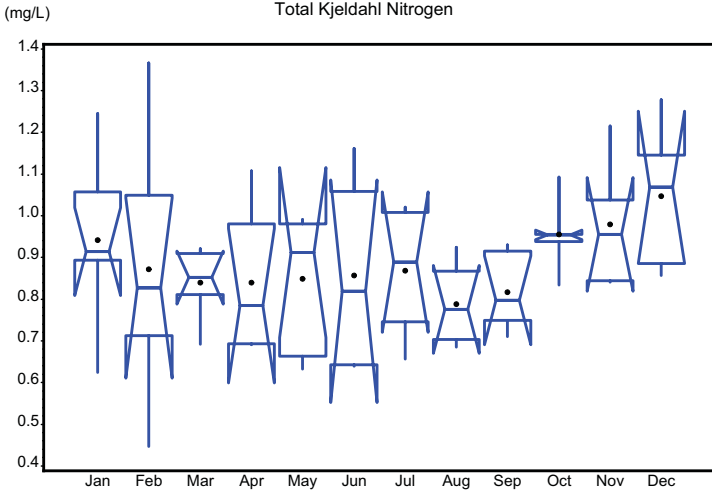
Golden Gate Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



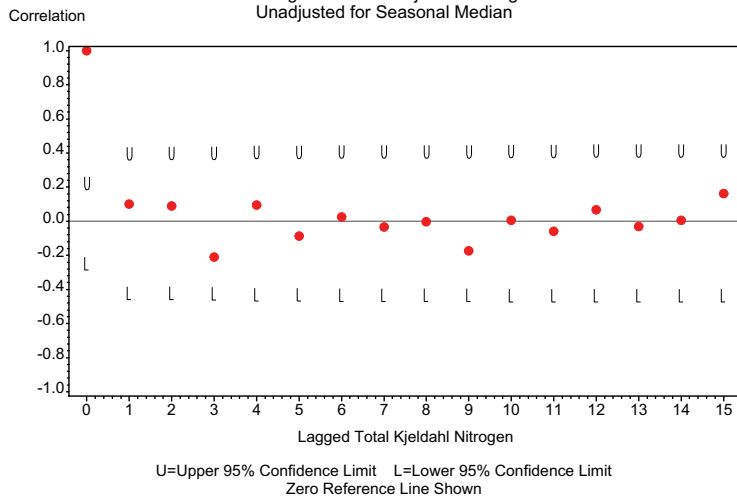
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Golden Gate Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.101	0.204	0.408	-0.408
2	0.090	0.205	0.410	-0.410
3	-0.211	0.205	0.411	-0.411
4	0.094	0.208	0.417	-0.417
5	-0.086	0.209	0.418	-0.418
6	0.025	0.209	0.419	-0.419
7	-0.034	0.209	0.419	-0.419
8	-0.003	0.210	0.419	-0.419
9	-0.174	0.210	0.419	-0.419
10	0.005	0.212	0.423	-0.423
11	-0.058	0.212	0.423	-0.423
12	0.068	0.212	0.424	-0.424
13	-0.032	0.212	0.424	-0.424
14	0.006	0.212	0.424	-0.424
15	0.162	0.212	0.424	-0.424

Golden Gate Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median

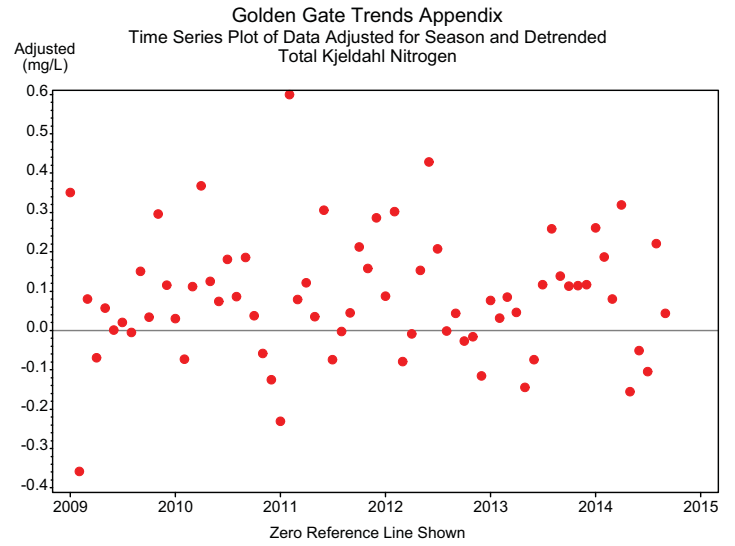


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.164	0.137	0.085	-0.02

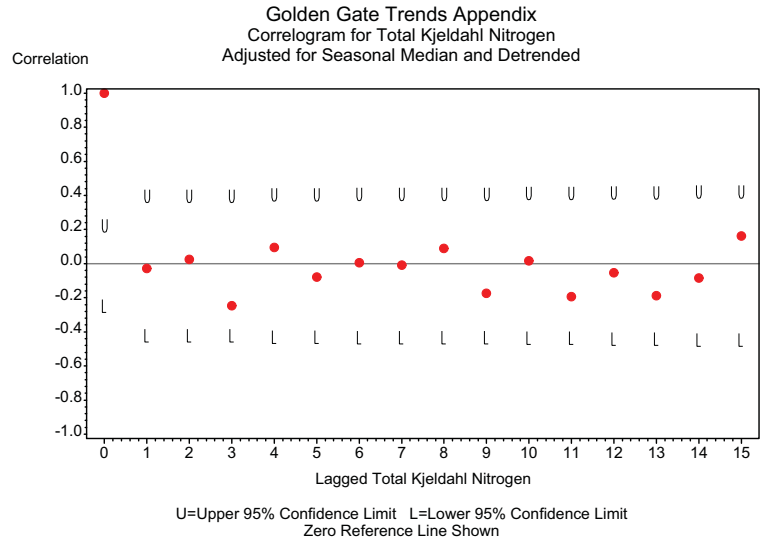
Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16364	0.13655	0.084861	-0.0196

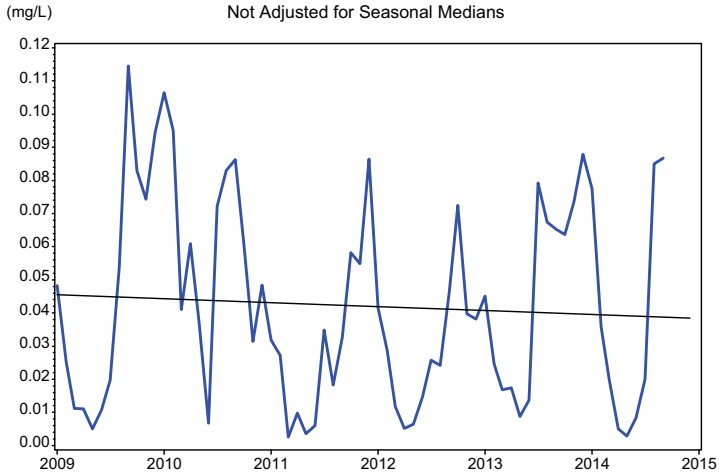


Golden Gate Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

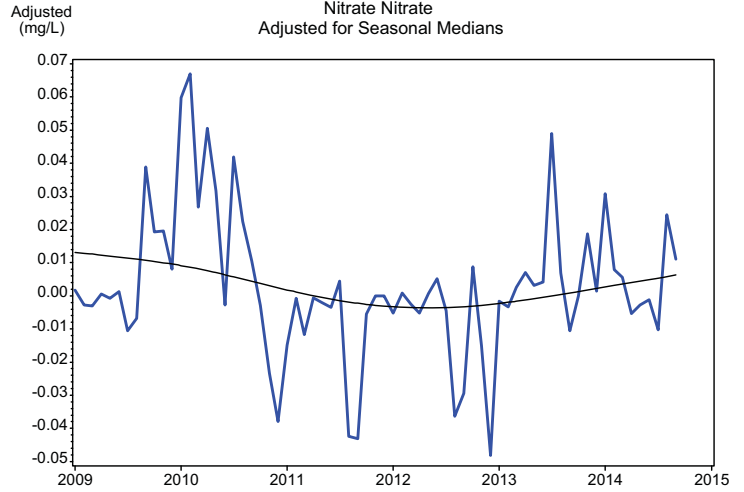
Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.029	0.204	0.408	-0.408
2	0.026	0.204	0.408	-0.408
3	-0.248	0.204	0.408	-0.408
4	0.094	0.208	0.417	-0.417
5	-0.078	0.209	0.418	-0.418
6	0.005	0.209	0.419	-0.419
7	-0.009	0.209	0.419	-0.419
8	0.090	0.209	0.419	-0.419
9	-0.173	0.210	0.420	-0.420
10	0.017	0.212	0.424	-0.424
11	-0.193	0.212	0.424	-0.424
12	-0.054	0.214	0.429	-0.429
13	-0.187	0.215	0.429	-0.429
14	-0.084	0.217	0.434	-0.434
15	0.162	0.217	0.434	-0.434



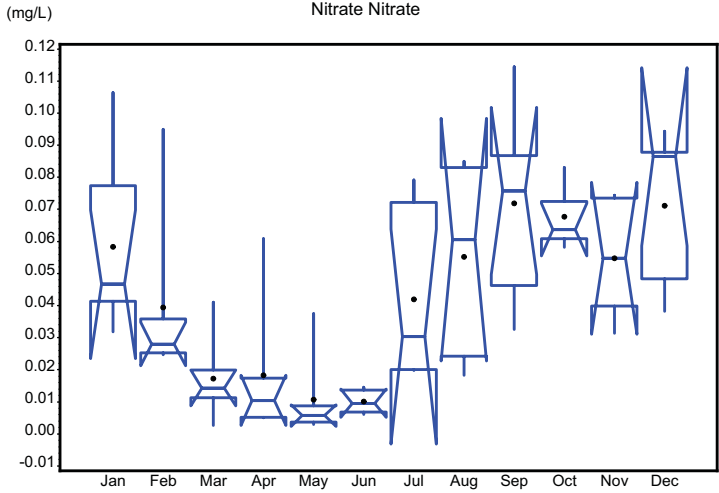
Golden Gate Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



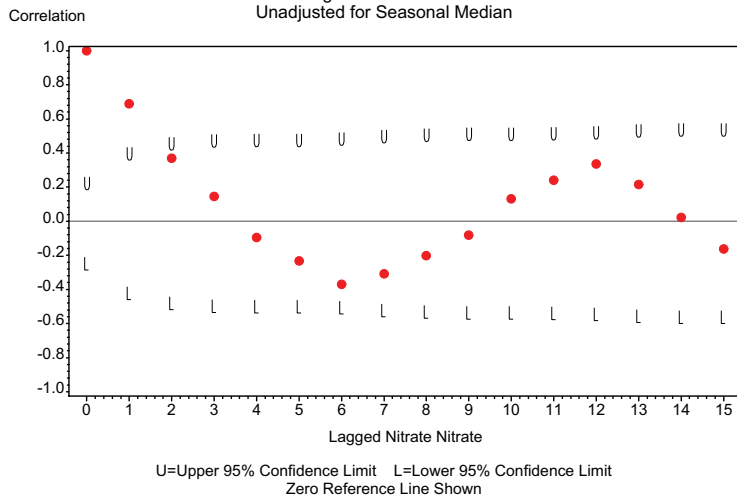
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Golden Gate Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.687	0.204	0.408	-0.408
2	0.369	0.234	0.468	-0.468
3	0.146	0.242	0.484	-0.484
4	-0.096	0.243	0.486	-0.486
5	-0.233	0.244	0.488	-0.488
6	-0.369	0.247	0.494	-0.494
7	-0.308	0.254	0.509	-0.509
8	-0.202	0.260	0.519	-0.519
9	-0.081	0.262	0.523	-0.523
10	0.131	0.262	0.524	-0.524
11	0.240	0.263	0.526	-0.526
12	0.336	0.266	0.532	-0.532
13	0.215	0.272	0.544	-0.544
14	0.023	0.274	0.548	-0.548
15	-0.162	0.274	0.548	-0.548

Golden Gate Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median

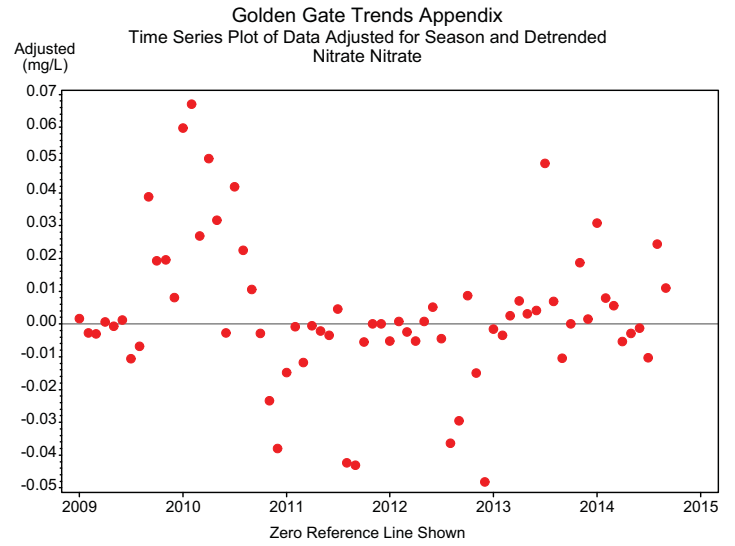


Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

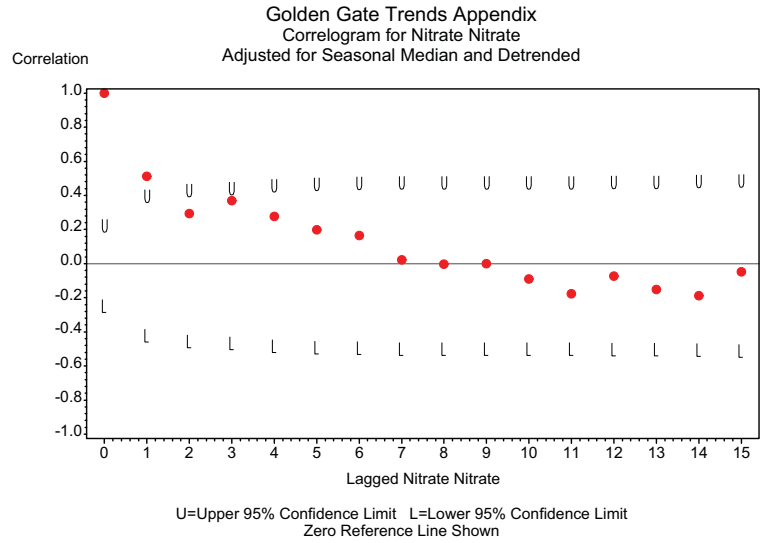
Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.00606061	1	1	0

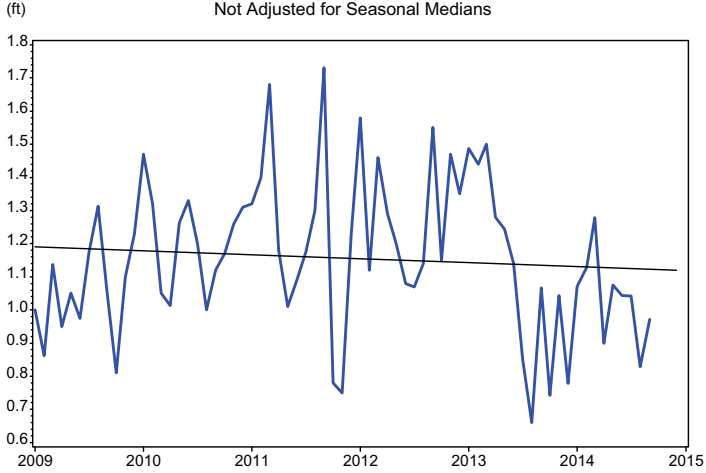


Golden Gate Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

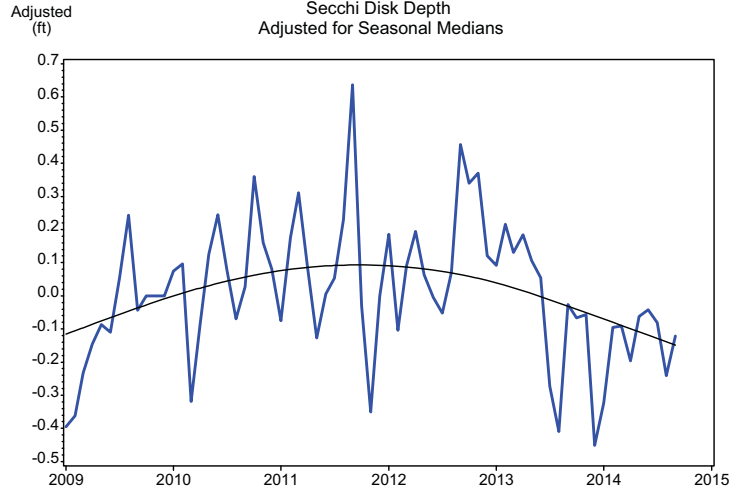
Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.512	0.204	0.408	-0.408
2	0.293	0.221	0.443	-0.443
3	0.369	0.227	0.453	-0.453
4	0.277	0.235	0.470	-0.470
5	0.197	0.239	0.479	-0.479
6	0.165	0.242	0.483	-0.483
7	0.021	0.243	0.486	-0.486
8	-0.004	0.243	0.486	-0.486
9	-0.001	0.243	0.486	-0.486
10	-0.091	0.243	0.486	-0.486
11	-0.177	0.244	0.487	-0.487
12	-0.073	0.245	0.491	-0.491
13	-0.152	0.246	0.491	-0.491
14	-0.187	0.247	0.494	-0.494
15	-0.048	0.249	0.498	-0.498



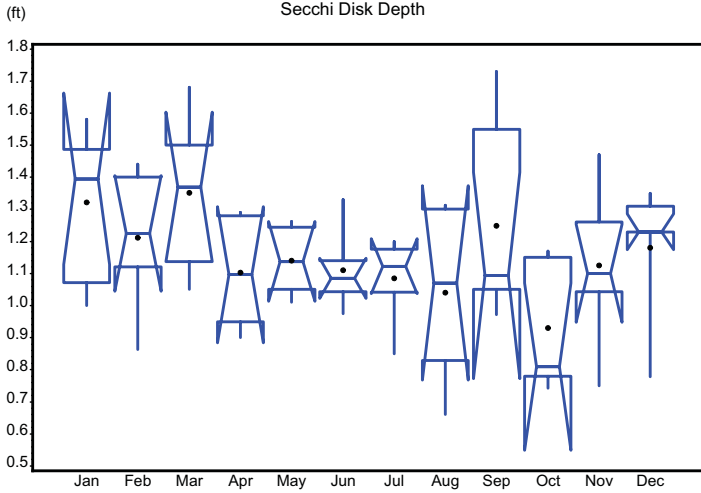
Golden Gate Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



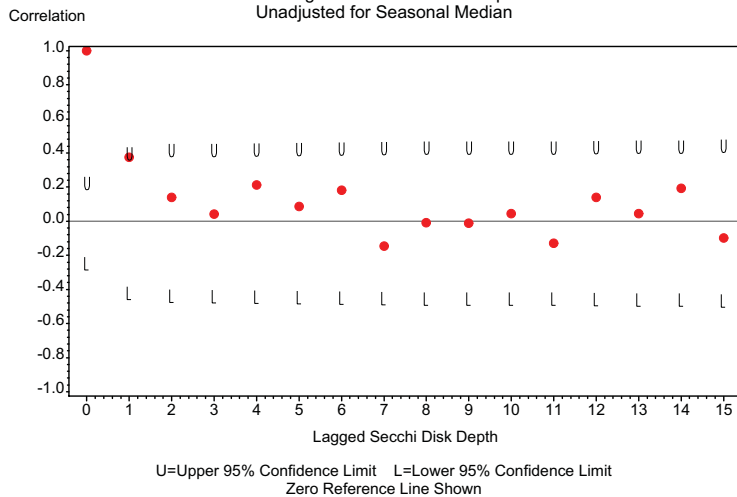
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Golden Gate Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.375	0.204	0.408	-0.408
2	0.139	0.213	0.427	-0.427
3	0.042	0.215	0.429	-0.429
4	0.211	0.215	0.430	-0.430
5	0.085	0.218	0.435	-0.435
6	0.182	0.218	0.436	-0.436
7	-0.147	0.220	0.440	-0.440
8	-0.008	0.222	0.443	-0.443
9	-0.011	0.222	0.443	-0.443
10	0.043	0.222	0.443	-0.443
11	-0.130	0.222	0.443	-0.443
12	0.139	0.223	0.446	-0.446
13	0.044	0.224	0.448	-0.448
14	0.192	0.224	0.448	-0.448
15	-0.099	0.226	0.453	-0.453

Golden Gate Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



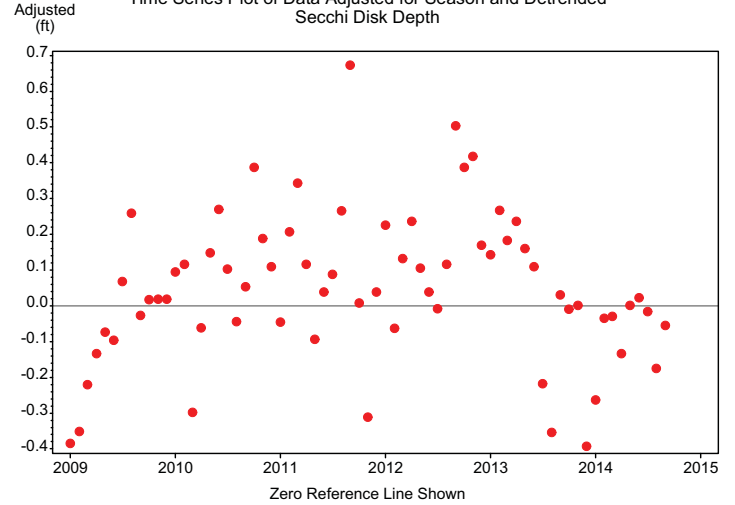
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.079	0.491	0.662	-0.01

Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.078788	0.49058	0.66245	-0.01

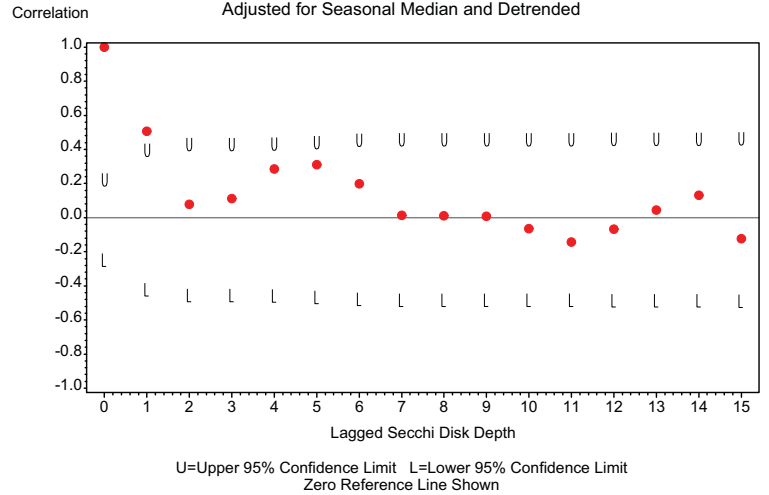
Golden Gate Trends Appendix
Time Series Plot of Data Adjusted for Season and Detrended
Secchi Disk Depth



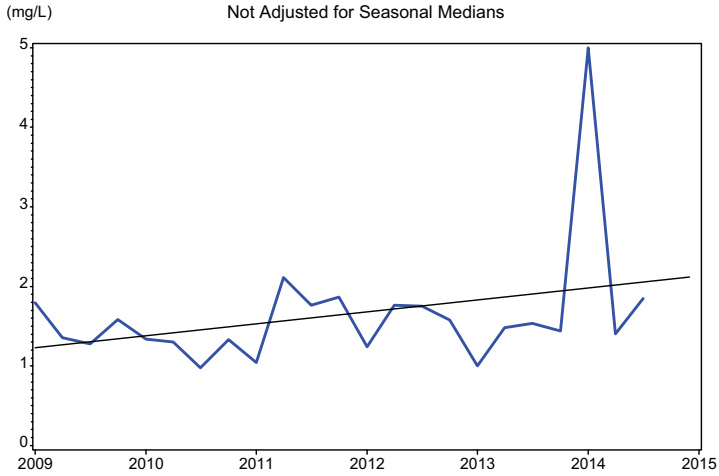
Golden Gate Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.507	0.204	0.408	-0.408
2	0.078	0.221	0.442	-0.442
3	0.111	0.221	0.443	-0.443
4	0.284	0.222	0.444	-0.444
5	0.309	0.227	0.454	-0.454
6	0.199	0.233	0.466	-0.466
7	0.014	0.235	0.470	-0.470
8	0.010	0.235	0.470	-0.470
9	0.009	0.235	0.470	-0.470
10	-0.065	0.235	0.470	-0.470
11	-0.144	0.235	0.471	-0.471
12	-0.067	0.237	0.473	-0.473
13	0.044	0.237	0.474	-0.474
14	0.131	0.237	0.474	-0.474
15	-0.124	0.238	0.476	-0.476

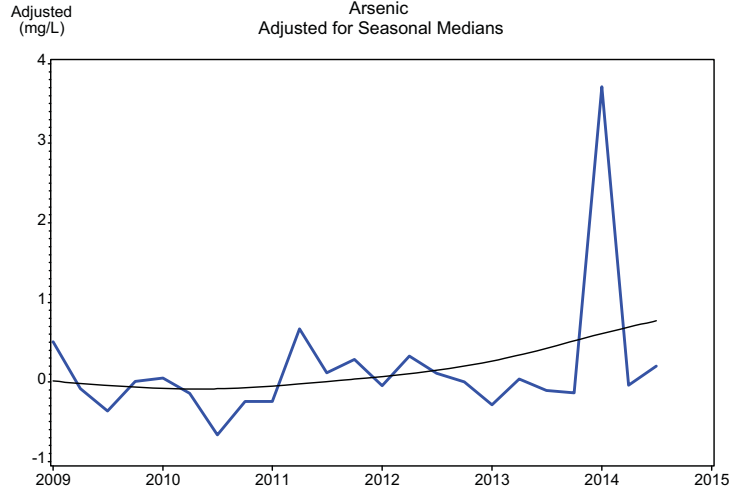
Golden Gate Trends Appendix
Correlogram for Secchi Disk Depth
Adjusted for Seasonal Median and Detrended



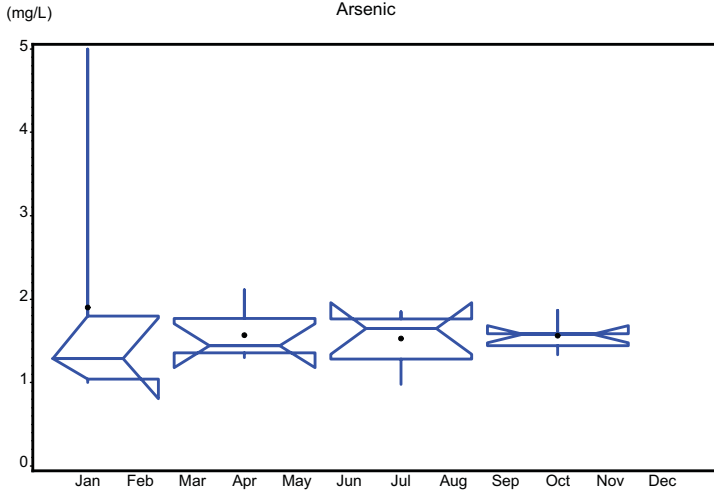
Golden Gate Trends Appendix
Monthly Data Time Series
Arsenic
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Arsenic
Adjusted for Seasonal Medians



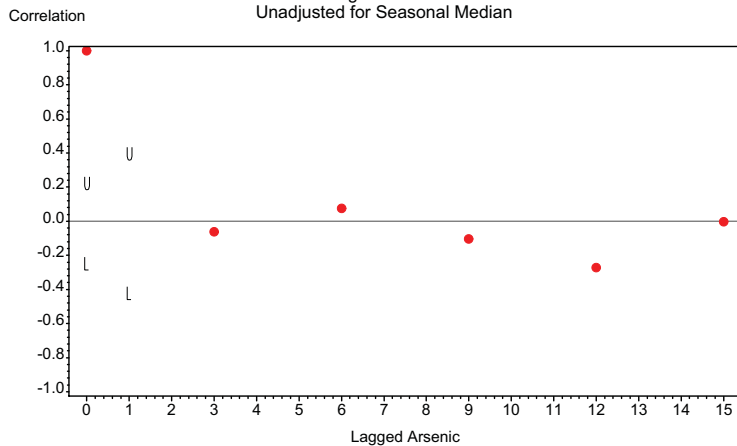
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Arsenic



Golden Gate Trends Appendix
Autocorrelation Statistics for Arsenic
Unadjusted for Seasonal Medians

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.063	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.076	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.103	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.272	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.002	.	.	.

Golden Gate Trends Appendix
Correlogram for Arsenic
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

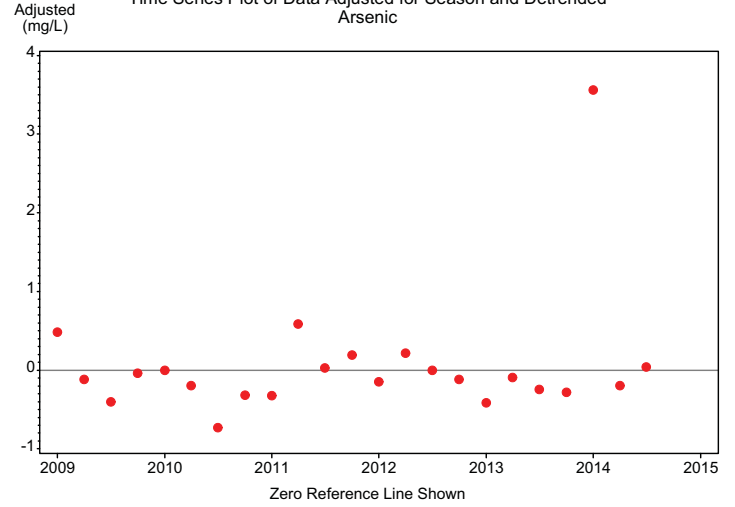
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Arsenic
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.055	0.843	0.874	0.025

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Arsenic
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.054546	0.84277	0.87424	0.025

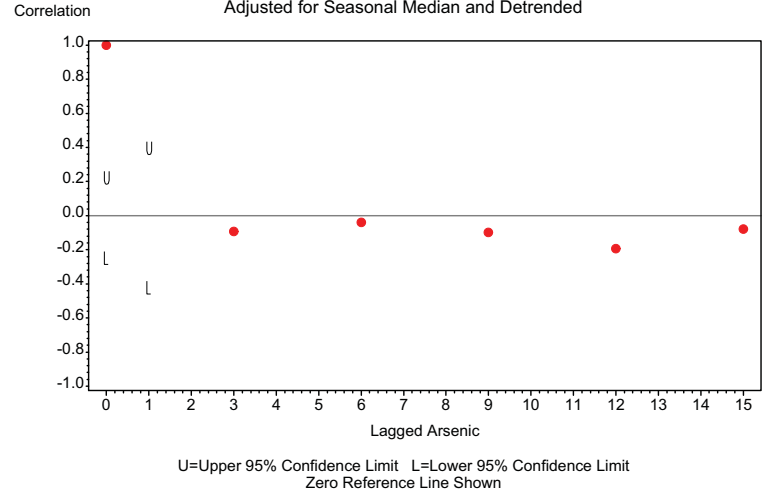
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Arsenic



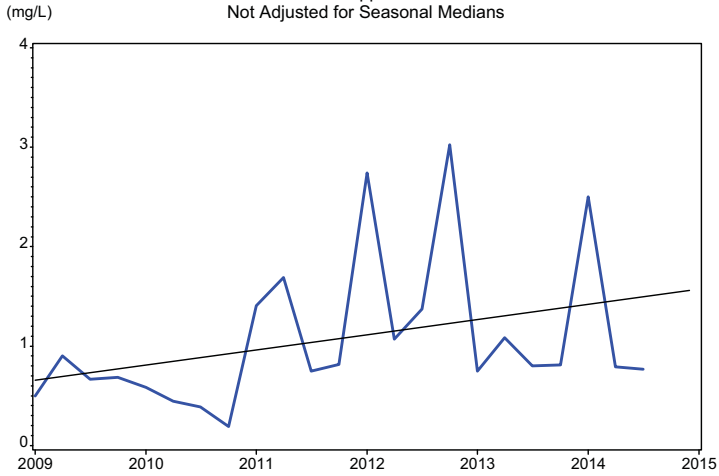
Golden Gate Trends Appendix
 Autocorrelation Statistics for Arsenic
 Adjusted for Seasonal Median and Detrended

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.093	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.040	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.099	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.195	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.079	.	.	.

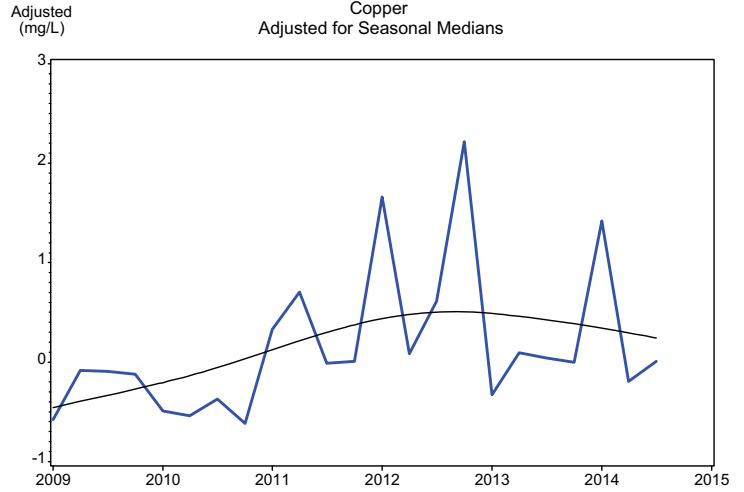
Golden Gate Trends Appendix
 Correlogram for Arsenic
 Adjusted for Seasonal Median and Detrended



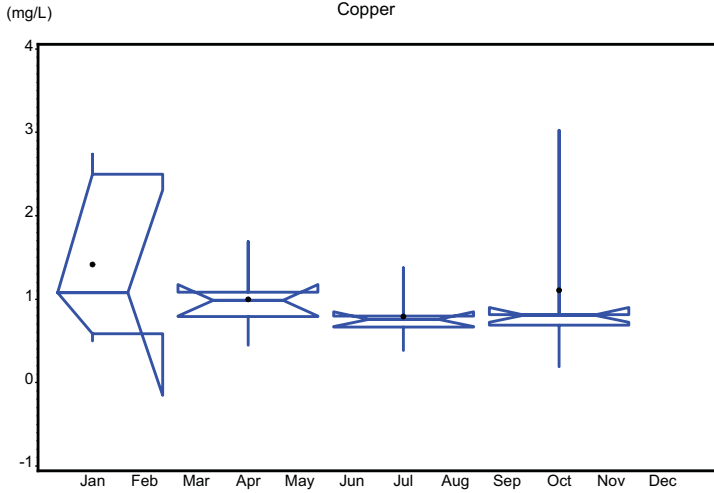
Golden Gate Trends Appendix
Monthly Data Time Series
Copper
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Copper
Adjusted for Seasonal Medians



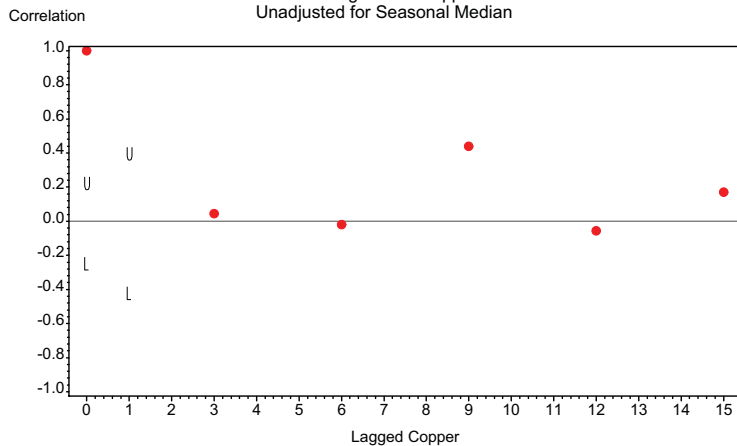
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Copper



Golden Gate Trends Appendix
Autocorrelation Statistics for Copper
Unadjusted for Seasonal Medians

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.044	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.019	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.440	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.057	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.169	.	.	.

Golden Gate Trends Appendix
Correlogram for Copper
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

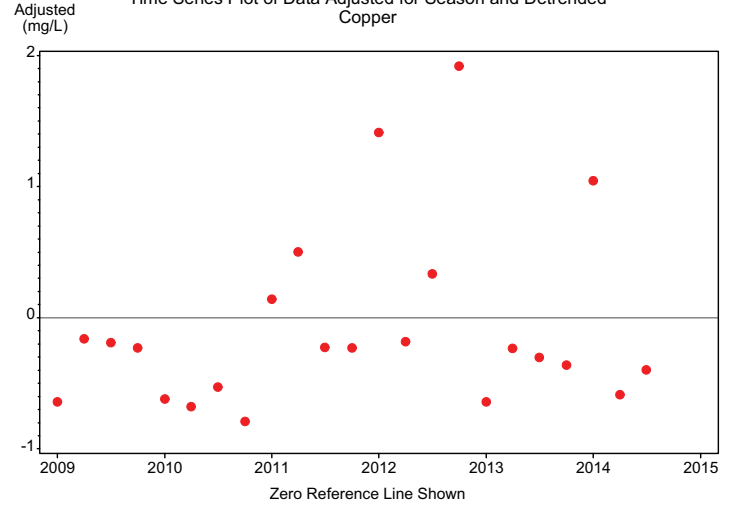
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Copper
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.382	0.047	0.233	0.063

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Copper
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.38182	0.047308	0.23283	0.0625

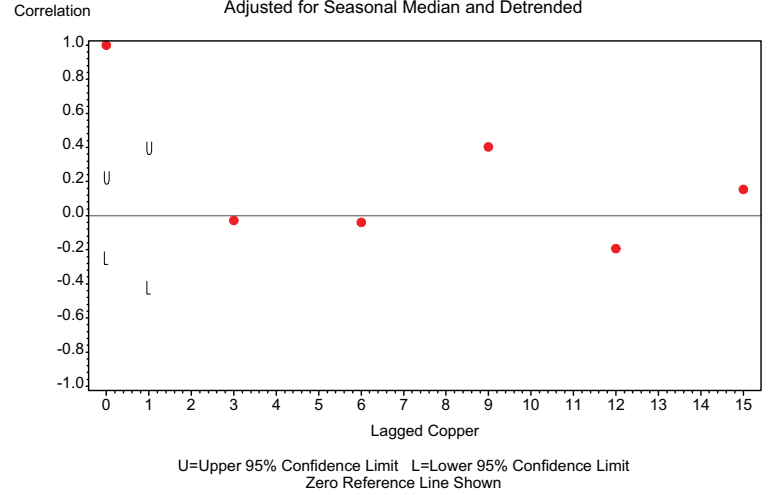
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Copper



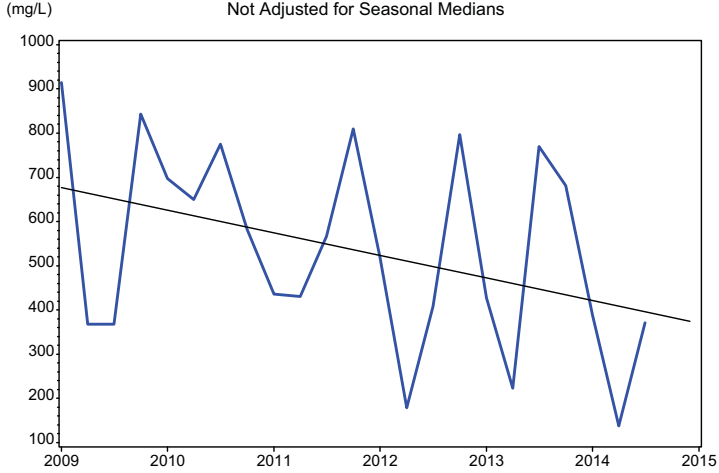
Golden Gate Trends Appendix
 Autocorrelation Statistics for Copper
 Adjusted for Seasonal Median and Detrended

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.029	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.040	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.402	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.193	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.153	.	.	.

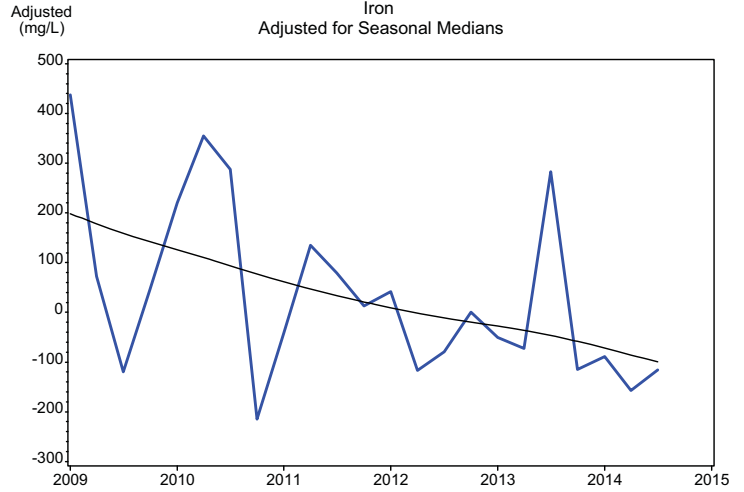
Golden Gate Trends Appendix
 Correlogram for Copper
 Adjusted for Seasonal Median and Detrended



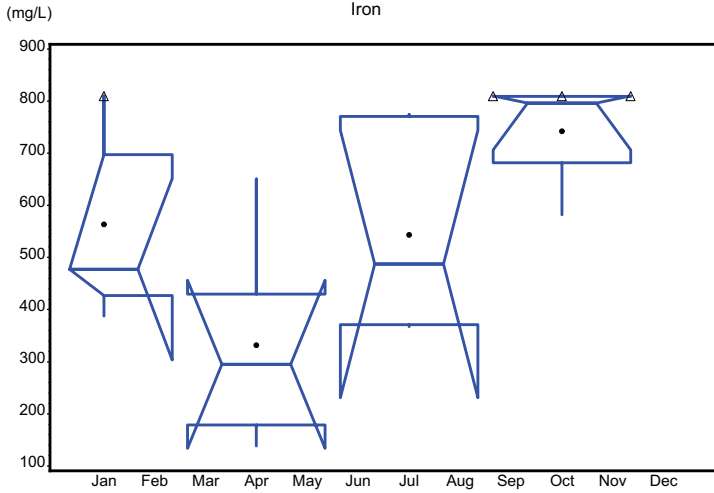
Golden Gate Trends Appendix
Monthly Data Time Series
Iron
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Iron
Adjusted for Seasonal Medians



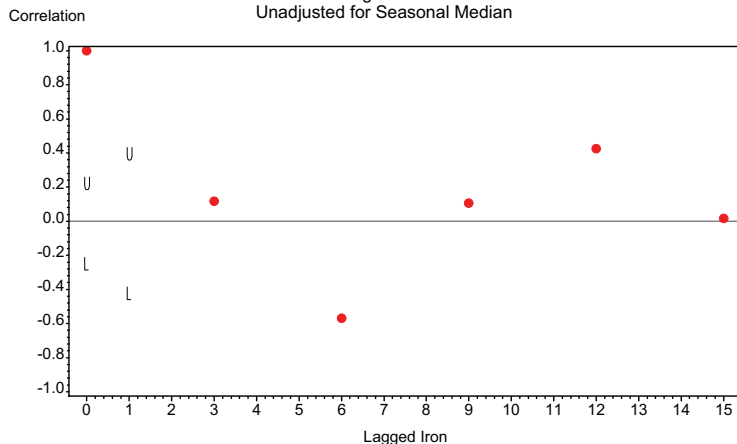
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Iron



Golden Gate Trends Appendix
Autocorrelation Statistics for Iron
Unadjusted for Seasonal Medians

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.116	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.568	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.107	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.424	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.015	.	.	.

Golden Gate Trends Appendix
Correlogram for Iron
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

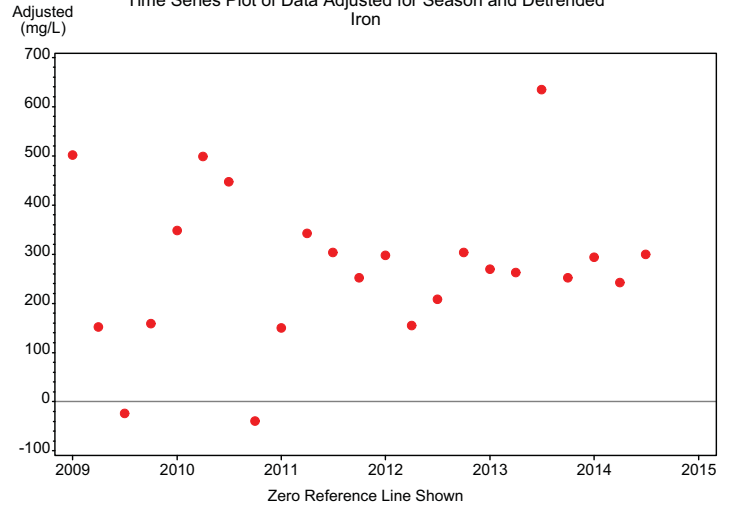
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Iron
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.491	0.01	0.021	-63.886

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Iron
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.49091	.00991995	0.021386	-63.8855

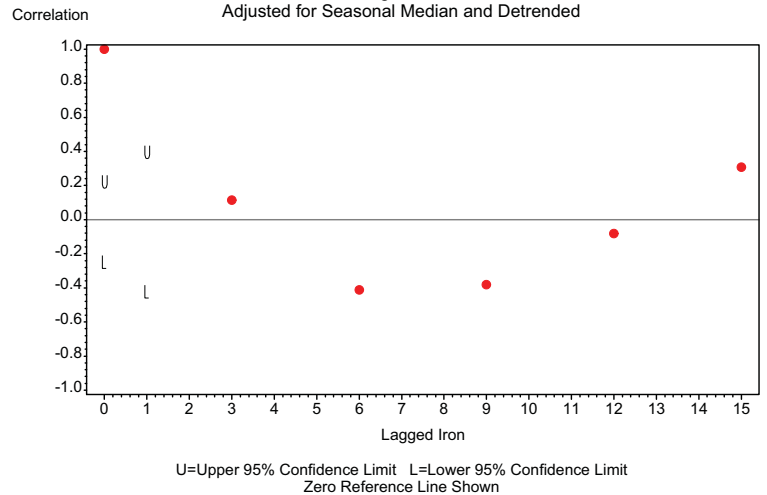
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Iron



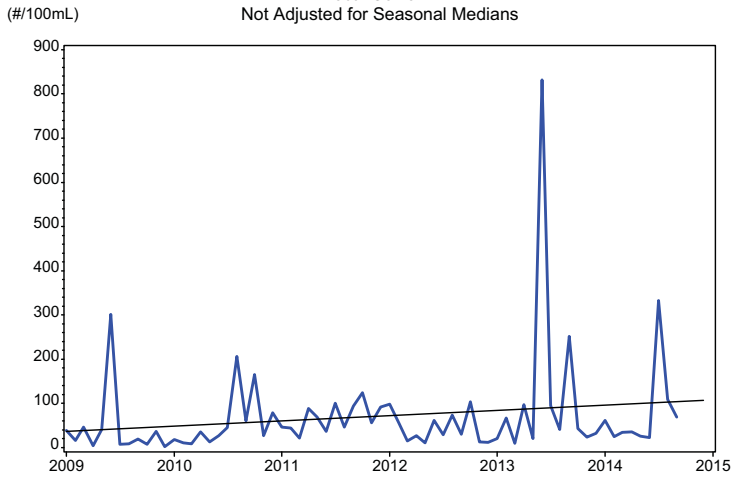
Golden Gate Trends Appendix
 Autocorrelation Statistics for Iron
 Adjusted for Seasonal Median and Detrended

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.113	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.412	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.382	.	.	.
10	.	.	.	.
11	.	.	.	.
12	-0.083	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.307	.	.	.

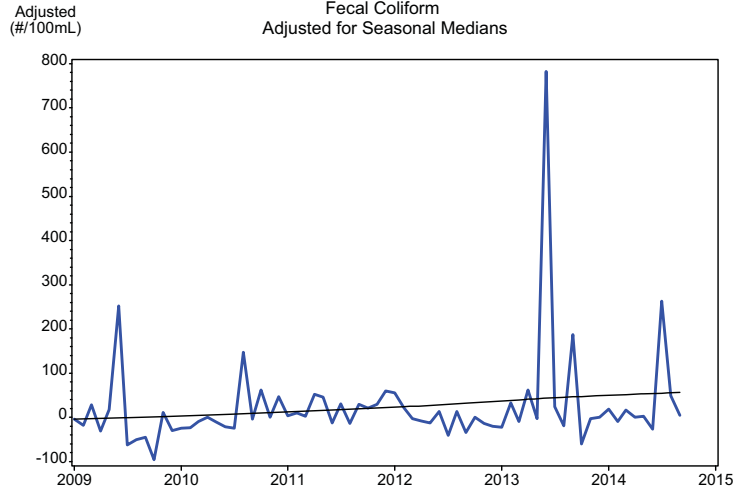
Golden Gate Trends Appendix
 Correlogram for Iron
 Adjusted for Seasonal Median and Detrended



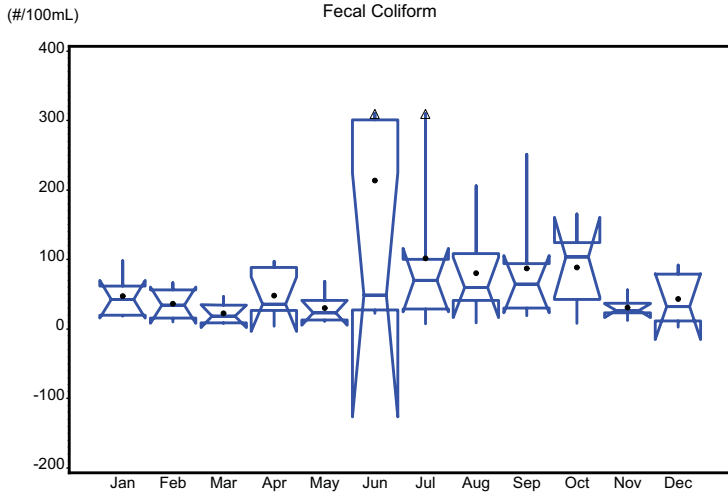
Golden Gate Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Golden Gate Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



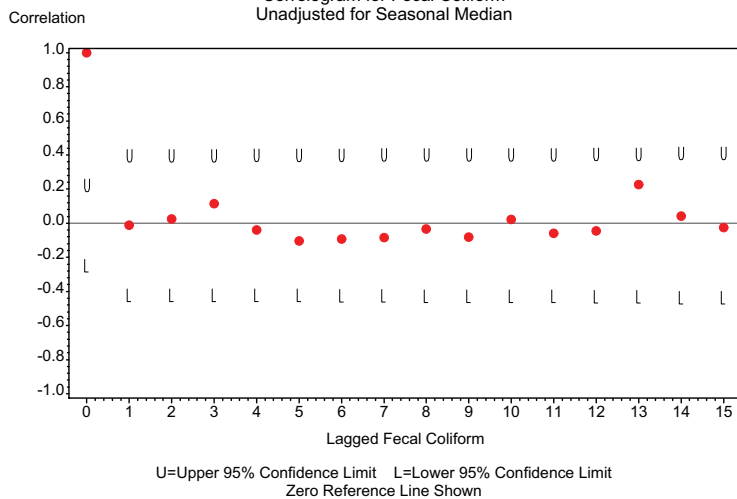
Golden Gate Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Golden Gate Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.011	0.204	0.408	-0.408
2	0.026	0.204	0.408	-0.408
3	0.115	0.204	0.408	-0.408
4	-0.040	0.205	0.410	-0.410
5	-0.103	0.205	0.410	-0.410
6	-0.094	0.206	0.412	-0.412
7	-0.085	0.206	0.413	-0.413
8	-0.034	0.207	0.414	-0.414
9	-0.083	0.207	0.414	-0.414
10	0.021	0.208	0.415	-0.415
11	-0.060	0.208	0.415	-0.415
12	-0.046	0.208	0.416	-0.416
13	0.225	0.208	0.416	-0.416
14	0.041	0.211	0.423	-0.423
15	-0.027	0.211	0.423	-0.423

Golden Gate Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



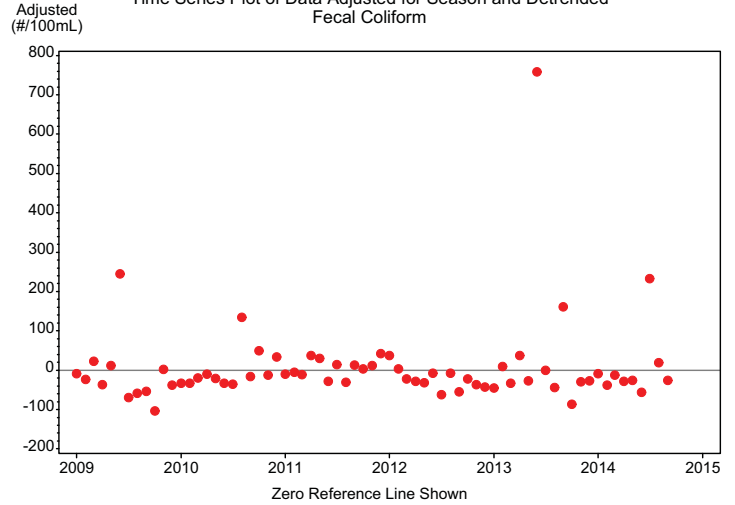
Golden Gate Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.176	0.109	0.229	4.596

Golden Gate Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.17576	0.10887	0.22923	4.5964

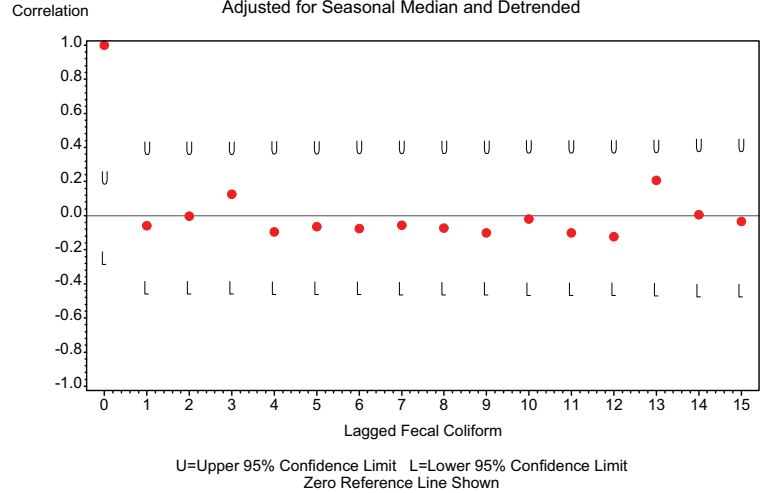
Golden Gate Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



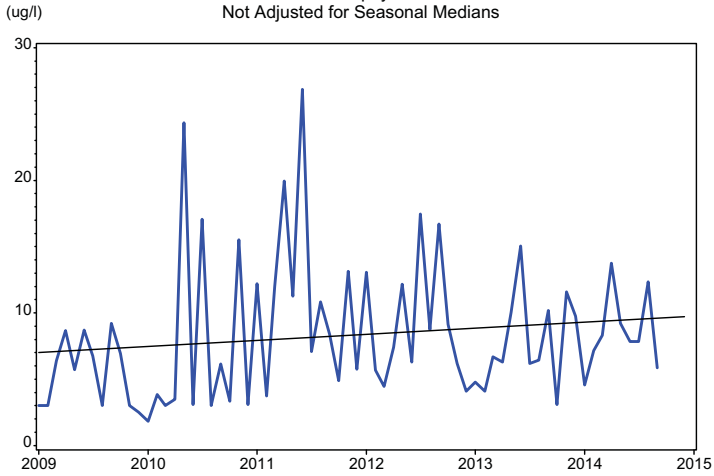
Golden Gate Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.059	0.204	0.408	-0.408
2	-0.004	0.204	0.409	-0.409
3	0.126	0.204	0.409	-0.409
4	-0.097	0.205	0.411	-0.411
5	-0.065	0.206	0.412	-0.412
6	-0.076	0.206	0.413	-0.413
7	-0.056	0.207	0.414	-0.414
8	-0.072	0.207	0.414	-0.414
9	-0.101	0.207	0.415	-0.415
10	-0.019	0.208	0.416	-0.416
11	-0.102	0.208	0.416	-0.416
12	-0.123	0.209	0.417	-0.417
13	0.206	0.210	0.419	-0.419
14	0.006	0.213	0.425	-0.425
15	-0.035	0.213	0.425	-0.425

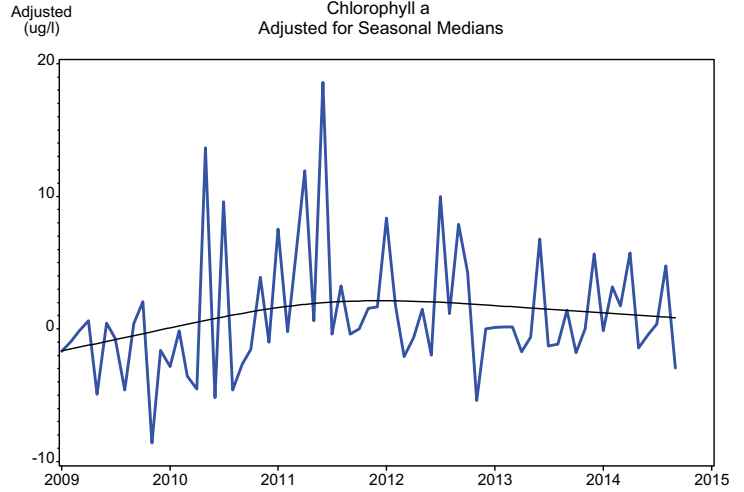
Golden Gate Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



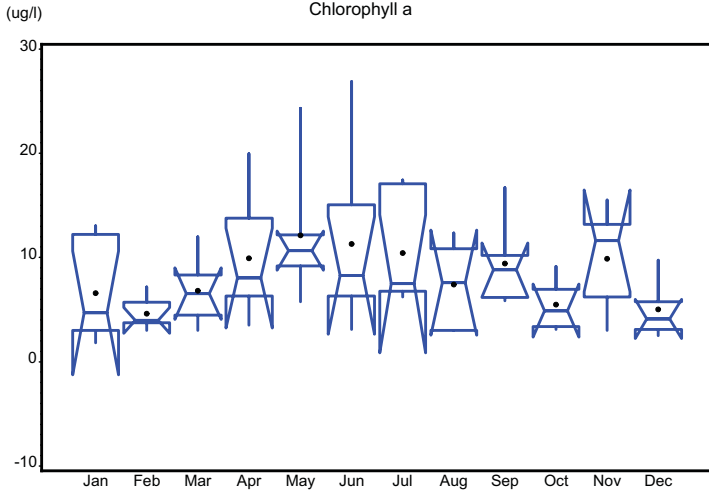
Gordon Marine Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



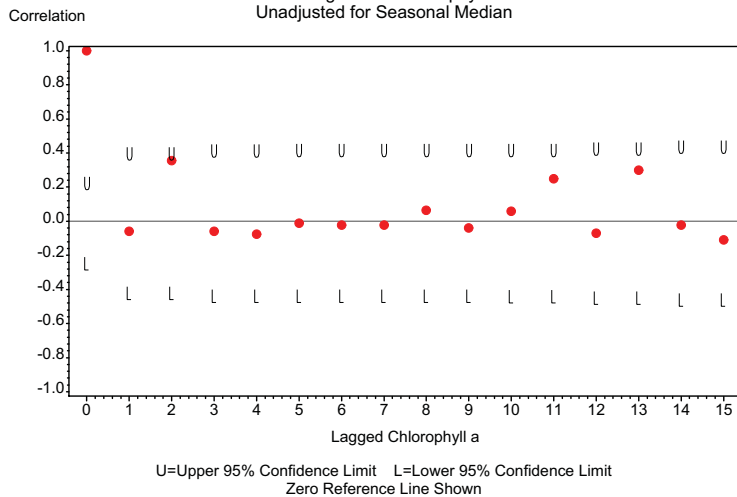
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Gordon Marine Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.059	0.204	0.408	-0.408
2	0.356	0.204	0.409	-0.409
3	-0.059	0.213	0.426	-0.426
4	-0.076	0.213	0.426	-0.426
5	-0.011	0.213	0.427	-0.427
6	-0.022	0.213	0.427	-0.427
7	-0.024	0.213	0.427	-0.427
8	0.064	0.213	0.427	-0.427
9	-0.039	0.214	0.427	-0.427
10	0.059	0.214	0.428	-0.428
11	0.250	0.214	0.428	-0.428
12	-0.070	0.218	0.436	-0.436
13	0.300	0.218	0.437	-0.437
14	-0.023	0.224	0.448	-0.448
15	-0.110	0.224	0.448	-0.448

Gordon Marine Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



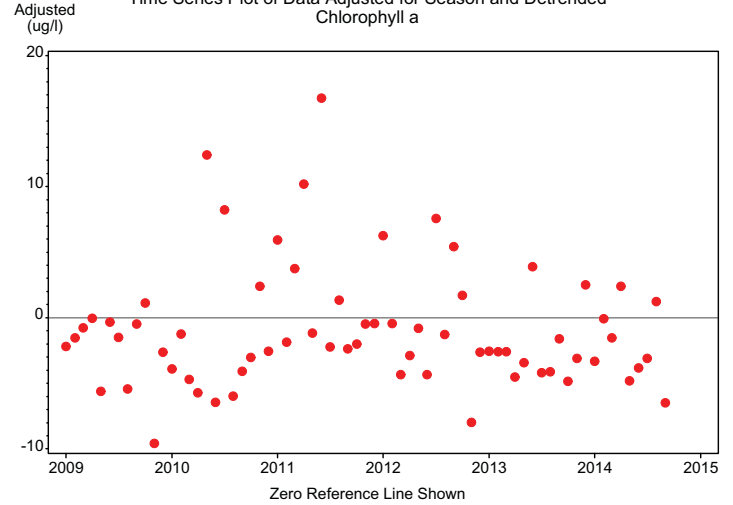
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.194	0.075	0.24	0.533

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.19394	0.075409	0.23975	0.53333

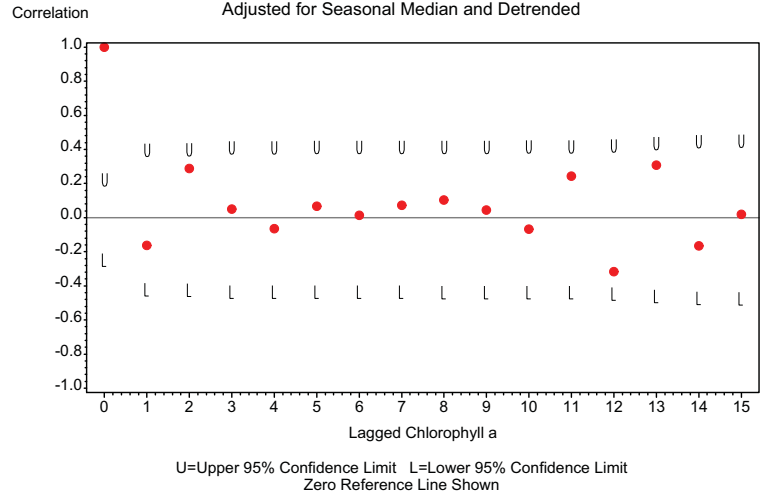
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



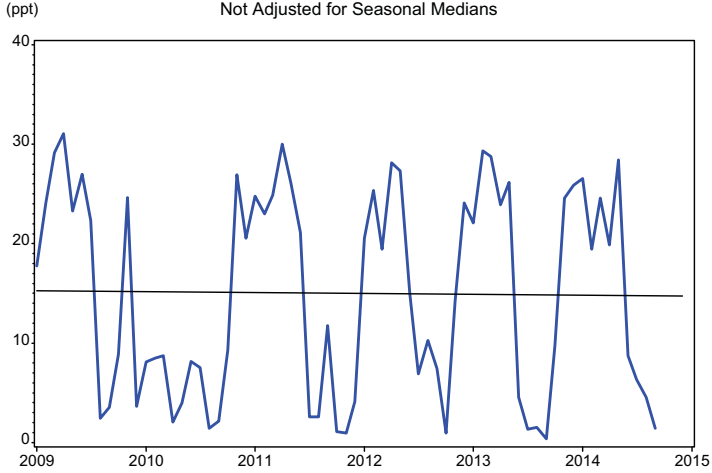
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.164	0.204	0.408	-0.408
2	0.287	0.206	0.412	-0.412
3	0.049	0.211	0.423	-0.423
4	-0.065	0.212	0.423	-0.423
5	0.068	0.212	0.424	-0.424
6	0.014	0.212	0.424	-0.424
7	0.072	0.212	0.424	-0.424
8	0.103	0.213	0.425	-0.425
9	0.045	0.213	0.426	-0.426
10	-0.067	0.213	0.427	-0.427
11	0.244	0.214	0.427	-0.427
12	-0.316	0.217	0.435	-0.435
13	0.307	0.224	0.448	-0.448
14	-0.167	0.230	0.459	-0.459
15	0.020	0.231	0.462	-0.462

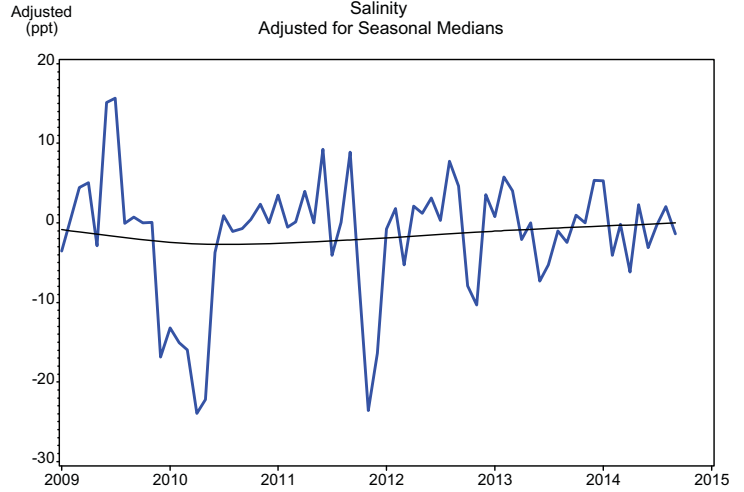
Gordon Marine Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



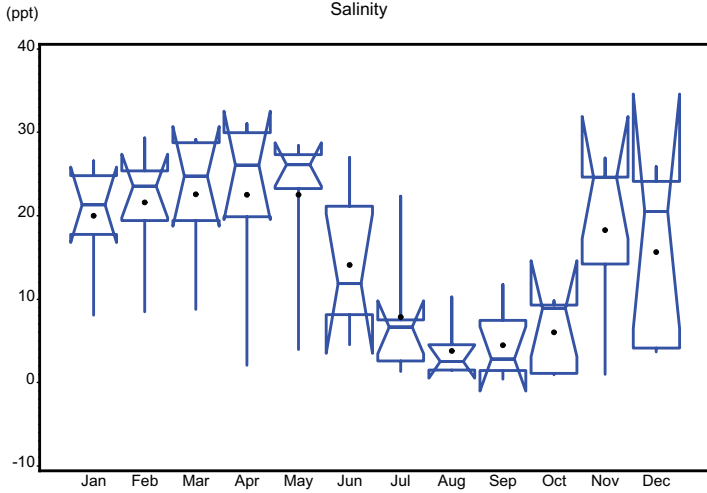
Gordon Marine Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



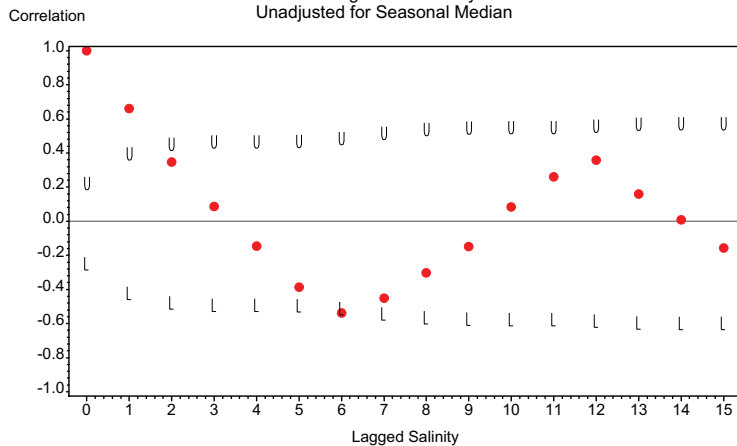
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Salinity



Gordon Marine Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.661	0.204	0.408	-0.408
2	0.348	0.232	0.464	-0.464
3	0.085	0.239	0.478	-0.478
4	-0.145	0.240	0.479	-0.479
5	-0.387	0.241	0.481	-0.481
6	-0.538	0.249	0.498	-0.498
7	-0.452	0.265	0.530	-0.530
8	-0.303	0.275	0.551	-0.551
9	-0.150	0.280	0.560	-0.560
10	0.083	0.281	0.562	-0.562
11	0.261	0.281	0.563	-0.563
12	0.359	0.285	0.570	-0.570
13	0.159	0.291	0.582	-0.582
14	0.007	0.292	0.584	-0.584
15	-0.158	0.292	0.584	-0.584

Gordon Marine Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

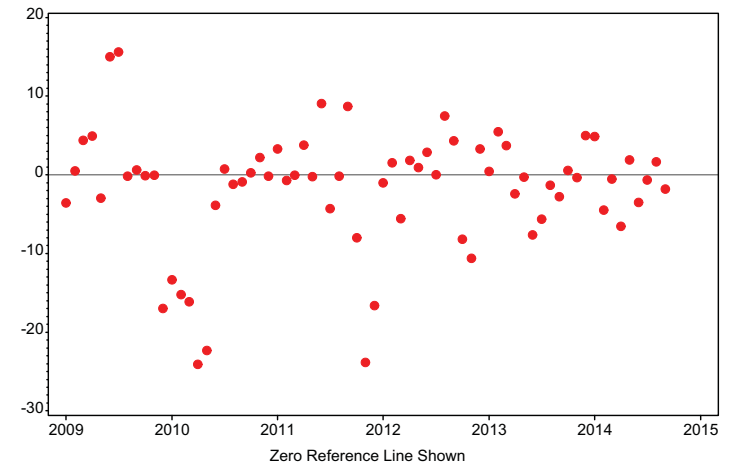
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.03	0.819	0.831	0.061

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.030303	0.81884	0.83078	0.061

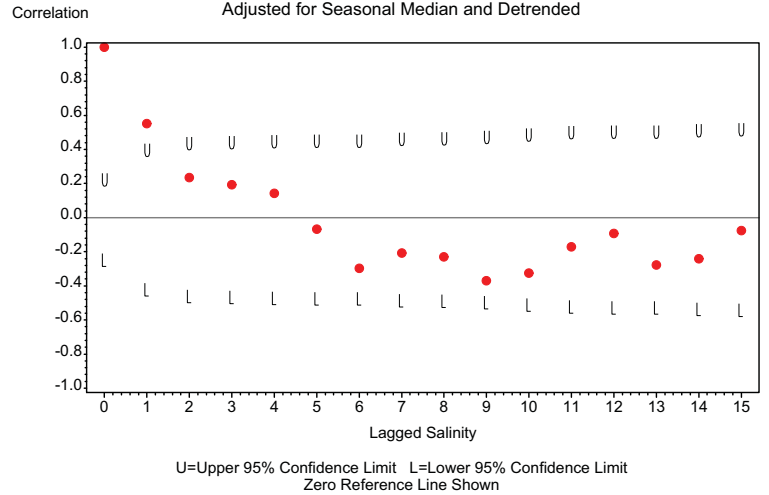
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Salinity



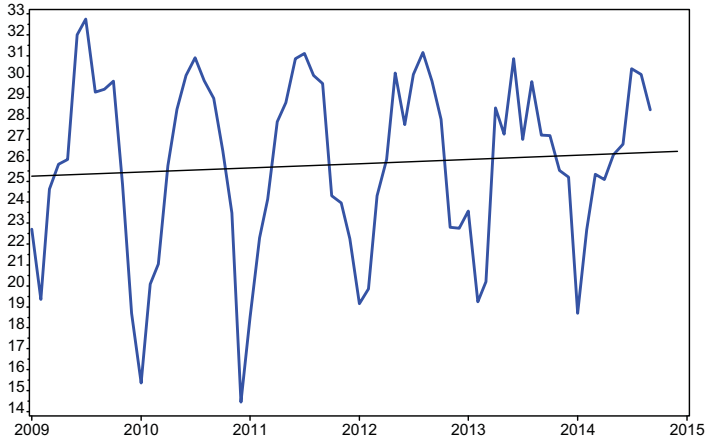
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.550	0.204	0.408	-0.408
2	0.236	0.224	0.448	-0.448
3	0.193	0.227	0.454	-0.454
4	0.141	0.229	0.459	-0.459
5	-0.069	0.231	0.461	-0.461
6	-0.297	0.231	0.462	-0.462
7	-0.208	0.236	0.472	-0.472
8	-0.229	0.239	0.477	-0.477
9	-0.369	0.242	0.484	-0.484
10	-0.325	0.249	0.499	-0.499
11	-0.170	0.255	0.511	-0.511
12	-0.094	0.257	0.514	-0.514
13	-0.277	0.257	0.515	-0.515
14	-0.242	0.261	0.523	-0.523
15	-0.077	0.265	0.529	-0.529

Gordon Marine Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



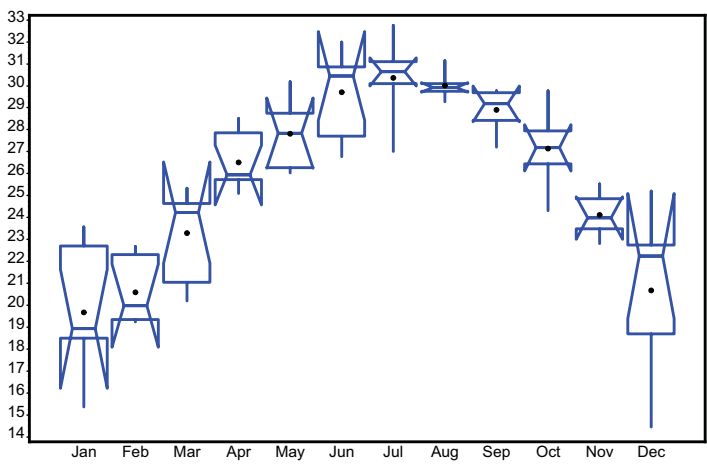
Gordon Marine Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



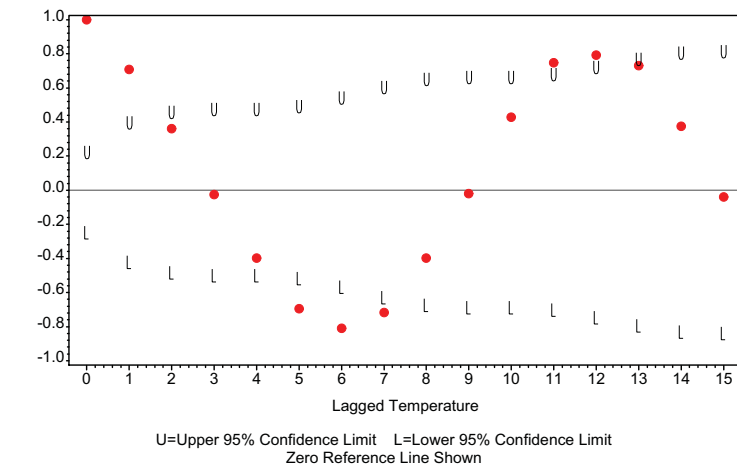
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Temperature



Gordon Marine Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.236	0.236	-0.236
1	0.707	0.204	0.408	-0.408
2	0.361	0.236	0.471	-0.471
3	-0.025	0.243	0.486	-0.486
4	-0.398	0.243	0.487	-0.487
5	-0.696	0.252	0.504	-0.504
6	-0.811	0.278	0.555	-0.555
7	-0.716	0.309	0.617	-0.617
8	-0.398	0.331	0.662	-0.662
9	-0.019	0.338	0.675	-0.675
10	0.428	0.338	0.675	-0.675
11	0.747	0.345	0.690	-0.690
12	0.791	0.367	0.734	-0.734
13	0.729	0.390	0.780	-0.780
14	0.375	0.408	0.817	-0.817
15	-0.039	0.413	0.826	-0.826

Gordon Marine Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



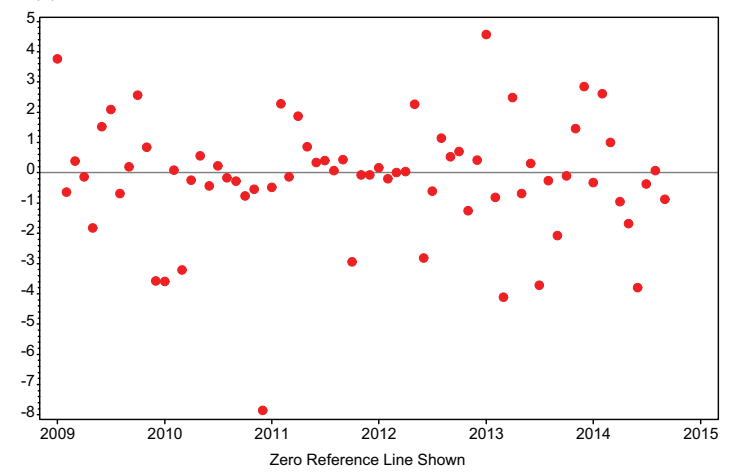
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012	0.954	0.953	0.017

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012121	0.95426	0.95252	0.016667

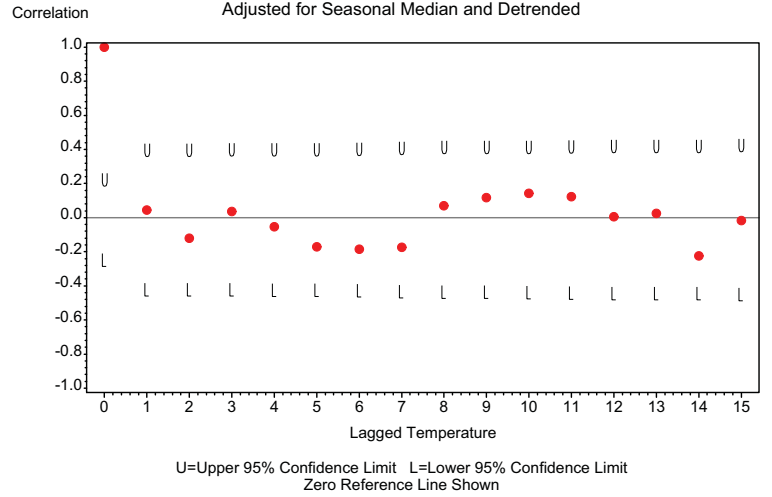
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



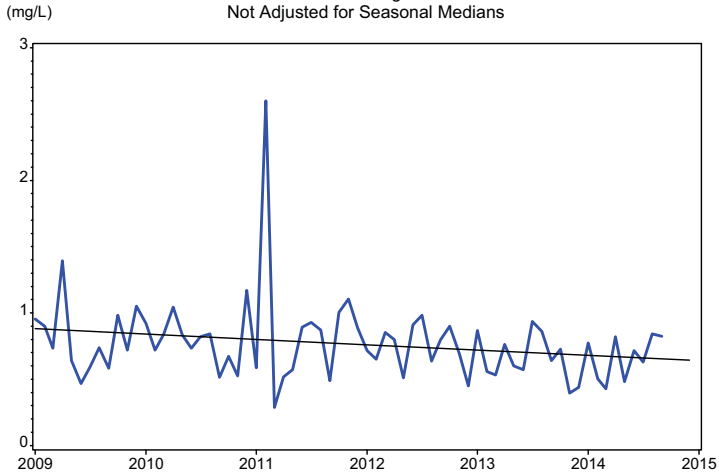
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.043	0.204	0.408	-0.408
2	-0.121	0.204	0.408	-0.408
3	0.037	0.205	0.410	-0.410
4	-0.055	0.205	0.411	-0.411
5	-0.171	0.206	0.411	-0.411
6	-0.186	0.208	0.415	-0.415
7	-0.173	0.210	0.420	-0.420
8	0.069	0.212	0.424	-0.424
9	0.116	0.212	0.424	-0.424
10	0.141	0.213	0.426	-0.426
11	0.124	0.214	0.429	-0.429
12	0.005	0.215	0.430	-0.430
13	0.024	0.215	0.430	-0.430
14	-0.224	0.215	0.431	-0.431
15	-0.016	0.218	0.437	-0.437

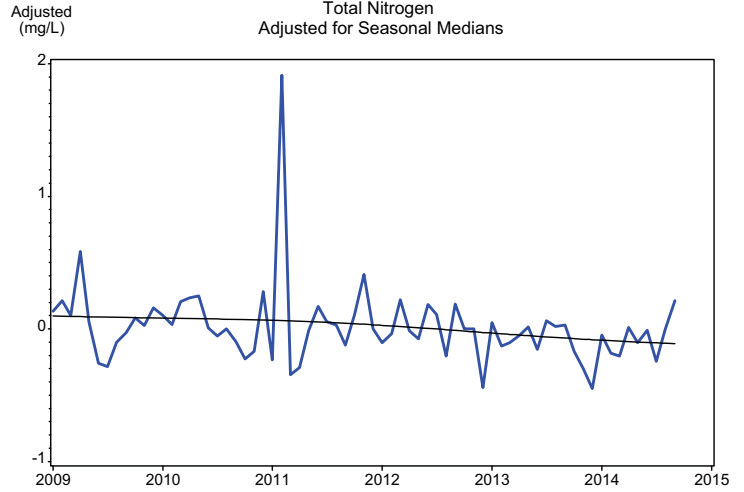
Gordon Marine Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



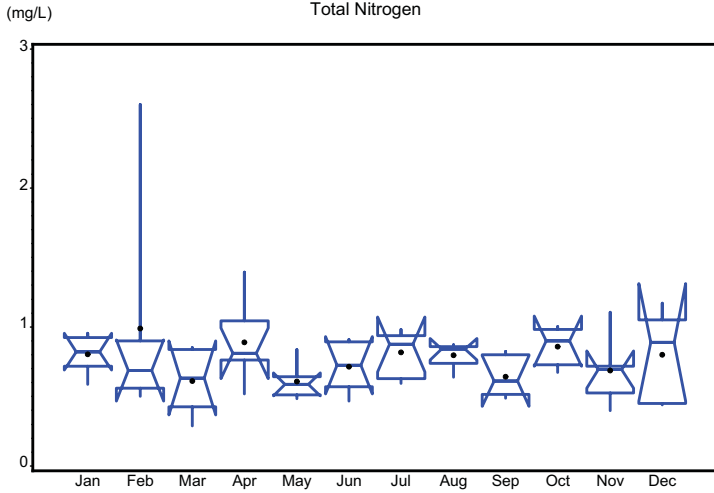
Gordon Marine Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



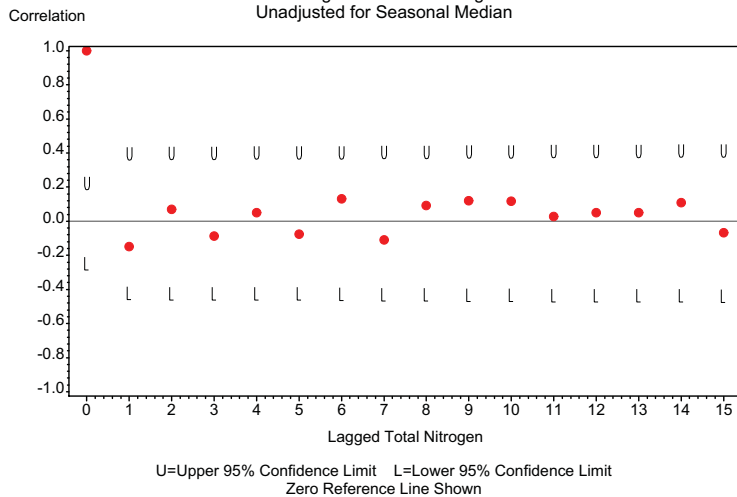
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Gordon Marine Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.150	0.204	0.408	-0.408
2	0.070	0.206	0.411	-0.411
3	-0.086	0.206	0.412	-0.412
4	0.051	0.206	0.413	-0.413
5	-0.076	0.207	0.413	-0.413
6	0.130	0.207	0.414	-0.414
7	-0.110	0.208	0.416	-0.416
8	0.091	0.209	0.418	-0.418
9	0.120	0.210	0.419	-0.419
10	0.118	0.210	0.421	-0.421
11	0.027	0.211	0.423	-0.423
12	0.049	0.211	0.423	-0.423
13	0.050	0.212	0.423	-0.423
14	0.109	0.212	0.424	-0.424
15	-0.068	0.213	0.425	-0.425

Gordon Marine Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



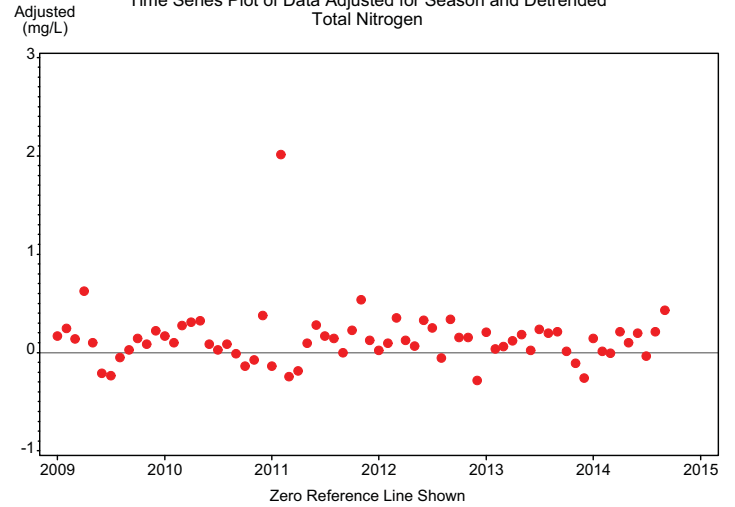
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.182	0.096	0.038	-0.032

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.18182	0.096260	0.038319	-0.032

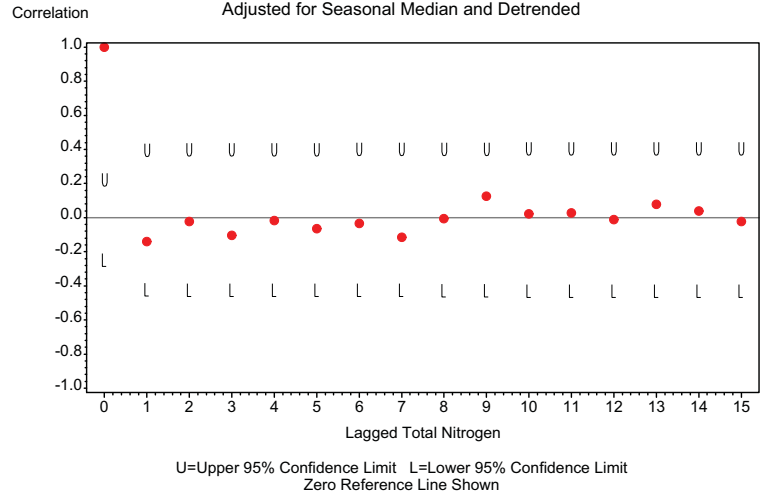
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



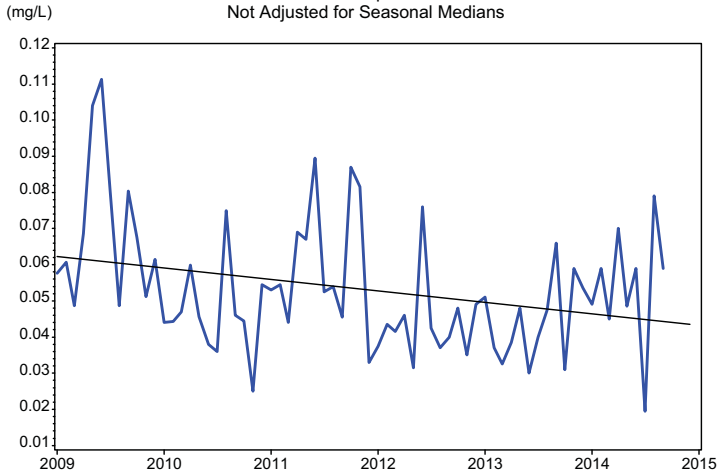
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.140	0.204	0.408	-0.408
2	-0.022	0.205	0.411	-0.411
3	-0.103	0.205	0.411	-0.411
4	-0.017	0.206	0.412	-0.412
5	-0.064	0.206	0.412	-0.412
6	-0.034	0.206	0.413	-0.413
7	-0.114	0.207	0.413	-0.413
8	-0.006	0.207	0.415	-0.415
9	0.126	0.207	0.415	-0.415
10	0.023	0.209	0.417	-0.417
11	0.027	0.209	0.417	-0.417
12	-0.012	0.209	0.417	-0.417
13	0.077	0.209	0.417	-0.417
14	0.040	0.209	0.418	-0.418
15	-0.022	0.209	0.418	-0.418

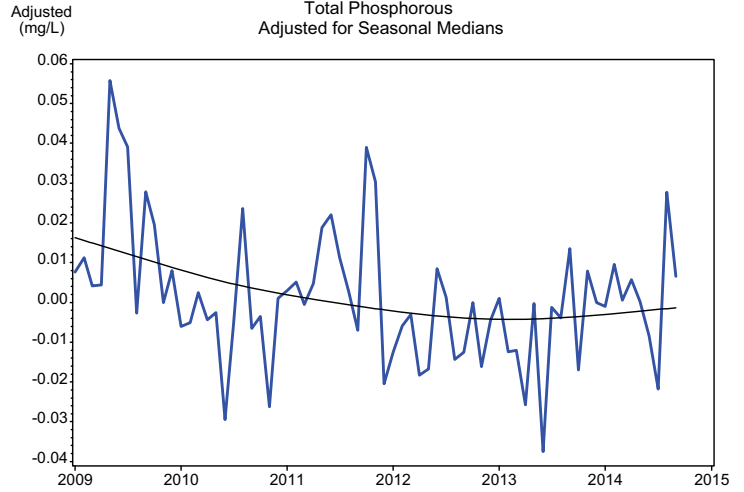
Gordon Marine Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



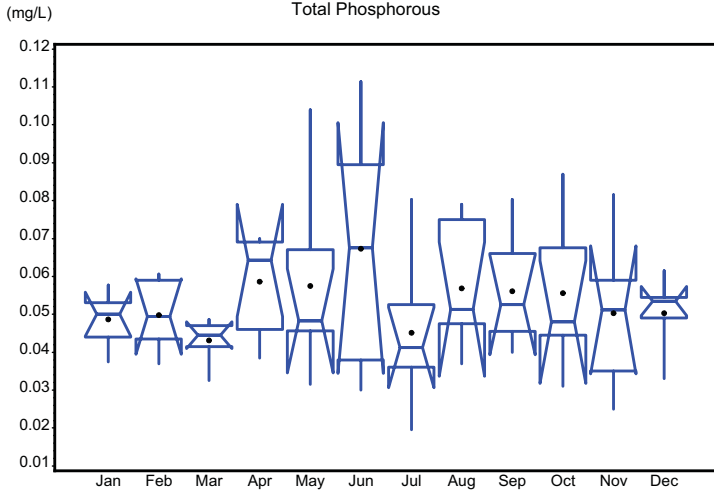
Gordon Marine Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



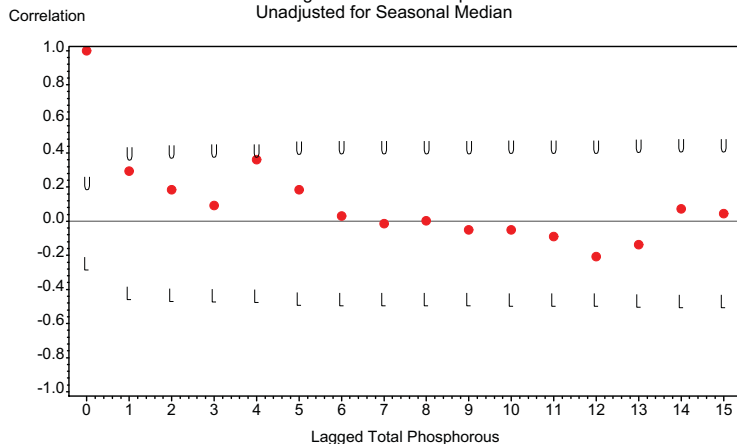
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Gordon Marine Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.293	0.204	0.408	-0.408
2	0.184	0.210	0.420	-0.420
3	0.092	0.212	0.424	-0.424
4	0.361	0.213	0.425	-0.425
5	0.183	0.221	0.442	-0.442
6	0.030	0.223	0.446	-0.446
7	-0.014	0.223	0.446	-0.446
8	0.003	0.223	0.446	-0.446
9	-0.050	0.223	0.446	-0.446
10	-0.051	0.223	0.447	-0.447
11	-0.089	0.224	0.447	-0.447
12	-0.208	0.224	0.448	-0.448
13	-0.137	0.227	0.453	-0.453
14	0.072	0.228	0.456	-0.456
15	0.043	0.228	0.456	-0.456

Gordon Marine Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



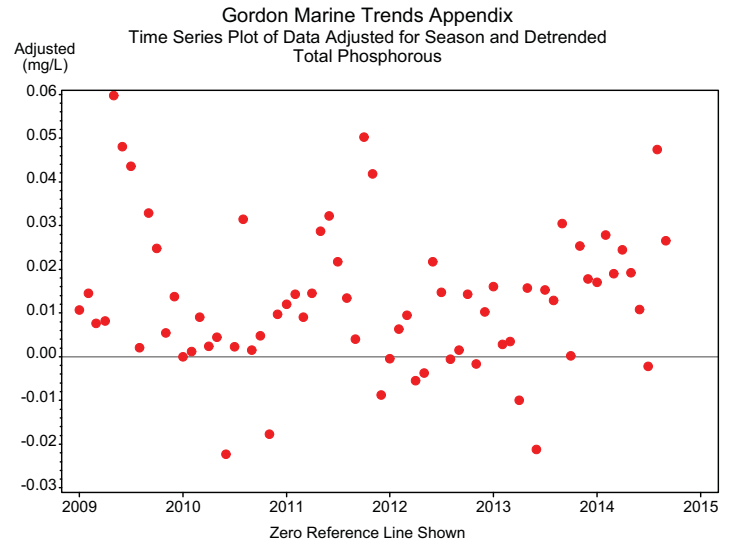
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.279	0.01	0.242	-0.003

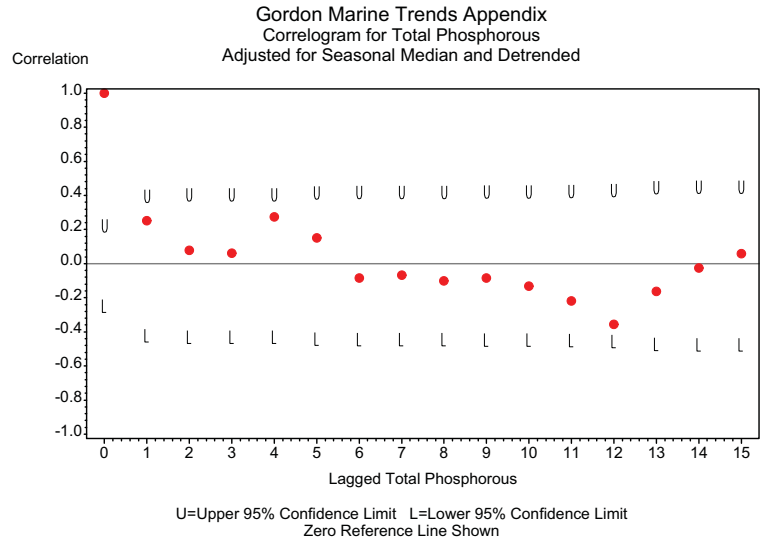
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.28485	.00822623	0.22752	-.003

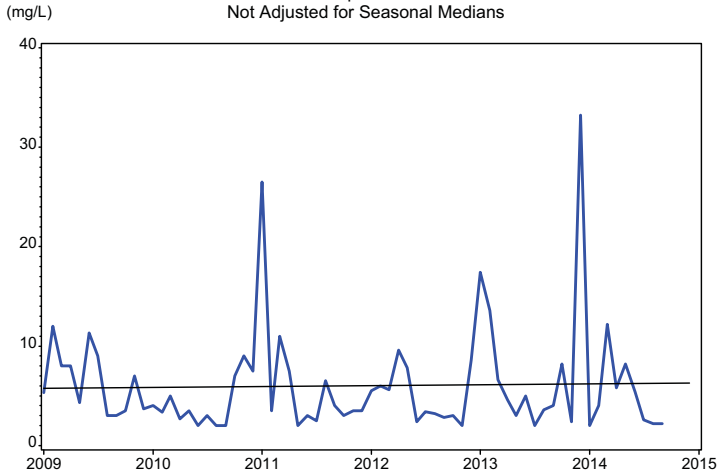


Gordon Marine Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

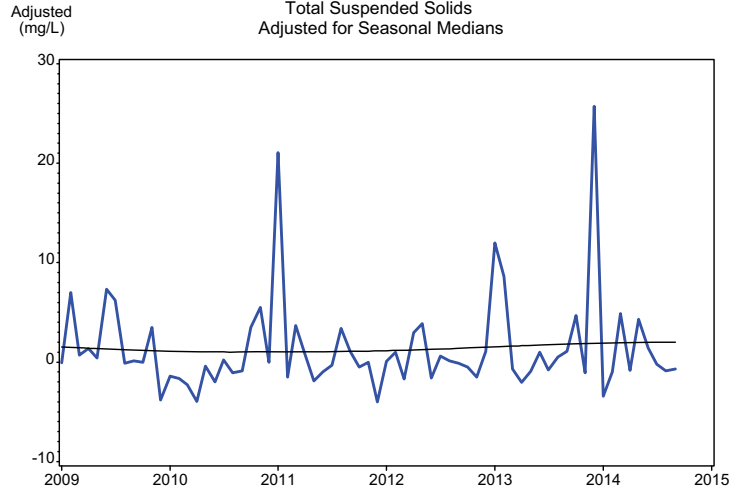
Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.251	0.204	0.408	-0.408
2	0.078	0.208	0.417	-0.417
3	0.062	0.209	0.418	-0.418
4	0.274	0.209	0.418	-0.418
5	0.151	0.214	0.428	-0.428
6	-0.084	0.215	0.431	-0.431
7	-0.068	0.216	0.432	-0.432
8	-0.102	0.216	0.432	-0.432
9	-0.085	0.217	0.434	-0.434
10	-0.133	0.217	0.435	-0.435
11	-0.219	0.218	0.437	-0.437
12	-0.355	0.222	0.443	-0.443
13	-0.163	0.229	0.459	-0.459
14	-0.026	0.231	0.462	-0.462
15	0.058	0.231	0.462	-0.462



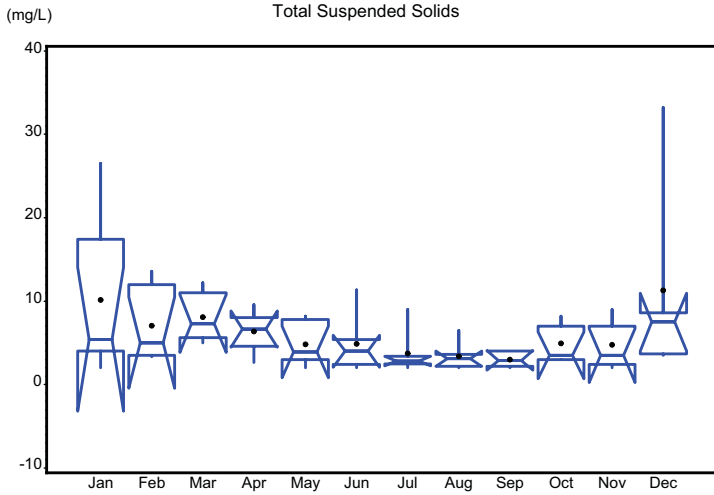
Gordon Marine Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



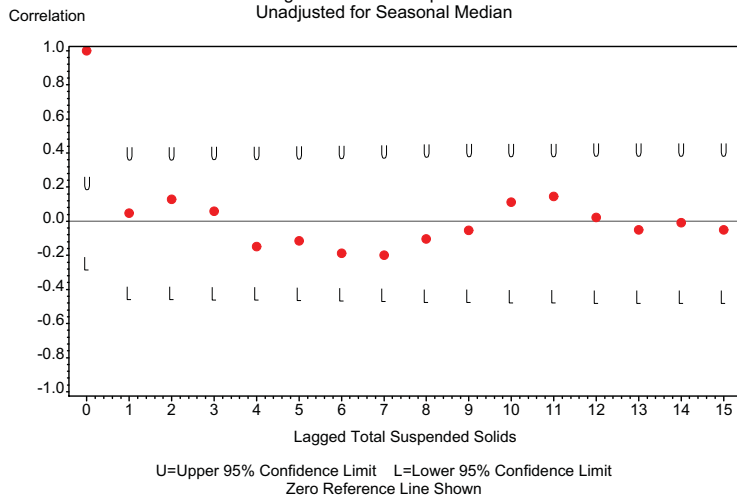
Gordon Marine Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Gordon Marine Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.047	0.204	0.408	-0.408
2	0.128	0.204	0.409	-0.409
3	0.059	0.205	0.411	-0.411
4	-0.149	0.206	0.411	-0.411
5	-0.114	0.207	0.414	-0.414
6	-0.188	0.208	0.416	-0.416
7	-0.198	0.210	0.421	-0.421
8	-0.104	0.213	0.426	-0.426
9	-0.055	0.214	0.427	-0.427
10	0.112	0.214	0.428	-0.428
11	0.145	0.215	0.429	-0.429
12	0.022	0.216	0.432	-0.432
13	-0.051	0.216	0.432	-0.432
14	-0.010	0.216	0.432	-0.432
15	-0.050	0.216	0.432	-0.432

Gordon Marine Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



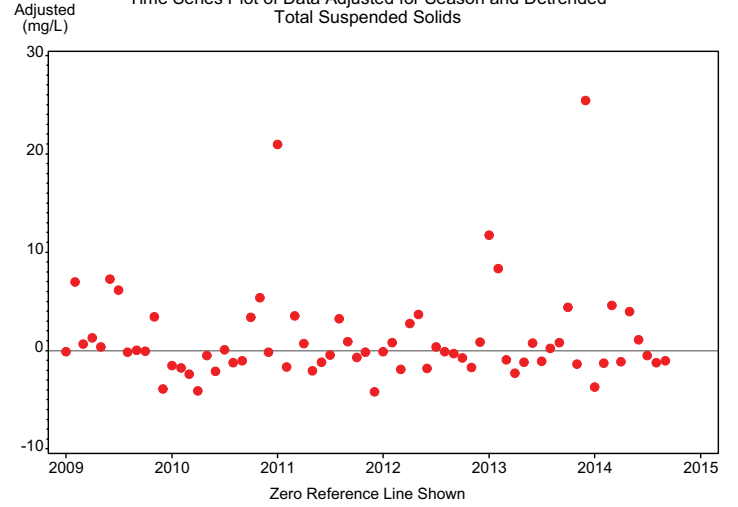
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042	0.73	0.78	0.05

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042424	0.73033	0.77990	0.05

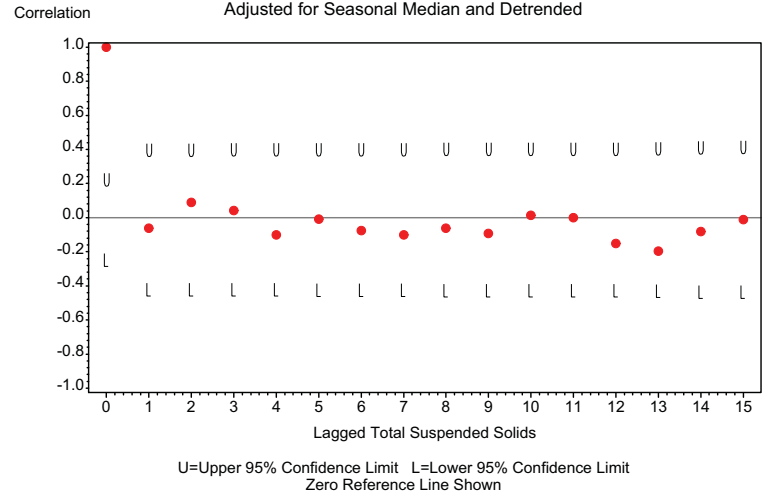
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



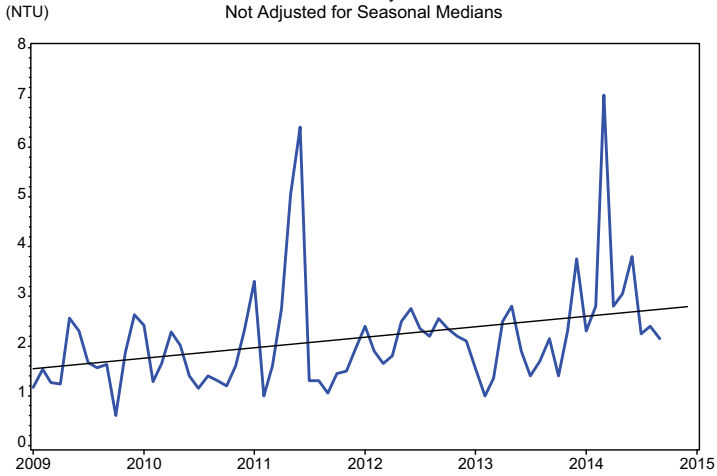
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.061	0.204	0.408	-0.408
2	0.090	0.204	0.409	-0.409
3	0.042	0.205	0.410	-0.410
4	-0.101	0.205	0.410	-0.410
5	-0.010	0.206	0.411	-0.411
6	-0.075	0.206	0.411	-0.411
7	-0.101	0.206	0.412	-0.412
8	-0.062	0.207	0.414	-0.414
9	-0.093	0.207	0.414	-0.414
10	0.014	0.208	0.415	-0.415
11	0.000	0.208	0.415	-0.415
12	-0.151	0.208	0.415	-0.415
13	-0.196	0.209	0.418	-0.418
14	-0.083	0.212	0.423	-0.423
15	-0.011	0.212	0.424	-0.424

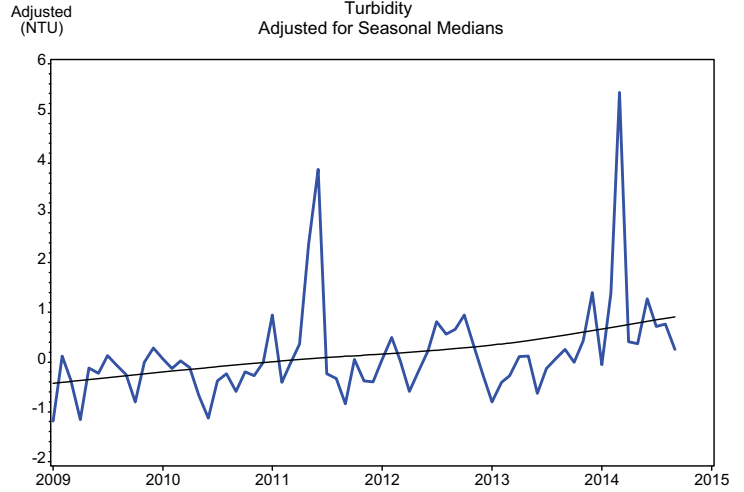
Gordon Marine Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



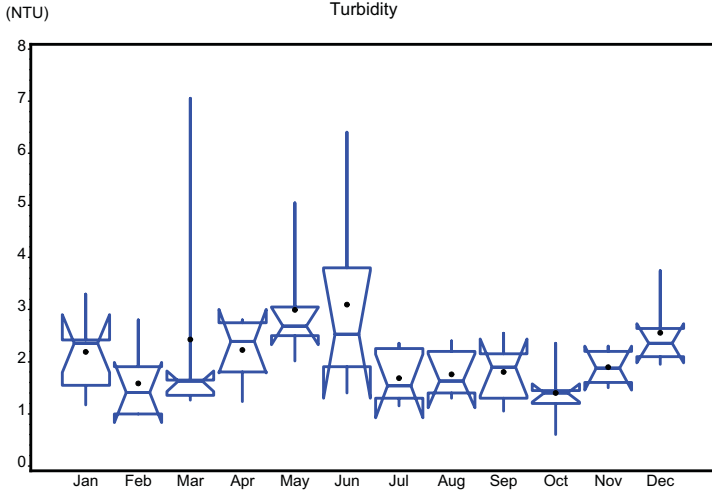
Gordon Marine Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



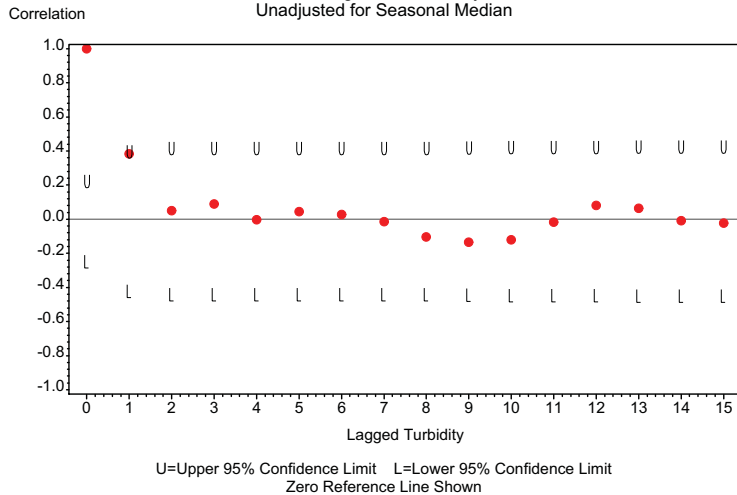
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Turbidity



Gordon Marine Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.383	0.204	0.408	-0.408
2	0.051	0.214	0.428	-0.428
3	0.088	0.214	0.428	-0.428
4	-0.002	0.215	0.429	-0.429
5	0.044	0.215	0.429	-0.429
6	0.027	0.215	0.429	-0.429
7	-0.014	0.215	0.429	-0.429
8	-0.103	0.215	0.429	-0.429
9	-0.135	0.215	0.431	-0.431
10	-0.120	0.217	0.433	-0.433
11	-0.018	0.218	0.435	-0.435
12	0.082	0.218	0.435	-0.435
13	0.064	0.218	0.436	-0.436
14	-0.008	0.218	0.436	-0.436
15	-0.024	0.218	0.436	-0.436

Gordon Marine Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median

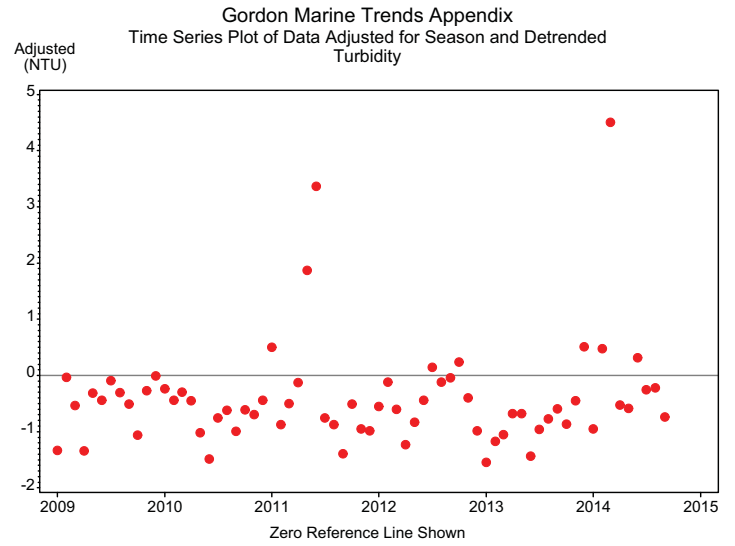


Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.303	.005	0.091	0.15

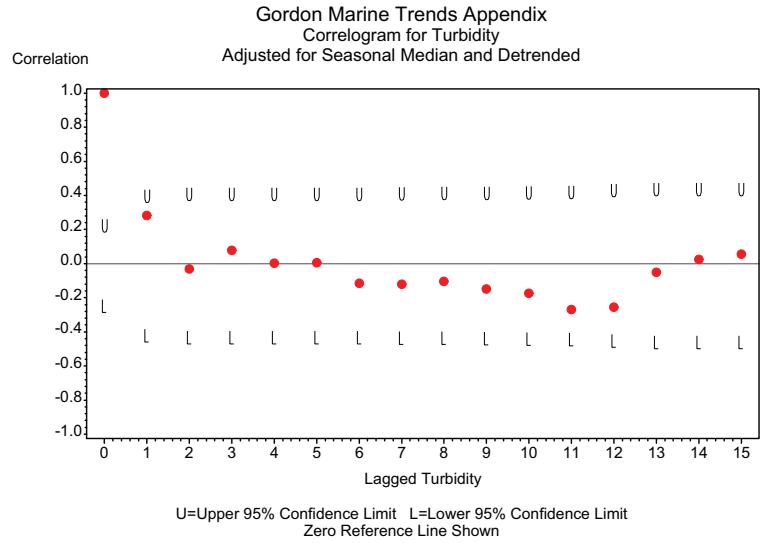
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.30303	.00480759	0.091415	0.15

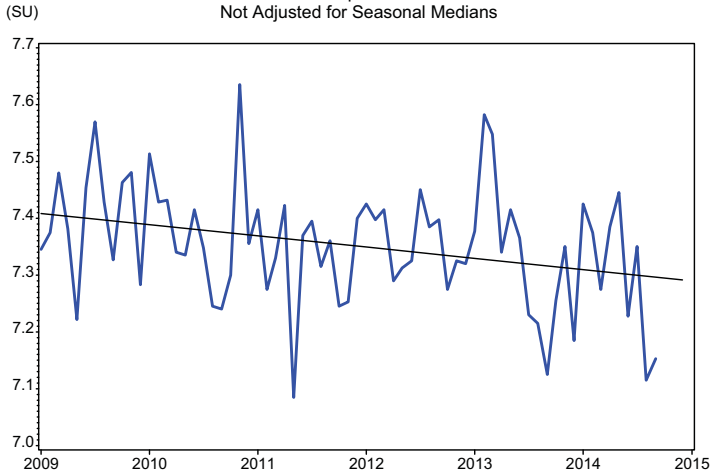


Gordon Marine Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

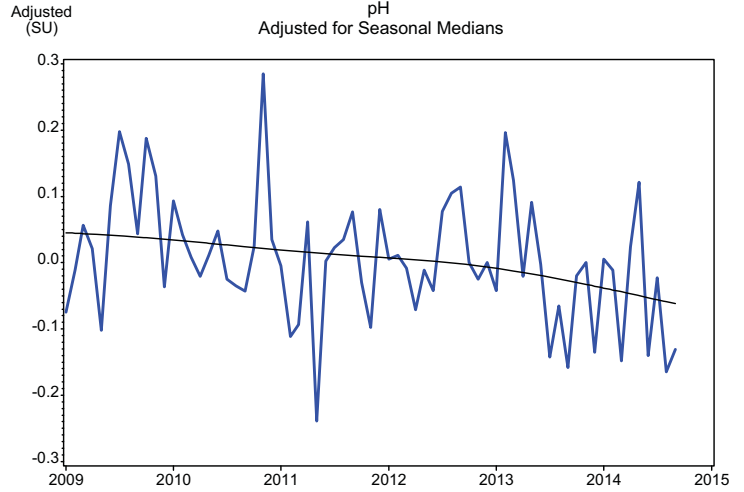
Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.282	0.204	0.408	-0.408
2	-0.032	0.209	0.419	-0.419
3	0.078	0.210	0.419	-0.419
4	0.001	0.210	0.420	-0.420
5	0.004	0.210	0.420	-0.420
6	-0.115	0.210	0.420	-0.420
7	-0.122	0.211	0.422	-0.422
8	-0.104	0.212	0.424	-0.424
9	-0.148	0.212	0.425	-0.425
10	-0.173	0.214	0.428	-0.428
11	-0.268	0.216	0.432	-0.432
12	-0.255	0.220	0.441	-0.441
13	-0.052	0.224	0.449	-0.449
14	0.025	0.225	0.449	-0.449
15	0.055	0.225	0.449	-0.449



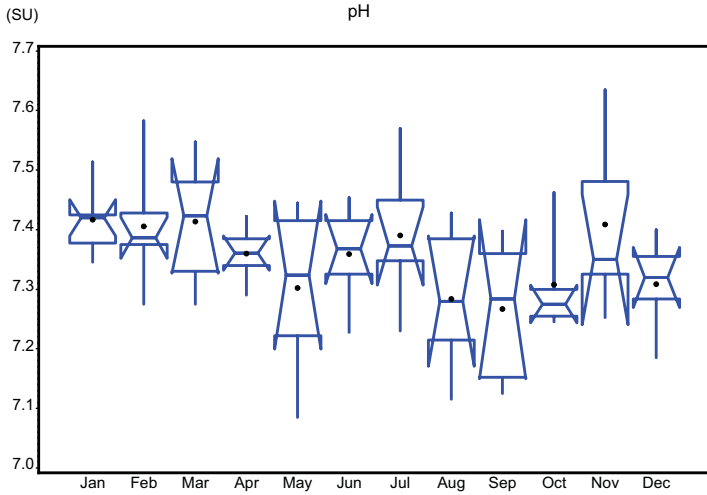
Gordon Marine Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



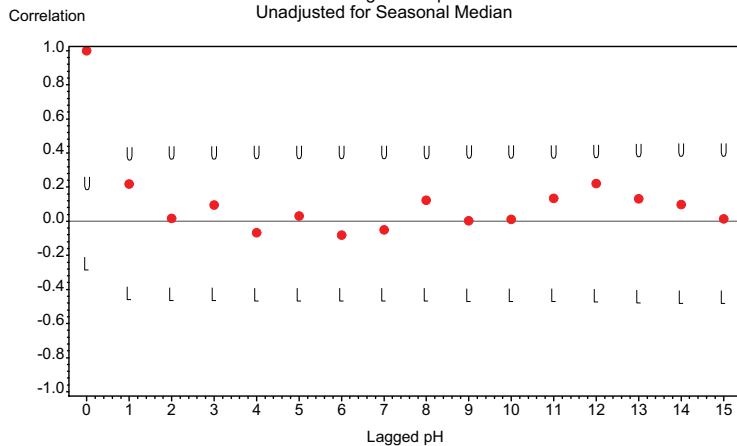
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
pH



Gordon Marine Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.217	0.204	0.408	-0.408
2	0.017	0.207	0.415	-0.415
3	0.096	0.207	0.415	-0.415
4	-0.068	0.208	0.416	-0.416
5	0.030	0.208	0.417	-0.417
6	-0.082	0.208	0.417	-0.417
7	-0.051	0.209	0.418	-0.418
8	0.122	0.209	0.418	-0.418
9	0.001	0.210	0.420	-0.420
10	0.012	0.210	0.420	-0.420
11	0.134	0.210	0.420	-0.420
12	0.221	0.211	0.422	-0.422
13	0.131	0.214	0.429	-0.429
14	0.098	0.215	0.431	-0.431
15	0.014	0.216	0.432	-0.432

Gordon Marine Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

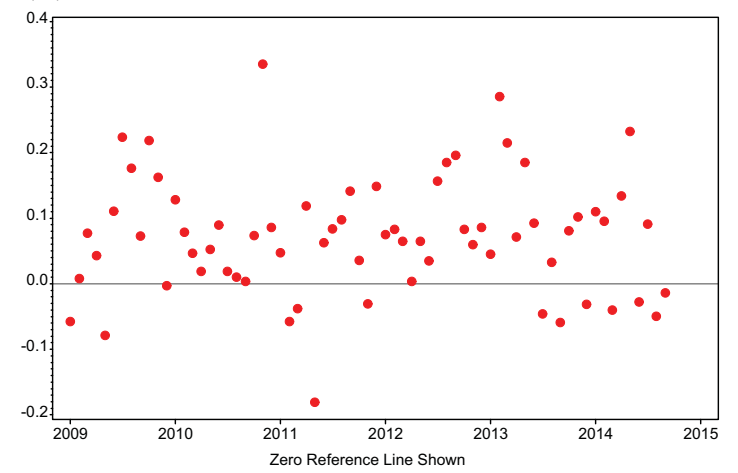
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.194	0.074	0.073	-0.017

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.19394	0.074448	0.072529	-0.0175

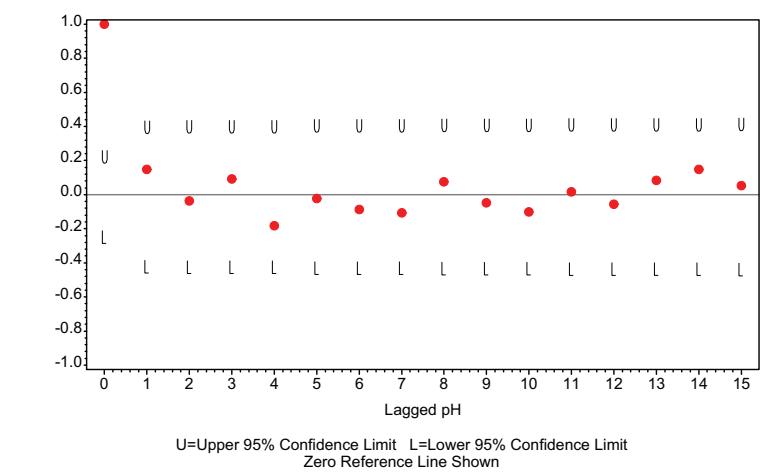
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



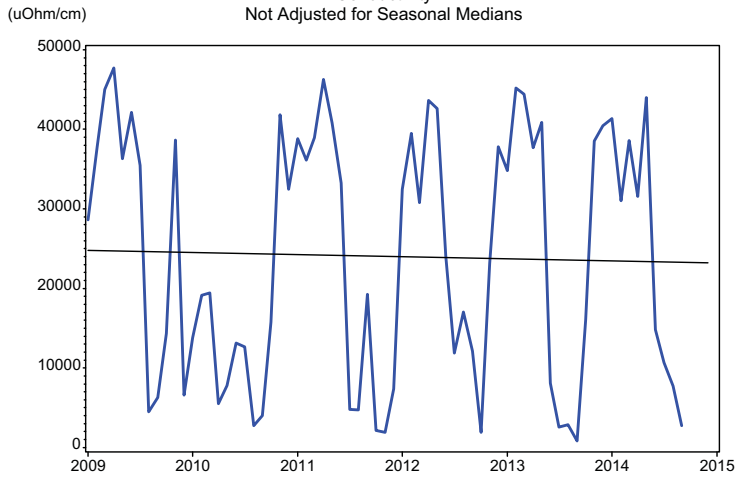
Gordon Marine Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.147	0.204	0.408	-0.408
2	-0.038	0.206	0.411	-0.411
3	0.091	0.206	0.411	-0.411
4	-0.182	0.206	0.412	-0.412
5	-0.024	0.208	0.417	-0.417
6	-0.088	0.209	0.417	-0.417
7	-0.107	0.209	0.418	-0.418
8	0.076	0.210	0.420	-0.420
9	-0.049	0.210	0.420	-0.420
10	-0.102	0.210	0.421	-0.421
11	0.016	0.211	0.422	-0.422
12	-0.056	0.211	0.422	-0.422
13	0.083	0.211	0.422	-0.422
14	0.149	0.212	0.423	-0.423
15	0.054	0.213	0.426	-0.426

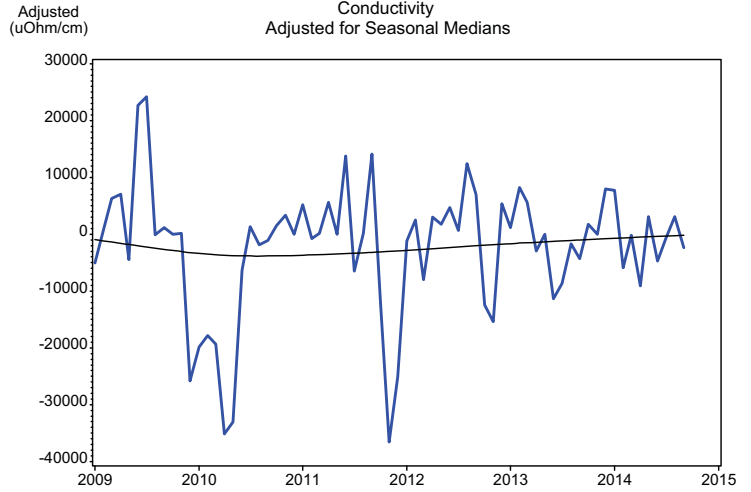
Gordon Marine Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



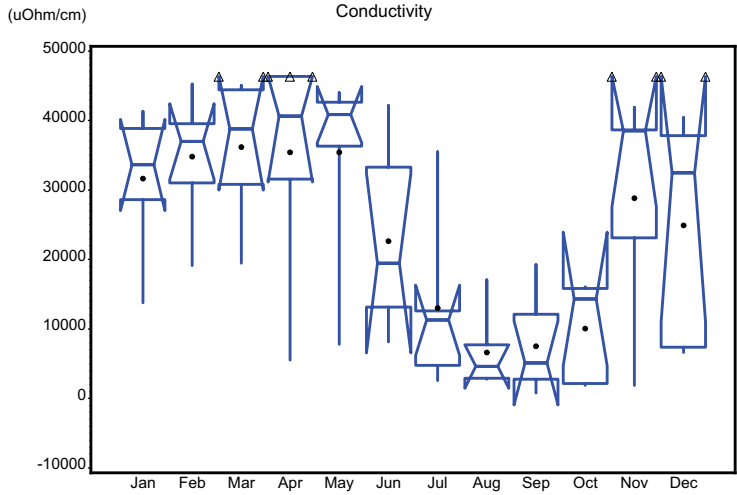
Gordon Marine Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



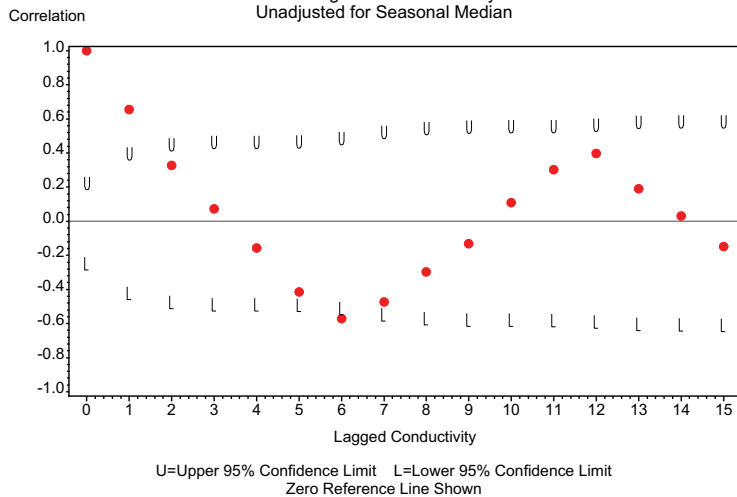
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Conductivity



Gordon Marine Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.655	0.204	0.408	-0.408
2	0.327	0.231	0.463	-0.463
3	0.072	0.238	0.476	-0.476
4	-0.157	0.238	0.476	-0.476
5	-0.415	0.240	0.479	-0.479
6	-0.572	0.249	0.499	-0.499
7	-0.473	0.267	0.534	-0.534
8	-0.297	0.278	0.557	-0.557
9	-0.131	0.283	0.565	-0.565
10	0.110	0.284	0.567	-0.567
11	0.303	0.284	0.568	-0.568
12	0.396	0.289	0.577	-0.577
13	0.189	0.296	0.592	-0.592
14	0.031	0.298	0.595	-0.595
15	-0.148	0.298	0.596	-0.596

Gordon Marine Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median

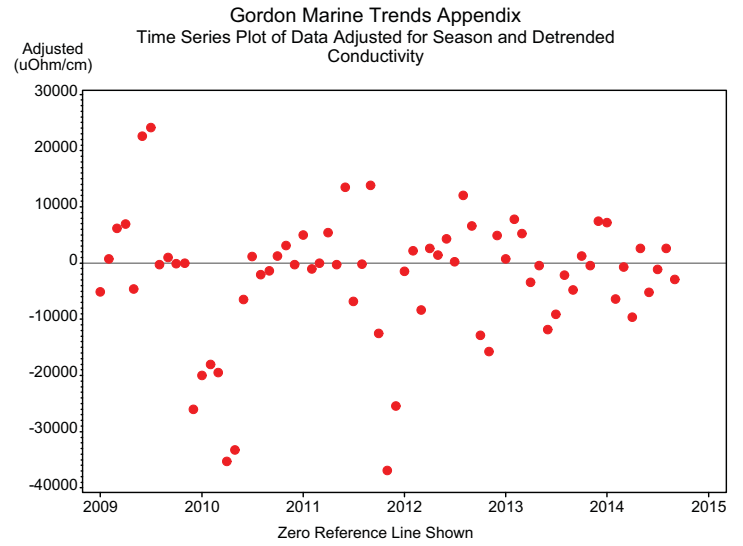


Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.03	0.819	0.831	82.25

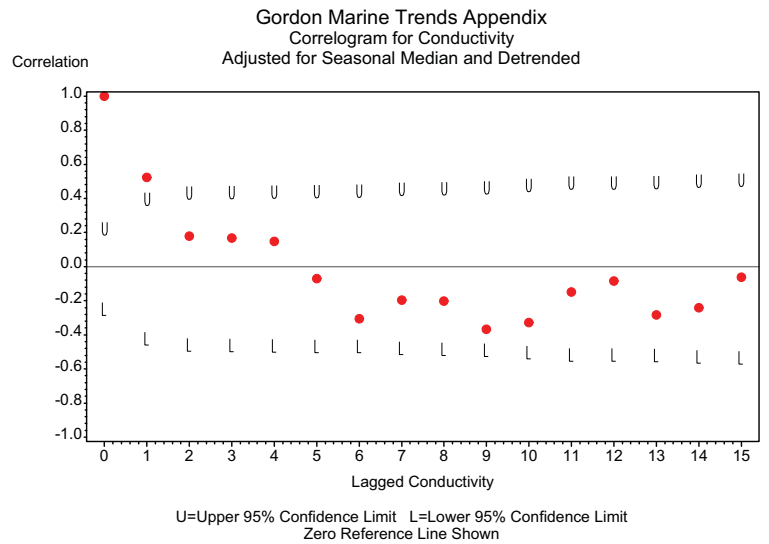
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.030303	0.81884	0.83078	82.25

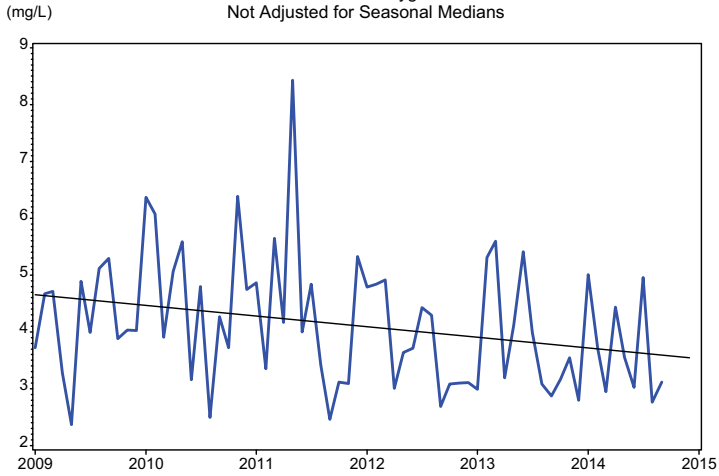


Gordon Marine Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

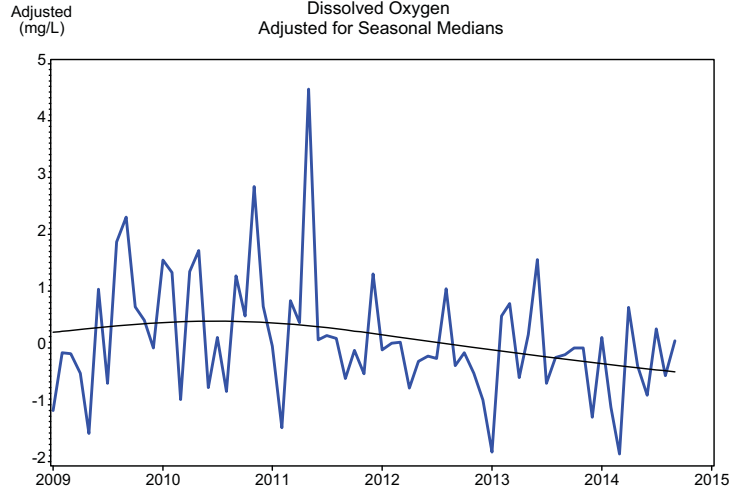
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.524	0.204	0.408	-0.408
2	0.179	0.222	0.444	-0.444
3	0.168	0.224	0.448	-0.448
4	0.148	0.226	0.451	-0.451
5	-0.070	0.227	0.454	-0.454
6	-0.306	0.227	0.455	-0.455
7	-0.197	0.233	0.466	-0.466
8	-0.202	0.235	0.471	-0.471
9	-0.366	0.238	0.475	-0.475
10	-0.327	0.245	0.491	-0.491
11	-0.150	0.251	0.503	-0.503
12	-0.084	0.253	0.505	-0.505
13	-0.282	0.253	0.506	-0.506
14	-0.240	0.257	0.515	-0.515
15	-0.062	0.260	0.521	-0.521



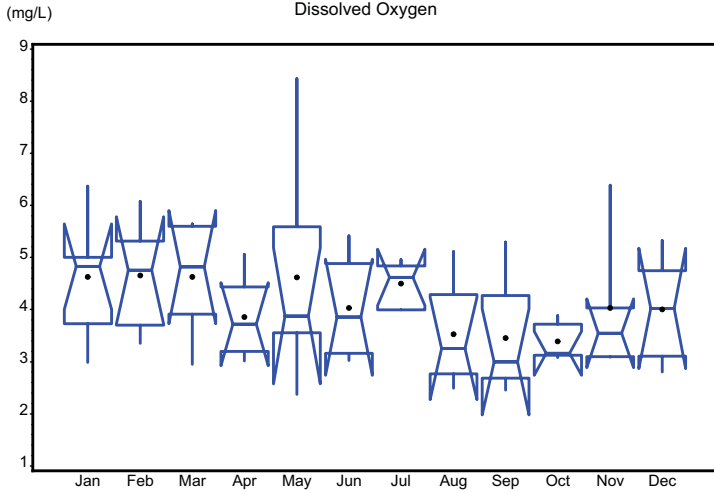
Gordon Marine Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



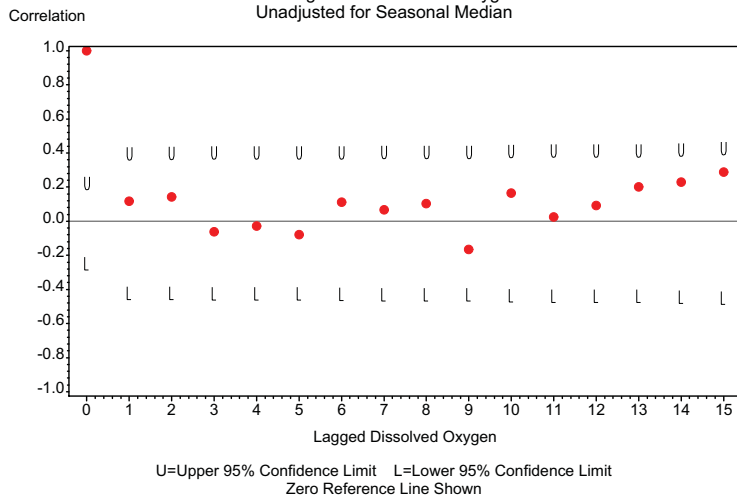
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Gordon Marine Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.117	0.204	0.408	-0.408
2	0.141	0.205	0.410	-0.410
3	-0.061	0.206	0.413	-0.413
4	-0.029	0.207	0.413	-0.413
5	-0.078	0.207	0.413	-0.413
6	0.112	0.207	0.414	-0.414
7	0.066	0.208	0.416	-0.416
8	0.104	0.208	0.416	-0.416
9	-0.166	0.209	0.418	-0.418
10	0.165	0.211	0.422	-0.422
11	0.026	0.213	0.425	-0.425
12	0.091	0.213	0.425	-0.425
13	0.201	0.213	0.426	-0.426
14	0.230	0.216	0.432	-0.432
15	0.289	0.219	0.438	-0.438

Gordon Marine Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median

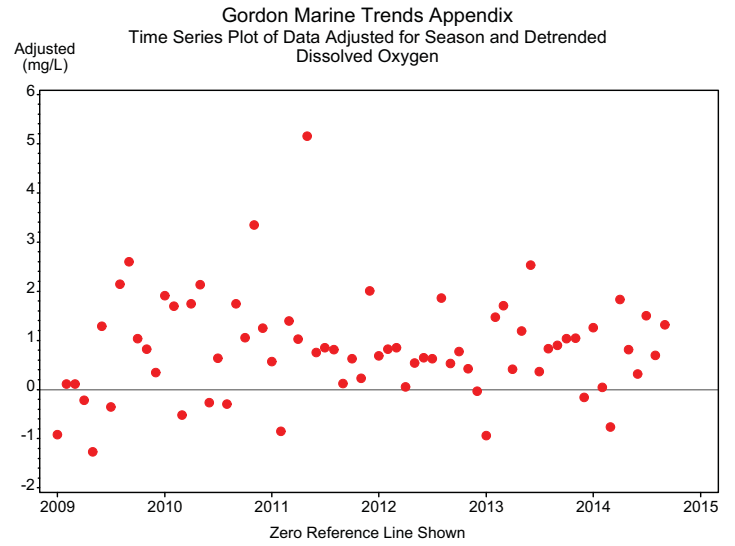


Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.152	0.169	0.165	-0.179

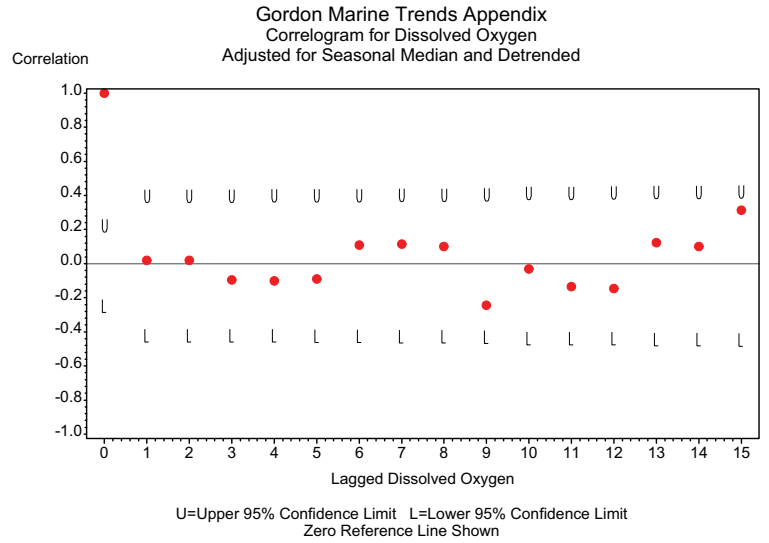
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.15152	0.16937	0.16468	-0.17925

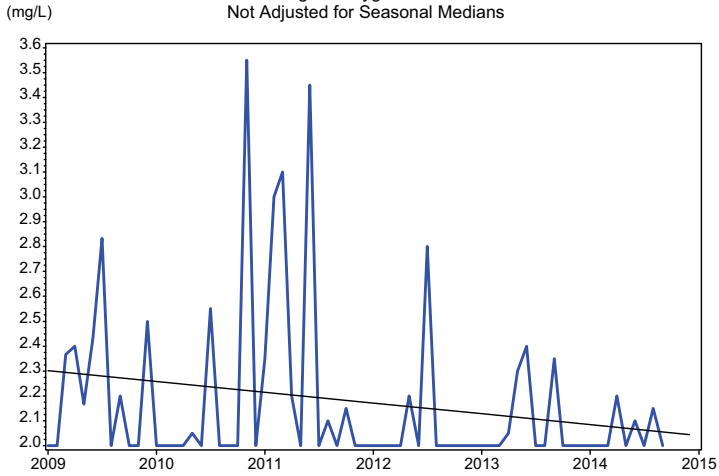


Gordon Marine Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

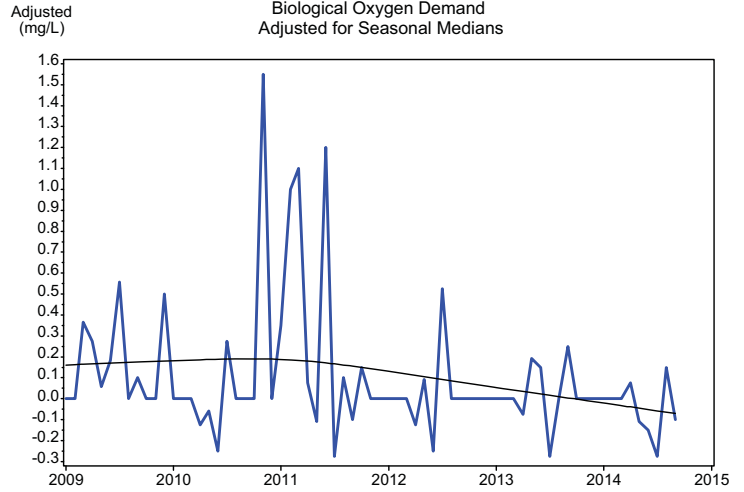
Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.020	0.204	0.408	-0.408
2	0.018	0.204	0.408	-0.408
3	-0.097	0.204	0.408	-0.408
4	-0.101	0.205	0.410	-0.410
5	-0.089	0.206	0.411	-0.411
6	0.110	0.206	0.412	-0.412
7	0.115	0.207	0.414	-0.414
8	0.100	0.208	0.415	-0.415
9	-0.244	0.208	0.417	-0.417
10	-0.031	0.212	0.425	-0.425
11	-0.136	0.212	0.425	-0.425
12	-0.147	0.214	0.427	-0.427
13	0.123	0.215	0.430	-0.430
14	0.101	0.216	0.432	-0.432
15	0.312	0.217	0.433	-0.433



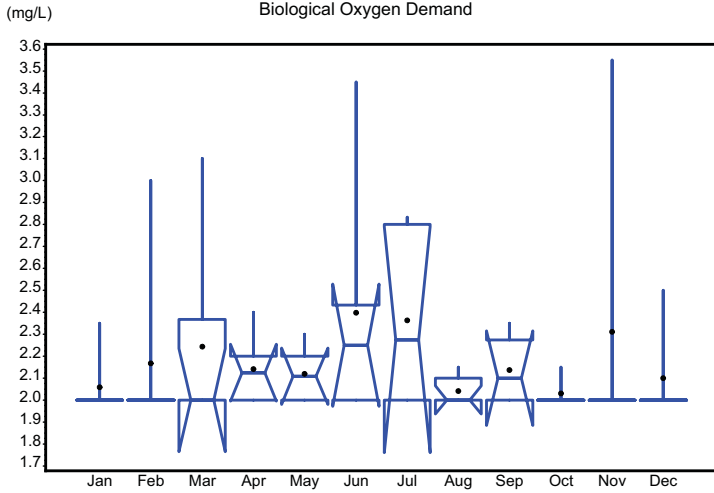
Gordon Marine Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



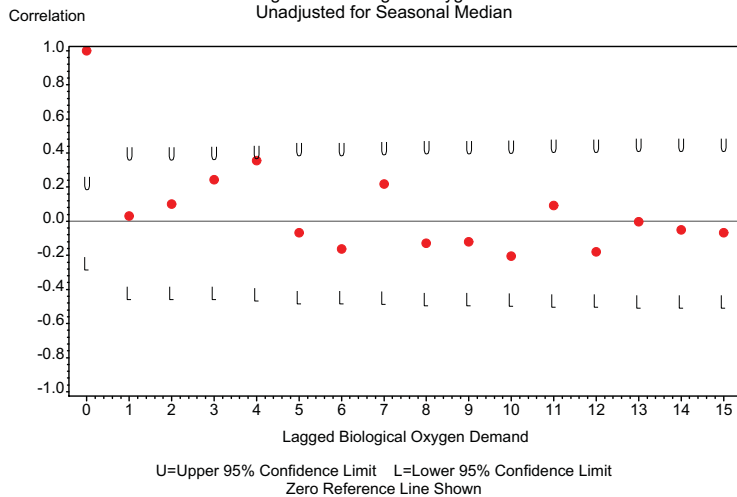
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Gordon Marine Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.029	0.204	0.408	-0.408
2	0.099	0.204	0.408	-0.408
3	0.242	0.205	0.410	-0.410
4	0.355	0.209	0.418	-0.418
5	-0.068	0.217	0.434	-0.434
6	-0.164	0.217	0.435	-0.435
7	0.217	0.219	0.438	-0.438
8	-0.128	0.222	0.444	-0.444
9	-0.120	0.223	0.446	-0.446
10	-0.206	0.224	0.448	-0.448
11	0.093	0.227	0.453	-0.453
12	-0.181	0.227	0.454	-0.454
13	-0.003	0.229	0.458	-0.458
14	-0.051	0.229	0.458	-0.458
15	-0.067	0.229	0.458	-0.458

Gordon Marine Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



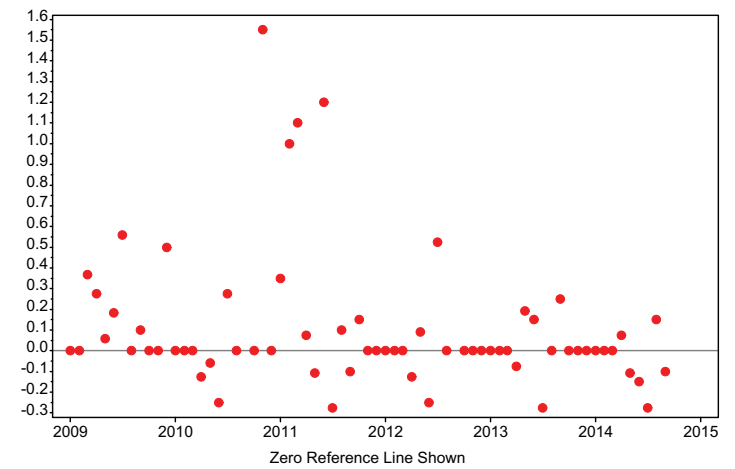
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.128	0.179	0.314	0

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12821	0.17911	0.31439	0

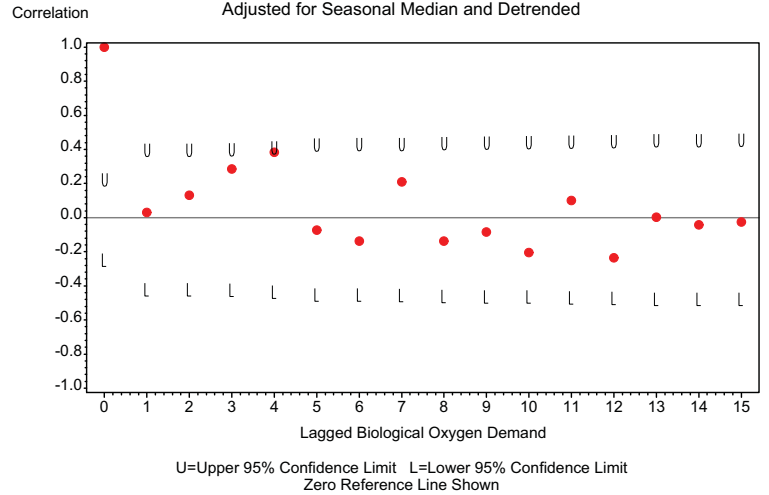
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



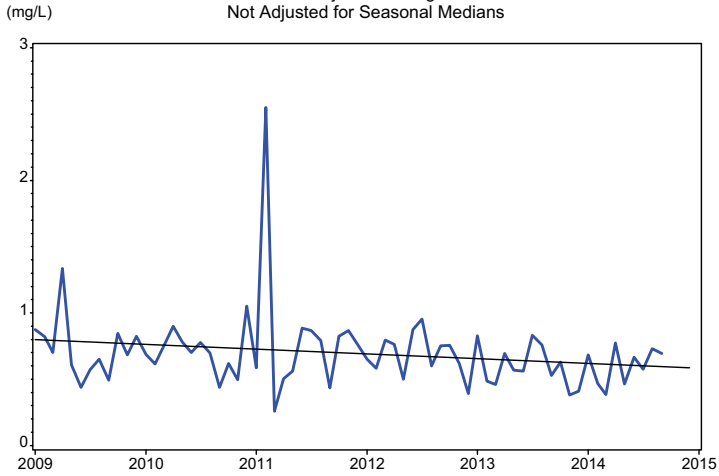
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.030	0.204	0.408	-0.408
2	0.130	0.204	0.408	-0.408
3	0.286	0.205	0.411	-0.411
4	0.382	0.211	0.422	-0.422
5	-0.072	0.220	0.440	-0.440
6	-0.139	0.221	0.441	-0.441
7	0.209	0.222	0.443	-0.443
8	-0.137	0.224	0.449	-0.449
9	-0.084	0.226	0.451	-0.451
10	-0.206	0.226	0.452	-0.452
11	0.100	0.229	0.457	-0.457
12	-0.237	0.229	0.459	-0.459
13	0.003	0.233	0.465	-0.465
14	-0.042	0.233	0.465	-0.465
15	-0.025	0.233	0.466	-0.466

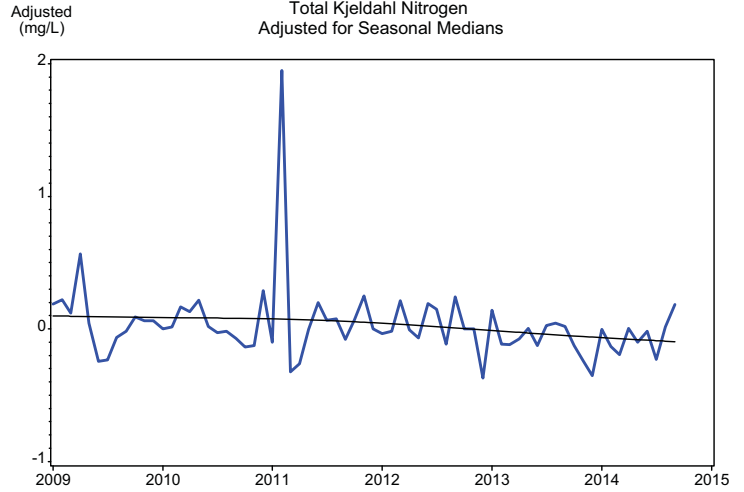
Gordon Marine Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



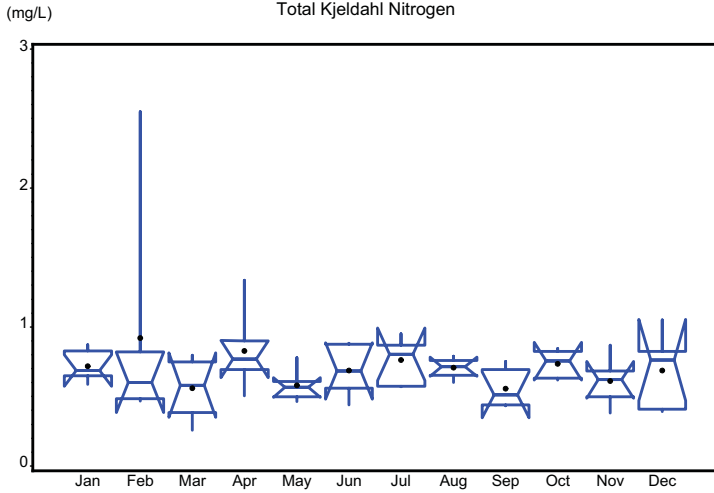
Gordon Marine Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



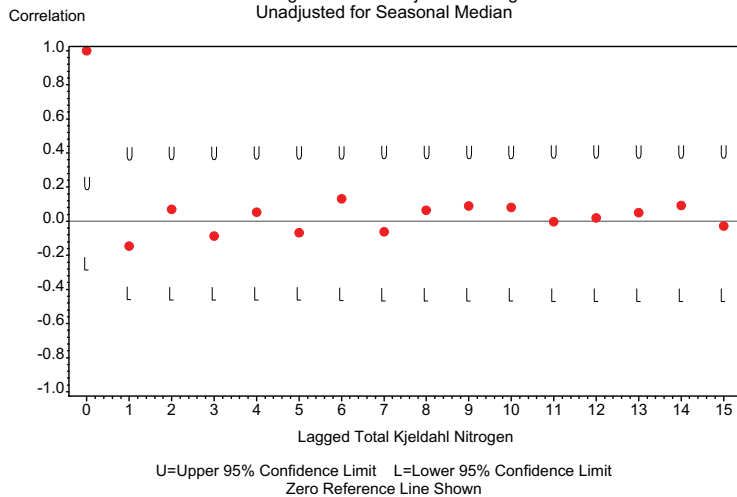
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Gordon Marine Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.145	0.204	0.408	-0.408
2	0.070	0.206	0.411	-0.411
3	-0.086	0.206	0.412	-0.412
4	0.054	0.206	0.413	-0.413
5	-0.069	0.207	0.413	-0.413
6	0.130	0.207	0.414	-0.414
7	-0.061	0.208	0.416	-0.416
8	0.064	0.208	0.417	-0.417
9	0.088	0.209	0.417	-0.417
10	0.082	0.209	0.418	-0.418
11	-0.002	0.210	0.419	-0.419
12	0.019	0.210	0.419	-0.419
13	0.049	0.210	0.419	-0.419
14	0.092	0.210	0.419	-0.419
15	-0.029	0.210	0.421	-0.421

Gordon Marine Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



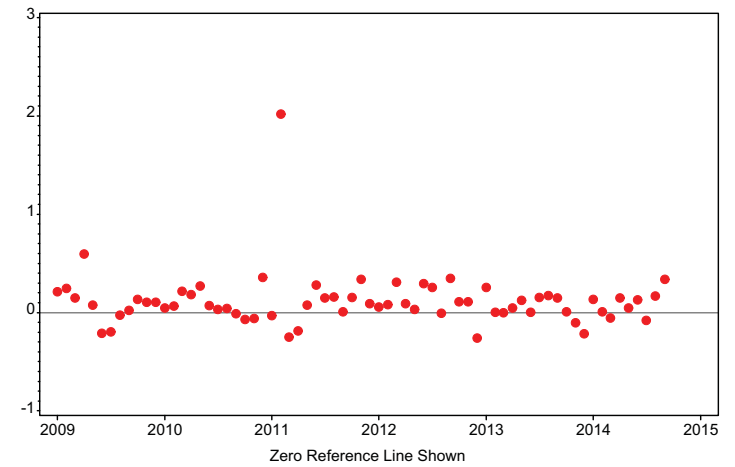
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.067	0.017	-0.023

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.066905	0.016970	-0.023

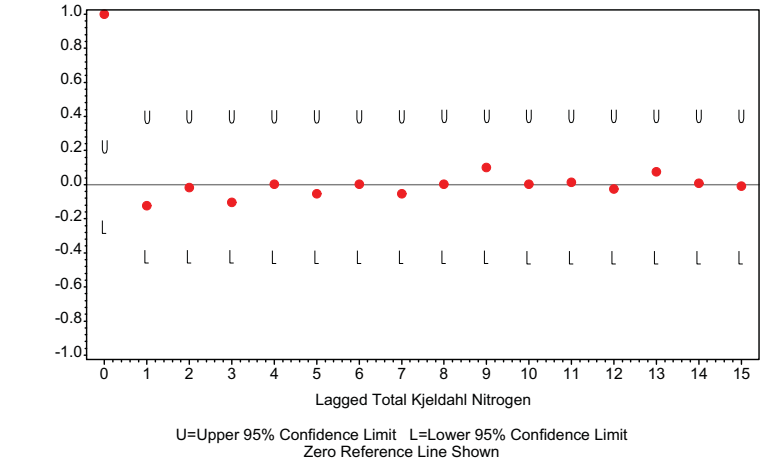
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



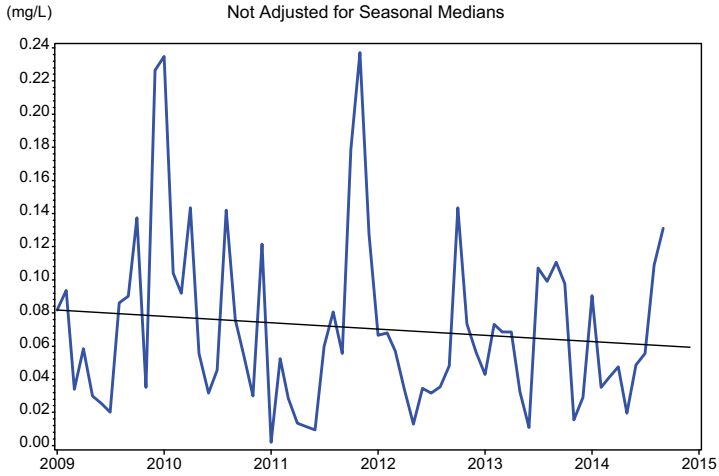
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.125	0.204	0.408	-0.408
2	-0.017	0.205	0.410	-0.410
3	-0.103	0.205	0.410	-0.410
4	0.003	0.206	0.412	-0.412
5	-0.055	0.206	0.412	-0.412
6	0.001	0.206	0.412	-0.412
7	-0.055	0.206	0.412	-0.412
8	0.001	0.206	0.413	-0.413
9	0.099	0.206	0.413	-0.413
10	0.003	0.207	0.414	-0.414
11	0.014	0.207	0.414	-0.414
12	-0.025	0.207	0.414	-0.414
13	0.075	0.207	0.414	-0.414
14	0.009	0.207	0.415	-0.415
15	-0.009	0.207	0.415	-0.415

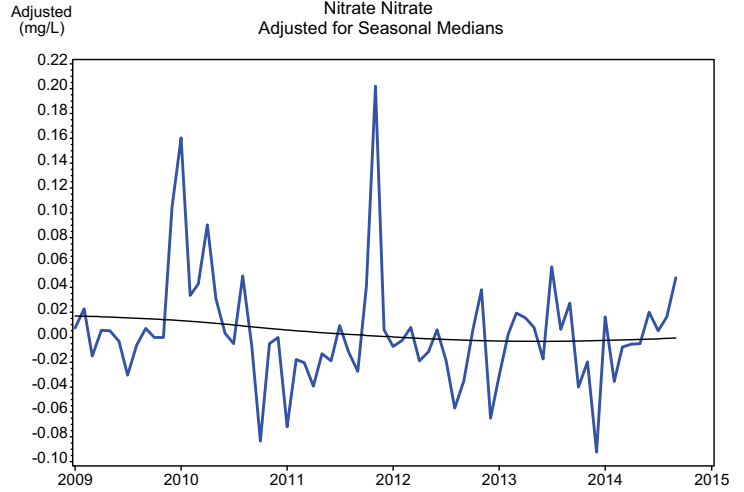
Gordon Marine Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



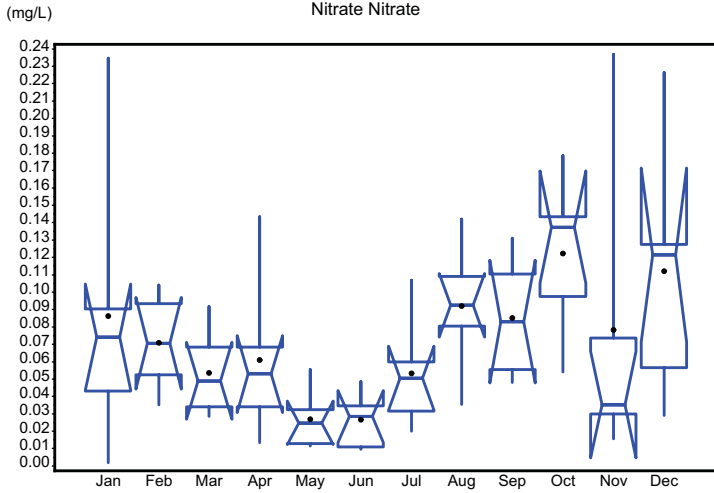
Gordon Marine Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



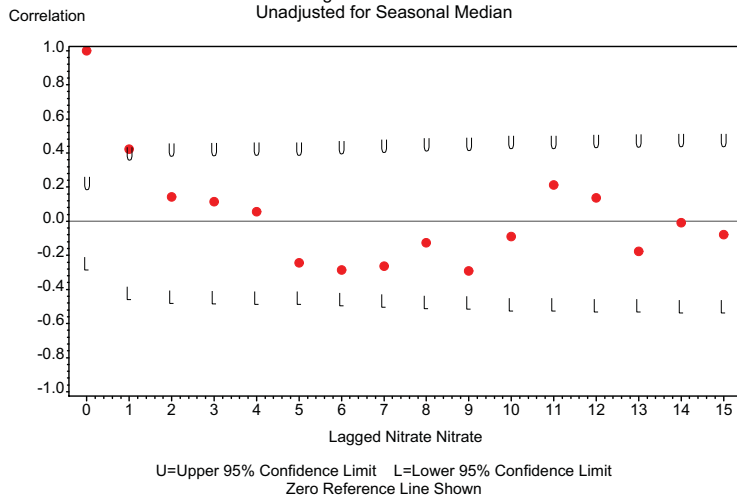
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Gordon Marine Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.423	0.204	0.408	-0.408
2	0.143	0.216	0.432	-0.432
3	0.115	0.217	0.435	-0.435
4	0.055	0.218	0.436	-0.436
5	-0.244	0.218	0.437	-0.437
6	-0.287	0.222	0.444	-0.444
7	-0.263	0.227	0.454	-0.454
8	-0.126	0.231	0.463	-0.463
9	-0.291	0.232	0.465	-0.465
10	-0.091	0.237	0.475	-0.475
11	0.211	0.238	0.476	-0.476
12	0.137	0.240	0.481	-0.481
13	-0.176	0.241	0.483	-0.483
14	-0.008	0.243	0.486	-0.486
15	-0.078	0.243	0.486	-0.486

Gordon Marine Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median

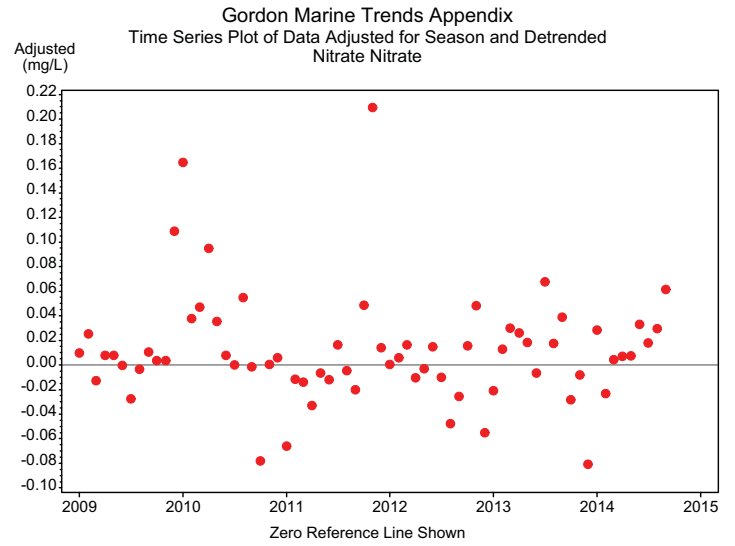


Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.018	0.909	0.93	-0.002

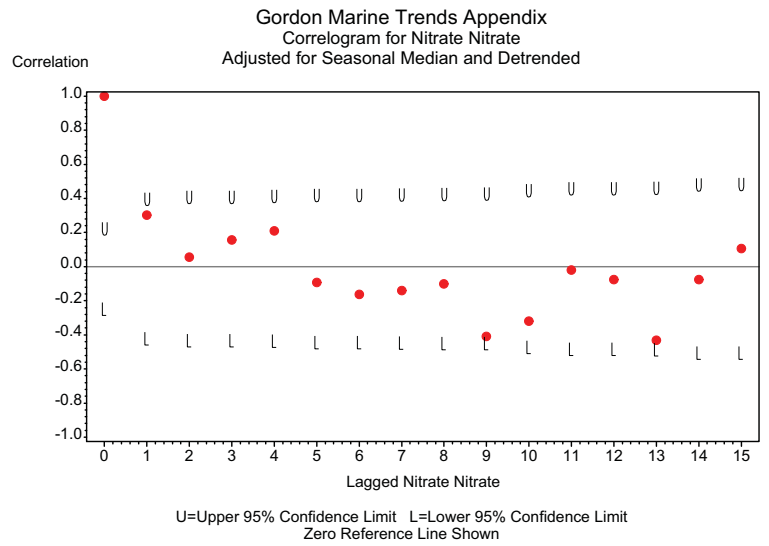
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.018182	0.90883	0.92964	-.002

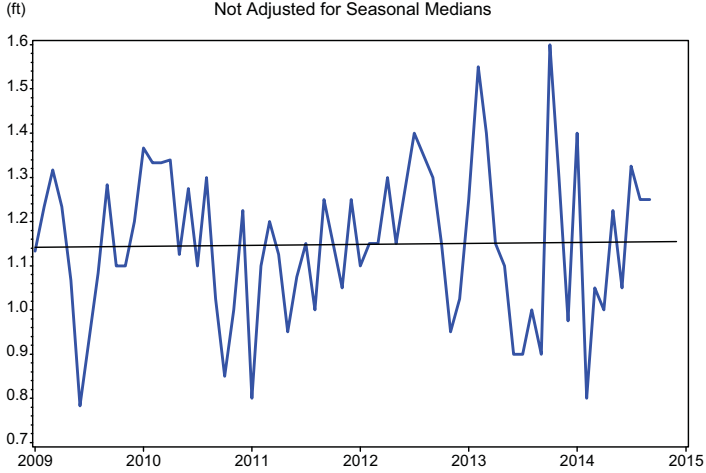


Gordon Marine Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

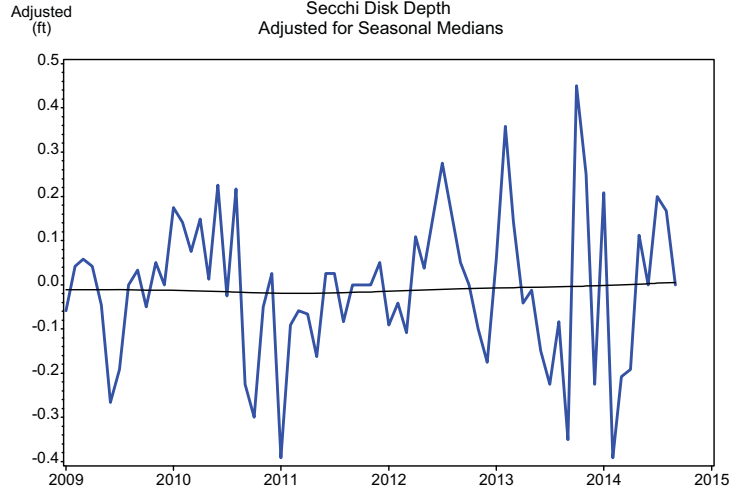
Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.301	0.204	0.408	-0.408
2	0.056	0.210	0.420	-0.420
3	0.155	0.210	0.421	-0.421
4	0.210	0.212	0.424	-0.424
5	-0.094	0.215	0.430	-0.430
6	-0.164	0.215	0.431	-0.431
7	-0.140	0.217	0.434	-0.434
8	-0.102	0.218	0.437	-0.437
9	-0.408	0.219	0.438	-0.438
10	-0.319	0.229	0.459	-0.459
11	-0.021	0.235	0.471	-0.471
12	-0.077	0.235	0.471	-0.471
13	-0.432	0.236	0.472	-0.472
14	-0.075	0.247	0.493	-0.493
15	0.107	0.247	0.494	-0.494



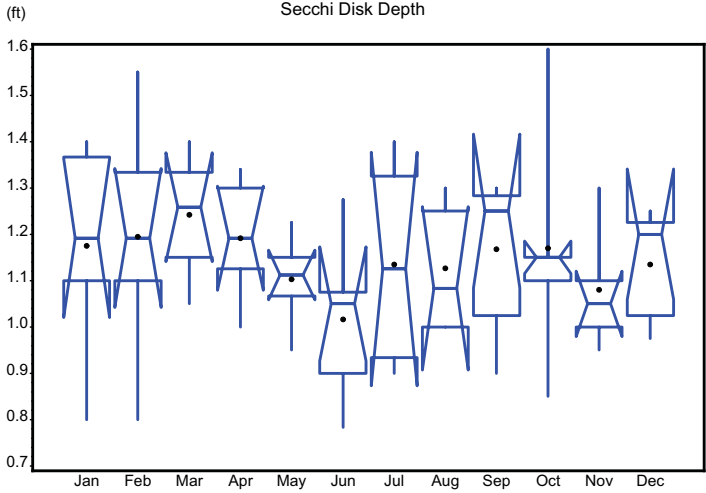
Gordon Marine Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



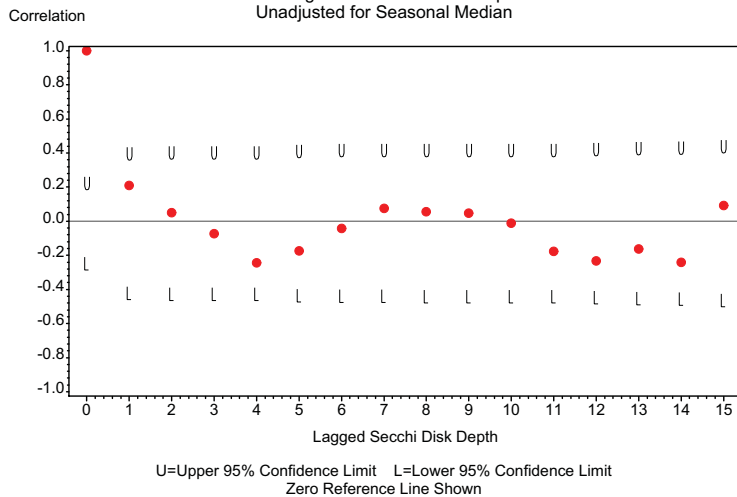
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Gordon Marine Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.209	0.204	0.408	-0.408
2	0.051	0.207	0.414	-0.414
3	-0.074	0.207	0.415	-0.415
4	-0.244	0.208	0.415	-0.415
5	-0.173	0.212	0.423	-0.423
6	-0.042	0.214	0.427	-0.427
7	0.076	0.214	0.427	-0.427
8	0.056	0.214	0.428	-0.428
9	0.046	0.214	0.428	-0.428
10	-0.013	0.214	0.429	-0.429
11	-0.176	0.214	0.429	-0.429
12	-0.233	0.216	0.433	-0.433
13	-0.163	0.220	0.440	-0.440
14	-0.240	0.221	0.443	-0.443
15	0.092	0.225	0.450	-0.450

Gordon Marine Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median

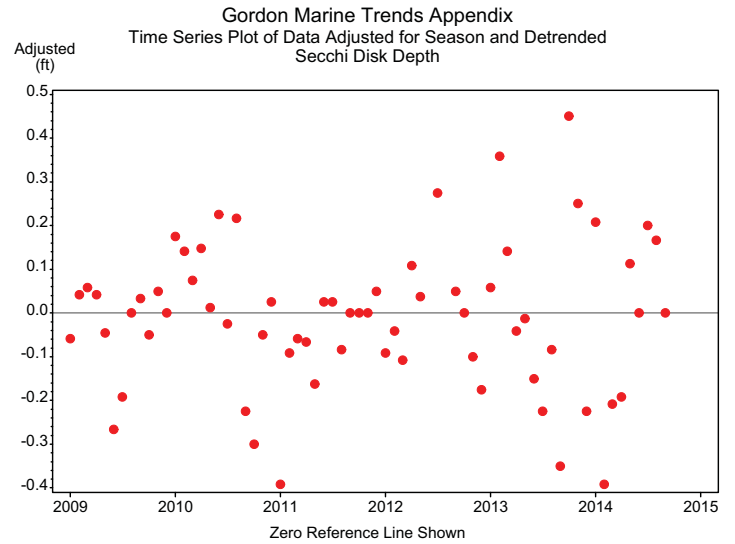


Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.013	0.952	0.94	0

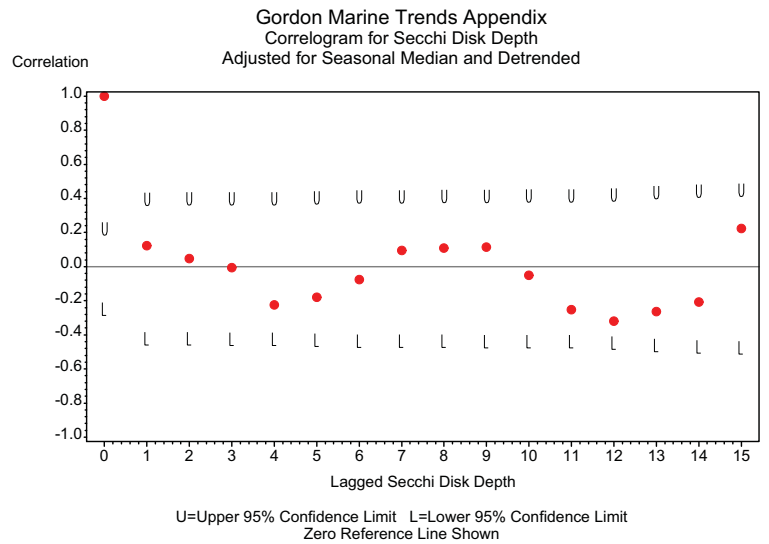
Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012903	0.95223	0.94014	0

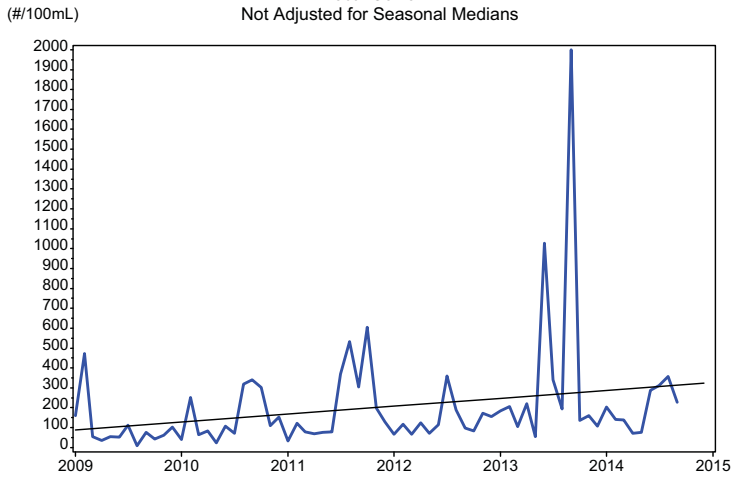


Gordon Marine Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

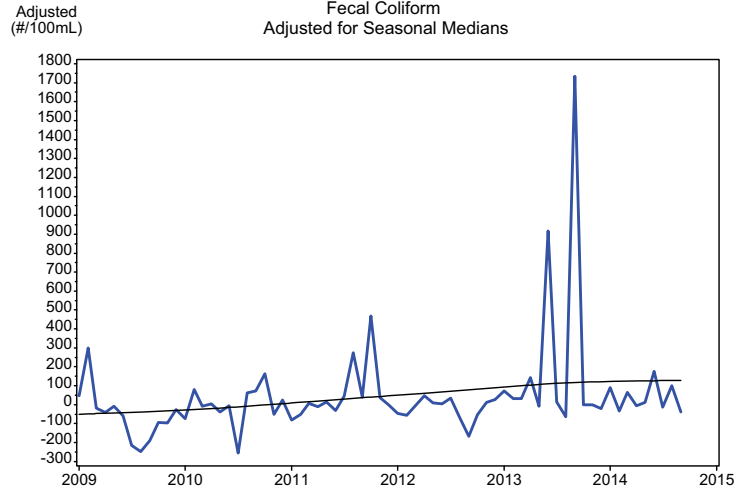
Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.123	0.204	0.408	-0.408
2	0.046	0.205	0.410	-0.410
3	-0.006	0.205	0.411	-0.411
4	-0.225	0.205	0.411	-0.411
5	-0.179	0.209	0.417	-0.417
6	-0.077	0.211	0.422	-0.422
7	0.096	0.211	0.422	-0.422
8	0.109	0.212	0.424	-0.424
9	0.114	0.213	0.425	-0.425
10	-0.051	0.213	0.427	-0.427
11	-0.252	0.214	0.427	-0.427
12	-0.319	0.218	0.435	-0.435
13	-0.265	0.224	0.448	-0.448
14	-0.208	0.228	0.457	-0.457
15	0.223	0.231	0.462	-0.462



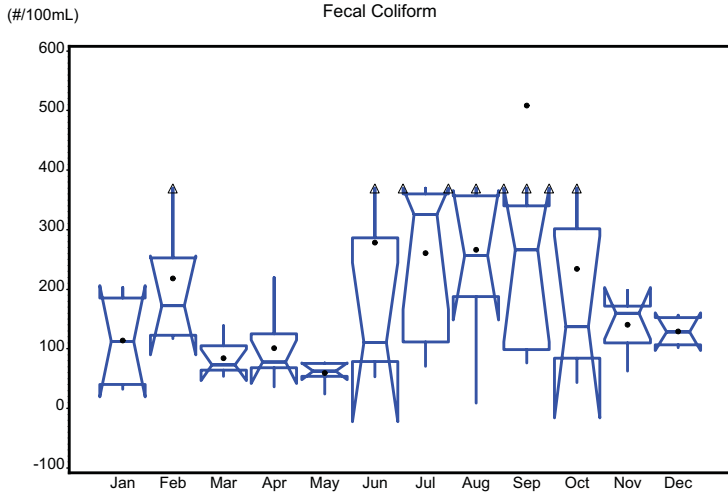
Gordon Marine Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Gordon Marine Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



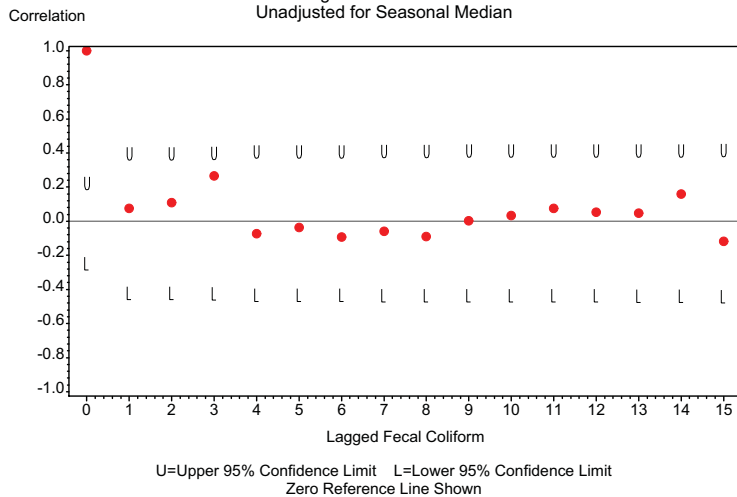
Gordon Marine Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Gordon Marine Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.074	0.204	0.408	-0.408
2	0.110	0.204	0.409	-0.409
3	0.265	0.205	0.411	-0.411
4	-0.074	0.210	0.420	-0.420
5	-0.037	0.210	0.421	-0.421
6	-0.093	0.210	0.421	-0.421
7	-0.058	0.211	0.422	-0.422
8	-0.090	0.211	0.423	-0.423
9	0.001	0.212	0.424	-0.424
10	0.034	0.212	0.424	-0.424
11	0.074	0.212	0.424	-0.424
12	0.052	0.212	0.424	-0.424
13	0.046	0.212	0.425	-0.425
14	0.158	0.213	0.425	-0.425
15	-0.118	0.214	0.428	-0.428

Gordon Marine Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



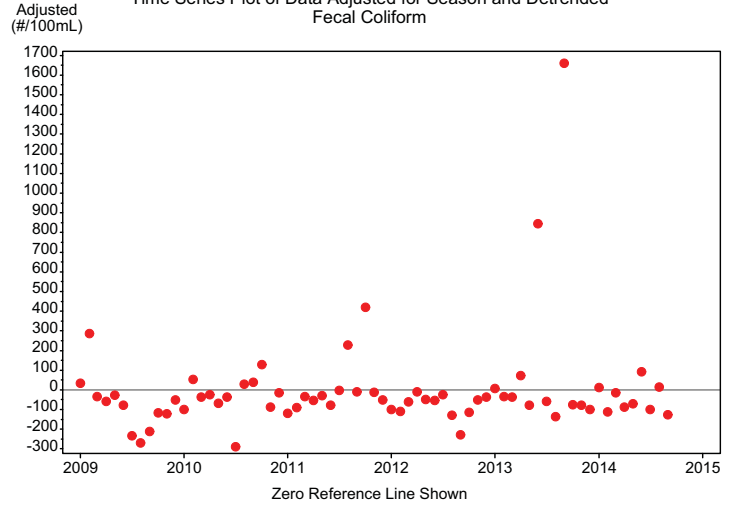
Gordon Marine Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.321	.003	0.073	13.167

Gordon Marine Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.32121	.00290585	0.072729	13.1665

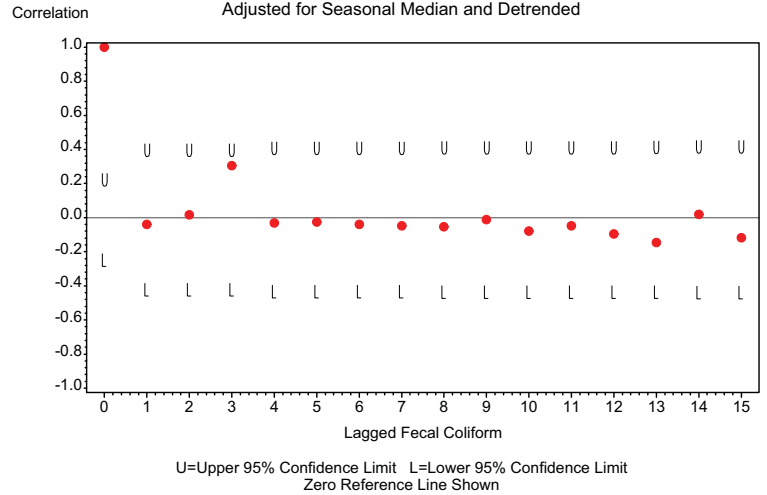
Gordon Marine Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



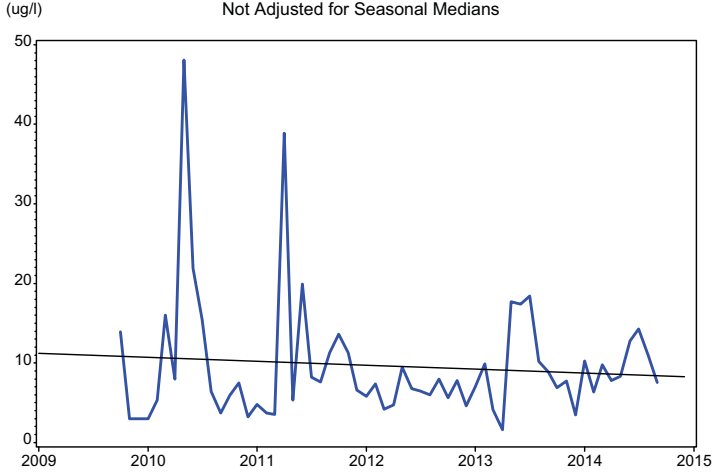
Gordon Marine Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.040	0.204	0.408	-0.408
2	0.016	0.204	0.408	-0.408
3	0.304	0.204	0.408	-0.408
4	-0.031	0.210	0.421	-0.421
5	-0.025	0.211	0.421	-0.421
6	-0.040	0.211	0.421	-0.421
7	-0.049	0.211	0.421	-0.421
8	-0.053	0.211	0.422	-0.422
9	-0.011	0.211	0.422	-0.422
10	-0.079	0.211	0.422	-0.422
11	-0.048	0.211	0.423	-0.423
12	-0.097	0.212	0.423	-0.423
13	-0.146	0.212	0.424	-0.424
14	0.020	0.214	0.427	-0.427
15	-0.118	0.214	0.427	-0.427

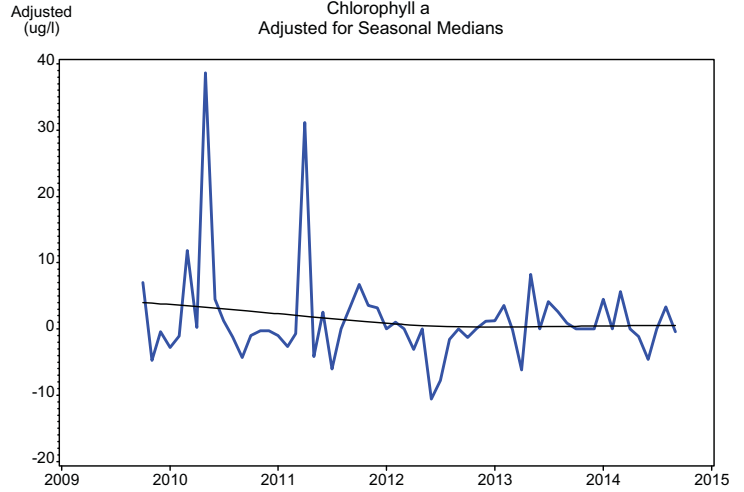
Gordon Marine Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



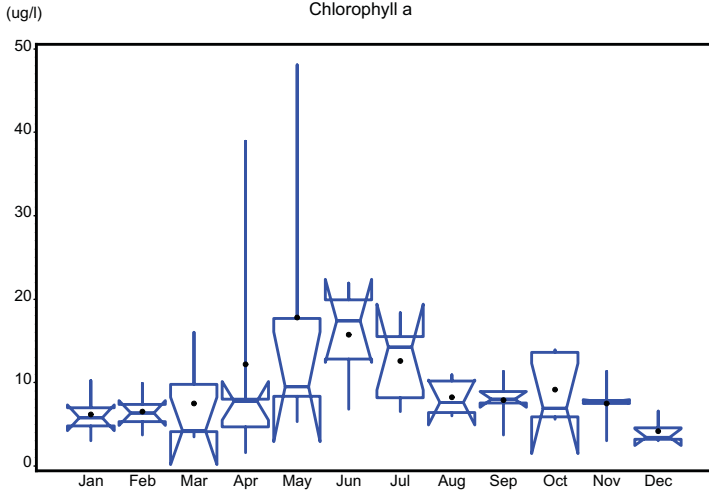
Gordon River Extension Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



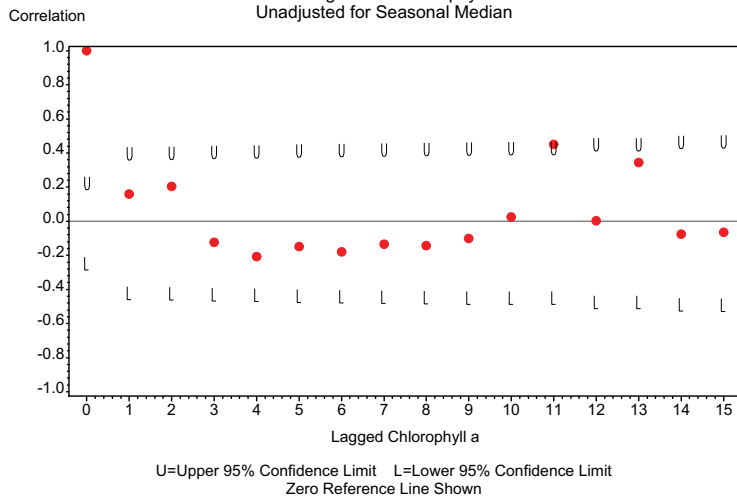
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.159	0.204	0.408	-0.408
2	0.203	0.206	0.412	-0.412
3	-0.124	0.209	0.417	-0.417
4	-0.209	0.210	0.419	-0.419
5	-0.150	0.212	0.425	-0.425
6	-0.180	0.214	0.428	-0.428
7	-0.136	0.216	0.432	-0.432
8	-0.142	0.217	0.434	-0.434
9	-0.102	0.219	0.437	-0.437
10	0.026	0.219	0.438	-0.438
11	0.450	0.219	0.438	-0.438
12	0.002	0.232	0.463	-0.463
13	0.345	0.232	0.463	-0.463
14	-0.077	0.239	0.477	-0.477
15	-0.065	0.239	0.478	-0.478

Gordon River Extension Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



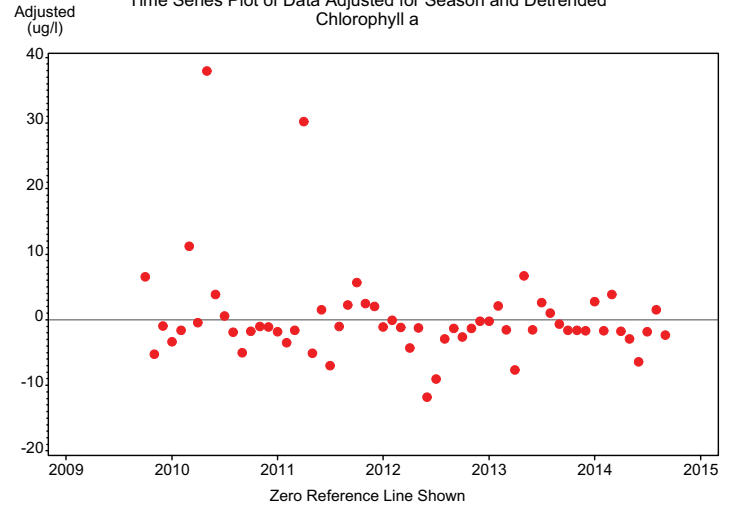
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.1	0.437	0.326	0.281

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.1	0.43668	0.32582	0.28125

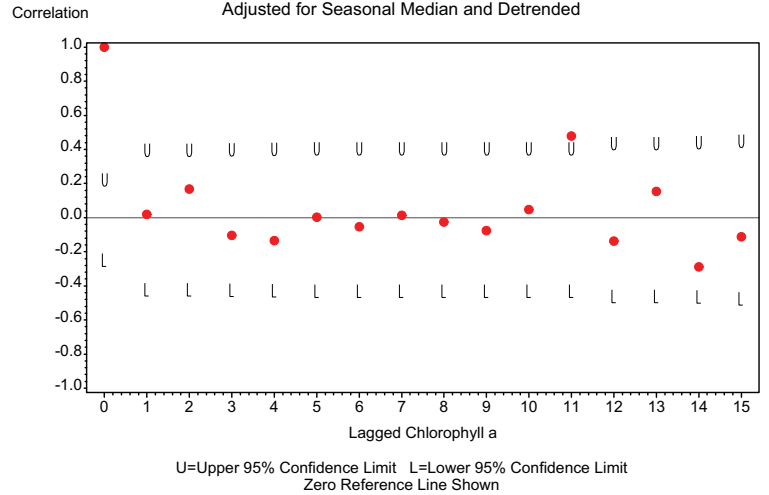
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



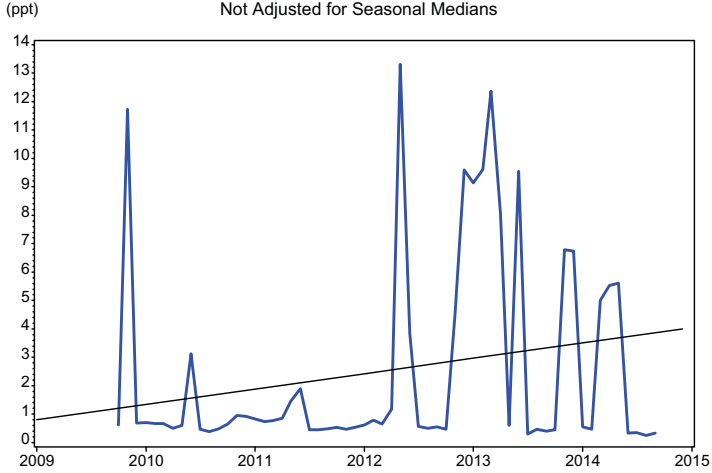
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.019	0.204	0.408	-0.408
2	0.168	0.204	0.408	-0.408
3	-0.103	0.206	0.412	-0.412
4	-0.134	0.207	0.414	-0.414
5	0.003	0.208	0.416	-0.416
6	-0.054	0.208	0.416	-0.416
7	0.013	0.208	0.416	-0.416
8	-0.025	0.208	0.416	-0.416
9	-0.076	0.208	0.416	-0.416
10	0.048	0.209	0.417	-0.417
11	0.477	0.209	0.418	-0.418
12	-0.138	0.223	0.447	-0.447
13	0.154	0.225	0.449	-0.449
14	-0.290	0.226	0.452	-0.452
15	-0.113	0.231	0.462	-0.462

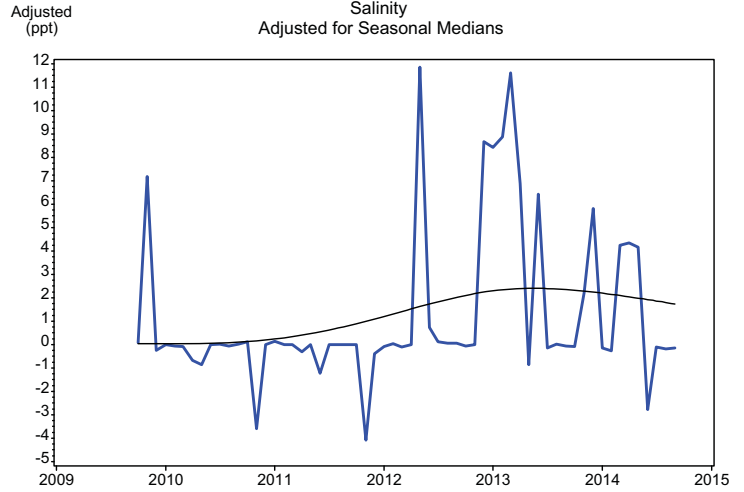
Gordon River Extension Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



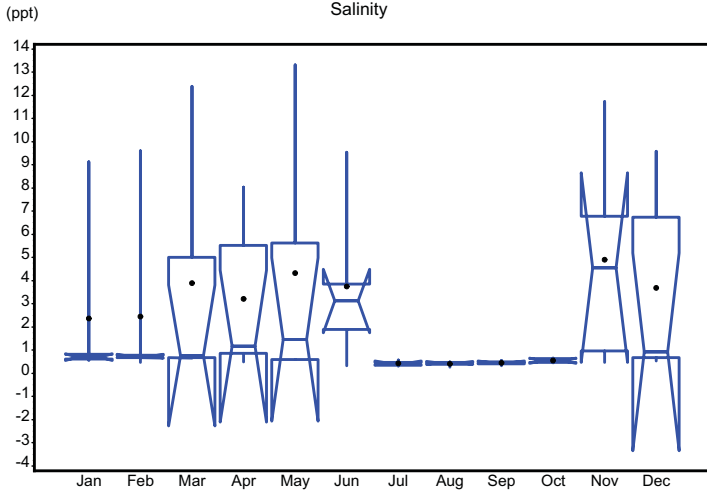
Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Salinity
 Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Salinity
 Adjusted for Seasonal Medians



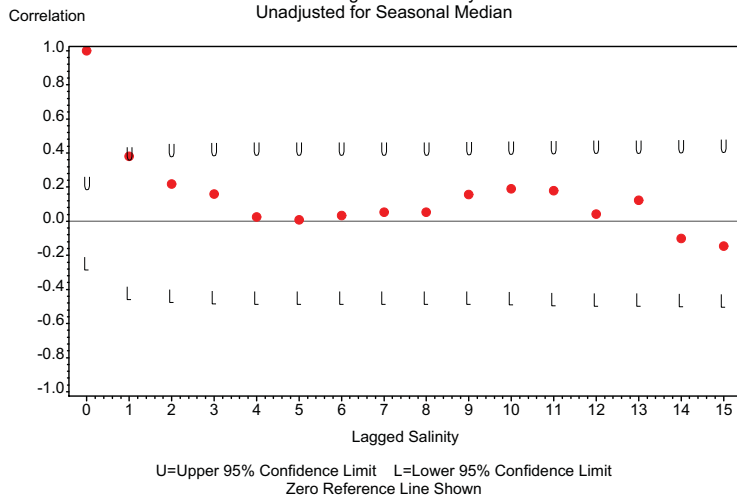
Gordon River Extension Trends Appendix
 Seasonal Univariate Statistics
 Salinity



Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Salinity
 Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.379	0.204	0.408	-0.408
2	0.219	0.214	0.427	-0.427
3	0.158	0.217	0.434	-0.434
4	0.025	0.218	0.437	-0.437
5	0.007	0.218	0.437	-0.437
6	0.034	0.218	0.437	-0.437
7	0.052	0.219	0.437	-0.437
8	0.053	0.219	0.437	-0.437
9	0.156	0.219	0.438	-0.438
10	0.190	0.220	0.441	-0.441
11	0.179	0.223	0.445	-0.445
12	0.042	0.225	0.449	-0.449
13	0.124	0.225	0.449	-0.449
14	-0.102	0.226	0.451	-0.451
15	-0.146	0.226	0.453	-0.453

Gordon River Extension Trends Appendix
 Correlogram for Salinity
 Unadjusted for Seasonal Median



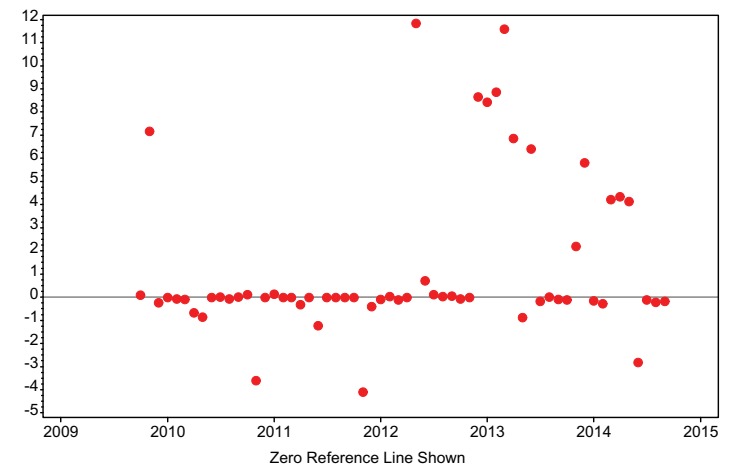
Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	.004

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	.00416667

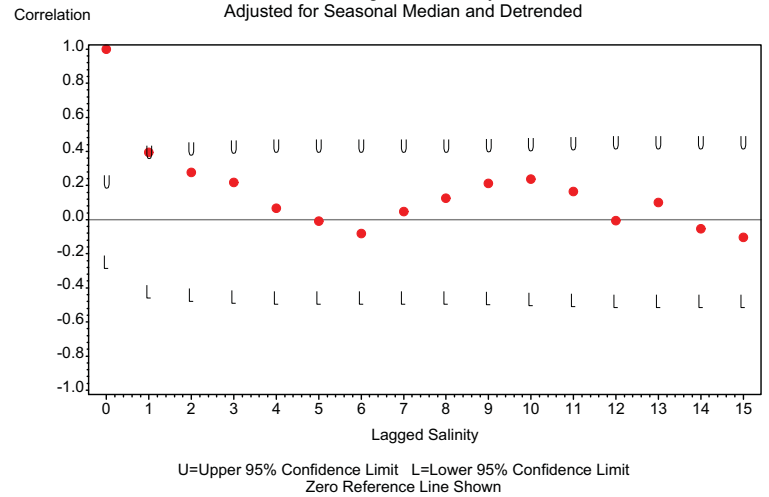
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



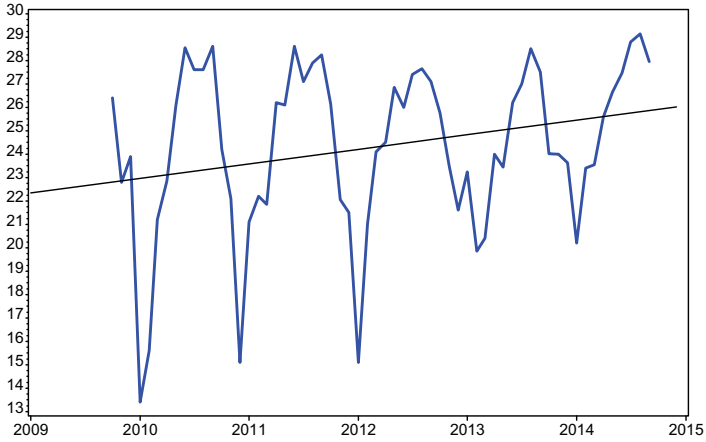
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.393	0.204	0.408	-0.408
2	0.276	0.214	0.429	-0.429
3	0.217	0.219	0.439	-0.439
4	0.067	0.222	0.444	-0.444
5	-0.008	0.223	0.445	-0.445
6	-0.083	0.223	0.445	-0.445
7	0.046	0.223	0.446	-0.446
8	0.126	0.223	0.446	-0.446
9	0.212	0.224	0.448	-0.448
10	0.237	0.227	0.454	-0.454
11	0.164	0.230	0.460	-0.460
12	-0.006	0.232	0.464	-0.464
13	0.101	0.232	0.464	-0.464
14	-0.055	0.232	0.465	-0.465
15	-0.103	0.233	0.465	-0.465

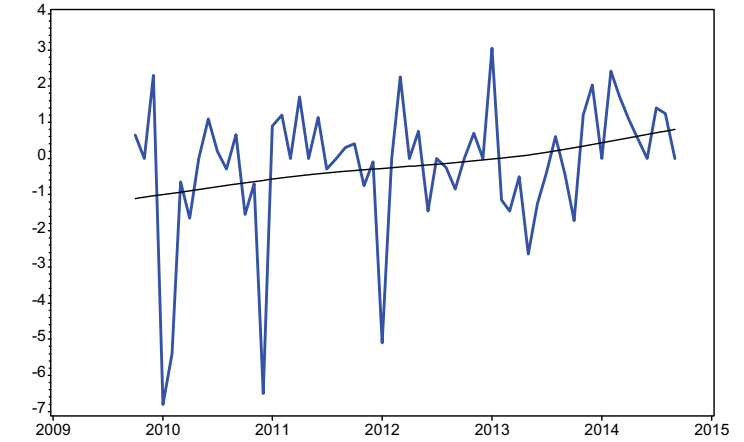
Gordon River Extension Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



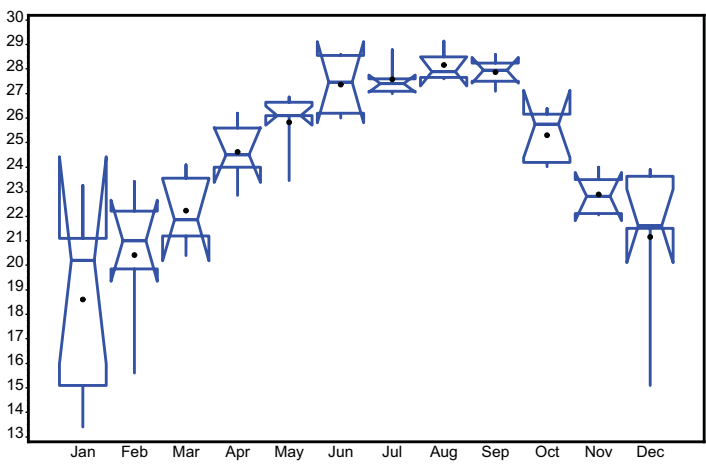
Gordon River Extension Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



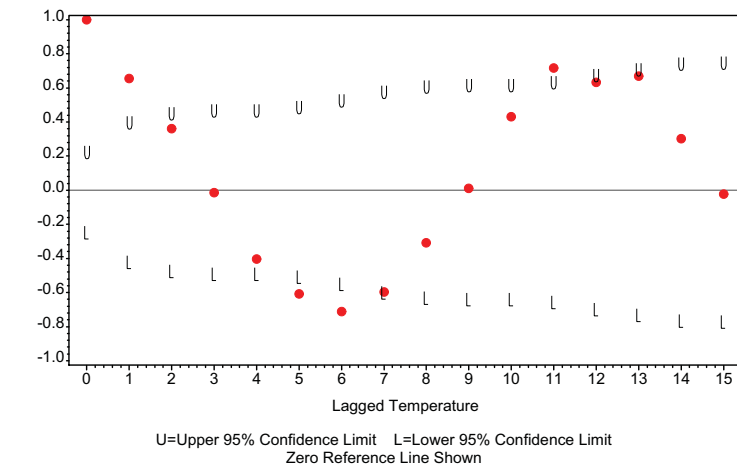
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Temperature



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.655	0.204	0.408	-0.408
2	0.360	0.231	0.463	-0.463
3	-0.015	0.239	0.478	-0.478
4	-0.405	0.239	0.478	-0.478
5	-0.608	0.248	0.497	-0.497
6	-0.711	0.268	0.537	-0.537
7	-0.597	0.293	0.587	-0.587
8	-0.308	0.310	0.619	-0.619
9	0.011	0.314	0.628	-0.628
10	0.431	0.314	0.628	-0.628
11	0.717	0.322	0.644	-0.644
12	0.632	0.344	0.687	-0.687
13	0.670	0.359	0.719	-0.719
14	0.303	0.376	0.753	-0.753
15	-0.022	0.380	0.759	-0.759

Gordon River Extension Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



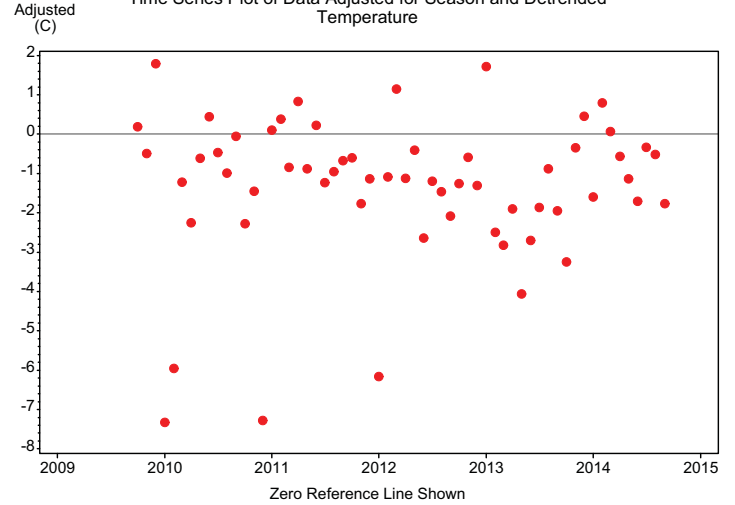
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.125	0.321	0.474	0.266

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.125	0.32099	0.47400	0.26579

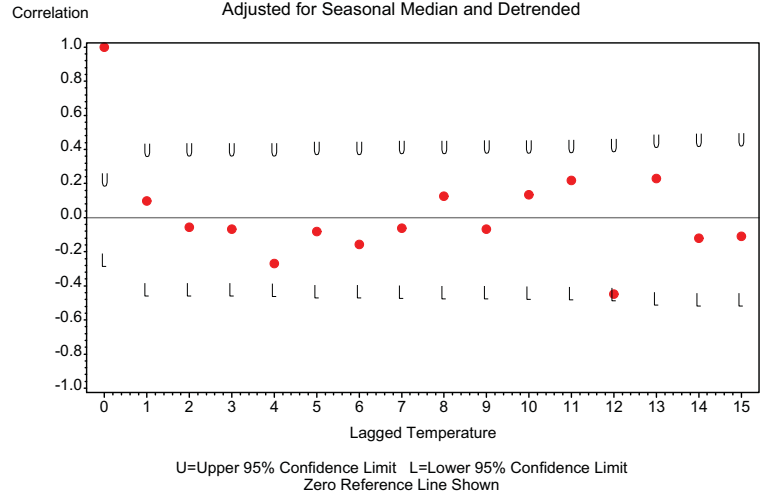
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



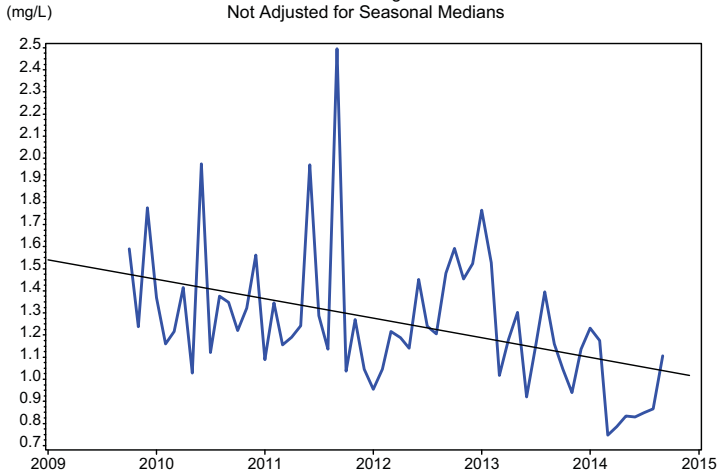
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.098	0.204	0.408	-0.408
2	-0.056	0.205	0.410	-0.410
3	-0.067	0.205	0.410	-0.410
4	-0.270	0.205	0.411	-0.411
5	-0.081	0.210	0.420	-0.420
6	-0.157	0.211	0.421	-0.421
7	-0.062	0.212	0.424	-0.424
8	0.125	0.212	0.425	-0.425
9	-0.068	0.213	0.427	-0.427
10	0.134	0.214	0.428	-0.428
11	0.219	0.215	0.430	-0.430
12	-0.449	0.218	0.436	-0.436
13	0.228	0.230	0.461	-0.461
14	-0.122	0.234	0.467	-0.467
15	-0.109	0.234	0.469	-0.469

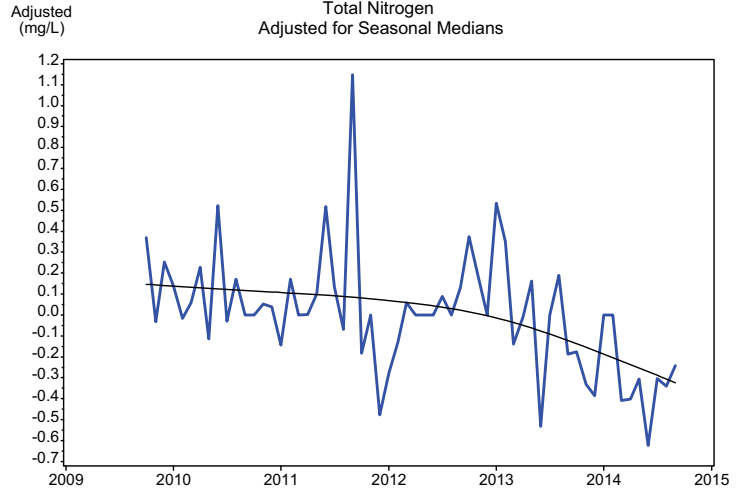
Gordon River Extension Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



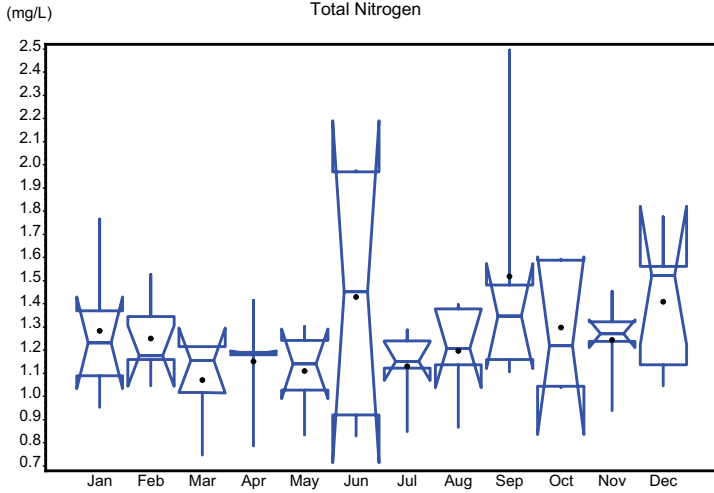
Gordon River Extension Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



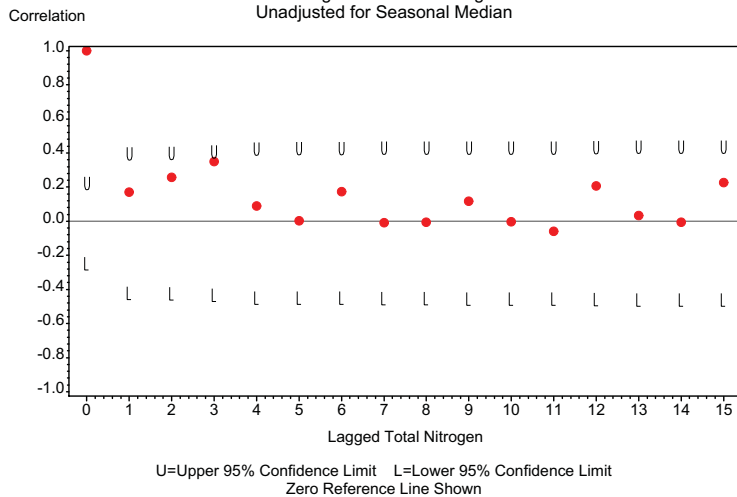
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.170	0.204	0.408	-0.408
2	0.256	0.206	0.412	-0.412
3	0.349	0.210	0.421	-0.421
4	0.090	0.218	0.437	-0.437
5	0.001	0.219	0.438	-0.438
6	0.172	0.219	0.438	-0.438
7	-0.010	0.221	0.441	-0.441
8	-0.006	0.221	0.441	-0.441
9	0.117	0.221	0.442	-0.442
10	-0.004	0.222	0.443	-0.443
11	-0.060	0.222	0.443	-0.443
12	0.208	0.222	0.444	-0.444
13	0.032	0.225	0.449	-0.449
14	-0.005	0.225	0.449	-0.449
15	0.227	0.225	0.449	-0.449

Gordon River Extension Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



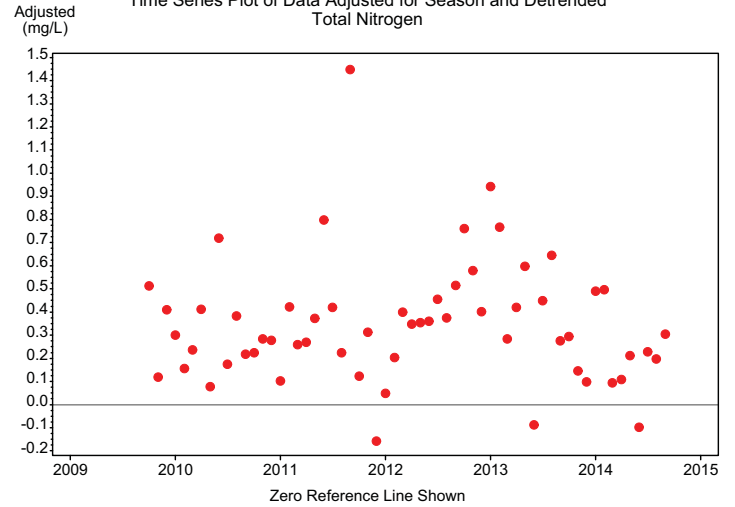
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.375	.002	0.034	-0.082

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.375	.0018141	0.033918	-0.081667

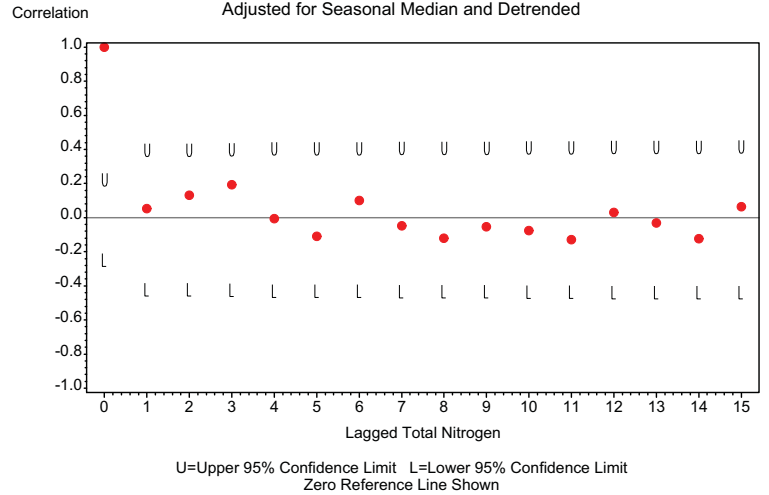
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



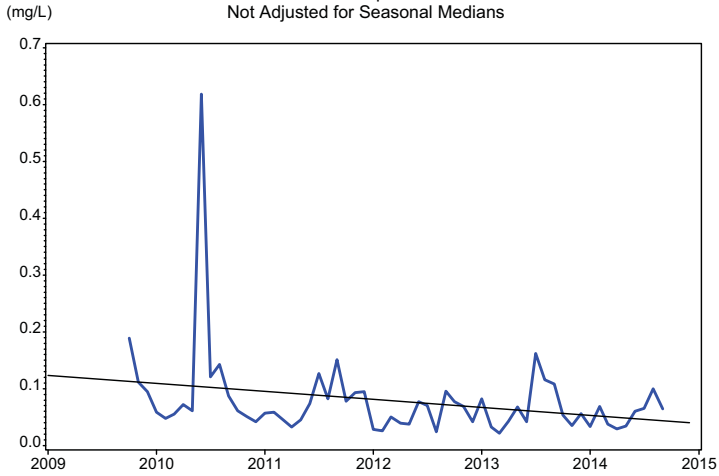
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.054	0.204	0.408	-0.408
2	0.131	0.204	0.409	-0.409
3	0.193	0.205	0.411	-0.411
4	-0.006	0.208	0.416	-0.416
5	-0.109	0.208	0.416	-0.416
6	0.101	0.209	0.418	-0.418
7	-0.049	0.209	0.419	-0.419
8	-0.120	0.210	0.419	-0.419
9	-0.054	0.211	0.421	-0.421
10	-0.077	0.211	0.422	-0.422
11	-0.129	0.211	0.422	-0.422
12	0.029	0.212	0.425	-0.425
13	-0.030	0.212	0.425	-0.425
14	-0.125	0.212	0.425	-0.425
15	0.064	0.213	0.427	-0.427

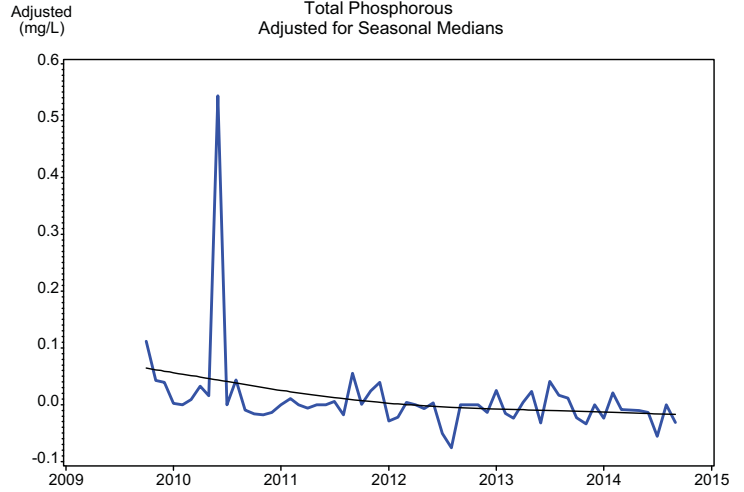
Gordon River Extension Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



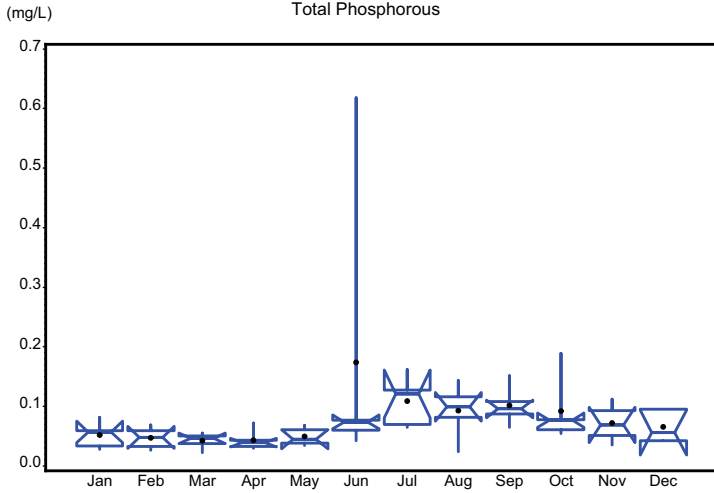
Gordon River Extension Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



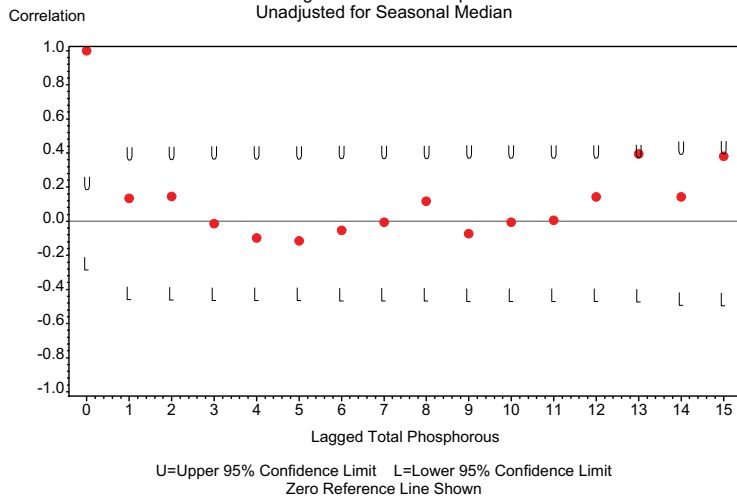
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.134	0.204	0.408	-0.408
2	0.146	0.205	0.411	-0.411
3	-0.015	0.207	0.414	-0.414
4	-0.098	0.207	0.414	-0.414
5	-0.116	0.207	0.415	-0.415
6	-0.054	0.208	0.417	-0.417
7	-0.006	0.209	0.417	-0.417
8	0.117	0.209	0.417	-0.417
9	-0.074	0.209	0.419	-0.419
10	-0.006	0.210	0.420	-0.420
11	0.004	0.210	0.420	-0.420
12	0.143	0.210	0.420	-0.420
13	0.394	0.211	0.422	-0.422
14	0.143	0.221	0.442	-0.442
15	0.381	0.222	0.445	-0.445

Gordon River Extension Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



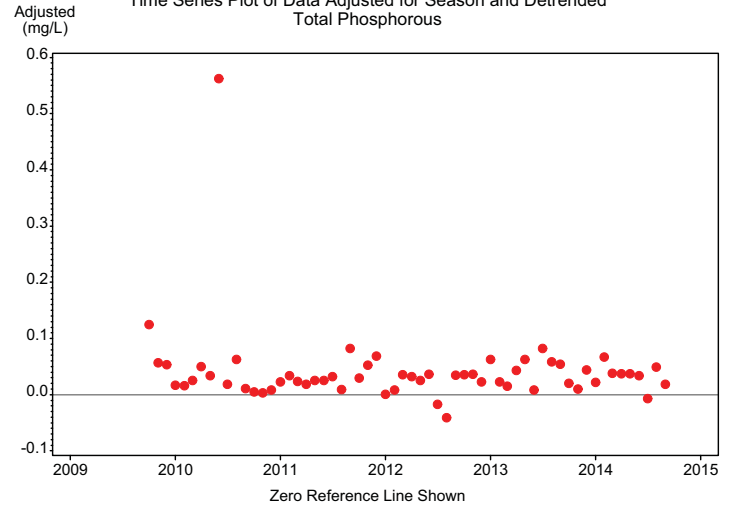
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.333	.006	0.044	-.007

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.33333	.00557773	0.043546	-.0075

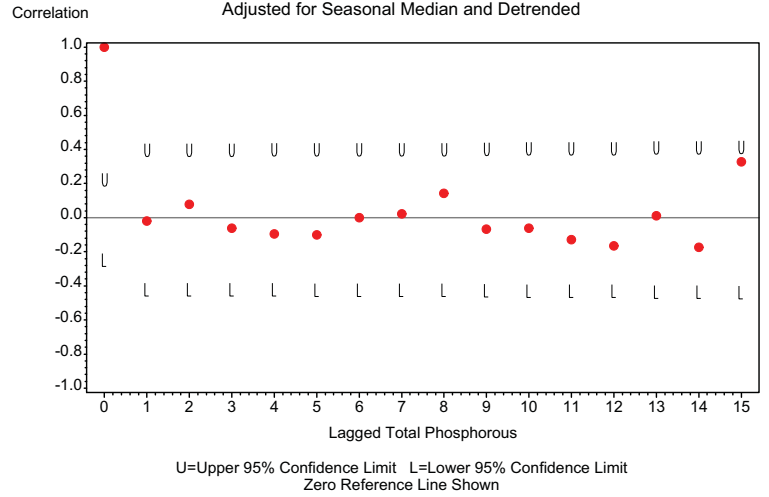
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



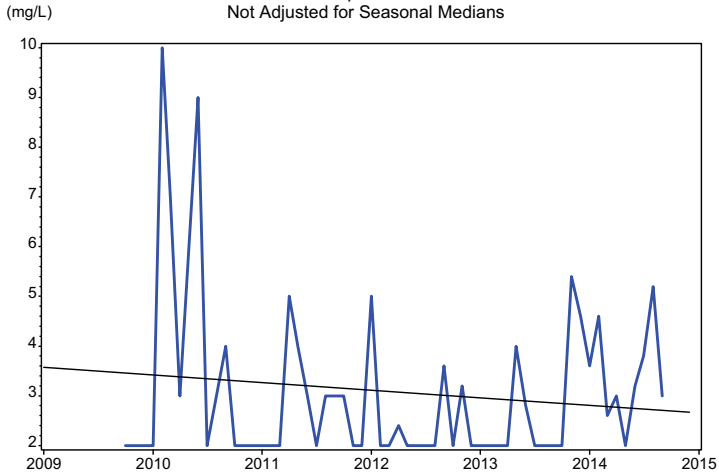
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.019	0.204	0.408	-0.408
2	0.078	0.204	0.408	-0.408
3	-0.063	0.205	0.409	-0.409
4	-0.096	0.205	0.410	-0.410
5	-0.102	0.205	0.411	-0.411
6	-0.001	0.206	0.412	-0.412
7	0.023	0.206	0.412	-0.412
8	0.143	0.206	0.412	-0.412
9	-0.069	0.208	0.415	-0.415
10	-0.061	0.208	0.416	-0.416
11	-0.129	0.208	0.416	-0.416
12	-0.167	0.209	0.418	-0.418
13	0.010	0.211	0.422	-0.422
14	-0.175	0.211	0.422	-0.422
15	0.326	0.213	0.426	-0.426

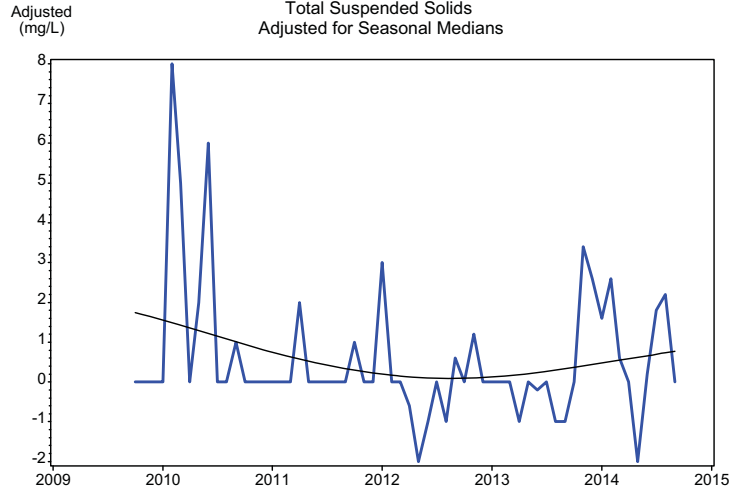
Gordon River Extension Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



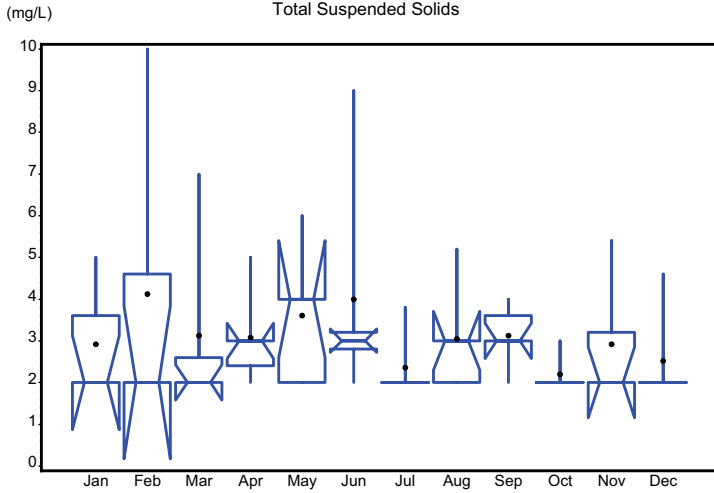
Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



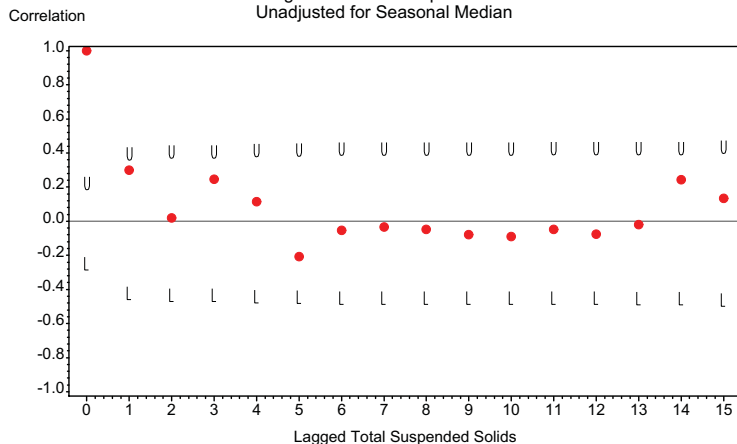
Gordon River Extension Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.300	0.204	0.408	-0.408
2	0.020	0.210	0.420	-0.420
3	0.246	0.210	0.420	-0.420
4	0.115	0.214	0.428	-0.428
5	-0.208	0.215	0.430	-0.430
6	-0.055	0.218	0.436	-0.436
7	-0.033	0.218	0.436	-0.436
8	-0.047	0.218	0.436	-0.436
9	-0.079	0.218	0.436	-0.436
10	-0.089	0.219	0.437	-0.437
11	-0.047	0.219	0.438	-0.438
12	-0.075	0.219	0.438	-0.438
13	-0.019	0.220	0.439	-0.439
14	0.244	0.220	0.439	-0.439
15	0.134	0.223	0.447	-0.447

Gordon River Extension Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

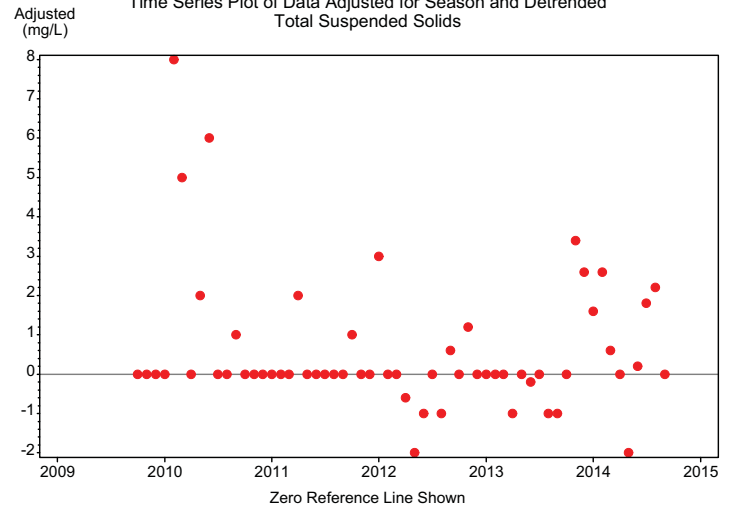
Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

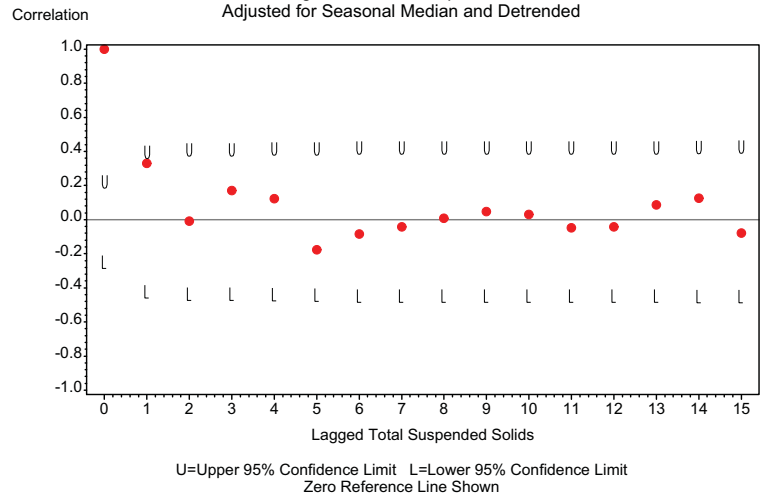
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



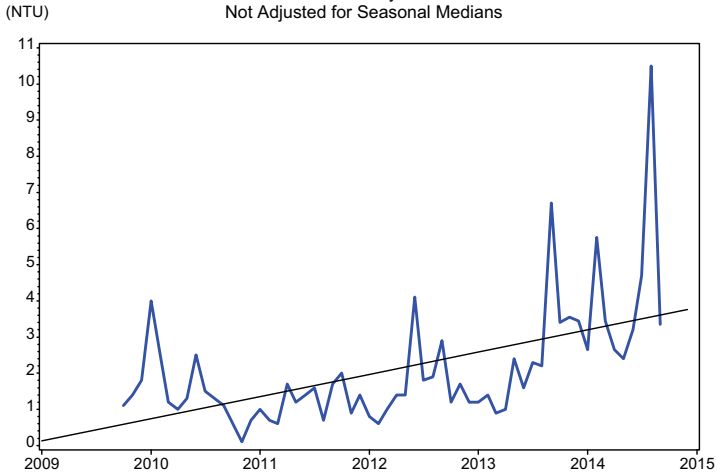
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.329	0.204	0.408	-0.408
2	-0.010	0.211	0.423	-0.423
3	0.171	0.211	0.423	-0.423
4	0.124	0.213	0.427	-0.427
5	-0.177	0.214	0.429	-0.429
6	-0.085	0.216	0.433	-0.433
7	-0.043	0.217	0.434	-0.434
8	0.009	0.217	0.434	-0.434
9	0.046	0.217	0.434	-0.434
10	0.029	0.217	0.434	-0.434
11	-0.047	0.217	0.434	-0.434
12	-0.043	0.217	0.435	-0.435
13	0.085	0.217	0.435	-0.435
14	0.125	0.218	0.436	-0.436
15	-0.080	0.219	0.438	-0.438

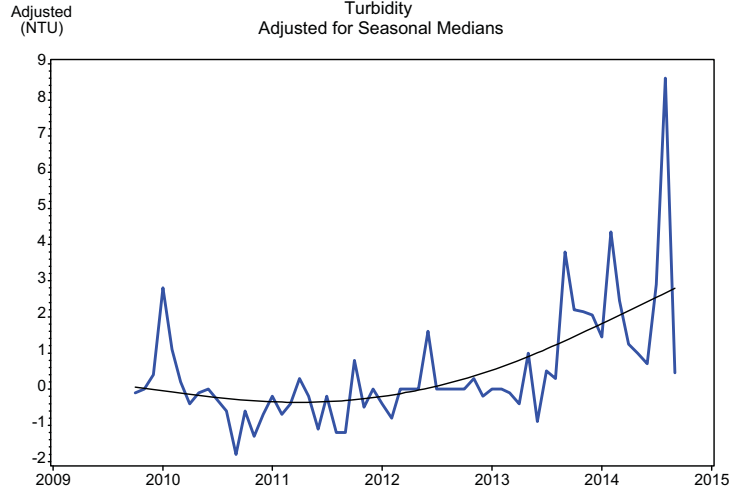
Gordon River Extension Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



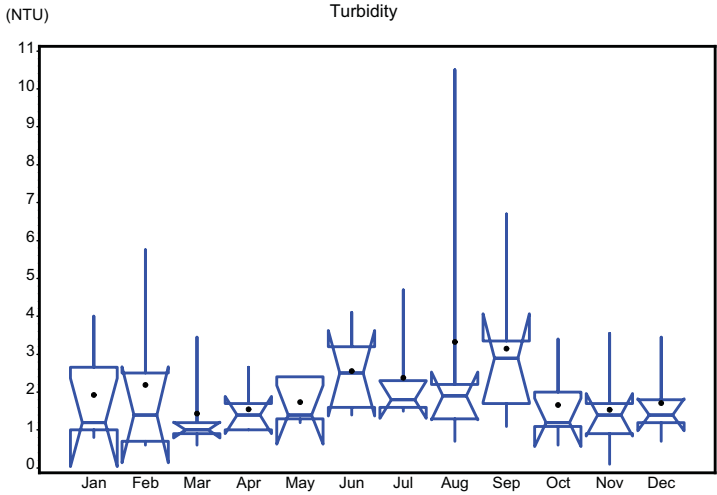
Gordon River Extension Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



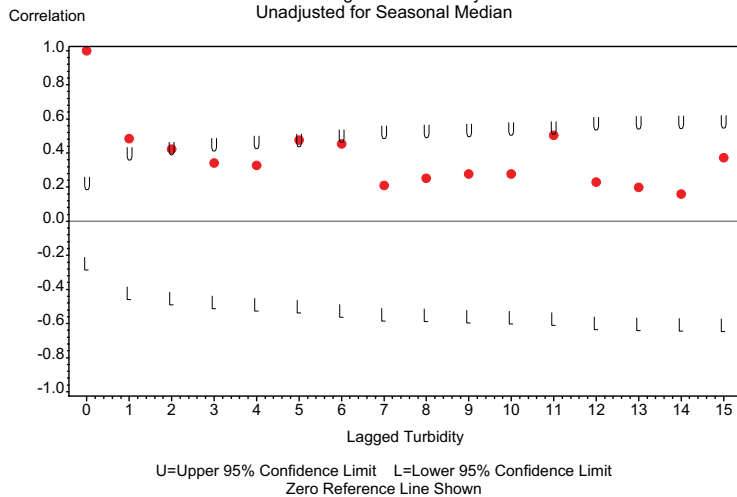
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Turbidity



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.483	0.204	0.408	-0.408
2	0.423	0.219	0.439	-0.439
3	0.341	0.230	0.461	-0.461
4	0.327	0.237	0.475	-0.475
5	0.475	0.244	0.487	-0.487
6	0.452	0.256	0.512	-0.512
7	0.210	0.267	0.534	-0.534
8	0.252	0.269	0.539	-0.539
9	0.277	0.273	0.545	-0.545
10	0.276	0.276	0.553	-0.553
11	0.503	0.280	0.560	-0.560
12	0.229	0.292	0.585	-0.585
13	0.199	0.295	0.590	-0.590
14	0.158	0.297	0.594	-0.594
15	0.373	0.298	0.596	-0.596

Gordon River Extension Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



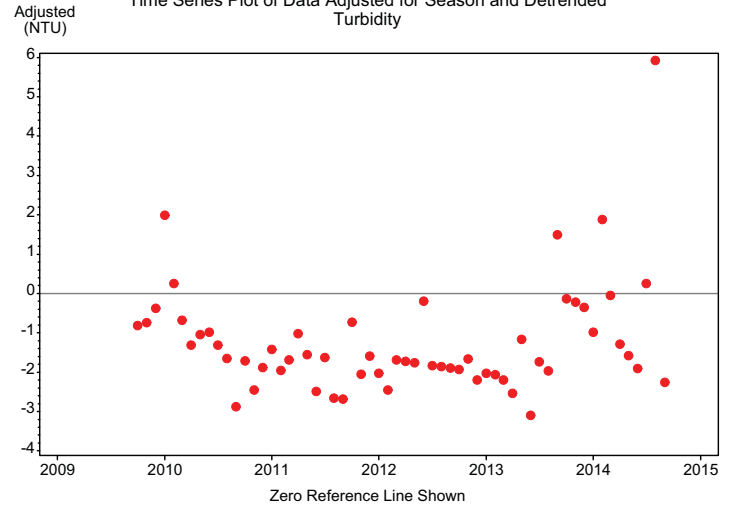
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.467	0	0.051	0.406

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.46667	.000093103	0.050759	0.40625

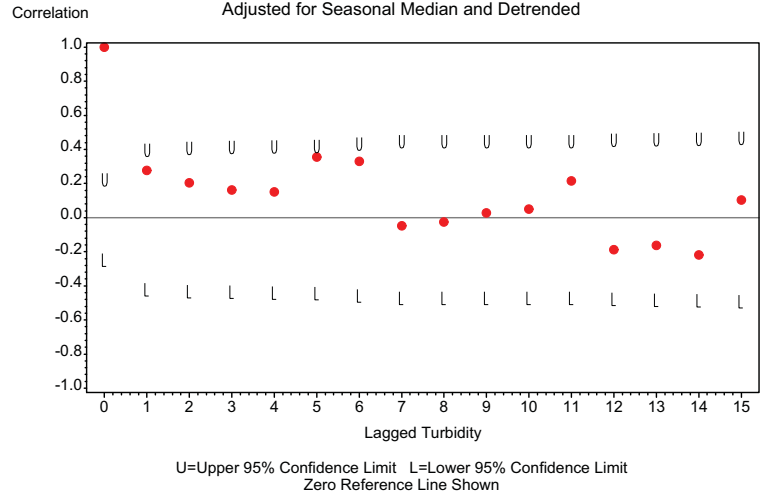
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



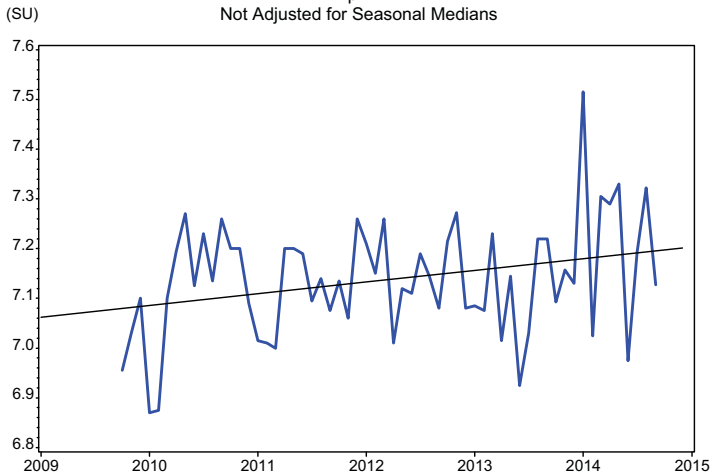
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.278	0.204	0.408	-0.408
2	0.204	0.209	0.419	-0.419
3	0.161	0.212	0.424	-0.424
4	0.151	0.214	0.428	-0.428
5	0.354	0.215	0.430	-0.430
6	0.329	0.223	0.446	-0.446
7	-0.048	0.230	0.460	-0.460
8	-0.026	0.230	0.460	-0.460
9	0.027	0.230	0.460	-0.460
10	0.050	0.230	0.460	-0.460
11	0.215	0.230	0.460	-0.460
12	-0.187	0.233	0.466	-0.466
13	-0.162	0.235	0.470	-0.470
14	-0.218	0.237	0.473	-0.473
15	0.102	0.239	0.479	-0.479

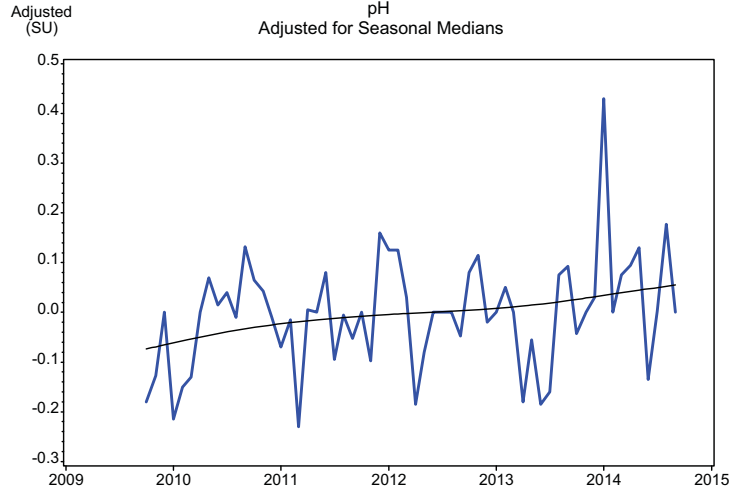
Gordon River Extension Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



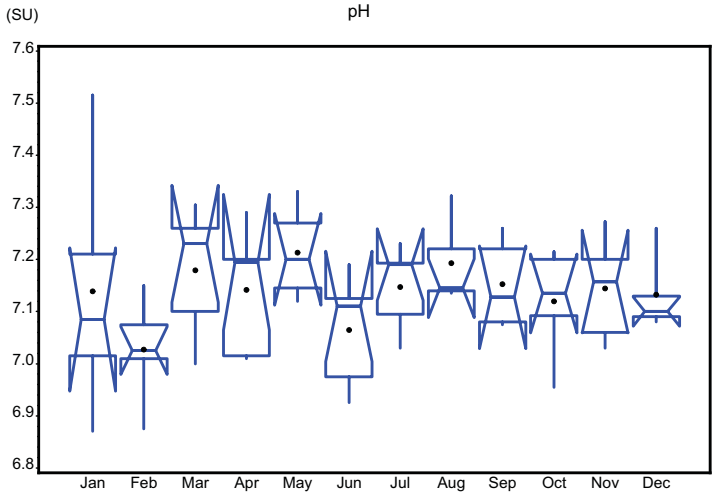
Gordon River Extension Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



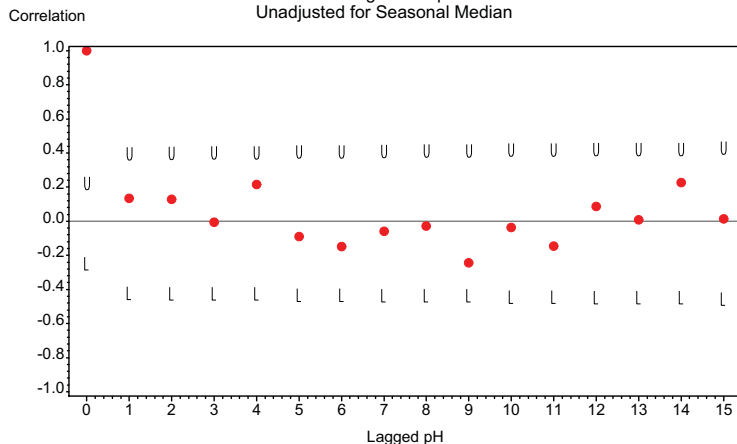
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
pH



Gordon River Extension Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.135	0.204	0.408	-0.408
2	0.127	0.205	0.411	-0.411
3	-0.005	0.206	0.413	-0.413
4	0.216	0.206	0.413	-0.413
5	-0.091	0.210	0.419	-0.419
6	-0.150	0.210	0.420	-0.420
7	-0.060	0.212	0.423	-0.423
8	-0.029	0.212	0.424	-0.424
9	-0.244	0.212	0.424	-0.424
10	-0.038	0.216	0.431	-0.431
11	-0.146	0.216	0.432	-0.432
12	0.085	0.217	0.434	-0.434
13	0.008	0.218	0.435	-0.435
14	0.227	0.218	0.435	-0.435
15	0.013	0.221	0.442	-0.442

Gordon River Extension Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

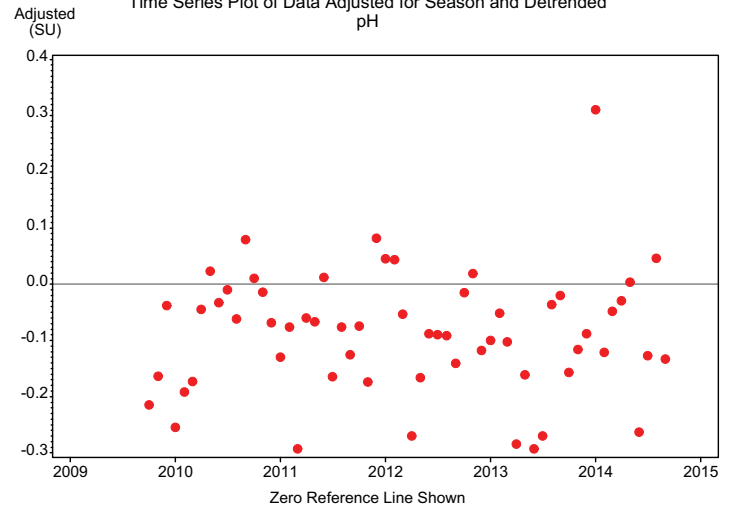
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.233	0.056	0.081	0.02

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.23333	0.056238	0.081361	0.019917

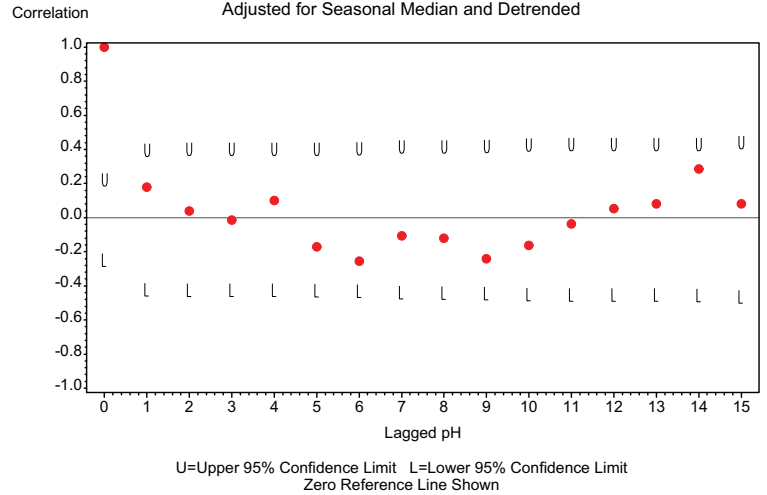
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



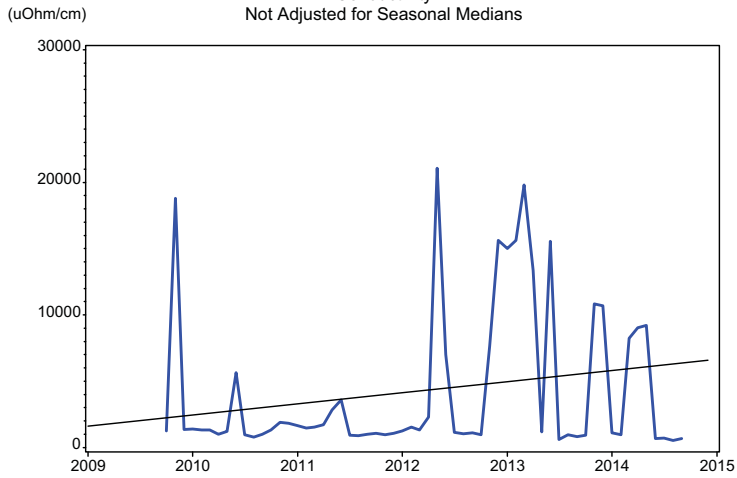
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.178	0.204	0.408	-0.408
2	0.038	0.206	0.413	-0.413
3	-0.014	0.206	0.413	-0.413
4	0.100	0.206	0.413	-0.413
5	-0.171	0.207	0.414	-0.414
6	-0.255	0.209	0.418	-0.418
7	-0.108	0.213	0.427	-0.427
8	-0.122	0.214	0.428	-0.428
9	-0.242	0.215	0.430	-0.430
10	-0.163	0.219	0.438	-0.438
11	-0.038	0.220	0.441	-0.441
12	0.054	0.221	0.441	-0.441
13	0.081	0.221	0.441	-0.441
14	0.285	0.221	0.442	-0.442
15	0.082	0.226	0.452	-0.452

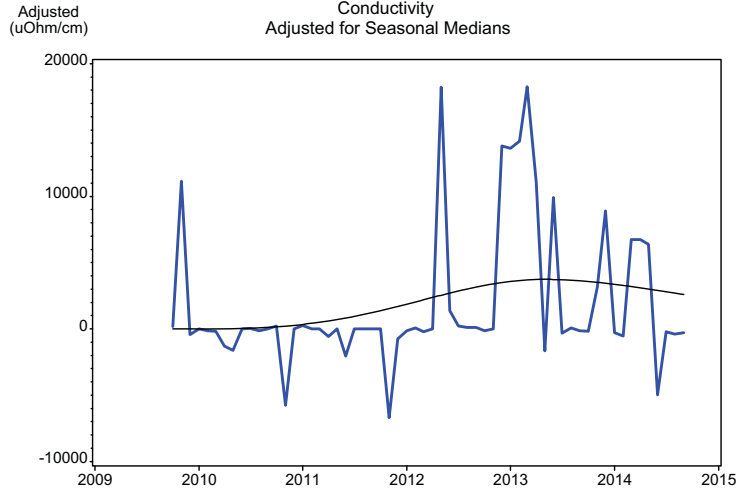
Gordon River Extension Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



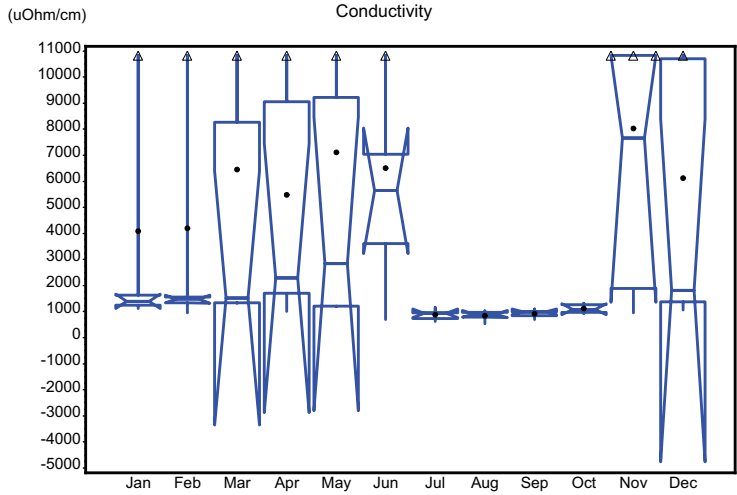
Gordon River Extension Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



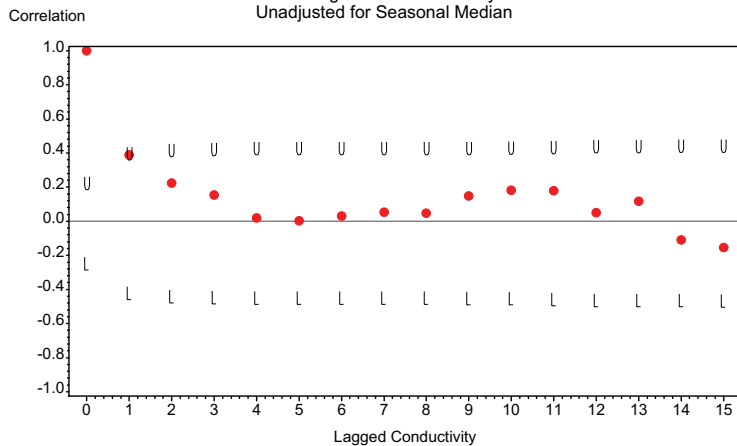
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Conductivity



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.388	0.204	0.408	-0.408
2	0.224	0.214	0.428	-0.428
3	0.154	0.217	0.435	-0.435
4	0.020	0.219	0.438	-0.438
5	0.002	0.219	0.438	-0.438
6	0.030	0.219	0.438	-0.438
7	0.052	0.219	0.438	-0.438
8	0.046	0.219	0.438	-0.438
9	0.149	0.219	0.439	-0.439
10	0.182	0.221	0.441	-0.441
11	0.180	0.223	0.445	-0.445
12	0.050	0.225	0.450	-0.450
13	0.118	0.225	0.450	-0.450
14	-0.109	0.226	0.452	-0.452
15	-0.154	0.226	0.453	-0.453

Gordon River Extension Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

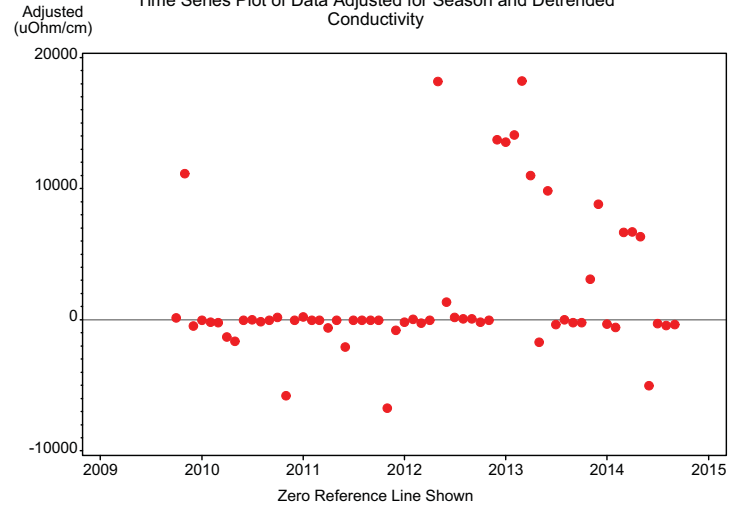
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	12.25

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	12.25

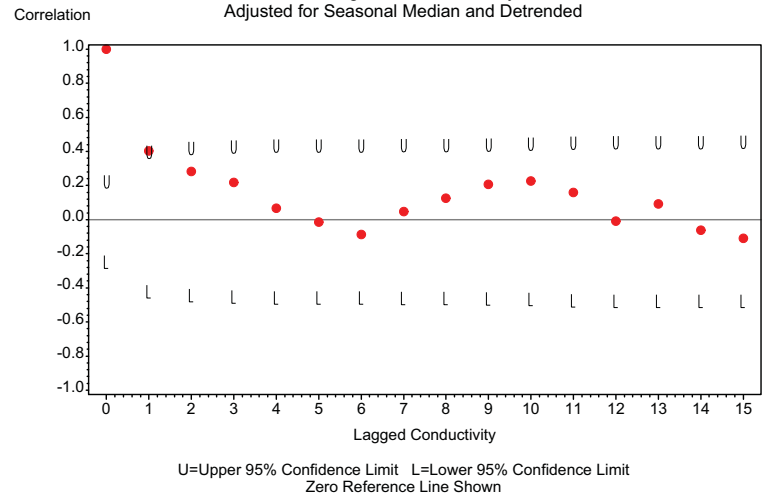
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



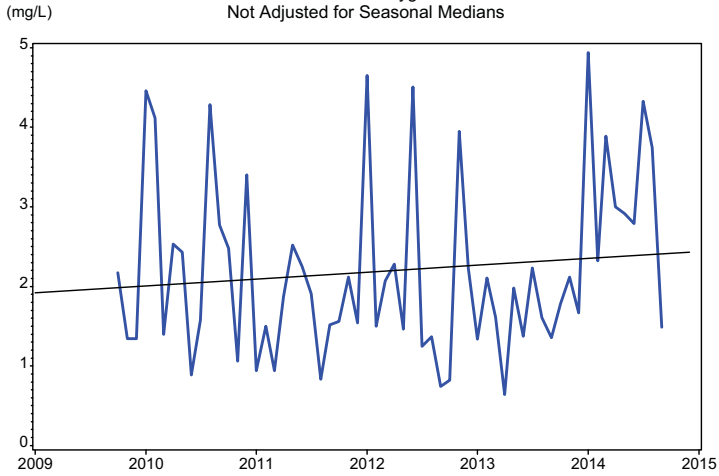
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.402	0.204	0.408	-0.408
2	0.282	0.215	0.430	-0.430
3	0.217	0.220	0.440	-0.440
4	0.068	0.223	0.446	-0.446
5	-0.014	0.223	0.446	-0.446
6	-0.086	0.223	0.446	-0.446
7	0.047	0.224	0.447	-0.447
8	0.126	0.224	0.448	-0.448
9	0.208	0.225	0.450	-0.450
10	0.227	0.227	0.455	-0.455
11	0.160	0.231	0.461	-0.461
12	-0.010	0.232	0.464	-0.464
13	0.093	0.232	0.464	-0.464
14	-0.062	0.233	0.465	-0.465
15	-0.109	0.233	0.466	-0.466

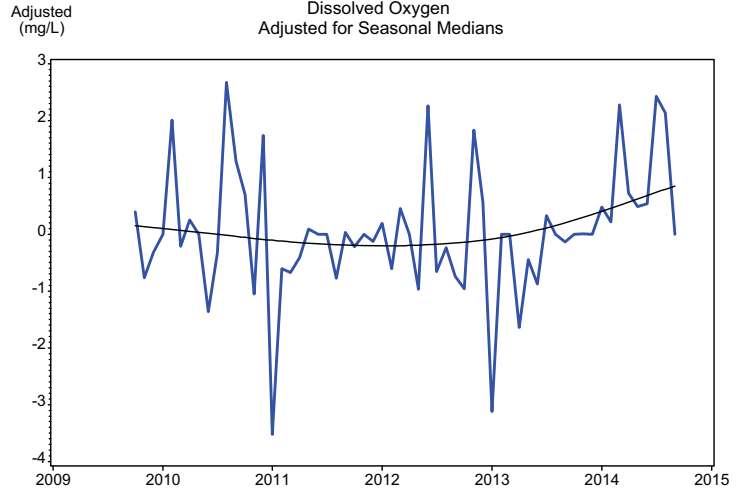
Gordon River Extension Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



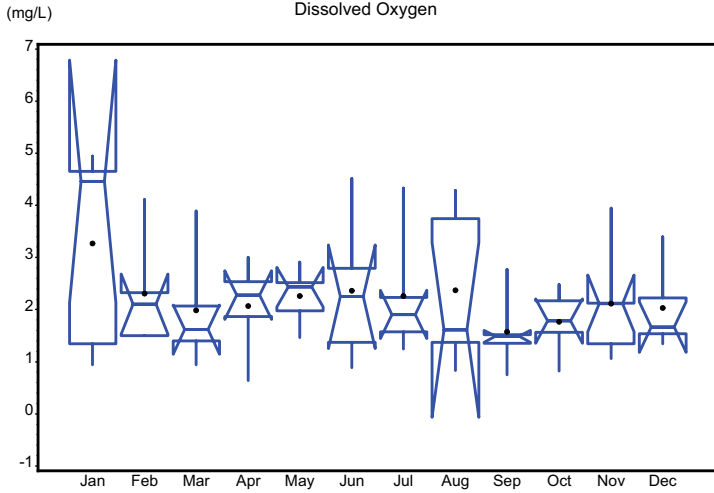
Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Adjusted for Seasonal Medians



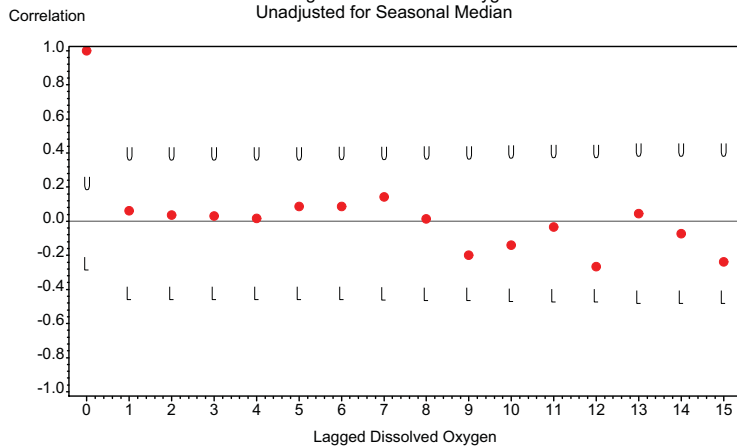
Gordon River Extension Trends Appendix
 Seasonal Univariate Statistics
 Dissolved Oxygen



Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.061	0.204	0.408	-0.408
2	0.036	0.204	0.409	-0.409
3	0.031	0.204	0.409	-0.409
4	0.015	0.205	0.409	-0.409
5	0.085	0.205	0.409	-0.409
6	0.085	0.205	0.410	-0.410
7	0.142	0.206	0.411	-0.411
8	0.014	0.207	0.414	-0.414
9	-0.200	0.207	0.414	-0.414
10	-0.141	0.210	0.419	-0.419
11	-0.035	0.211	0.422	-0.422
12	-0.267	0.211	0.422	-0.422
13	0.043	0.216	0.431	-0.431
14	-0.074	0.216	0.431	-0.431
15	-0.238	0.216	0.432	-0.432

Gordon River Extension Trends Appendix
 Correlogram for Dissolved Oxygen
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

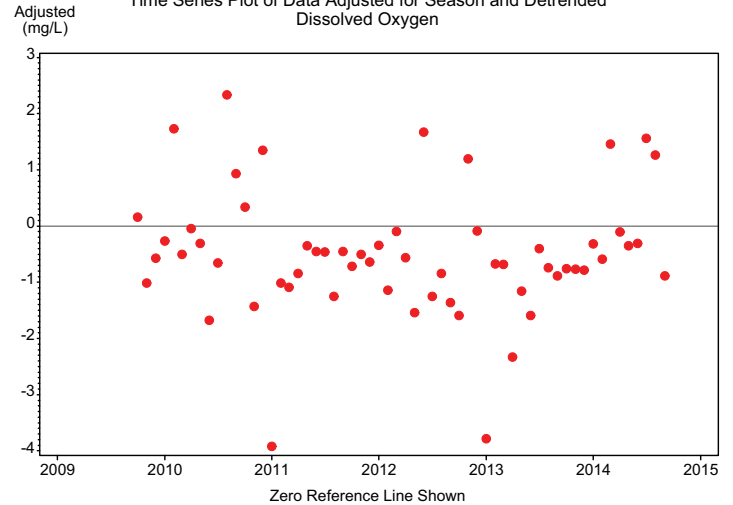
Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.208	0.089	0.276	0.132

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.20833	0.088884	0.27647	0.13233

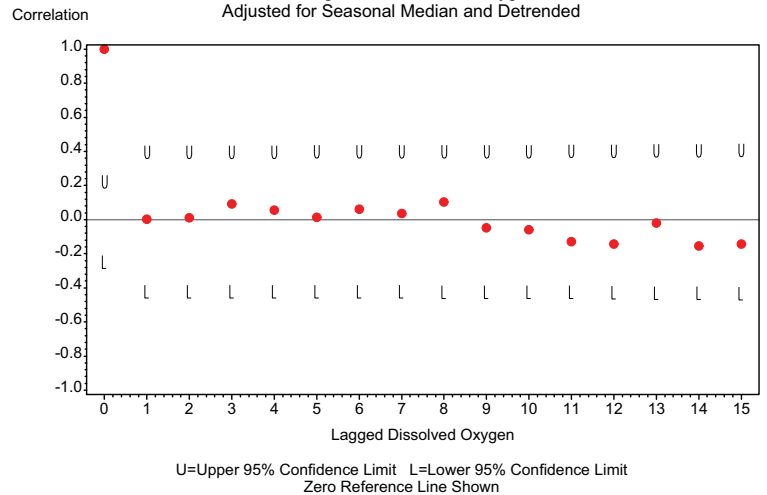
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



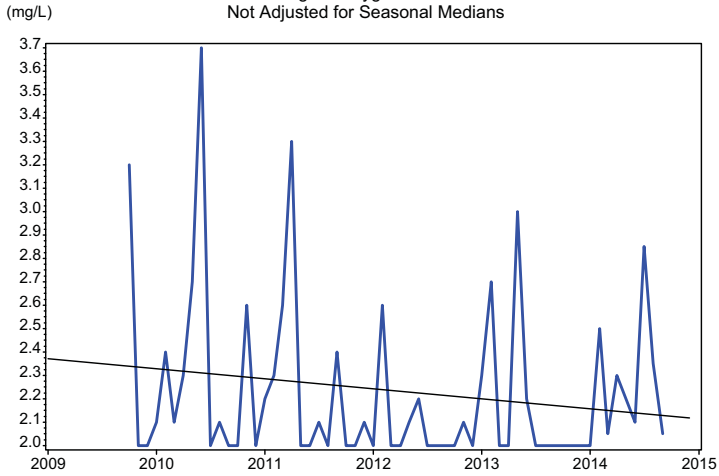
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.002	0.204	0.408	-0.408
2	0.010	0.204	0.408	-0.408
3	0.091	0.204	0.408	-0.408
4	0.055	0.205	0.409	-0.409
5	0.014	0.205	0.410	-0.410
6	0.062	0.205	0.410	-0.410
7	0.036	0.205	0.410	-0.410
8	0.103	0.205	0.411	-0.411
9	-0.049	0.206	0.412	-0.412
10	-0.060	0.206	0.412	-0.412
11	-0.130	0.206	0.413	-0.413
12	-0.144	0.208	0.415	-0.415
13	-0.019	0.209	0.418	-0.418
14	-0.155	0.209	0.418	-0.418
15	-0.144	0.211	0.421	-0.421

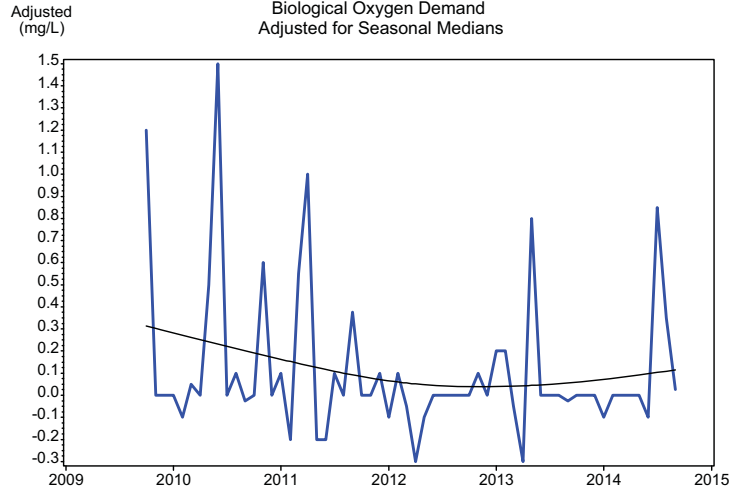
Gordon River Extension Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



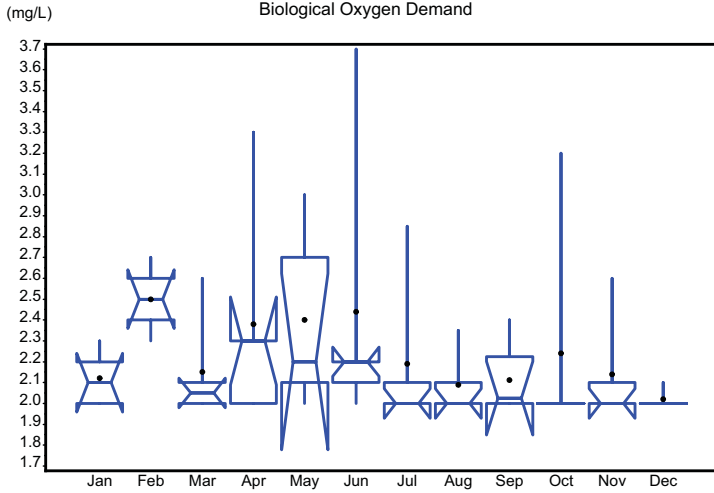
Gordon River Extension Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



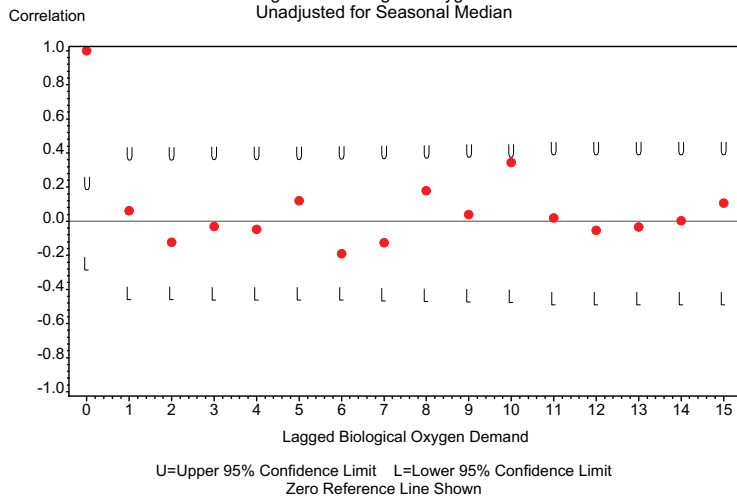
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.060	0.204	0.408	-0.408
2	-0.125	0.204	0.409	-0.409
3	-0.032	0.205	0.411	-0.411
4	-0.048	0.205	0.411	-0.411
5	0.120	0.206	0.411	-0.411
6	-0.191	0.207	0.413	-0.413
7	-0.126	0.209	0.418	-0.418
8	0.180	0.210	0.420	-0.420
9	0.038	0.212	0.424	-0.424
10	0.343	0.212	0.425	-0.425
11	0.020	0.220	0.440	-0.440
12	-0.055	0.220	0.440	-0.440
13	-0.035	0.220	0.440	-0.440
14	0.003	0.220	0.440	-0.440
15	0.106	0.220	0.440	-0.440

Gordon River Extension Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



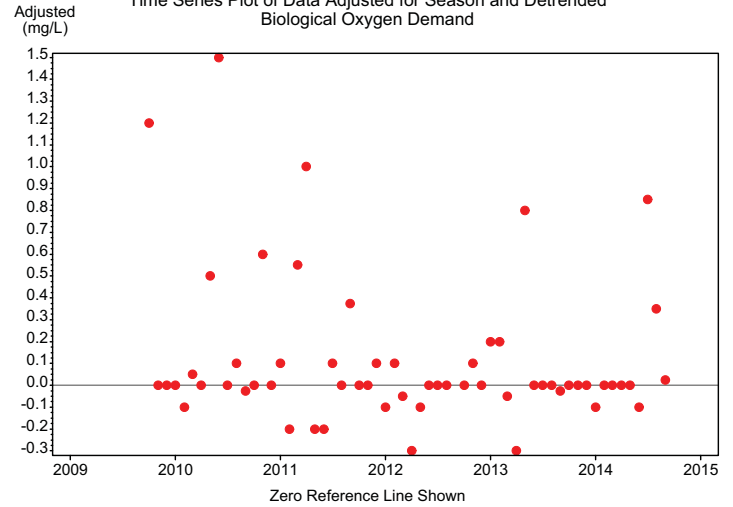
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.026	0.873	0.839	0

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.025862	0.87345	0.83908	0

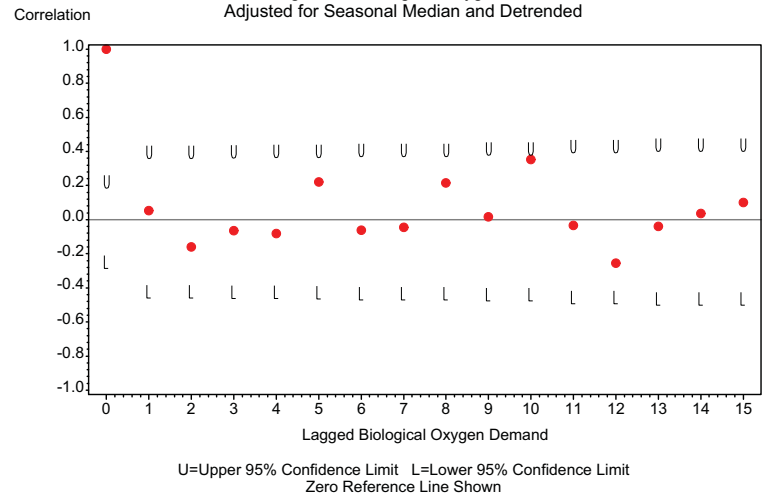
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



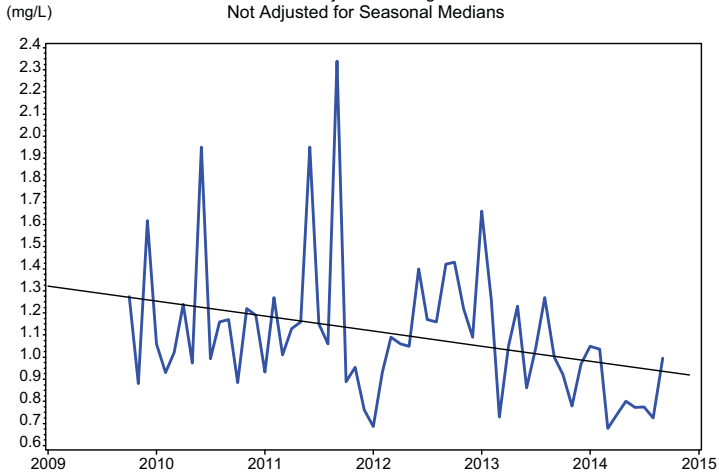
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.053	0.204	0.408	-0.408
2	-0.159	0.204	0.409	-0.409
3	-0.066	0.206	0.412	-0.412
4	-0.081	0.206	0.413	-0.413
5	0.220	0.207	0.414	-0.414
6	-0.063	0.210	0.420	-0.420
7	-0.046	0.210	0.421	-0.421
8	0.216	0.210	0.421	-0.421
9	0.016	0.213	0.427	-0.427
10	0.352	0.213	0.427	-0.427
11	-0.034	0.221	0.443	-0.443
12	-0.254	0.221	0.443	-0.443
13	-0.040	0.225	0.451	-0.451
14	0.036	0.226	0.451	-0.451
15	0.099	0.226	0.451	-0.451

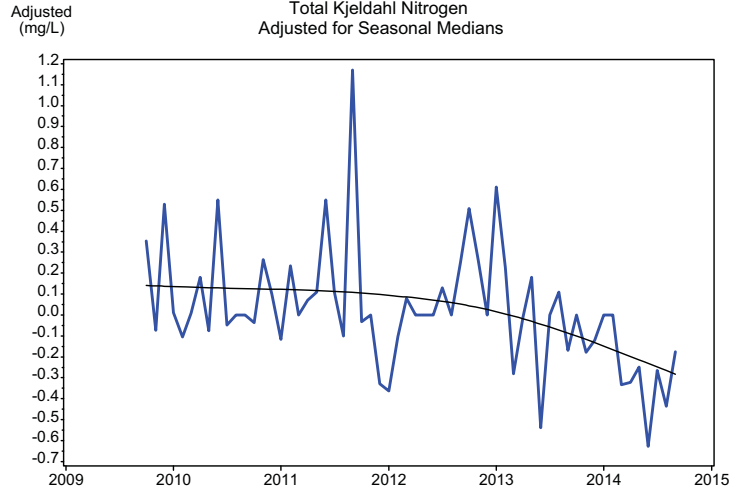
Gordon River Extension Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



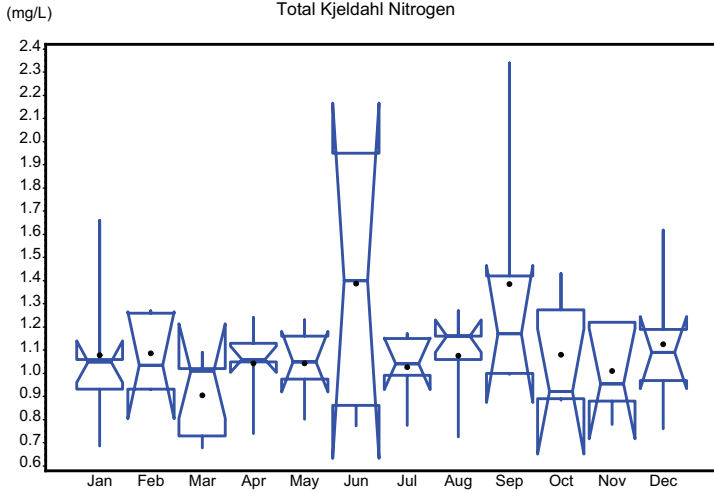
Gordon River Extension Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



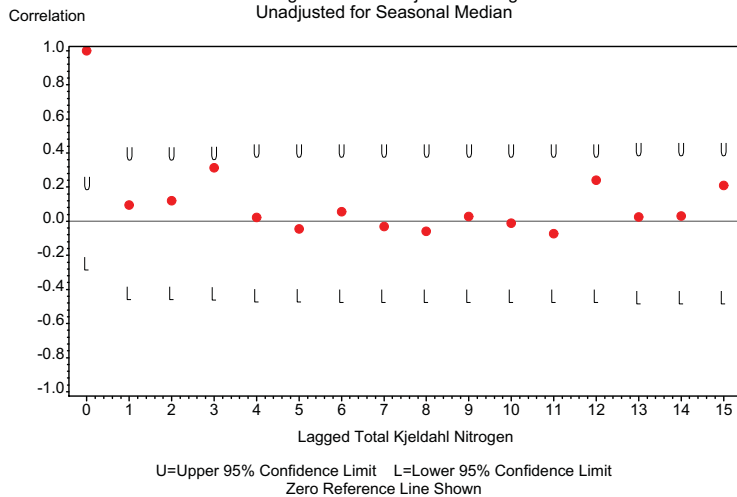
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.095	0.204	0.408	-0.408
2	0.121	0.205	0.409	-0.409
3	0.312	0.206	0.411	-0.411
4	0.022	0.212	0.424	-0.424
5	-0.044	0.212	0.424	-0.424
6	0.055	0.212	0.425	-0.425
7	-0.030	0.213	0.425	-0.425
8	-0.060	0.213	0.425	-0.425
9	0.027	0.213	0.426	-0.426
10	-0.012	0.213	0.426	-0.426
11	-0.072	0.213	0.426	-0.426
12	0.241	0.213	0.426	-0.426
13	0.025	0.217	0.434	-0.434
14	0.030	0.217	0.434	-0.434
15	0.210	0.217	0.434	-0.434

Gordon River Extension Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



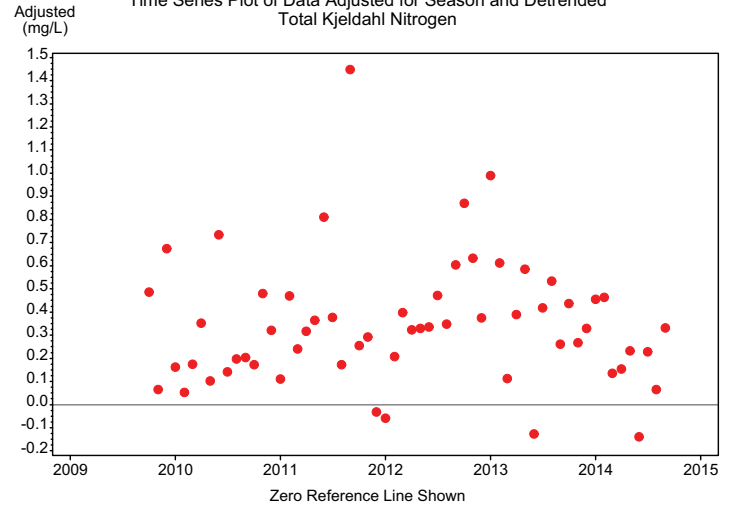
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.308	0.01	0.079	-0.076

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.30833	0.010321	0.078864	-0.076

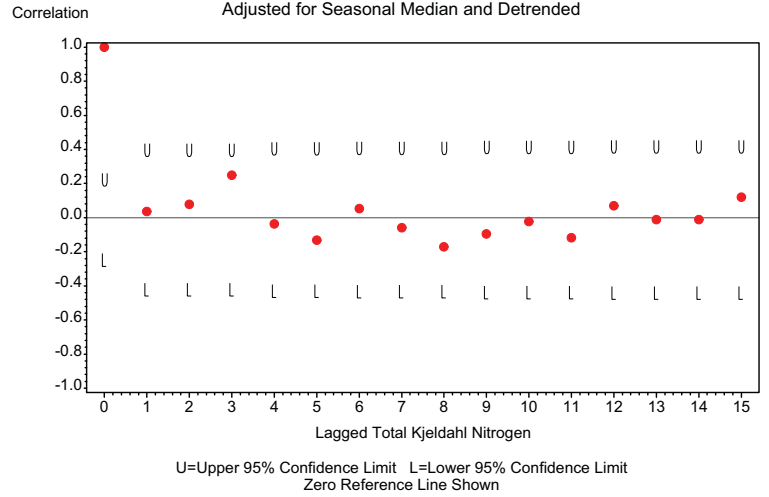
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



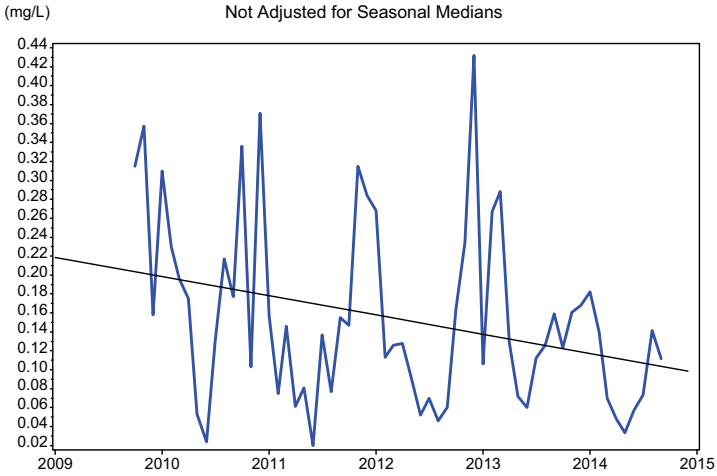
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.036	0.204	0.408	-0.408
2	0.078	0.204	0.408	-0.408
3	0.250	0.205	0.409	-0.409
4	-0.038	0.209	0.418	-0.418
5	-0.133	0.209	0.418	-0.418
6	0.052	0.210	0.420	-0.420
7	-0.058	0.210	0.421	-0.421
8	-0.171	0.211	0.421	-0.421
9	-0.096	0.212	0.425	-0.425
10	-0.024	0.213	0.426	-0.426
11	-0.119	0.213	0.426	-0.426
12	0.069	0.214	0.428	-0.428
13	-0.011	0.214	0.429	-0.429
14	-0.011	0.214	0.429	-0.429
15	0.119	0.214	0.429	-0.429

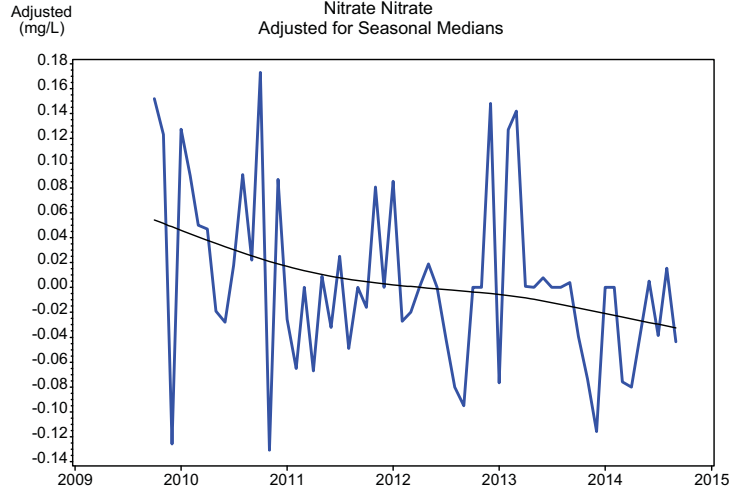
Gordon River Extension Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



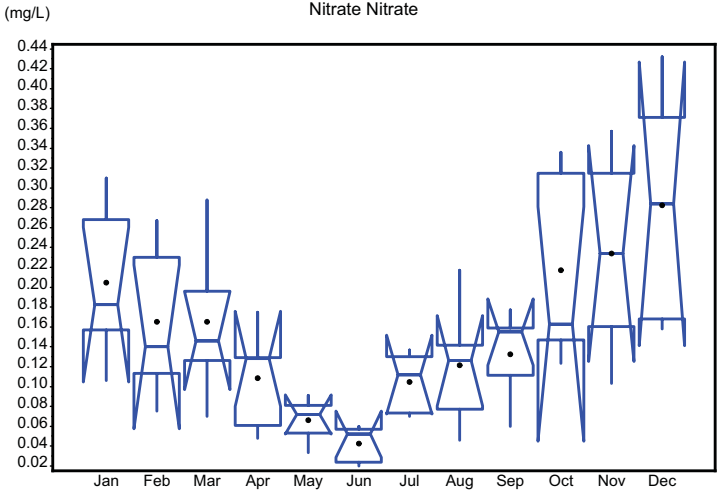
Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Adjusted for Seasonal Medians



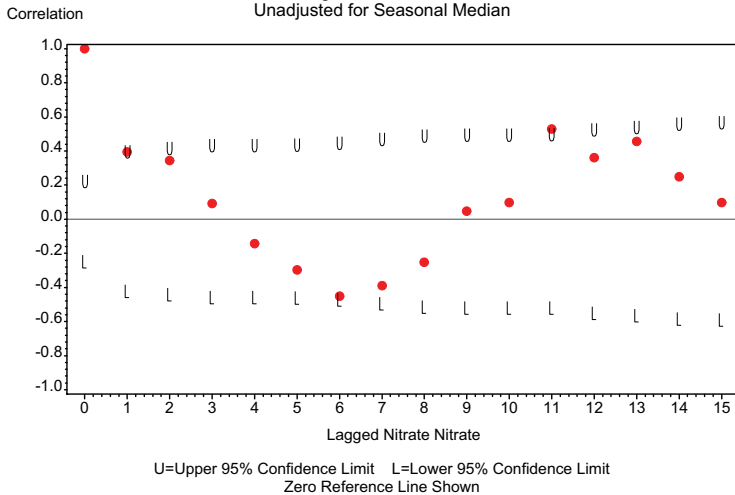
Gordon River Extension Trends Appendix
 Seasonal Univariate Statistics
 Nitrate Nitrate



Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.395	0.204	0.408	-0.408
2	0.343	0.214	0.429	-0.429
3	0.091	0.222	0.444	-0.444
4	-0.143	0.222	0.445	-0.445
5	-0.297	0.224	0.447	-0.447
6	-0.450	0.229	0.458	-0.458
7	-0.390	0.241	0.482	-0.482
8	-0.253	0.250	0.500	-0.500
9	0.046	0.253	0.507	-0.507
10	0.097	0.253	0.507	-0.507
11	0.528	0.254	0.508	-0.508
12	0.362	0.269	0.537	-0.537
13	0.457	0.275	0.551	-0.551
14	0.250	0.286	0.572	-0.572
15	0.098	0.289	0.578	-0.578

Gordon River Extension Trends Appendix
 Correlogram for Nitrate Nitrate
 Unadjusted for Seasonal Median



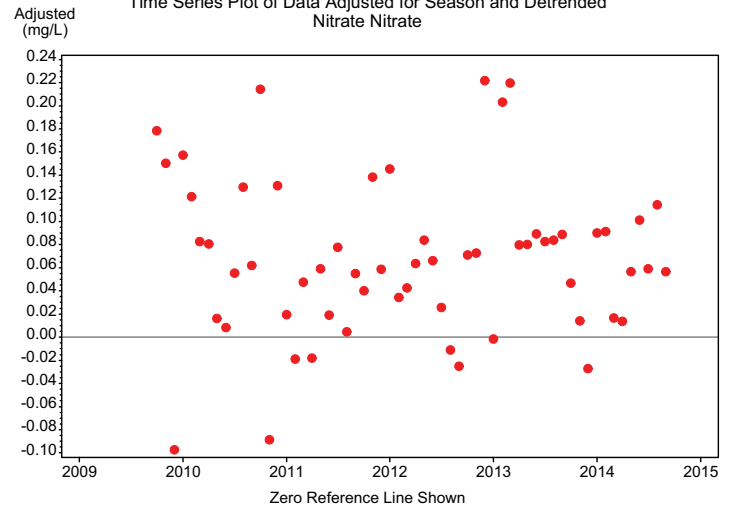
Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.183	0.138	0.201	-0.015

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.18333	0.13756	0.20069	-0.015

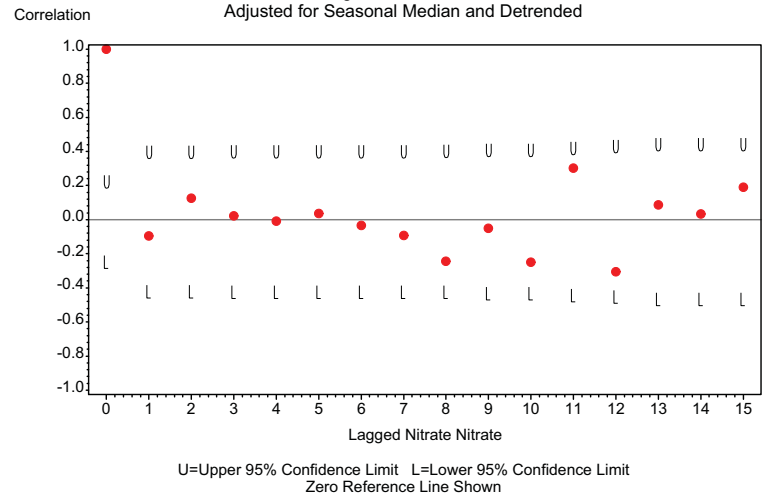
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



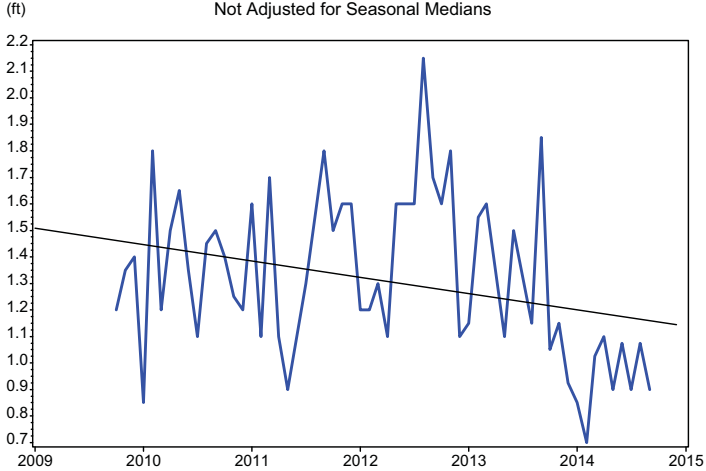
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.095	0.204	0.408	-0.408
2	0.126	0.205	0.409	-0.409
3	0.023	0.206	0.412	-0.412
4	-0.010	0.206	0.412	-0.412
5	0.035	0.206	0.412	-0.412
6	-0.033	0.206	0.412	-0.412
7	-0.093	0.206	0.412	-0.412
8	-0.244	0.207	0.413	-0.413
9	-0.051	0.211	0.421	-0.421
10	-0.249	0.211	0.421	-0.421
11	0.303	0.215	0.430	-0.430
12	-0.305	0.221	0.441	-0.441
13	0.086	0.226	0.453	-0.453
14	0.032	0.227	0.454	-0.454
15	0.189	0.227	0.454	-0.454

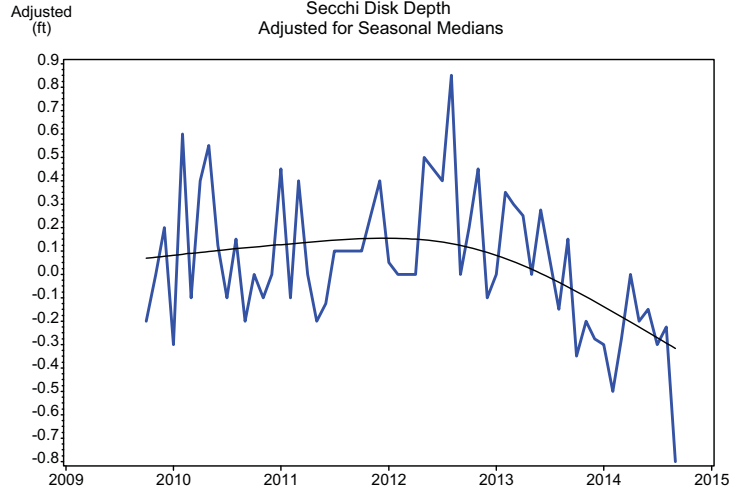
Gordon River Extension Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



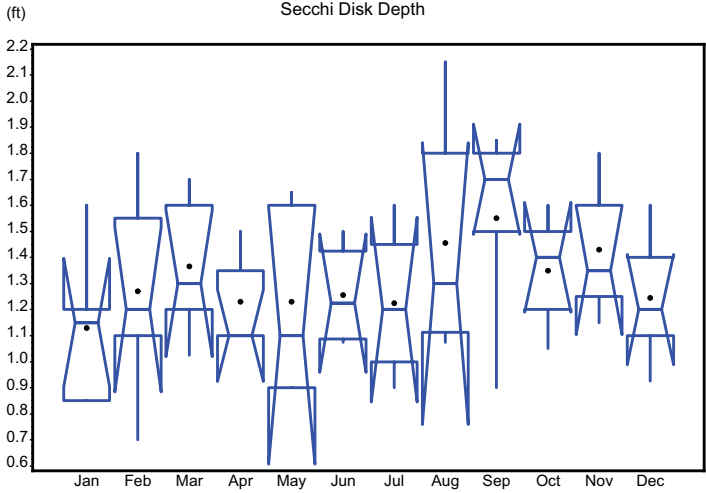
Gordon River Extension Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



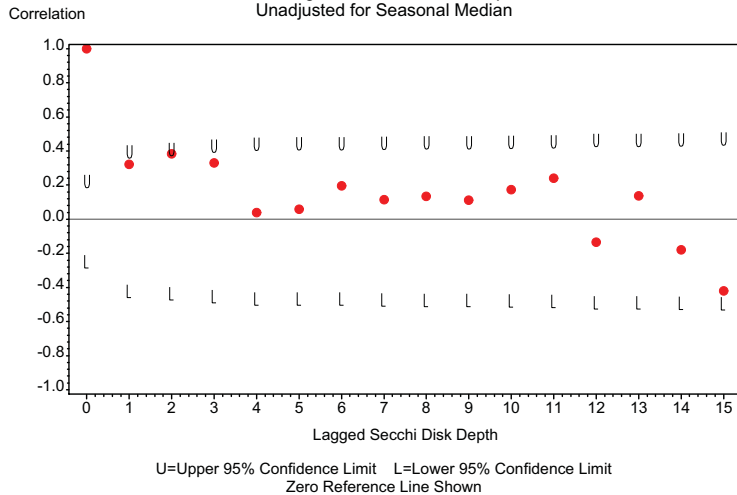
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.321	0.204	0.408	-0.408
2	0.383	0.211	0.422	-0.422
3	0.330	0.220	0.441	-0.441
4	0.040	0.227	0.454	-0.454
5	0.057	0.227	0.455	-0.455
6	0.195	0.227	0.455	-0.455
7	0.115	0.230	0.460	-0.460
8	0.134	0.231	0.461	-0.461
9	0.111	0.232	0.463	-0.463
10	0.173	0.232	0.465	-0.465
11	0.239	0.234	0.468	-0.468
12	-0.134	0.238	0.475	-0.475
13	0.136	0.239	0.477	-0.477
14	-0.180	0.240	0.479	-0.479
15	-0.420	0.242	0.483	-0.483

Gordon River Extension Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



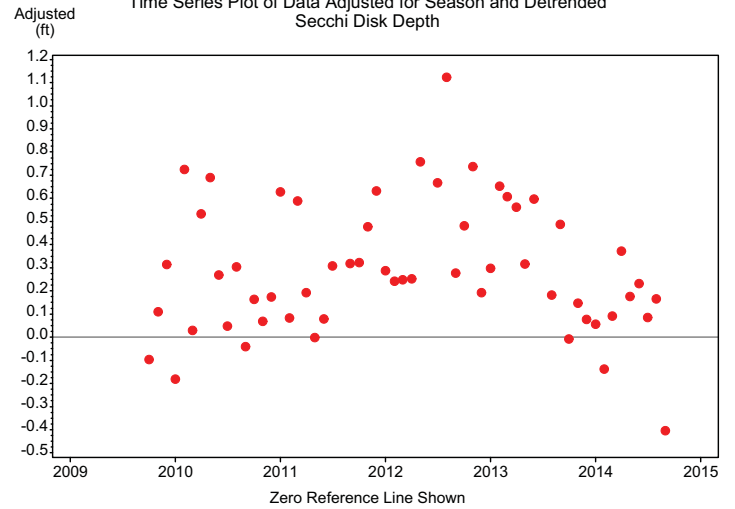
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.25	0.046	0.235	-0.059

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.25	0.046354	0.23517	-0.059375

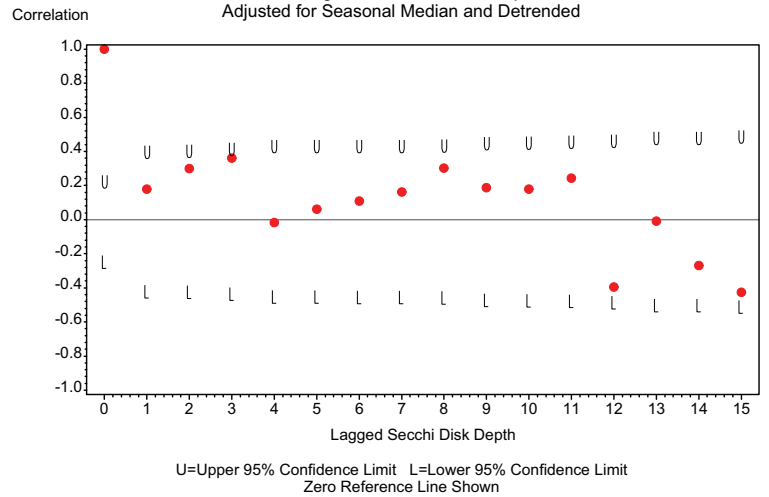
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



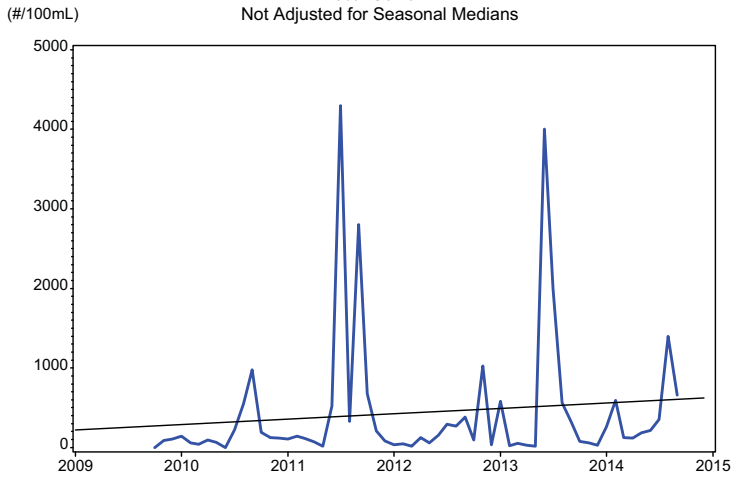
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.179	0.204	0.408	-0.408
2	0.298	0.206	0.413	-0.413
3	0.360	0.212	0.424	-0.424
4	-0.018	0.221	0.441	-0.441
5	0.061	0.221	0.441	-0.441
6	0.110	0.221	0.442	-0.442
7	0.161	0.222	0.443	-0.443
8	0.303	0.223	0.446	-0.446
9	0.187	0.229	0.458	-0.458
10	0.178	0.231	0.462	-0.462
11	0.242	0.233	0.466	-0.466
12	-0.394	0.236	0.473	-0.473
13	-0.009	0.245	0.490	-0.490
14	-0.268	0.245	0.490	-0.490
15	-0.425	0.249	0.498	-0.498

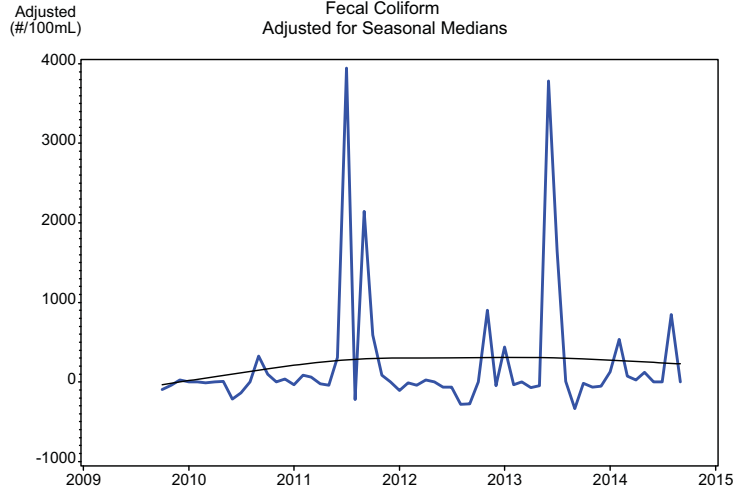
Gordon River Extension Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



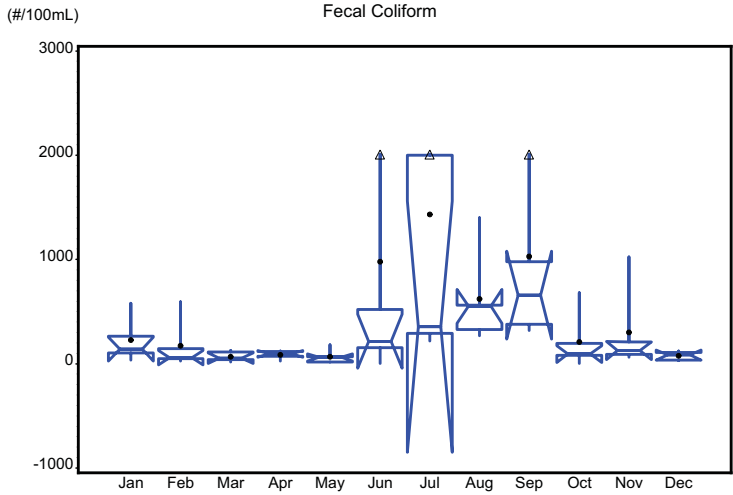
Gordon River Extension Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Gordon River Extension Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



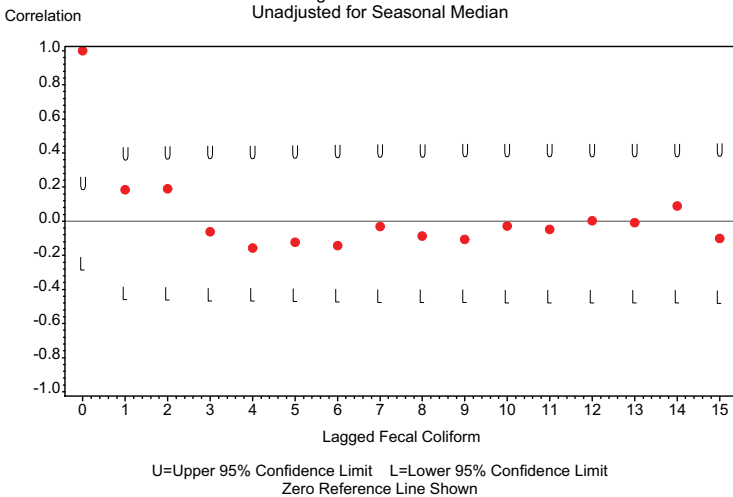
Gordon River Extension Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Gordon River Extension Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.185	0.204	0.408	-0.408
2	0.189	0.206	0.413	-0.413
3	-0.061	0.209	0.418	-0.418
4	-0.158	0.209	0.418	-0.418
5	-0.123	0.211	0.421	-0.421
6	-0.142	0.212	0.423	-0.423
7	-0.031	0.213	0.426	-0.426
8	-0.087	0.213	0.426	-0.426
9	-0.108	0.214	0.427	-0.427
10	-0.029	0.214	0.429	-0.429
11	-0.048	0.214	0.429	-0.429
12	0.001	0.215	0.429	-0.429
13	-0.009	0.215	0.429	-0.429
14	0.089	0.215	0.429	-0.429
15	-0.102	0.215	0.430	-0.430

Gordon River Extension Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



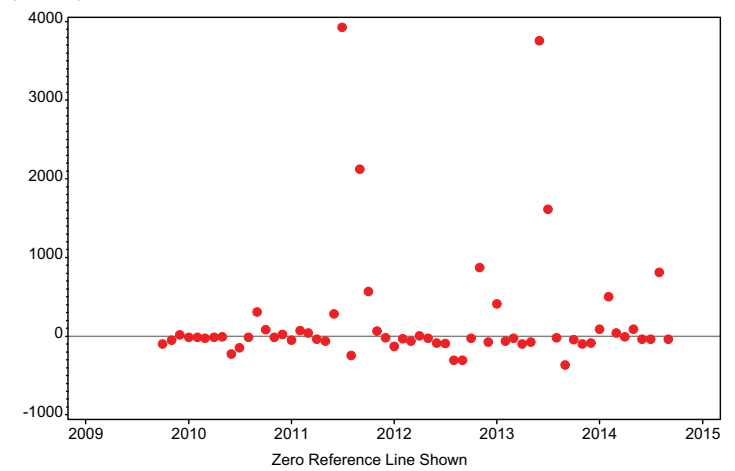
Gordon River Extension Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.05	0.724	0.801	5.583

Gordon River Extension Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.05	0.72367	0.80096	5.58333

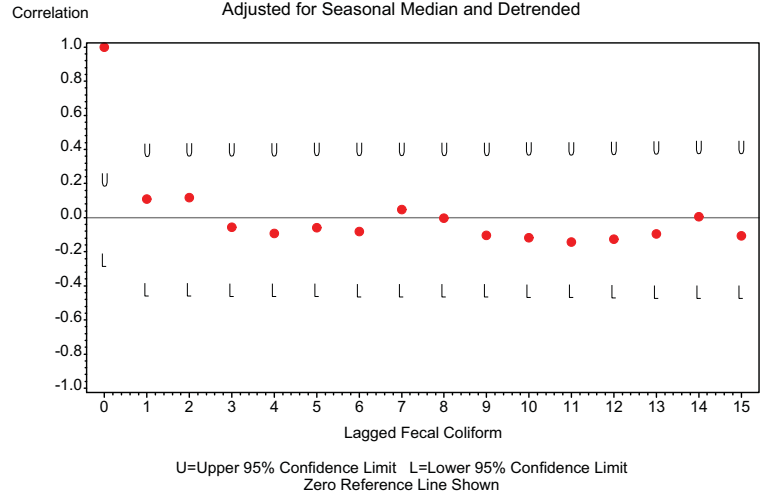
Gordon River Extension Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



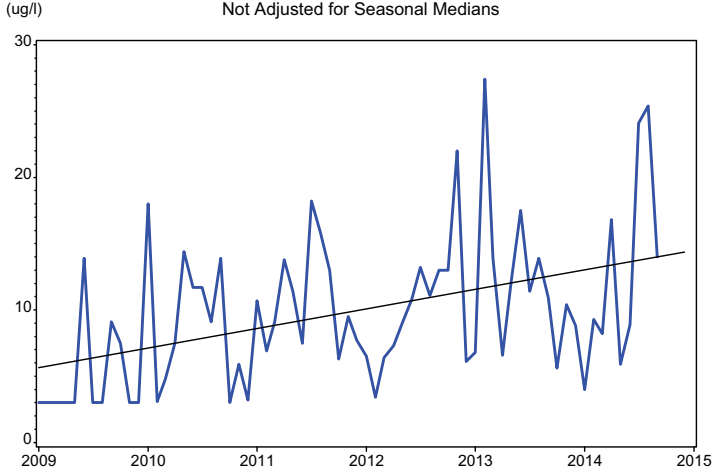
Gordon River Extension Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.109	0.204	0.408	-0.408
2	0.118	0.205	0.410	-0.410
3	-0.056	0.206	0.412	-0.412
4	-0.092	0.206	0.412	-0.412
5	-0.058	0.207	0.413	-0.413
6	-0.082	0.207	0.414	-0.414
7	0.048	0.207	0.415	-0.415
8	-0.004	0.208	0.415	-0.415
9	-0.103	0.208	0.415	-0.415
10	-0.119	0.208	0.416	-0.416
11	-0.143	0.209	0.418	-0.418
12	-0.127	0.211	0.421	-0.421
13	-0.095	0.212	0.423	-0.423
14	0.005	0.212	0.424	-0.424
15	-0.107	0.212	0.424	-0.424

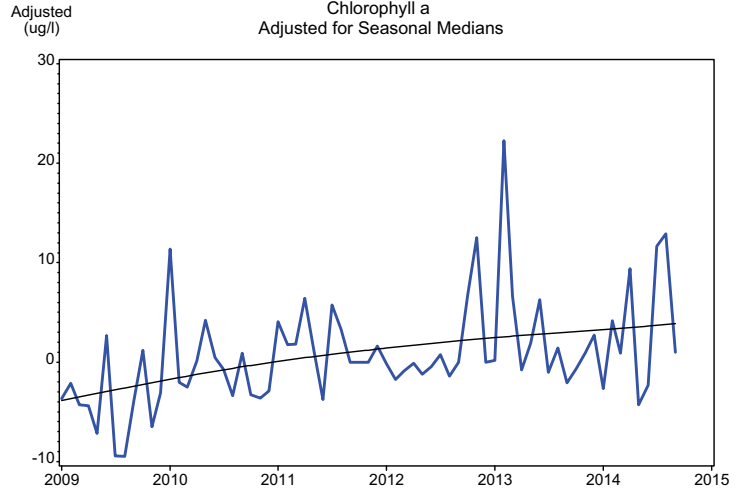
Gordon River Extension Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



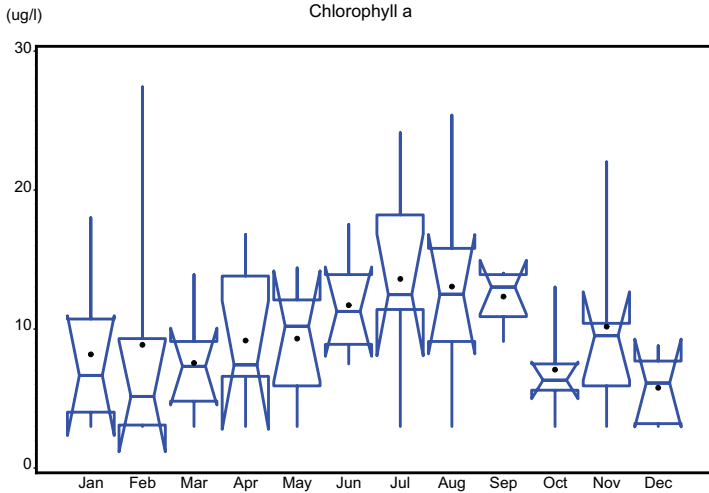
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



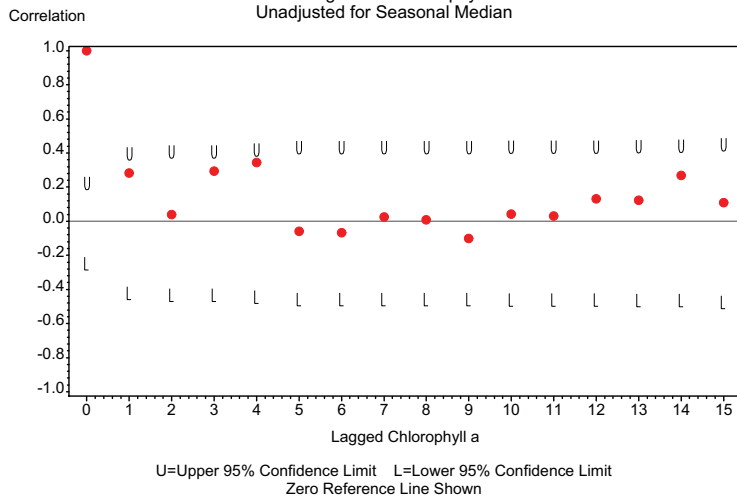
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.281	0.204	0.408	-0.408
2	0.040	0.209	0.419	-0.419
3	0.293	0.210	0.419	-0.419
4	0.344	0.215	0.430	-0.430
5	-0.060	0.223	0.445	-0.445
6	-0.068	0.223	0.446	-0.446
7	0.024	0.223	0.446	-0.446
8	0.009	0.223	0.446	-0.446
9	-0.100	0.223	0.446	-0.446
10	0.042	0.224	0.448	-0.448
11	0.030	0.224	0.448	-0.448
12	0.130	0.224	0.448	-0.448
13	0.122	0.225	0.450	-0.450
14	0.268	0.226	0.452	-0.452
15	0.108	0.230	0.461	-0.461

Haldeman Cr Lower Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



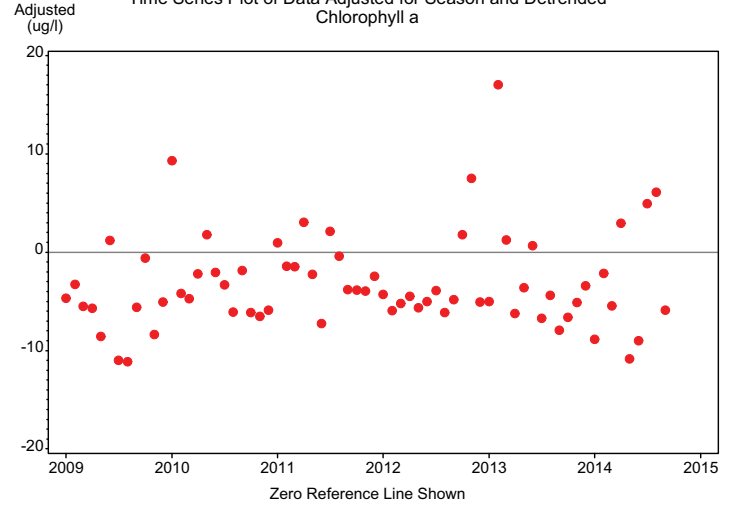
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.339	.002	0.08	1.033

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.33939	.00160789	0.080258	1.03333

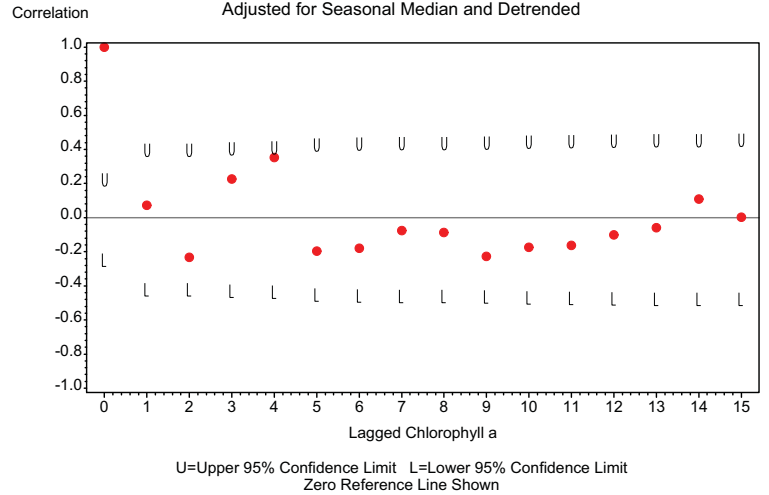
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



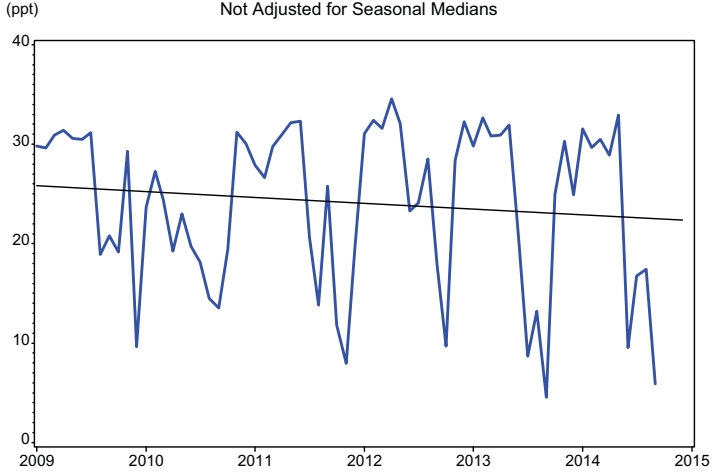
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.073	0.204	0.408	-0.408
2	-0.234	0.204	0.409	-0.409
3	0.226	0.208	0.416	-0.416
4	0.353	0.212	0.423	-0.423
5	-0.197	0.220	0.439	-0.439
6	-0.180	0.222	0.444	-0.444
7	-0.075	0.224	0.448	-0.448
8	-0.088	0.224	0.449	-0.449
9	-0.227	0.225	0.450	-0.450
10	-0.175	0.228	0.456	-0.456
11	-0.163	0.230	0.460	-0.460
12	-0.102	0.231	0.463	-0.463
13	-0.060	0.232	0.464	-0.464
14	0.108	0.232	0.465	-0.465
15	0.001	0.233	0.466	-0.466

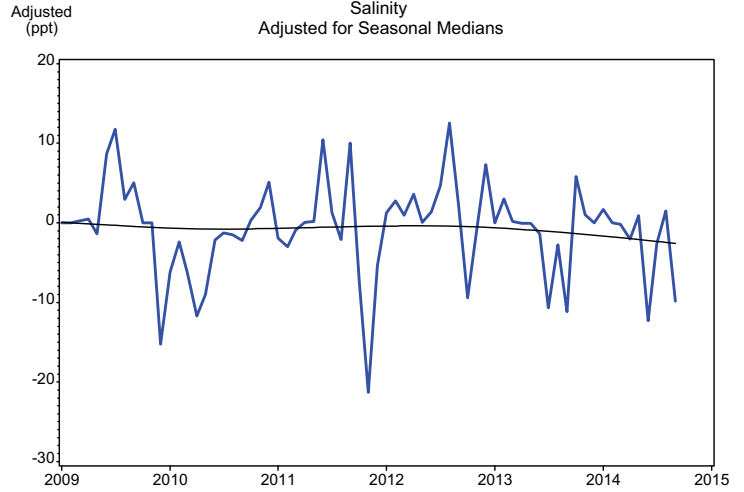
Haldeman Cr Lower Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



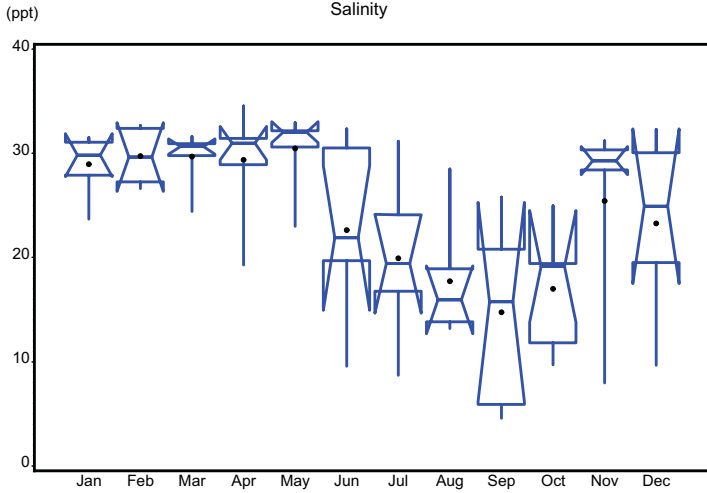
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



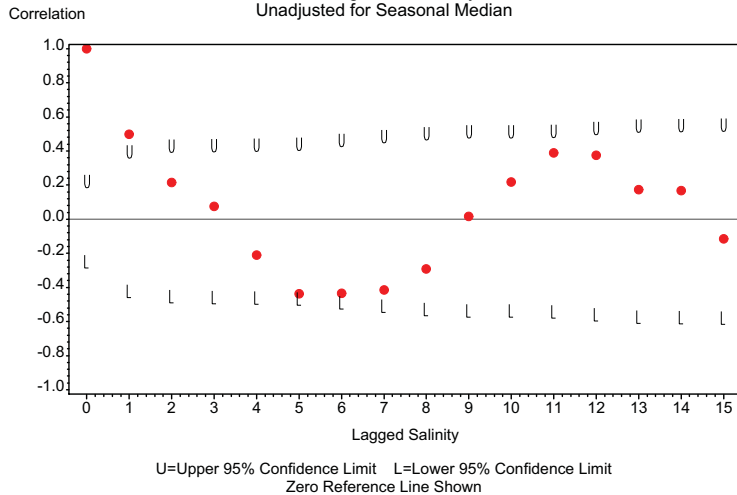
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Salinity



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.498	0.204	0.408	-0.408
2	0.214	0.220	0.441	-0.441
3	0.075	0.223	0.446	-0.446
4	-0.210	0.224	0.447	-0.447
5	-0.436	0.226	0.453	-0.453
6	-0.435	0.238	0.475	-0.475
7	-0.416	0.248	0.497	-0.497
8	-0.291	0.258	0.516	-0.516
9	0.015	0.262	0.525	-0.525
10	0.217	0.262	0.525	-0.525
11	0.388	0.265	0.530	-0.530
12	0.376	0.273	0.546	-0.546
13	0.172	0.280	0.560	-0.560
14	0.168	0.281	0.563	-0.563
15	-0.114	0.283	0.565	-0.565

Haldeman Cr Lower Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



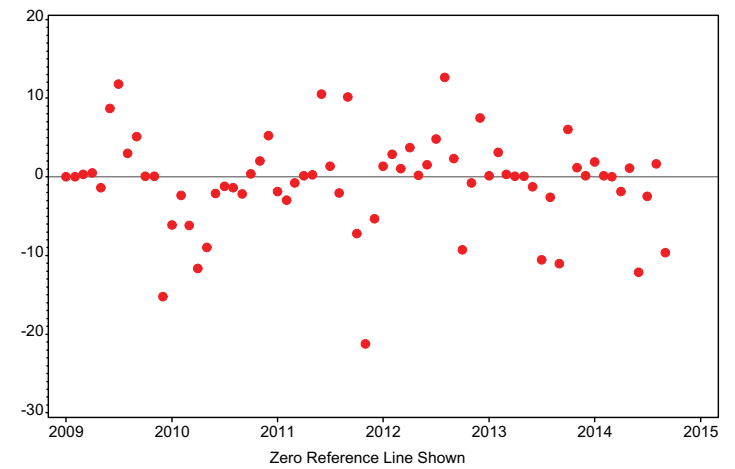
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-.006	1	1	-0.025

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.00606061	1	1	-0.025

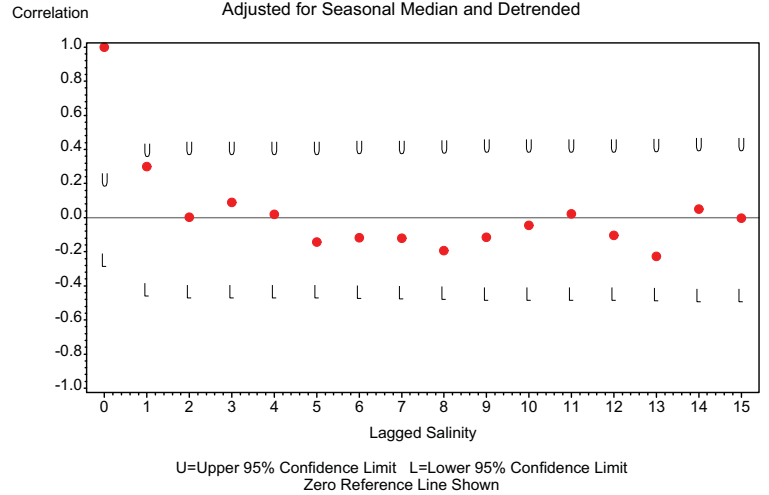
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



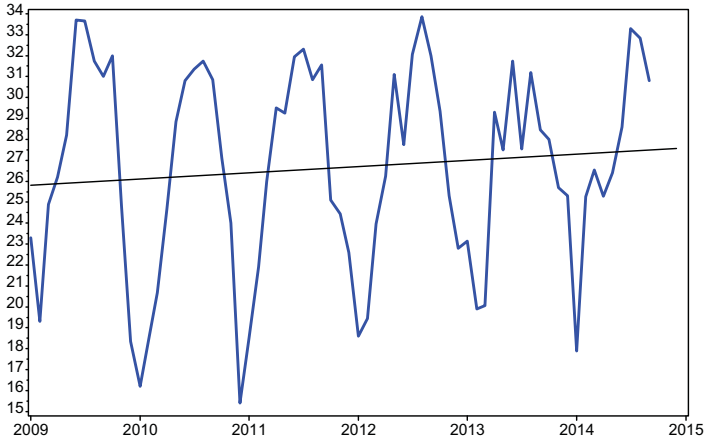
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.299	0.204	0.408	-0.408
2	0.003	0.210	0.420	-0.420
3	0.090	0.210	0.420	-0.420
4	0.019	0.211	0.421	-0.421
5	-0.142	0.211	0.421	-0.421
6	-0.119	0.212	0.424	-0.424
7	-0.122	0.213	0.426	-0.426
8	-0.195	0.214	0.428	-0.428
9	-0.115	0.216	0.433	-0.433
10	-0.044	0.217	0.434	-0.434
11	0.022	0.217	0.435	-0.435
12	-0.105	0.217	0.435	-0.435
13	-0.227	0.218	0.436	-0.436
14	0.049	0.221	0.443	-0.443
15	-0.003	0.221	0.443	-0.443

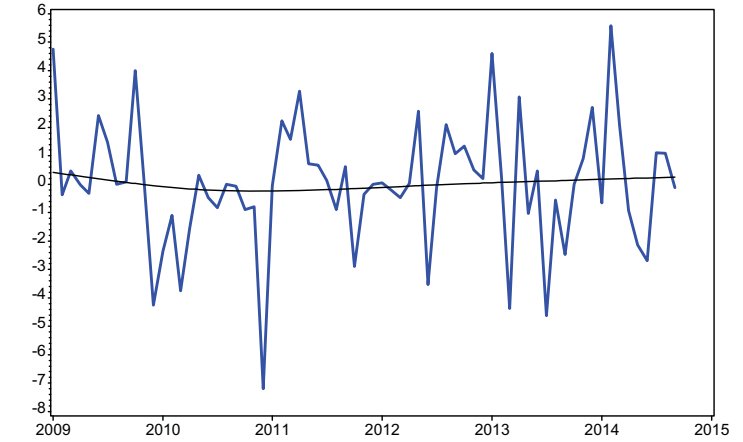
Haldeman Cr Lower Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



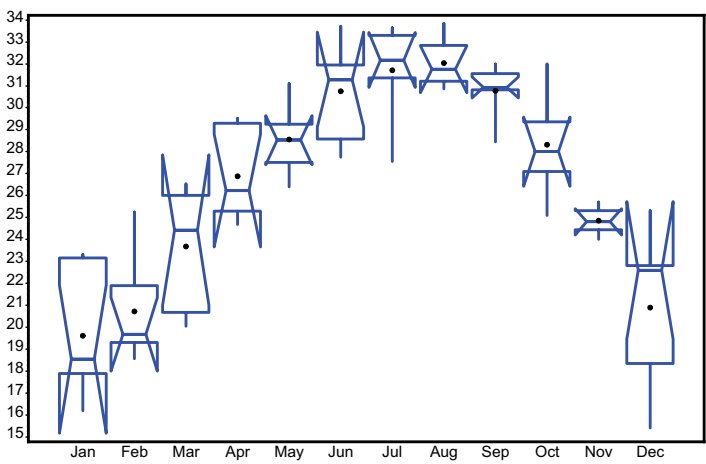
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



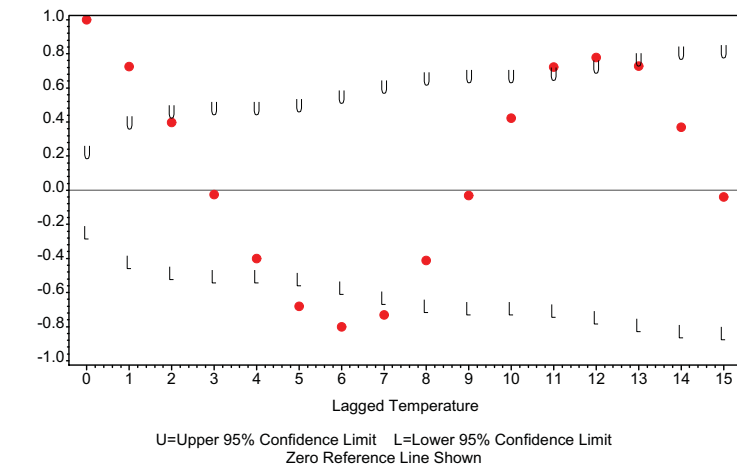
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Temperature



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.725	0.204	0.408	-0.408
2	0.397	0.237	0.474	-0.474
3	-0.026	0.246	0.493	-0.493
4	-0.400	0.246	0.493	-0.493
5	-0.682	0.255	0.510	-0.510
6	-0.802	0.279	0.559	-0.559
7	-0.731	0.310	0.619	-0.619
8	-0.411	0.333	0.666	-0.666
9	-0.031	0.340	0.680	-0.680
10	0.423	0.340	0.680	-0.680
11	0.723	0.347	0.694	-0.694
12	0.777	0.367	0.735	-0.735
13	0.727	0.390	0.779	-0.779
14	0.369	0.408	0.816	-0.816
15	-0.039	0.413	0.825	-0.825

Haldeman Cr Lower Trends Appendix
Corelogram for Temperature
Unadjusted for Seasonal Median



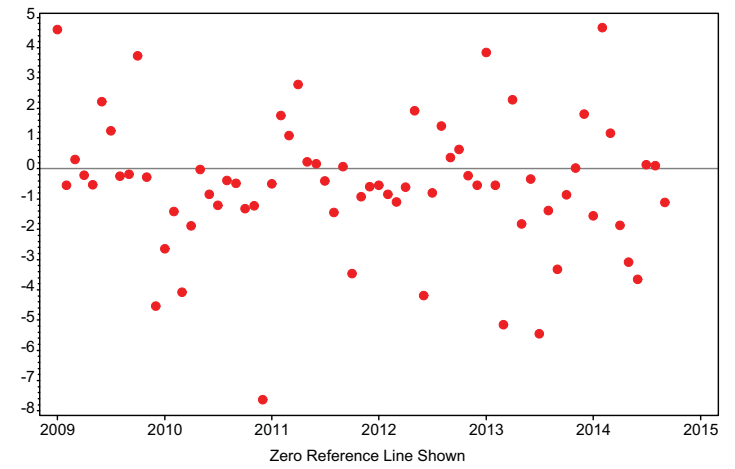
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.048	0.688	0.778	0.15

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.048485	0.68807	0.77803	0.15

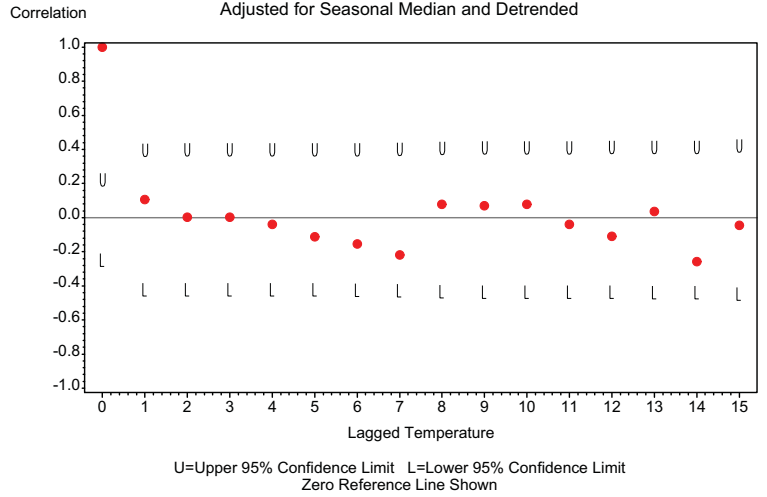
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



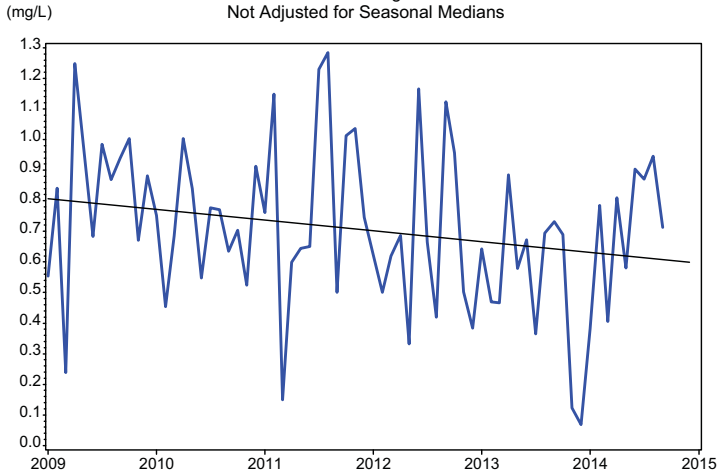
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.107	0.204	0.408	-0.408
2	0.001	0.205	0.410	-0.410
3	0.003	0.205	0.410	-0.410
4	-0.039	0.205	0.410	-0.410
5	-0.113	0.205	0.410	-0.410
6	-0.155	0.206	0.412	-0.412
7	-0.218	0.207	0.415	-0.415
8	0.077	0.211	0.421	-0.421
9	0.069	0.211	0.422	-0.422
10	0.077	0.211	0.423	-0.423
11	-0.040	0.212	0.423	-0.423
12	-0.109	0.212	0.424	-0.424
13	0.037	0.213	0.425	-0.425
14	-0.258	0.213	0.425	-0.425
15	-0.046	0.217	0.434	-0.434

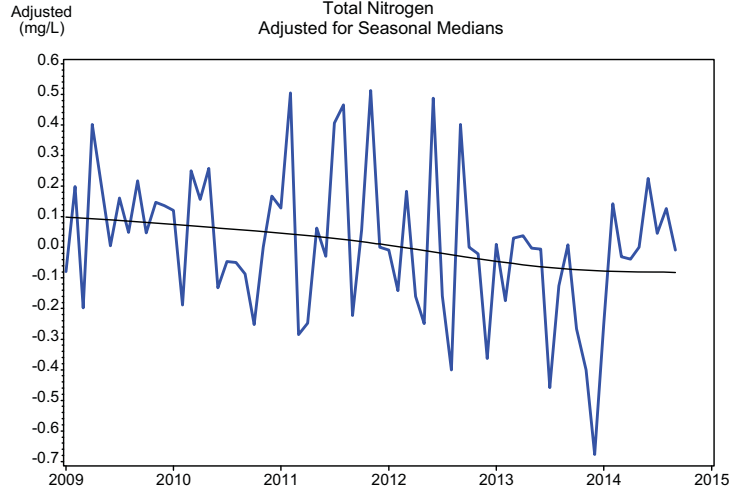
Haldeman Cr Lower Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



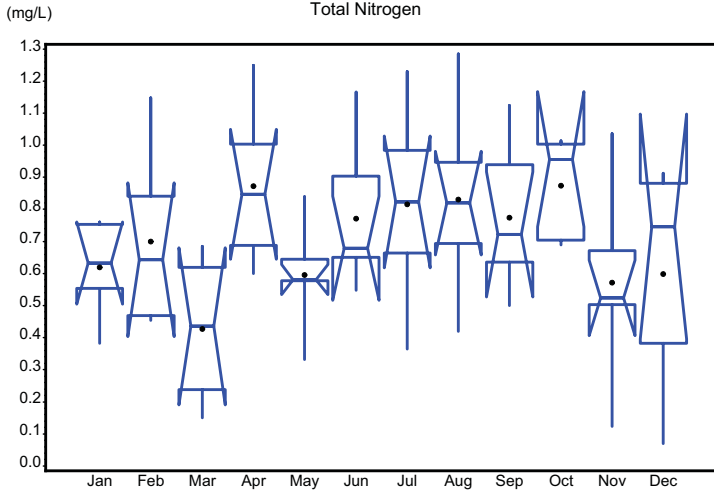
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



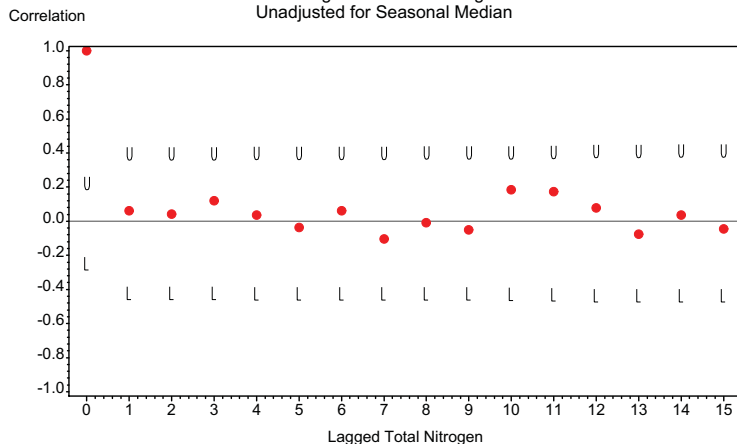
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.060	0.204	0.408	-0.408
2	0.042	0.204	0.409	-0.409
3	0.119	0.204	0.409	-0.409
4	0.037	0.205	0.411	-0.411
5	-0.036	0.206	0.411	-0.411
6	0.060	0.206	0.411	-0.411
7	-0.105	0.206	0.412	-0.412
8	-0.009	0.207	0.413	-0.413
9	-0.052	0.207	0.413	-0.413
10	0.183	0.207	0.414	-0.414
11	0.174	0.209	0.418	-0.418
12	0.079	0.211	0.422	-0.422
13	-0.076	0.211	0.423	-0.423
14	0.036	0.212	0.424	-0.424
15	-0.045	0.212	0.424	-0.424

Haldeman Cr Lower Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

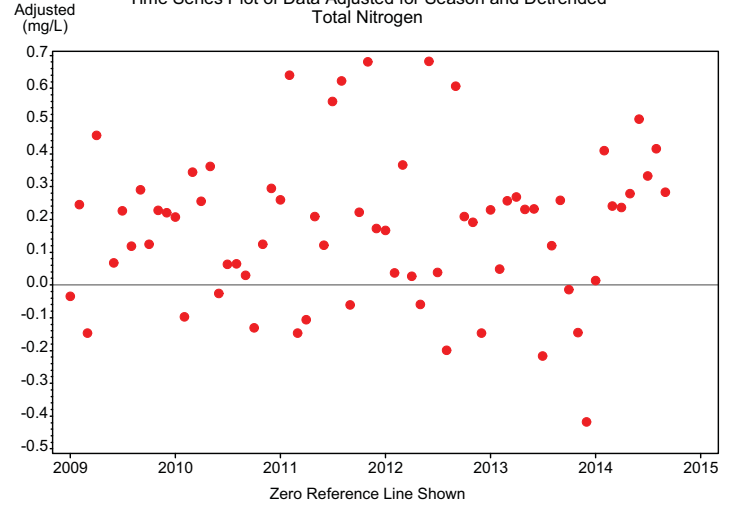
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.213	0.054	0.092	-0.044

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2125	0.054007	0.091612	-0.043875

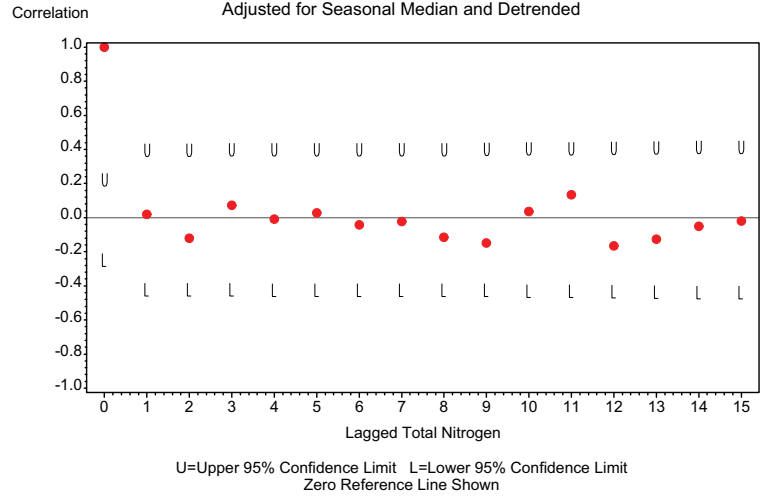
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



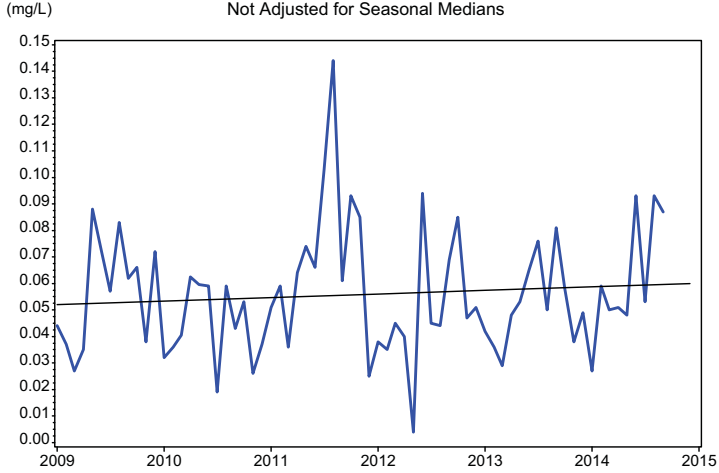
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.020	0.204	0.408	-0.408
2	-0.122	0.204	0.408	-0.408
3	0.072	0.205	0.410	-0.410
4	-0.010	0.206	0.411	-0.411
5	0.027	0.206	0.411	-0.411
6	-0.043	0.206	0.411	-0.411
7	-0.022	0.206	0.411	-0.411
8	-0.116	0.206	0.411	-0.411
9	-0.150	0.207	0.413	-0.413
10	0.035	0.208	0.416	-0.416
11	0.135	0.208	0.416	-0.416
12	-0.166	0.209	0.419	-0.419
13	-0.126	0.211	0.423	-0.423
14	-0.052	0.212	0.425	-0.425
15	-0.020	0.212	0.425	-0.425

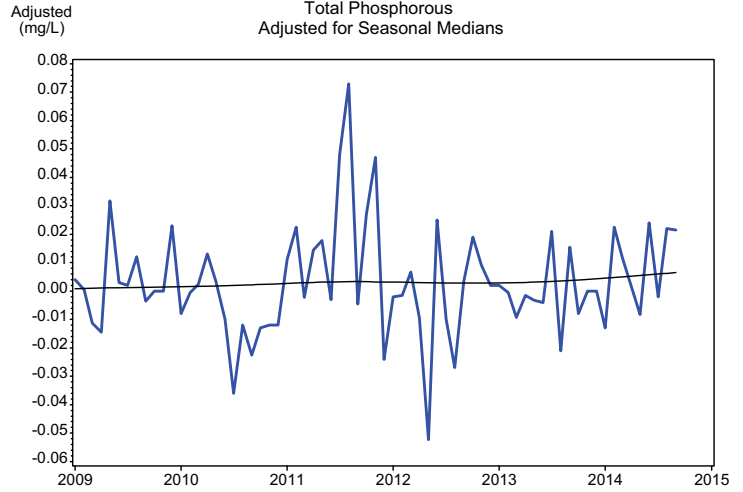
Haldeman Cr Lower Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



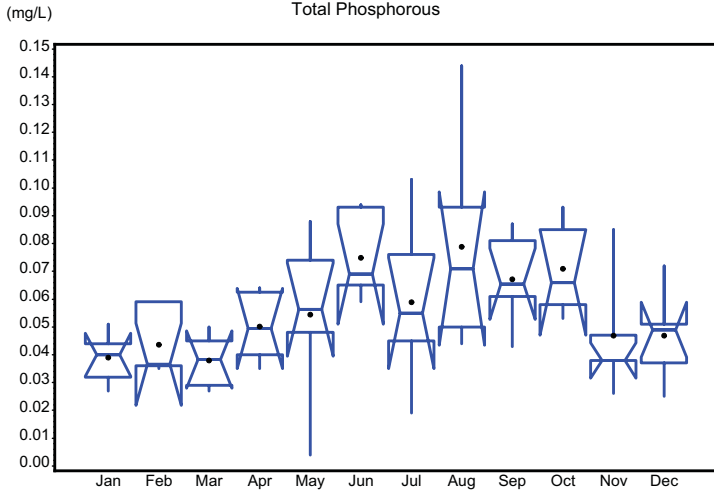
Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Total Phosphorous
 Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Total Phosphorous
 Adjusted for Seasonal Medians



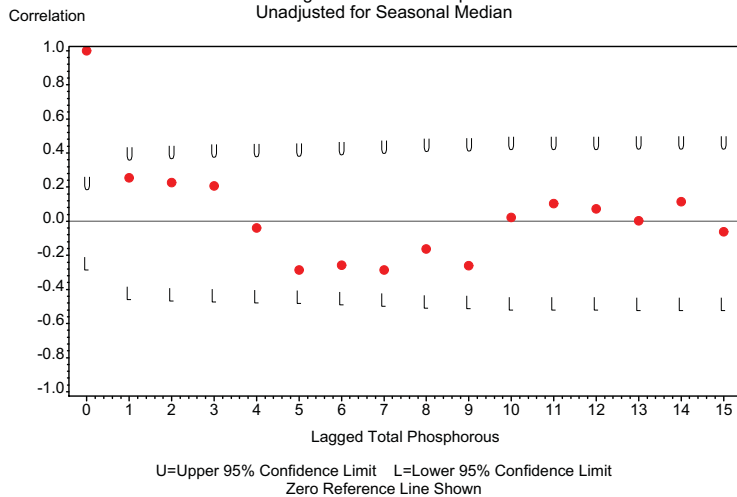
Haldeman Cr Lower Trends Appendix
 Seasonal Univariate Statistics
 Total Phosphorous



Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.254	0.204	0.408	-0.408
2	0.227	0.208	0.417	-0.417
3	0.208	0.212	0.424	-0.424
4	-0.041	0.215	0.429	-0.429
5	-0.285	0.215	0.430	-0.430
6	-0.259	0.220	0.440	-0.440
7	-0.285	0.224	0.448	-0.448
8	-0.164	0.229	0.458	-0.458
9	-0.262	0.231	0.462	-0.462
10	0.023	0.235	0.470	-0.470
11	0.104	0.235	0.470	-0.470
12	0.072	0.236	0.471	-0.471
13	0.003	0.236	0.472	-0.472
14	0.115	0.236	0.472	-0.472
15	-0.062	0.237	0.473	-0.473

Haldeman Cr Lower Trends Appendix
 Correlogram for Total Phosphorous
 Unadjusted for Seasonal Median



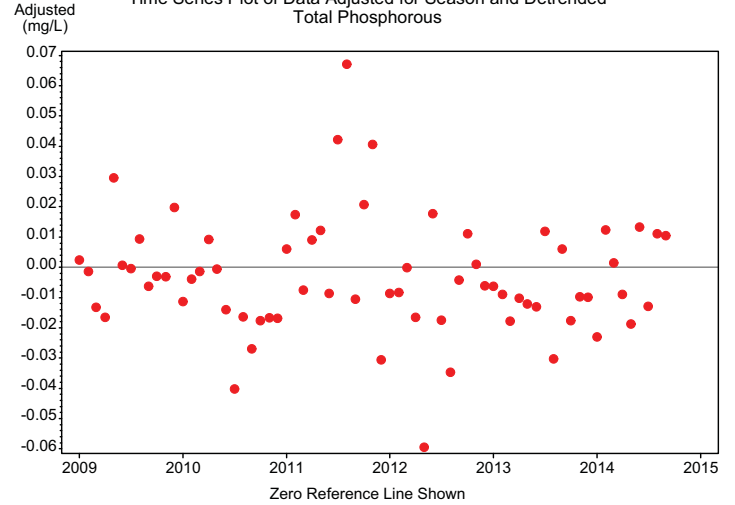
Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.061	0.605	0.725	.002

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.060606	0.60453	0.72476	.00166667

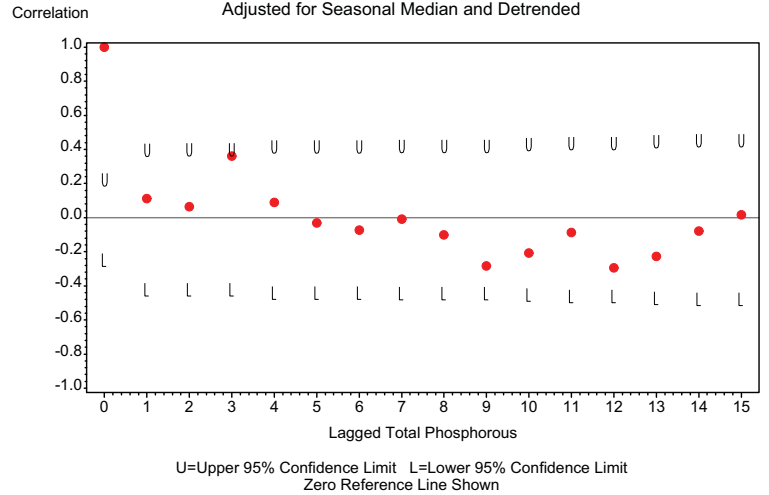
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



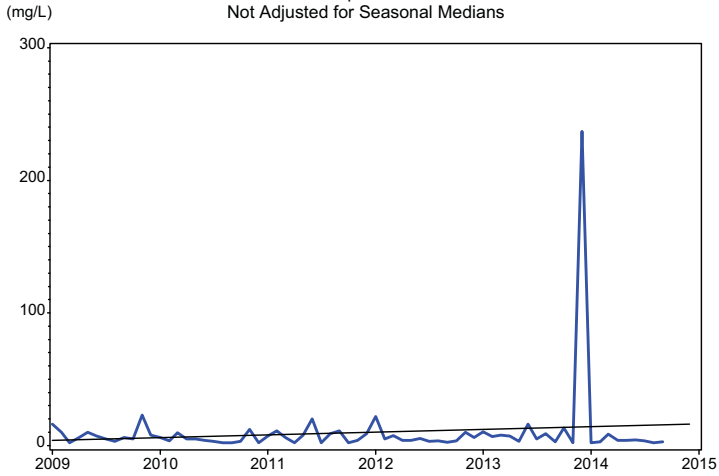
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.111	0.204	0.408	-0.408
2	0.063	0.205	0.410	-0.410
3	0.362	0.205	0.410	-0.410
4	0.090	0.214	0.428	-0.428
5	-0.032	0.214	0.429	-0.429
6	-0.074	0.214	0.429	-0.429
7	-0.008	0.215	0.430	-0.430
8	-0.102	0.215	0.430	-0.430
9	-0.284	0.216	0.431	-0.431
10	-0.209	0.221	0.441	-0.441
11	-0.086	0.223	0.447	-0.447
12	-0.294	0.224	0.448	-0.448
13	-0.227	0.229	0.458	-0.458
14	-0.078	0.232	0.464	-0.464
15	0.015	0.233	0.465	-0.465

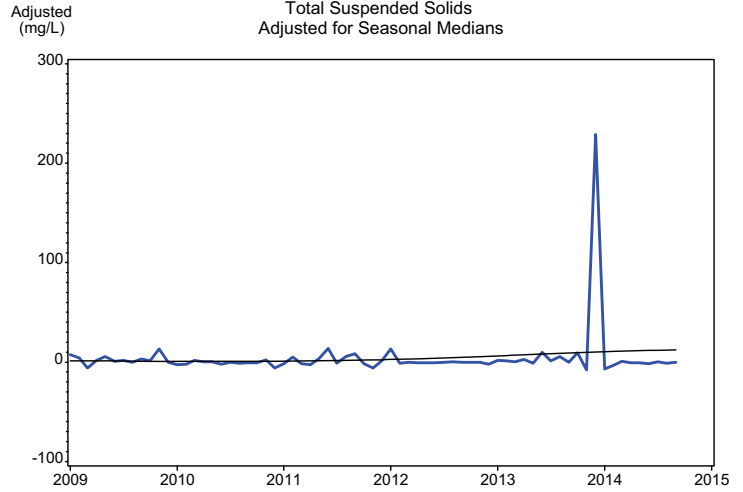
Haldeman Cr Lower Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



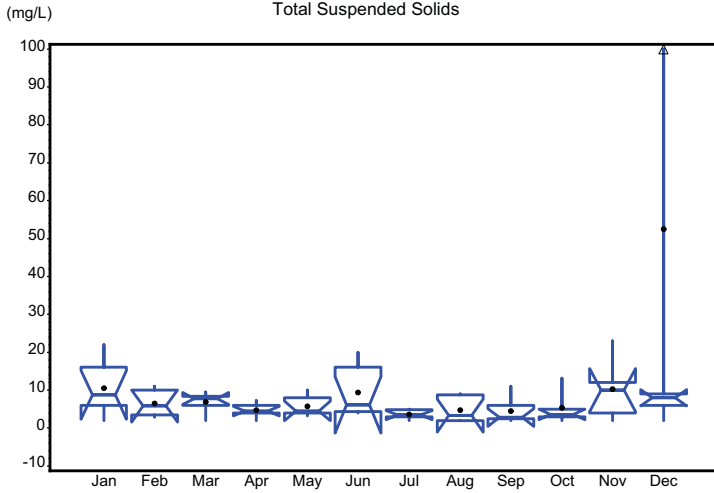
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



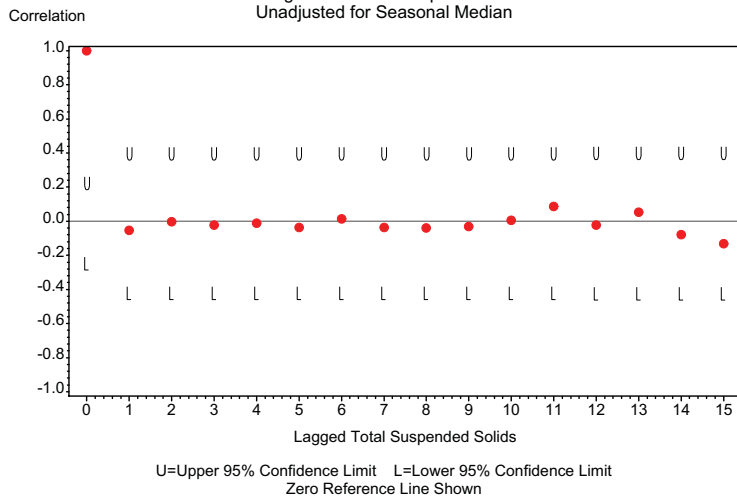
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.054	0.204	0.408	-0.408
2	-0.002	0.204	0.409	-0.409
3	-0.024	0.204	0.409	-0.409
4	-0.012	0.204	0.409	-0.409
5	-0.036	0.204	0.409	-0.409
6	0.014	0.204	0.409	-0.409
7	-0.038	0.204	0.409	-0.409
8	-0.040	0.205	0.409	-0.409
9	-0.031	0.205	0.409	-0.409
10	0.005	0.205	0.409	-0.409
11	0.086	0.205	0.409	-0.409
12	-0.023	0.205	0.411	-0.411
13	0.053	0.205	0.411	-0.411
14	-0.080	0.205	0.411	-0.411
15	-0.132	0.206	0.412	-0.412

Haldeman Cr Lower Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



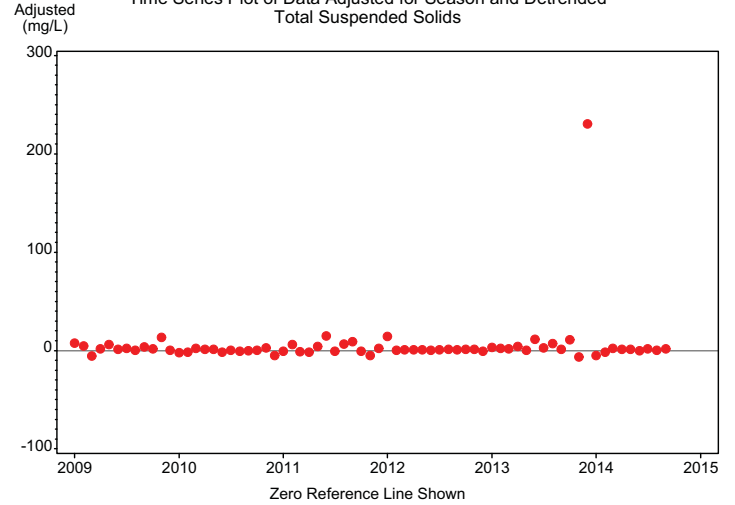
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.091	0.42	0.573	-0.25

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.090909	0.41970	0.57343	-0.25

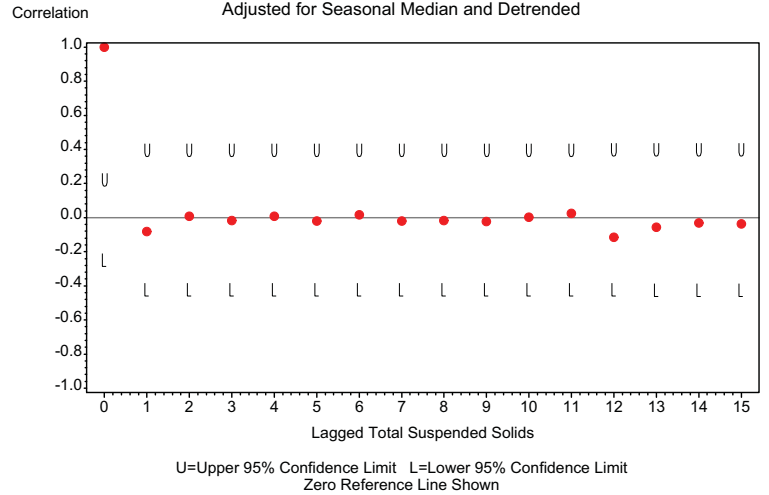
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



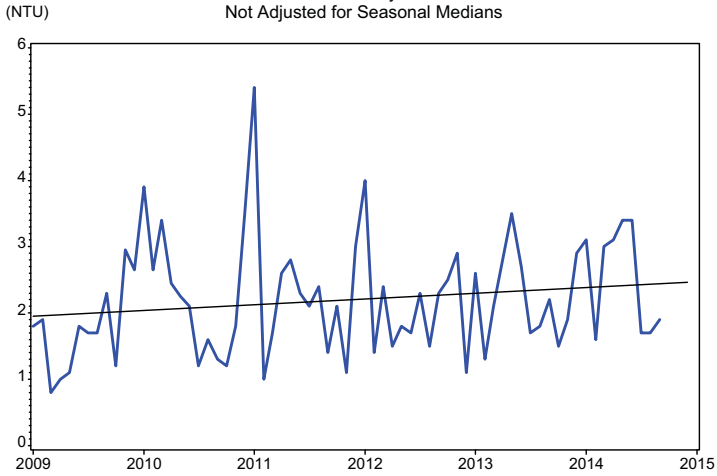
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.082	0.204	0.408	-0.408
2	0.009	0.205	0.409	-0.409
3	-0.016	0.205	0.409	-0.409
4	0.009	0.205	0.409	-0.409
5	-0.019	0.205	0.409	-0.409
6	0.015	0.205	0.409	-0.409
7	-0.021	0.205	0.409	-0.409
8	-0.018	0.205	0.409	-0.409
9	-0.023	0.205	0.409	-0.409
10	0.002	0.205	0.409	-0.409
11	0.026	0.205	0.409	-0.409
12	-0.116	0.205	0.410	-0.410
13	-0.057	0.206	0.411	-0.411
14	-0.031	0.206	0.412	-0.412
15	-0.037	0.206	0.412	-0.412

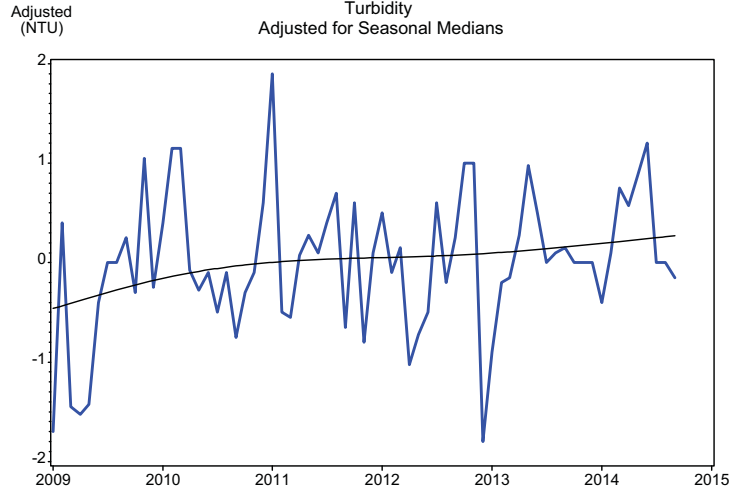
Haldeman Cr Lower Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



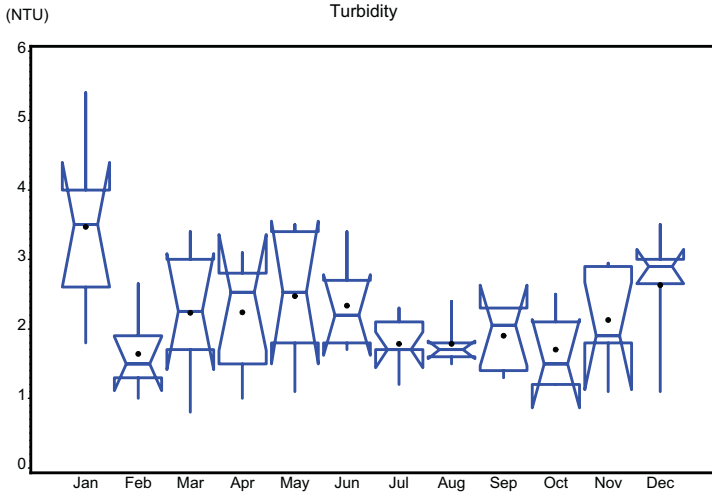
Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Turbidity
 Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Turbidity
 Adjusted for Seasonal Medians



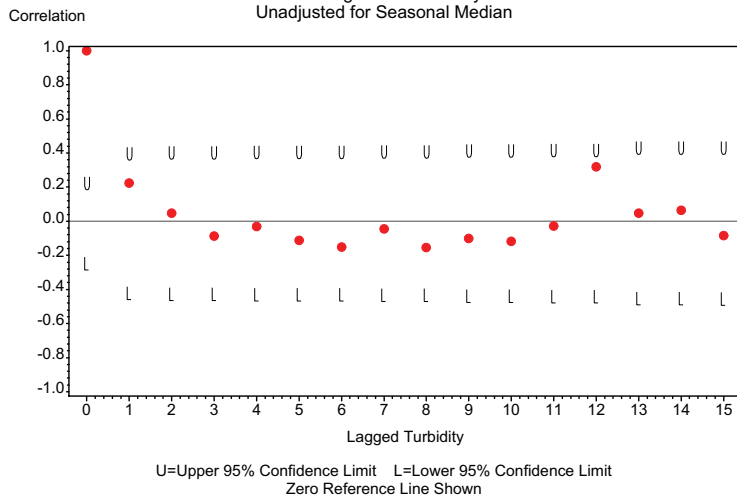
Haldeman Cr Lower Trends Appendix
 Seasonal Univariate Statistics
 Turbidity



Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Turbidity
 Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.223	0.204	0.408	-0.408
2	0.047	0.207	0.415	-0.415
3	-0.088	0.208	0.415	-0.415
4	-0.032	0.208	0.416	-0.416
5	-0.113	0.208	0.416	-0.416
6	-0.152	0.209	0.418	-0.418
7	-0.044	0.211	0.421	-0.421
8	-0.154	0.211	0.421	-0.421
9	-0.100	0.212	0.425	-0.425
10	-0.119	0.213	0.426	-0.426
11	-0.029	0.214	0.428	-0.428
12	0.320	0.214	0.428	-0.428
13	0.046	0.220	0.441	-0.441
14	0.065	0.221	0.441	-0.441
15	-0.084	0.221	0.442	-0.442

Haldeman Cr Lower Trends Appendix
 Correlogram for Turbidity
 Unadjusted for Seasonal Median



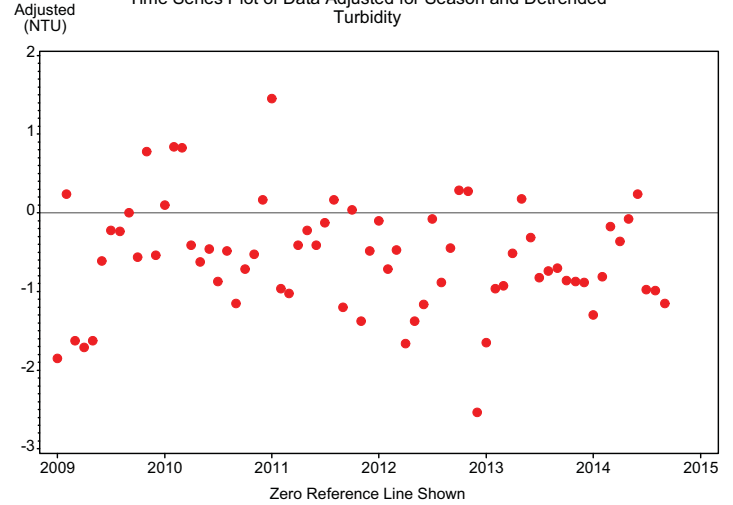
Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.212	0.049	0.036	0.15

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.21212	0.049015	0.036035	0.15

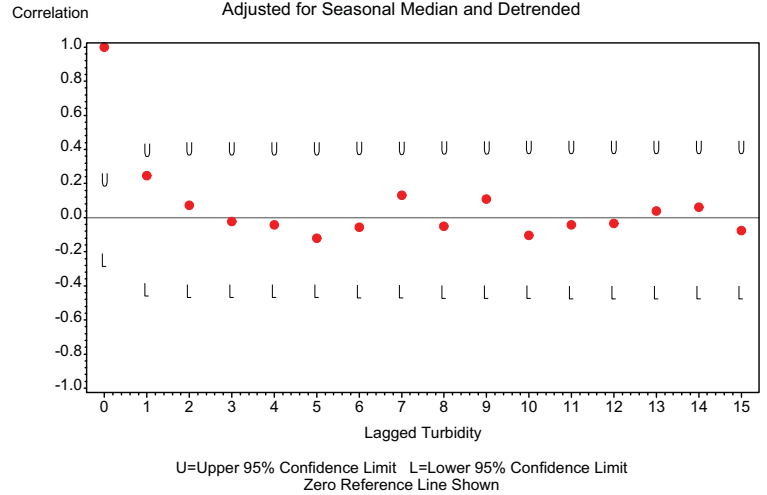
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



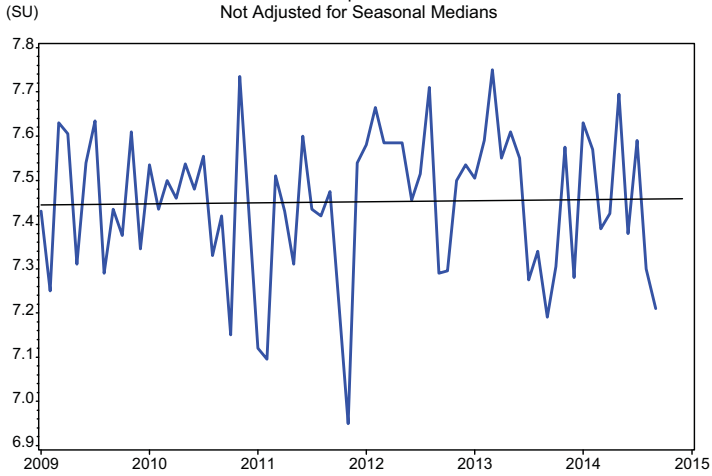
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.246	0.204	0.408	-0.408
2	0.072	0.208	0.416	-0.416
3	-0.024	0.209	0.417	-0.417
4	-0.043	0.209	0.417	-0.417
5	-0.121	0.209	0.417	-0.417
6	-0.057	0.210	0.419	-0.419
7	0.131	0.210	0.420	-0.420
8	-0.050	0.211	0.422	-0.422
9	0.109	0.211	0.422	-0.422
10	-0.105	0.212	0.424	-0.424
11	-0.043	0.213	0.425	-0.425
12	-0.034	0.213	0.426	-0.426
13	0.040	0.213	0.426	-0.426
14	0.061	0.213	0.426	-0.426
15	-0.075	0.213	0.426	-0.426

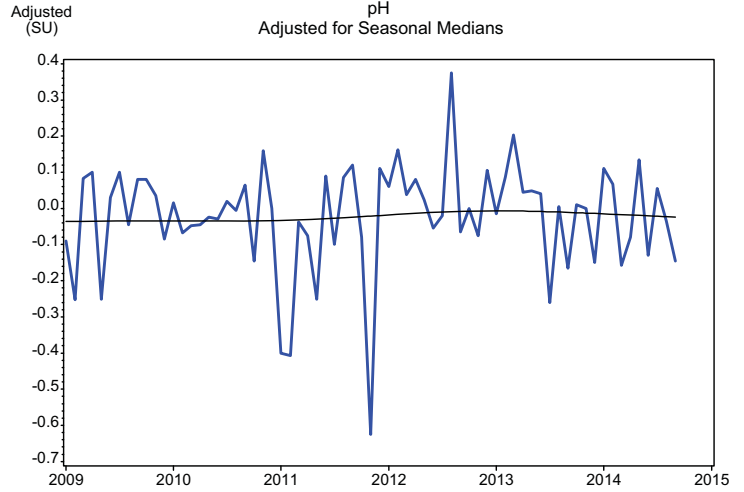
Haldeman Cr Lower Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



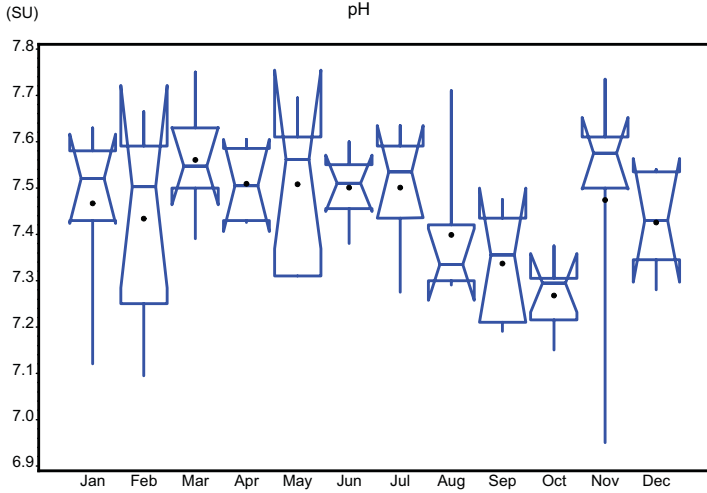
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



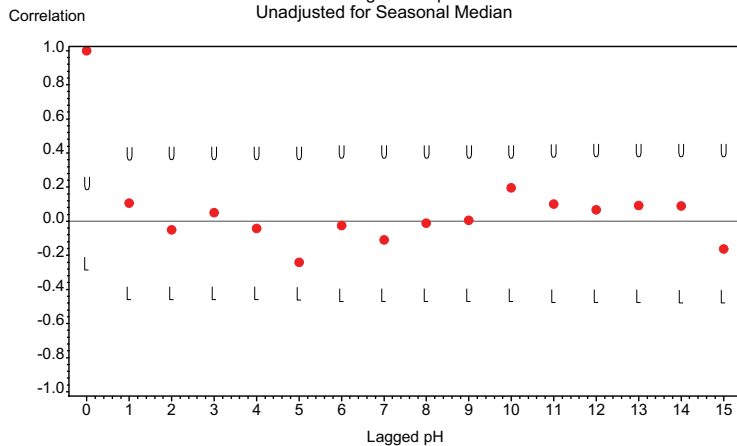
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
pH



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.105	0.204	0.408	-0.408
2	-0.052	0.205	0.410	-0.410
3	0.051	0.205	0.410	-0.410
4	-0.042	0.205	0.410	-0.410
5	-0.242	0.205	0.411	-0.411
6	-0.025	0.209	0.419	-0.419
7	-0.111	0.209	0.419	-0.419
8	-0.013	0.210	0.420	-0.420
9	0.004	0.210	0.420	-0.420
10	0.195	0.210	0.420	-0.420
11	0.101	0.213	0.425	-0.425
12	0.068	0.213	0.427	-0.427
13	0.092	0.214	0.427	-0.427
14	0.089	0.214	0.428	-0.428
15	-0.162	0.215	0.429	-0.429

Haldeman Cr Lower Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

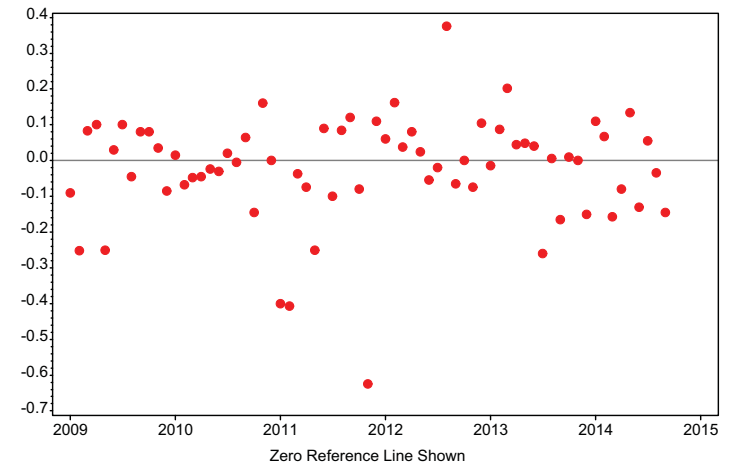
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

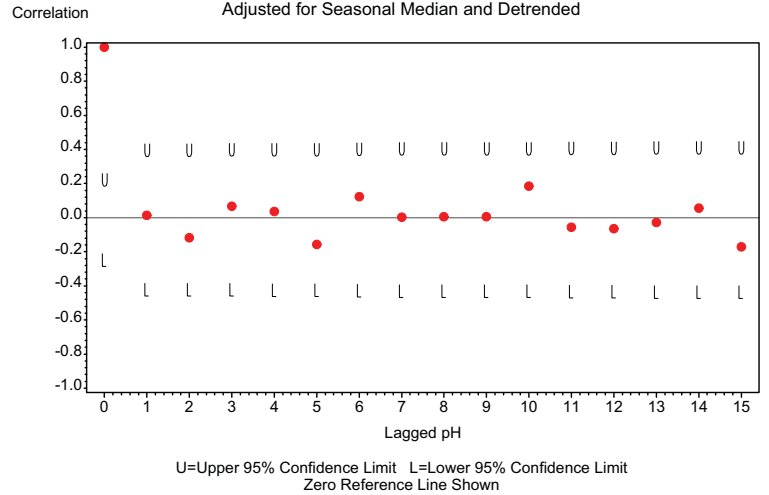
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



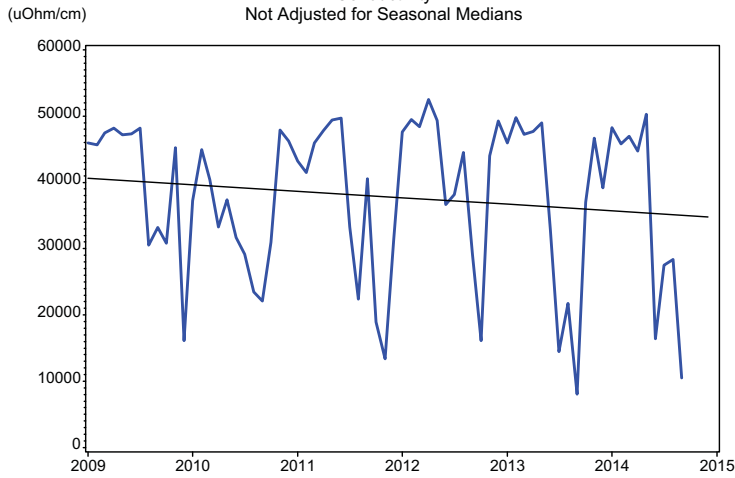
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.014	0.204	0.408	-0.408
2	-0.117	0.204	0.408	-0.408
3	0.068	0.205	0.410	-0.410
4	0.037	0.205	0.411	-0.411
5	-0.157	0.205	0.411	-0.411
6	0.123	0.207	0.414	-0.414
7	0.002	0.208	0.416	-0.416
8	0.006	0.208	0.416	-0.416
9	0.004	0.208	0.416	-0.416
10	0.185	0.208	0.416	-0.416
11	-0.057	0.210	0.421	-0.421
12	-0.064	0.211	0.421	-0.421
13	-0.028	0.211	0.422	-0.422
14	0.055	0.211	0.422	-0.422
15	-0.170	0.211	0.422	-0.422

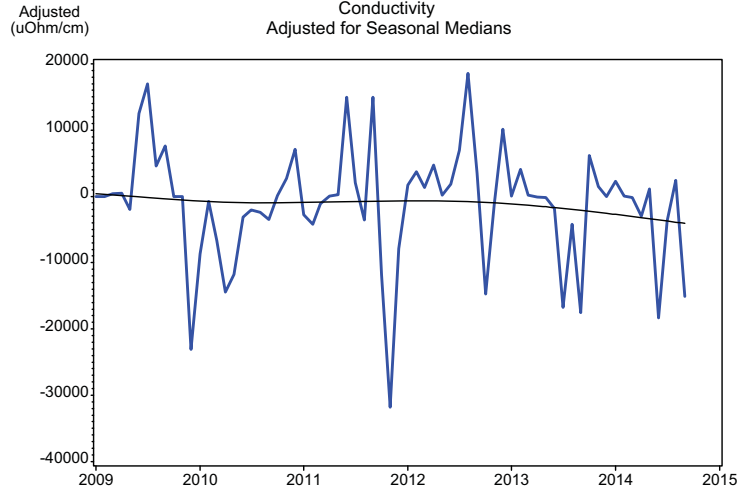
Haldeman Cr Lower Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



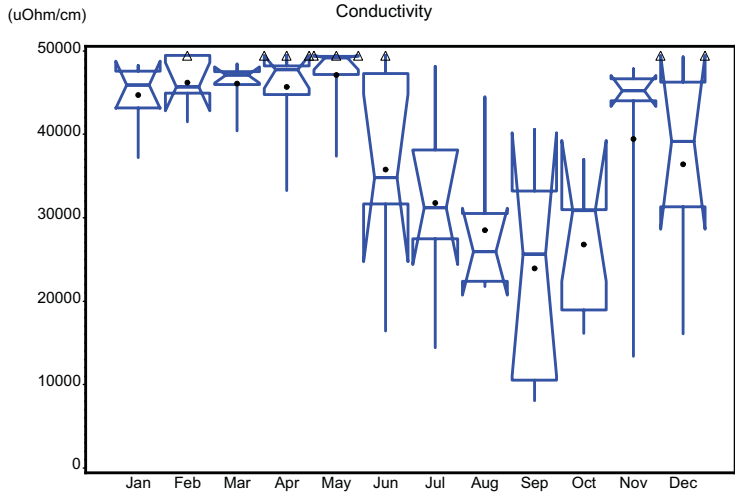
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



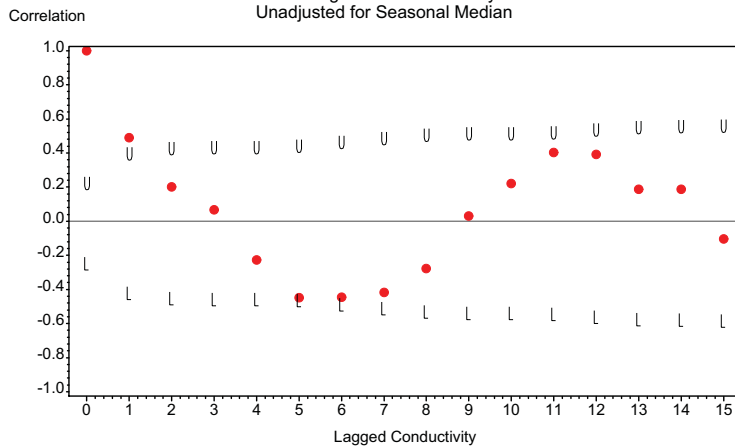
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Conductivity



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.490	0.204	0.408	-0.408
2	0.201	0.220	0.440	-0.440
3	0.068	0.222	0.445	-0.445
4	-0.226	0.223	0.445	-0.445
5	-0.448	0.226	0.452	-0.452
6	-0.446	0.238	0.476	-0.476
7	-0.417	0.249	0.498	-0.498
8	-0.278	0.259	0.518	-0.518
9	0.030	0.263	0.526	-0.526
10	0.222	0.263	0.526	-0.526
11	0.404	0.266	0.531	-0.531
12	0.391	0.274	0.548	-0.548
13	0.186	0.282	0.563	-0.563
14	0.186	0.283	0.567	-0.567
15	-0.104	0.285	0.570	-0.570

Haldeman Cr Lower Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



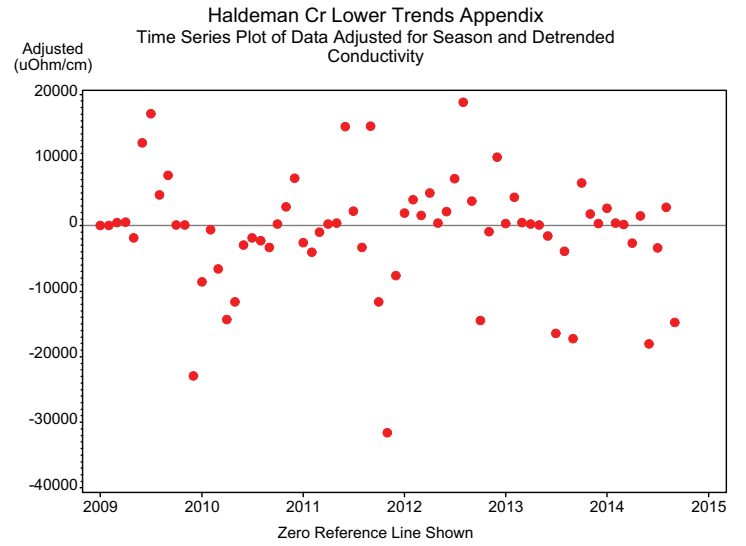
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.006	1	1	-53.75

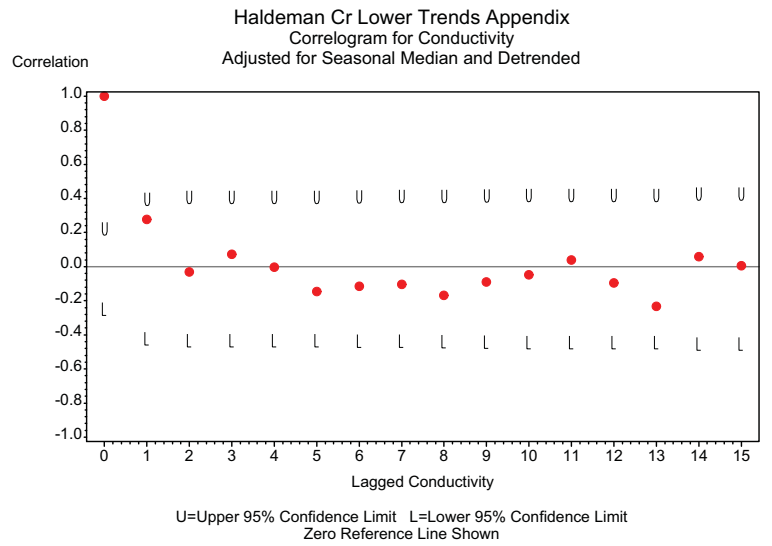
Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.00606061	1	1	-53.75

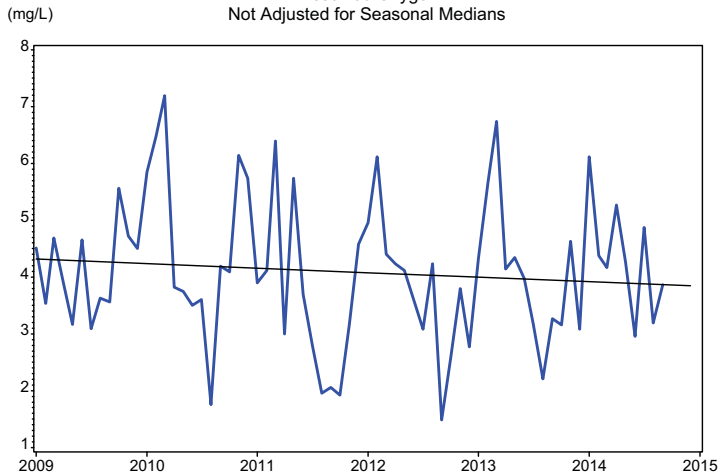


Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

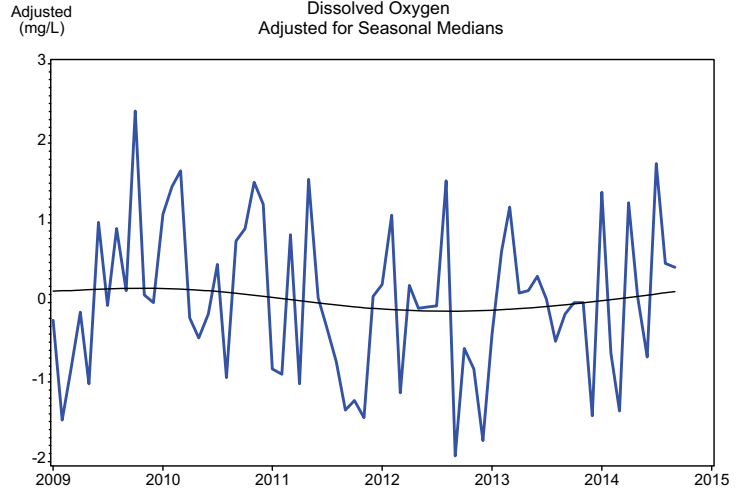
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.277	0.204	0.408	-0.408
2	-0.030	0.209	0.419	-0.419
3	0.072	0.209	0.419	-0.419
4	-0.004	0.210	0.419	-0.419
5	-0.147	0.210	0.419	-0.419
6	-0.115	0.211	0.422	-0.422
7	-0.104	0.212	0.424	-0.424
8	-0.168	0.213	0.425	-0.425
9	-0.089	0.215	0.429	-0.429
10	-0.049	0.215	0.430	-0.430
11	0.040	0.215	0.430	-0.430
12	-0.095	0.215	0.431	-0.431
13	-0.233	0.216	0.432	-0.432
14	0.058	0.219	0.439	-0.439
15	0.006	0.220	0.439	-0.439



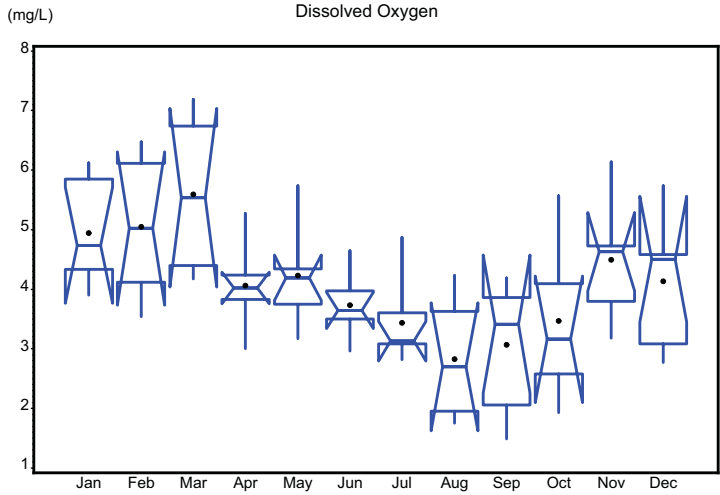
Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Adjusted for Seasonal Medians



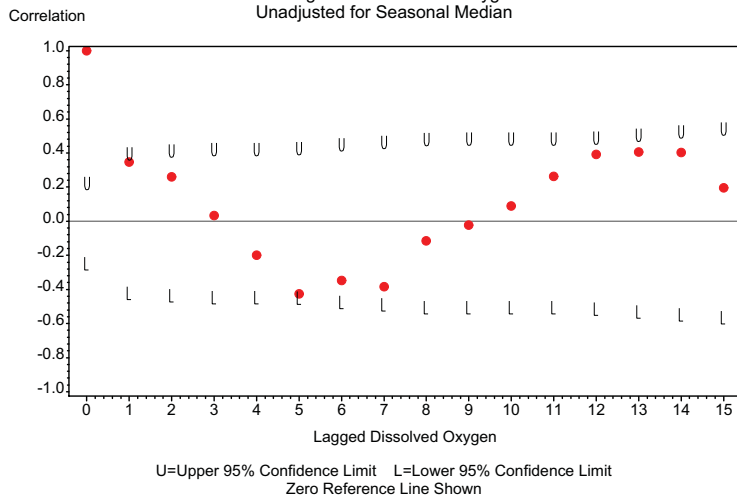
Haldeman Cr Lower Trends Appendix
 Seasonal Univariate Statistics
 Dissolved Oxygen



Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.346	0.204	0.408	-0.408
2	0.260	0.212	0.424	-0.424
3	0.032	0.216	0.433	-0.433
4	-0.198	0.217	0.433	-0.433
5	-0.427	0.219	0.438	-0.438
6	-0.349	0.230	0.461	-0.461
7	-0.384	0.238	0.475	-0.475
8	-0.116	0.246	0.492	-0.492
9	-0.023	0.247	0.494	-0.494
10	0.089	0.247	0.494	-0.494
11	0.262	0.247	0.494	-0.494
12	0.391	0.251	0.502	-0.502
13	0.406	0.259	0.519	-0.519
14	0.404	0.268	0.536	-0.536
15	0.195	0.276	0.553	-0.553

Haldeman Cr Lower Trends Appendix
 Correlogram for Dissolved Oxygen
 Unadjusted for Seasonal Median



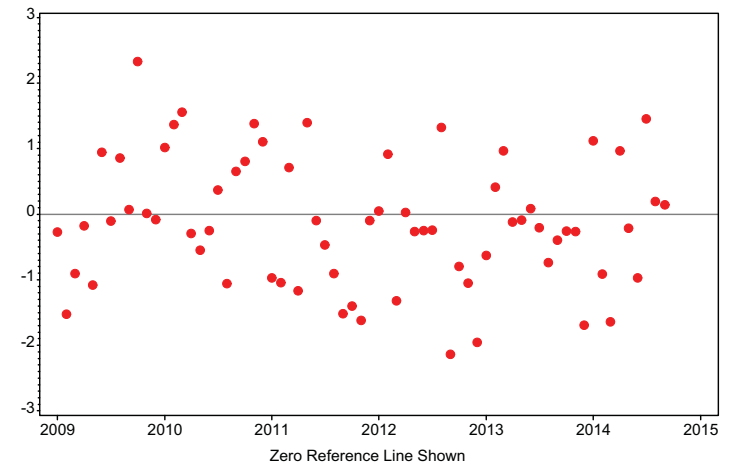
Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.03	0.819	0.843	0.045

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.030303	0.81884	0.84271	0.045

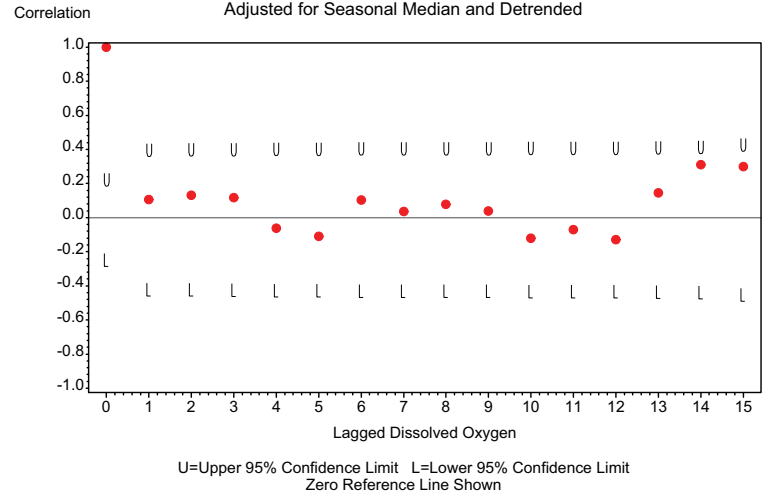
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



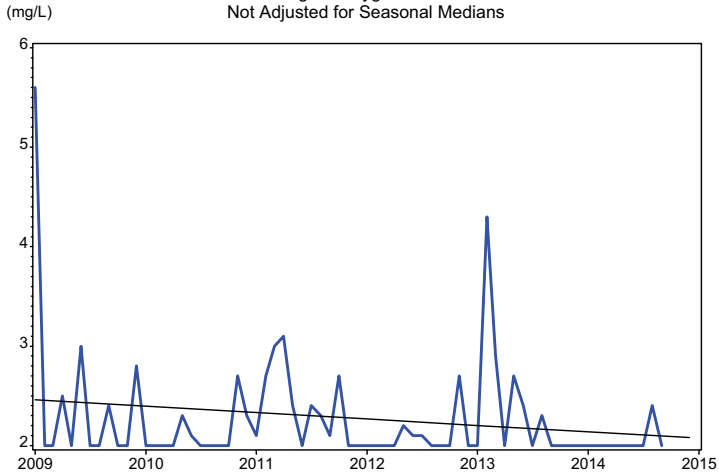
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.105	0.204	0.408	-0.408
2	0.132	0.205	0.410	-0.410
3	0.116	0.206	0.412	-0.412
4	-0.062	0.207	0.414	-0.414
5	-0.110	0.207	0.414	-0.414
6	0.103	0.208	0.416	-0.416
7	0.035	0.209	0.417	-0.417
8	0.079	0.209	0.418	-0.418
9	0.038	0.209	0.418	-0.418
10	-0.121	0.209	0.419	-0.419
11	-0.070	0.210	0.421	-0.421
12	-0.130	0.211	0.421	-0.421
13	0.145	0.212	0.423	-0.423
14	0.310	0.213	0.426	-0.426
15	0.298	0.219	0.439	-0.439

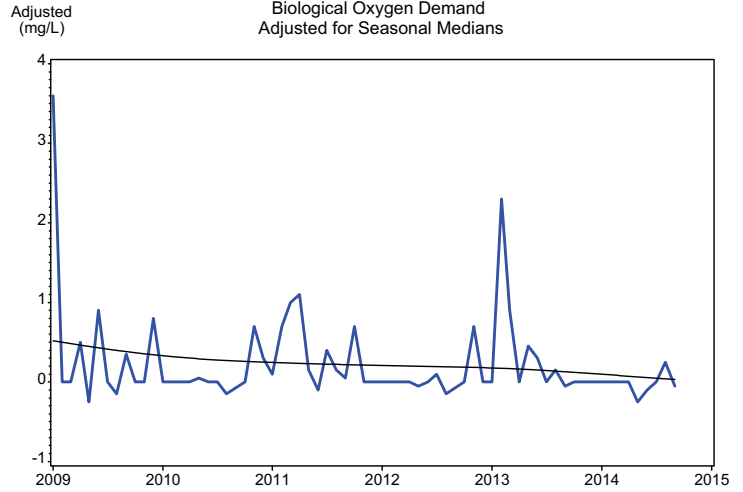
Haldeman Cr Lower Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



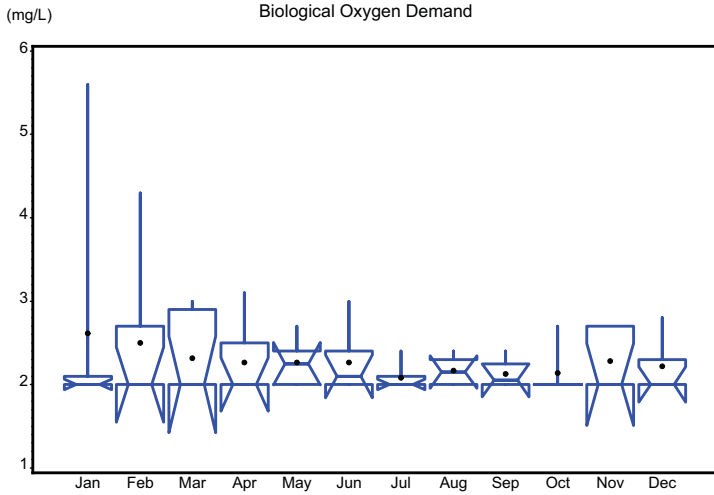
Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Adjusted for Seasonal Medians



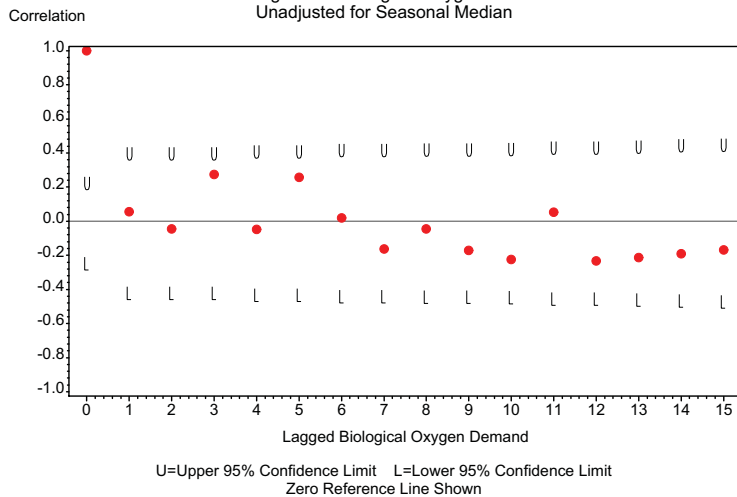
Haldeman Cr Lower Trends Appendix
 Seasonal Univariate Statistics
 Biological Oxygen Demand



Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.055	0.204	0.408	-0.408
2	-0.046	0.204	0.409	-0.409
3	0.273	0.204	0.409	-0.409
4	-0.048	0.209	0.419	-0.419
5	0.258	0.210	0.419	-0.419
6	0.019	0.214	0.428	-0.428
7	-0.164	0.214	0.428	-0.428
8	-0.044	0.216	0.431	-0.431
9	-0.171	0.216	0.432	-0.432
10	-0.225	0.218	0.435	-0.435
11	0.052	0.221	0.442	-0.442
12	-0.234	0.221	0.442	-0.442
13	-0.214	0.225	0.449	-0.449
14	-0.191	0.227	0.455	-0.455
15	-0.169	0.230	0.459	-0.459

Haldeman Cr Lower Trends Appendix
 Correlogram for Biological Oxygen Demand
 Unadjusted for Seasonal Median



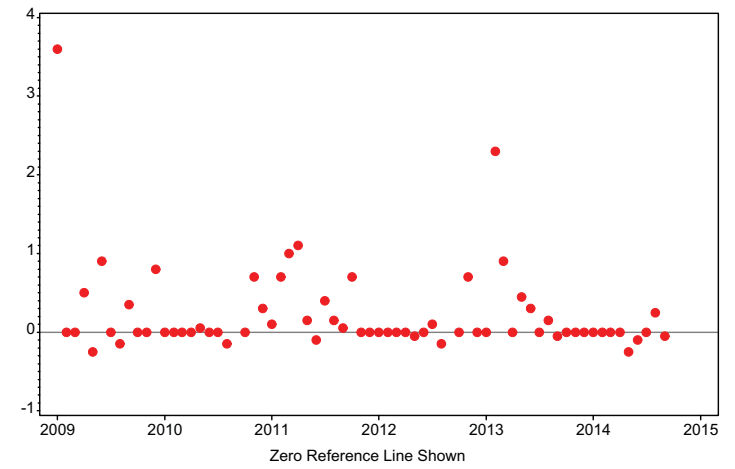
Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.096	0.341	0.465	0

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.096154	0.34118	0.46531	0

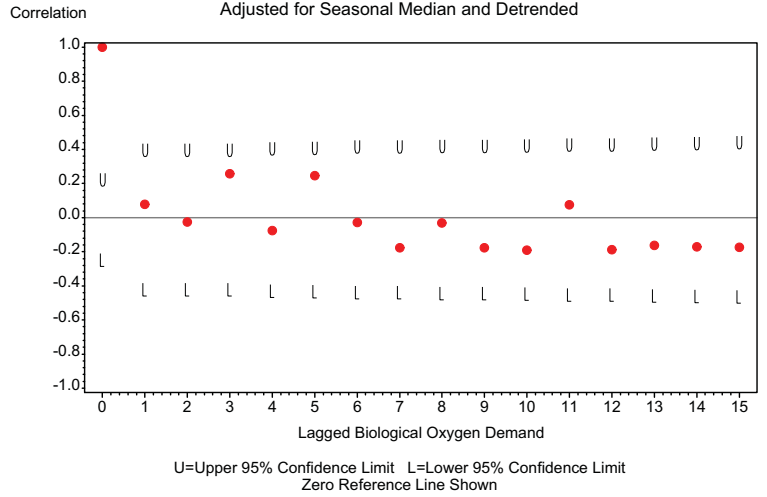
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



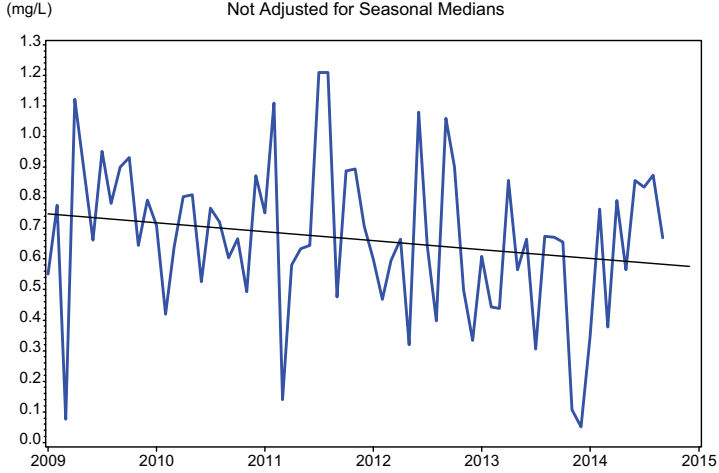
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.078	0.204	0.408	-0.408
2	-0.026	0.205	0.409	-0.409
3	0.256	0.205	0.409	-0.409
4	-0.077	0.209	0.418	-0.418
5	0.247	0.209	0.419	-0.419
6	-0.028	0.213	0.427	-0.427
7	-0.177	0.213	0.427	-0.427
8	-0.032	0.215	0.431	-0.431
9	-0.177	0.216	0.431	-0.431
10	-0.190	0.218	0.435	-0.435
11	0.075	0.220	0.440	-0.440
12	-0.188	0.220	0.440	-0.440
13	-0.164	0.222	0.445	-0.445
14	-0.171	0.224	0.448	-0.448
15	-0.174	0.226	0.452	-0.452

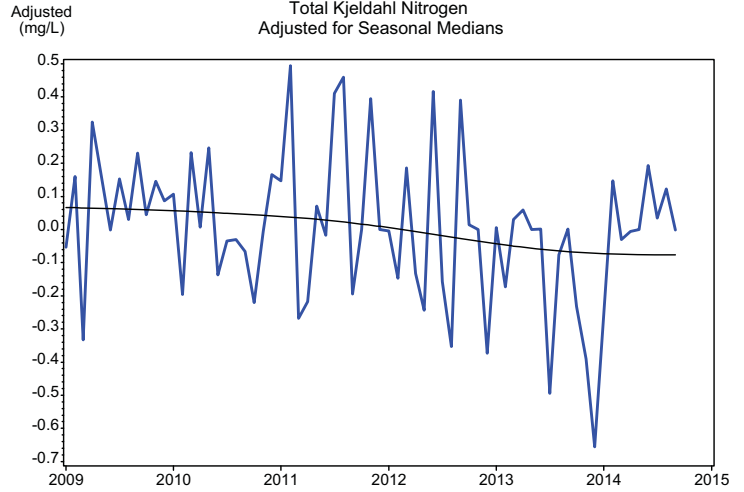
Haldeman Cr Lower Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



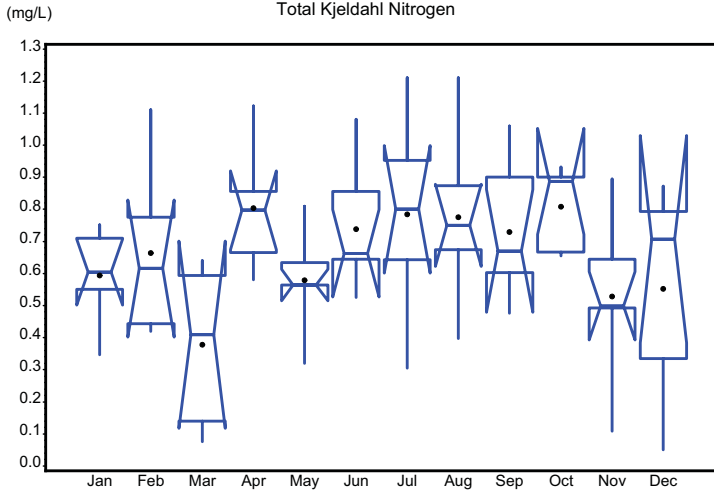
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



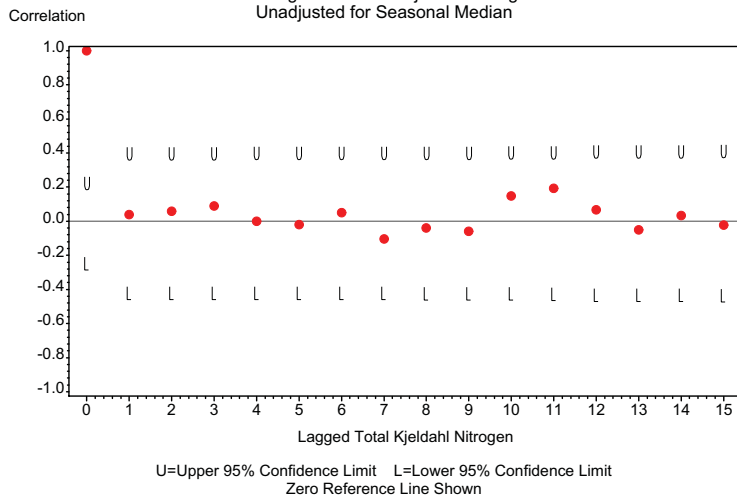
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.040	0.204	0.408	-0.408
2	0.057	0.204	0.408	-0.408
3	0.089	0.204	0.409	-0.409
4	-0.001	0.205	0.410	-0.410
5	-0.019	0.205	0.410	-0.410
6	0.051	0.205	0.410	-0.410
7	-0.104	0.205	0.410	-0.410
8	-0.039	0.206	0.412	-0.412
9	-0.059	0.206	0.412	-0.412
10	0.148	0.206	0.413	-0.413
11	0.194	0.208	0.415	-0.415
12	0.068	0.210	0.420	-0.420
13	-0.050	0.211	0.421	-0.421
14	0.033	0.211	0.421	-0.421
15	-0.024	0.211	0.422	-0.422

Haldeman Cr Lower Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median

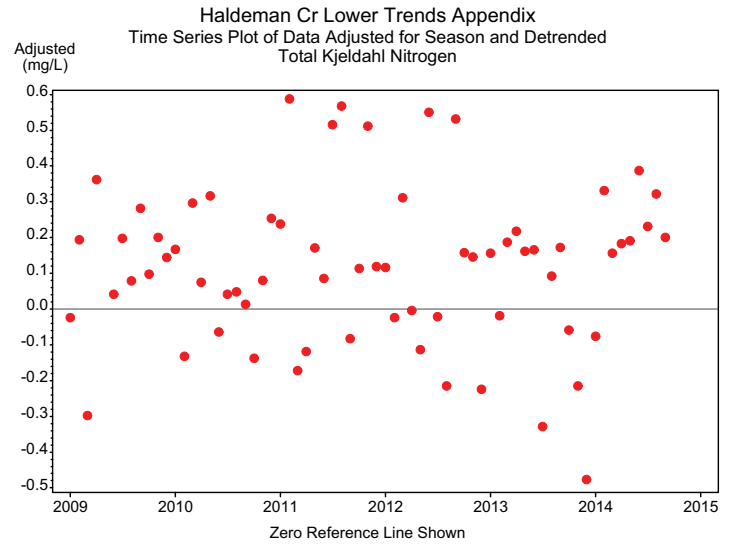


Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.169	0.128	0.096	-0.03

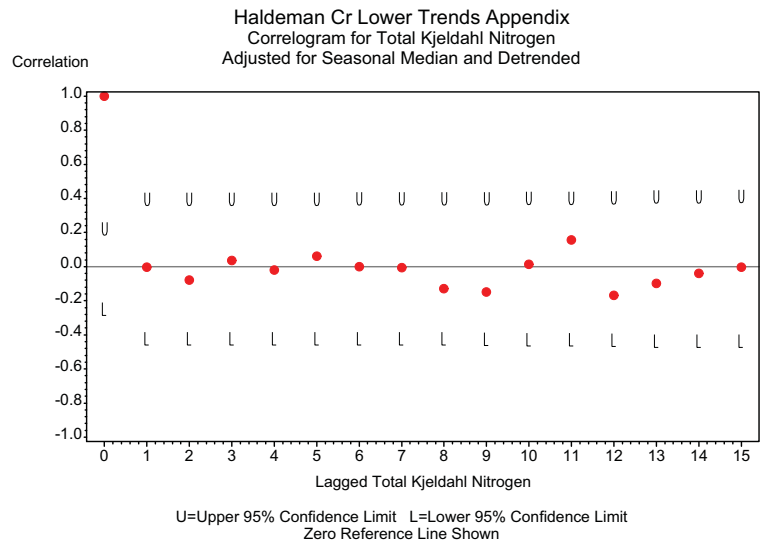
Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16875	0.12834	0.096244	-0.030208

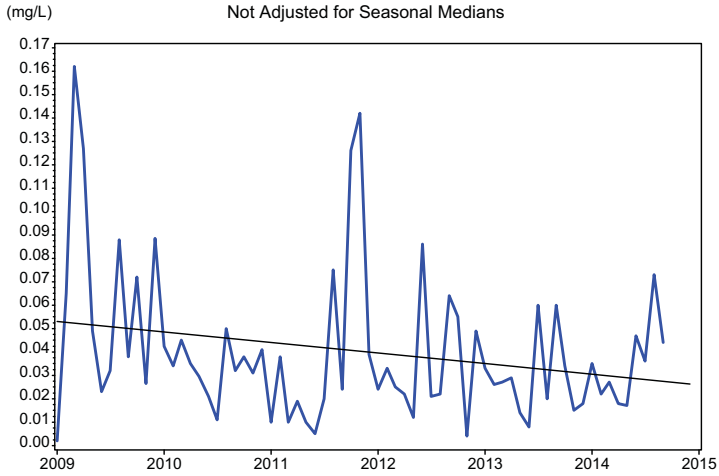


Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

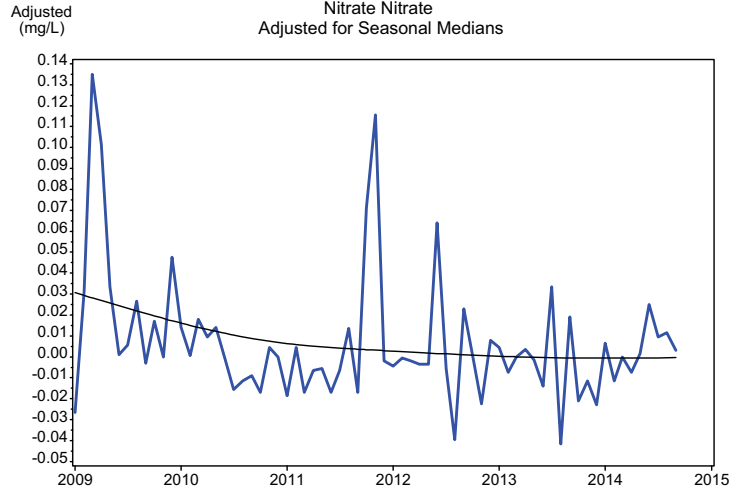
Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.004	0.204	0.408	-0.408
2	-0.080	0.204	0.408	-0.408
3	0.037	0.205	0.409	-0.409
4	-0.021	0.205	0.409	-0.409
5	0.062	0.205	0.409	-0.409
6	-0.001	0.205	0.410	-0.410
7	-0.006	0.205	0.410	-0.410
8	-0.129	0.205	0.410	-0.410
9	-0.149	0.206	0.412	-0.412
10	0.013	0.208	0.415	-0.415
11	0.157	0.208	0.415	-0.415
12	-0.169	0.209	0.418	-0.418
13	-0.099	0.211	0.422	-0.422
14	-0.040	0.212	0.423	-0.423
15	-0.003	0.212	0.424	-0.424



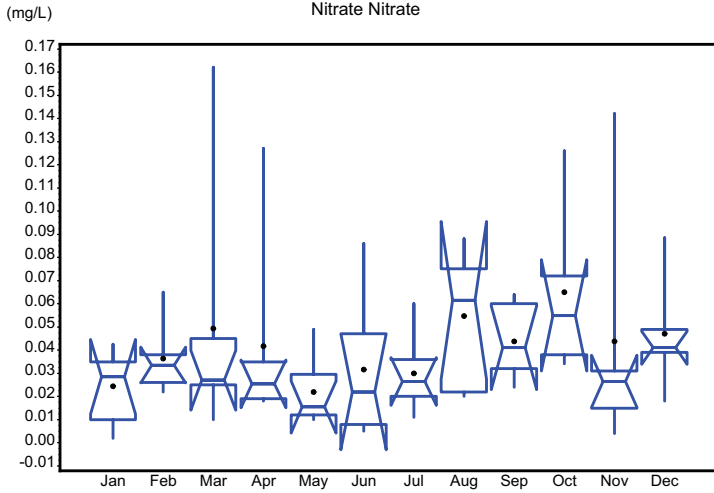
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



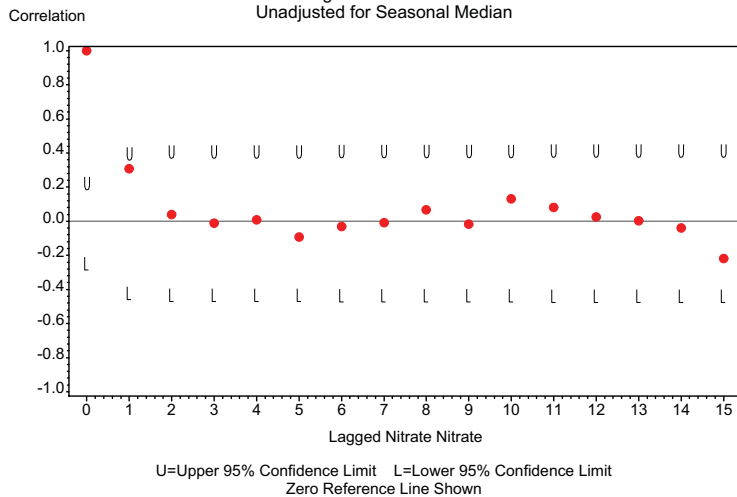
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.307	0.204	0.408	-0.408
2	0.040	0.210	0.421	-0.421
3	-0.013	0.211	0.421	-0.421
4	0.007	0.211	0.421	-0.421
5	-0.094	0.211	0.421	-0.421
6	-0.032	0.211	0.422	-0.422
7	-0.008	0.211	0.422	-0.422
8	0.066	0.211	0.422	-0.422
9	-0.016	0.211	0.423	-0.423
10	0.132	0.212	0.423	-0.423
11	0.082	0.213	0.425	-0.425
12	0.025	0.213	0.426	-0.426
13	0.002	0.213	0.426	-0.426
14	-0.039	0.213	0.426	-0.426
15	-0.219	0.213	0.426	-0.426

Haldeman Cr Lower Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



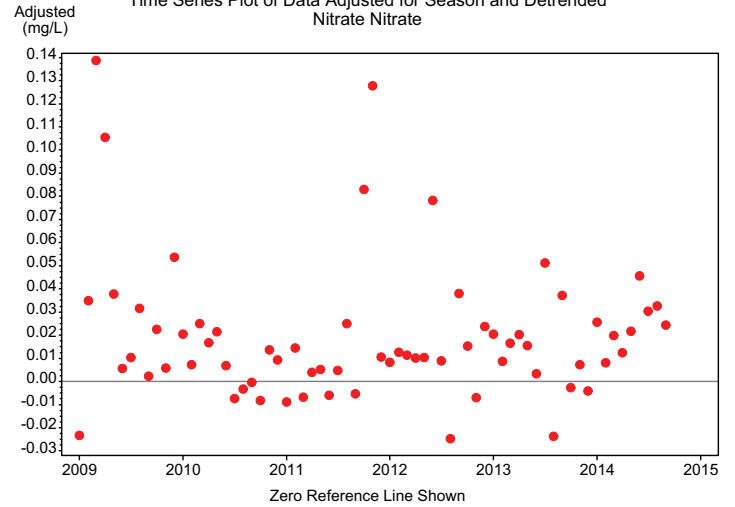
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.182	0.096	0.193	-0.003

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.18182	0.096260	0.19347	-0.0032

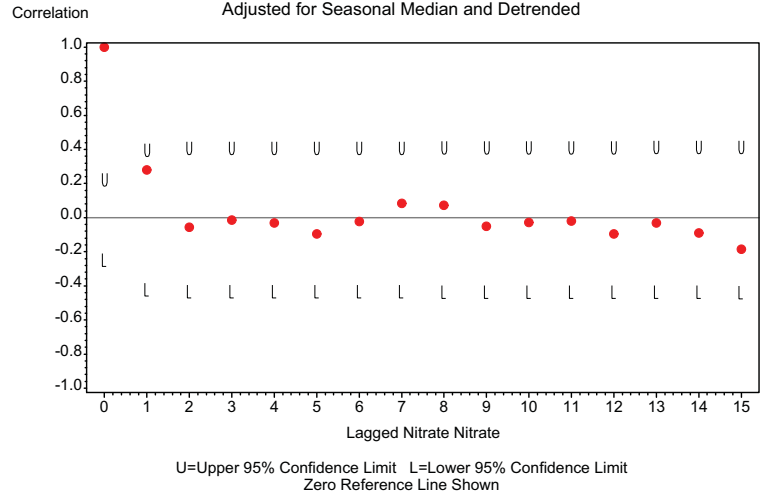
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



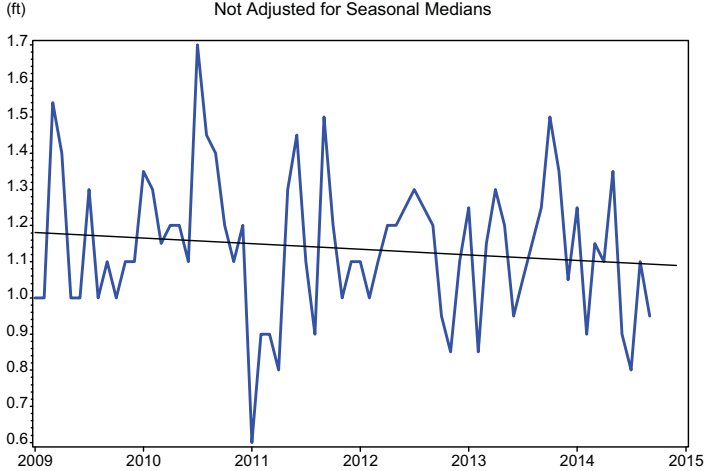
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.280	0.204	0.408	-0.408
2	-0.057	0.209	0.419	-0.419
3	-0.015	0.210	0.419	-0.419
4	-0.030	0.210	0.419	-0.419
5	-0.095	0.210	0.419	-0.419
6	-0.024	0.210	0.421	-0.421
7	0.083	0.210	0.421	-0.421
8	0.072	0.211	0.422	-0.422
9	-0.050	0.211	0.422	-0.422
10	-0.029	0.211	0.423	-0.423
11	-0.019	0.211	0.423	-0.423
12	-0.097	0.211	0.423	-0.423
13	-0.031	0.212	0.424	-0.424
14	-0.091	0.212	0.424	-0.424
15	-0.185	0.213	0.425	-0.425

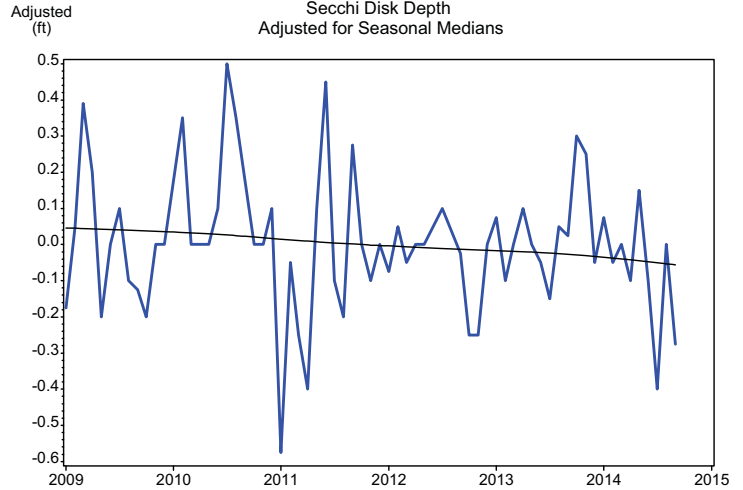
Haldeman Cr Lower Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



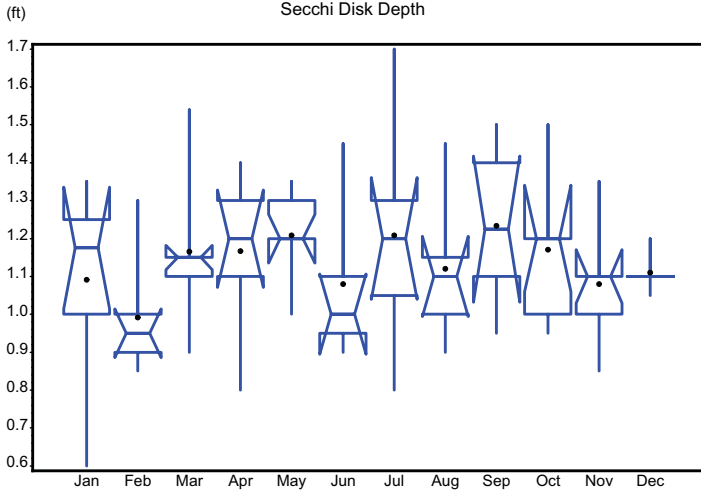
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



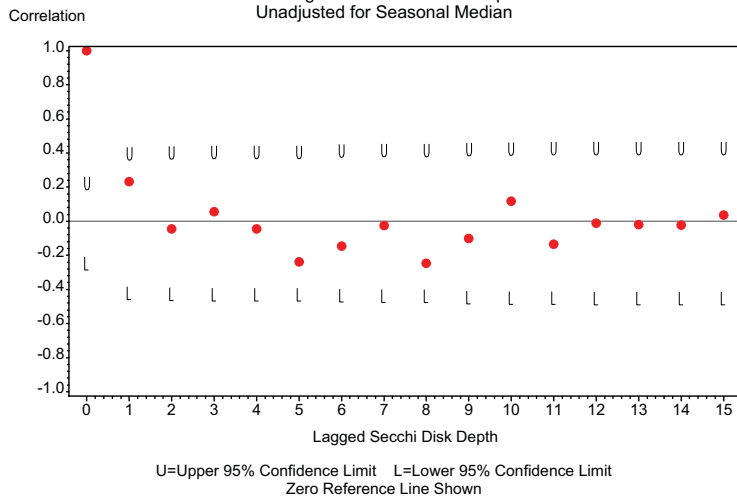
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.231	0.204	0.408	-0.408
2	-0.045	0.208	0.415	-0.415
3	0.055	0.208	0.416	-0.416
4	-0.046	0.208	0.416	-0.416
5	-0.239	0.208	0.416	-0.416
6	-0.147	0.212	0.424	-0.424
7	-0.027	0.213	0.427	-0.427
8	-0.247	0.213	0.427	-0.427
9	-0.102	0.217	0.435	-0.435
10	0.117	0.218	0.436	-0.436
11	-0.136	0.219	0.438	-0.438
12	-0.011	0.220	0.440	-0.440
13	-0.020	0.220	0.440	-0.440
14	-0.024	0.220	0.440	-0.440
15	0.036	0.220	0.440	-0.440

Haldeman Cr Lower Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



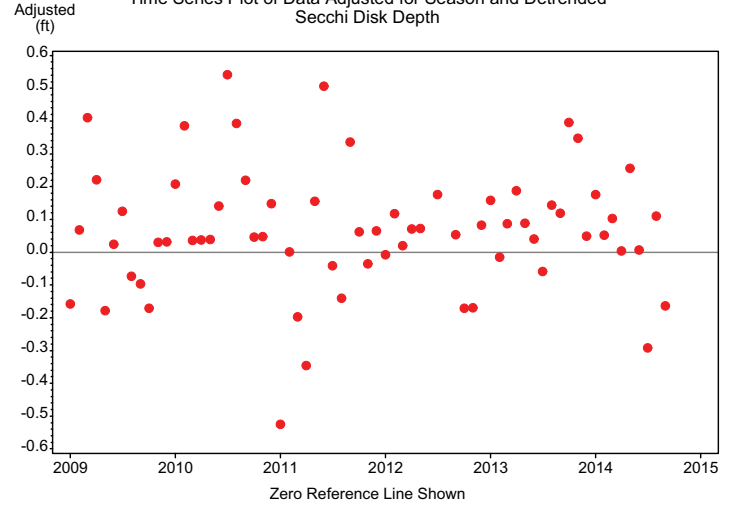
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.135	0.218	0.368	-0.017

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.13548	0.21806	0.36772	-0.016667

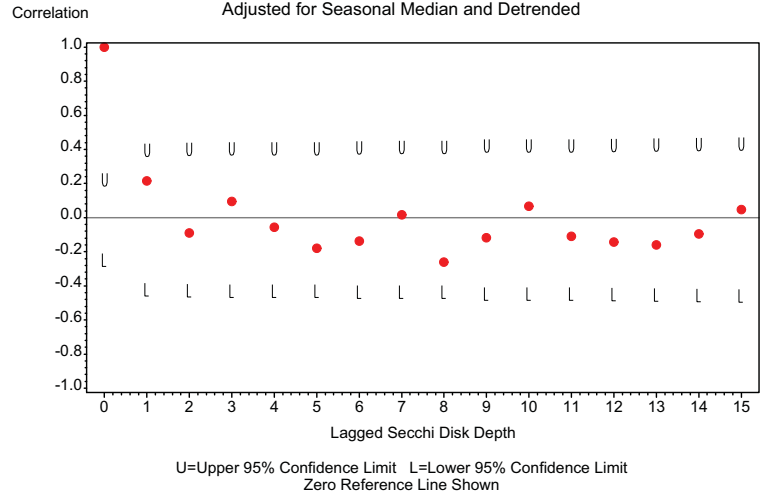
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



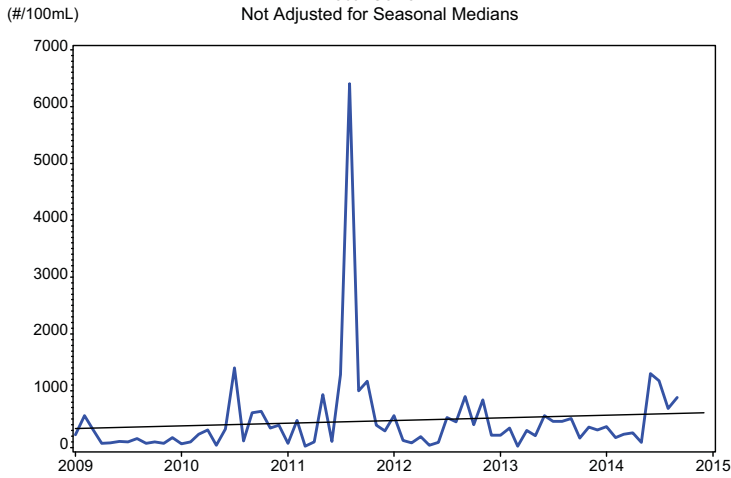
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.215	0.204	0.408	-0.408
2	-0.091	0.207	0.415	-0.415
3	0.094	0.208	0.416	-0.416
4	-0.057	0.208	0.417	-0.417
5	-0.181	0.209	0.417	-0.417
6	-0.137	0.211	0.422	-0.422
7	0.016	0.212	0.424	-0.424
8	-0.260	0.212	0.424	-0.424
9	-0.118	0.216	0.433	-0.433
10	0.068	0.217	0.435	-0.435
11	-0.109	0.218	0.435	-0.435
12	-0.144	0.218	0.437	-0.437
13	-0.159	0.220	0.439	-0.439
14	-0.097	0.221	0.443	-0.443
15	0.046	0.222	0.444	-0.444

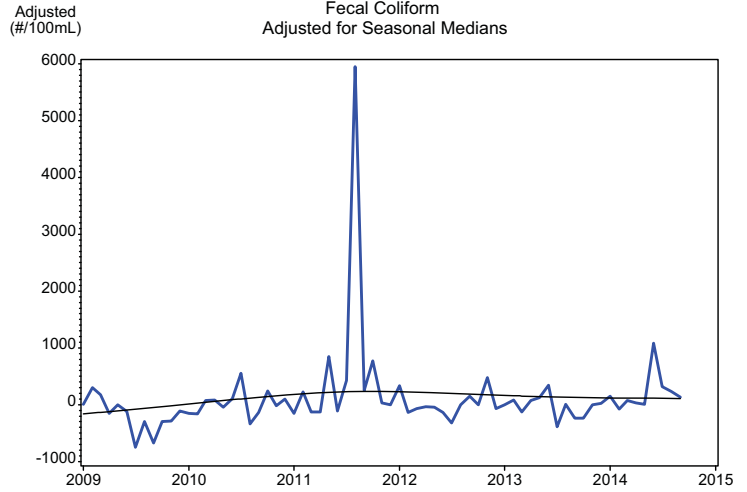
Haldeman Cr Lower Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



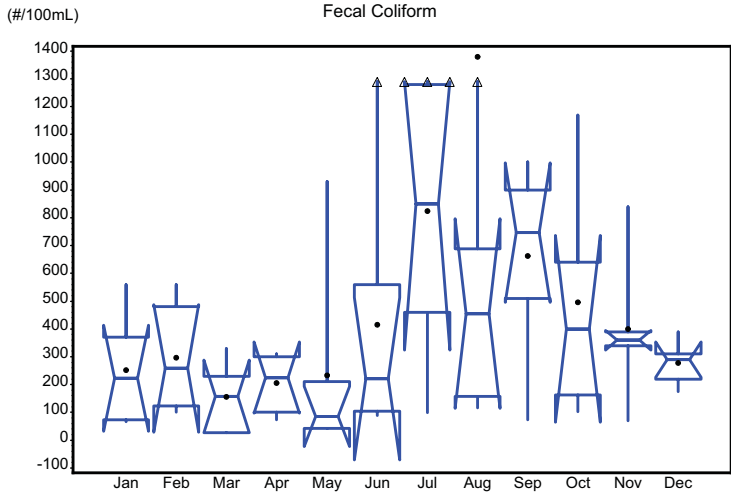
Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Haldeman Cr Lower Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



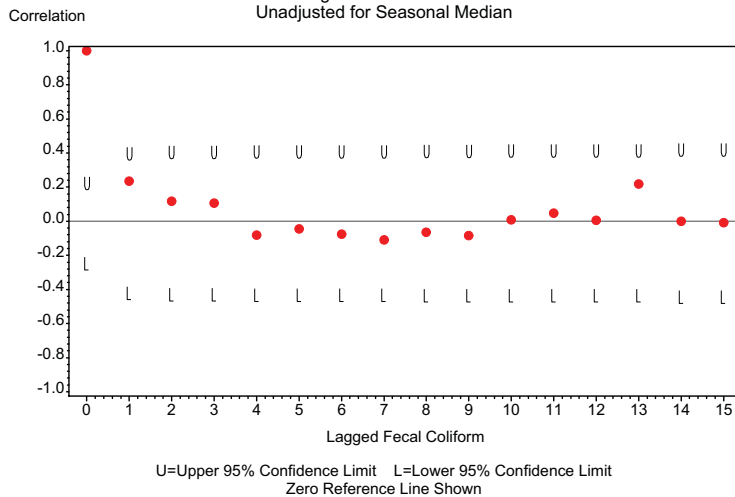
Haldeman Cr Lower Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Haldeman Cr Lower Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.236	0.204	0.408	-0.408
2	0.117	0.208	0.416	-0.416
3	0.107	0.209	0.418	-0.418
4	-0.082	0.210	0.419	-0.419
5	-0.044	0.210	0.420	-0.420
6	-0.077	0.210	0.420	-0.420
7	-0.111	0.211	0.421	-0.421
8	-0.066	0.211	0.423	-0.423
9	-0.085	0.212	0.423	-0.423
10	0.009	0.212	0.424	-0.424
11	0.046	0.212	0.424	-0.424
12	0.005	0.212	0.424	-0.424
13	0.217	0.212	0.424	-0.424
14	-0.001	0.215	0.431	-0.431
15	-0.009	0.215	0.431	-0.431

Haldeman Cr Lower Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



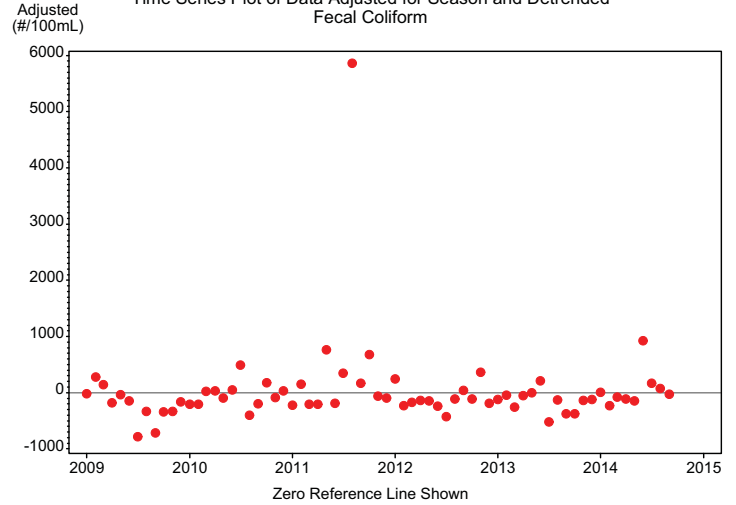
Haldeman Cr Lower Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.17	0.12	0.192	24

Haldeman Cr Lower Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.16970	0.12026	0.19186	24

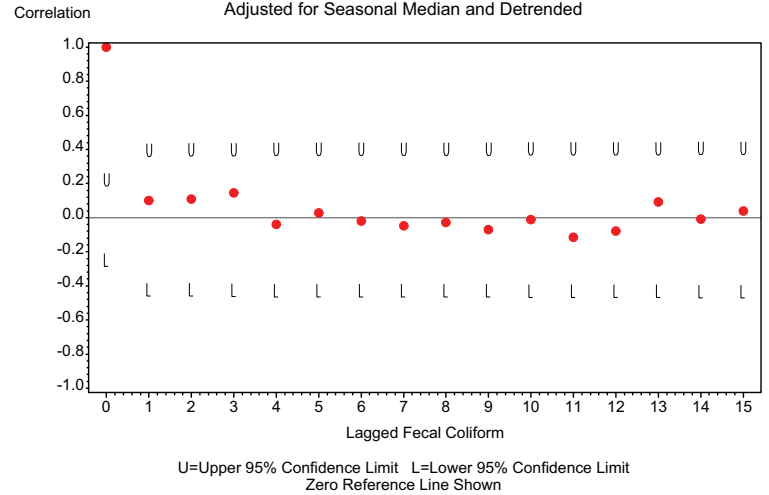
Haldeman Cr Lower Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



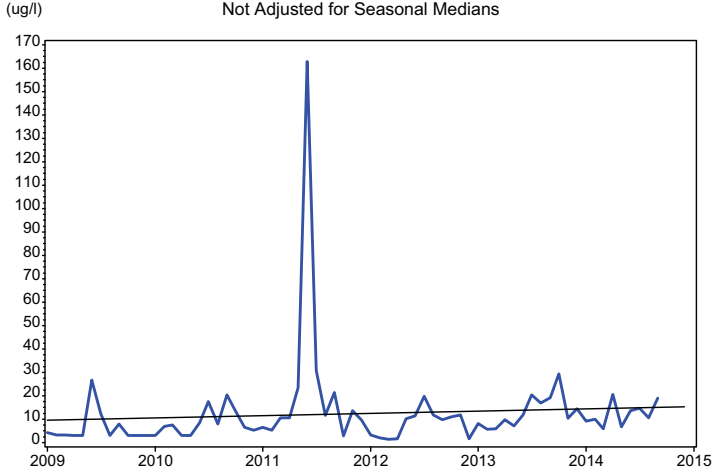
Haldeman Cr Lower Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.100	0.204	0.408	-0.408
2	0.109	0.205	0.410	-0.410
3	0.146	0.206	0.411	-0.411
4	-0.041	0.207	0.414	-0.414
5	0.028	0.207	0.414	-0.414
6	-0.020	0.207	0.414	-0.414
7	-0.048	0.207	0.414	-0.414
8	-0.029	0.207	0.415	-0.415
9	-0.070	0.207	0.415	-0.415
10	-0.012	0.208	0.416	-0.416
11	-0.115	0.208	0.416	-0.416
12	-0.080	0.209	0.417	-0.417
13	0.093	0.209	0.418	-0.418
14	-0.010	0.210	0.419	-0.419
15	0.038	0.210	0.419	-0.419

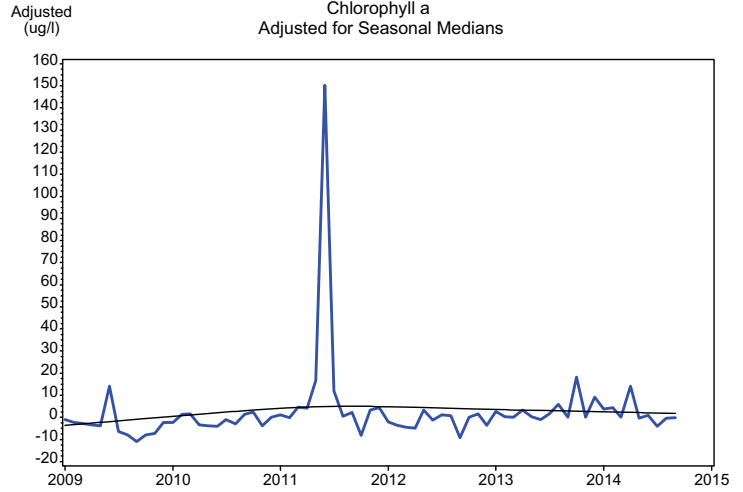
Haldeman Cr Lower Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



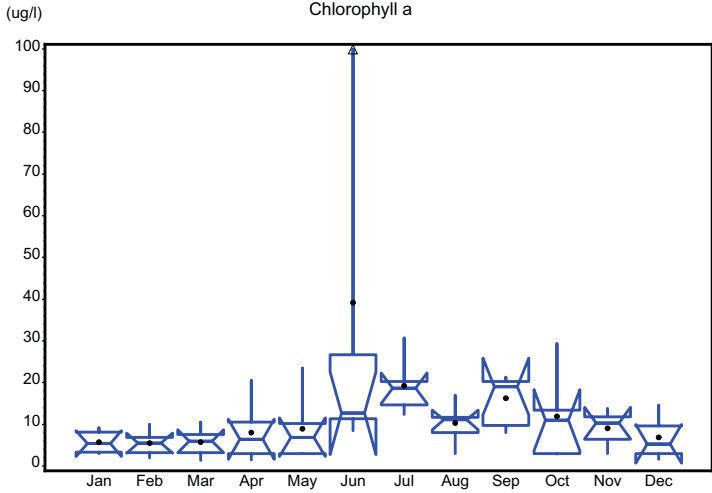
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



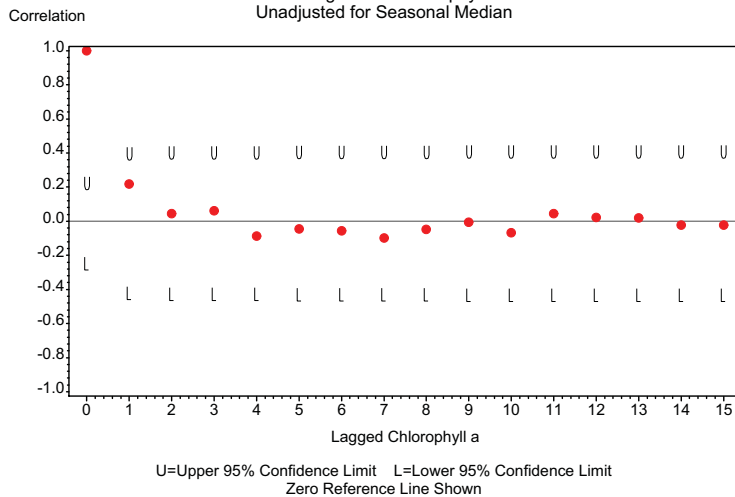
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.218	0.204	0.408	-0.408
2	0.043	0.207	0.415	-0.415
3	0.062	0.207	0.415	-0.415
4	-0.088	0.208	0.415	-0.415
5	-0.045	0.208	0.416	-0.416
6	-0.056	0.208	0.417	-0.417
7	-0.098	0.209	0.417	-0.417
8	-0.048	0.209	0.418	-0.418
9	-0.007	0.209	0.419	-0.419
10	-0.067	0.209	0.419	-0.419
11	0.043	0.210	0.419	-0.419
12	0.021	0.210	0.420	-0.420
13	0.019	0.210	0.420	-0.420
14	-0.022	0.210	0.420	-0.420
15	-0.022	0.210	0.420	-0.420

Haldeman Cr Upper Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



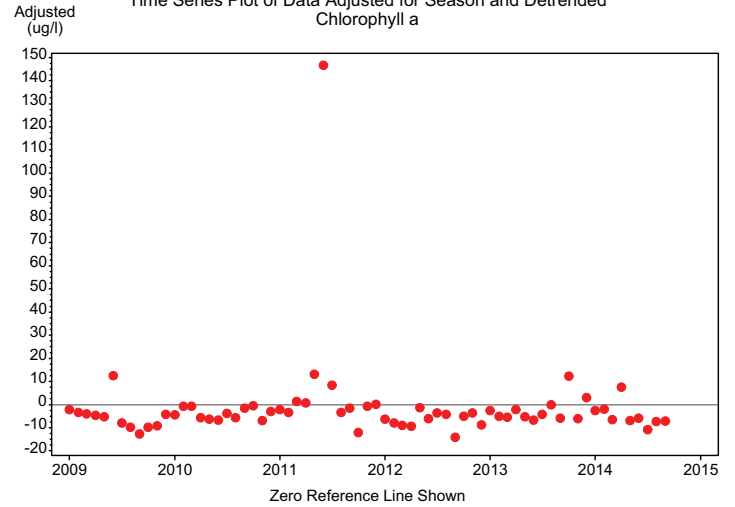
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.291	.007	0.178	1.05

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.29091	.00683951	0.17843	1.05

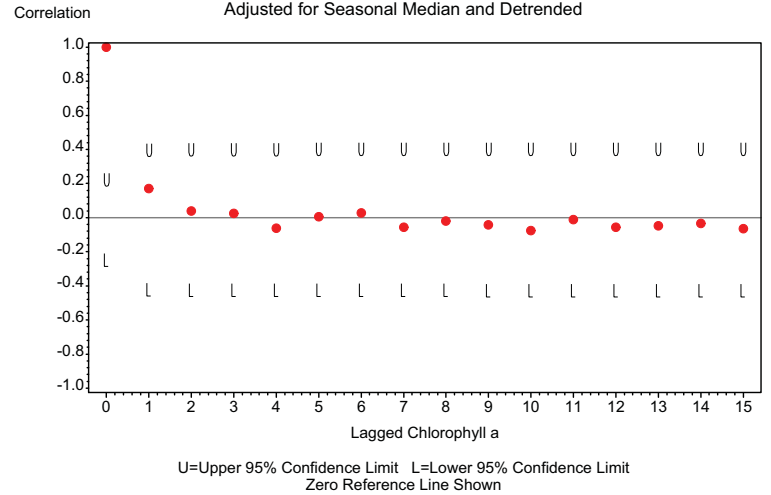
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



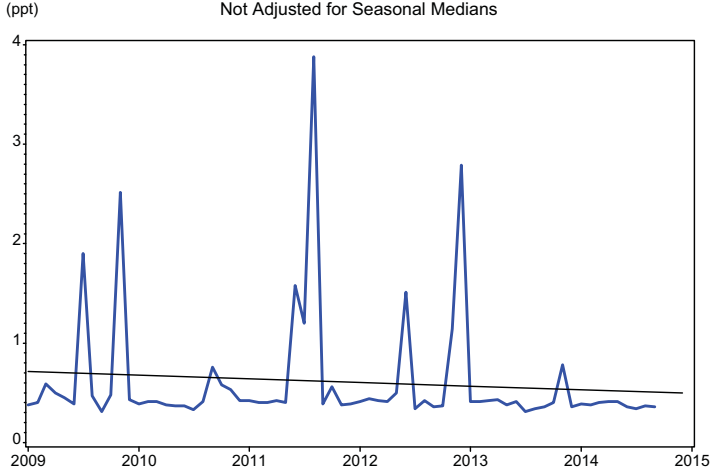
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.170	0.204	0.408	-0.408
2	0.039	0.206	0.412	-0.412
3	0.026	0.206	0.412	-0.412
4	-0.062	0.206	0.412	-0.412
5	0.005	0.206	0.413	-0.413
6	0.027	0.206	0.413	-0.413
7	-0.056	0.207	0.413	-0.413
8	-0.019	0.207	0.413	-0.413
9	-0.043	0.207	0.414	-0.414
10	-0.077	0.207	0.414	-0.414
11	-0.013	0.207	0.415	-0.415
12	-0.057	0.207	0.415	-0.415
13	-0.047	0.208	0.415	-0.415
14	-0.034	0.208	0.415	-0.415
15	-0.066	0.208	0.415	-0.415

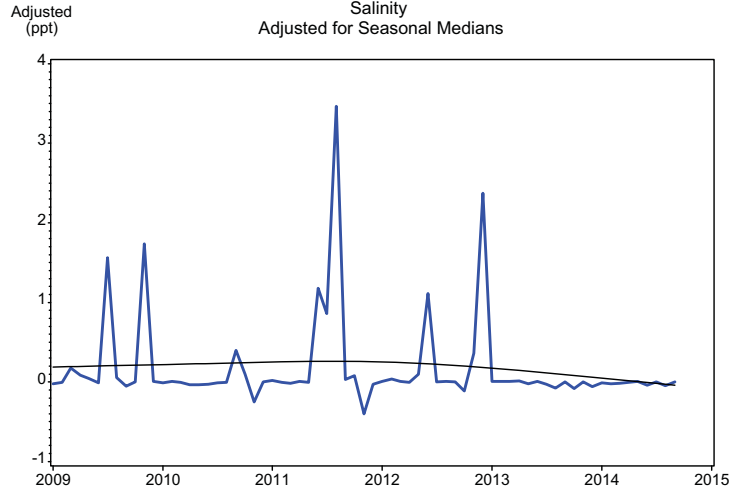
Haldeman Cr Upper Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



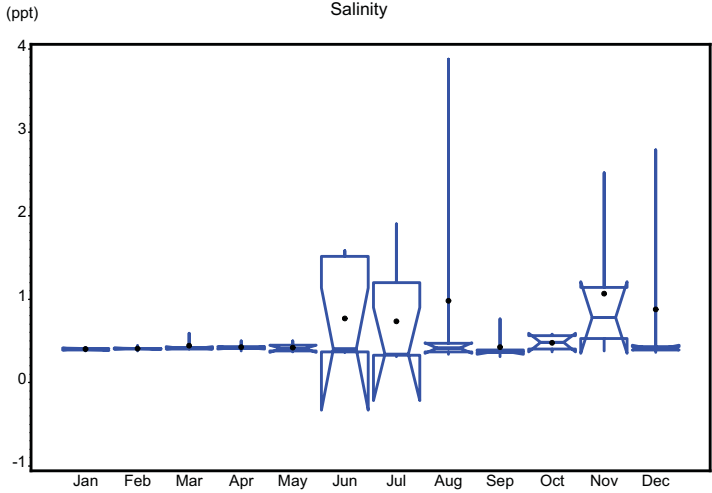
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



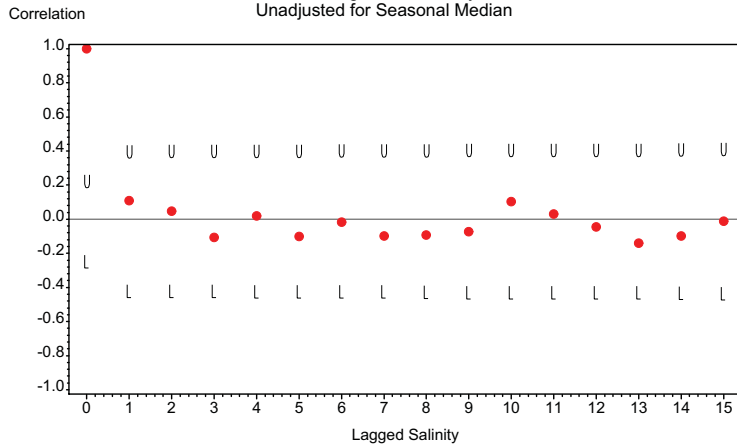
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Salinity



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.109	0.204	0.408	-0.408
2	0.048	0.205	0.410	-0.410
3	-0.108	0.205	0.410	-0.410
4	0.020	0.206	0.412	-0.412
5	-0.102	0.206	0.412	-0.412
6	-0.017	0.207	0.413	-0.413
7	-0.099	0.207	0.413	-0.413
8	-0.093	0.207	0.415	-0.415
9	-0.073	0.208	0.416	-0.416
10	0.103	0.208	0.416	-0.416
11	0.029	0.209	0.418	-0.418
12	-0.046	0.209	0.418	-0.418
13	-0.141	0.209	0.418	-0.418
14	-0.099	0.210	0.421	-0.421
15	-0.012	0.211	0.422	-0.422

Haldeman Cr Upper Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

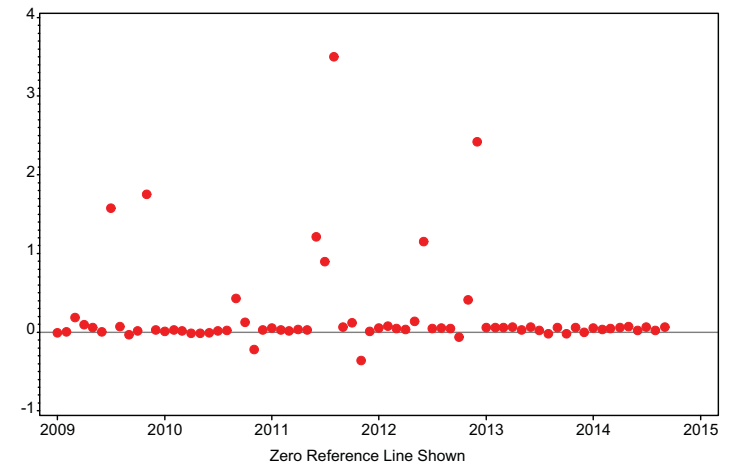
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.194	0.07	0.168	-0.01

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.19394	0.070294	0.16789	-0.01

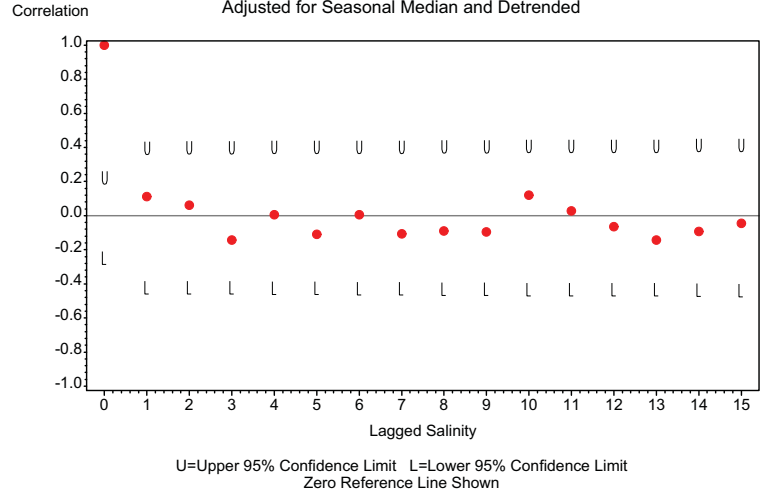
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



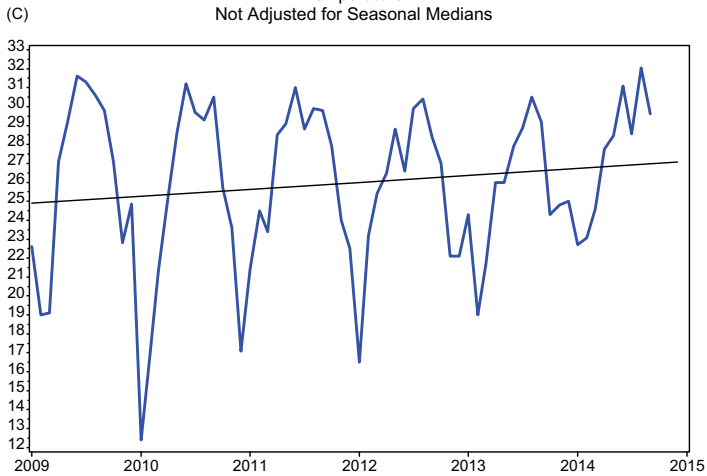
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.112	0.204	0.408	-0.408
2	0.061	0.205	0.410	-0.410
3	-0.142	0.205	0.410	-0.410
4	0.006	0.207	0.413	-0.413
5	-0.110	0.207	0.413	-0.413
6	0.006	0.207	0.415	-0.415
7	-0.107	0.207	0.415	-0.415
8	-0.090	0.208	0.416	-0.416
9	-0.097	0.209	0.417	-0.417
10	0.120	0.209	0.419	-0.419
11	0.027	0.210	0.421	-0.421
12	-0.064	0.210	0.421	-0.421
13	-0.142	0.211	0.421	-0.421
14	-0.094	0.212	0.424	-0.424
15	-0.046	0.212	0.425	-0.425

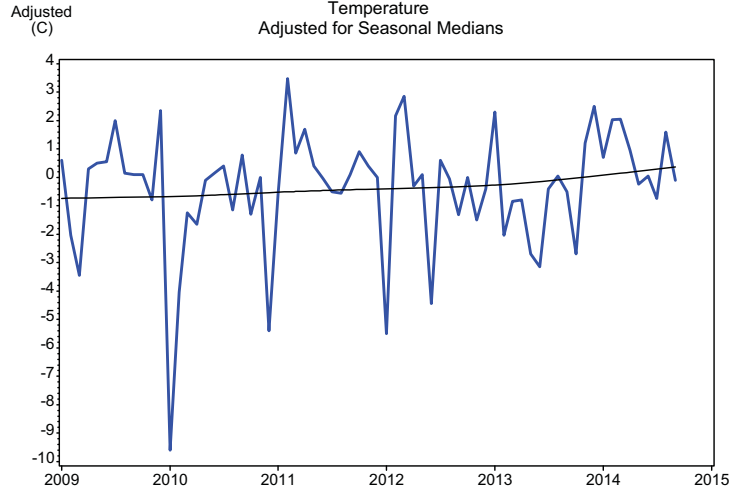
Haldeman Cr Upper Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



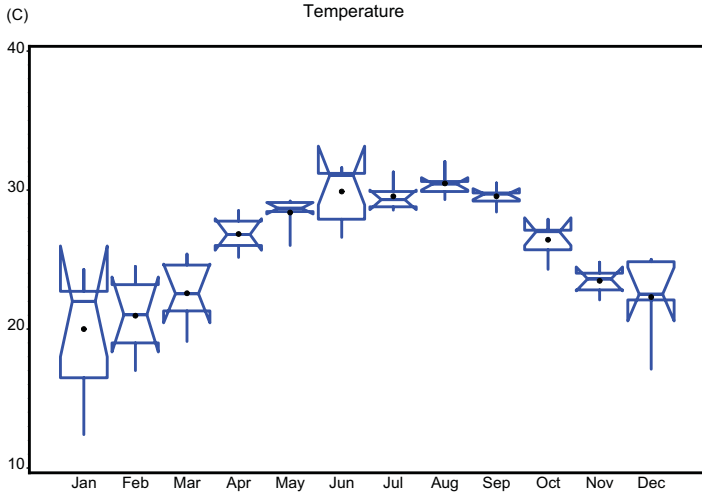
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



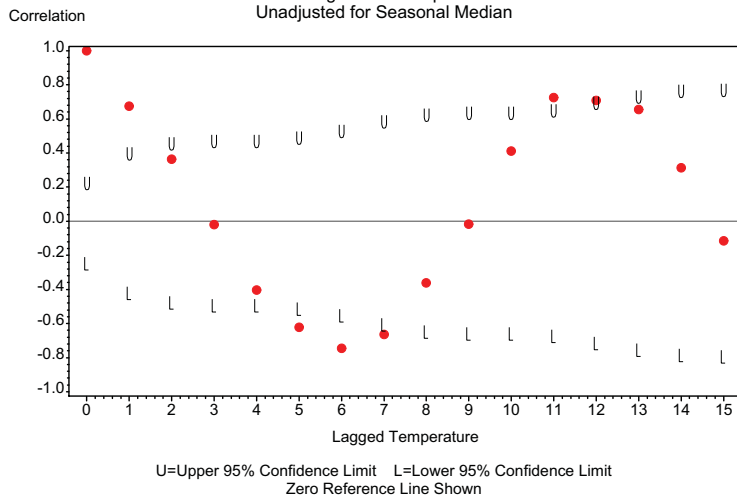
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Temperature



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.674	0.204	0.408	-0.408
2	0.363	0.233	0.466	-0.466
3	-0.021	0.241	0.481	-0.481
4	-0.403	0.241	0.481	-0.481
5	-0.623	0.250	0.500	-0.500
6	-0.744	0.271	0.541	-0.541
7	-0.663	0.298	0.595	-0.595
8	-0.361	0.318	0.635	-0.635
9	-0.017	0.323	0.646	-0.646
10	0.412	0.323	0.646	-0.646
11	0.724	0.330	0.661	-0.661
12	0.709	0.352	0.704	-0.704
13	0.656	0.371	0.742	-0.742
14	0.314	0.387	0.774	-0.774
15	-0.116	0.390	0.781	-0.781

Haldeman Cr Upper Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



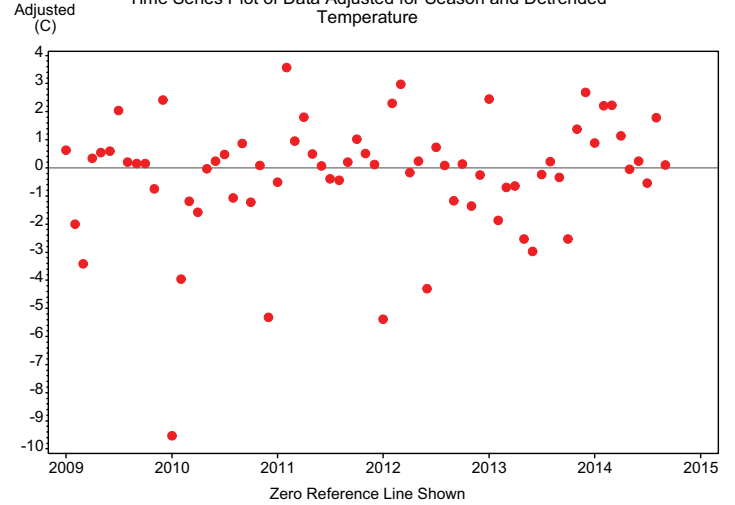
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.03	0.818	0.852	-0.03

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.030303	0.81825	0.85179	-0.03

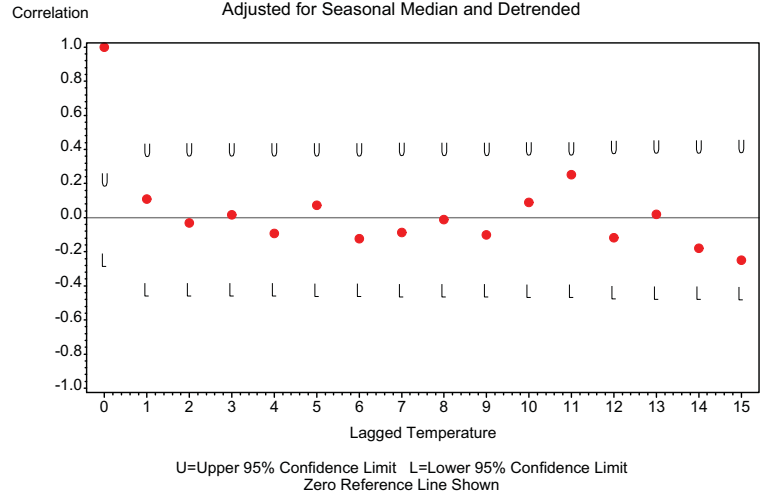
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



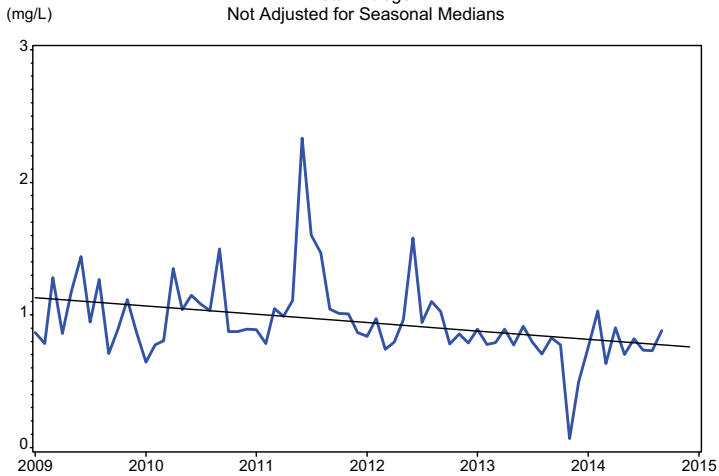
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.110	0.204	0.408	-0.408
2	-0.032	0.205	0.410	-0.410
3	0.015	0.205	0.410	-0.410
4	-0.092	0.205	0.410	-0.410
5	0.071	0.206	0.411	-0.411
6	-0.125	0.206	0.412	-0.412
7	-0.088	0.207	0.414	-0.414
8	-0.013	0.208	0.415	-0.415
9	-0.100	0.208	0.415	-0.415
10	0.089	0.208	0.416	-0.416
11	0.252	0.209	0.417	-0.417
12	-0.117	0.213	0.426	-0.426
13	0.020	0.214	0.428	-0.428
14	-0.179	0.214	0.428	-0.428
15	-0.250	0.216	0.432	-0.432

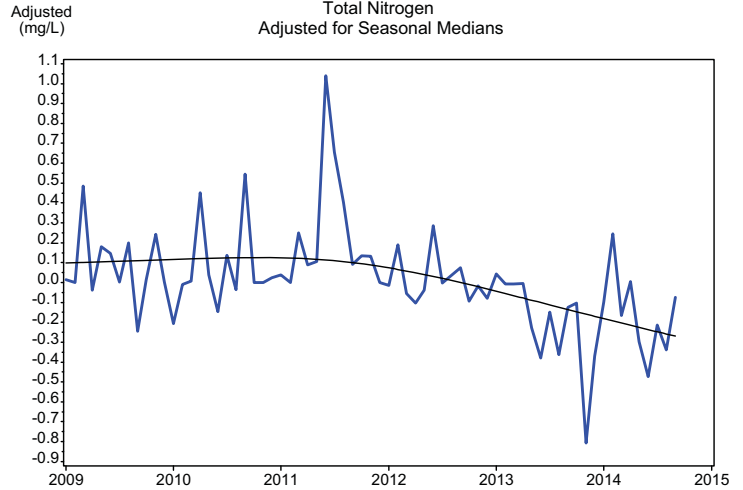
Haldeman Cr Upper Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



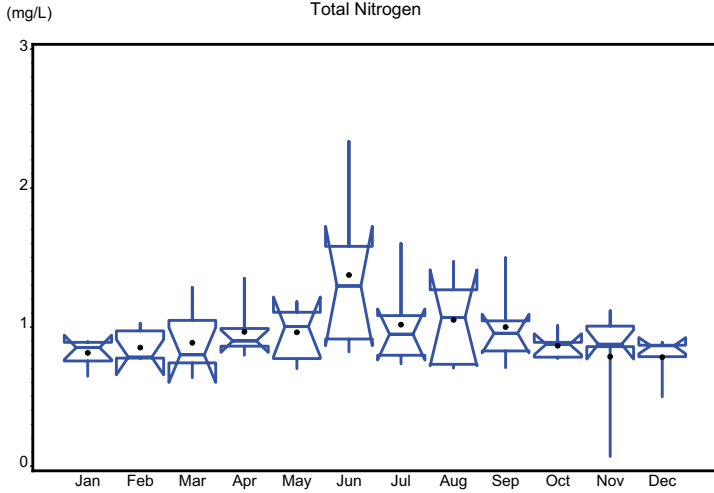
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



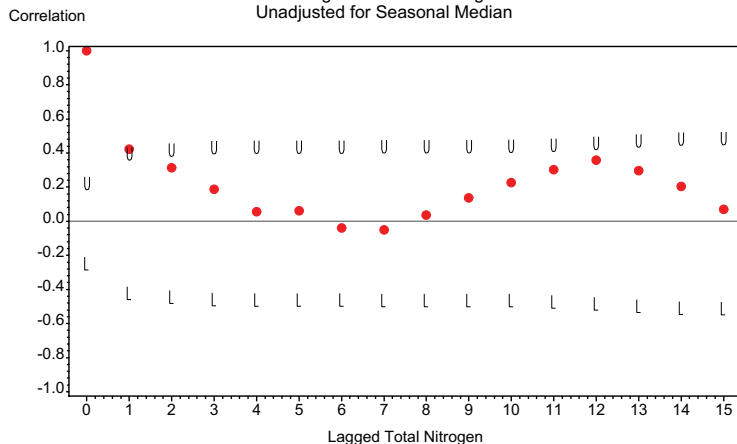
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.422	0.204	0.408	-0.408
2	0.314	0.216	0.432	-0.432
3	0.186	0.222	0.444	-0.444
4	0.056	0.224	0.449	-0.449
5	0.062	0.224	0.449	-0.449
6	-0.041	0.225	0.449	-0.449
7	-0.051	0.225	0.450	-0.450
8	0.036	0.225	0.450	-0.450
9	0.138	0.225	0.450	-0.450
10	0.226	0.226	0.452	-0.452
11	0.303	0.229	0.459	-0.459
12	0.359	0.235	0.470	-0.470
13	0.295	0.242	0.485	-0.485
14	0.205	0.247	0.495	-0.495
15	0.070	0.250	0.499	-0.499

Haldeman Cr Upper Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



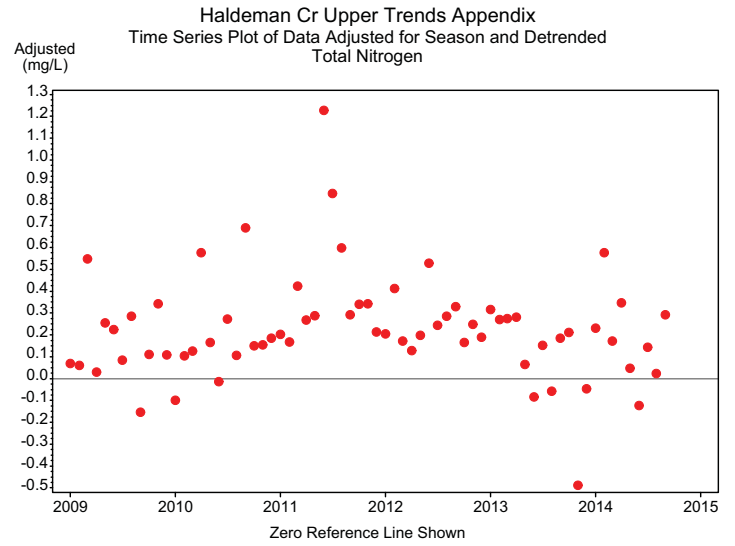
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.406	0	0.053	-0.055

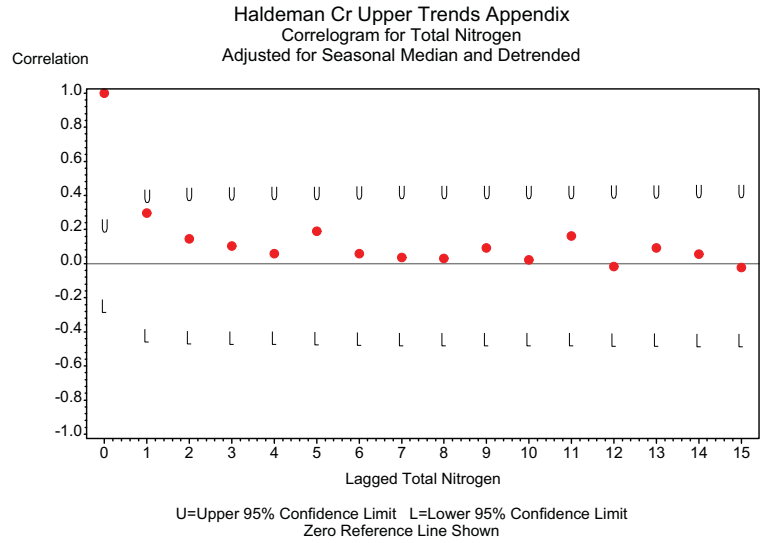
Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.40606	.000157624	0.052611	-0.054667

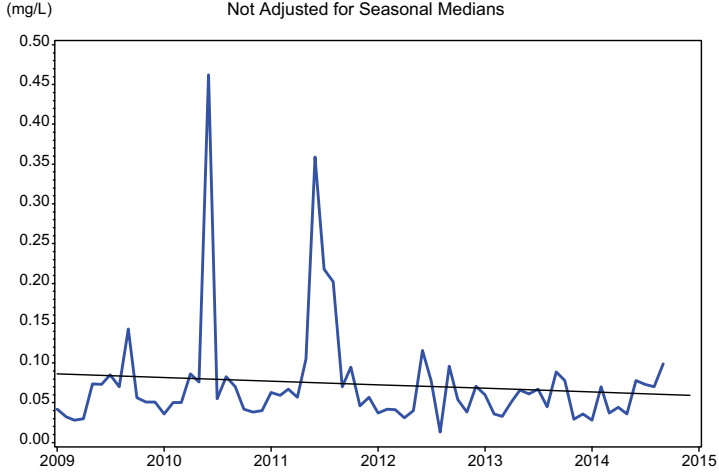


Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

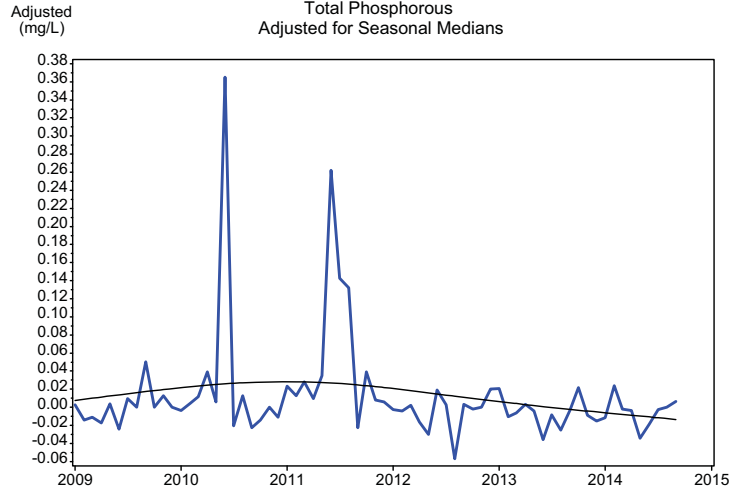
Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.296	0.204	0.408	-0.408
2	0.145	0.210	0.420	-0.420
3	0.102	0.211	0.423	-0.423
4	0.057	0.212	0.424	-0.424
5	0.189	0.212	0.425	-0.425
6	0.058	0.215	0.429	-0.429
7	0.037	0.215	0.430	-0.430
8	0.031	0.215	0.430	-0.430
9	0.092	0.215	0.430	-0.430
10	0.022	0.216	0.431	-0.431
11	0.162	0.216	0.431	-0.431
12	-0.017	0.217	0.434	-0.434
13	0.093	0.217	0.434	-0.434
14	0.055	0.218	0.436	-0.436
15	-0.022	0.218	0.436	-0.436



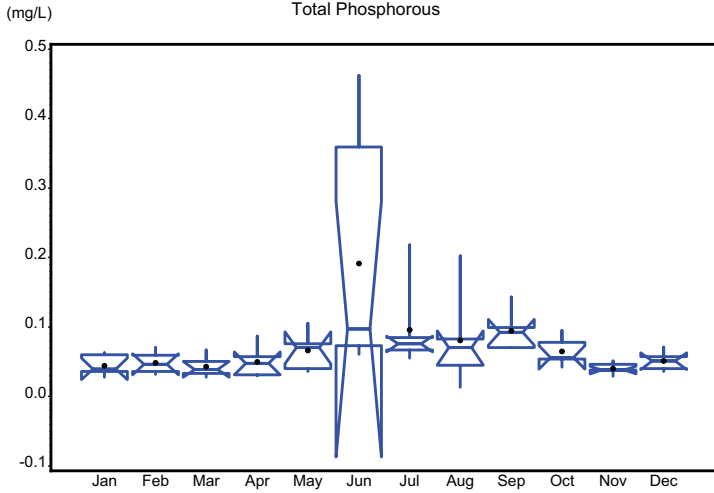
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



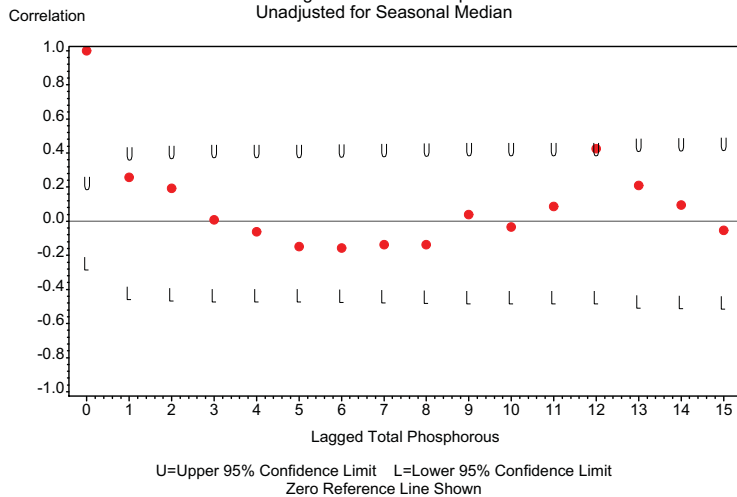
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.257	0.204	0.408	-0.408
2	0.194	0.209	0.417	-0.417
3	0.008	0.211	0.422	-0.422
4	-0.063	0.211	0.422	-0.422
5	-0.148	0.211	0.423	-0.423
6	-0.156	0.213	0.426	-0.426
7	-0.139	0.214	0.429	-0.429
8	-0.139	0.216	0.431	-0.431
9	0.038	0.217	0.434	-0.434
10	-0.033	0.217	0.434	-0.434
11	0.086	0.217	0.434	-0.434
12	0.426	0.218	0.435	-0.435
13	0.209	0.229	0.458	-0.458
14	0.096	0.231	0.463	-0.463
15	-0.054	0.232	0.464	-0.464

Haldeman Cr Upper Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



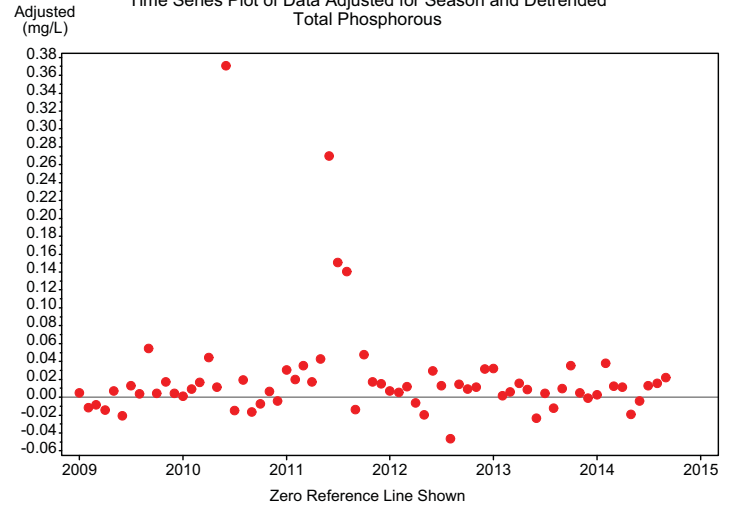
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.121	0.274	0.497	-0.002

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12121	0.27425	0.49741	-0.00233333

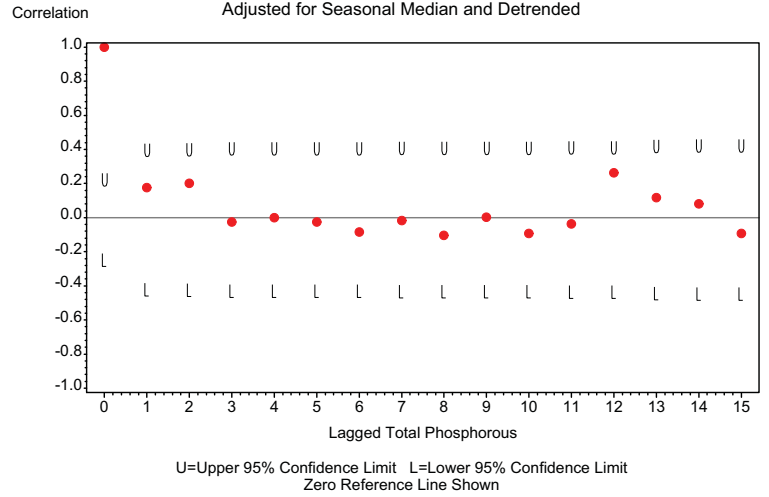
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



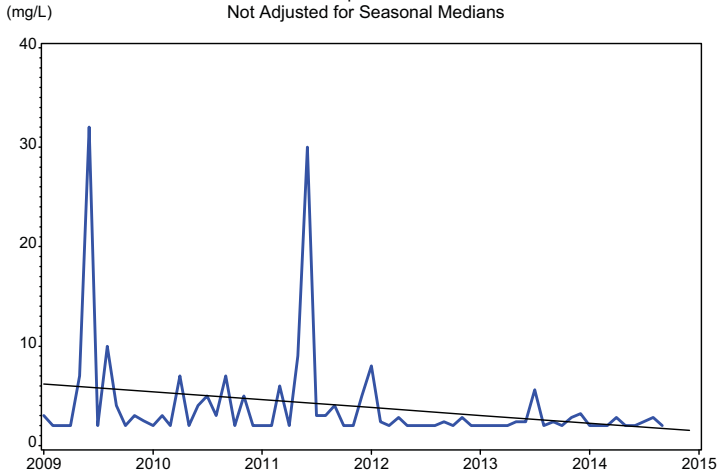
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.177	0.204	0.408	-0.408
2	0.200	0.206	0.412	-0.412
3	-0.027	0.209	0.418	-0.418
4	0.000	0.209	0.418	-0.418
5	-0.025	0.209	0.418	-0.418
6	-0.084	0.209	0.418	-0.418
7	-0.018	0.209	0.419	-0.419
8	-0.103	0.209	0.419	-0.419
9	0.002	0.210	0.420	-0.420
10	-0.094	0.210	0.420	-0.420
11	-0.038	0.211	0.422	-0.422
12	0.263	0.211	0.422	-0.422
13	0.116	0.215	0.431	-0.431
14	0.081	0.216	0.433	-0.433
15	-0.092	0.217	0.433	-0.433

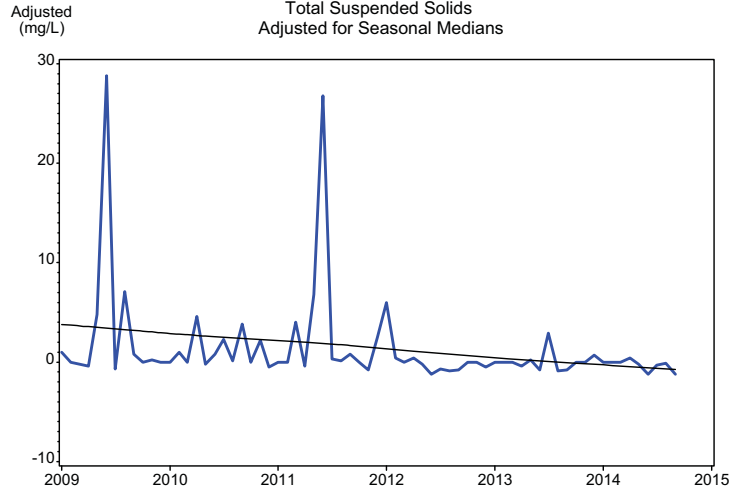
Haldeman Cr Upper Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



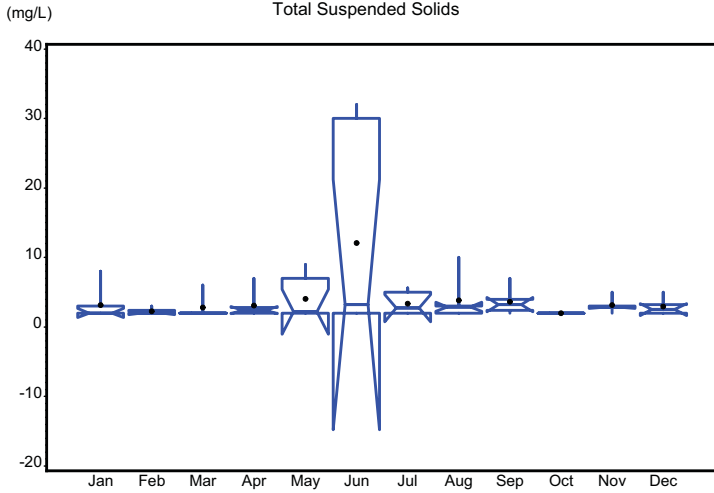
Haldeman Cr Upper Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



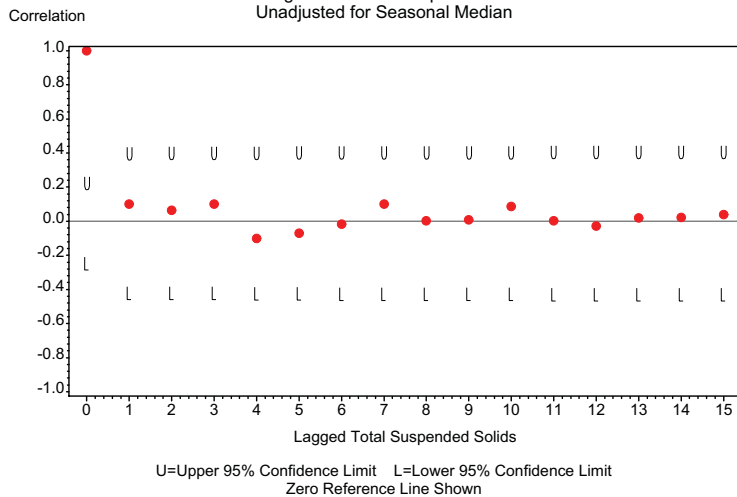
Haldeman Cr Upper Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.101	0.204	0.408	-0.408
2	0.065	0.205	0.410	-0.410
3	0.099	0.205	0.410	-0.410
4	-0.100	0.206	0.412	-0.412
5	-0.070	0.206	0.413	-0.413
6	-0.017	0.207	0.414	-0.414
7	0.100	0.207	0.414	-0.414
8	0.002	0.207	0.415	-0.415
9	0.009	0.207	0.415	-0.415
10	0.086	0.207	0.415	-0.415
11	0.003	0.208	0.416	-0.416
12	-0.028	0.208	0.416	-0.416
13	0.020	0.208	0.416	-0.416
14	0.023	0.208	0.416	-0.416
15	0.040	0.208	0.416	-0.416

Haldeman Cr Upper Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



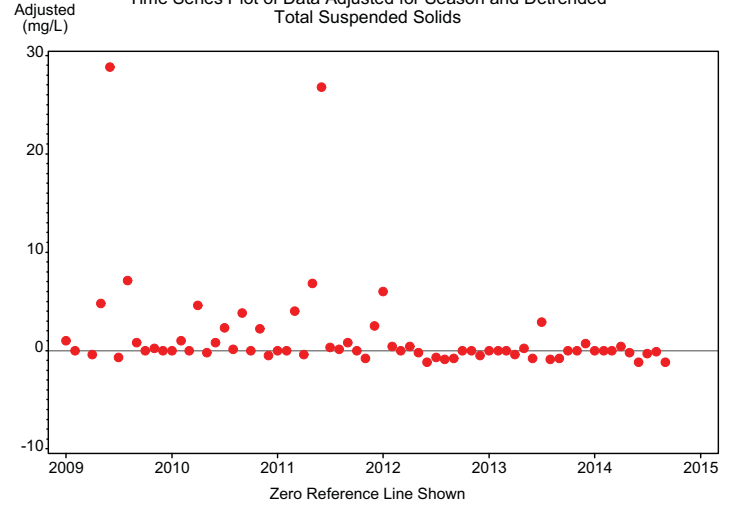
Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.256	.009	0.041	0

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.25625	.00897435	0.040788	0

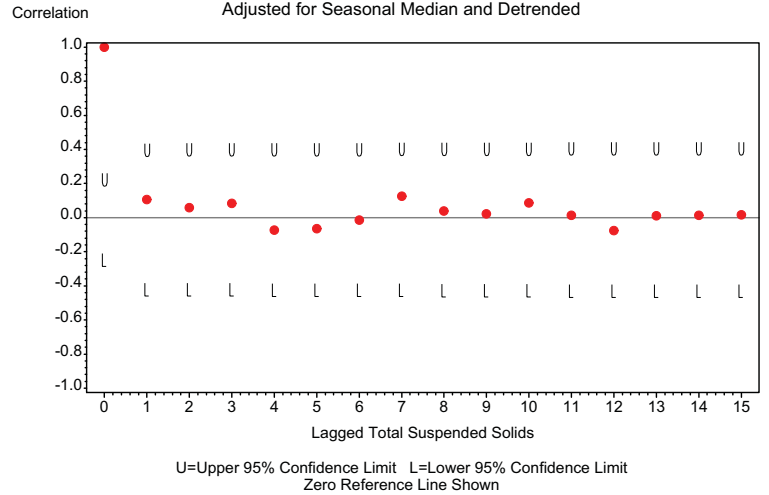
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



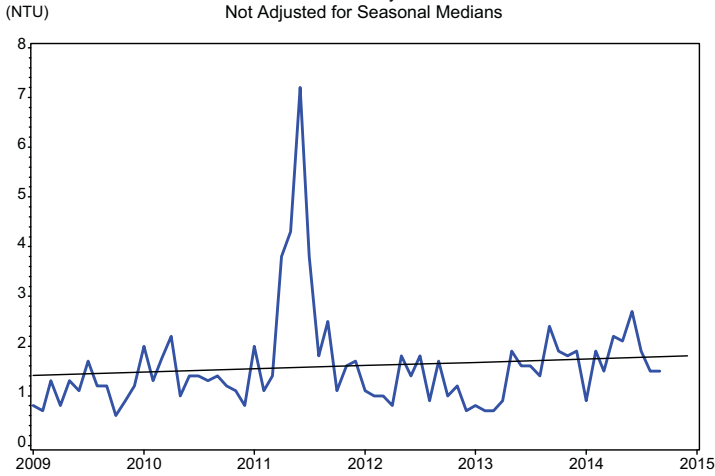
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.106	0.204	0.408	-0.408
2	0.059	0.205	0.410	-0.410
3	0.084	0.205	0.410	-0.410
4	-0.072	0.206	0.411	-0.411
5	-0.066	0.206	0.412	-0.412
6	-0.014	0.206	0.412	-0.412
7	0.125	0.206	0.413	-0.413
8	0.038	0.207	0.415	-0.415
9	0.022	0.207	0.415	-0.415
10	0.086	0.207	0.415	-0.415
11	0.013	0.208	0.416	-0.416
12	-0.077	0.208	0.416	-0.416
13	0.012	0.208	0.417	-0.417
14	0.013	0.208	0.417	-0.417
15	0.016	0.208	0.417	-0.417

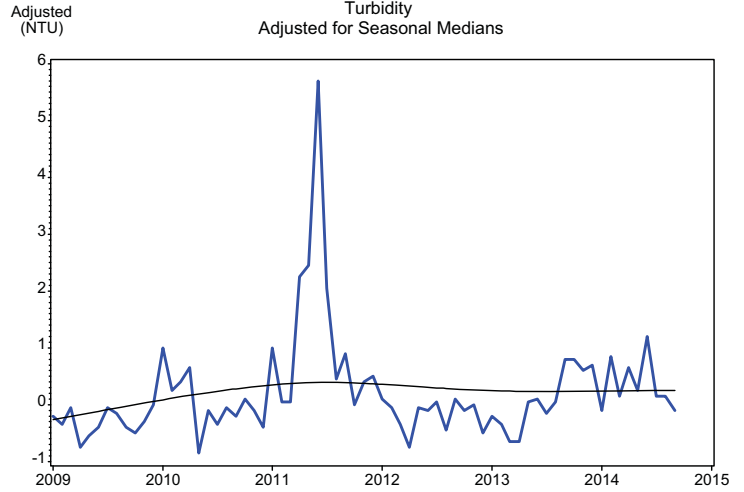
Haldeman Cr Upper Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



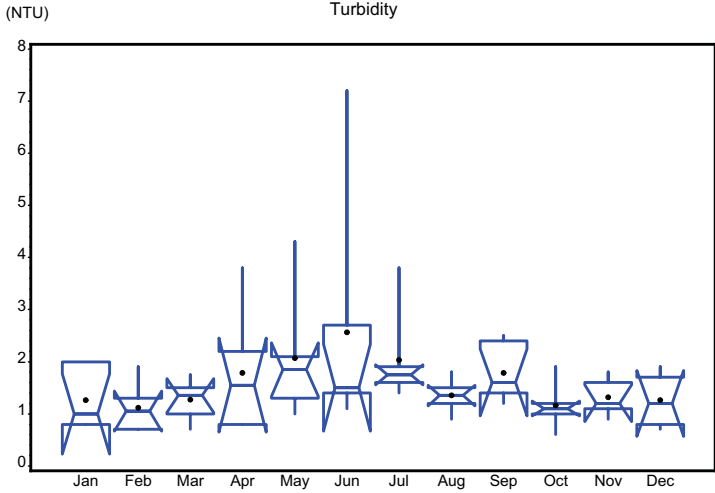
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



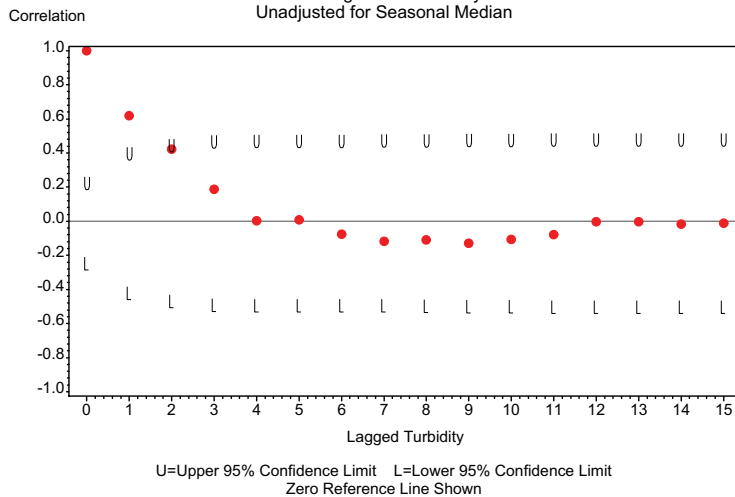
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Turbidity



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.617	0.204	0.408	-0.408
2	0.422	0.229	0.457	-0.457
3	0.186	0.239	0.478	-0.478
4	0.001	0.241	0.482	-0.482
5	0.008	0.241	0.482	-0.482
6	-0.077	0.241	0.482	-0.482
7	-0.119	0.242	0.483	-0.483
8	-0.110	0.242	0.485	-0.485
9	-0.129	0.243	0.486	-0.486
10	-0.108	0.244	0.488	-0.488
11	-0.079	0.245	0.489	-0.489
12	-0.002	0.245	0.490	-0.490
13	-0.003	0.245	0.490	-0.490
14	-0.016	0.245	0.490	-0.490
15	-0.011	0.245	0.490	-0.490

Haldeman Cr Upper Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



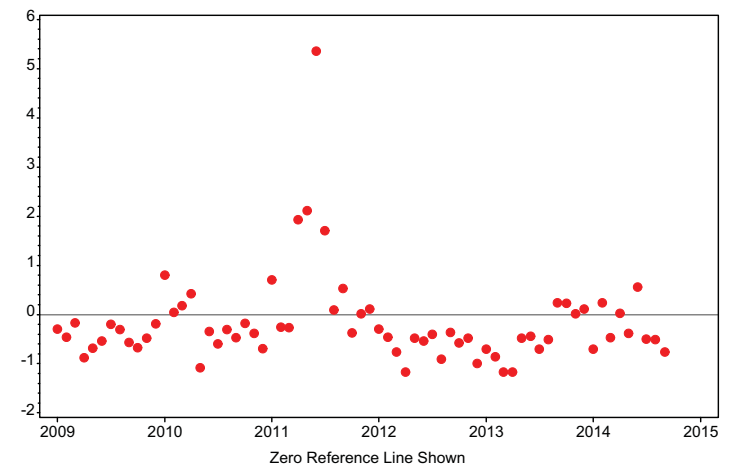
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.248	0.021	0.302	0.1

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.24849	0.020708	0.30197	0.1

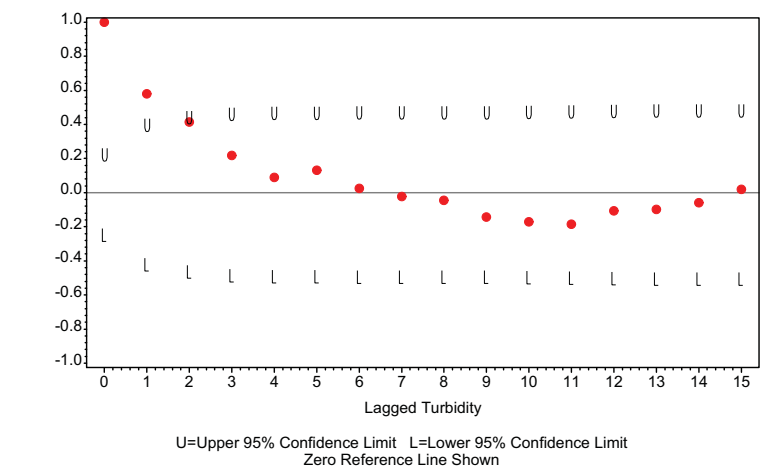
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



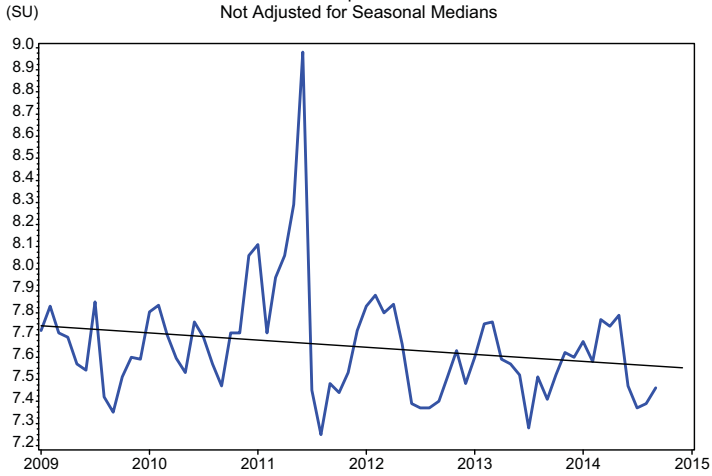
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.580	0.204	0.408	-0.408
2	0.415	0.226	0.452	-0.452
3	0.218	0.236	0.472	-0.472
4	0.089	0.239	0.478	-0.478
5	0.130	0.239	0.479	-0.479
6	0.026	0.240	0.481	-0.481
7	-0.024	0.240	0.481	-0.481
8	-0.045	0.240	0.481	-0.481
9	-0.142	0.241	0.481	-0.481
10	-0.170	0.242	0.484	-0.484
11	-0.185	0.243	0.487	-0.487
12	-0.106	0.245	0.491	-0.491
13	-0.098	0.246	0.492	-0.492
14	-0.059	0.247	0.493	-0.493
15	0.020	0.247	0.493	-0.493

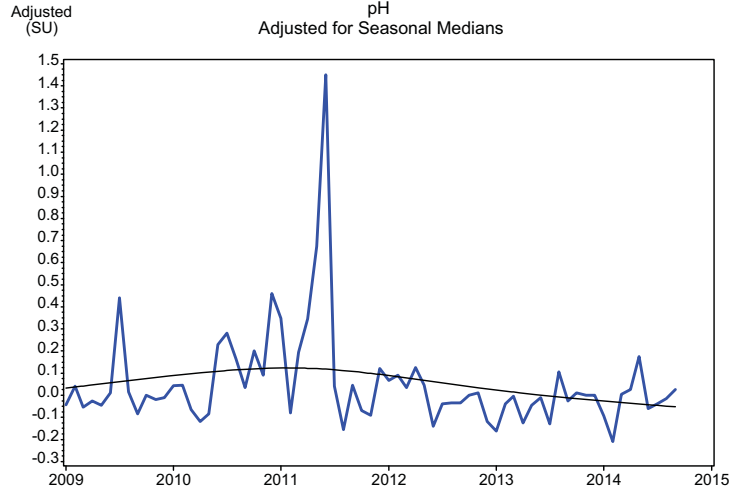
Haldeman Cr Upper Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



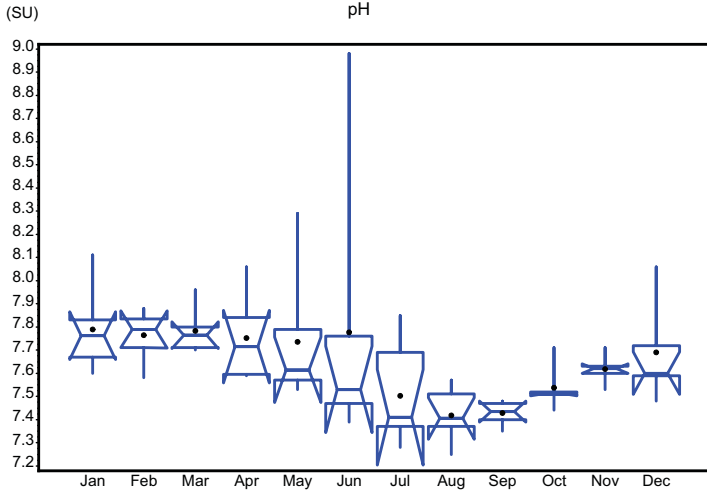
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



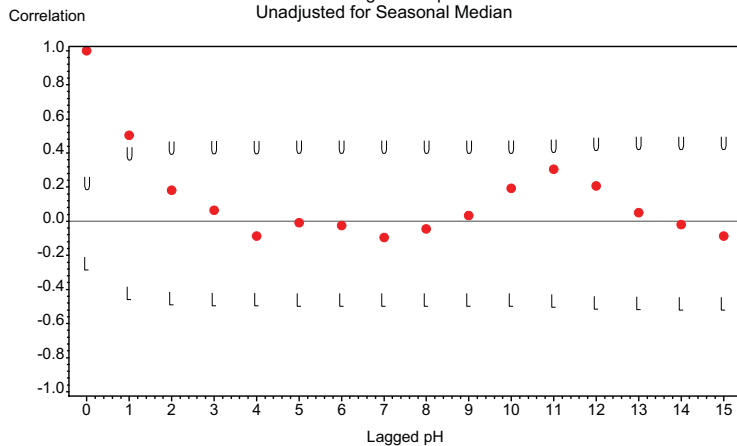
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
pH



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.503	0.204	0.408	-0.408
2	0.182	0.221	0.441	-0.441
3	0.063	0.223	0.445	-0.445
4	-0.086	0.223	0.446	-0.446
5	-0.101	0.223	0.447	-0.447
6	-0.027	0.223	0.447	-0.447
7	-0.095	0.223	0.447	-0.447
8	-0.046	0.224	0.448	-0.448
9	0.032	0.224	0.448	-0.448
10	0.192	0.224	0.448	-0.448
11	0.305	0.227	0.453	-0.453
12	0.206	0.232	0.464	-0.464
13	0.049	0.235	0.469	-0.469
14	-0.020	0.235	0.470	-0.470
15	-0.088	0.235	0.470	-0.470

Haldeman Cr Upper Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

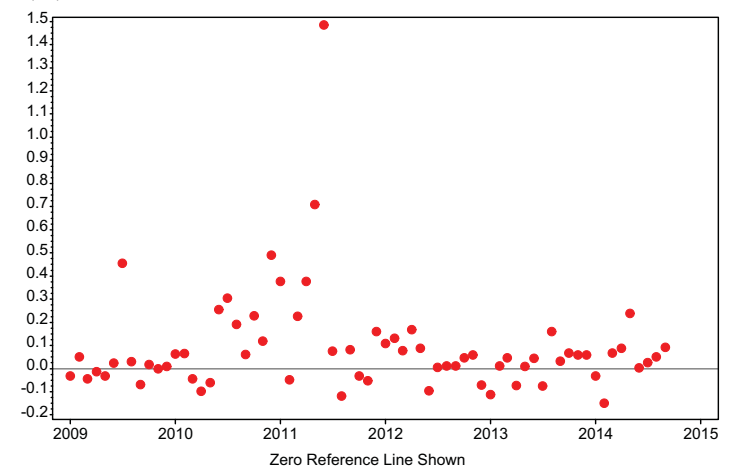
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.109	0.328	0.392	-0.01

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10909	0.32796	0.39175	-0.01

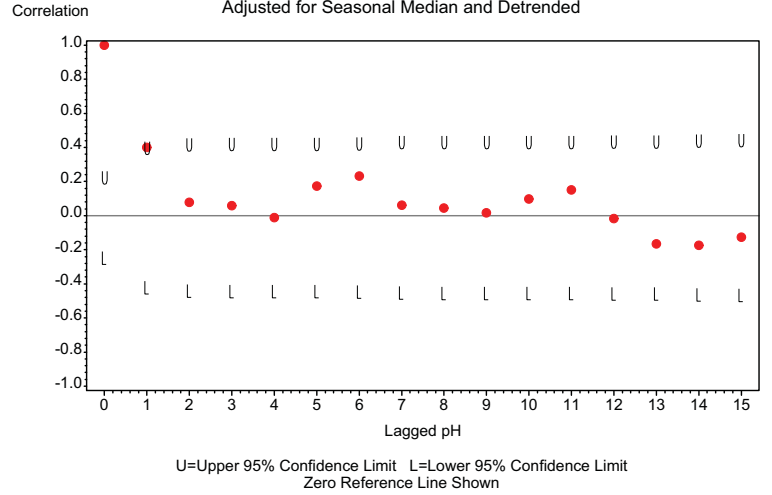
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



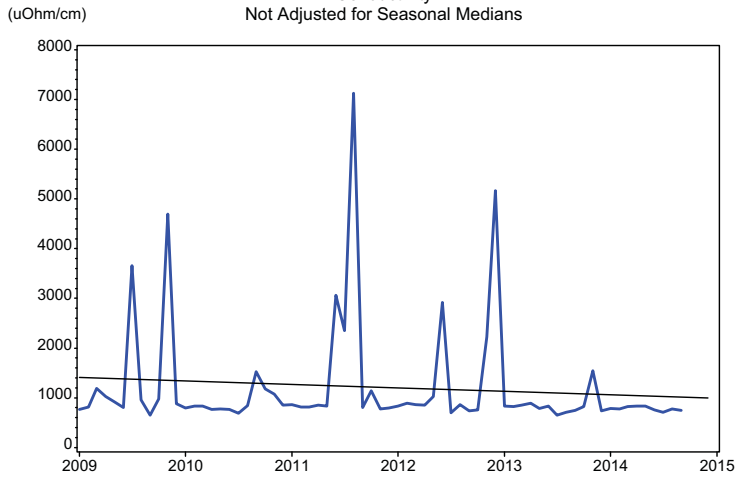
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.400	0.204	0.408	-0.408
2	0.078	0.215	0.429	-0.429
3	0.058	0.215	0.430	-0.430
4	-0.013	0.215	0.431	-0.431
5	0.174	0.215	0.431	-0.431
6	0.233	0.217	0.435	-0.435
7	0.062	0.221	0.441	-0.441
8	0.044	0.221	0.442	-0.442
9	0.015	0.221	0.442	-0.442
10	0.097	0.221	0.442	-0.442
11	0.151	0.222	0.443	-0.443
12	-0.017	0.223	0.446	-0.446
13	-0.166	0.223	0.446	-0.446
14	-0.175	0.225	0.450	-0.450
15	-0.126	0.227	0.453	-0.453

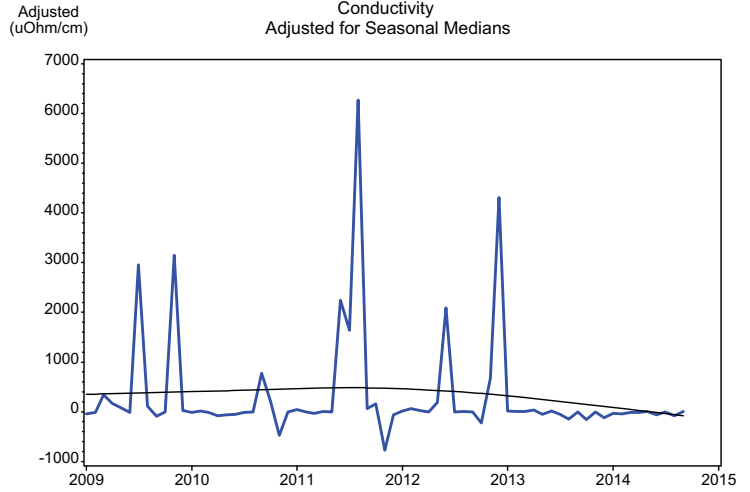
Haldeman Cr Upper Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



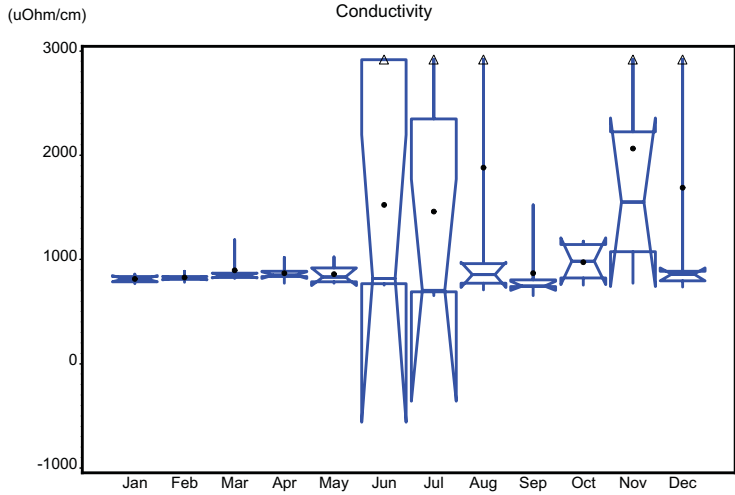
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



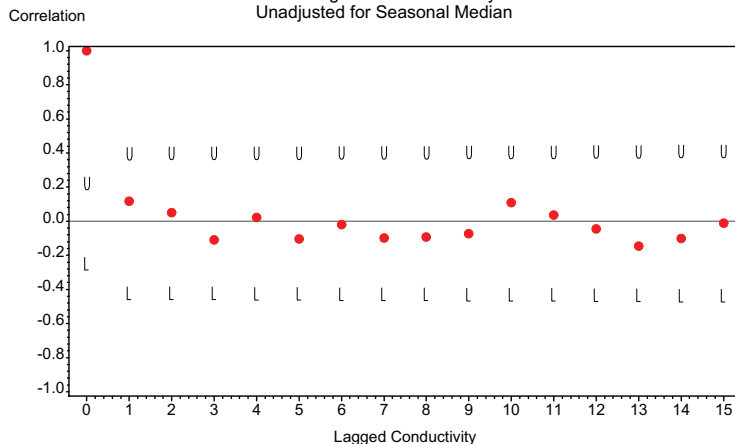
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Conductivity



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.116	0.204	0.408	-0.408
2	0.049	0.205	0.410	-0.410
3	-0.110	0.205	0.410	-0.410
4	0.021	0.206	0.412	-0.412
5	-0.105	0.206	0.412	-0.412
6	-0.019	0.207	0.414	-0.414
7	-0.099	0.207	0.414	-0.414
8	-0.093	0.207	0.415	-0.415
9	-0.072	0.208	0.416	-0.416
10	0.108	0.208	0.417	-0.417
11	0.035	0.209	0.418	-0.418
12	-0.044	0.209	0.419	-0.419
13	-0.146	0.209	0.419	-0.419
14	-0.100	0.211	0.422	-0.422
15	-0.012	0.211	0.423	-0.423

Haldeman Cr Upper Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

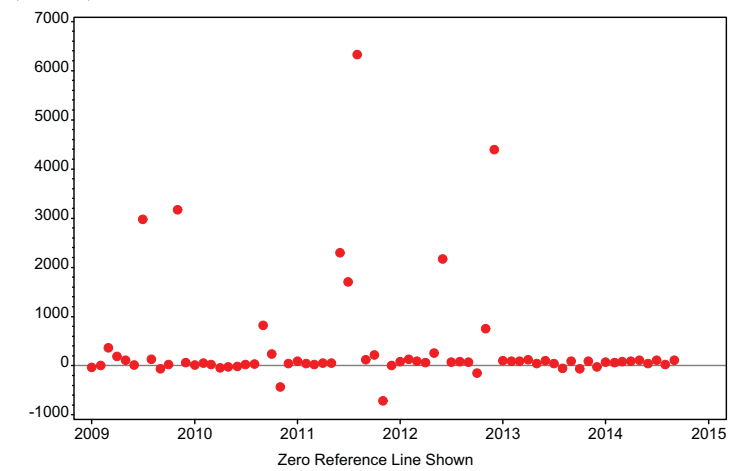
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.176	0.109	0.178	-16.4

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17576	0.10887	0.17776	-16.4

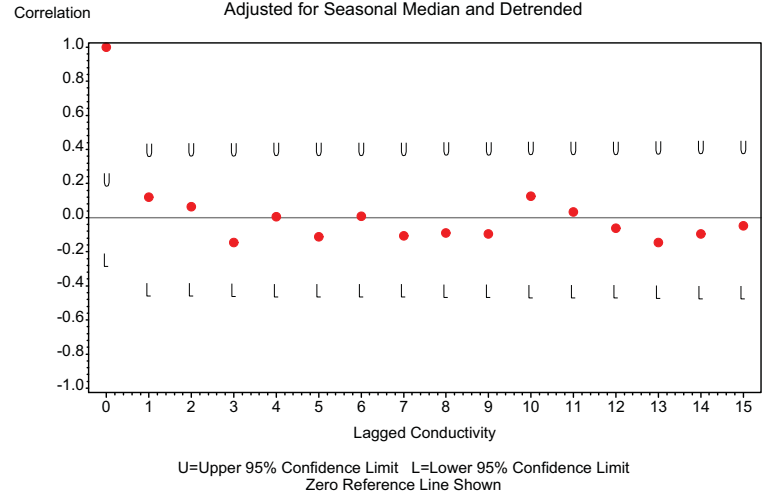
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



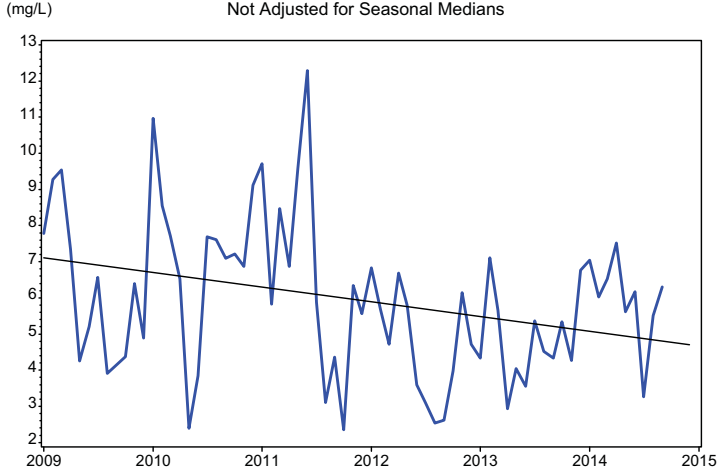
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.119	0.204	0.408	-0.408
2	0.063	0.205	0.410	-0.410
3	-0.145	0.205	0.411	-0.411
4	0.006	0.207	0.414	-0.414
5	-0.113	0.207	0.414	-0.414
6	0.007	0.208	0.415	-0.415
7	-0.107	0.208	0.415	-0.415
8	-0.089	0.208	0.417	-0.417
9	-0.096	0.209	0.418	-0.418
10	0.125	0.210	0.419	-0.419
11	0.032	0.211	0.421	-0.421
12	-0.063	0.211	0.421	-0.421
13	-0.146	0.211	0.422	-0.422
14	-0.095	0.212	0.425	-0.425
15	-0.047	0.213	0.426	-0.426

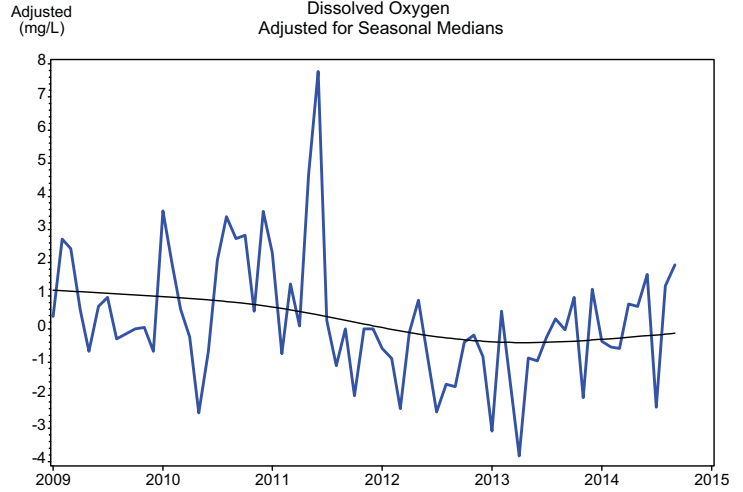
Haldeman Cr Upper Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



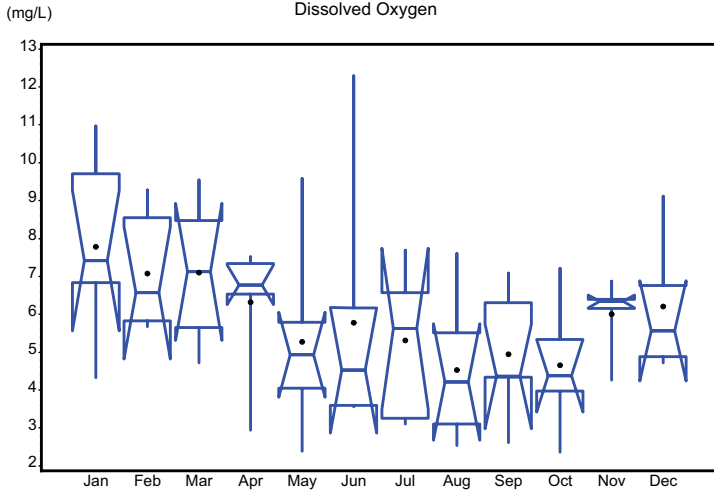
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



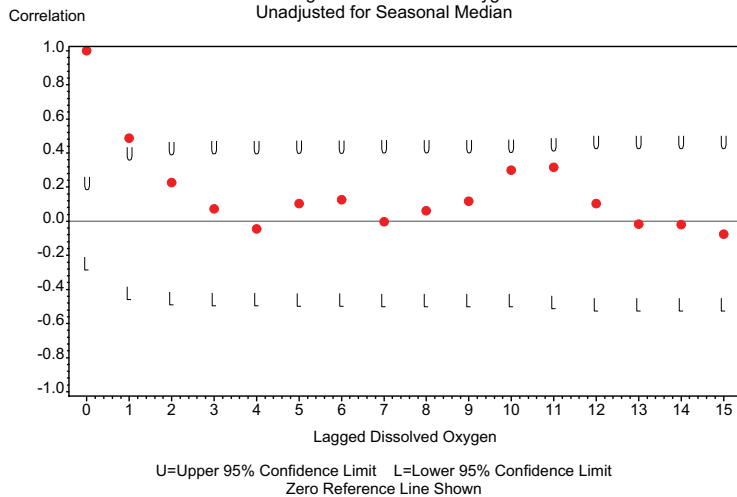
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.487	0.204	0.408	-0.408
2	0.226	0.220	0.439	-0.439
3	0.071	0.223	0.446	-0.446
4	-0.046	0.223	0.446	-0.446
5	0.103	0.223	0.447	-0.447
6	0.126	0.224	0.448	-0.448
7	-0.002	0.225	0.450	-0.450
8	0.061	0.225	0.450	-0.450
9	0.116	0.225	0.450	-0.450
10	0.298	0.226	0.452	-0.452
11	0.316	0.231	0.463	-0.463
12	0.104	0.237	0.475	-0.475
13	-0.016	0.238	0.476	-0.476
14	-0.020	0.238	0.476	-0.476
15	-0.077	0.238	0.476	-0.476

Haldeman Cr Upper Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median

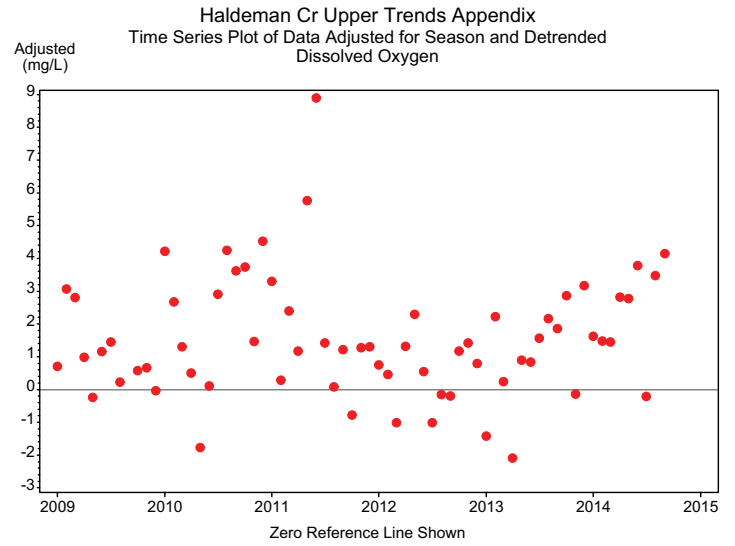


Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.263	0.017	0.219	-0.332

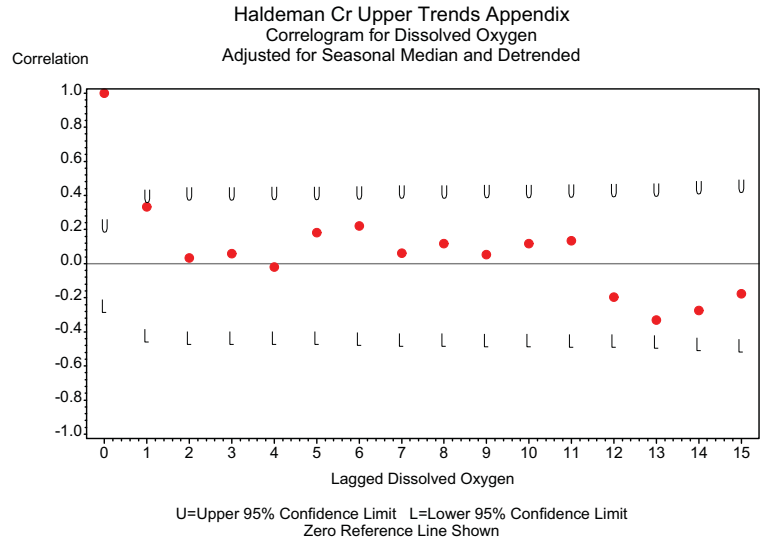
Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2625	0.016671	0.21916	-0.33167

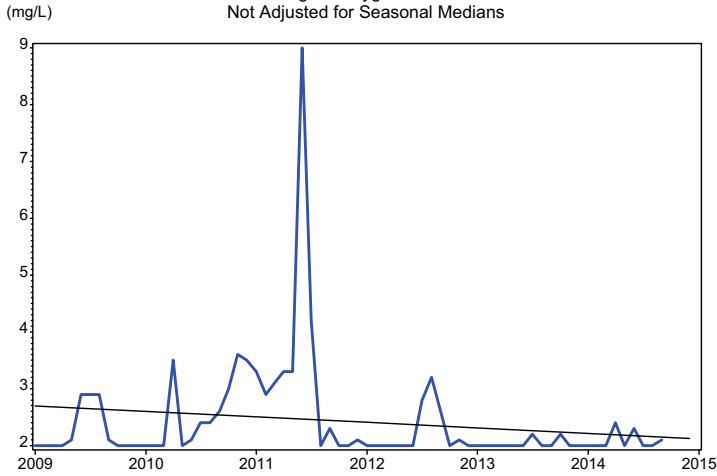


Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

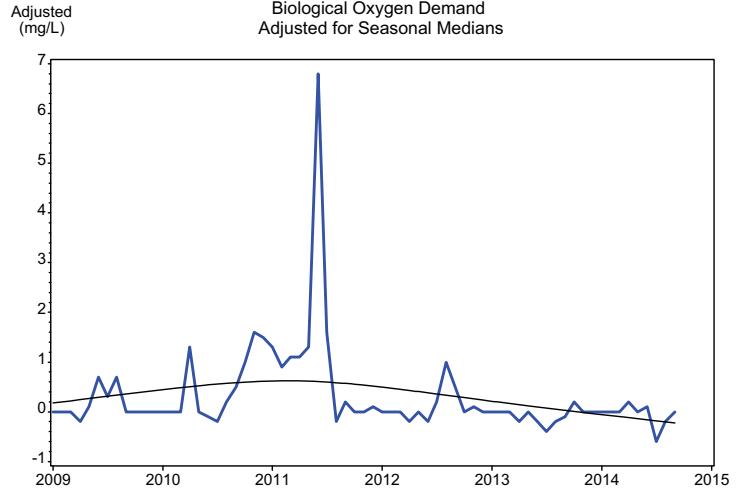
Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.332	0.204	0.408	-0.408
2	0.034	0.211	0.423	-0.423
3	0.057	0.212	0.423	-0.423
4	-0.021	0.212	0.424	-0.424
5	0.182	0.212	0.424	-0.424
6	0.222	0.214	0.428	-0.428
7	0.062	0.217	0.434	-0.434
8	0.117	0.217	0.435	-0.435
9	0.054	0.218	0.436	-0.436
10	0.117	0.218	0.437	-0.437
11	0.134	0.219	0.439	-0.439
12	-0.196	0.220	0.441	-0.441
13	-0.330	0.223	0.446	-0.446
14	-0.276	0.230	0.459	-0.459
15	-0.178	0.234	0.468	-0.468



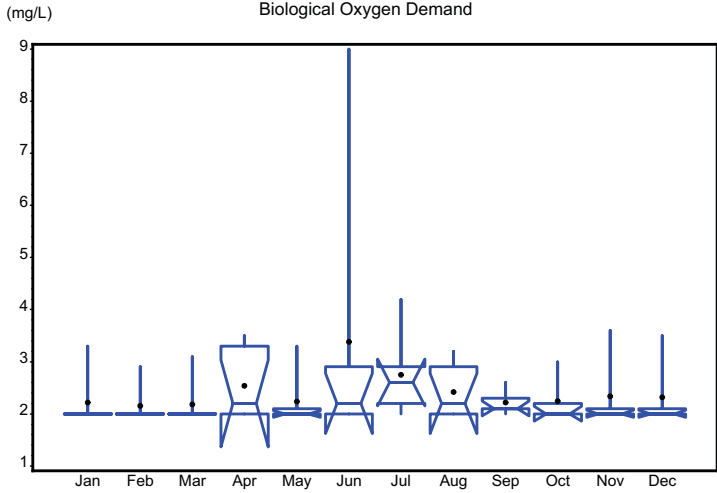
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



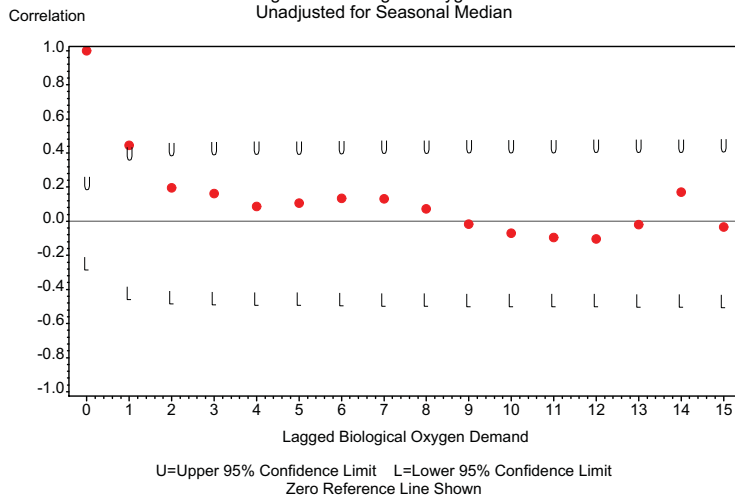
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.445	0.204	0.408	-0.408
2	0.196	0.217	0.434	-0.434
3	0.162	0.220	0.439	-0.439
4	0.085	0.221	0.443	-0.443
5	0.105	0.222	0.443	-0.443
6	0.135	0.222	0.445	-0.445
7	0.131	0.224	0.447	-0.447
8	0.071	0.225	0.449	-0.449
9	-0.016	0.225	0.450	-0.450
10	-0.070	0.225	0.450	-0.450
11	-0.095	0.225	0.450	-0.450
12	-0.105	0.226	0.452	-0.452
13	-0.020	0.226	0.453	-0.453
14	0.170	0.226	0.453	-0.453
15	-0.033	0.228	0.456	-0.456

Haldeman Cr Upper Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



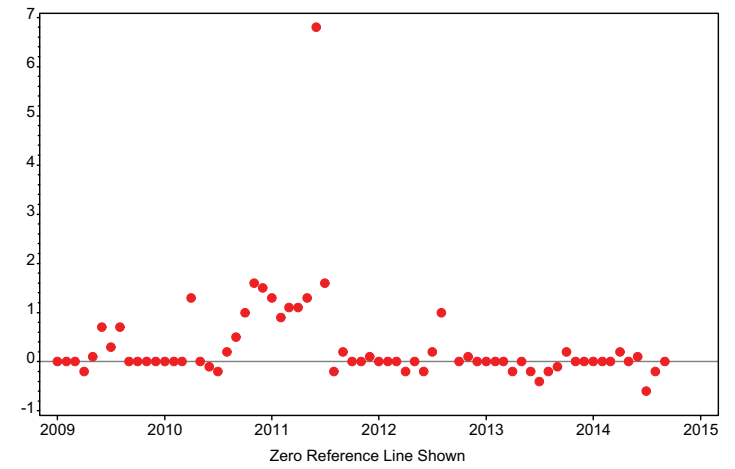
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.219	0.02	0.215	0

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.21875	0.020212	0.21493	0

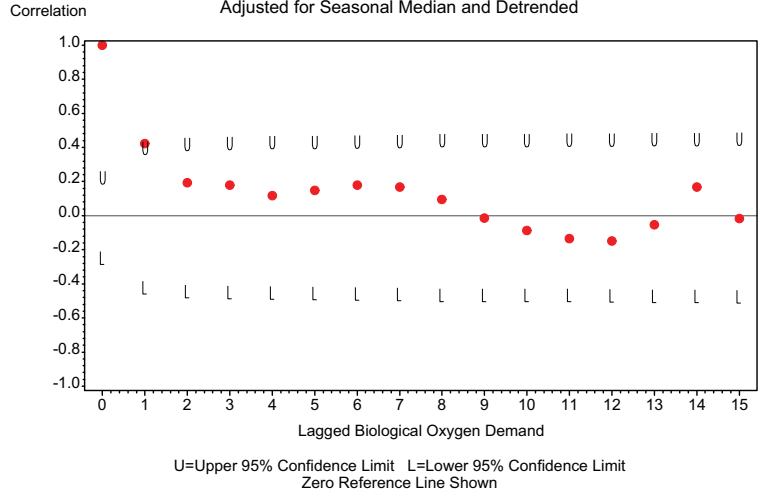
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



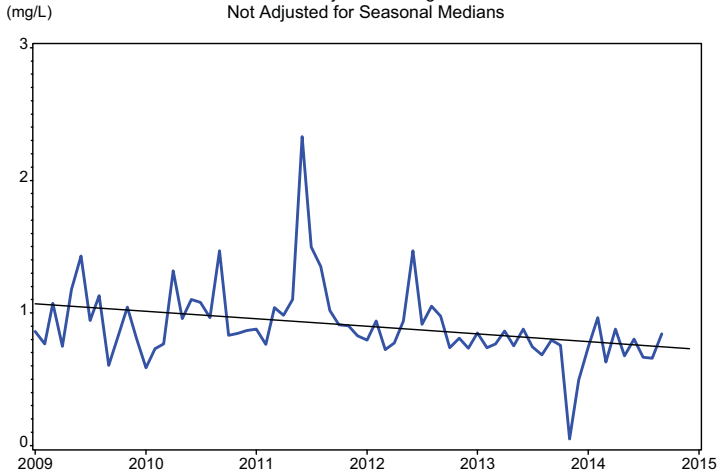
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.423	0.204	0.408	-0.408
2	0.194	0.216	0.432	-0.432
3	0.180	0.218	0.437	-0.437
4	0.118	0.220	0.441	-0.441
5	0.147	0.221	0.443	-0.443
6	0.180	0.223	0.445	-0.445
7	0.167	0.225	0.449	-0.449
8	0.096	0.226	0.453	-0.453
9	-0.014	0.227	0.454	-0.454
10	-0.087	0.227	0.454	-0.454
11	-0.136	0.227	0.455	-0.455
12	-0.148	0.228	0.457	-0.457
13	-0.054	0.230	0.460	-0.460
14	0.167	0.230	0.460	-0.460
15	-0.018	0.232	0.463	-0.463

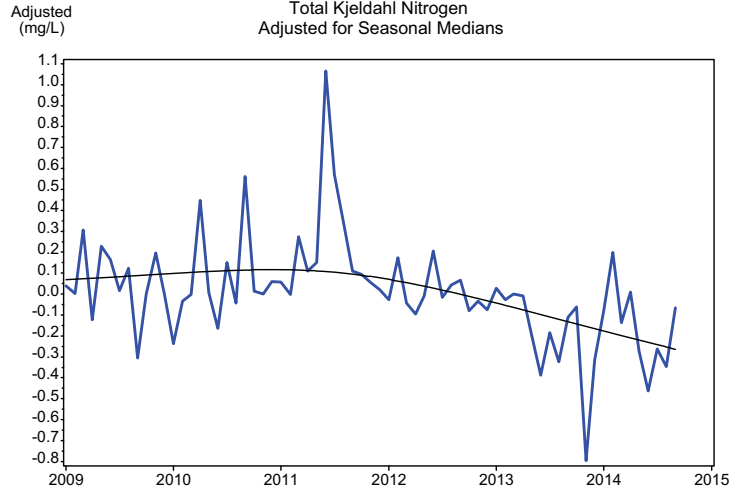
Haldeman Cr Upper Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



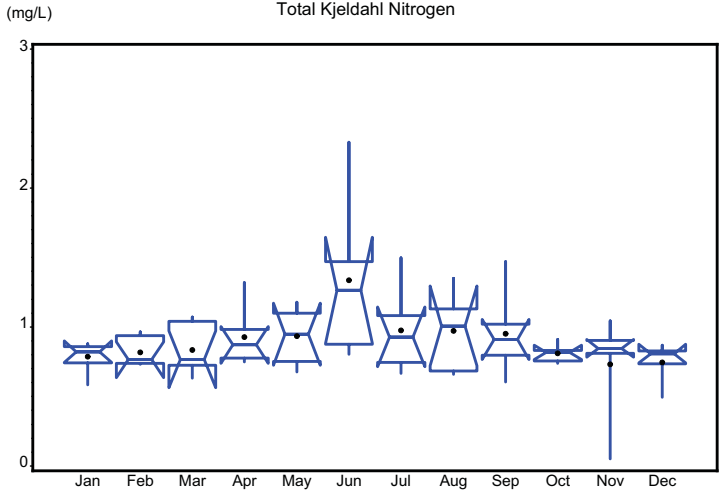
Haldeman Cr Upper Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians



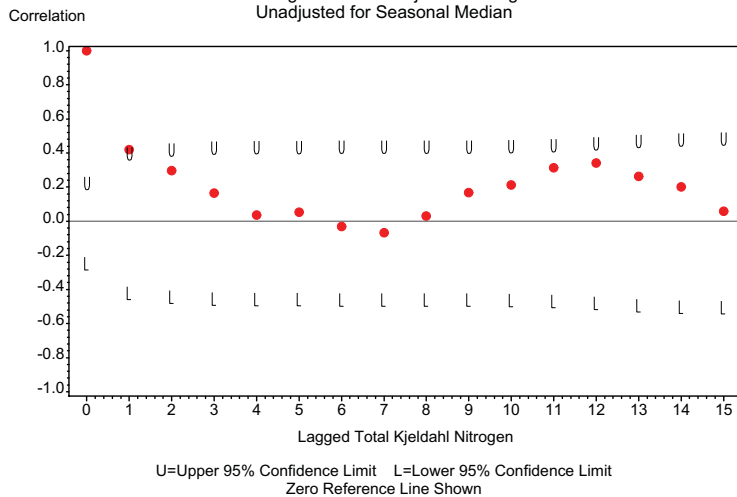
Haldeman Cr Upper Trends Appendix
 Seasonal Univariate Statistics
 Total Kjeldahl Nitrogen



Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.420	0.204	0.408	-0.408
2	0.297	0.216	0.432	-0.432
3	0.166	0.221	0.443	-0.443
4	0.037	0.223	0.446	-0.446
5	0.054	0.223	0.446	-0.446
6	-0.031	0.223	0.447	-0.447
7	-0.067	0.223	0.447	-0.447
8	0.029	0.224	0.448	-0.448
9	0.167	0.224	0.448	-0.448
10	0.213	0.226	0.451	-0.451
11	0.312	0.228	0.457	-0.457
12	0.340	0.234	0.468	-0.468
13	0.263	0.241	0.482	-0.482
14	0.200	0.245	0.490	-0.490
15	0.058	0.247	0.494	-0.494

Haldeman Cr Upper Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Median



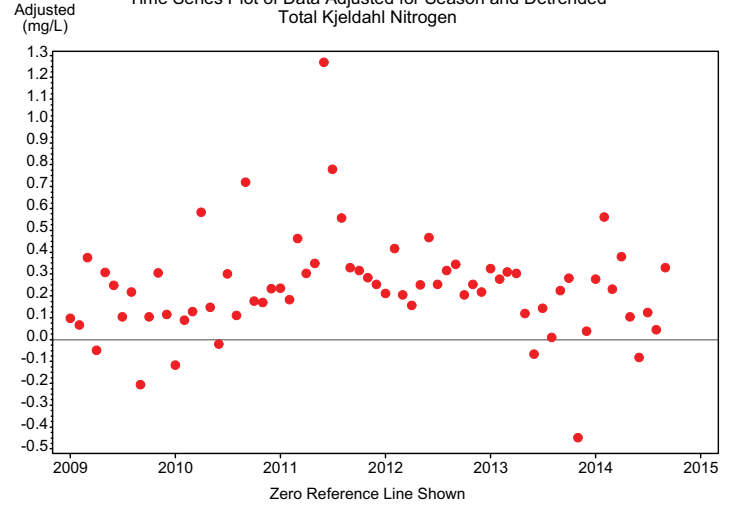
Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.382	0	0.075	-0.06

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.38182	.000385283	0.075209	-0.0595

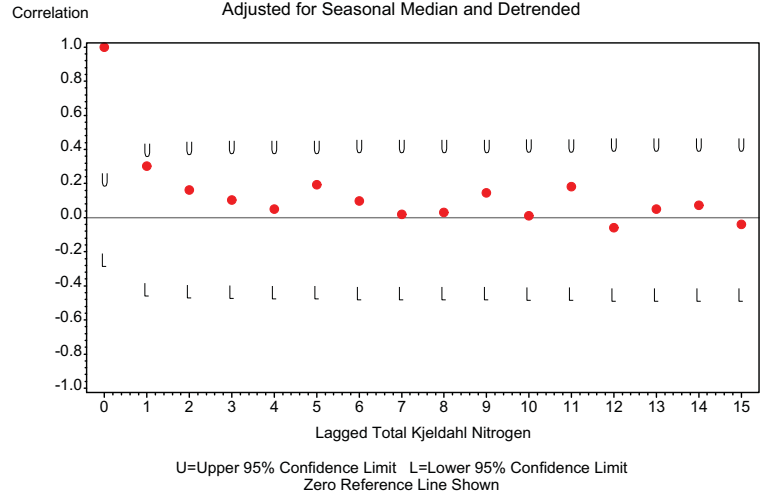
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



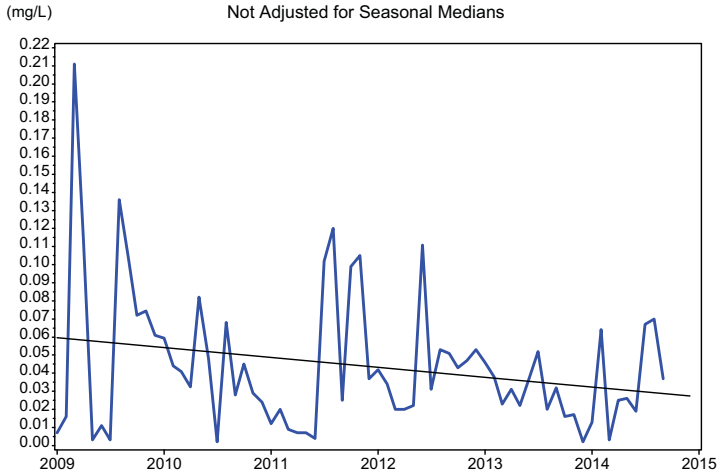
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.303	0.204	0.408	-0.408
2	0.161	0.210	0.421	-0.421
3	0.102	0.212	0.424	-0.424
4	0.051	0.213	0.425	-0.425
5	0.194	0.213	0.426	-0.426
6	0.097	0.215	0.431	-0.431
7	0.019	0.216	0.432	-0.432
8	0.031	0.216	0.432	-0.432
9	0.146	0.216	0.432	-0.432
10	0.012	0.217	0.435	-0.435
11	0.182	0.217	0.435	-0.435
12	-0.058	0.219	0.439	-0.439
13	0.051	0.220	0.439	-0.439
14	0.072	0.220	0.440	-0.440
15	-0.040	0.220	0.440	-0.440

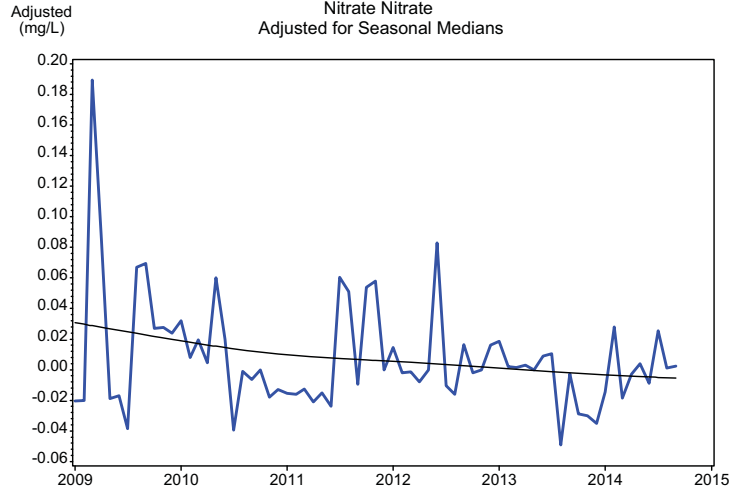
Haldeman Cr Upper Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



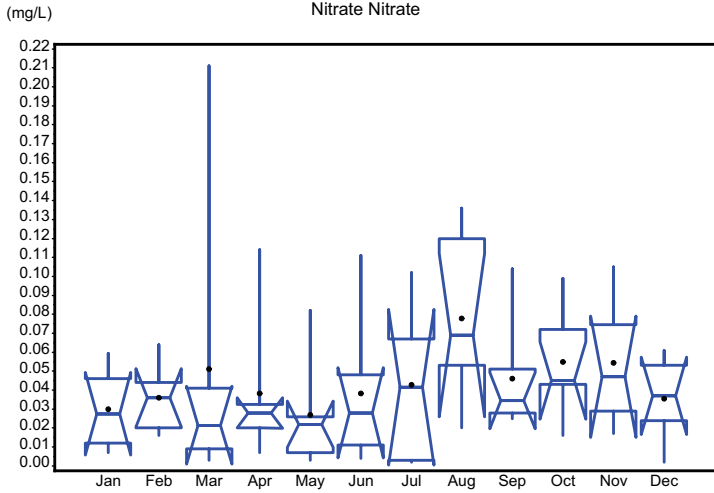
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



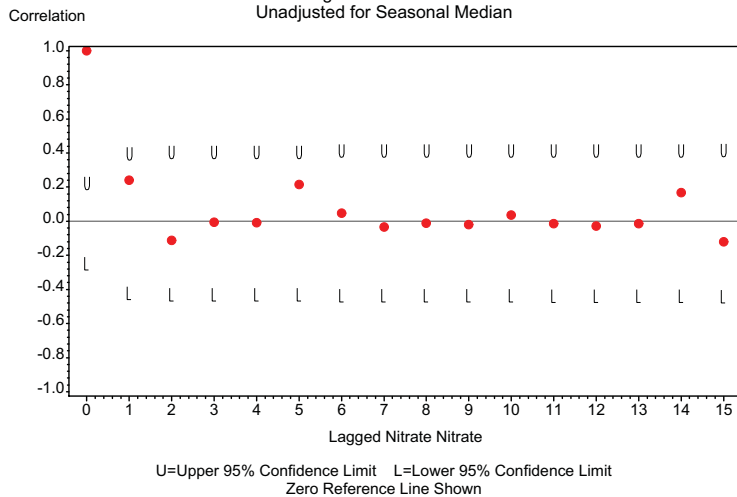
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.240	0.204	0.408	-0.408
2	-0.112	0.208	0.416	-0.416
3	-0.005	0.209	0.418	-0.418
4	-0.008	0.209	0.418	-0.418
5	0.216	0.209	0.418	-0.418
6	0.047	0.212	0.424	-0.424
7	-0.033	0.212	0.424	-0.424
8	-0.012	0.212	0.424	-0.424
9	-0.019	0.212	0.424	-0.424
10	0.037	0.212	0.424	-0.424
11	-0.015	0.212	0.425	-0.425
12	-0.029	0.212	0.425	-0.425
13	-0.015	0.212	0.425	-0.425
14	0.168	0.212	0.425	-0.425
15	-0.120	0.214	0.428	-0.428

Haldeman Cr Upper Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



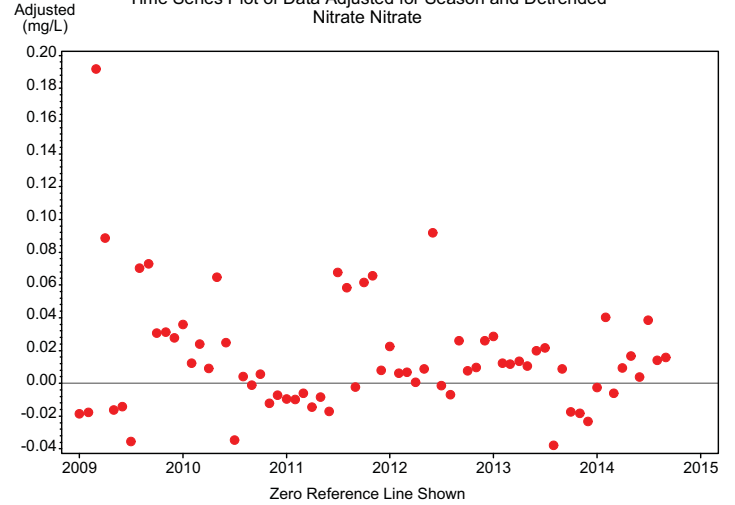
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.061	0.606	0.488	-0.002

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.060606	0.60573	0.48832	-.002

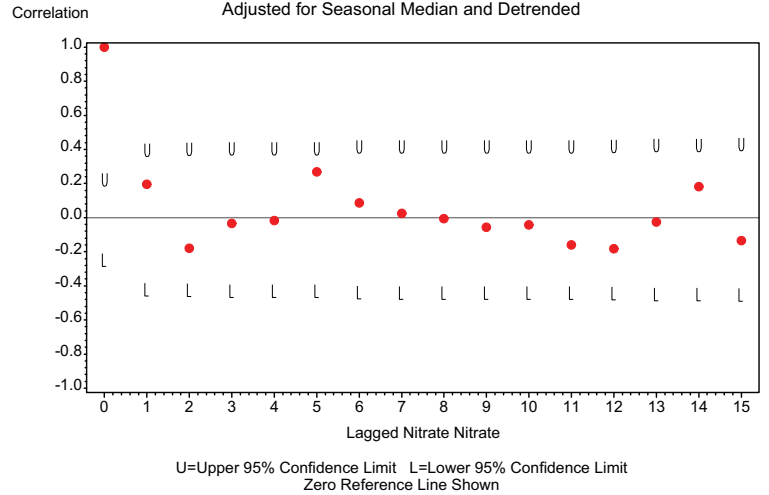
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



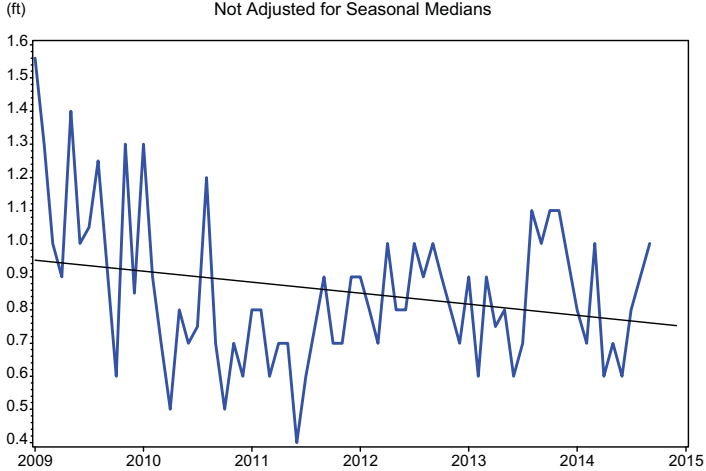
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.196	0.204	0.408	-0.408
2	-0.181	0.207	0.413	-0.413
3	-0.034	0.209	0.418	-0.418
4	-0.018	0.209	0.418	-0.418
5	0.268	0.209	0.418	-0.418
6	0.086	0.214	0.427	-0.427
7	0.024	0.214	0.428	-0.428
8	-0.007	0.214	0.428	-0.428
9	-0.057	0.214	0.428	-0.428
10	-0.042	0.214	0.429	-0.429
11	-0.159	0.215	0.429	-0.429
12	-0.183	0.216	0.432	-0.432
13	-0.025	0.218	0.437	-0.437
14	0.181	0.218	0.437	-0.437
15	-0.134	0.220	0.441	-0.441

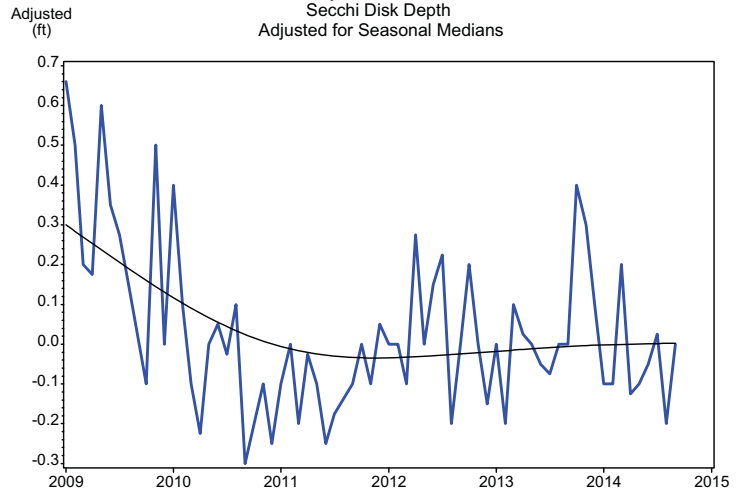
Haldeman Cr Upper Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



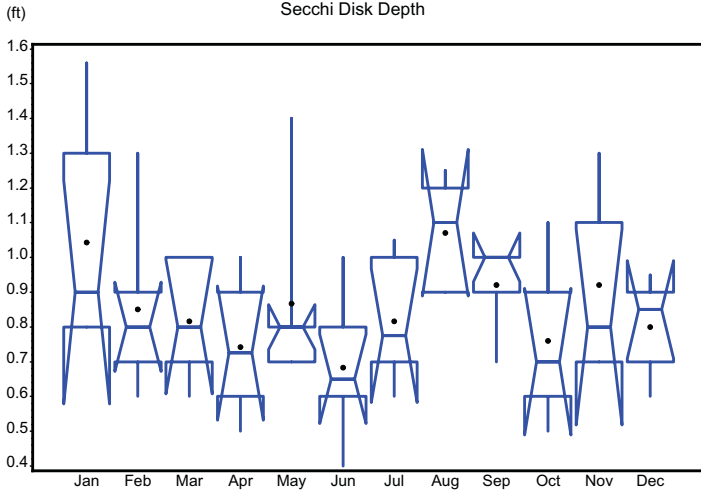
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



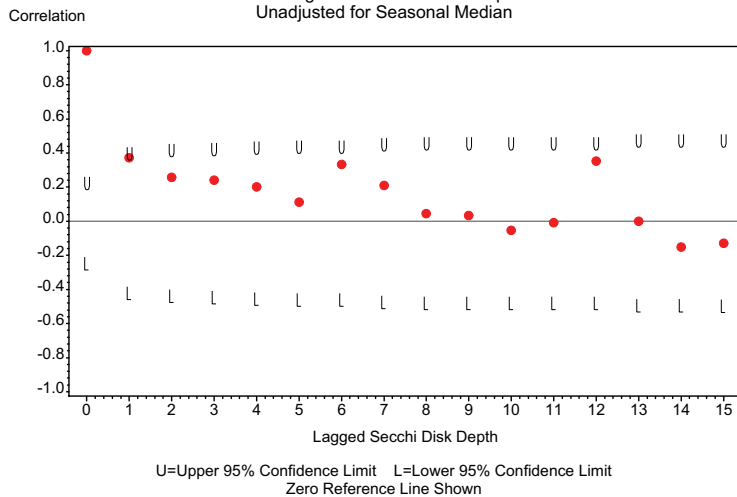
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.371	0.204	0.408	-0.408
2	0.258	0.213	0.427	-0.427
3	0.239	0.218	0.435	-0.435
4	0.200	0.221	0.442	-0.442
5	0.112	0.224	0.447	-0.447
6	0.334	0.224	0.449	-0.449
7	0.210	0.231	0.462	-0.462
8	0.043	0.234	0.468	-0.468
9	0.032	0.234	0.468	-0.468
10	-0.054	0.234	0.468	-0.468
11	-0.009	0.234	0.468	-0.468
12	0.351	0.234	0.468	-0.468
13	0.000	0.241	0.483	-0.483
14	-0.151	0.241	0.483	-0.483
15	-0.129	0.243	0.485	-0.485

Haldeman Cr Upper Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



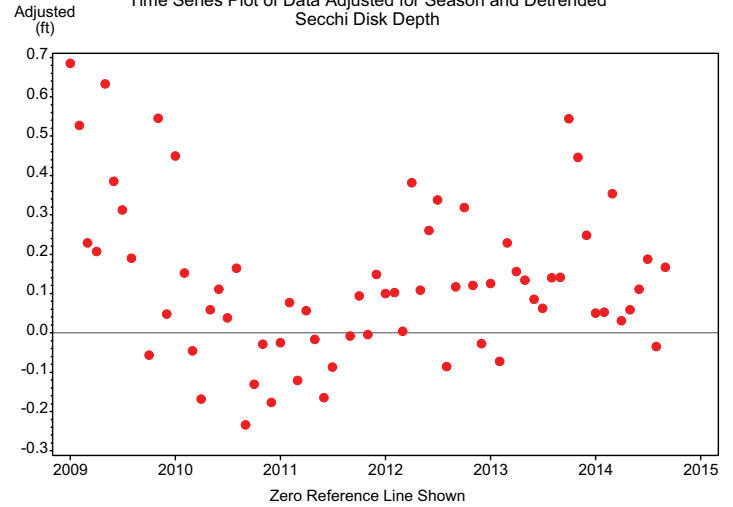
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.142	0.197	0.513	-0.025

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.14194	0.19733	0.51317	-0.025

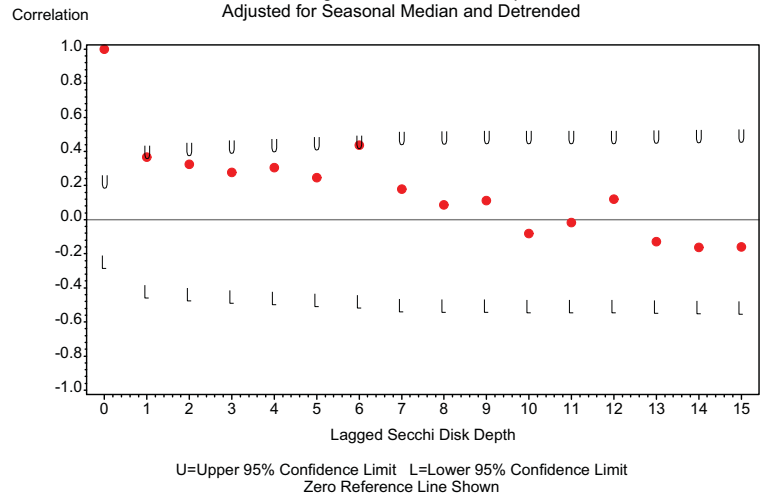
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



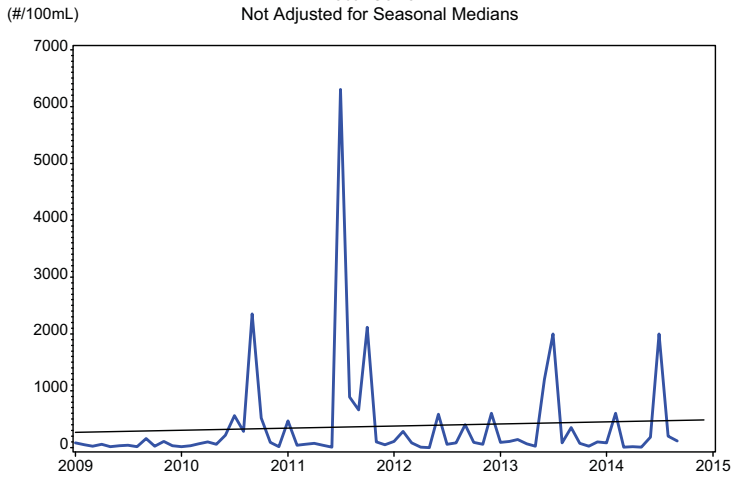
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.365	0.204	0.408	-0.408
2	0.323	0.213	0.426	-0.426
3	0.277	0.220	0.439	-0.439
4	0.305	0.225	0.449	-0.449
5	0.246	0.230	0.460	-0.460
6	0.436	0.234	0.468	-0.468
7	0.179	0.245	0.490	-0.490
8	0.085	0.247	0.493	-0.493
9	0.112	0.247	0.494	-0.494
10	-0.083	0.248	0.496	-0.496
11	-0.017	0.248	0.496	-0.496
12	0.120	0.248	0.496	-0.496
13	-0.129	0.249	0.498	-0.498
14	-0.162	0.250	0.500	-0.500
15	-0.160	0.251	0.503	-0.503

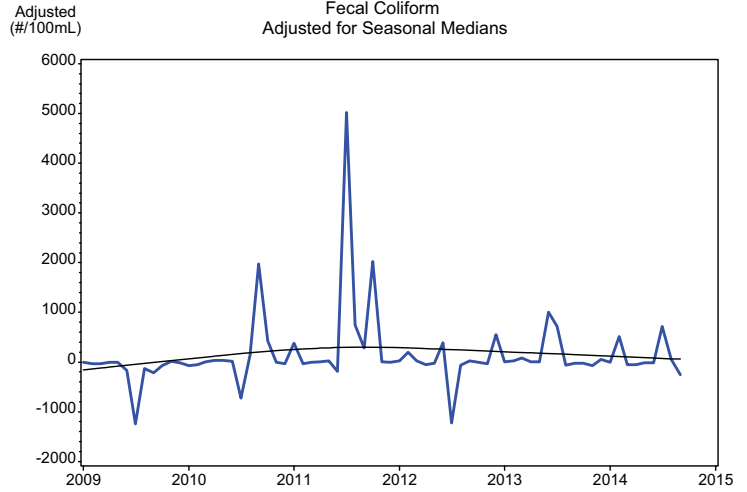
Haldeman Cr Upper Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



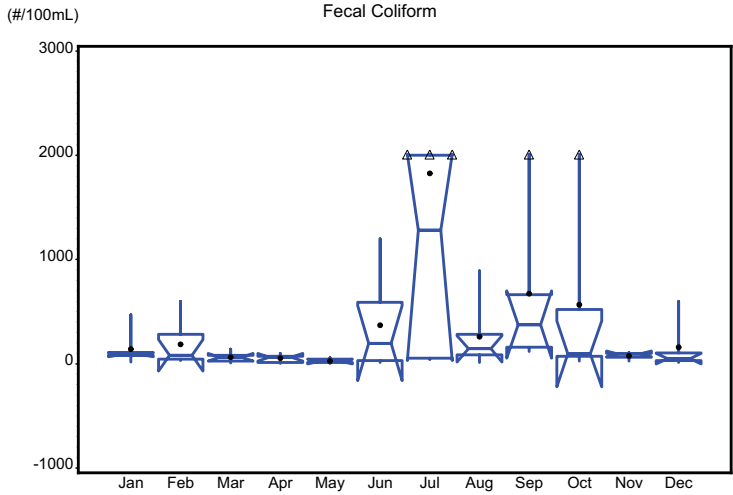
Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Haldeman Cr Upper Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



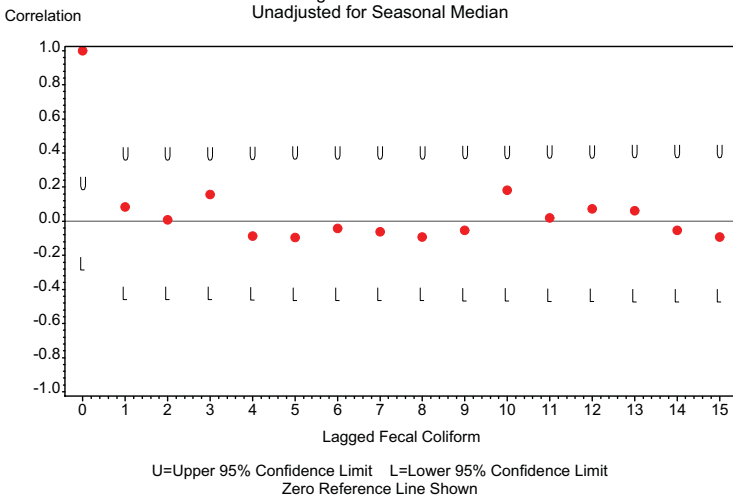
Haldeman Cr Upper Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Haldeman Cr Upper Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.083	0.204	0.408	-0.408
2	0.008	0.205	0.409	-0.409
3	0.157	0.205	0.409	-0.409
4	-0.086	0.206	0.412	-0.412
5	-0.096	0.207	0.414	-0.414
6	-0.043	0.207	0.415	-0.415
7	-0.061	0.207	0.415	-0.415
8	-0.093	0.208	0.415	-0.415
9	-0.053	0.208	0.417	-0.417
10	0.181	0.209	0.417	-0.417
11	0.018	0.211	0.421	-0.421
12	0.071	0.211	0.421	-0.421
13	0.060	0.211	0.422	-0.422
14	-0.055	0.211	0.423	-0.423
15	-0.094	0.211	0.423	-0.423

Haldeman Cr Upper Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



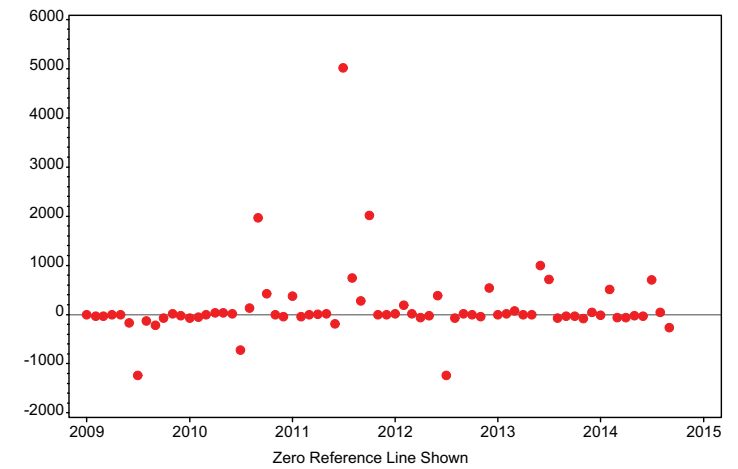
Haldeman Cr Upper Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036	0.774	0.831	2

Haldeman Cr Upper Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036364	0.77429	0.83066	2

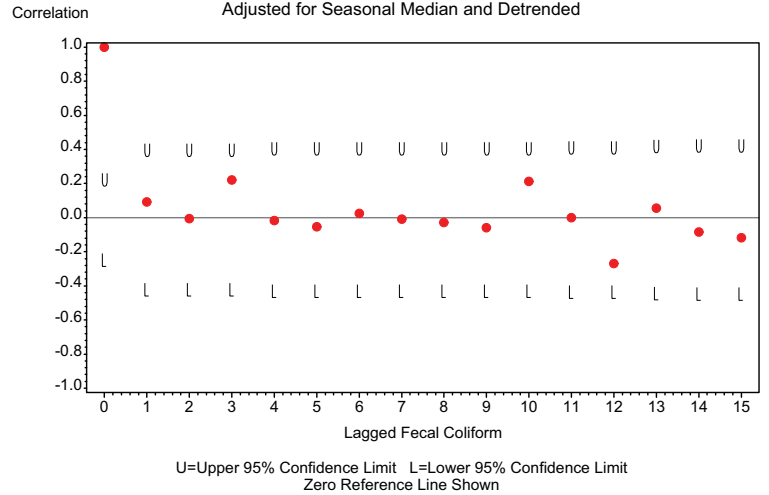
Haldeman Cr Upper Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



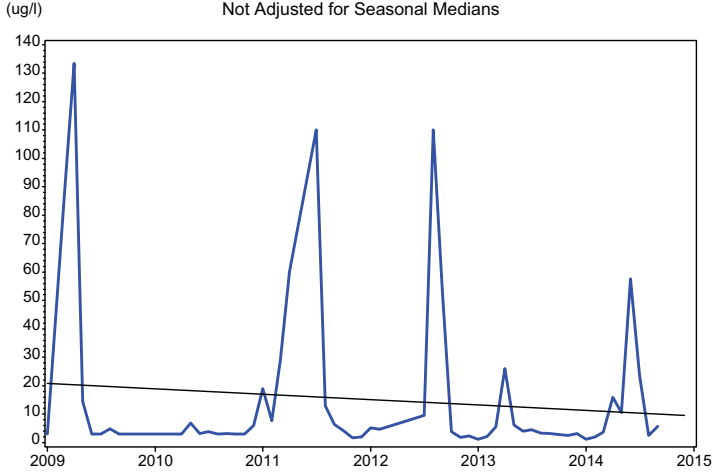
Haldeman Cr Upper Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.091	0.204	0.408	-0.408
2	-0.005	0.205	0.409	-0.409
3	0.222	0.205	0.409	-0.409
4	-0.018	0.208	0.416	-0.416
5	-0.055	0.208	0.416	-0.416
6	0.026	0.208	0.416	-0.416
7	-0.008	0.208	0.417	-0.417
8	-0.028	0.208	0.417	-0.417
9	-0.060	0.208	0.417	-0.417
10	0.212	0.209	0.417	-0.417
11	0.000	0.212	0.423	-0.423
12	-0.268	0.212	0.423	-0.423
13	0.056	0.216	0.432	-0.432
14	-0.085	0.216	0.433	-0.433
15	-0.119	0.217	0.434	-0.434

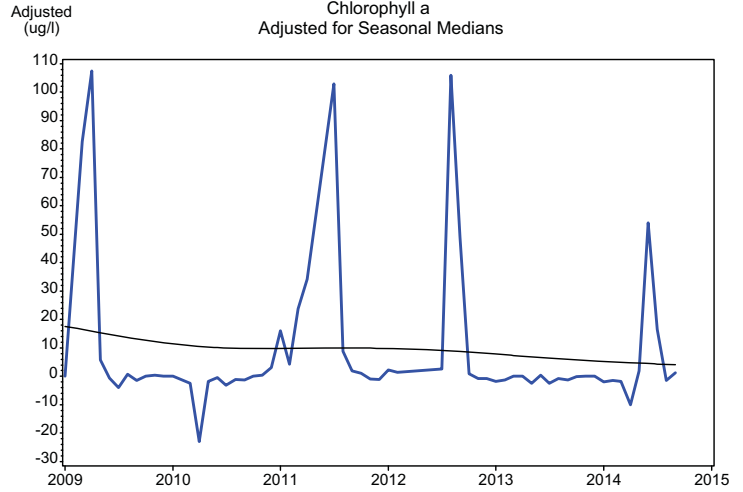
Haldeman Cr Upper Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



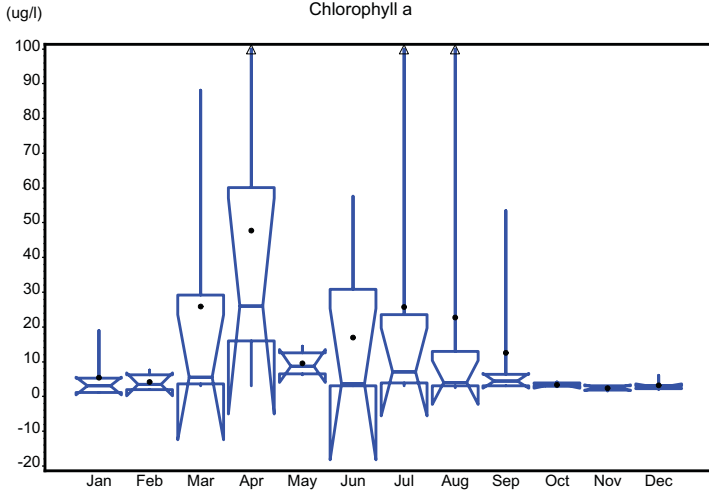
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



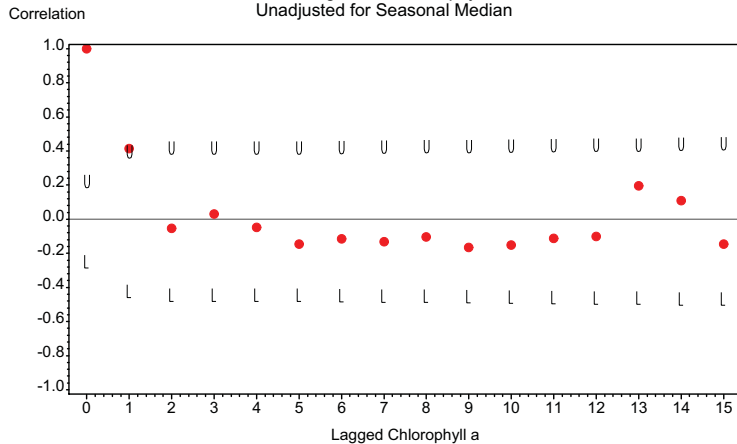
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.414	0.204	0.408	-0.408
2	-0.055	0.215	0.431	-0.431
3	0.029	0.216	0.431	-0.431
4	-0.048	0.216	0.431	-0.431
5	-0.147	0.216	0.432	-0.432
6	-0.114	0.217	0.435	-0.435
7	-0.133	0.218	0.436	-0.436
8	-0.104	0.219	0.438	-0.438
9	-0.167	0.220	0.440	-0.440
10	-0.152	0.222	0.443	-0.443
11	-0.113	0.223	0.446	-0.446
12	-0.102	0.224	0.448	-0.448
13	0.195	0.225	0.449	-0.449
14	0.108	0.227	0.454	-0.454
15	-0.147	0.228	0.455	-0.455

Okaloacoochee Slough Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

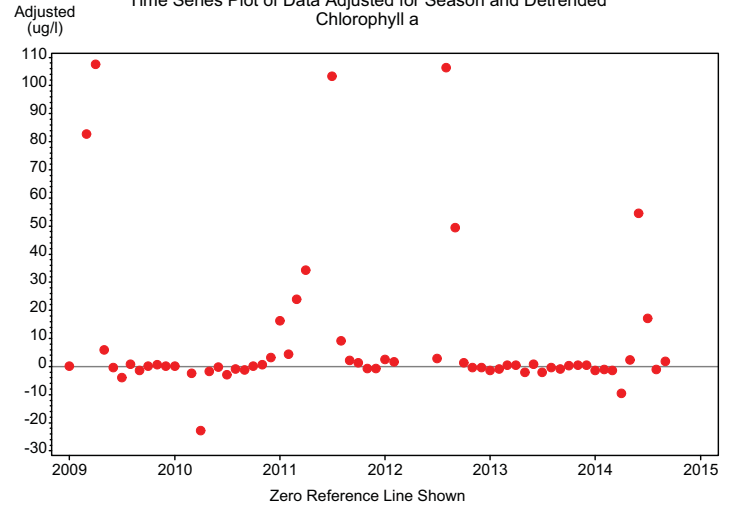
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.07	0.589	0.674	-0.081

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.070313	0.58936	0.67428	-0.08125

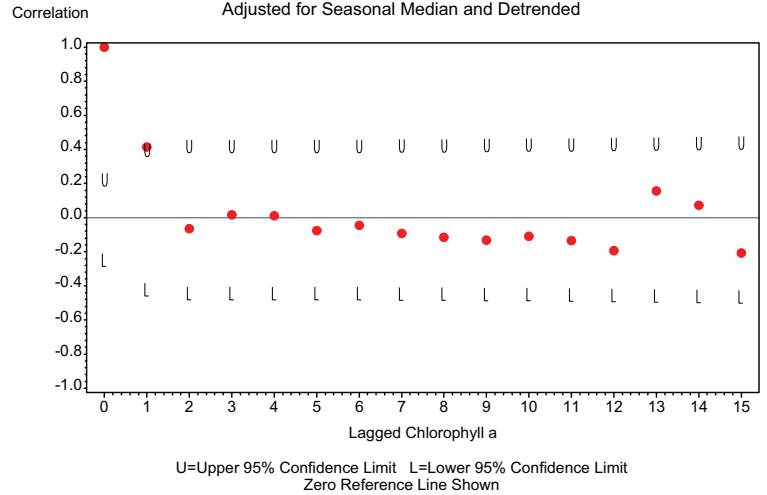
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



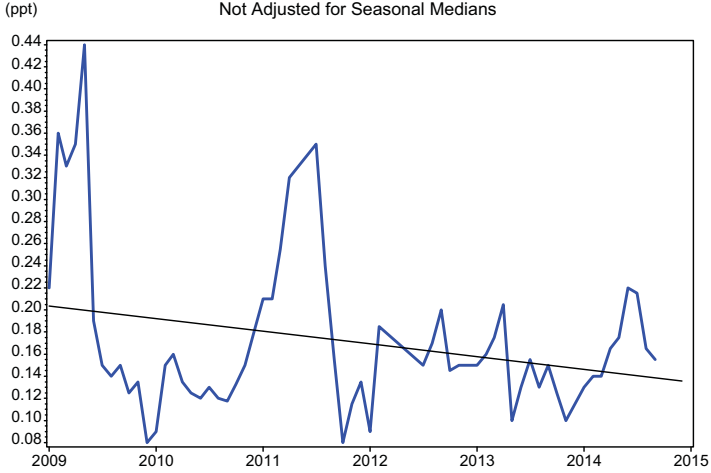
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.415	0.204	0.408	-0.408
2	-0.066	0.216	0.431	-0.431
3	0.015	0.216	0.432	-0.432
4	0.010	0.216	0.432	-0.432
5	-0.077	0.216	0.432	-0.432
6	-0.046	0.216	0.432	-0.432
7	-0.092	0.216	0.433	-0.433
8	-0.116	0.217	0.434	-0.434
9	-0.133	0.218	0.436	-0.436
10	-0.109	0.219	0.438	-0.438
11	-0.136	0.220	0.439	-0.439
12	-0.194	0.221	0.442	-0.442
13	0.156	0.223	0.446	-0.446
14	0.073	0.225	0.449	-0.449
15	-0.207	0.225	0.450	-0.450

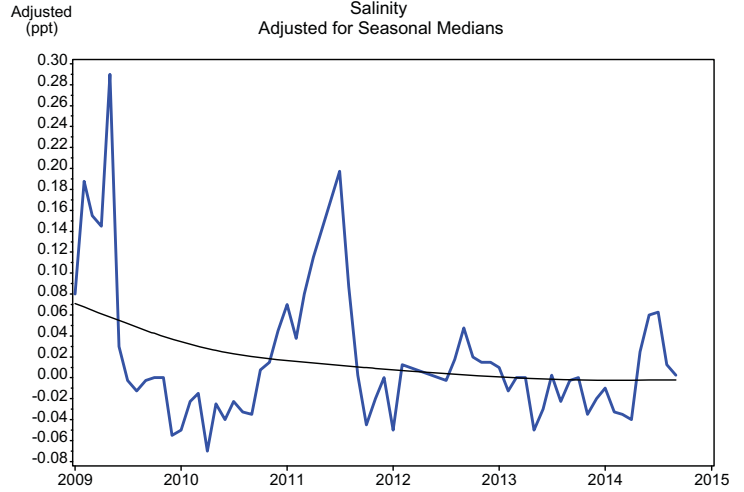
Okaloacoochee Slough Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



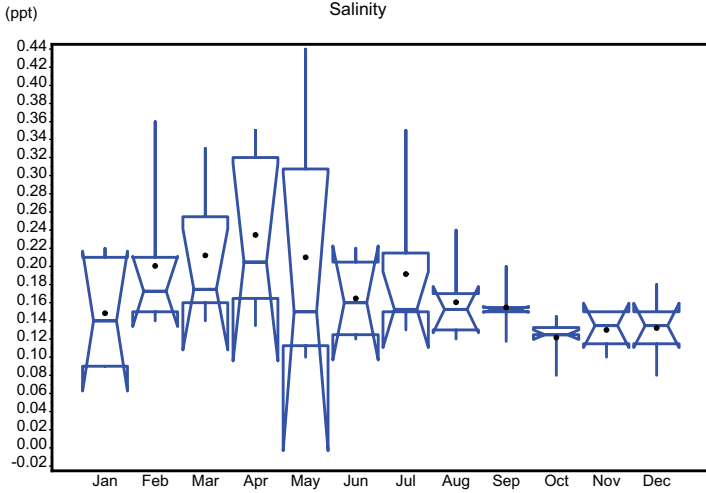
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



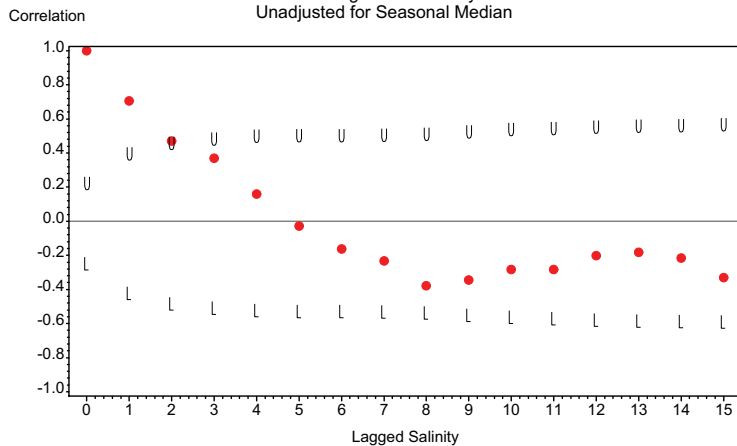
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Salinity



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.706	0.204	0.408	-0.408
2	0.470	0.236	0.471	-0.471
3	0.369	0.248	0.496	-0.496
4	0.158	0.256	0.511	-0.511
5	-0.028	0.257	0.514	-0.514
6	-0.164	0.257	0.514	-0.514
7	-0.234	0.259	0.517	-0.517
8	-0.378	0.262	0.523	-0.523
9	-0.345	0.269	0.538	-0.538
10	-0.282	0.275	0.550	-0.550
11	-0.282	0.279	0.558	-0.558
12	-0.203	0.283	0.566	-0.566
13	-0.182	0.285	0.570	-0.570
14	-0.217	0.287	0.573	-0.573
15	-0.330	0.289	0.578	-0.578

Okaloacoochee Slough Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

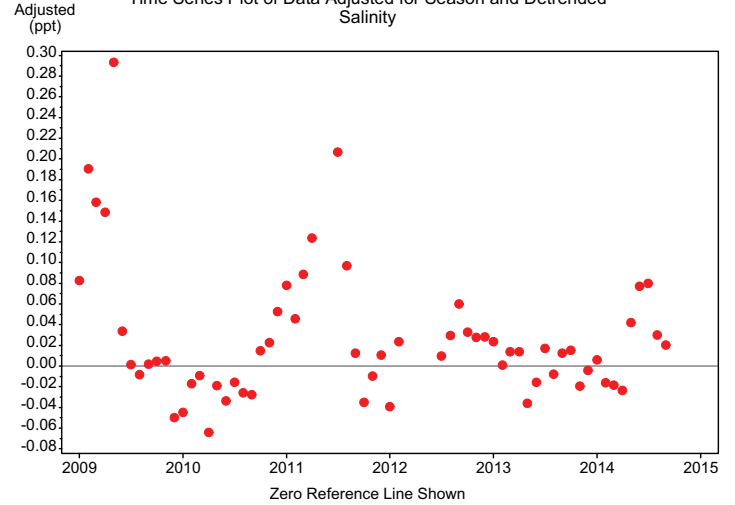
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.095	0.435	0.601	-0.003

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.094891	0.43505	0.60093	-.00266667

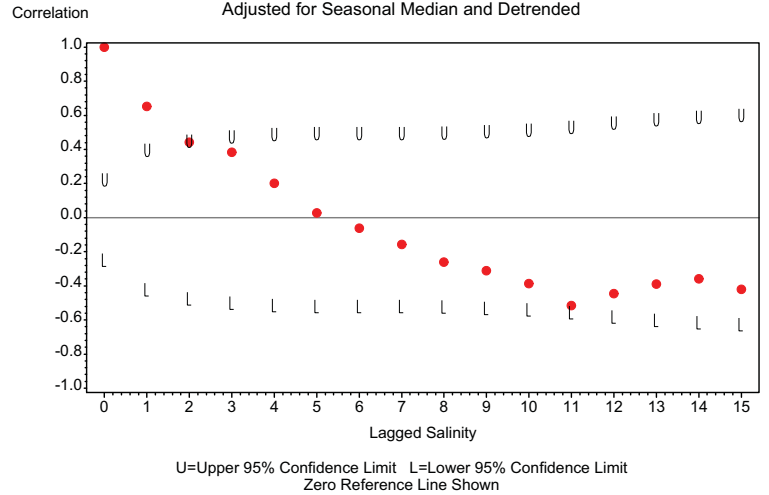
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



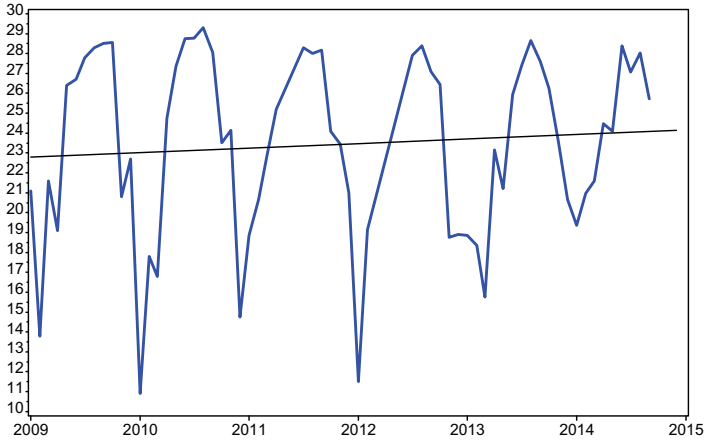
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.653	0.204	0.408	-0.408
2	0.443	0.231	0.463	-0.463
3	0.382	0.243	0.486	-0.486
4	0.200	0.251	0.502	-0.502
5	0.027	0.253	0.506	-0.506
6	-0.061	0.253	0.507	-0.507
7	-0.156	0.253	0.507	-0.507
8	-0.260	0.255	0.510	-0.510
9	-0.310	0.258	0.517	-0.517
10	-0.386	0.264	0.527	-0.527
11	-0.515	0.271	0.543	-0.543
12	-0.445	0.285	0.569	-0.569
13	-0.391	0.294	0.588	-0.588
14	-0.359	0.301	0.602	-0.602
15	-0.420	0.307	0.614	-0.614

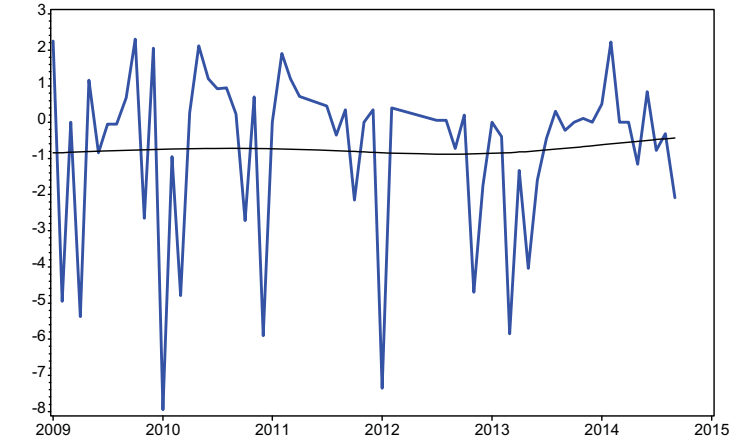
Okaloacoochee Slough Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



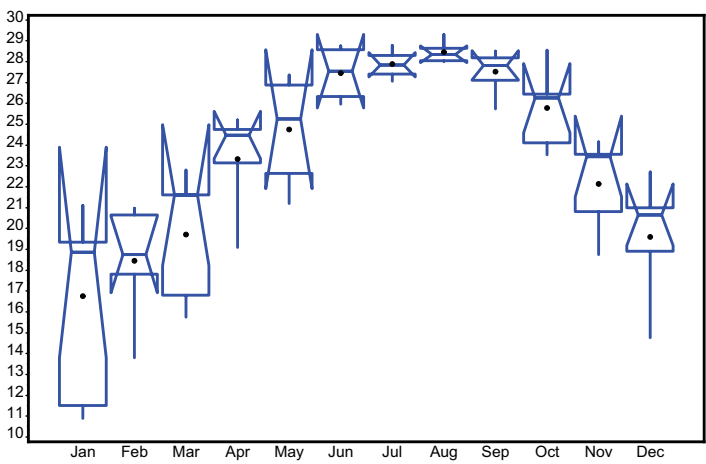
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



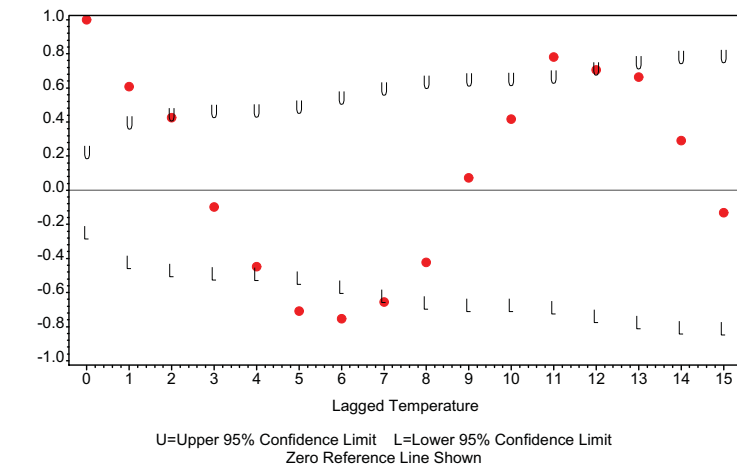
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Temperature



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.607	0.204	0.408	-0.408
2	0.424	0.228	0.456	-0.456
3	-0.098	0.239	0.477	-0.477
4	-0.448	0.239	0.478	-0.478
5	-0.710	0.251	0.501	-0.501
6	-0.753	0.277	0.554	-0.554
7	-0.655	0.304	0.608	-0.608
8	-0.423	0.323	0.646	-0.646
9	0.072	0.331	0.661	-0.661
10	0.417	0.331	0.662	-0.662
11	0.780	0.338	0.676	-0.676
12	0.706	0.362	0.725	-0.725
13	0.663	0.381	0.762	-0.762
14	0.290	0.397	0.793	-0.793
15	-0.131	0.400	0.799	-0.799

Okaloacoochee Slough Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



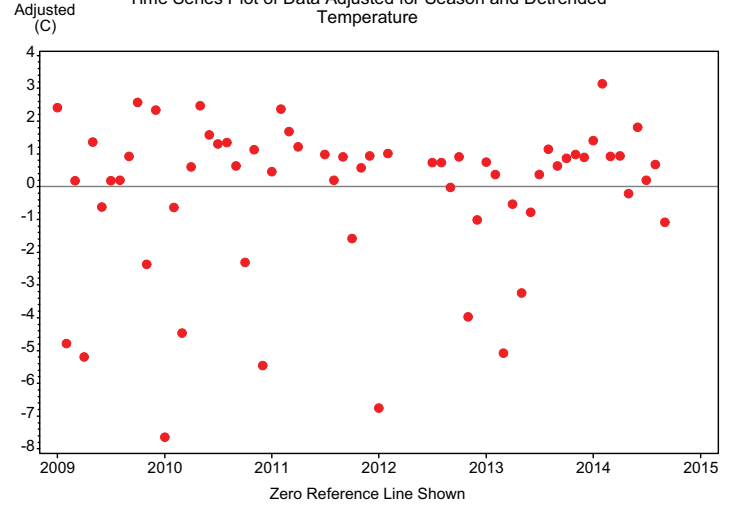
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.095	0.439	0.363	-0.15

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.094891	0.43890	0.36343	-0.15

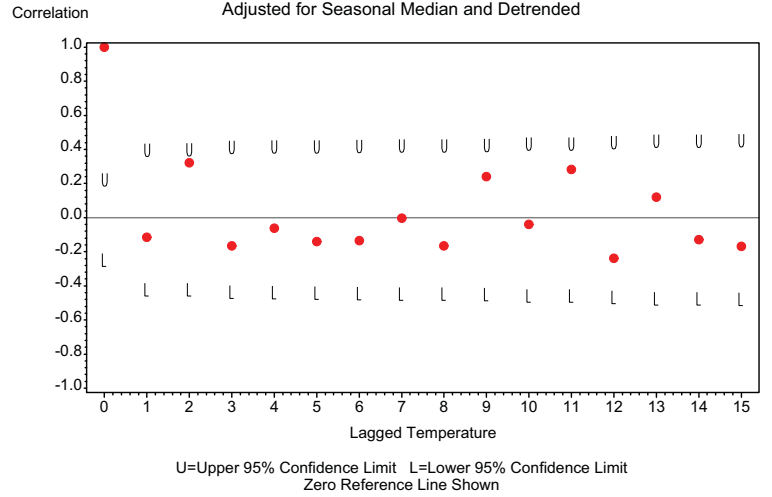
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



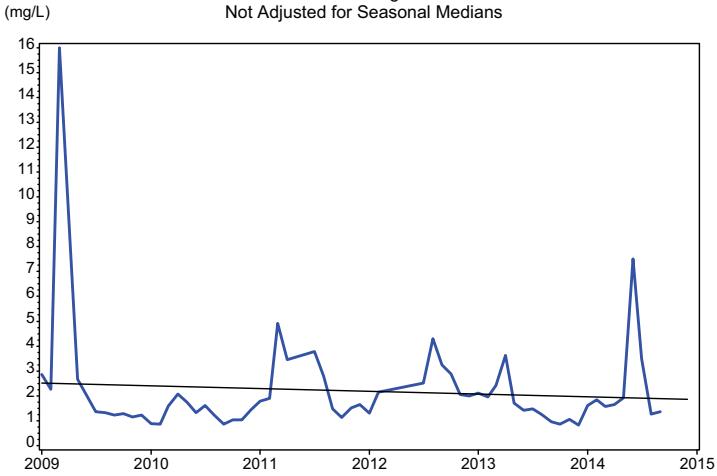
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.116	0.204	0.408	-0.408
2	0.321	0.205	0.410	-0.410
3	-0.165	0.212	0.424	-0.424
4	-0.063	0.214	0.427	-0.427
5	-0.140	0.214	0.428	-0.428
6	-0.134	0.215	0.430	-0.430
7	-0.003	0.216	0.433	-0.433
8	-0.167	0.216	0.433	-0.433
9	0.241	0.218	0.436	-0.436
10	-0.039	0.222	0.444	-0.444
11	0.283	0.222	0.444	-0.444
12	-0.238	0.227	0.454	-0.454
13	0.120	0.230	0.461	-0.461
14	-0.128	0.231	0.462	-0.462
15	-0.168	0.232	0.464	-0.464

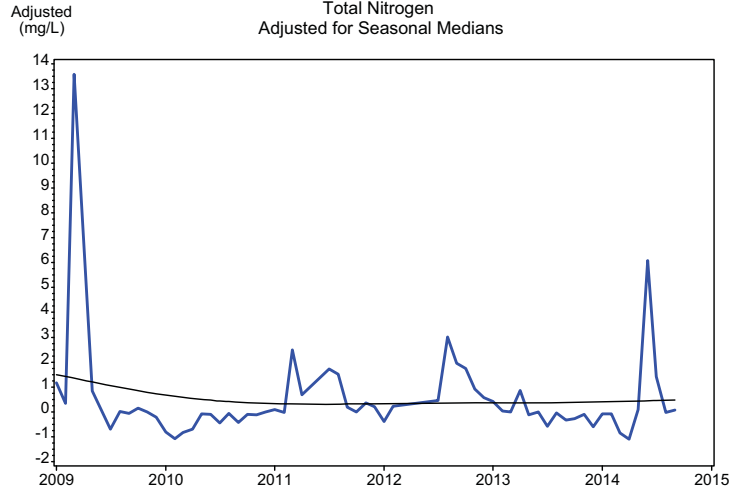
Okaloacoochee Slough Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



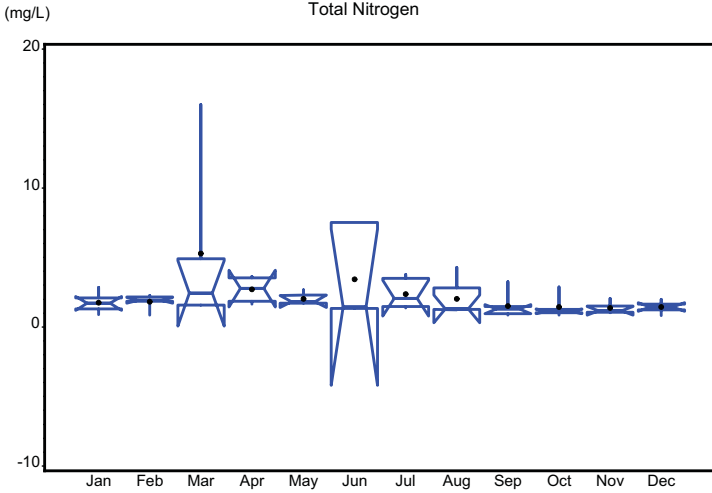
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



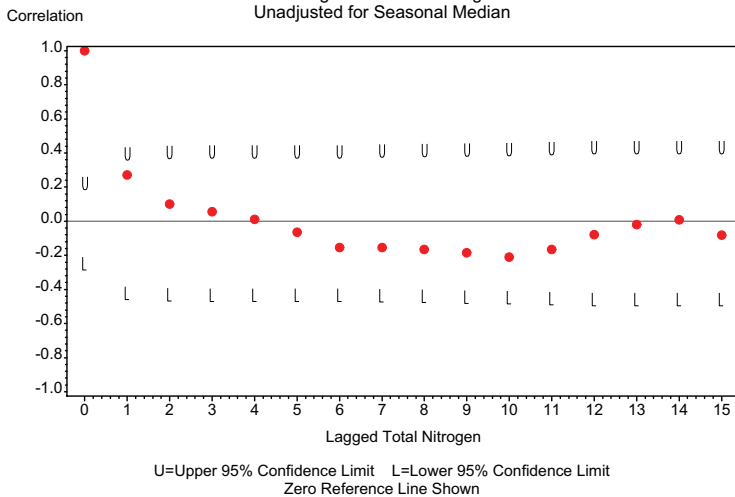
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.272	0.204	0.408	-0.408
2	0.101	0.209	0.418	-0.418
3	0.056	0.210	0.420	-0.420
4	0.011	0.210	0.420	-0.420
5	-0.065	0.210	0.420	-0.420
6	-0.154	0.210	0.421	-0.421
7	-0.154	0.212	0.424	-0.424
8	-0.166	0.213	0.427	-0.427
9	-0.184	0.215	0.430	-0.430
10	-0.210	0.217	0.435	-0.435
11	-0.165	0.220	0.440	-0.440
12	-0.079	0.222	0.444	-0.444
13	-0.021	0.222	0.444	-0.444
14	0.008	0.222	0.445	-0.445
15	-0.082	0.222	0.445	-0.445

Okaloacoochee Slough Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



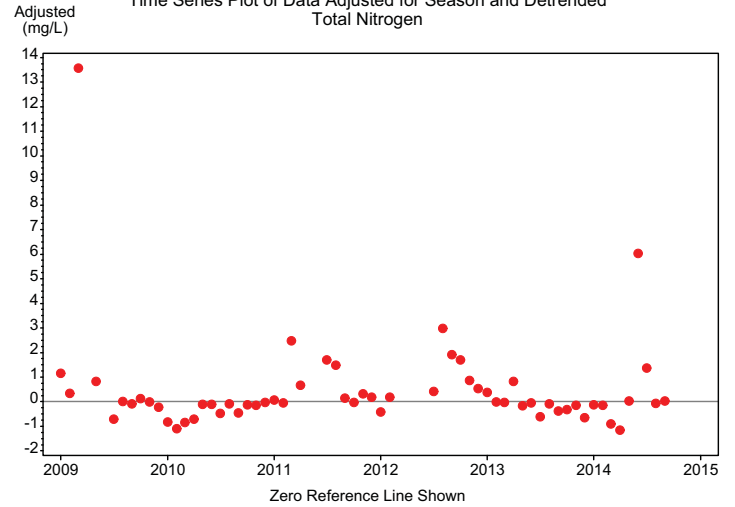
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.015	0.947	0.974	.007

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.015385	0.94735	0.97382	.00733333

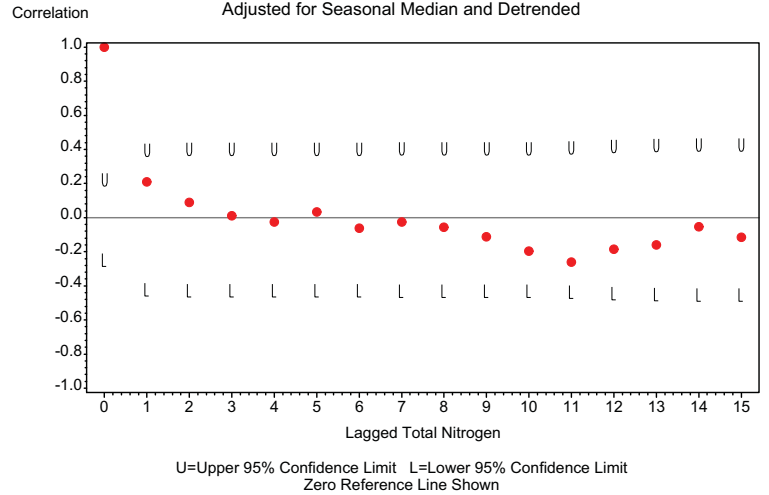
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



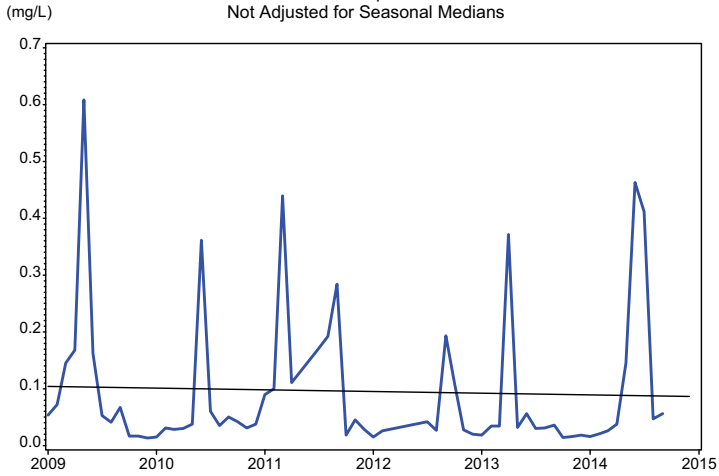
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.210	0.204	0.408	-0.408
2	0.089	0.207	0.414	-0.414
3	0.012	0.208	0.415	-0.415
4	-0.026	0.208	0.415	-0.415
5	0.033	0.208	0.415	-0.415
6	-0.061	0.208	0.415	-0.415
7	-0.027	0.208	0.416	-0.416
8	-0.057	0.208	0.416	-0.416
9	-0.113	0.208	0.417	-0.417
10	-0.196	0.209	0.418	-0.418
11	-0.261	0.212	0.423	-0.423
12	-0.185	0.216	0.432	-0.432
13	-0.161	0.218	0.436	-0.436
14	-0.055	0.220	0.440	-0.440
15	-0.115	0.220	0.440	-0.440

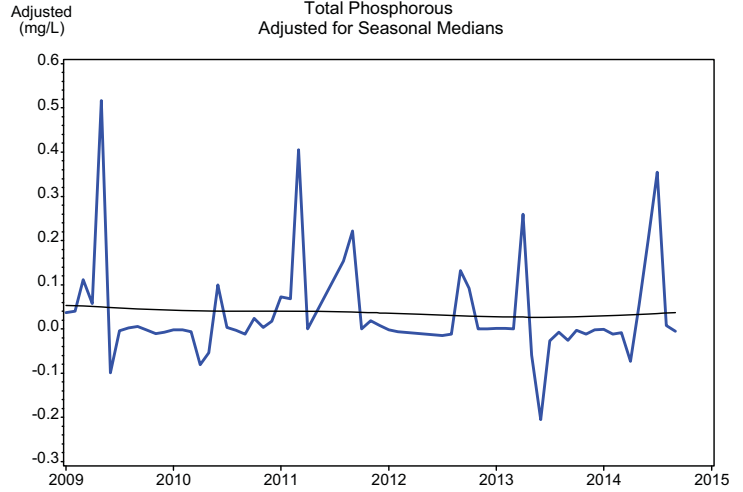
Okaloacoochee Slough Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



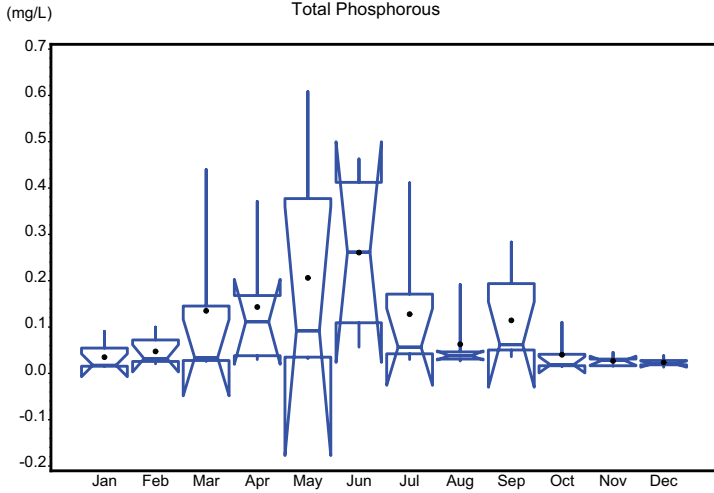
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



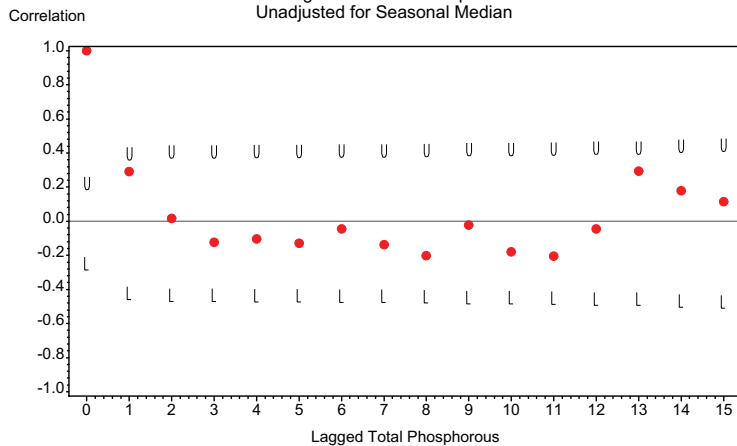
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.290	0.204	0.408	-0.408
2	0.017	0.210	0.420	-0.420
3	-0.125	0.210	0.420	-0.420
4	-0.105	0.211	0.422	-0.422
5	-0.128	0.212	0.423	-0.423
6	-0.046	0.213	0.425	-0.425
7	-0.138	0.213	0.425	-0.425
8	-0.201	0.214	0.428	-0.428
9	-0.024	0.217	0.433	-0.433
10	-0.181	0.217	0.433	-0.433
11	-0.205	0.219	0.437	-0.437
12	-0.044	0.221	0.443	-0.443
13	0.294	0.221	0.443	-0.443
14	0.179	0.227	0.454	-0.454
15	0.115	0.229	0.458	-0.458

Okaloacoochee Slough Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

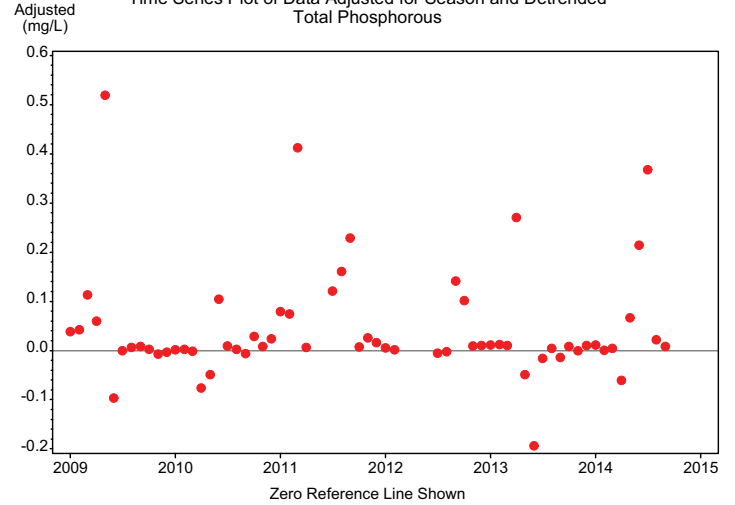
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.146	0.221	0.473	-0.003

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.14599	0.22131	0.47289	-.002

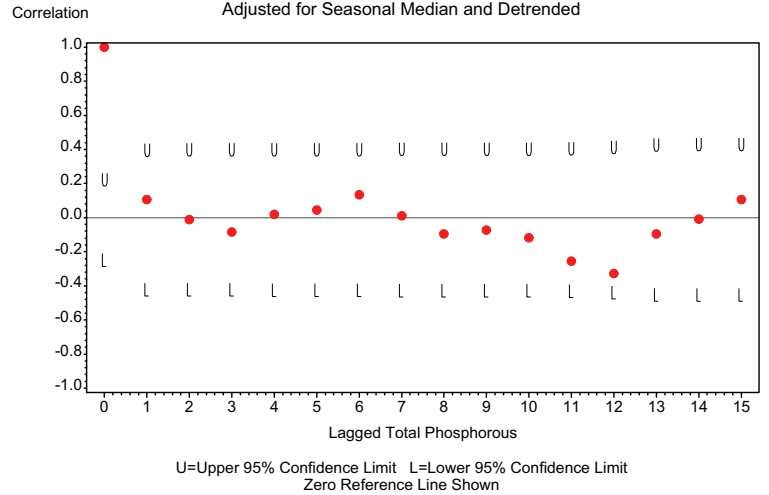
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



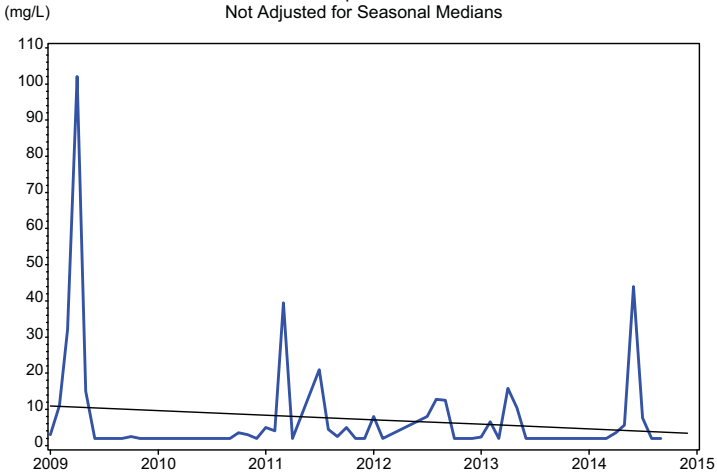
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.106	0.204	0.408	-0.408
2	-0.011	0.205	0.410	-0.410
3	-0.085	0.205	0.410	-0.410
4	0.018	0.205	0.411	-0.411
5	0.044	0.205	0.411	-0.411
6	0.135	0.206	0.411	-0.411
7	0.011	0.207	0.414	-0.414
8	-0.096	0.207	0.414	-0.414
9	-0.072	0.207	0.415	-0.415
10	-0.119	0.208	0.415	-0.415
11	-0.255	0.209	0.417	-0.417
12	-0.327	0.213	0.426	-0.426
13	-0.097	0.220	0.440	-0.440
14	-0.009	0.220	0.441	-0.441
15	0.107	0.220	0.441	-0.441

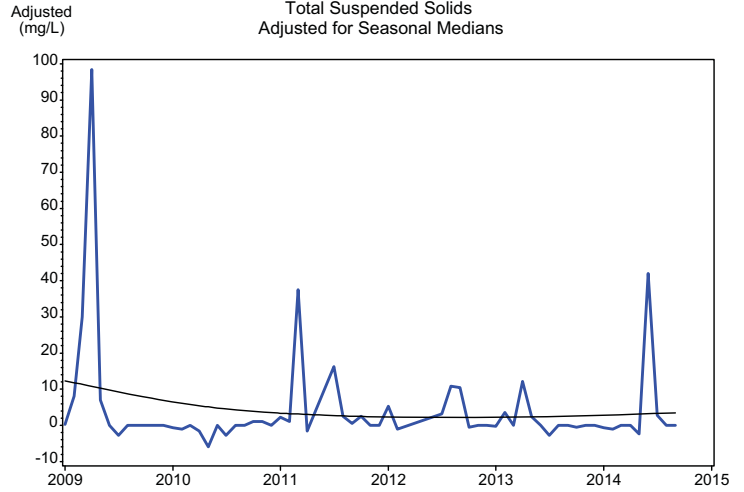
Okaloacoochee Slough Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



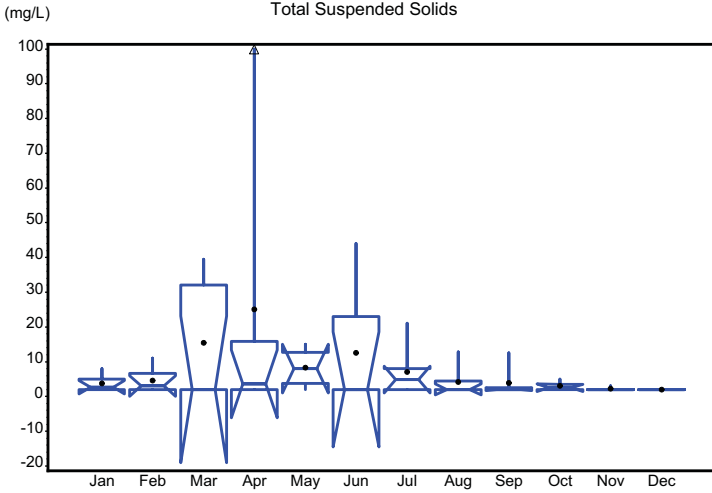
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



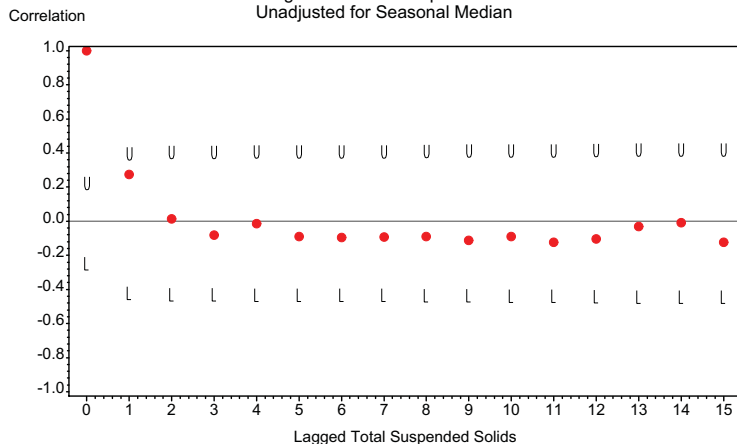
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.273	0.204	0.408	-0.408
2	0.014	0.209	0.418	-0.418
3	-0.082	0.209	0.418	-0.418
4	-0.014	0.210	0.419	-0.419
5	-0.089	0.210	0.419	-0.419
6	-0.095	0.210	0.420	-0.420
7	-0.093	0.211	0.421	-0.421
8	-0.089	0.211	0.423	-0.423
9	-0.113	0.212	0.424	-0.424
10	-0.089	0.213	0.425	-0.425
11	-0.124	0.213	0.426	-0.426
12	-0.103	0.214	0.428	-0.428
13	-0.030	0.215	0.430	-0.430
14	-0.008	0.215	0.430	-0.430
15	-0.124	0.215	0.430	-0.430

Okaloacoochee Slough Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

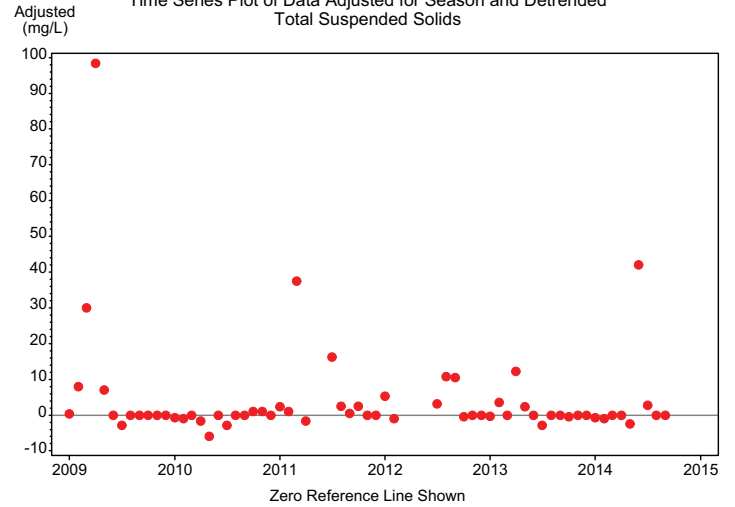
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.073	0.505	0.652	0

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.072993	0.50469	0.65162	0

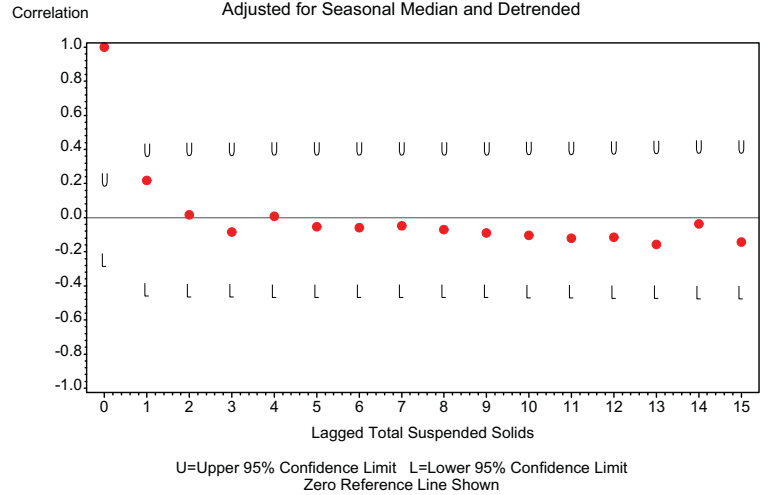
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



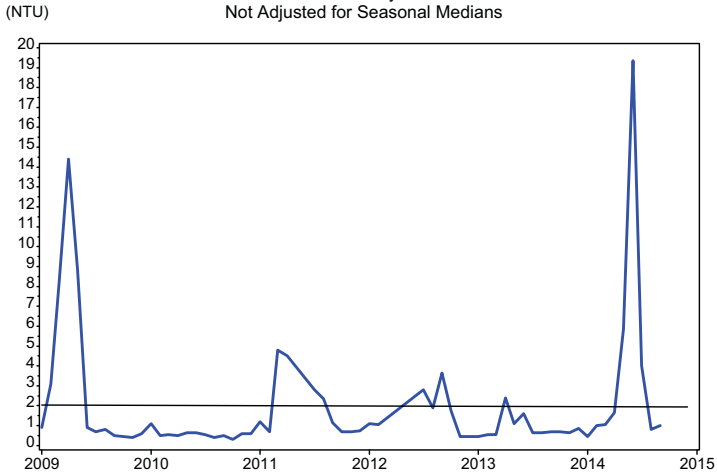
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.219	0.204	0.408	-0.408
2	0.016	0.207	0.415	-0.415
3	-0.085	0.207	0.415	-0.415
4	0.007	0.208	0.416	-0.416
5	-0.053	0.208	0.416	-0.416
6	-0.060	0.208	0.416	-0.416
7	-0.048	0.208	0.417	-0.417
8	-0.071	0.208	0.417	-0.417
9	-0.090	0.209	0.418	-0.418
10	-0.103	0.209	0.419	-0.419
11	-0.122	0.210	0.420	-0.420
12	-0.116	0.211	0.422	-0.422
13	-0.157	0.212	0.424	-0.424
14	-0.037	0.213	0.427	-0.427
15	-0.142	0.214	0.427	-0.427

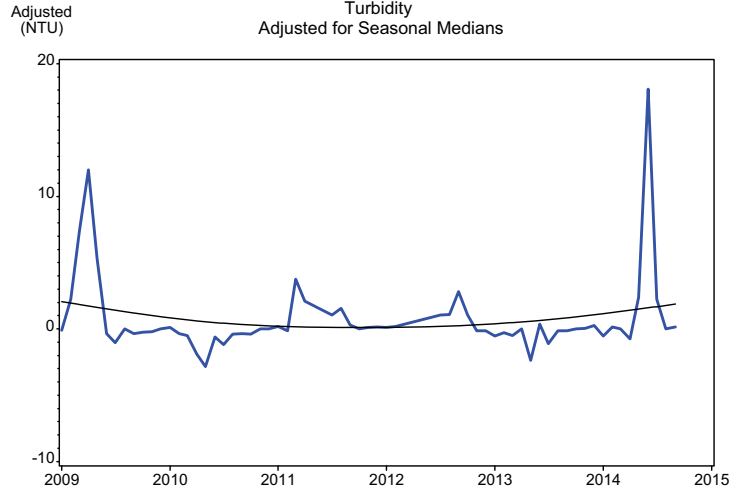
Okaloacoochee Slough Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



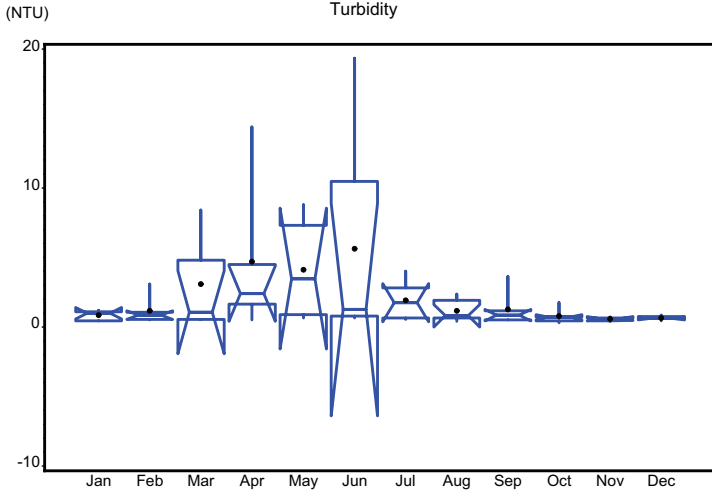
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



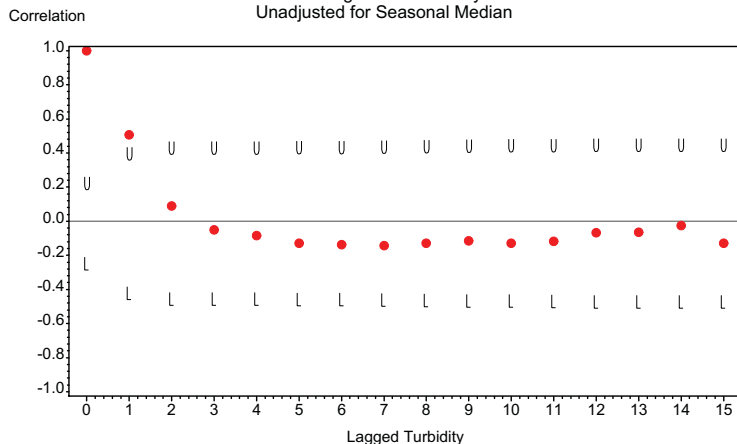
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Turbidity



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.506	0.204	0.408	-0.408
2	0.090	0.221	0.442	-0.442
3	-0.052	0.221	0.443	-0.443
4	-0.085	0.222	0.443	-0.443
5	-0.128	0.222	0.444	-0.444
6	-0.137	0.223	0.446	-0.446
7	-0.144	0.224	0.448	-0.448
8	-0.130	0.225	0.451	-0.451
9	-0.114	0.227	0.453	-0.453
10	-0.128	0.227	0.455	-0.455
11	-0.119	0.228	0.457	-0.457
12	-0.069	0.229	0.458	-0.458
13	-0.066	0.229	0.459	-0.459
14	-0.026	0.230	0.459	-0.459
15	-0.129	0.230	0.460	-0.460

Okaloacoochee Slough Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

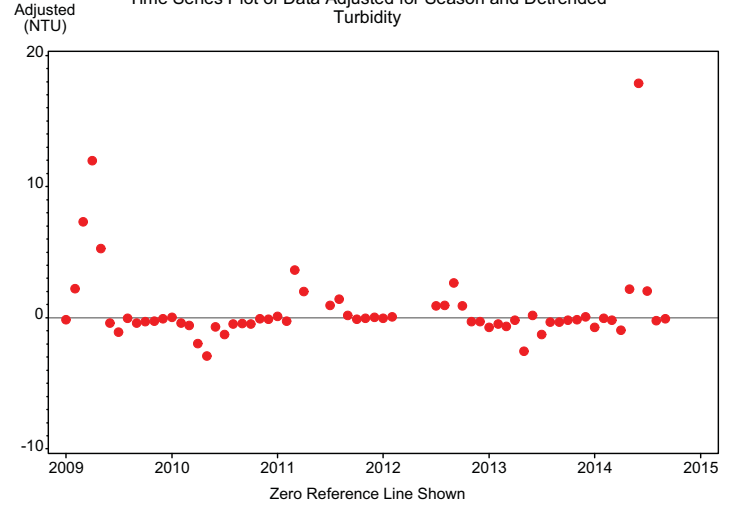
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.109	0.36	0.633	0.033

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.10949	0.36042	0.63328	0.033333

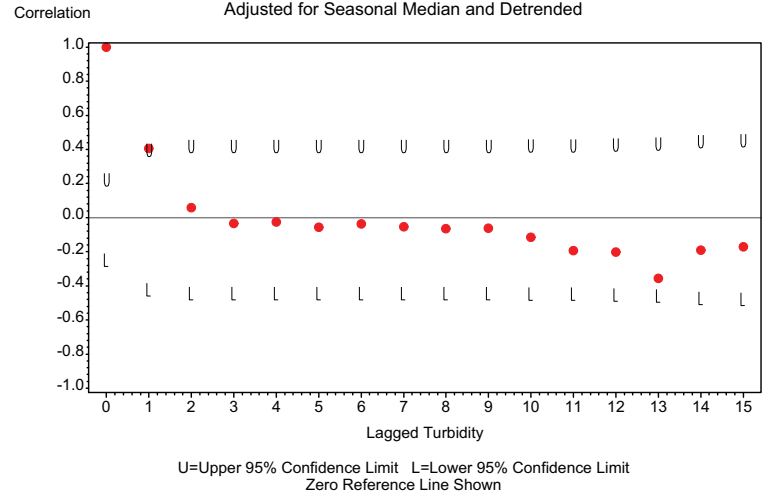
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



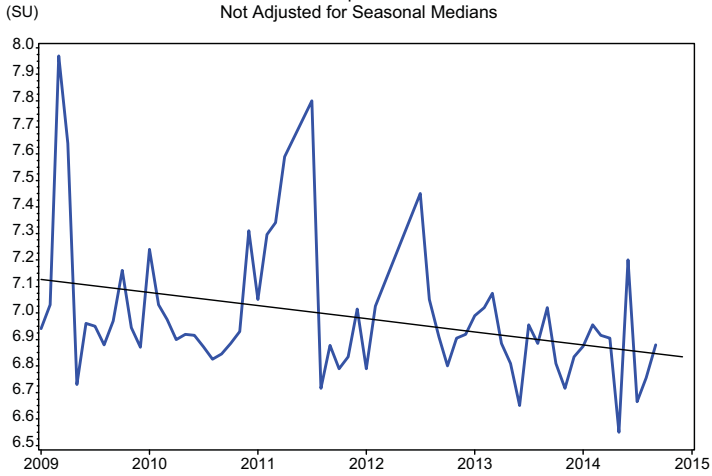
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.406	0.204	0.408	-0.408
2	0.057	0.215	0.430	-0.430
3	-0.033	0.215	0.430	-0.430
4	-0.027	0.215	0.431	-0.431
5	-0.057	0.215	0.431	-0.431
6	-0.036	0.216	0.431	-0.431
7	-0.053	0.216	0.431	-0.431
8	-0.065	0.216	0.432	-0.432
9	-0.062	0.216	0.432	-0.432
10	-0.116	0.216	0.433	-0.433
11	-0.194	0.217	0.434	-0.434
12	-0.202	0.220	0.439	-0.439
13	-0.357	0.222	0.444	-0.444
14	-0.190	0.230	0.460	-0.460
15	-0.170	0.232	0.464	-0.464

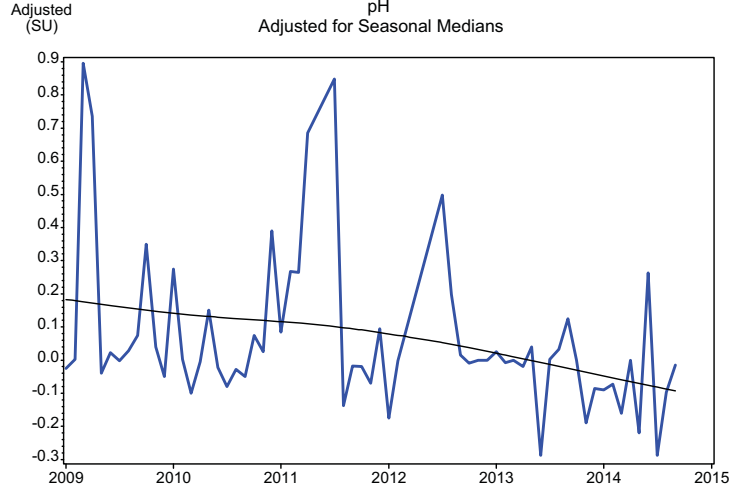
Okaloacoochee Slough Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



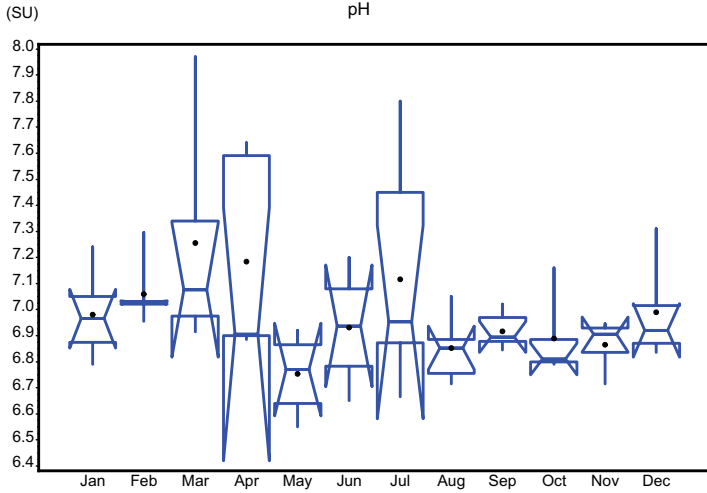
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



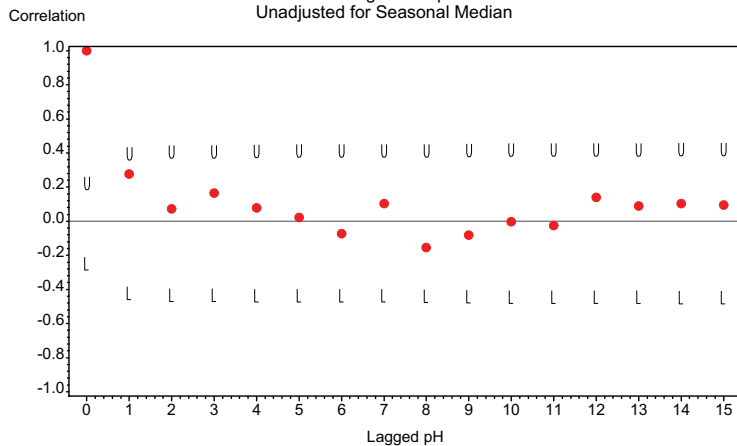
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
pH



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.277	0.204	0.408	-0.408
2	0.072	0.209	0.419	-0.419
3	0.166	0.210	0.419	-0.419
4	0.078	0.211	0.423	-0.423
5	0.022	0.212	0.424	-0.424
6	-0.074	0.212	0.424	-0.424
7	0.102	0.212	0.424	-0.424
8	-0.154	0.213	0.426	-0.426
9	-0.082	0.214	0.429	-0.429
10	-0.004	0.215	0.430	-0.430
11	-0.026	0.215	0.430	-0.430
12	0.140	0.215	0.430	-0.430
13	0.090	0.216	0.432	-0.432
14	0.104	0.217	0.433	-0.433
15	0.095	0.217	0.435	-0.435

Okaloacoochee Slough Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

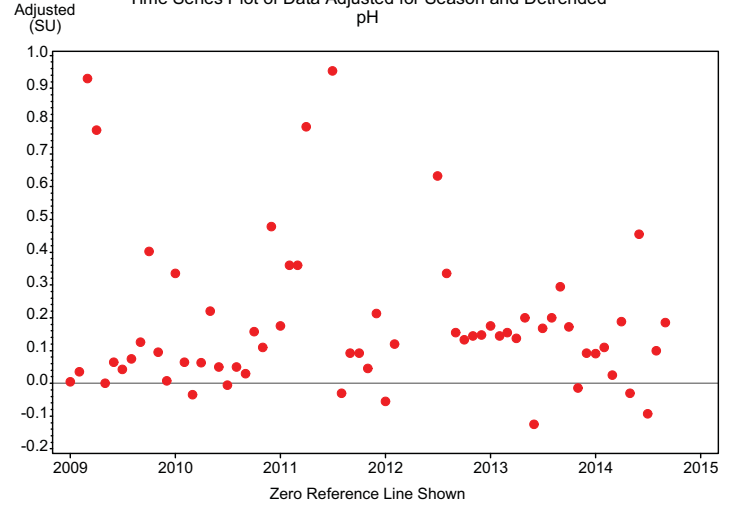
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.321	.006	0.021	-0.03

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.32117	.00564058	0.020550	-0.03

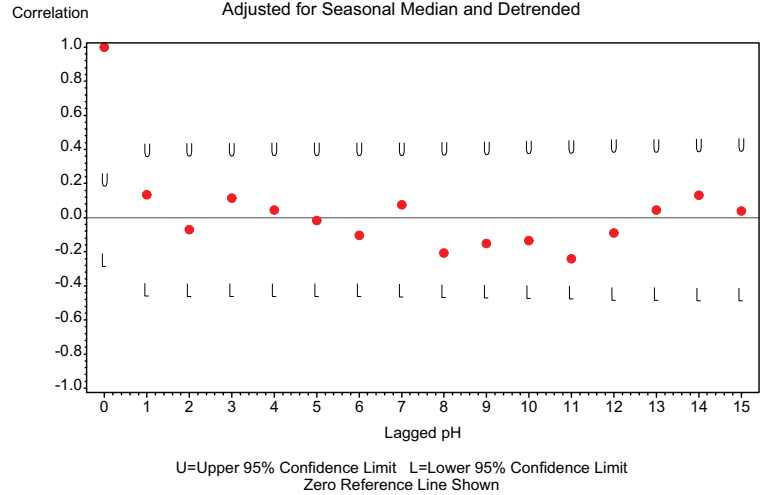
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



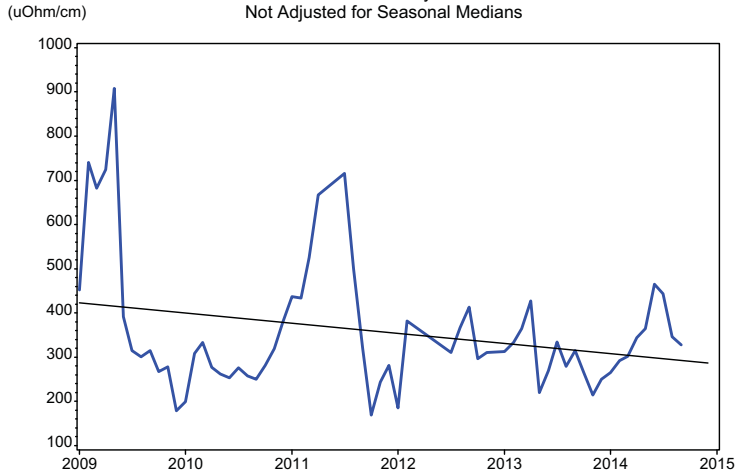
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.135	0.204	0.408	-0.408
2	-0.070	0.205	0.411	-0.411
3	0.115	0.206	0.411	-0.411
4	0.044	0.207	0.413	-0.413
5	-0.016	0.207	0.413	-0.413
6	-0.105	0.207	0.413	-0.413
7	0.075	0.207	0.415	-0.415
8	-0.207	0.208	0.416	-0.416
9	-0.151	0.211	0.421	-0.421
10	-0.134	0.212	0.424	-0.424
11	-0.242	0.213	0.427	-0.427
12	-0.091	0.217	0.434	-0.434
13	0.043	0.218	0.435	-0.435
14	0.131	0.218	0.436	-0.436
15	0.040	0.219	0.438	-0.438

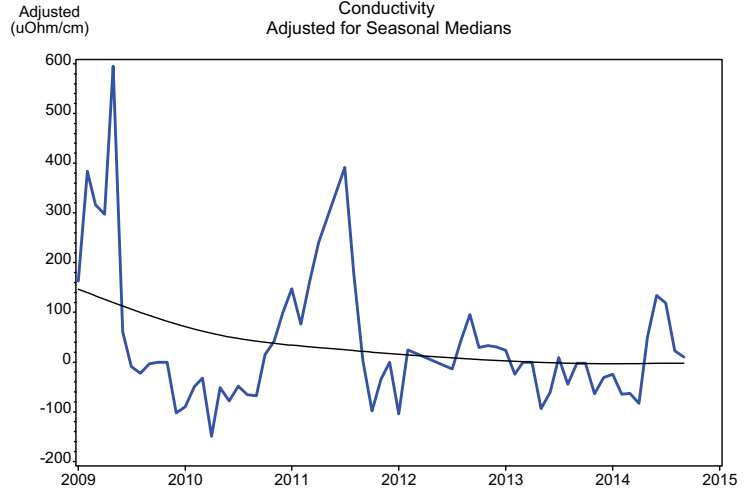
Okaloacoochee Slough Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



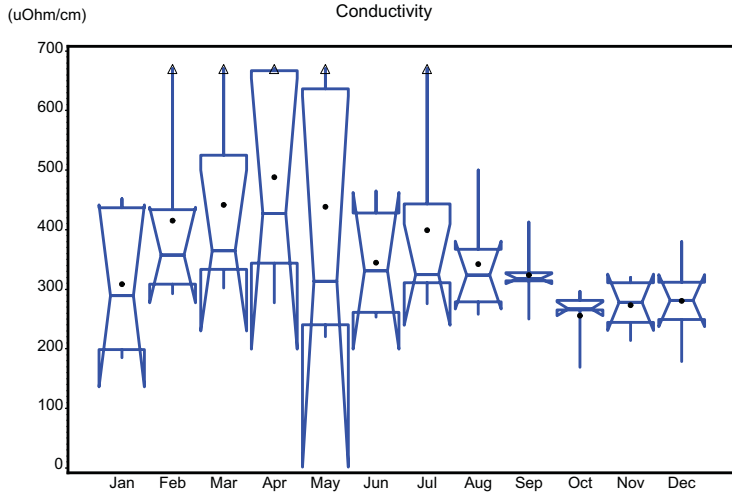
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



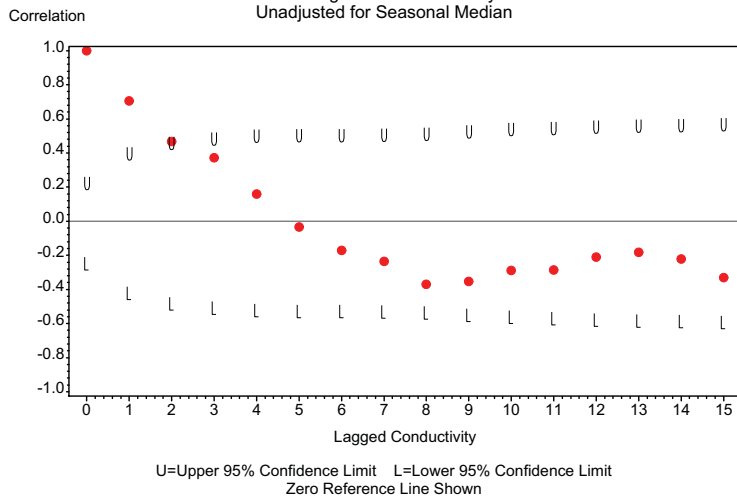
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Conductivity



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.704	0.204	0.408	-0.408
2	0.466	0.235	0.471	-0.471
3	0.373	0.248	0.496	-0.496
4	0.159	0.256	0.511	-0.511
5	-0.033	0.257	0.514	-0.514
6	-0.171	0.257	0.514	-0.514
7	-0.236	0.259	0.517	-0.517
8	-0.369	0.262	0.523	-0.523
9	-0.353	0.269	0.537	-0.537
10	-0.289	0.275	0.550	-0.550
11	-0.285	0.279	0.558	-0.558
12	-0.211	0.283	0.566	-0.566
13	-0.182	0.285	0.571	-0.571
14	-0.222	0.287	0.574	-0.574
15	-0.331	0.289	0.579	-0.579

Okaloacoochee Slough Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



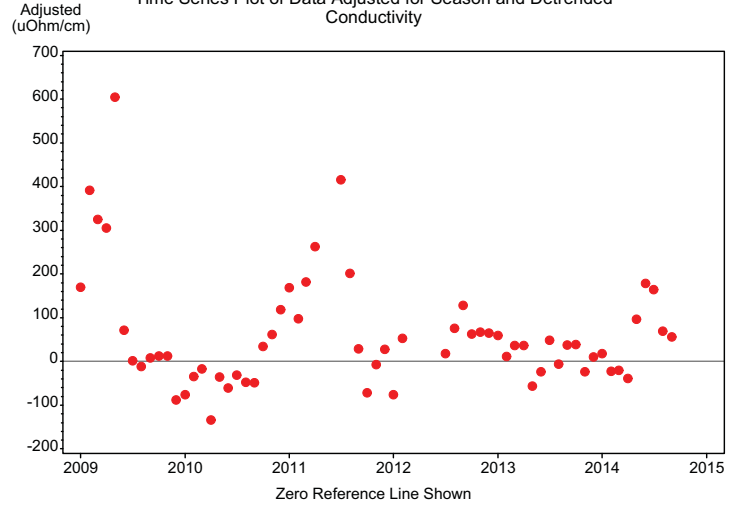
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.109	0.368	0.516	-7

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.10949	0.36848	0.51558	-7

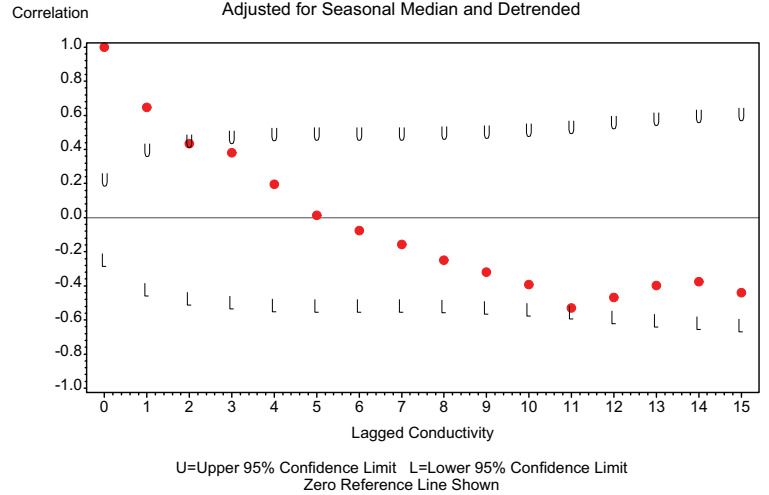
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



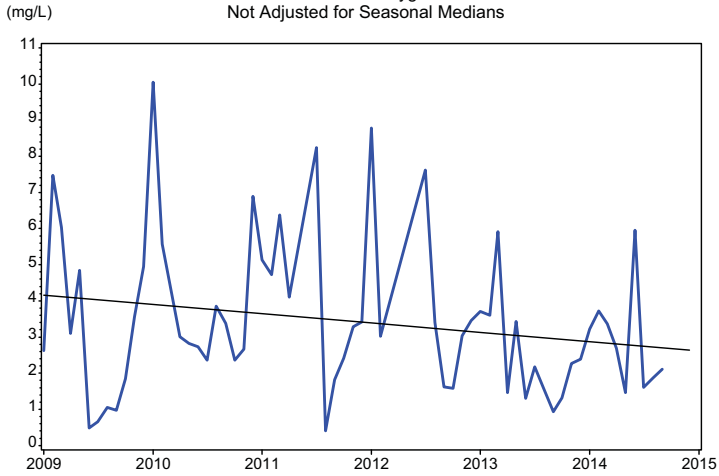
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.647	0.204	0.408	-0.408
2	0.434	0.231	0.462	-0.462
3	0.380	0.242	0.484	-0.484
4	0.196	0.250	0.500	-0.500
5	0.013	0.252	0.504	-0.504
6	-0.075	0.252	0.504	-0.504
7	-0.158	0.253	0.505	-0.505
8	-0.251	0.254	0.508	-0.508
9	-0.321	0.257	0.515	-0.515
10	-0.393	0.263	0.526	-0.526
11	-0.530	0.271	0.542	-0.542
12	-0.468	0.285	0.570	-0.570
13	-0.399	0.295	0.591	-0.591
14	-0.376	0.303	0.606	-0.606
15	-0.439	0.309	0.618	-0.618

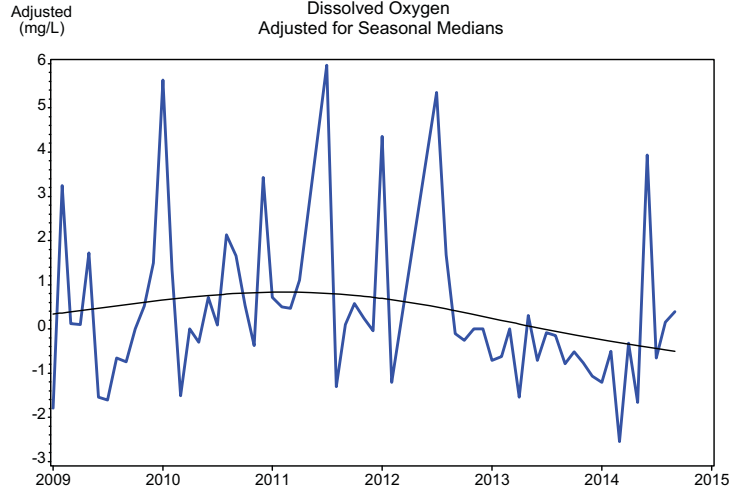
Okaloacoochee Slough Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



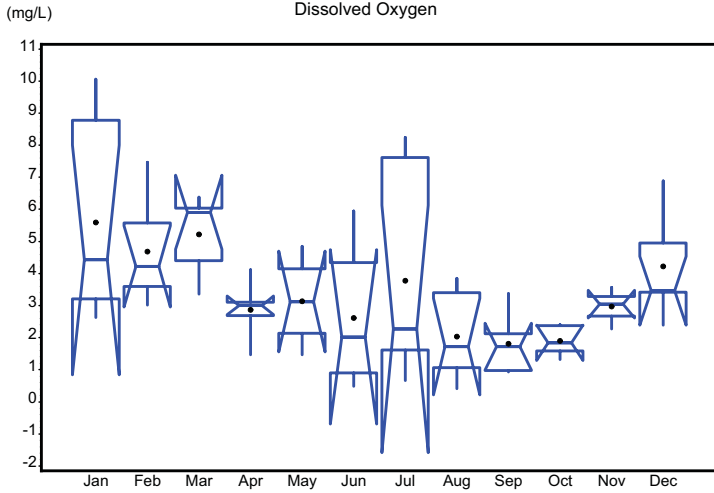
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



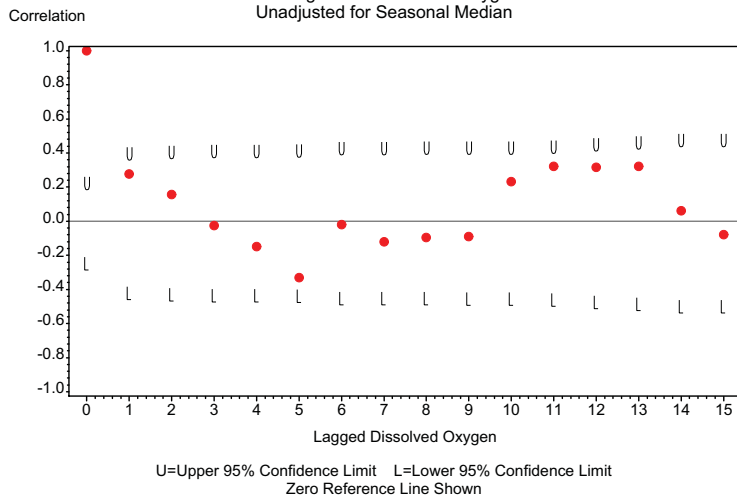
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.276	0.204	0.408	-0.408
2	0.155	0.209	0.418	-0.418
3	-0.025	0.211	0.422	-0.422
4	-0.150	0.211	0.422	-0.422
5	-0.330	0.212	0.425	-0.425
6	-0.019	0.219	0.439	-0.439
7	-0.120	0.219	0.439	-0.439
8	-0.095	0.220	0.441	-0.441
9	-0.089	0.221	0.442	-0.442
10	0.233	0.221	0.443	-0.443
11	0.321	0.225	0.449	-0.449
12	0.315	0.231	0.462	-0.462
13	0.322	0.237	0.474	-0.474
14	0.062	0.243	0.486	-0.486
15	-0.079	0.243	0.486	-0.486

Okaloacoochee Slough Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



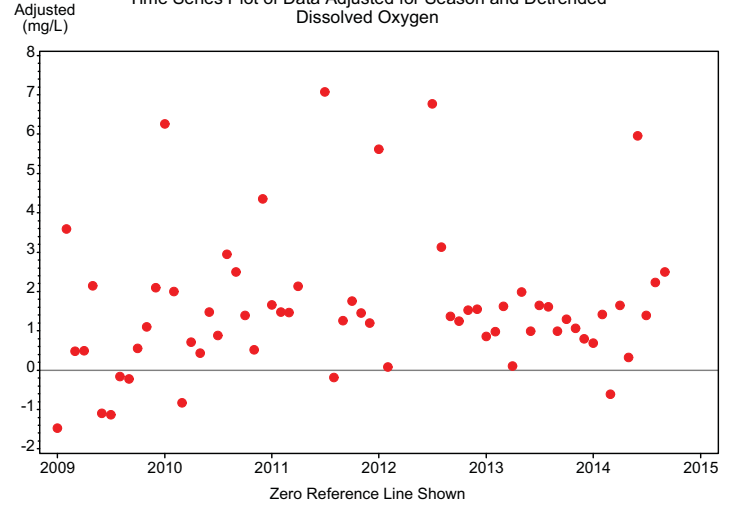
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.27	0.021	0.136	-0.315

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.27007	0.020746	0.13575	-0.315

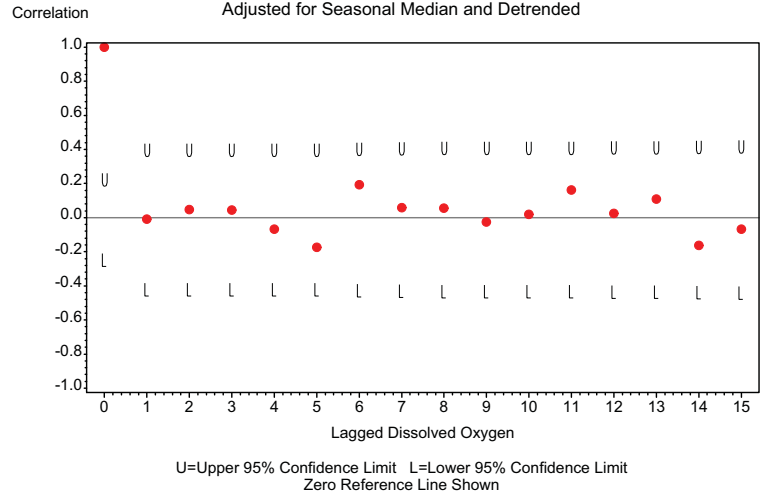
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



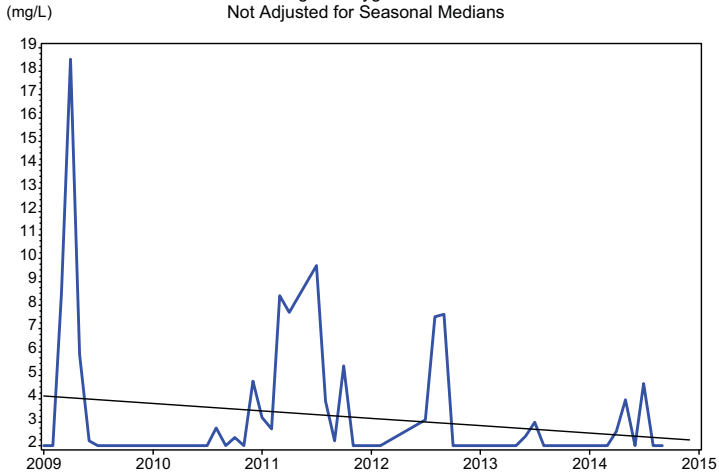
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.010	0.204	0.408	-0.408
2	0.048	0.204	0.408	-0.408
3	0.044	0.204	0.409	-0.409
4	-0.068	0.204	0.409	-0.409
5	-0.174	0.205	0.409	-0.409
6	0.193	0.207	0.414	-0.414
7	0.059	0.209	0.418	-0.418
8	0.055	0.209	0.419	-0.419
9	-0.026	0.210	0.419	-0.419
10	0.019	0.210	0.419	-0.419
11	0.163	0.210	0.419	-0.419
12	0.026	0.211	0.423	-0.423
13	0.108	0.212	0.423	-0.423
14	-0.163	0.212	0.425	-0.425
15	-0.068	0.214	0.428	-0.428

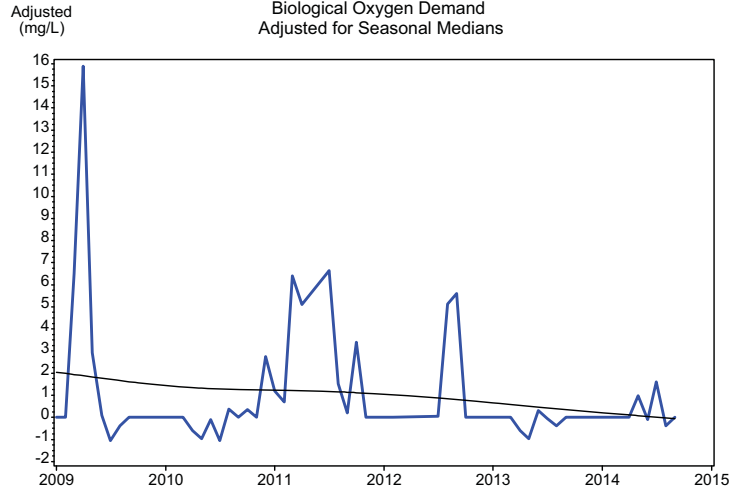
Okaloacoochee Slough Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



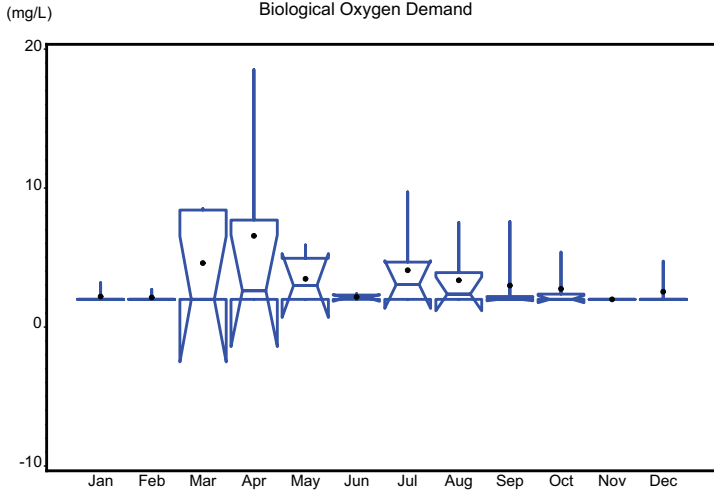
Okaloacoochee Slough Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Adjusted for Seasonal Medians



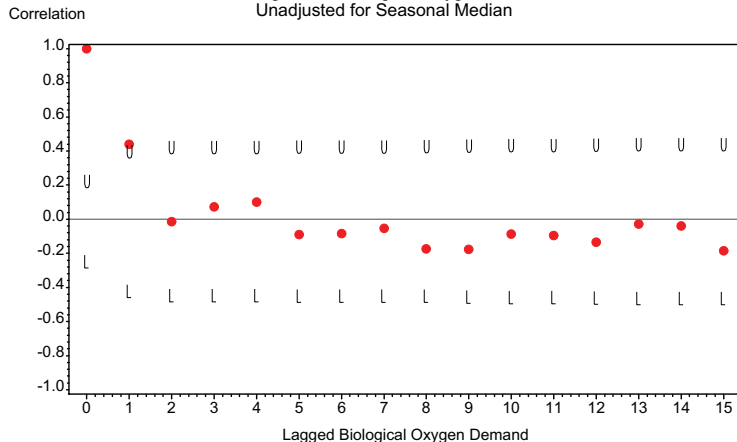
Okaloacoochee Slough Trends Appendix
 Seasonal Univariate Statistics
 Biological Oxygen Demand



Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.438	0.204	0.408	-0.408
2	-0.015	0.217	0.434	-0.434
3	0.071	0.217	0.434	-0.434
4	0.101	0.217	0.434	-0.434
5	-0.091	0.218	0.436	-0.436
6	-0.085	0.218	0.437	-0.437
7	-0.054	0.219	0.437	-0.437
8	-0.173	0.219	0.438	-0.438
9	-0.176	0.221	0.442	-0.442
10	-0.086	0.223	0.446	-0.446
11	-0.097	0.223	0.446	-0.446
12	-0.135	0.224	0.448	-0.448
13	-0.029	0.225	0.450	-0.450
14	-0.041	0.225	0.450	-0.450
15	-0.184	0.225	0.450	-0.450

Okaloacoochee Slough Trends Appendix
 Correlogram for Biological Oxygen Demand
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

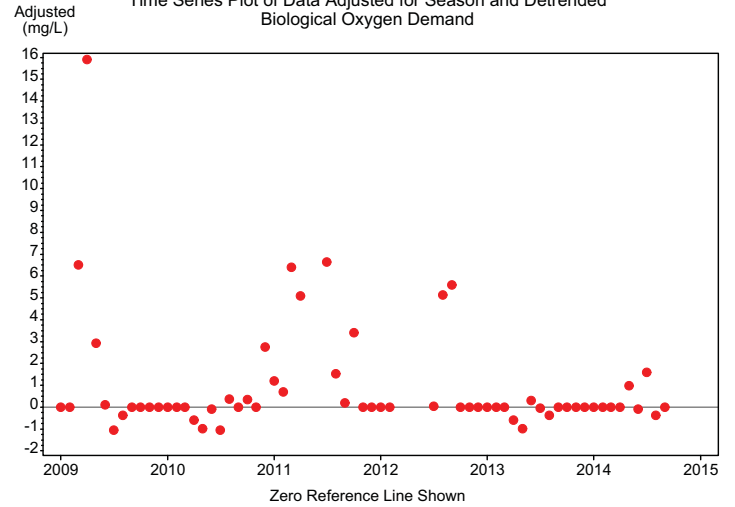
Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.058	0.58	0.748	0

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.058394	0.57999	0.74764	0

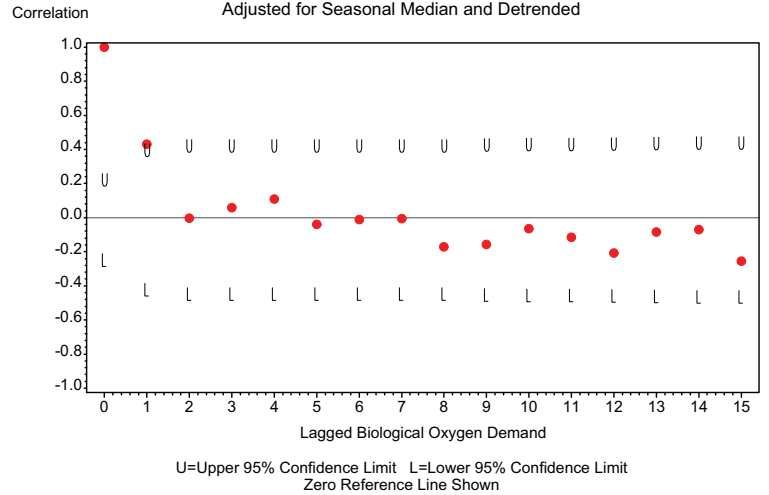
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



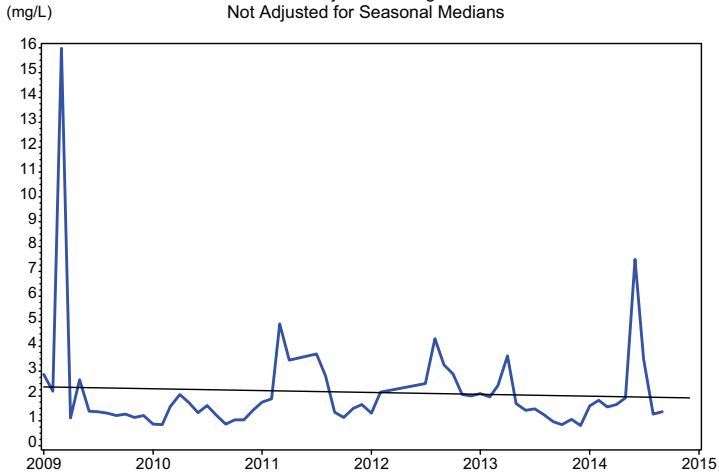
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.432	0.204	0.408	-0.408
2	-0.002	0.216	0.433	-0.433
3	0.059	0.216	0.433	-0.433
4	0.110	0.217	0.433	-0.433
5	-0.039	0.217	0.435	-0.435
6	-0.012	0.218	0.435	-0.435
7	-0.007	0.218	0.435	-0.435
8	-0.171	0.218	0.435	-0.435
9	-0.156	0.219	0.439	-0.439
10	-0.066	0.221	0.442	-0.442
11	-0.115	0.221	0.442	-0.442
12	-0.209	0.222	0.444	-0.444
13	-0.084	0.225	0.449	-0.449
14	-0.071	0.225	0.450	-0.450
15	-0.254	0.225	0.451	-0.451

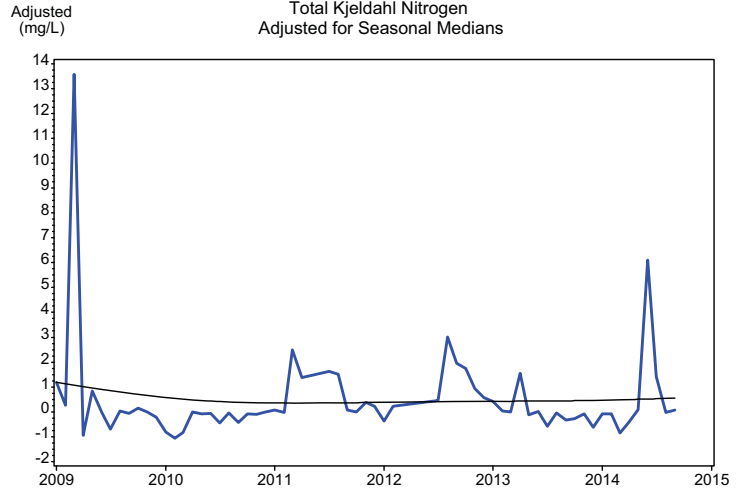
Okaloacoochee Slough Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



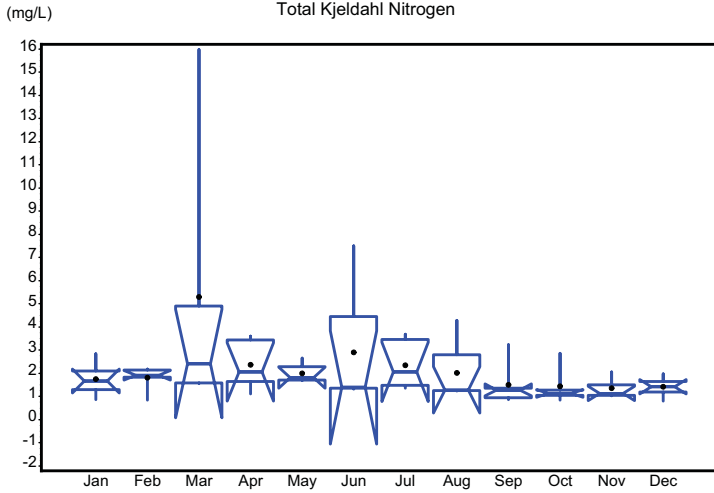
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



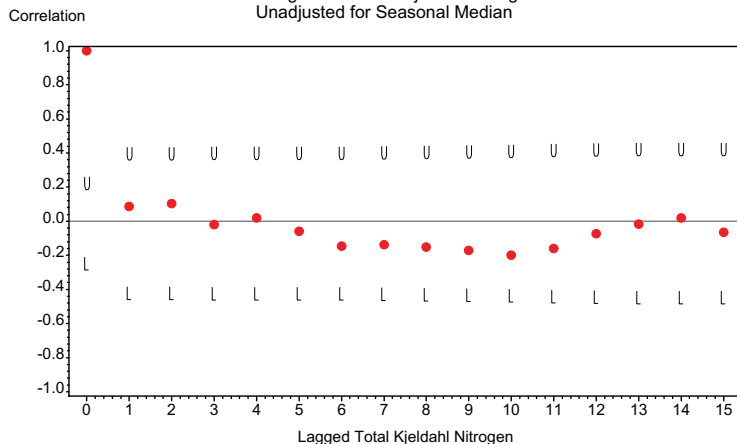
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.085	0.204	0.408	-0.408
2	0.104	0.205	0.409	-0.409
3	-0.019	0.205	0.411	-0.411
4	0.018	0.205	0.411	-0.411
5	-0.058	0.205	0.411	-0.411
6	-0.145	0.206	0.411	-0.411
7	-0.138	0.207	0.414	-0.414
8	-0.151	0.208	0.417	-0.417
9	-0.171	0.210	0.420	-0.420
10	-0.199	0.212	0.423	-0.423
11	-0.160	0.214	0.429	-0.429
12	-0.074	0.216	0.432	-0.432
13	-0.017	0.216	0.433	-0.433
14	0.018	0.216	0.433	-0.433
15	-0.066	0.216	0.433	-0.433

Okaloacoochee Slough Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

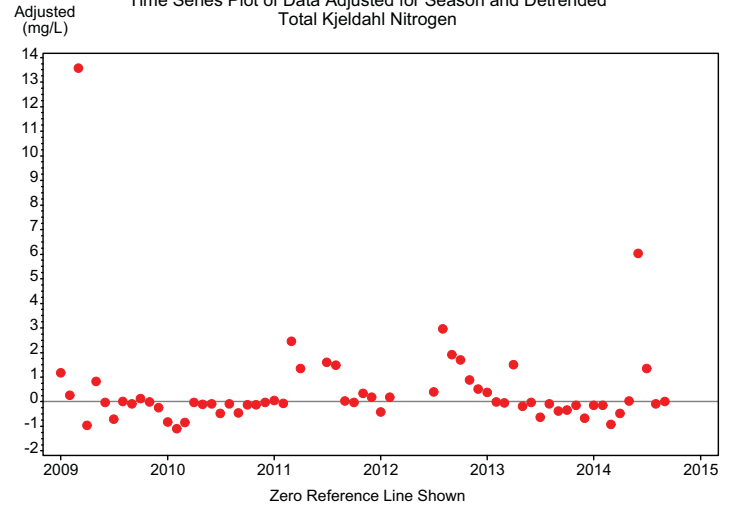
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.066	0.607	0.782	0.01

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.065693	0.60732	0.78249	0.01

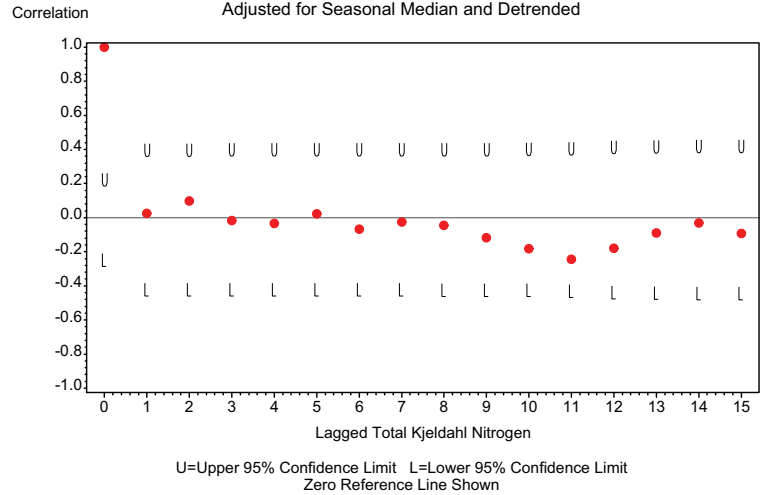
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



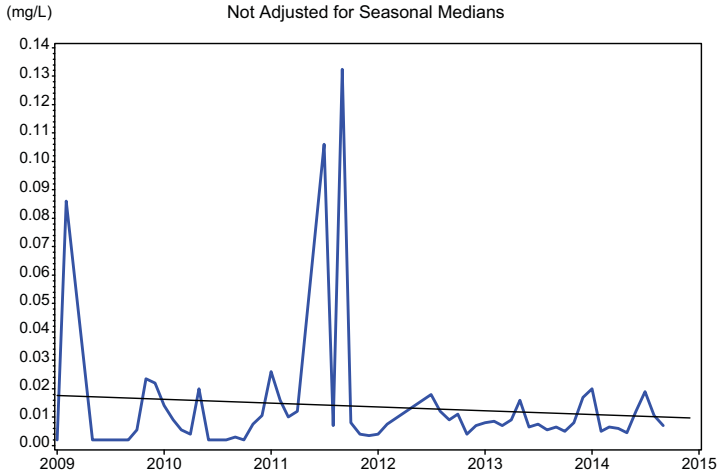
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.024	0.204	0.408	-0.408
2	0.097	0.204	0.408	-0.408
3	-0.016	0.205	0.410	-0.410
4	-0.033	0.205	0.410	-0.410
5	0.021	0.205	0.410	-0.410
6	-0.068	0.205	0.410	-0.410
7	-0.025	0.205	0.410	-0.410
8	-0.045	0.205	0.411	-0.411
9	-0.117	0.205	0.411	-0.411
10	-0.183	0.206	0.413	-0.413
11	-0.245	0.209	0.417	-0.417
12	-0.181	0.213	0.425	-0.425
13	-0.089	0.215	0.429	-0.429
14	-0.030	0.215	0.430	-0.430
15	-0.093	0.215	0.431	-0.431

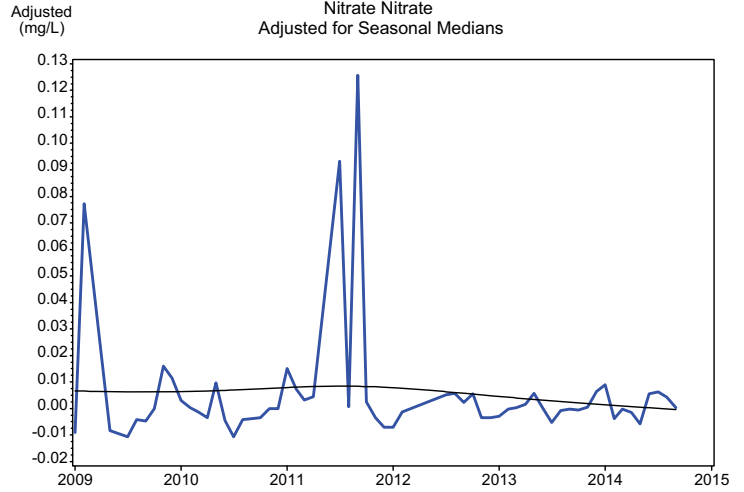
Okaloacoochee Slough Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



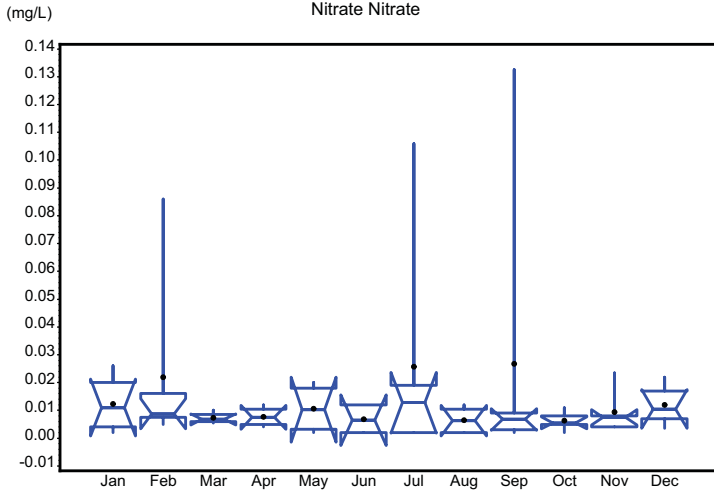
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



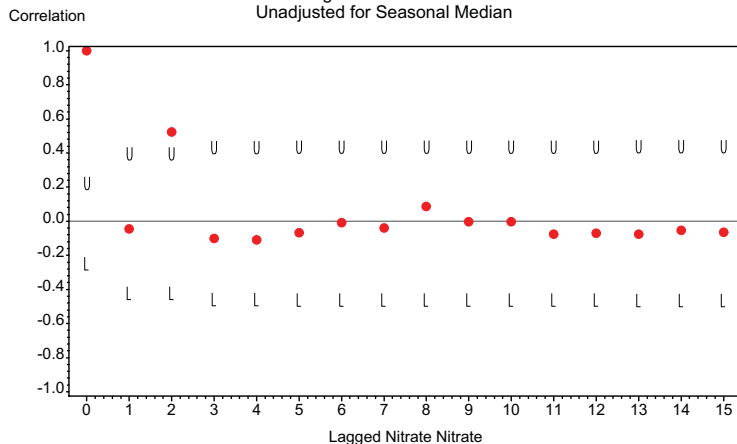
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.046	0.204	0.408	-0.408
2	0.524	0.204	0.409	-0.409
3	-0.101	0.222	0.444	-0.444
4	-0.109	0.223	0.446	-0.446
5	-0.068	0.224	0.447	-0.447
6	-0.009	0.224	0.448	-0.448
7	-0.039	0.224	0.448	-0.448
8	0.087	0.224	0.448	-0.448
9	-0.003	0.224	0.449	-0.449
10	-0.002	0.224	0.449	-0.449
11	-0.077	0.224	0.449	-0.449
12	-0.070	0.225	0.449	-0.449
13	-0.075	0.225	0.450	-0.450
14	-0.053	0.225	0.451	-0.451
15	-0.065	0.226	0.451	-0.451

Okaloacoochee Slough Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

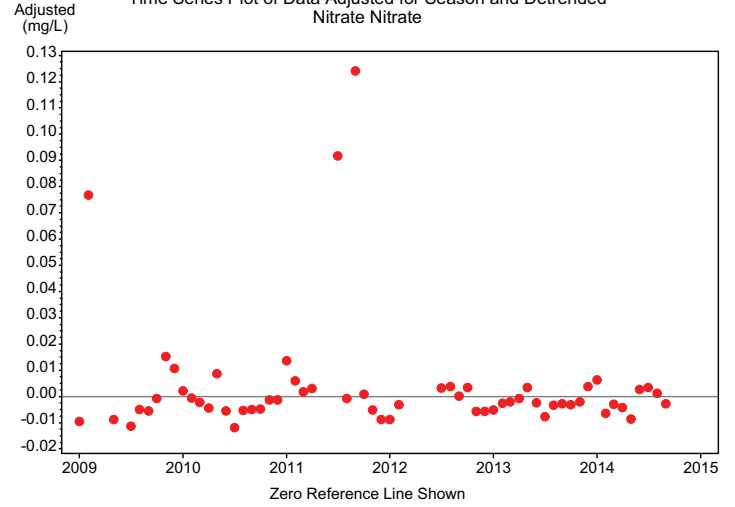
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.103	0.412	0.51	.001

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.11905	0.33893	0.45830	.00045

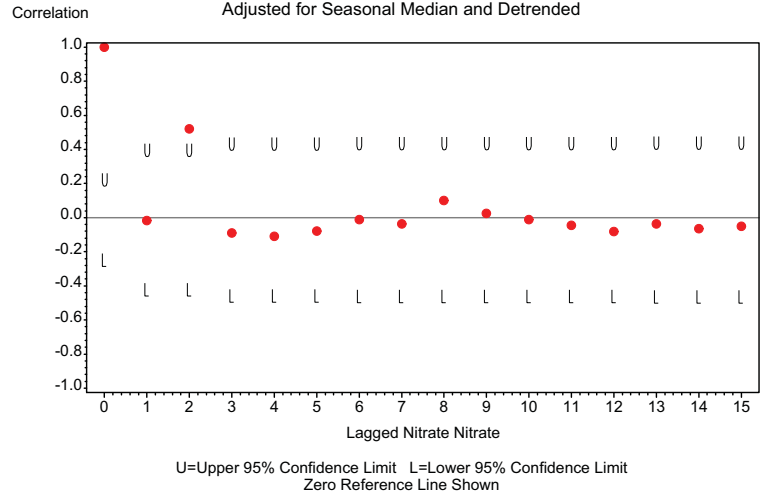
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



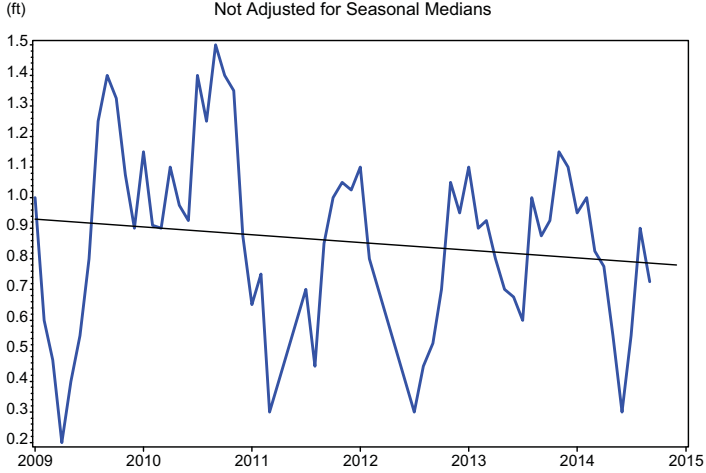
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.017	0.204	0.408	-0.408
2	0.521	0.204	0.408	-0.408
3	-0.090	0.222	0.444	-0.444
4	-0.111	0.222	0.445	-0.445
5	-0.078	0.223	0.446	-0.446
6	-0.012	0.223	0.447	-0.447
7	-0.038	0.223	0.447	-0.447
8	0.099	0.224	0.447	-0.447
9	0.024	0.224	0.448	-0.448
10	-0.013	0.224	0.448	-0.448
11	-0.045	0.224	0.448	-0.448
12	-0.083	0.224	0.449	-0.449
13	-0.036	0.225	0.450	-0.450
14	-0.066	0.225	0.450	-0.450
15	-0.050	0.225	0.450	-0.450

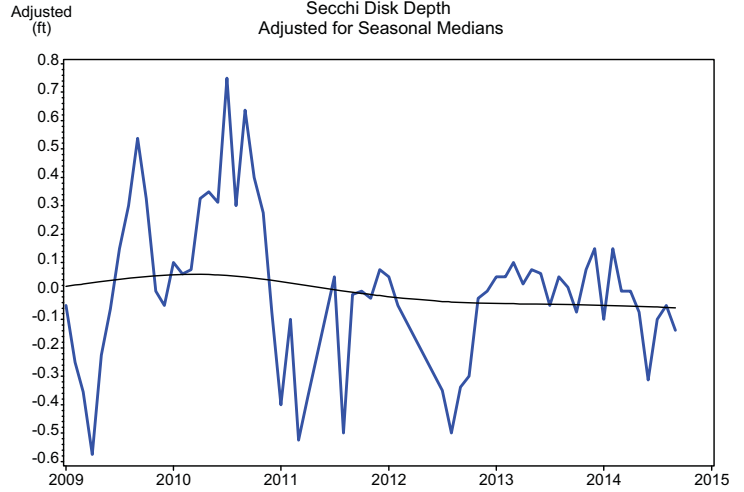
Okaloacoochee Slough Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



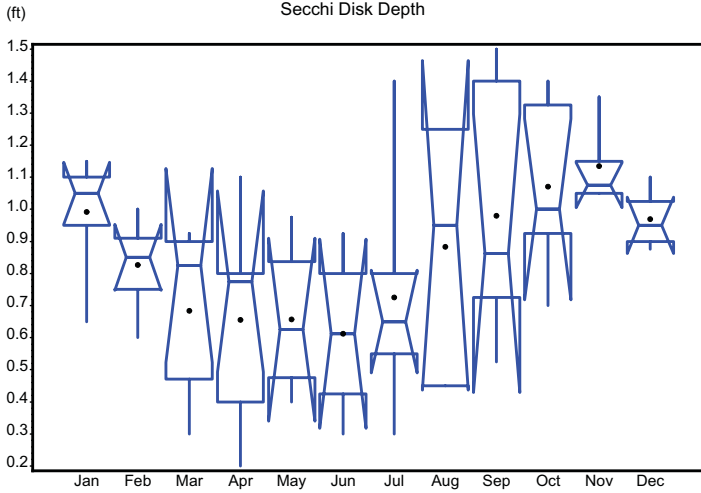
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



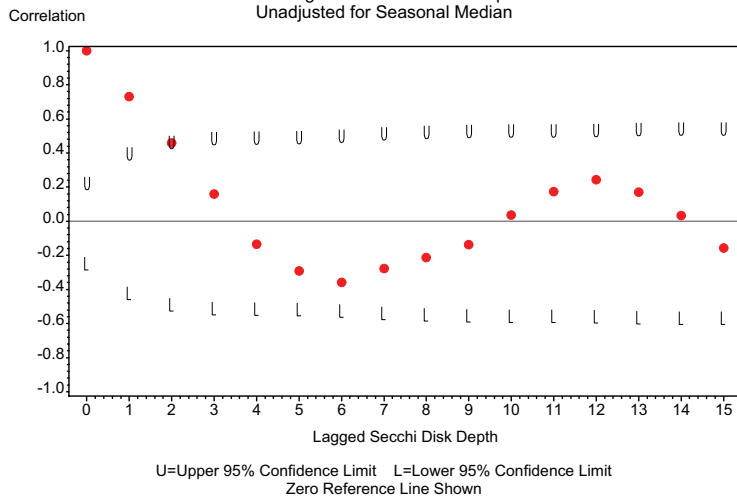
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.236	0.236	-0.236
1	0.730	0.204	0.408	-0.408
2	0.458	0.238	0.475	-0.475
3	0.158	0.250	0.499	-0.499
4	-0.136	0.251	0.502	-0.502
5	-0.292	0.252	0.504	-0.504
6	-0.359	0.257	0.513	-0.513
7	-0.278	0.263	0.527	-0.527
8	-0.213	0.268	0.535	-0.535
9	-0.139	0.270	0.540	-0.540
10	0.035	0.271	0.542	-0.542
11	0.172	0.271	0.542	-0.542
12	0.243	0.272	0.545	-0.545
13	0.171	0.275	0.551	-0.551
14	0.033	0.277	0.554	-0.554
15	-0.158	0.277	0.554	-0.554

Okaloacoochee Slough Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



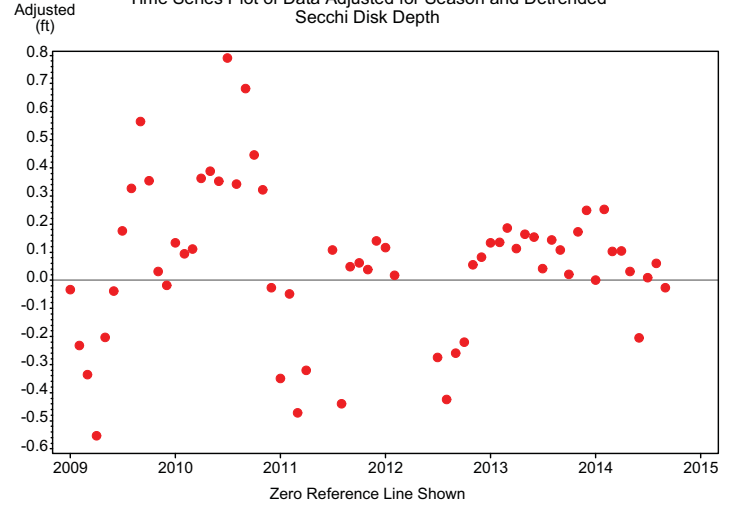
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.095	0.437	0.707	-0.017

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.094891	0.43698	0.70734	-0.016667

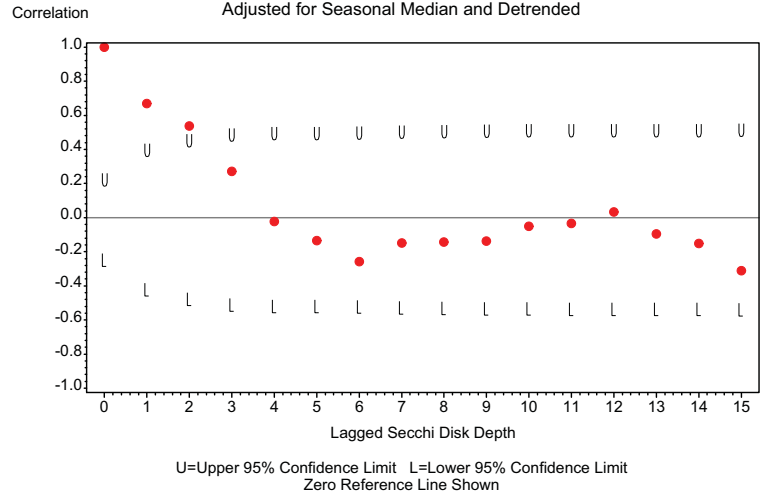
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



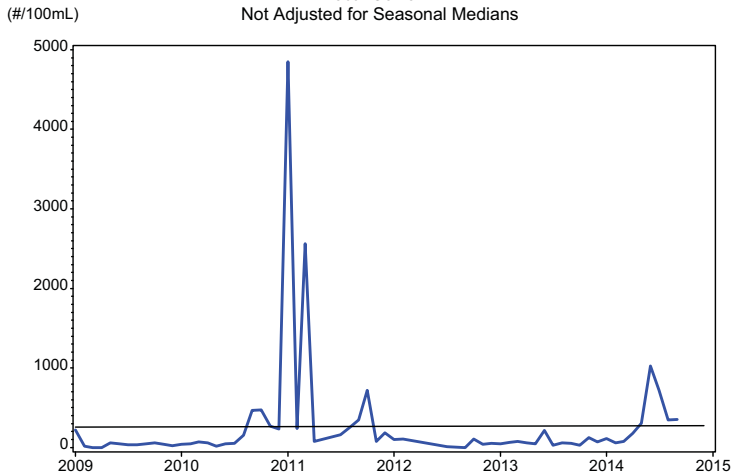
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.670	0.204	0.408	-0.408
2	0.536	0.233	0.465	-0.465
3	0.270	0.249	0.498	-0.498
4	-0.022	0.253	0.506	-0.506
5	-0.135	0.253	0.507	-0.507
6	-0.257	0.254	0.509	-0.509
7	-0.150	0.258	0.516	-0.516
8	-0.142	0.259	0.518	-0.518
9	-0.137	0.260	0.520	-0.520
10	-0.051	0.261	0.522	-0.522
11	-0.035	0.261	0.523	-0.523
12	0.033	0.261	0.523	-0.523
13	-0.096	0.261	0.523	-0.523
14	-0.152	0.262	0.524	-0.524
15	-0.312	0.263	0.526	-0.526

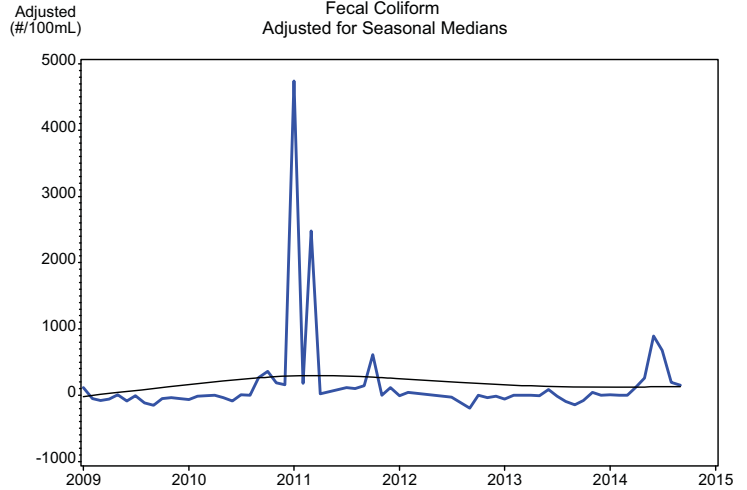
Okaloacoochee Slough Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



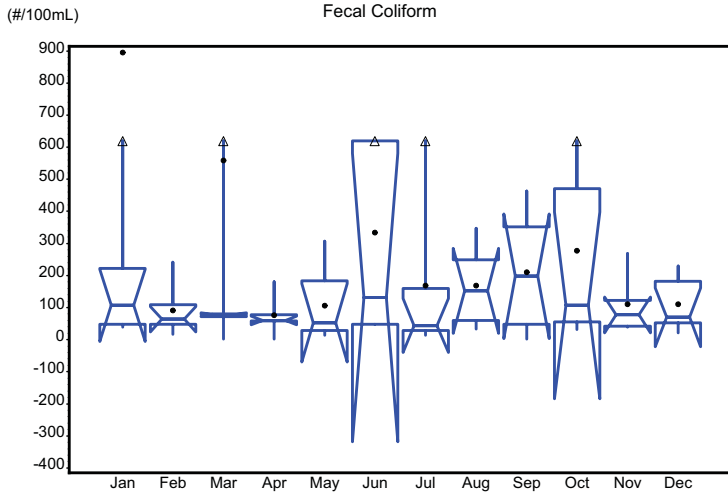
Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Okaloacoochee Slough Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



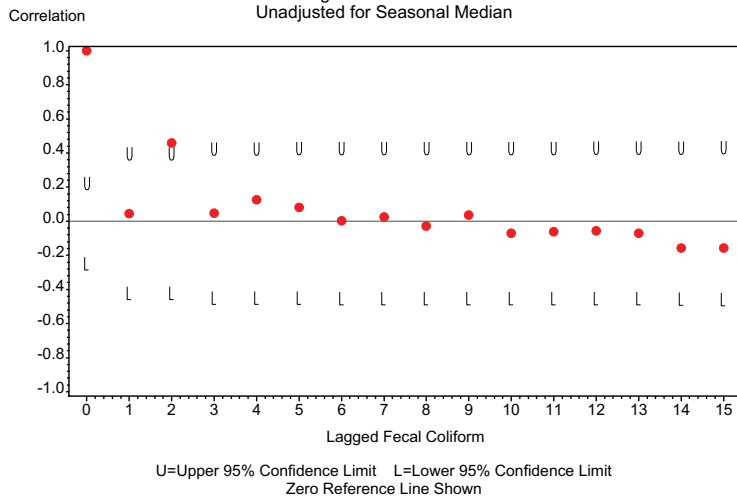
Okaloacoochee Slough Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Okaloacoochee Slough Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.043	0.204	0.408	-0.408
2	0.459	0.204	0.409	-0.409
3	0.046	0.218	0.436	-0.436
4	0.126	0.218	0.436	-0.436
5	0.081	0.219	0.438	-0.438
6	0.002	0.220	0.439	-0.439
7	0.024	0.220	0.439	-0.439
8	-0.028	0.220	0.439	-0.439
9	0.037	0.220	0.440	-0.440
10	-0.071	0.220	0.440	-0.440
11	-0.063	0.220	0.440	-0.440
12	-0.056	0.220	0.441	-0.441
13	-0.070	0.221	0.441	-0.441
14	-0.158	0.221	0.442	-0.442
15	-0.157	0.222	0.445	-0.445

Okaloacoochee Slough Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



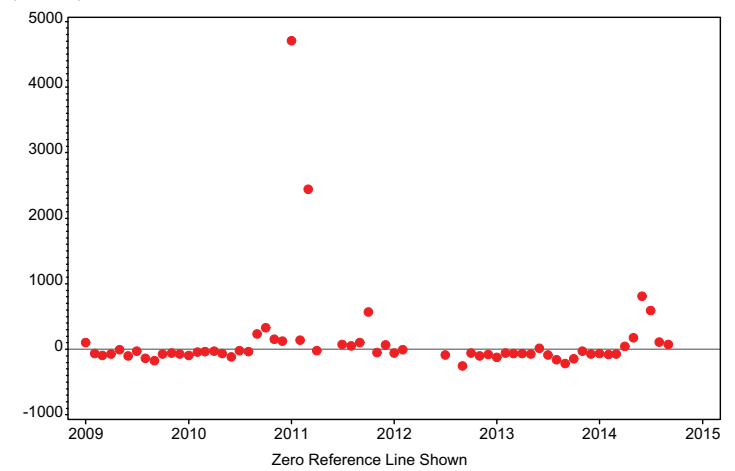
Okaloacoochee Slough Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.227	0.056	0.341	12.375

Okaloacoochee Slough Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.22727	0.056206	0.34076	12.375

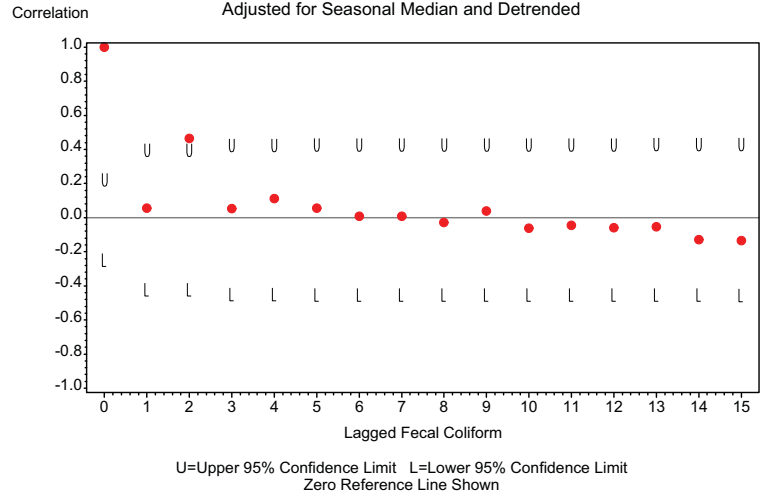
Okaloacoochee Slough Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



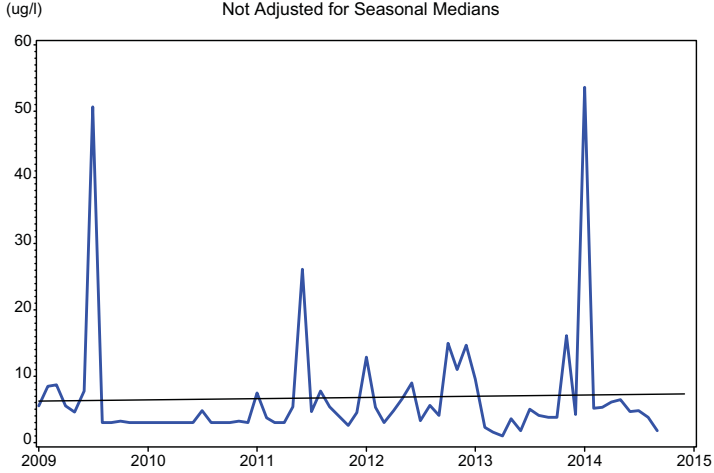
Okaloacoochee Slough Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.056	0.204	0.408	-0.408
2	0.464	0.204	0.409	-0.409
3	0.052	0.218	0.437	-0.437
4	0.111	0.219	0.437	-0.437
5	0.056	0.219	0.439	-0.439
6	0.008	0.220	0.439	-0.439
7	0.007	0.220	0.439	-0.439
8	-0.029	0.220	0.439	-0.439
9	0.039	0.220	0.439	-0.439
10	-0.062	0.220	0.440	-0.440
11	-0.046	0.220	0.440	-0.440
12	-0.058	0.220	0.440	-0.440
13	-0.054	0.220	0.441	-0.441
14	-0.130	0.221	0.441	-0.441
15	-0.134	0.222	0.443	-0.443

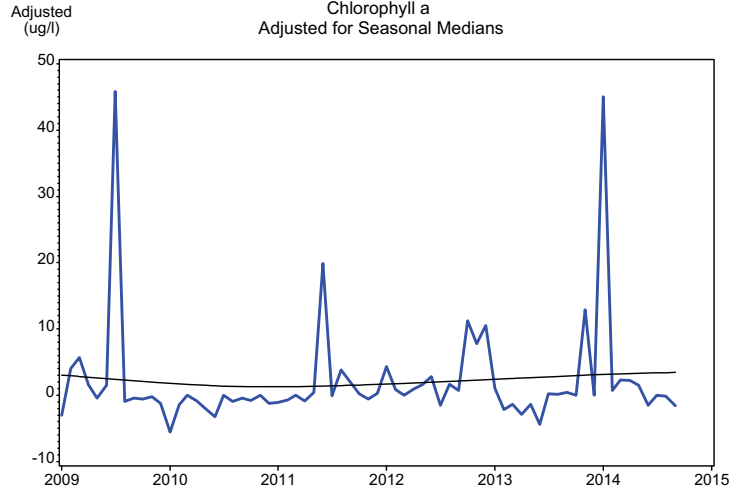
Okaloacoochee Slough Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



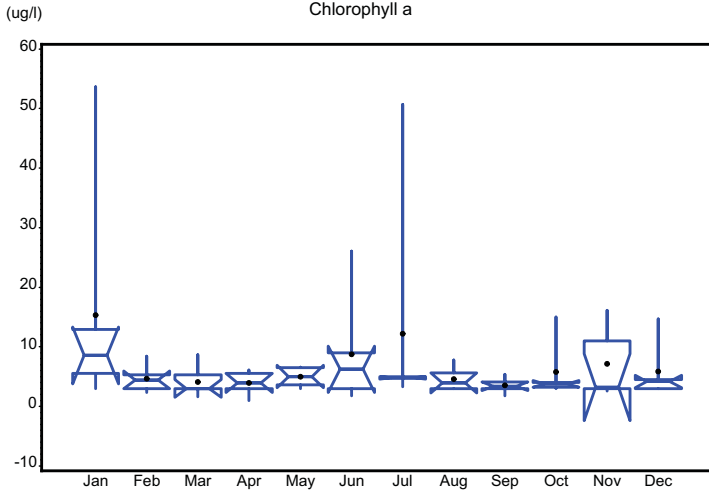
Rookery Bay East Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



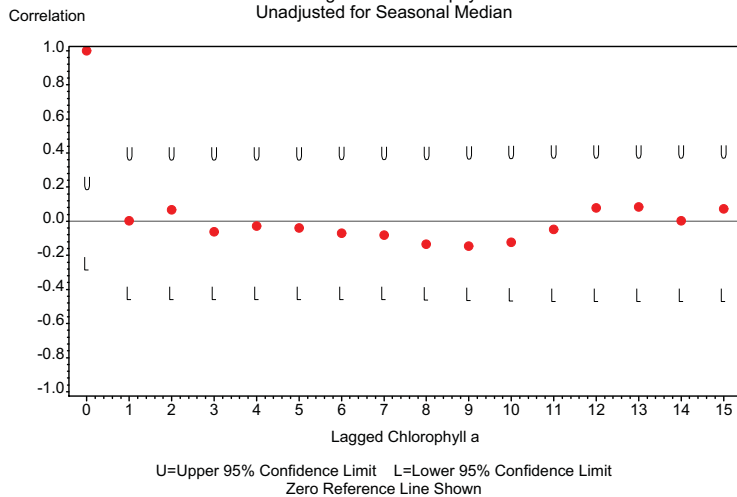
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.003	0.204	0.408	-0.408
2	0.066	0.204	0.408	-0.408
3	-0.061	0.204	0.409	-0.409
4	-0.028	0.205	0.409	-0.409
5	-0.039	0.205	0.409	-0.409
6	-0.070	0.205	0.410	-0.410
7	-0.082	0.205	0.410	-0.410
8	-0.134	0.206	0.411	-0.411
9	-0.147	0.207	0.414	-0.414
10	-0.124	0.208	0.417	-0.417
11	-0.047	0.209	0.419	-0.419
12	0.078	0.209	0.419	-0.419
13	0.084	0.210	0.420	-0.420
14	0.002	0.210	0.421	-0.421
15	0.072	0.210	0.421	-0.421

Rookery Bay East Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



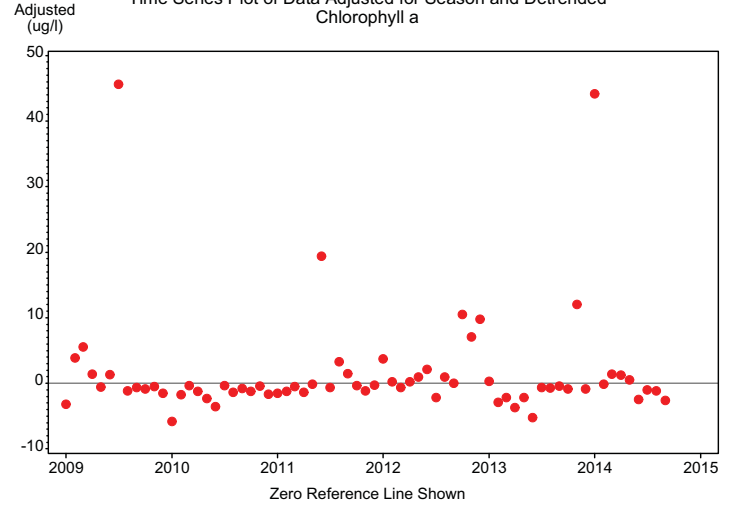
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.103	0.353	0.568	0.15

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.10303	0.35265	0.56779	0.15

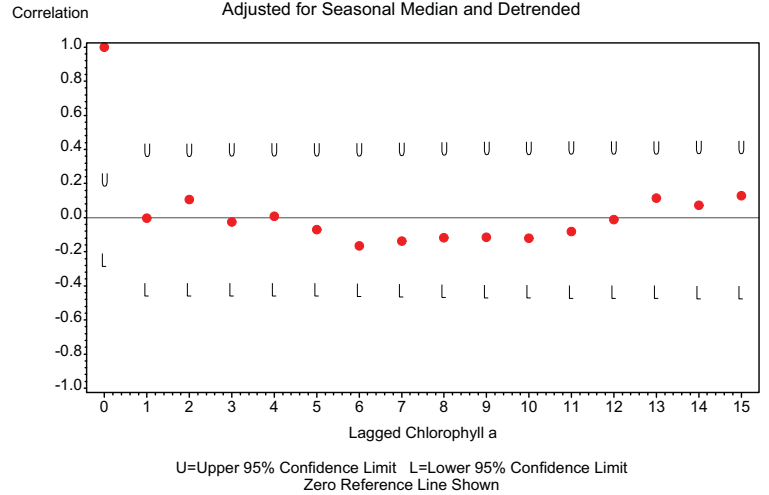
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



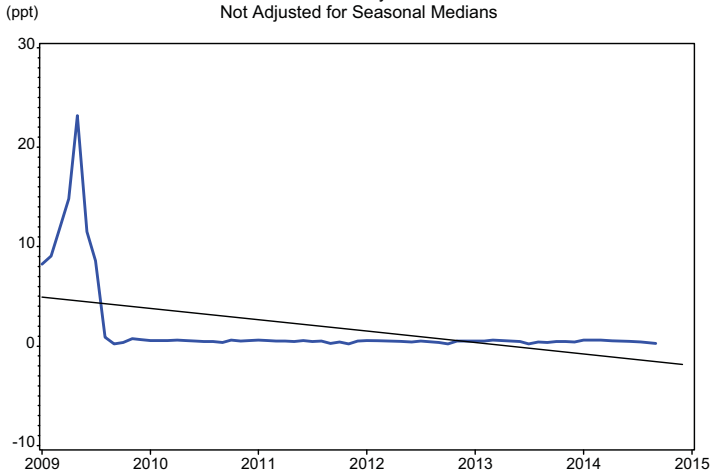
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.003	0.204	0.408	-0.408
2	0.106	0.204	0.408	-0.408
3	-0.027	0.205	0.410	-0.410
4	0.008	0.205	0.410	-0.410
5	-0.070	0.205	0.410	-0.410
6	-0.165	0.205	0.411	-0.411
7	-0.139	0.207	0.414	-0.414
8	-0.117	0.208	0.417	-0.417
9	-0.116	0.209	0.419	-0.419
10	-0.120	0.210	0.420	-0.420
11	-0.083	0.211	0.422	-0.422
12	-0.011	0.212	0.423	-0.423
13	0.113	0.212	0.423	-0.423
14	0.071	0.212	0.425	-0.425
15	0.129	0.213	0.426	-0.426

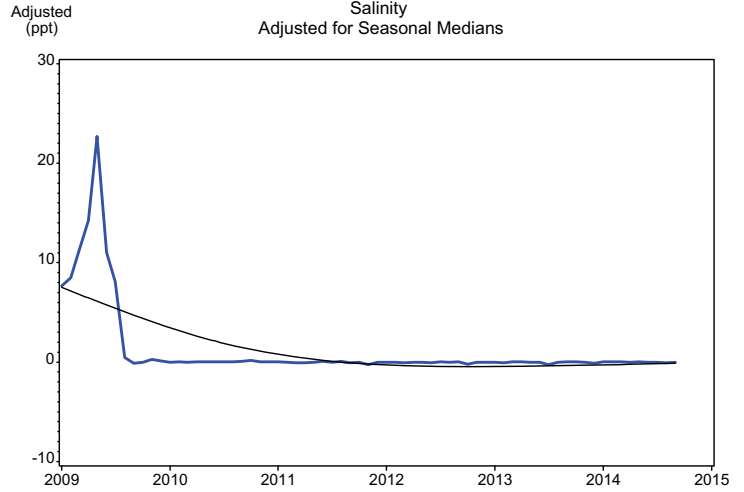
Rookery Bay East Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



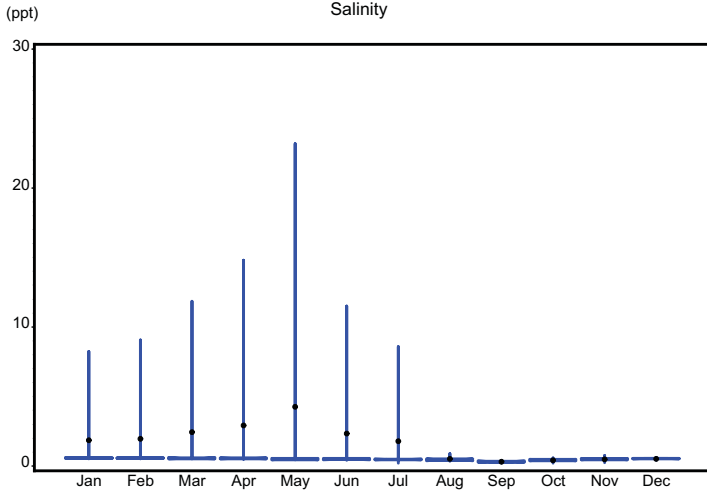
Rookery Bay East Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



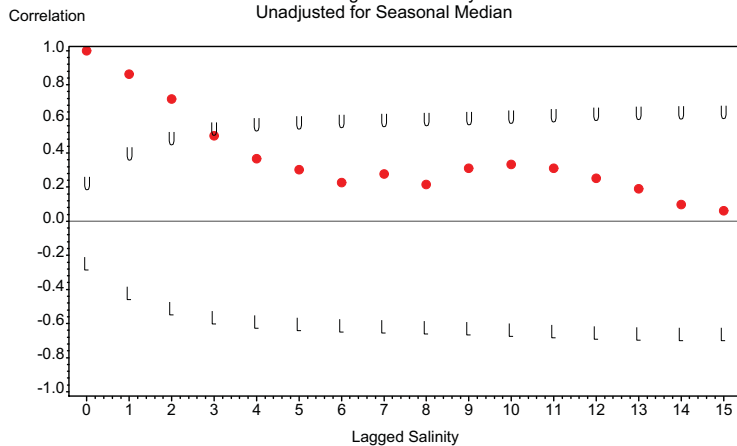
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Salinity



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.861	0.204	0.408	-0.408
2	0.717	0.249	0.499	-0.499
3	0.502	0.277	0.553	-0.553
4	0.365	0.289	0.578	-0.578
5	0.301	0.295	0.591	-0.591
6	0.226	0.300	0.599	-0.599
7	0.276	0.302	0.604	-0.604
8	0.215	0.305	0.611	-0.611
9	0.309	0.308	0.615	-0.615
10	0.332	0.312	0.624	-0.624
11	0.310	0.317	0.633	-0.633
12	0.252	0.321	0.642	-0.642
13	0.190	0.324	0.647	-0.647
14	0.098	0.325	0.650	-0.650
15	0.062	0.326	0.651	-0.651

Rookery Bay East Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

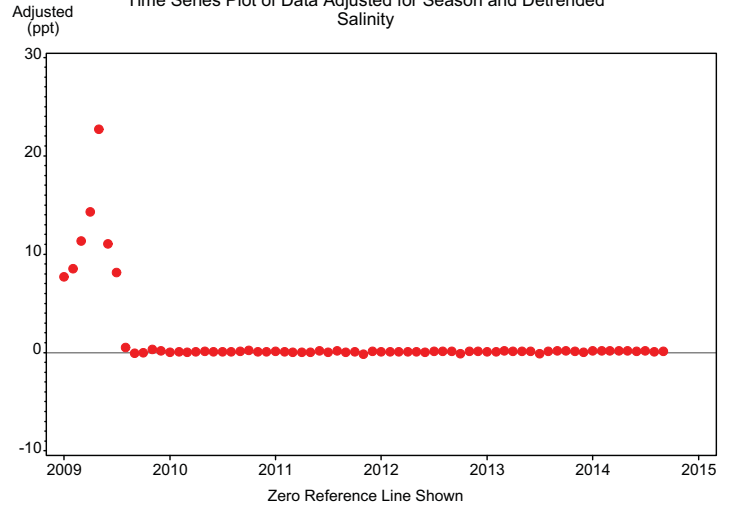
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.394	0	0.079	-0.025

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.39394	.000225477	0.078937	-0.025

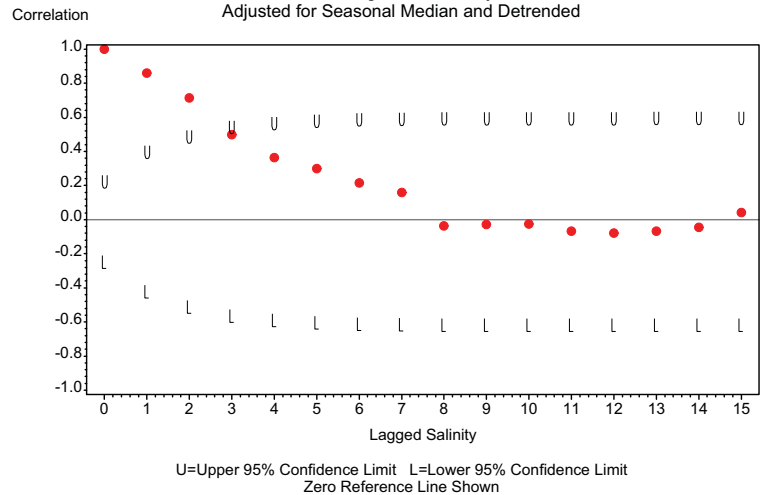
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended Salinity



Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

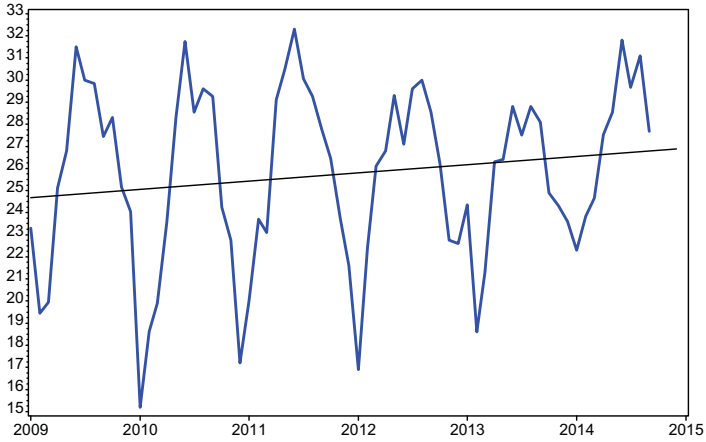
Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.859	0.204	0.408	-0.408
2	0.714	0.249	0.499	-0.499
3	0.499	0.276	0.553	-0.553
4	0.363	0.289	0.577	-0.577
5	0.298	0.295	0.590	-0.590
6	0.215	0.299	0.598	-0.598
7	0.160	0.301	0.602	-0.602
8	-0.037	0.302	0.605	-0.605
9	-0.029	0.302	0.605	-0.605
10	-0.026	0.302	0.605	-0.605
11	-0.068	0.302	0.605	-0.605
12	-0.080	0.303	0.605	-0.605
13	-0.068	0.303	0.606	-0.606
14	-0.046	0.303	0.606	-0.606
15	0.042	0.303	0.606	-0.606

Rookery Bay East Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended

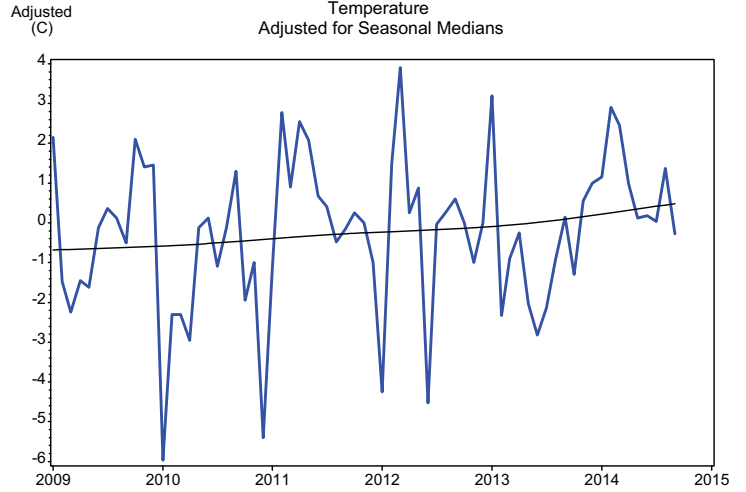


U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

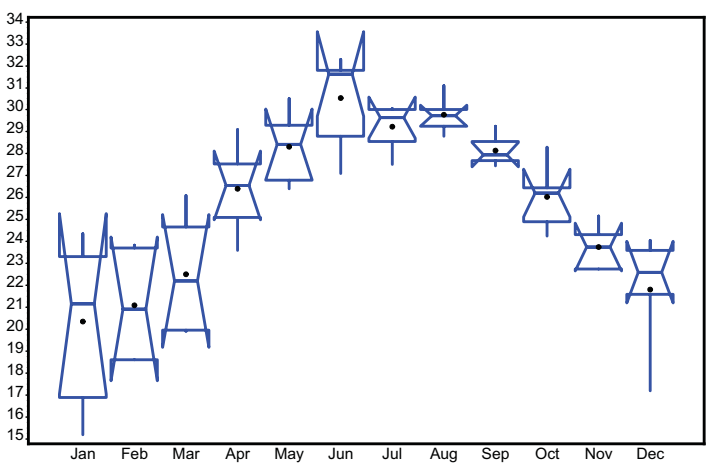
Rookery Bay East Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



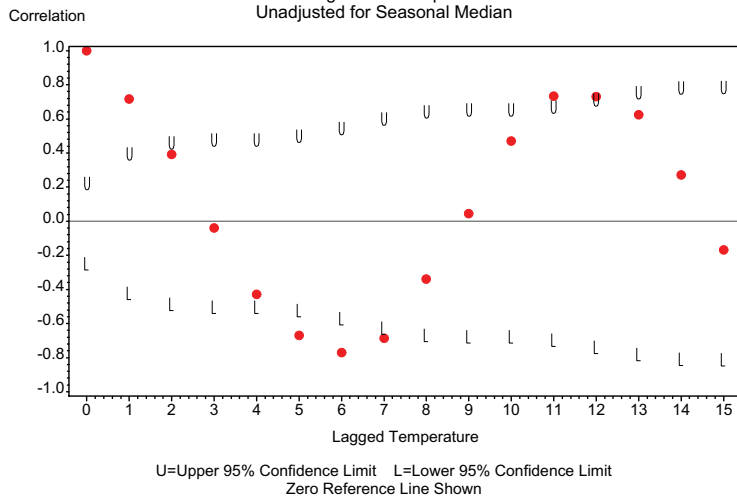
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Temperature



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.716	0.204	0.408	-0.408
2	0.392	0.236	0.473	-0.473
3	-0.039	0.245	0.491	-0.491
4	-0.430	0.245	0.491	-0.491
5	-0.669	0.256	0.511	-0.511
6	-0.771	0.279	0.558	-0.558
7	-0.686	0.307	0.614	-0.614
8	-0.340	0.328	0.655	-0.655
9	0.045	0.333	0.665	-0.665
10	0.471	0.333	0.665	-0.665
11	0.734	0.342	0.684	-0.684
12	0.731	0.363	0.726	-0.726
13	0.624	0.383	0.766	-0.766
14	0.270	0.397	0.794	-0.794
15	-0.168	0.399	0.799	-0.799

Rookery Bay East Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



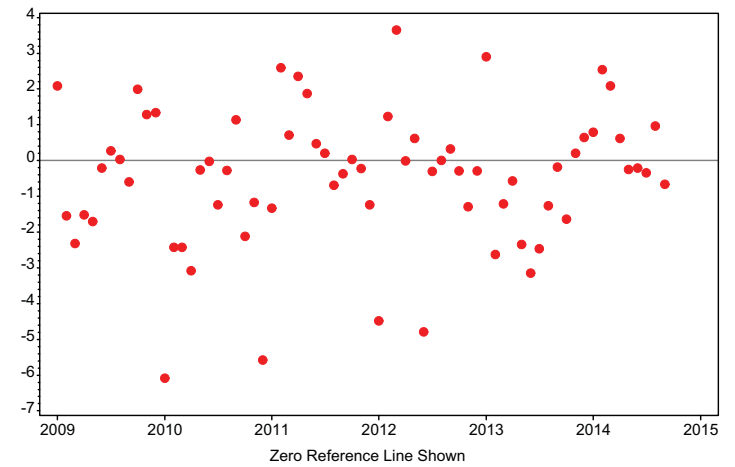
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.085	0.456	0.627	0.06

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.084849	0.45591	0.62693	0.06

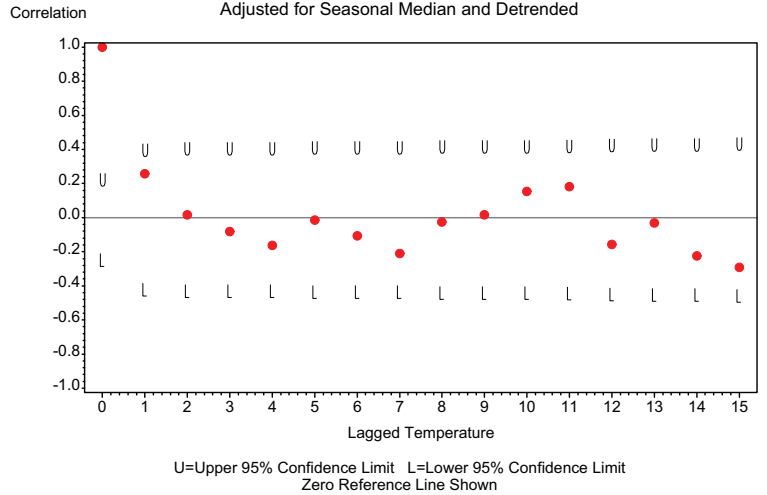
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



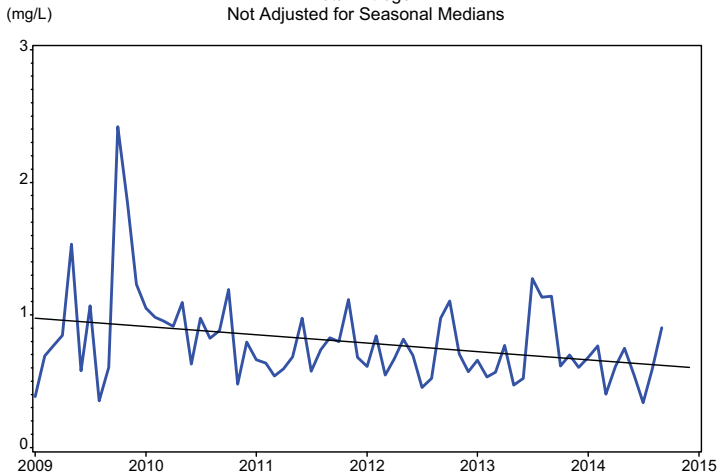
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.256	0.204	0.408	-0.408
2	0.017	0.209	0.417	-0.417
3	-0.083	0.209	0.417	-0.417
4	-0.163	0.209	0.418	-0.418
5	-0.015	0.211	0.422	-0.422
6	-0.107	0.211	0.422	-0.422
7	-0.210	0.212	0.423	-0.423
8	-0.025	0.214	0.429	-0.429
9	0.017	0.214	0.429	-0.429
10	0.153	0.214	0.429	-0.429
11	0.181	0.216	0.432	-0.432
12	-0.158	0.218	0.436	-0.436
13	-0.031	0.220	0.439	-0.439
14	-0.224	0.220	0.439	-0.439
15	-0.291	0.223	0.446	-0.446

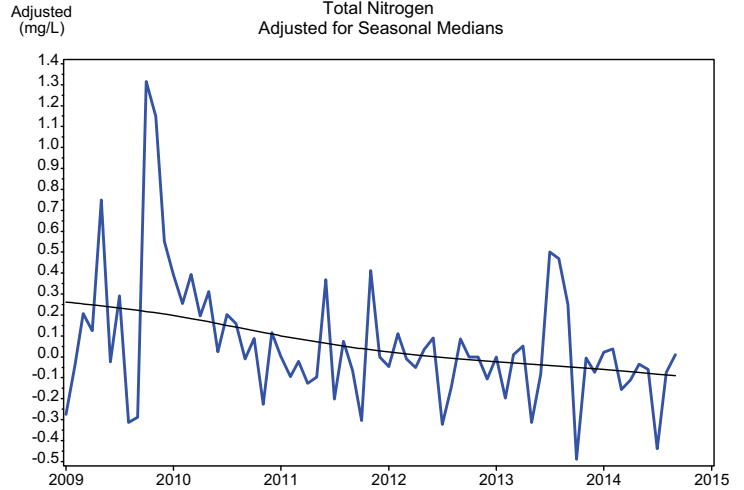
Rookery Bay East Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



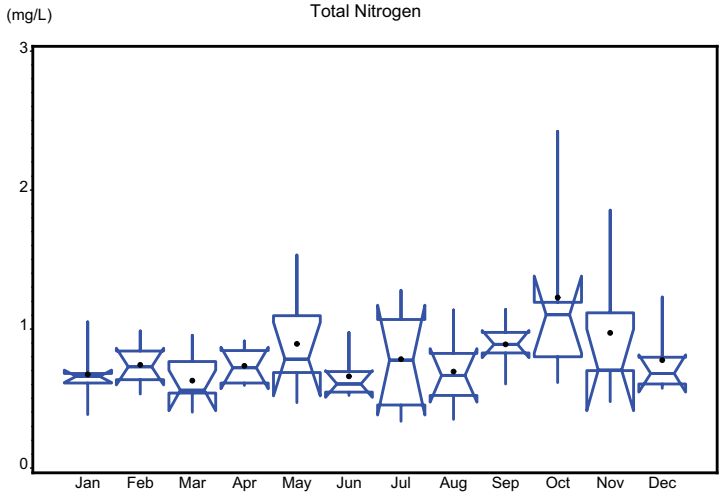
Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



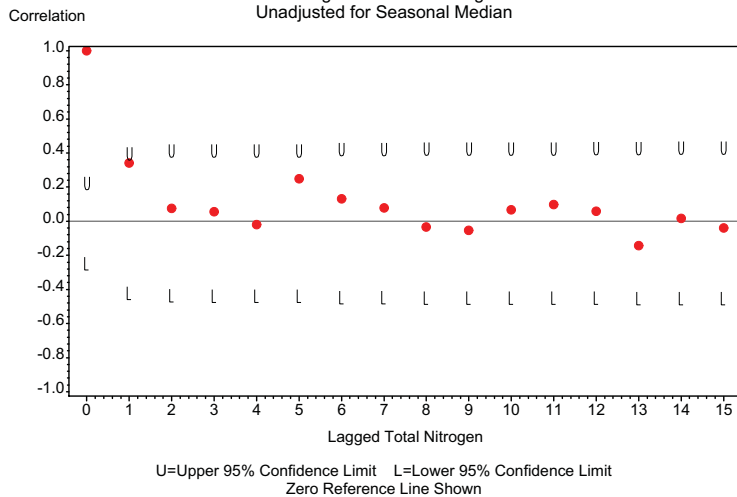
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.341	0.204	0.408	-0.408
2	0.075	0.212	0.424	-0.424
3	0.056	0.212	0.425	-0.425
4	-0.020	0.212	0.425	-0.425
5	0.249	0.213	0.425	-0.425
6	0.130	0.217	0.433	-0.433
7	0.078	0.218	0.435	-0.435
8	-0.034	0.218	0.436	-0.436
9	-0.053	0.218	0.436	-0.436
10	0.066	0.218	0.436	-0.436
11	0.097	0.219	0.437	-0.437
12	0.057	0.219	0.438	-0.438
13	-0.142	0.219	0.439	-0.439
14	0.015	0.221	0.441	-0.441
15	-0.041	0.221	0.441	-0.441

Rookery Bay East Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



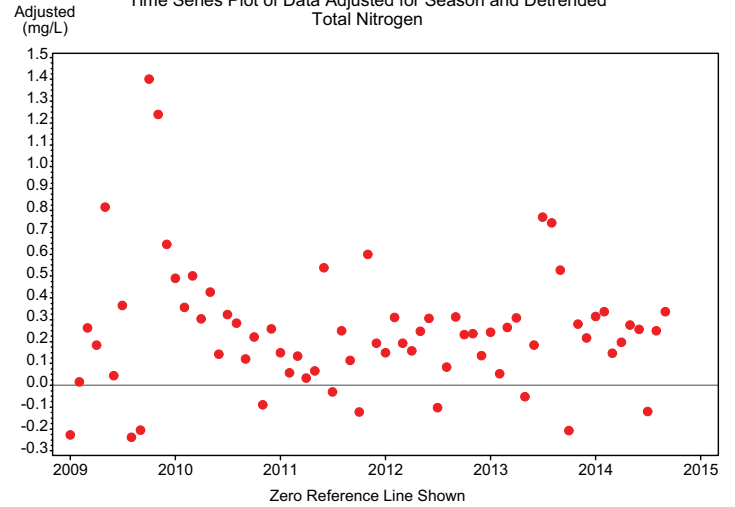
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.236	0.03	0.08	-0.049

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23636	0.029565	0.080169	-0.049

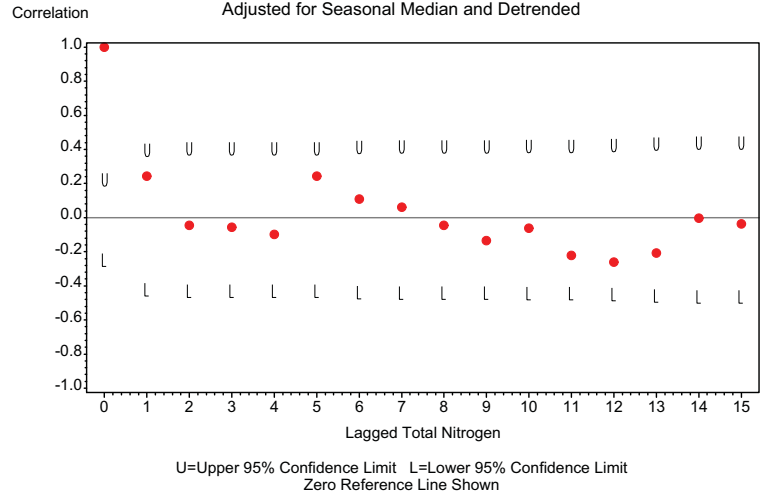
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



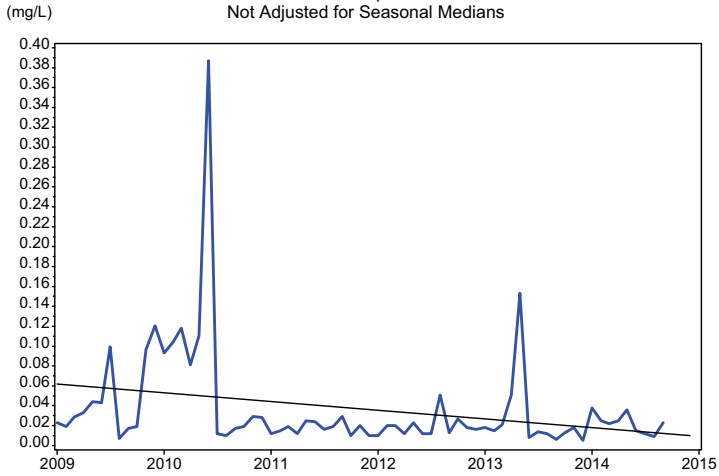
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.243	0.204	0.408	-0.408
2	-0.045	0.208	0.416	-0.416
3	-0.057	0.208	0.416	-0.416
4	-0.099	0.208	0.417	-0.417
5	0.243	0.209	0.418	-0.418
6	0.110	0.213	0.426	-0.426
7	0.062	0.214	0.428	-0.428
8	-0.046	0.214	0.428	-0.428
9	-0.136	0.214	0.428	-0.428
10	-0.063	0.215	0.431	-0.431
11	-0.222	0.216	0.431	-0.431
12	-0.260	0.219	0.437	-0.437
13	-0.207	0.223	0.446	-0.446
14	-0.003	0.226	0.451	-0.451
15	-0.036	0.226	0.451	-0.451

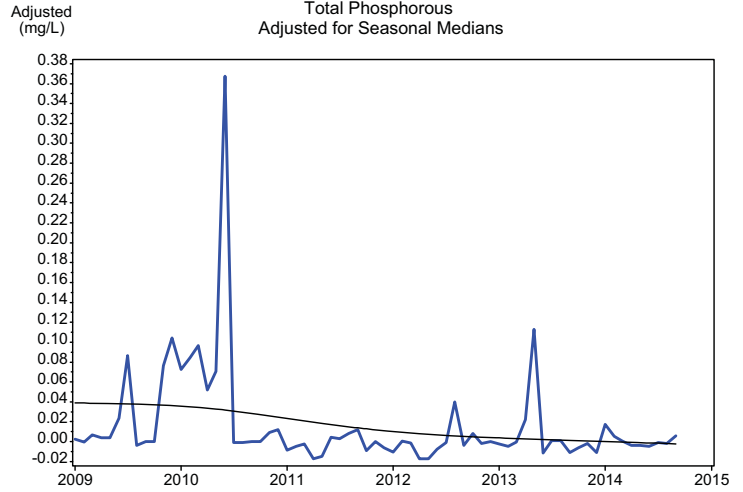
Rookery Bay East Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



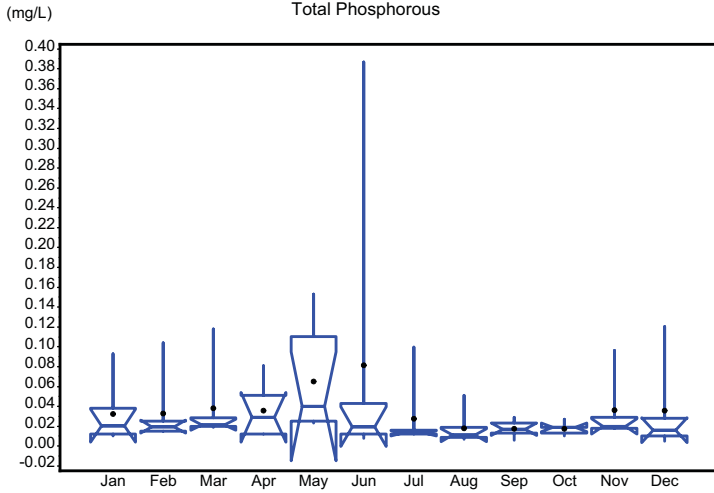
Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



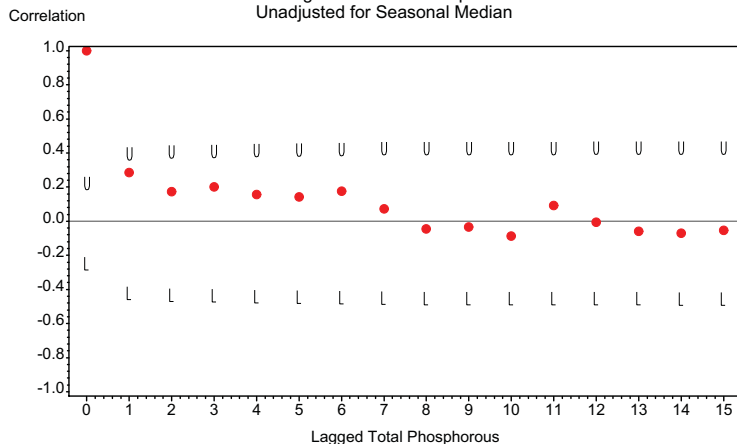
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.285	0.204	0.408	-0.408
2	0.172	0.210	0.419	-0.419
3	0.201	0.212	0.423	-0.423
4	0.155	0.214	0.428	-0.428
5	0.142	0.216	0.431	-0.431
6	0.176	0.217	0.434	-0.434
7	0.071	0.219	0.438	-0.438
8	-0.045	0.219	0.439	-0.439
9	-0.034	0.219	0.439	-0.439
10	-0.088	0.220	0.439	-0.439
11	0.093	0.220	0.440	-0.440
12	-0.006	0.221	0.441	-0.441
13	-0.058	0.221	0.441	-0.441
14	-0.071	0.221	0.442	-0.442
15	-0.054	0.221	0.442	-0.442

Rookery Bay East Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

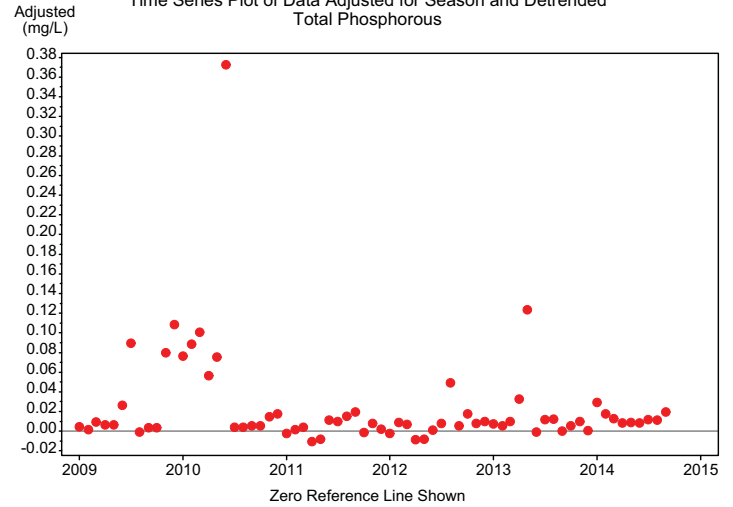
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.224	0.037	0.187	-0.002

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.22424	0.036503	0.18739	-.002

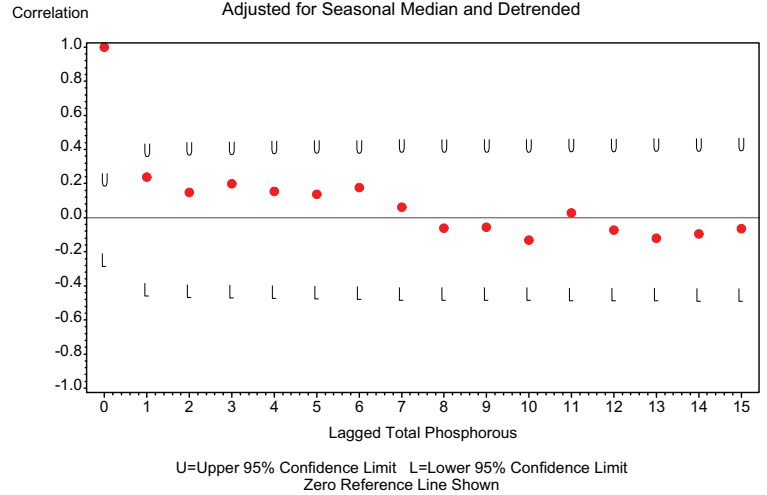
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



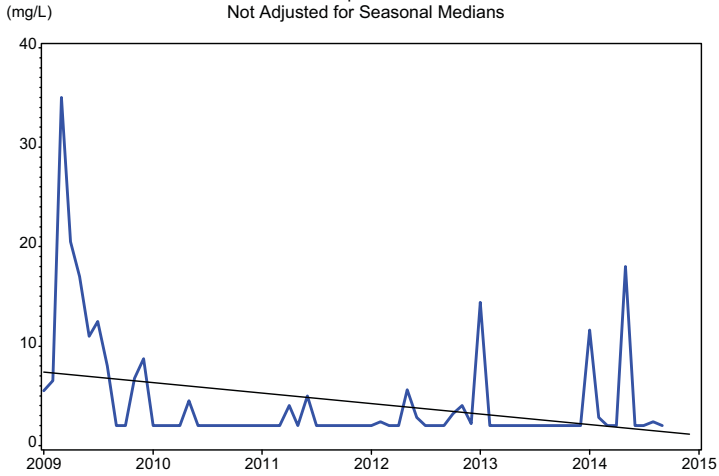
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.238	0.204	0.408	-0.408
2	0.147	0.208	0.416	-0.416
3	0.198	0.209	0.419	-0.419
4	0.153	0.212	0.424	-0.424
5	0.136	0.213	0.427	-0.427
6	0.177	0.215	0.429	-0.429
7	0.062	0.217	0.433	-0.433
8	-0.062	0.217	0.434	-0.434
9	-0.056	0.217	0.434	-0.434
10	-0.133	0.217	0.435	-0.435
11	0.027	0.219	0.437	-0.437
12	-0.072	0.219	0.437	-0.437
13	-0.122	0.219	0.438	-0.438
14	-0.095	0.220	0.440	-0.440
15	-0.065	0.220	0.441	-0.441

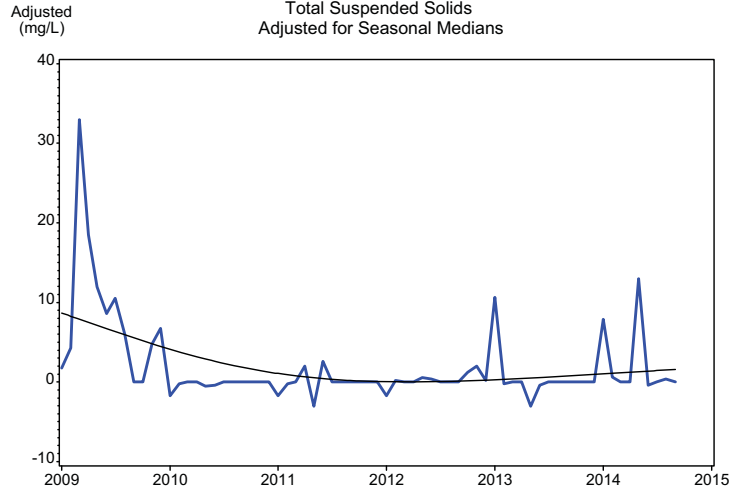
Rookery Bay East Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



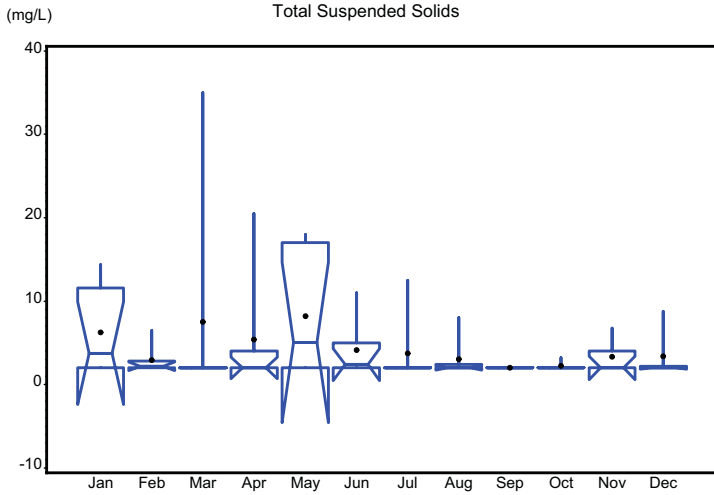
Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



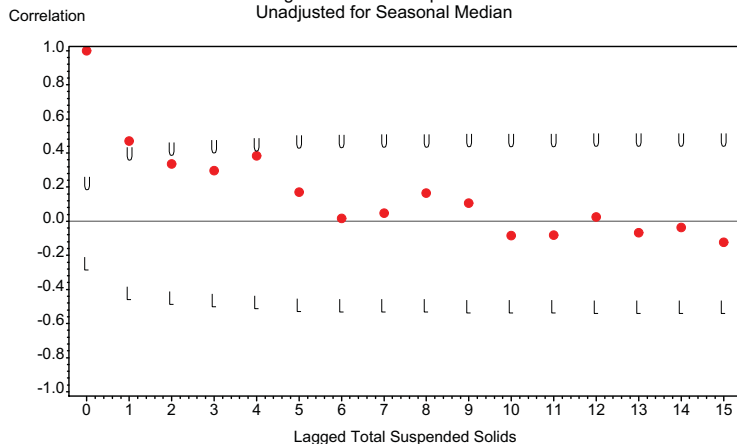
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.469	0.204	0.408	-0.408
2	0.336	0.219	0.437	-0.437
3	0.295	0.226	0.451	-0.451
4	0.383	0.231	0.462	-0.462
5	0.170	0.240	0.479	-0.479
6	0.016	0.241	0.482	-0.482
7	0.048	0.241	0.483	-0.483
8	0.164	0.241	0.483	-0.483
9	0.106	0.243	0.486	-0.486
10	-0.084	0.244	0.487	-0.487
11	-0.083	0.244	0.488	-0.488
12	0.026	0.244	0.489	-0.489
13	-0.068	0.244	0.489	-0.489
14	-0.038	0.245	0.489	-0.489
15	-0.125	0.245	0.489	-0.489

Rookery Bay East Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

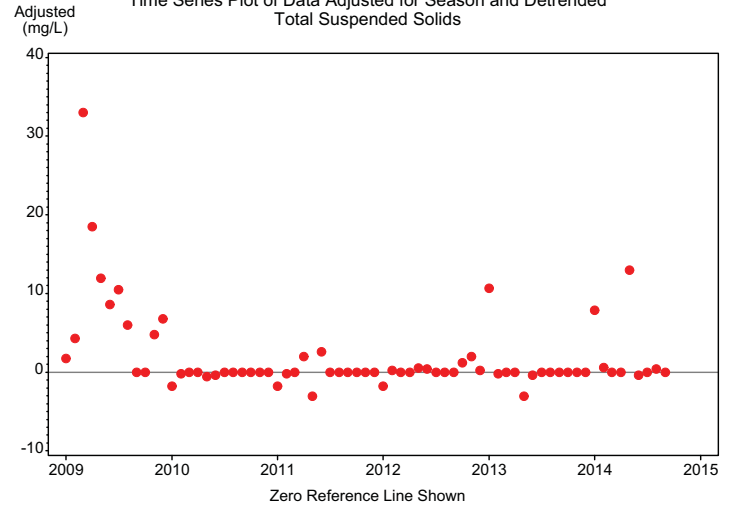
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.158	0.076	0.434	0

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.15758	0.075622	0.43421	0

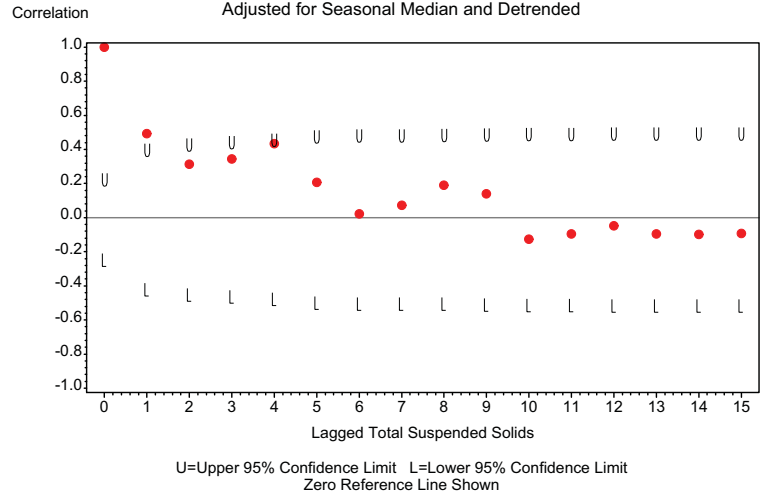
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



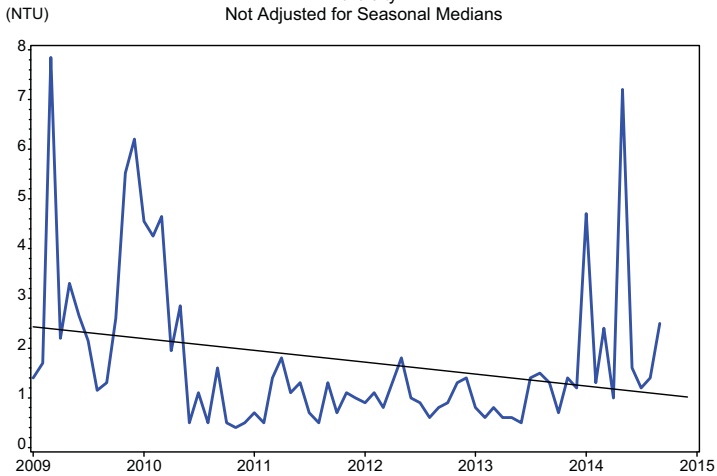
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.491	0.204	0.408	-0.408
2	0.314	0.220	0.440	-0.440
3	0.343	0.226	0.452	-0.452
4	0.433	0.233	0.466	-0.466
5	0.208	0.244	0.488	-0.488
6	0.022	0.247	0.493	-0.493
7	0.073	0.247	0.493	-0.493
8	0.189	0.247	0.494	-0.494
9	0.139	0.249	0.498	-0.498
10	-0.126	0.250	0.500	-0.500
11	-0.095	0.251	0.502	-0.502
12	-0.048	0.251	0.503	-0.503
13	-0.096	0.251	0.503	-0.503
14	-0.098	0.252	0.504	-0.504
15	-0.092	0.252	0.505	-0.505

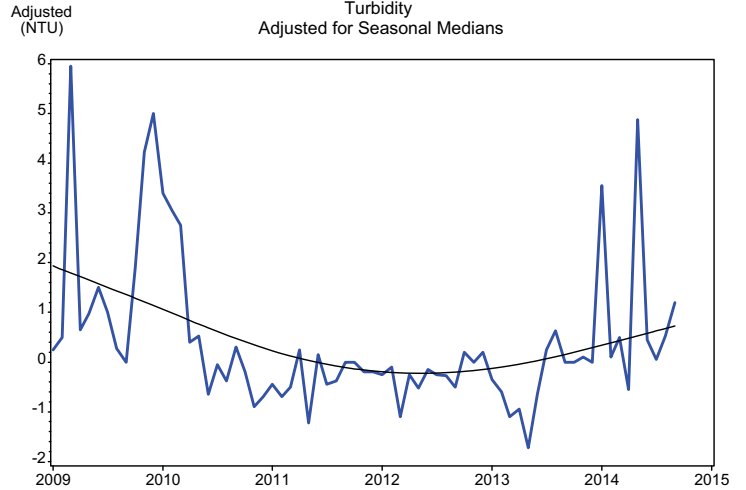
Rookery Bay East Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



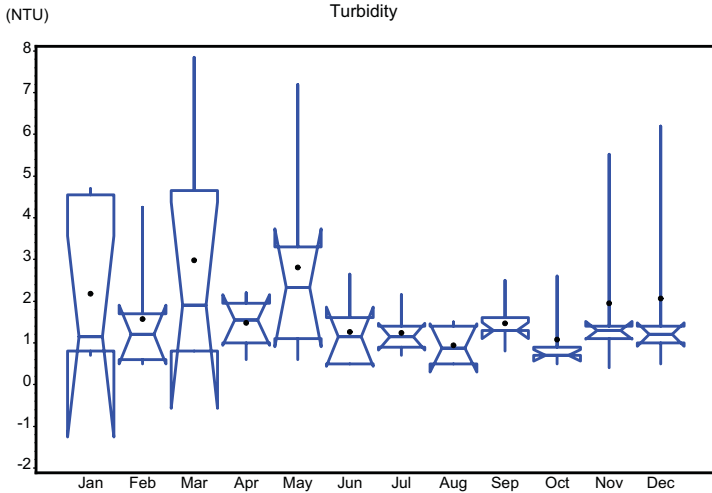
Rookery Bay East Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



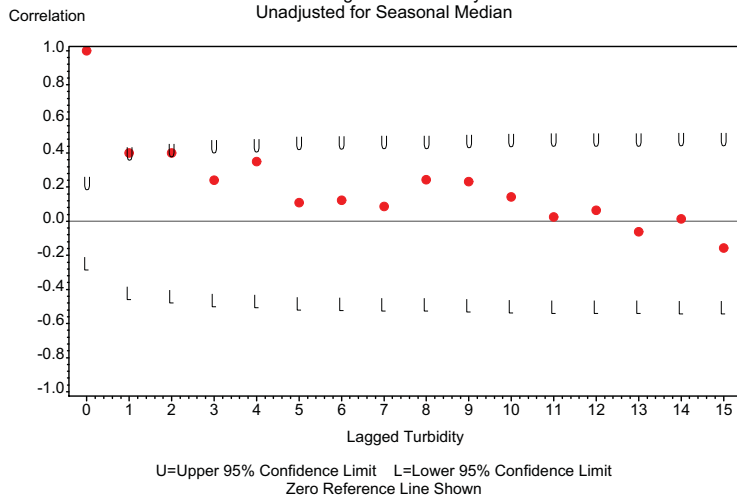
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Turbidity



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.399	0.204	0.408	-0.408
2	0.400	0.215	0.429	-0.429
3	0.240	0.225	0.450	-0.450
4	0.350	0.228	0.457	-0.457
5	0.110	0.236	0.471	-0.471
6	0.123	0.236	0.473	-0.473
7	0.085	0.237	0.475	-0.475
8	0.242	0.238	0.475	-0.475
9	0.231	0.241	0.482	-0.482
10	0.143	0.244	0.488	-0.488
11	0.024	0.245	0.491	-0.491
12	0.065	0.245	0.491	-0.491
13	-0.062	0.246	0.491	-0.491
14	0.013	0.246	0.492	-0.492
15	-0.157	0.246	0.492	-0.492

Rookery Bay East Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



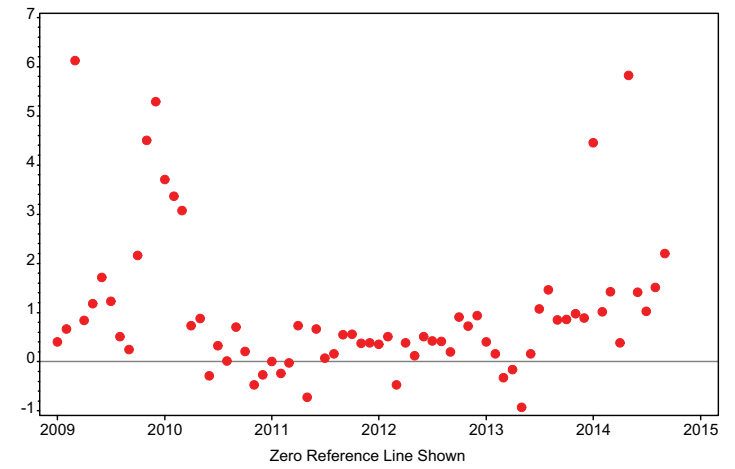
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.121	0.271	0.589	-0.15

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12121	0.27052	0.58900	-0.15

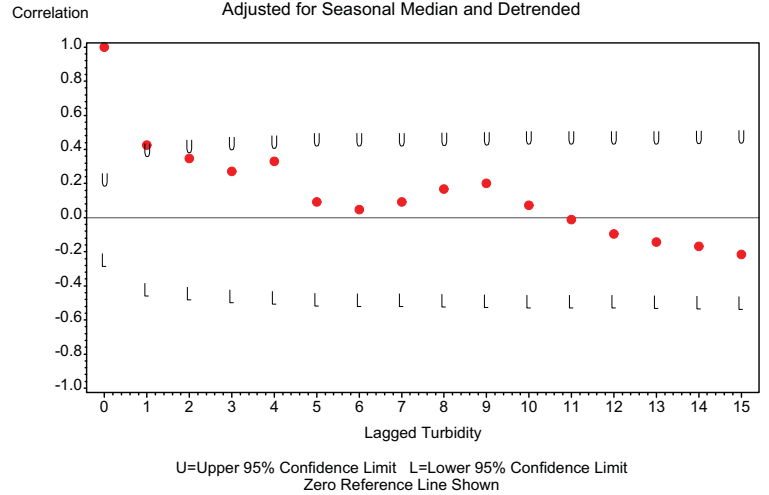
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



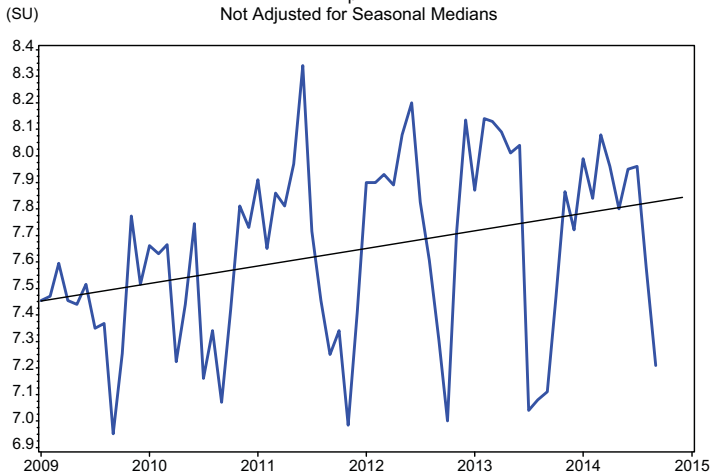
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.425	0.204	0.408	-0.408
2	0.347	0.216	0.432	-0.432
3	0.271	0.224	0.447	-0.447
4	0.329	0.228	0.456	-0.456
5	0.092	0.235	0.469	-0.469
6	0.047	0.235	0.470	-0.470
7	0.093	0.235	0.471	-0.471
8	0.168	0.236	0.472	-0.472
9	0.200	0.237	0.475	-0.475
10	0.071	0.240	0.480	-0.480
11	-0.011	0.240	0.480	-0.480
12	-0.097	0.240	0.480	-0.480
13	-0.144	0.241	0.481	-0.481
14	-0.168	0.242	0.484	-0.484
15	-0.216	0.243	0.487	-0.487

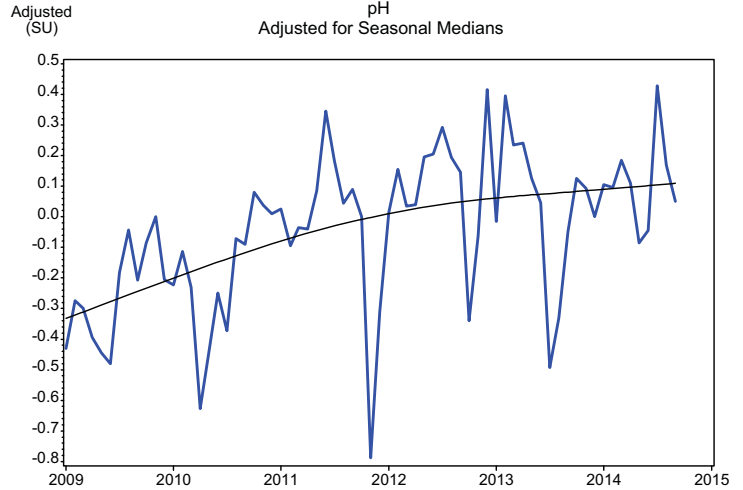
Rookery Bay East Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



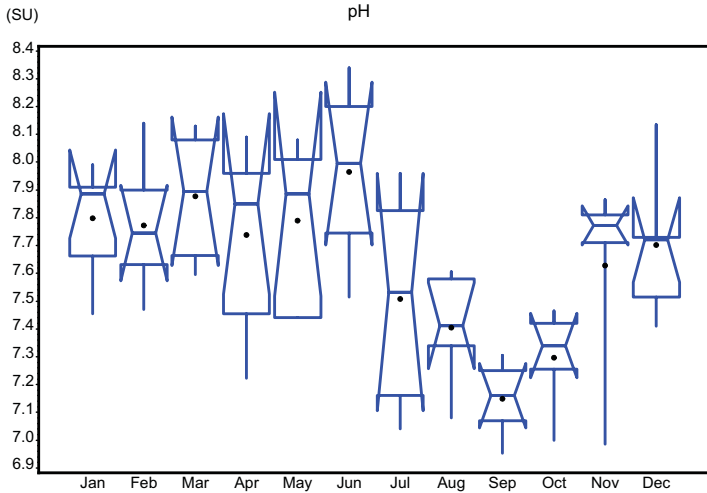
Rookery Bay East Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



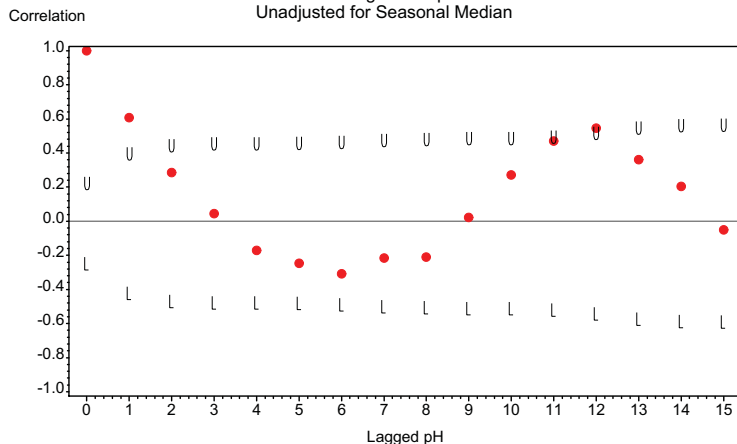
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
pH



Rookery Bay East Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.607	0.204	0.408	-0.408
2	0.286	0.228	0.456	-0.456
3	0.045	0.233	0.466	-0.466
4	-0.172	0.233	0.466	-0.466
5	-0.246	0.235	0.469	-0.469
6	-0.308	0.238	0.476	-0.476
7	-0.217	0.244	0.487	-0.487
8	-0.210	0.246	0.493	-0.493
9	0.023	0.249	0.498	-0.498
10	0.272	0.249	0.498	-0.498
11	0.469	0.253	0.506	-0.506
12	0.546	0.265	0.530	-0.530
13	0.361	0.280	0.560	-0.560
14	0.203	0.286	0.573	-0.573
15	-0.051	0.288	0.577	-0.577

Rookery Bay East Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

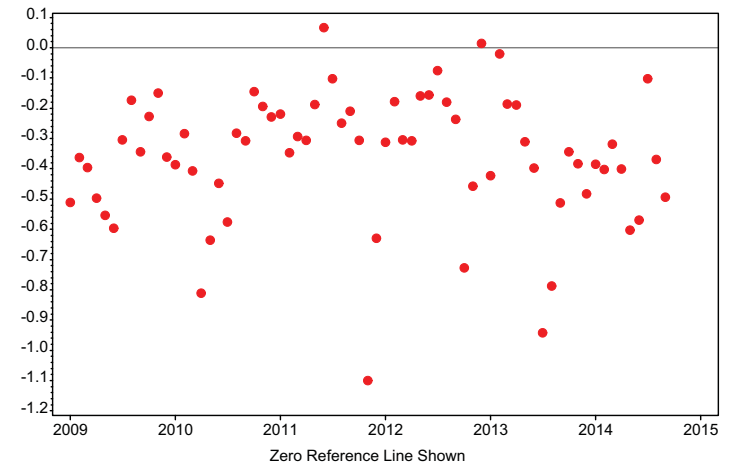
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.448	0	0.041	0.082

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.44849	.000028491	0.040518	0.081667

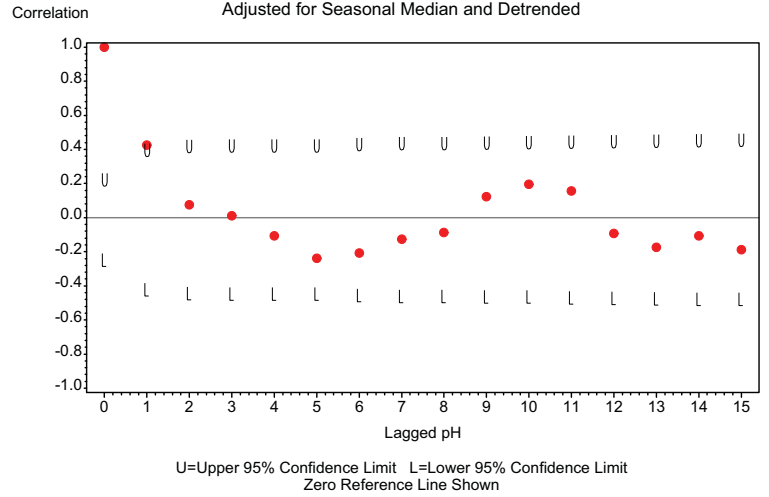
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



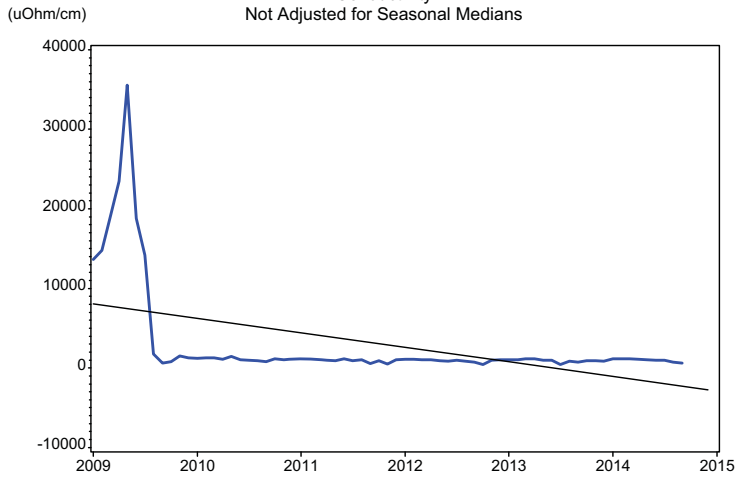
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.425	0.204	0.408	-0.408
2	0.076	0.216	0.432	-0.432
3	0.010	0.216	0.433	-0.433
4	-0.106	0.216	0.433	-0.433
5	-0.239	0.217	0.434	-0.434
6	-0.209	0.221	0.442	-0.442
7	-0.126	0.224	0.447	-0.447
8	-0.086	0.225	0.449	-0.449
9	0.124	0.225	0.450	-0.450
10	0.196	0.226	0.452	-0.452
11	0.155	0.228	0.457	-0.457
12	-0.093	0.230	0.459	-0.459
13	-0.175	0.230	0.461	-0.461
14	-0.107	0.232	0.464	-0.464
15	-0.188	0.233	0.466	-0.466

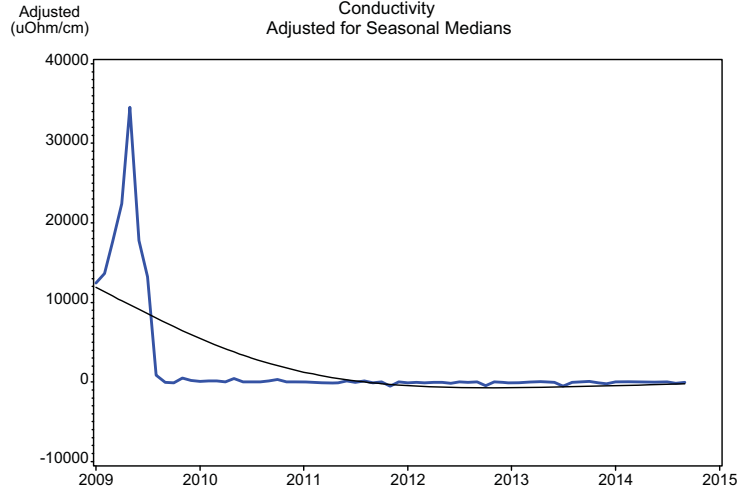
Rookery Bay East Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



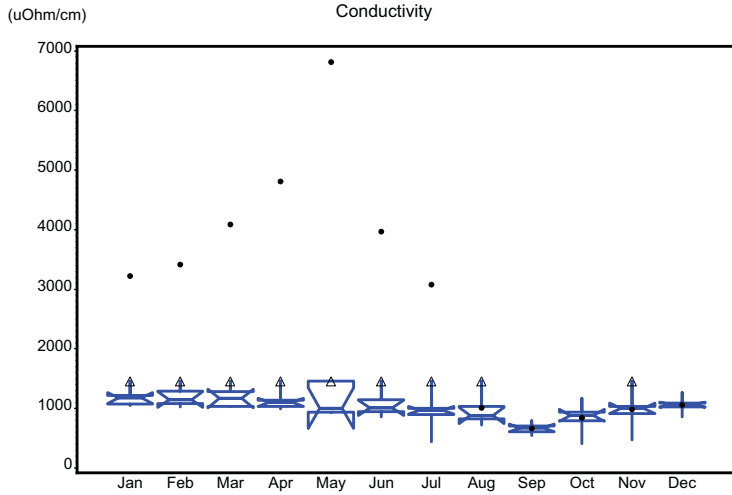
Rookery Bay East Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



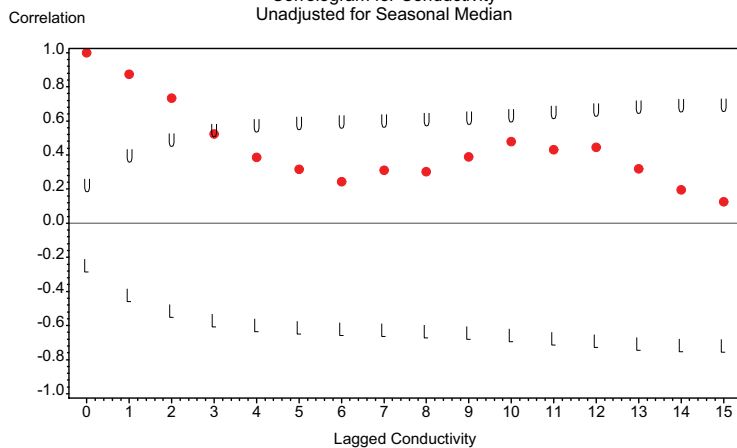
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Conductivity



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.874	0.204	0.408	-0.408
2	0.732	0.251	0.502	-0.502
3	0.524	0.279	0.558	-0.558
4	0.386	0.292	0.585	-0.585
5	0.317	0.299	0.599	-0.599
6	0.243	0.304	0.608	-0.608
7	0.311	0.307	0.613	-0.613
8	0.303	0.311	0.622	-0.622
9	0.390	0.315	0.630	-0.630
10	0.477	0.322	0.643	-0.643
11	0.430	0.331	0.663	-0.663
12	0.444	0.339	0.678	-0.678
13	0.319	0.347	0.694	-0.694
14	0.195	0.351	0.702	-0.702
15	0.125	0.353	0.705	-0.705

Rookery Bay East Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

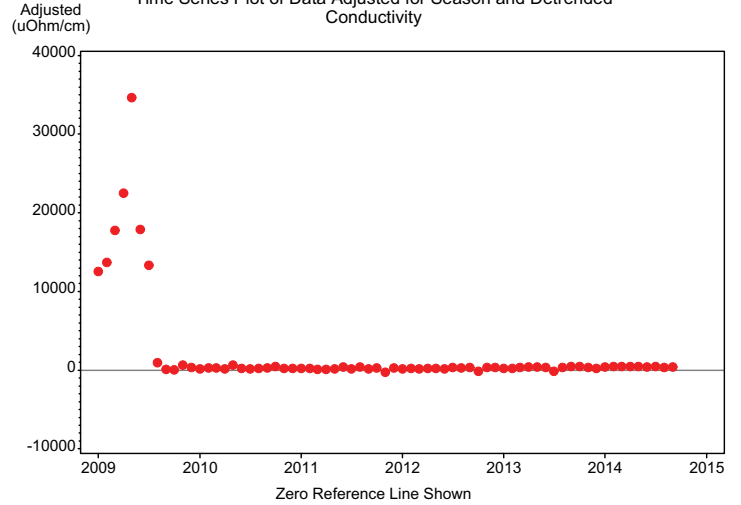
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.467	0	0.067	-72.084

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.46667	.000013649	0.066742	-72.0835

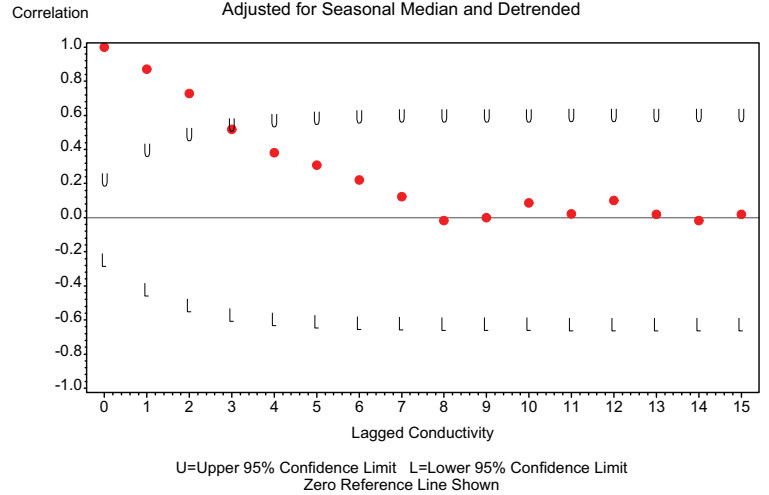
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



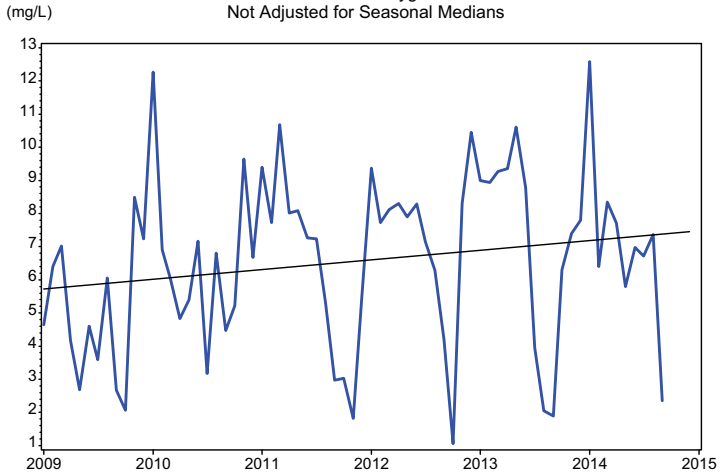
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.871	0.204	0.408	-0.408
2	0.728	0.250	0.501	-0.501
3	0.517	0.278	0.557	-0.557
4	0.380	0.291	0.583	-0.583
5	0.307	0.298	0.596	-0.596
6	0.221	0.303	0.605	-0.605
7	0.122	0.305	0.609	-0.609
8	-0.017	0.305	0.611	-0.611
9	-0.001	0.305	0.611	-0.611
10	0.086	0.305	0.611	-0.611
11	0.022	0.306	0.612	-0.612
12	0.099	0.306	0.612	-0.612
13	0.019	0.306	0.612	-0.612
14	-0.016	0.306	0.612	-0.612
15	0.020	0.306	0.613	-0.613

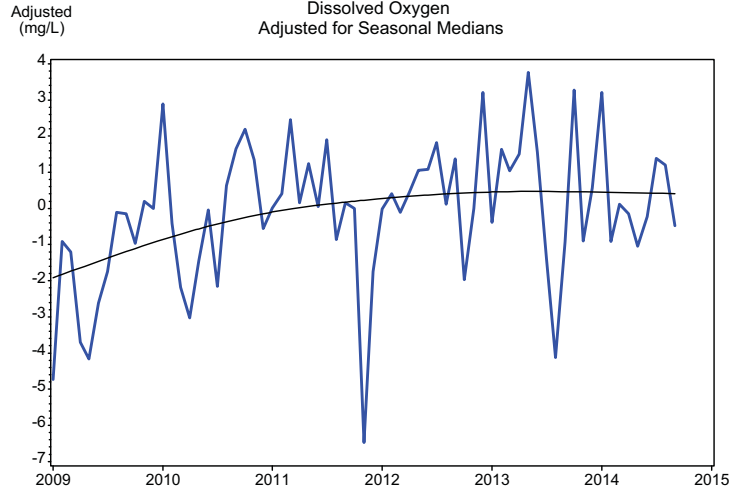
Rookery Bay East Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



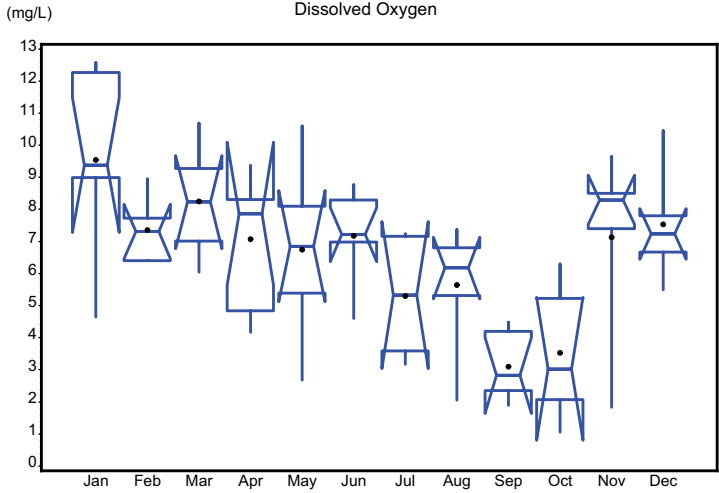
Rookery Bay East Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



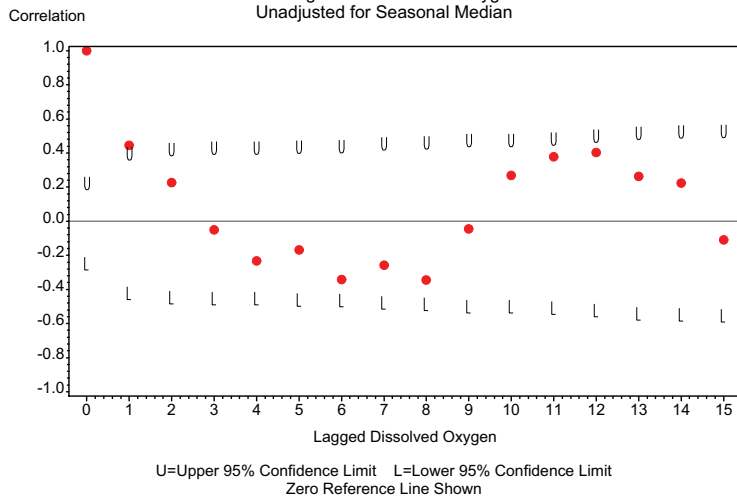
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.445	0.204	0.408	-0.408
2	0.226	0.217	0.434	-0.434
3	-0.050	0.220	0.441	-0.441
4	-0.233	0.221	0.441	-0.441
5	-0.168	0.224	0.448	-0.448
6	-0.342	0.226	0.451	-0.451
7	-0.258	0.233	0.466	-0.466
8	-0.345	0.237	0.473	-0.473
9	-0.046	0.244	0.487	-0.487
10	0.267	0.244	0.487	-0.487
11	0.377	0.248	0.495	-0.495
12	0.402	0.256	0.511	-0.511
13	0.264	0.264	0.528	-0.528
14	0.224	0.268	0.536	-0.536
15	-0.111	0.270	0.541	-0.541

Rookery Bay East Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



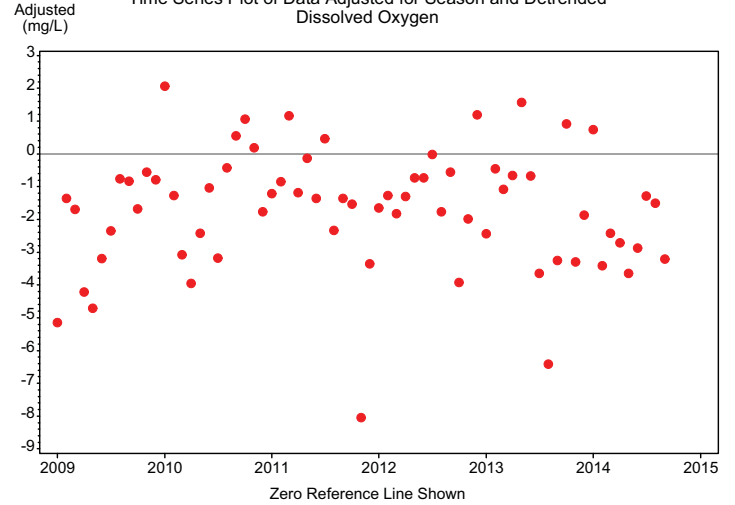
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.218	0.045	0.155	0.411

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.21818	0.044709	0.15509	0.411

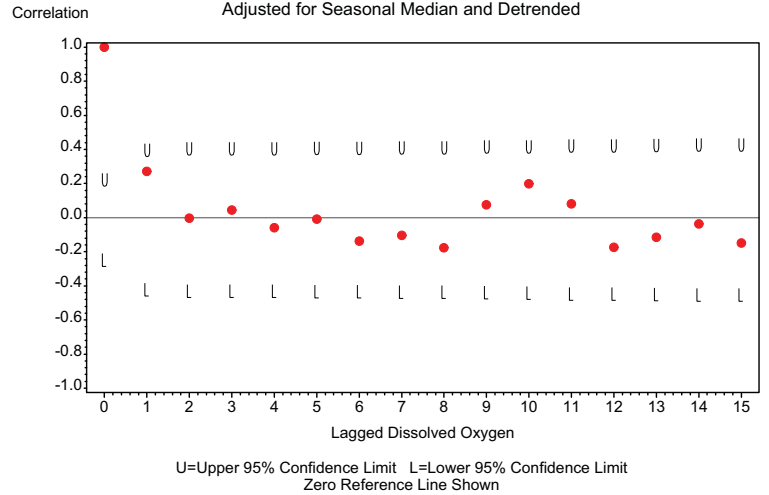
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



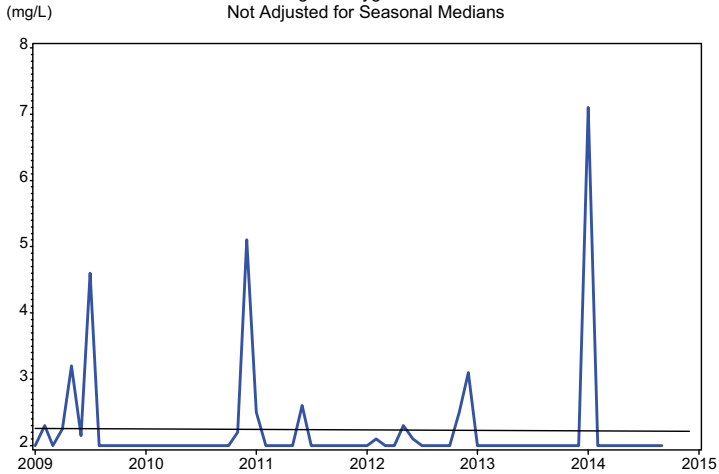
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.272	0.204	0.408	-0.408
2	-0.002	0.209	0.418	-0.418
3	0.043	0.209	0.418	-0.418
4	-0.060	0.209	0.418	-0.418
5	-0.008	0.209	0.419	-0.419
6	-0.139	0.209	0.419	-0.419
7	-0.105	0.211	0.422	-0.422
8	-0.178	0.211	0.423	-0.423
9	0.074	0.214	0.427	-0.427
10	0.197	0.214	0.428	-0.428
11	0.080	0.216	0.433	-0.433
12	-0.174	0.217	0.434	-0.434
13	-0.114	0.219	0.437	-0.437
14	-0.036	0.220	0.439	-0.439
15	-0.149	0.220	0.439	-0.439

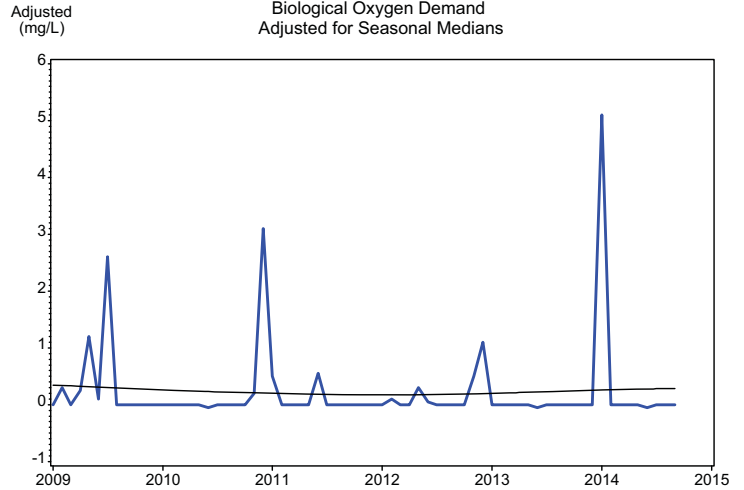
Rookery Bay East Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



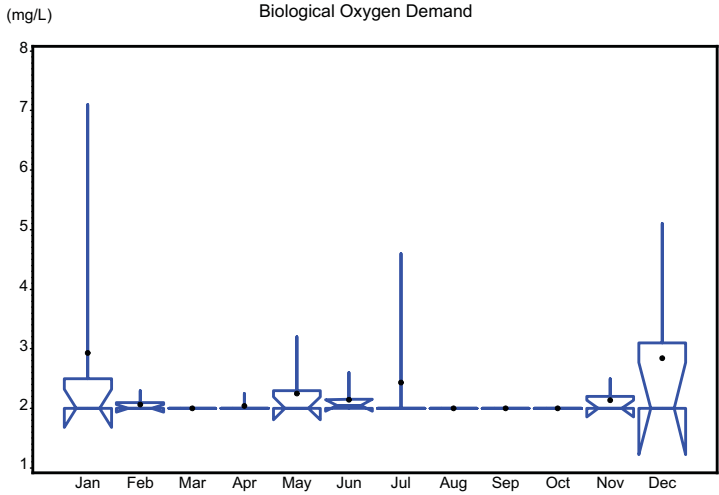
Rookery Bay East Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



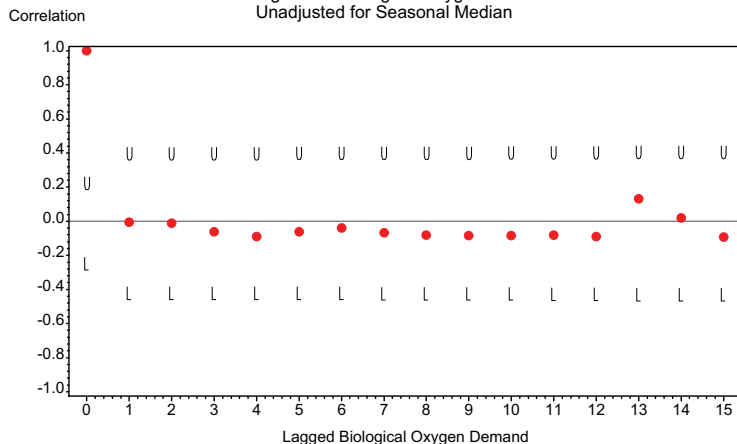
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.007	0.204	0.408	-0.408
2	-0.011	0.204	0.408	-0.408
3	-0.063	0.204	0.408	-0.408
4	-0.091	0.204	0.409	-0.409
5	-0.062	0.205	0.410	-0.410
6	-0.039	0.205	0.410	-0.410
7	-0.068	0.205	0.411	-0.411
8	-0.081	0.206	0.411	-0.411
9	-0.085	0.206	0.412	-0.412
10	-0.084	0.207	0.413	-0.413
11	-0.083	0.207	0.414	-0.414
12	-0.090	0.208	0.415	-0.415
13	0.131	0.208	0.416	-0.416
14	0.018	0.209	0.418	-0.418
15	-0.092	0.209	0.418	-0.418

Rookery Bay East Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

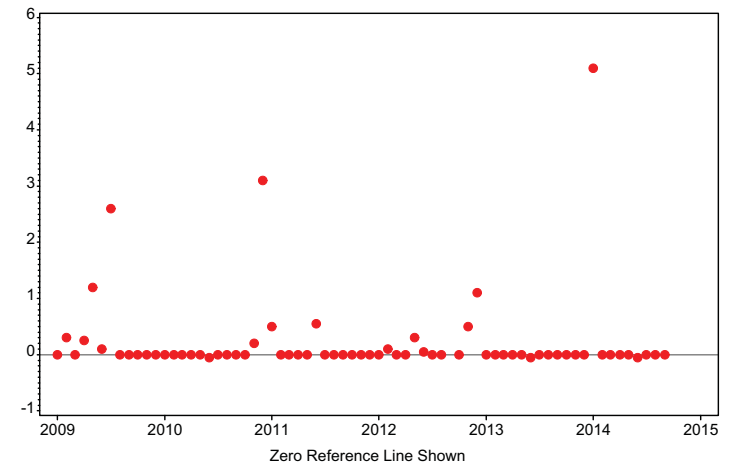
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.131	0.083	0.207	0

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.13125	0.082879	0.20741	0

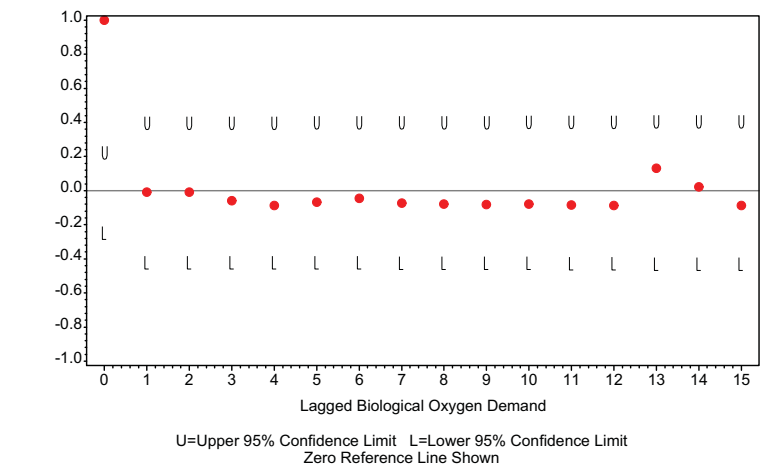
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



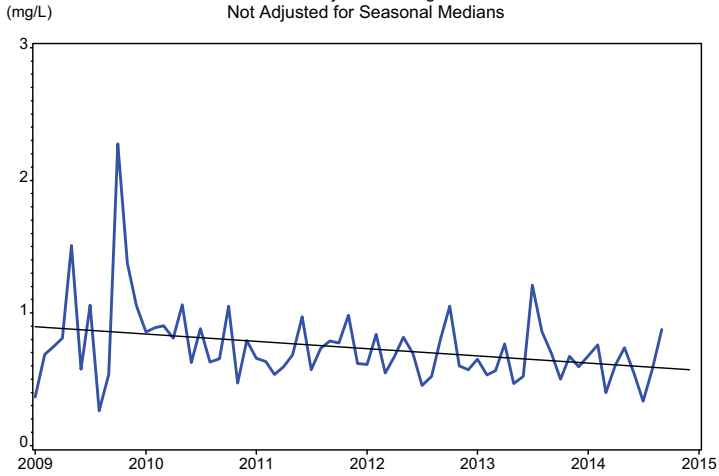
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.009	0.204	0.408	-0.408
2	-0.008	0.204	0.408	-0.408
3	-0.060	0.204	0.408	-0.408
4	-0.088	0.204	0.409	-0.409
5	-0.067	0.205	0.410	-0.410
6	-0.046	0.205	0.410	-0.410
7	-0.074	0.205	0.411	-0.411
8	-0.078	0.206	0.411	-0.411
9	-0.081	0.206	0.412	-0.412
10	-0.080	0.207	0.413	-0.413
11	-0.085	0.207	0.414	-0.414
12	-0.088	0.207	0.415	-0.415
13	0.132	0.208	0.416	-0.416
14	0.022	0.209	0.418	-0.418
15	-0.088	0.209	0.418	-0.418

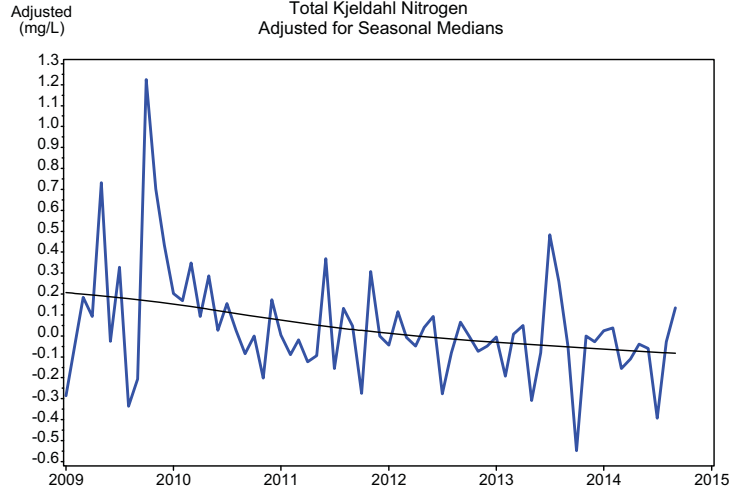
Rookery Bay East Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



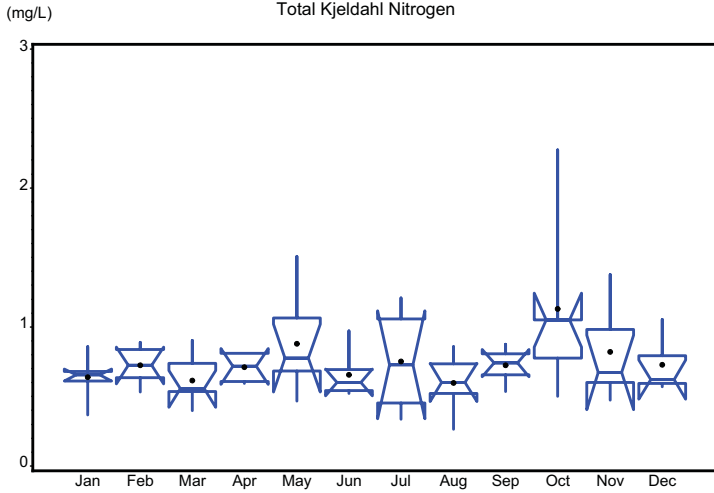
Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



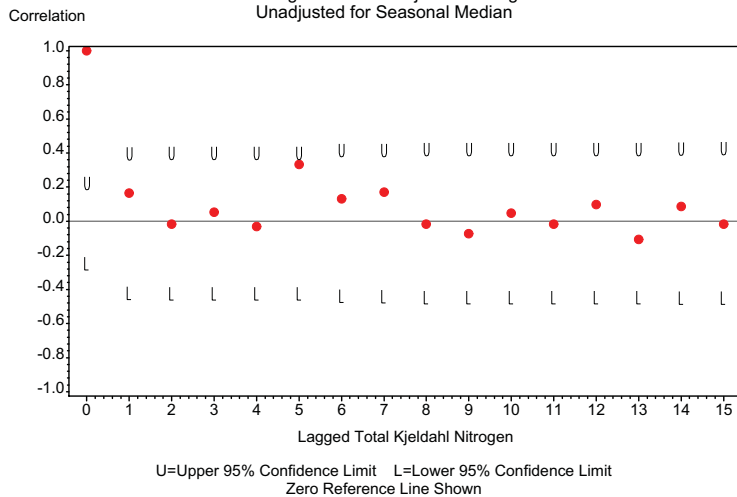
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.164	0.204	0.408	-0.408
2	-0.016	0.206	0.412	-0.412
3	0.054	0.206	0.412	-0.412
4	-0.030	0.206	0.412	-0.412
5	0.332	0.206	0.412	-0.412
6	0.130	0.214	0.427	-0.427
7	0.169	0.215	0.429	-0.429
8	-0.017	0.216	0.433	-0.433
9	-0.073	0.216	0.433	-0.433
10	0.048	0.217	0.434	-0.434
11	-0.018	0.217	0.434	-0.434
12	0.097	0.217	0.434	-0.434
13	-0.106	0.218	0.435	-0.435
14	0.087	0.218	0.437	-0.437
15	-0.016	0.219	0.438	-0.438

Rookery Bay East Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



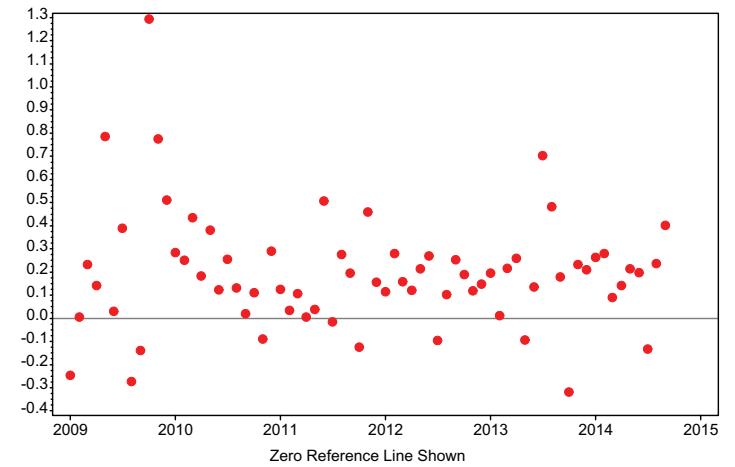
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.206	0.058	0.065	-0.04

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.2	0.066011	0.076493	-0.04

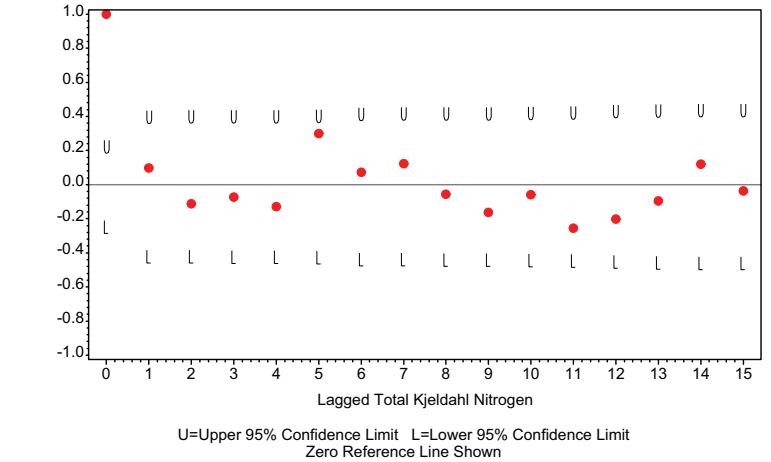
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



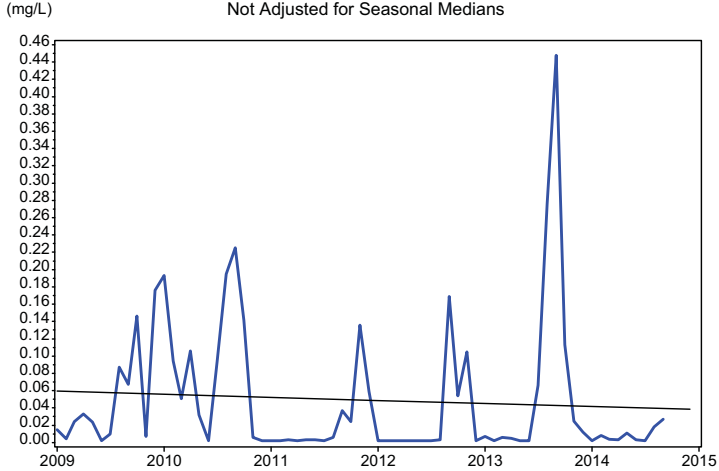
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.098	0.204	0.408	-0.408
2	-0.113	0.205	0.410	-0.410
3	-0.072	0.206	0.411	-0.411
4	-0.128	0.206	0.412	-0.412
5	0.298	0.207	0.414	-0.414
6	0.071	0.213	0.426	-0.426
7	0.122	0.213	0.427	-0.427
8	-0.057	0.214	0.428	-0.428
9	-0.163	0.214	0.429	-0.429
10	-0.059	0.216	0.432	-0.432
11	-0.254	0.216	0.433	-0.433
12	-0.202	0.220	0.441	-0.441
13	-0.095	0.223	0.446	-0.446
14	0.120	0.224	0.447	-0.447
15	-0.036	0.225	0.449	-0.449

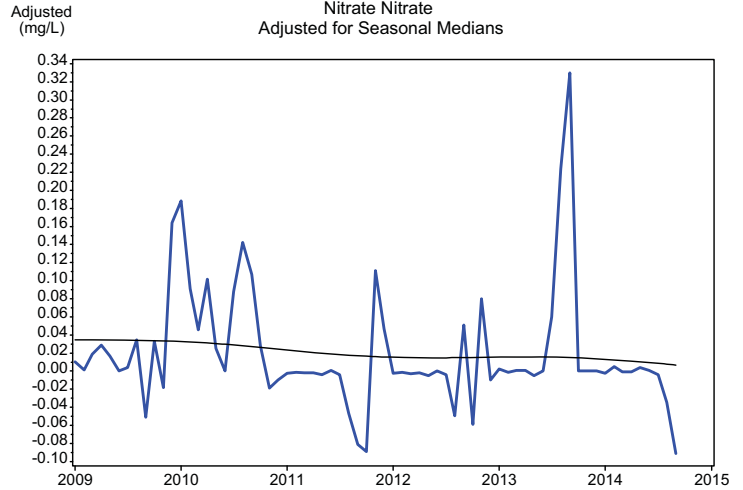
Rookery Bay East Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



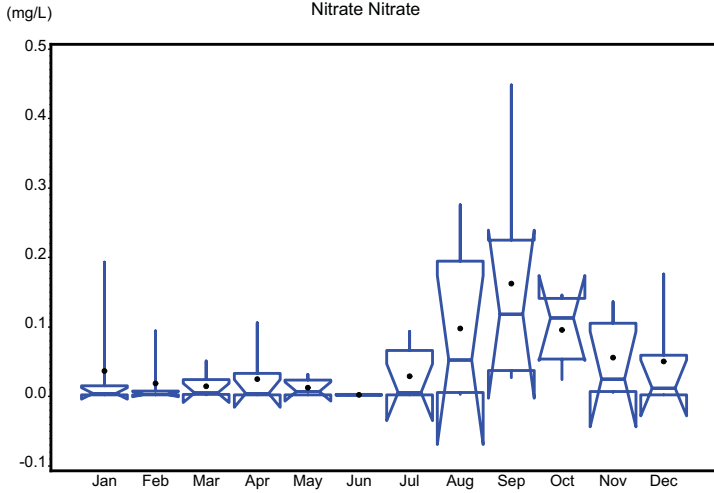
Rookery Bay East Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



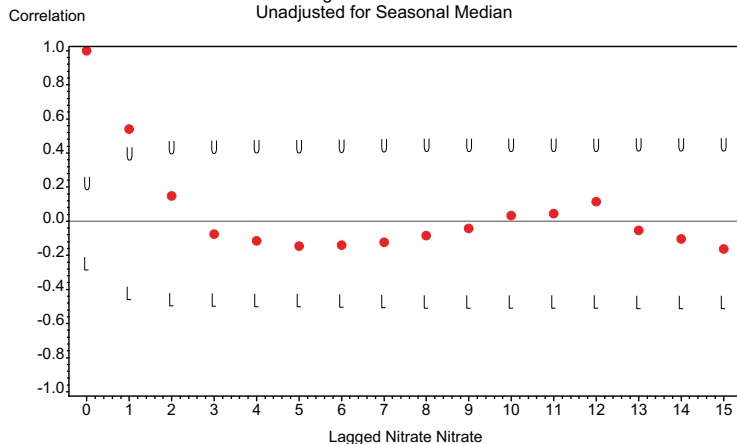
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.541	0.204	0.408	-0.408
2	0.149	0.223	0.446	-0.446
3	-0.076	0.225	0.449	-0.449
4	-0.115	0.225	0.450	-0.450
5	-0.147	0.226	0.451	-0.451
6	-0.140	0.227	0.454	-0.454
7	-0.125	0.228	0.456	-0.456
8	-0.085	0.229	0.458	-0.458
9	-0.043	0.230	0.459	-0.459
10	0.032	0.230	0.459	-0.459
11	0.044	0.230	0.460	-0.460
12	0.113	0.230	0.460	-0.460
13	-0.054	0.231	0.461	-0.461
14	-0.104	0.231	0.462	-0.462
15	-0.163	0.232	0.463	-0.463

Rookery Bay East Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

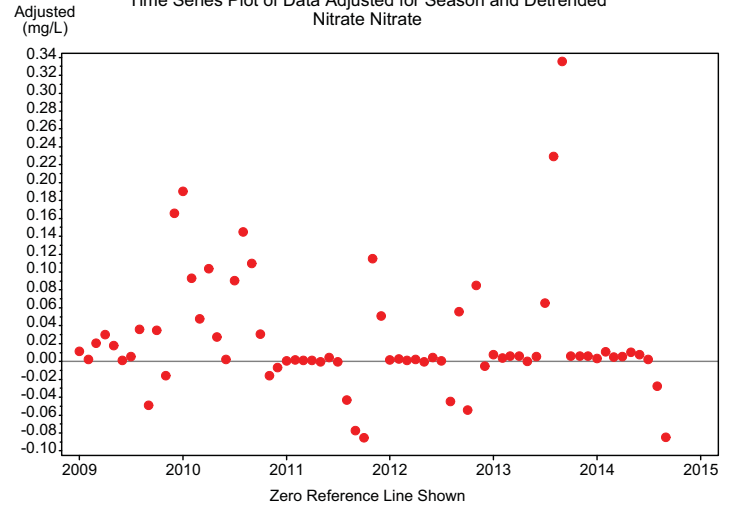
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.182	0.084	0.355	-0.001

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.18182	0.083815	0.35540	-.001

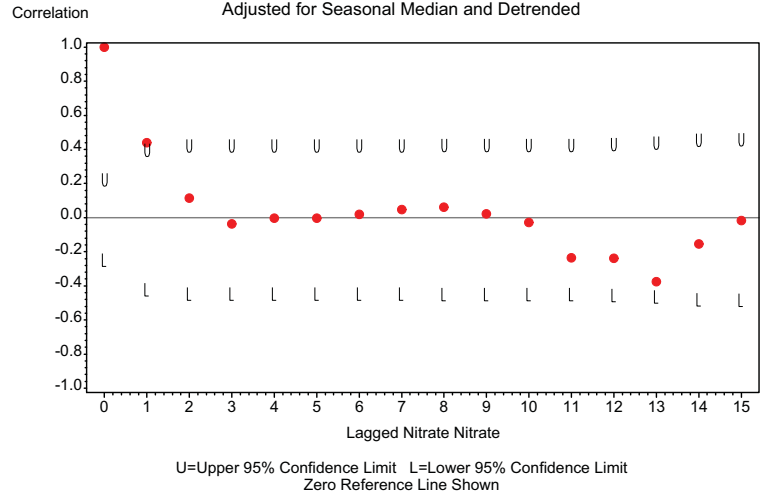
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



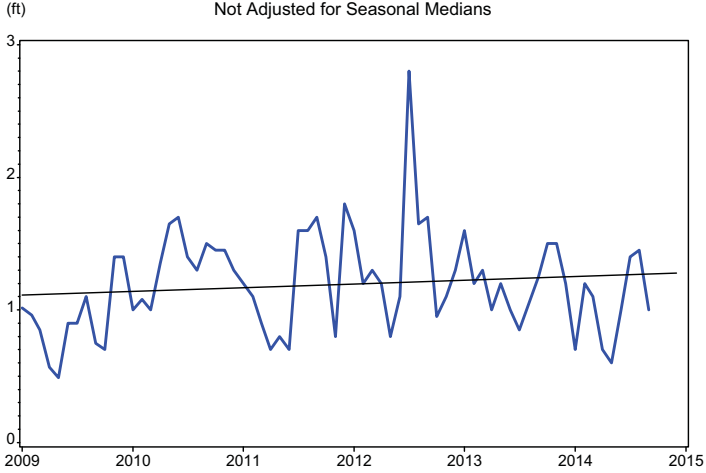
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.438	0.204	0.408	-0.408
2	0.114	0.217	0.434	-0.434
3	-0.038	0.218	0.435	-0.435
4	-0.004	0.218	0.435	-0.435
5	-0.004	0.218	0.435	-0.435
6	0.018	0.218	0.435	-0.435
7	0.047	0.218	0.435	-0.435
8	0.060	0.218	0.436	-0.436
9	0.021	0.218	0.436	-0.436
10	-0.028	0.218	0.436	-0.436
11	-0.235	0.218	0.436	-0.436
12	-0.239	0.222	0.443	-0.443
13	-0.376	0.225	0.451	-0.451
14	-0.154	0.234	0.468	-0.468
15	-0.018	0.235	0.470	-0.470

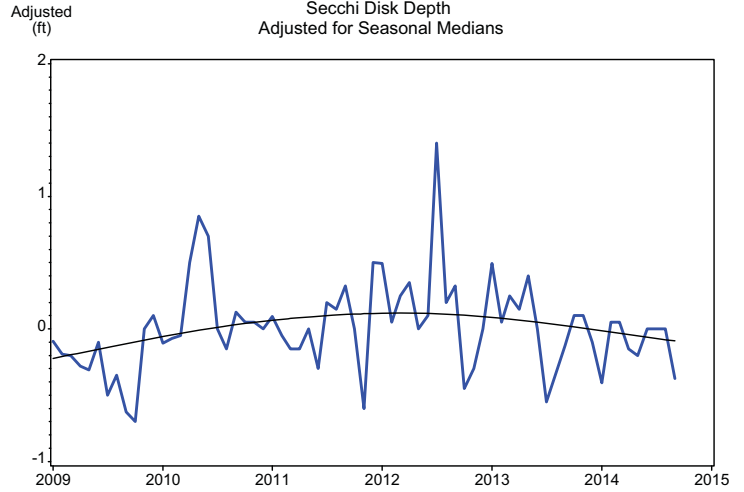
Rookery Bay East Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



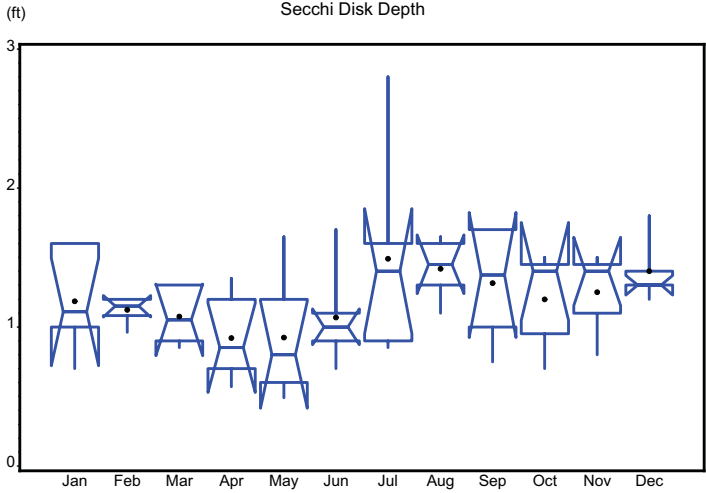
Rookery Bay East Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



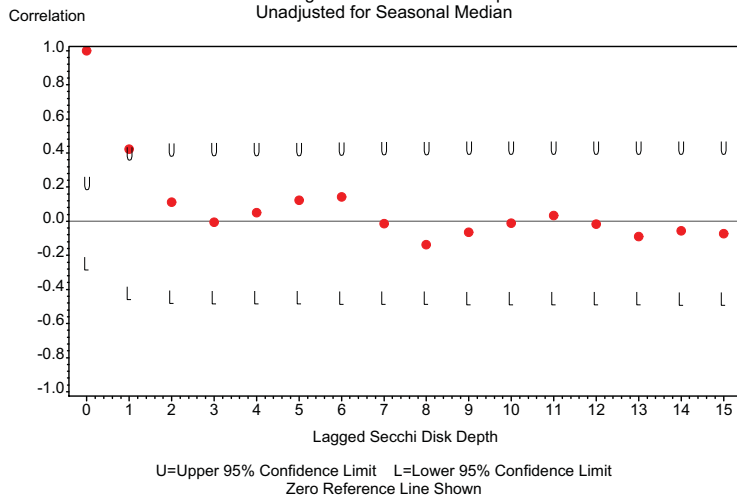
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.423	0.204	0.408	-0.408
2	0.112	0.216	0.432	-0.432
3	-0.007	0.217	0.434	-0.434
4	0.051	0.217	0.434	-0.434
5	0.122	0.217	0.434	-0.434
6	0.141	0.218	0.436	-0.436
7	-0.014	0.219	0.438	-0.438
8	-0.137	0.219	0.438	-0.438
9	-0.066	0.220	0.441	-0.441
10	-0.012	0.221	0.441	-0.441
11	0.032	0.221	0.441	-0.441
12	-0.018	0.221	0.441	-0.441
13	-0.089	0.221	0.441	-0.441
14	-0.056	0.221	0.442	-0.442
15	-0.073	0.221	0.443	-0.443

Rookery Bay East Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



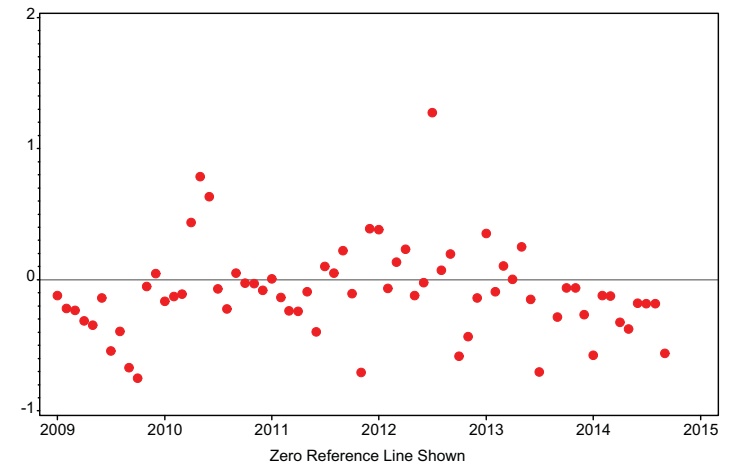
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.194	0.074	0.332	0.028

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.19375	0.073852	0.33166	0.028

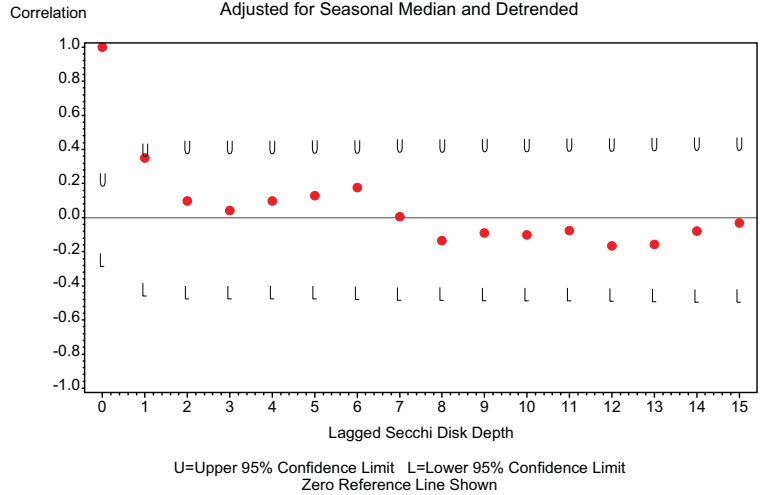
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



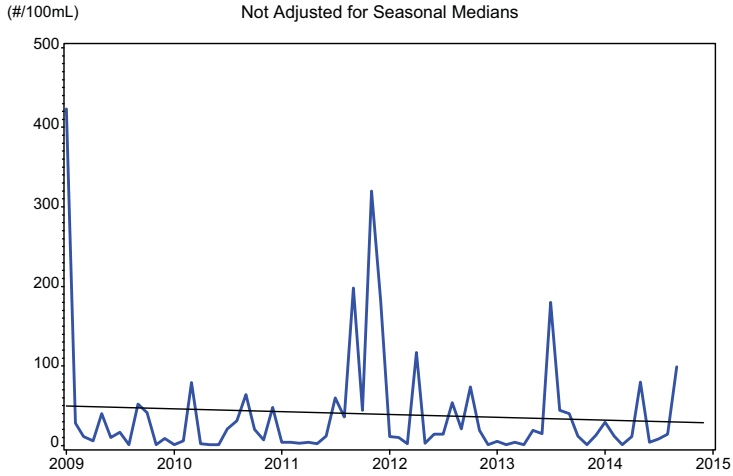
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.350	0.204	0.408	-0.408
2	0.097	0.212	0.425	-0.425
3	0.041	0.213	0.426	-0.426
4	0.098	0.213	0.426	-0.426
5	0.129	0.214	0.427	-0.427
6	0.176	0.215	0.429	-0.429
7	0.005	0.217	0.433	-0.433
8	-0.134	0.217	0.433	-0.433
9	-0.091	0.218	0.436	-0.436
10	-0.102	0.218	0.437	-0.437
11	-0.075	0.219	0.438	-0.438
12	-0.167	0.219	0.439	-0.439
13	-0.156	0.221	0.442	-0.442
14	-0.079	0.223	0.445	-0.445
15	-0.032	0.223	0.446	-0.446

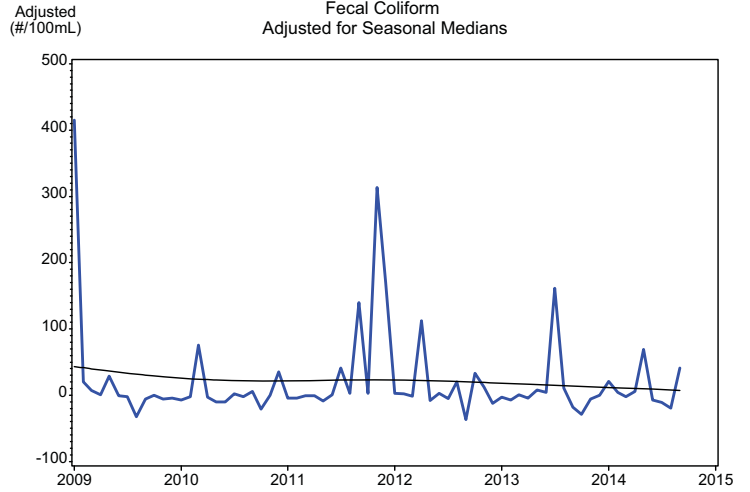
Rookery Bay East Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



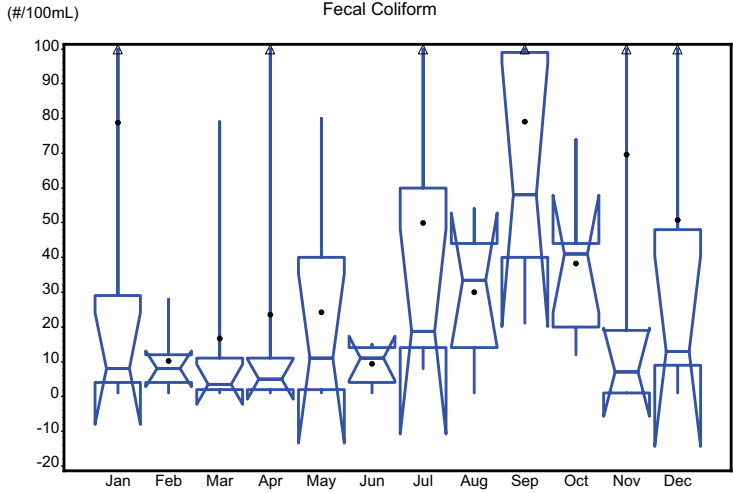
Rookery Bay East Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Rookery Bay East Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



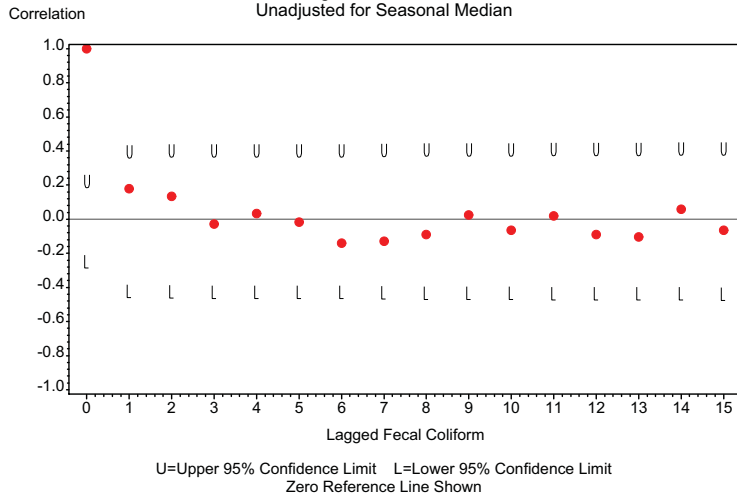
Rookery Bay East Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Rookery Bay East Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.179	0.204	0.408	-0.408
2	0.135	0.206	0.413	-0.413
3	-0.029	0.208	0.415	-0.415
4	0.032	0.208	0.415	-0.415
5	-0.018	0.208	0.415	-0.415
6	-0.140	0.208	0.415	-0.415
7	-0.130	0.209	0.418	-0.418
8	-0.091	0.210	0.420	-0.420
9	0.025	0.211	0.421	-0.421
10	-0.065	0.211	0.421	-0.421
11	0.020	0.211	0.422	-0.422
12	-0.090	0.211	0.422	-0.422
13	-0.105	0.212	0.423	-0.423
14	0.057	0.212	0.424	-0.424
15	-0.064	0.212	0.425	-0.425

Rookery Bay East Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



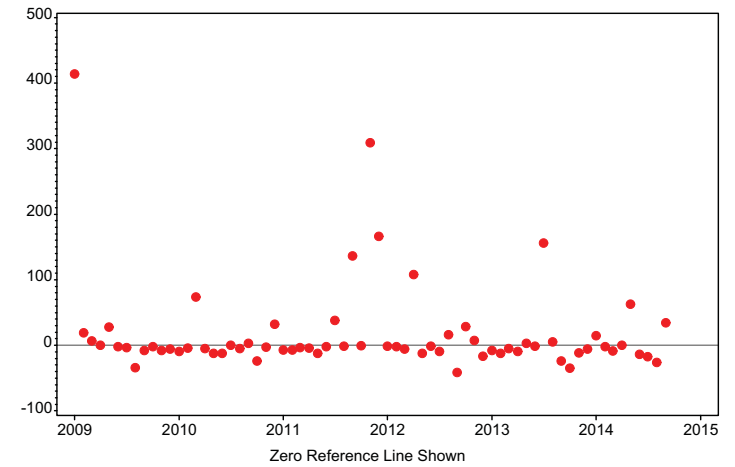
Rookery Bay East Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.061	0.606	0.46	1

Rookery Bay East Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.060606	0.60573	0.46043	1

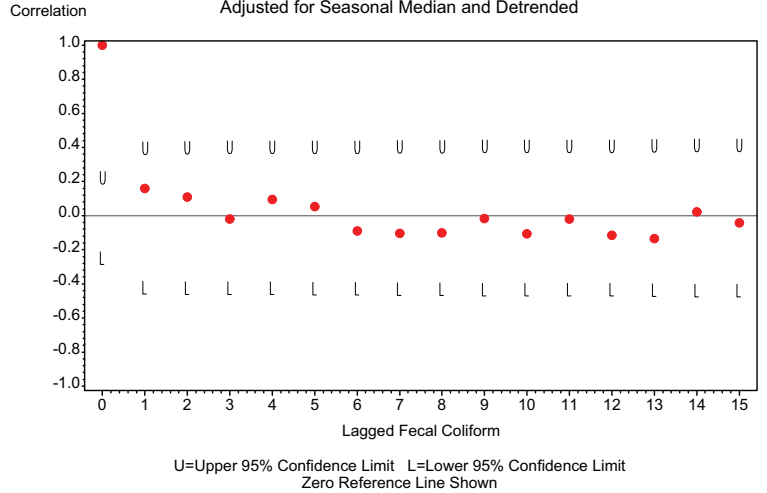
Rookery Bay East Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



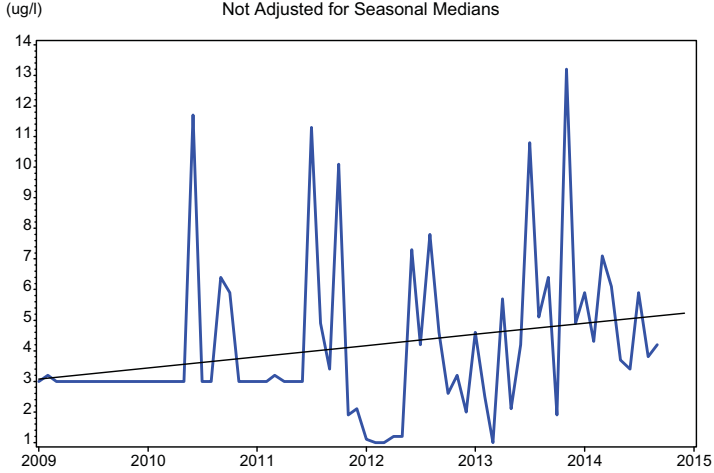
Rookery Bay East Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.160	0.204	0.408	-0.408
2	0.108	0.206	0.412	-0.412
3	-0.020	0.207	0.413	-0.413
4	0.096	0.207	0.413	-0.413
5	0.053	0.207	0.415	-0.415
6	-0.089	0.207	0.415	-0.415
7	-0.104	0.208	0.416	-0.416
8	-0.101	0.209	0.417	-0.417
9	-0.018	0.209	0.419	-0.419
10	-0.107	0.209	0.419	-0.419
11	-0.019	0.210	0.420	-0.420
12	-0.114	0.210	0.420	-0.420
13	-0.136	0.211	0.422	-0.422
14	0.023	0.212	0.425	-0.425
15	-0.042	0.212	0.425	-0.425

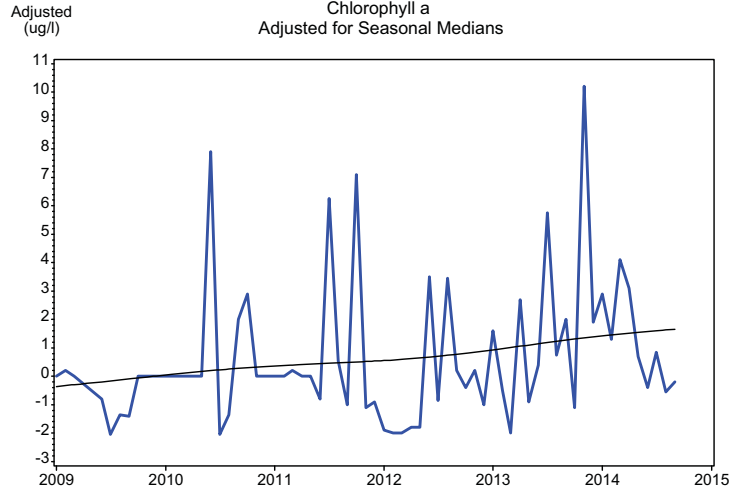
Rookery Bay East Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



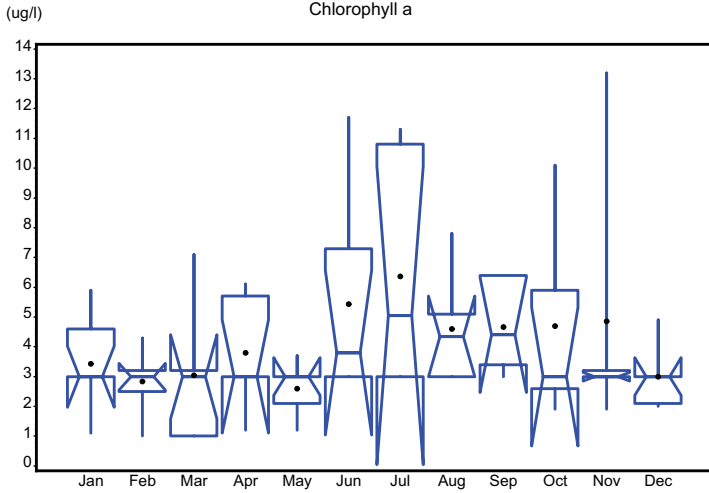
Rookery Bay West Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



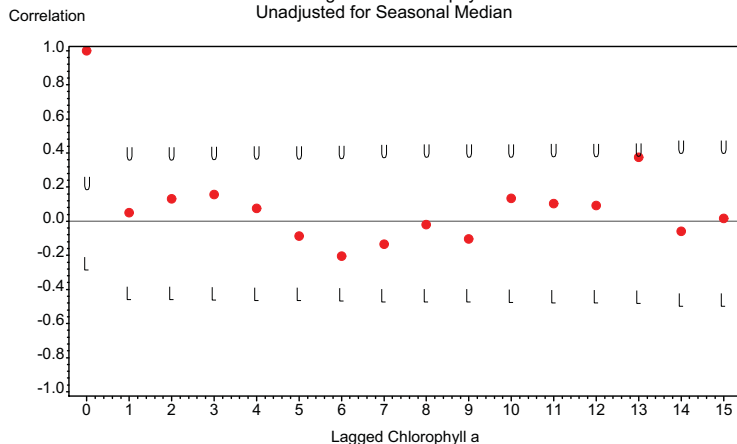
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.050	0.204	0.408	-0.408
2	0.132	0.204	0.409	-0.409
3	0.155	0.205	0.411	-0.411
4	0.076	0.207	0.414	-0.414
5	-0.088	0.207	0.415	-0.415
6	-0.204	0.208	0.416	-0.416
7	-0.135	0.211	0.422	-0.422
8	-0.019	0.212	0.424	-0.424
9	-0.103	0.212	0.424	-0.424
10	0.133	0.213	0.425	-0.425
11	0.102	0.214	0.428	-0.428
12	0.092	0.215	0.429	-0.429
13	0.375	0.215	0.430	-0.430
14	-0.058	0.224	0.448	-0.448
15	0.015	0.224	0.448	-0.448

Rookery Bay West Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

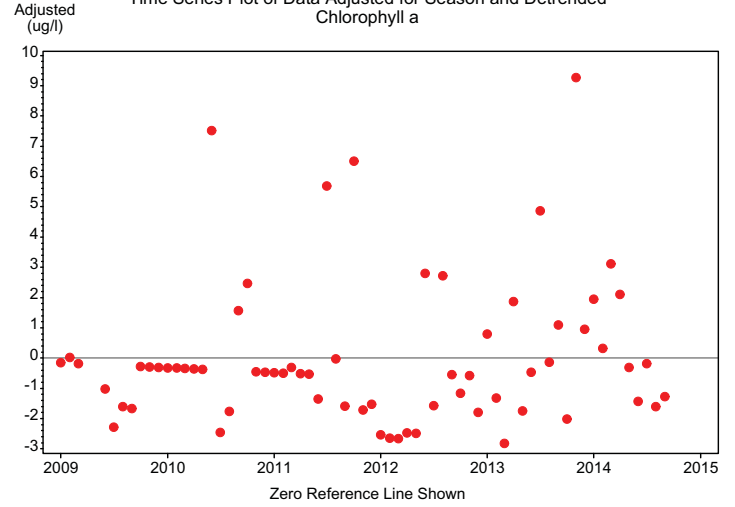
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.174	0.112	0.217	0.16

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.17419	0.11157	0.21707	0.16

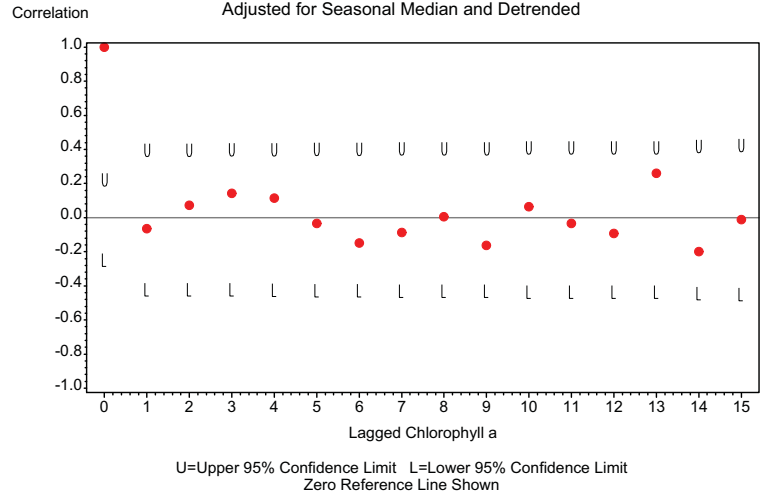
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



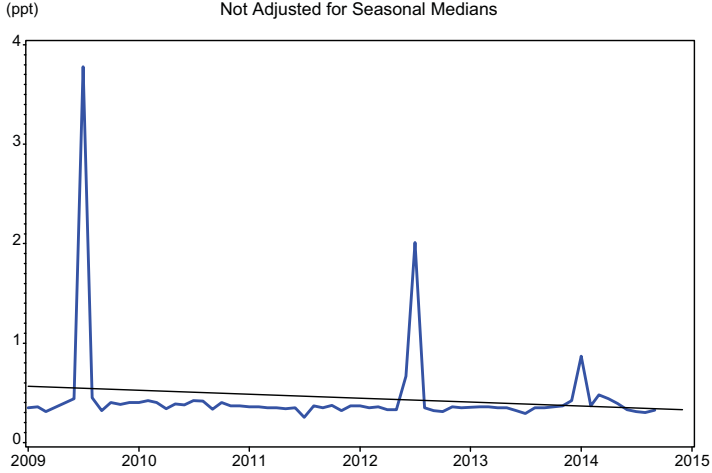
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.066	0.204	0.408	-0.408
2	0.072	0.204	0.409	-0.409
3	0.142	0.205	0.410	-0.410
4	0.114	0.206	0.412	-0.412
5	-0.034	0.207	0.414	-0.414
6	-0.149	0.207	0.414	-0.414
7	-0.087	0.209	0.417	-0.417
8	0.005	0.209	0.418	-0.418
9	-0.162	0.209	0.418	-0.418
10	0.065	0.211	0.422	-0.422
11	-0.035	0.211	0.422	-0.422
12	-0.092	0.211	0.422	-0.422
13	0.259	0.212	0.423	-0.423
14	-0.200	0.216	0.432	-0.432
15	-0.012	0.219	0.437	-0.437

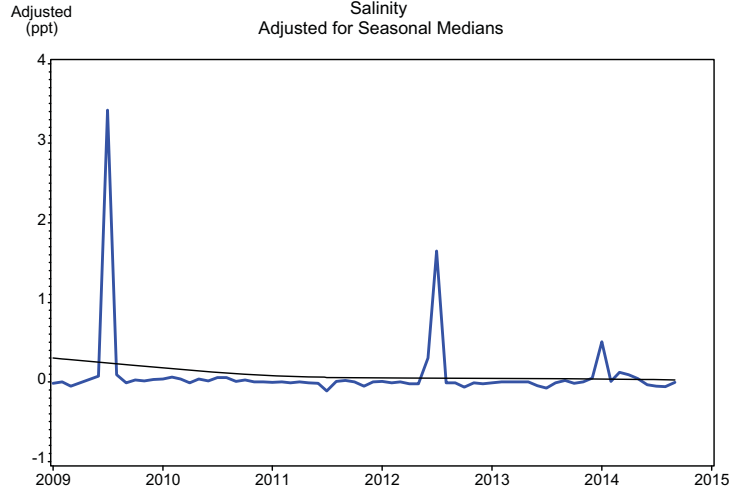
Rookery Bay West Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



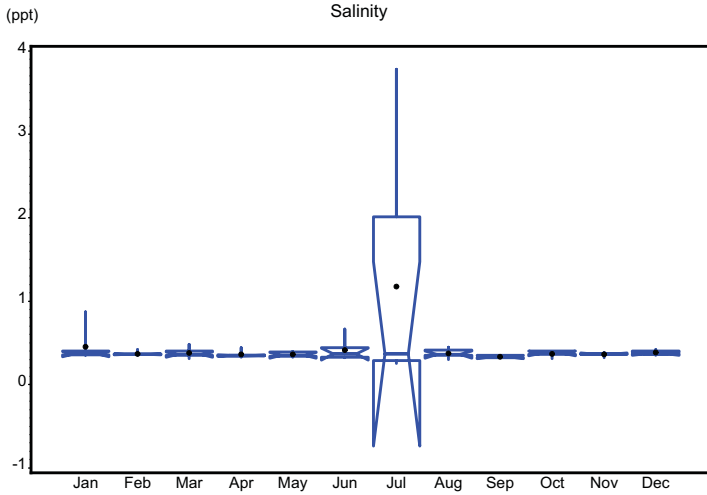
Rookery Bay West Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



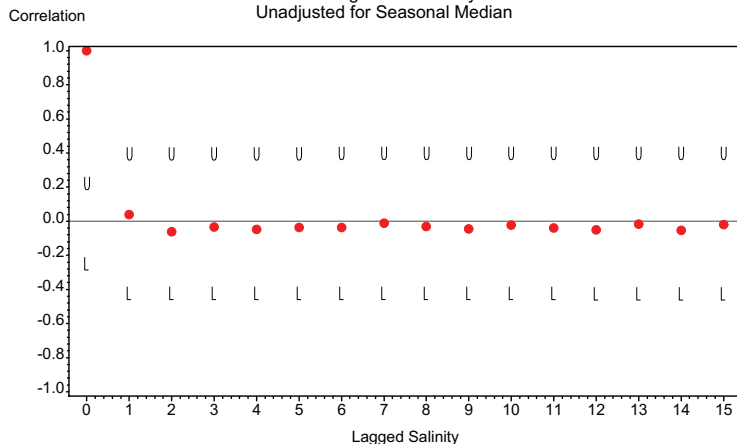
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Salinity



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.040	0.204	0.408	-0.408
2	-0.063	0.204	0.408	-0.408
3	-0.033	0.204	0.409	-0.409
4	-0.048	0.205	0.409	-0.409
5	-0.036	0.205	0.409	-0.409
6	-0.038	0.205	0.410	-0.410
7	-0.013	0.205	0.410	-0.410
8	-0.030	0.205	0.410	-0.410
9	-0.046	0.205	0.410	-0.410
10	-0.024	0.205	0.410	-0.410
11	-0.039	0.205	0.410	-0.410
12	-0.051	0.205	0.411	-0.411
13	-0.016	0.205	0.411	-0.411
14	-0.055	0.205	0.411	-0.411
15	-0.021	0.206	0.411	-0.411

Rookery Bay West Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

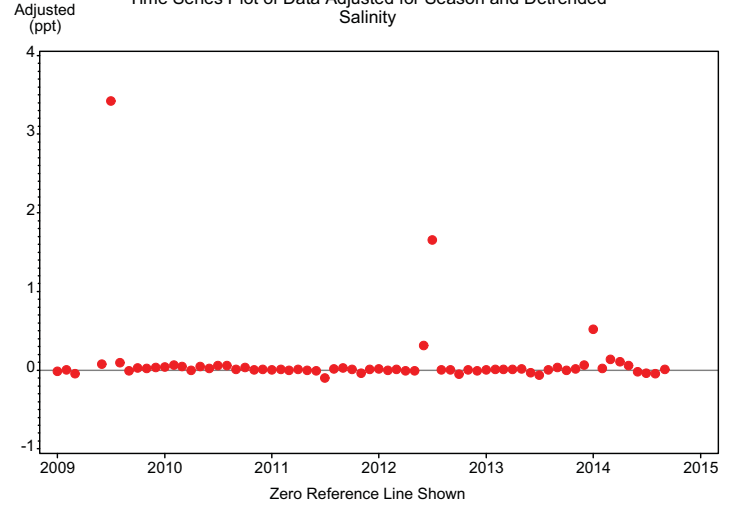
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.09	0.429	0.544	-0.003

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.090323	0.42885	0.54355	-.0025

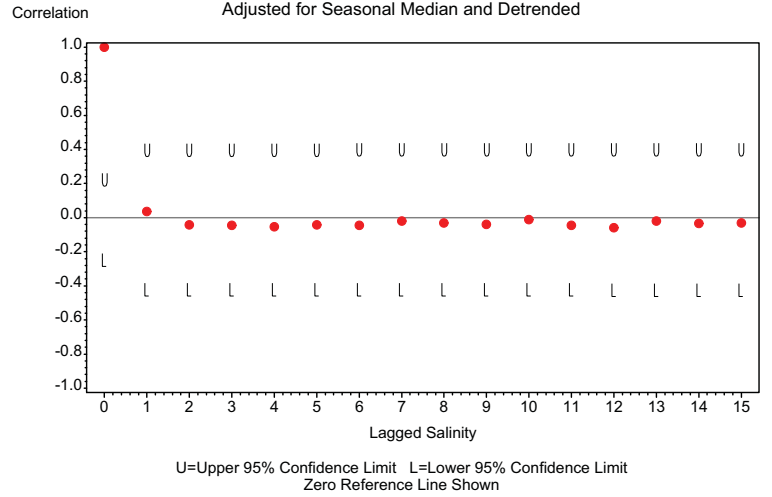
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Salinity



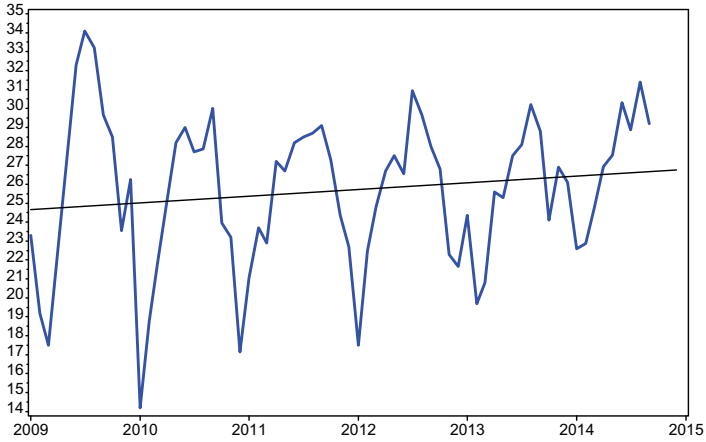
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.036	0.204	0.408	-0.408
2	-0.042	0.204	0.408	-0.408
3	-0.044	0.204	0.409	-0.409
4	-0.053	0.204	0.409	-0.409
5	-0.043	0.205	0.409	-0.409
6	-0.044	0.205	0.410	-0.410
7	-0.019	0.205	0.410	-0.410
8	-0.031	0.205	0.410	-0.410
9	-0.041	0.205	0.410	-0.410
10	-0.011	0.205	0.410	-0.410
11	-0.044	0.205	0.410	-0.410
12	-0.059	0.205	0.411	-0.411
13	-0.019	0.205	0.411	-0.411
14	-0.033	0.206	0.411	-0.411
15	-0.032	0.206	0.411	-0.411

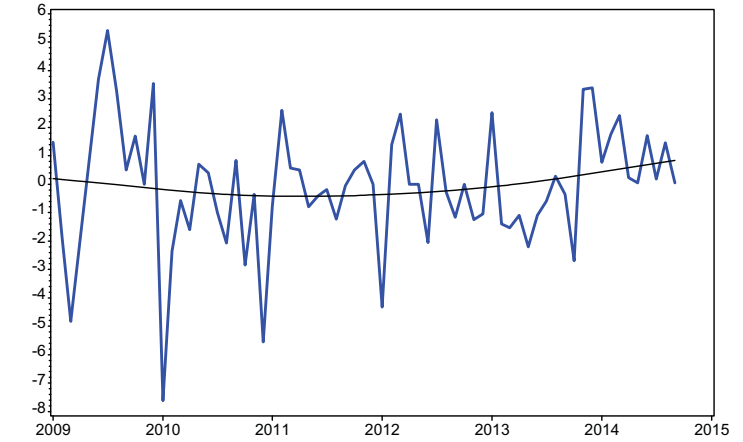
Rookery Bay West Trends Appendix
 Correlogram for Salinity
 Adjusted for Seasonal Median and Detrended



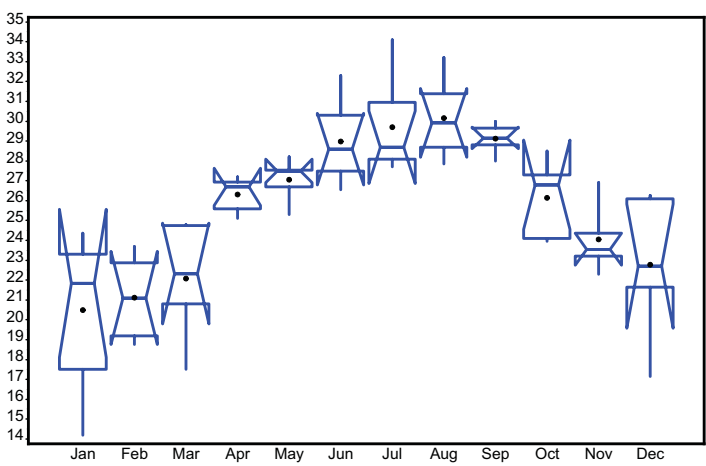
Rookery Bay West Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



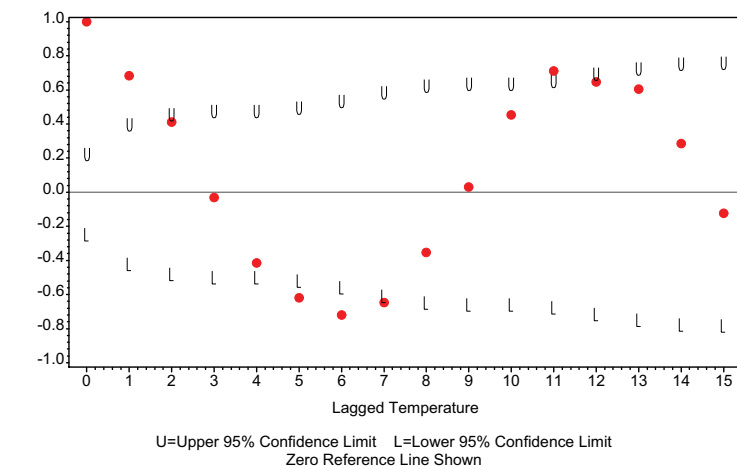
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Temperature



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.683	0.204	0.408	-0.408
2	0.412	0.234	0.467	-0.467
3	-0.031	0.244	0.487	-0.487
4	-0.414	0.244	0.487	-0.487
5	-0.618	0.253	0.506	-0.506
6	-0.720	0.273	0.547	-0.547
7	-0.646	0.299	0.597	-0.597
8	-0.354	0.317	0.635	-0.635
9	0.031	0.323	0.646	-0.646
10	0.452	0.323	0.646	-0.646
11	0.712	0.331	0.663	-0.663
12	0.646	0.352	0.704	-0.704
13	0.605	0.368	0.736	-0.736
14	0.284	0.382	0.764	-0.764
15	-0.125	0.385	0.769	-0.769

Rookery Bay West Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



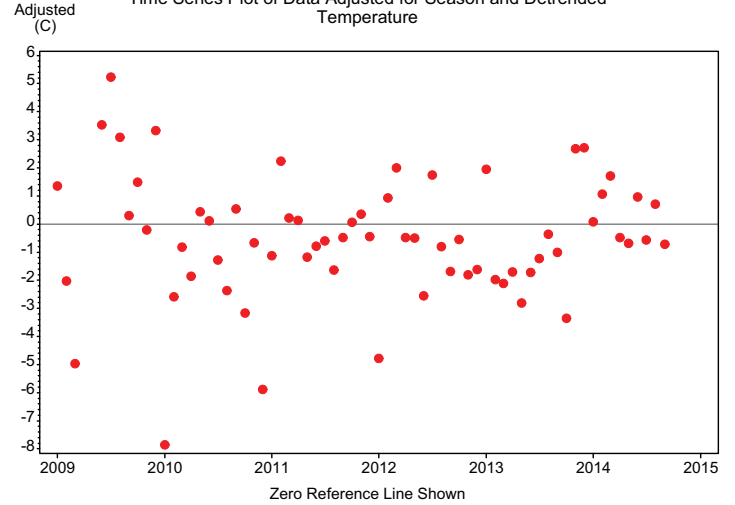
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.045	0.721	0.815	0.115

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.045161	0.72071	0.81529	0.115

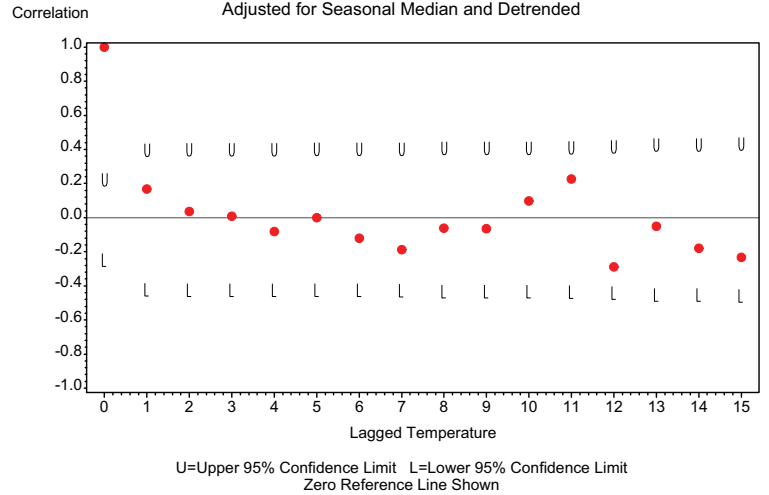
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



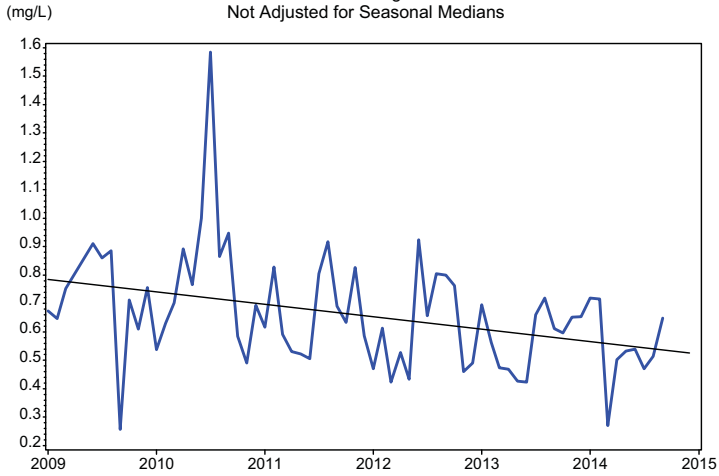
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.167	0.204	0.408	-0.408
2	0.035	0.206	0.412	-0.412
3	0.007	0.206	0.412	-0.412
4	-0.082	0.206	0.412	-0.412
5	0.000	0.207	0.413	-0.413
6	-0.120	0.207	0.413	-0.413
7	-0.187	0.208	0.415	-0.415
8	-0.063	0.210	0.420	-0.420
9	-0.065	0.210	0.420	-0.420
10	0.097	0.210	0.421	-0.421
11	0.226	0.211	0.422	-0.422
12	-0.289	0.214	0.429	-0.429
13	-0.052	0.220	0.439	-0.439
14	-0.180	0.220	0.440	-0.440
15	-0.234	0.222	0.444	-0.444

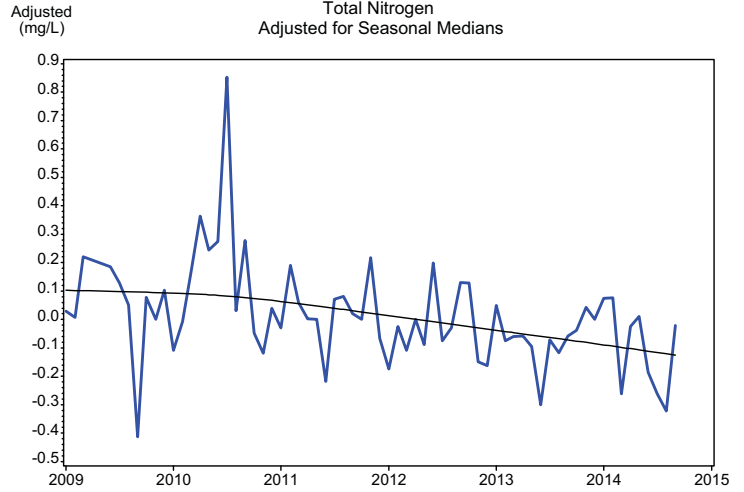
Rookery Bay West Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



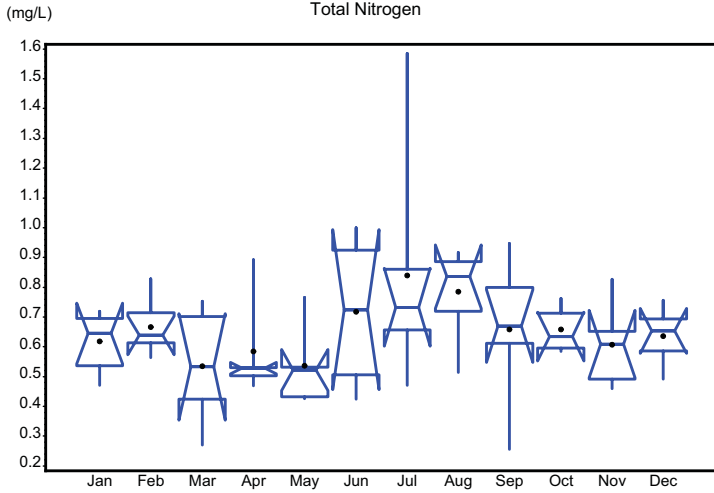
Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



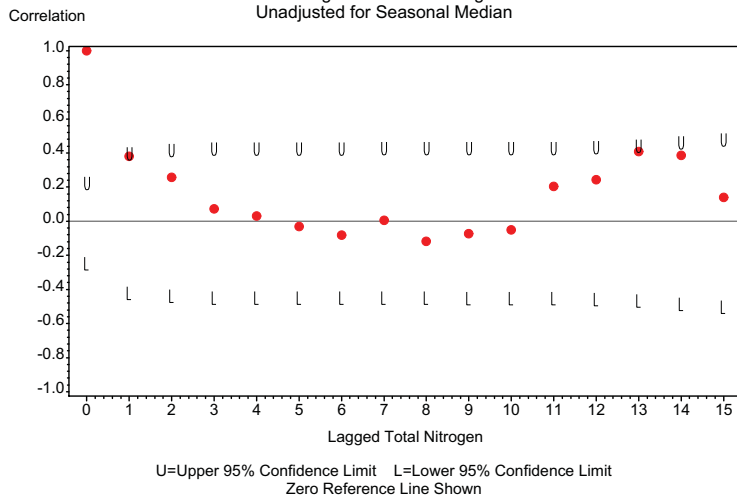
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.380	0.204	0.408	-0.408
2	0.256	0.214	0.427	-0.427
3	0.071	0.218	0.436	-0.436
4	0.031	0.218	0.437	-0.437
5	-0.032	0.218	0.437	-0.437
6	-0.083	0.218	0.437	-0.437
7	0.004	0.219	0.438	-0.438
8	-0.119	0.219	0.438	-0.438
9	-0.073	0.220	0.439	-0.439
10	-0.051	0.220	0.440	-0.440
11	0.204	0.220	0.440	-0.440
12	0.243	0.223	0.446	-0.446
13	0.407	0.226	0.453	-0.453
14	0.386	0.236	0.473	-0.473
15	0.139	0.245	0.490	-0.490

Rookery Bay West Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



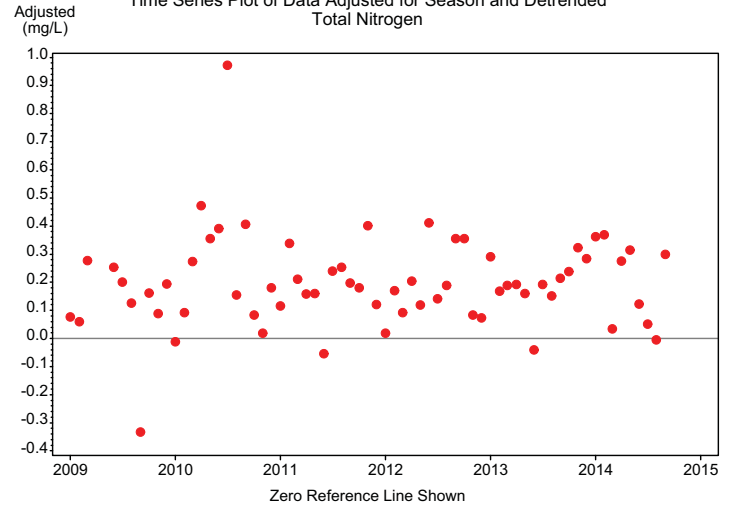
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.368	.001	0.028	-0.048

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.36774	.000847812	0.027615	-0.048

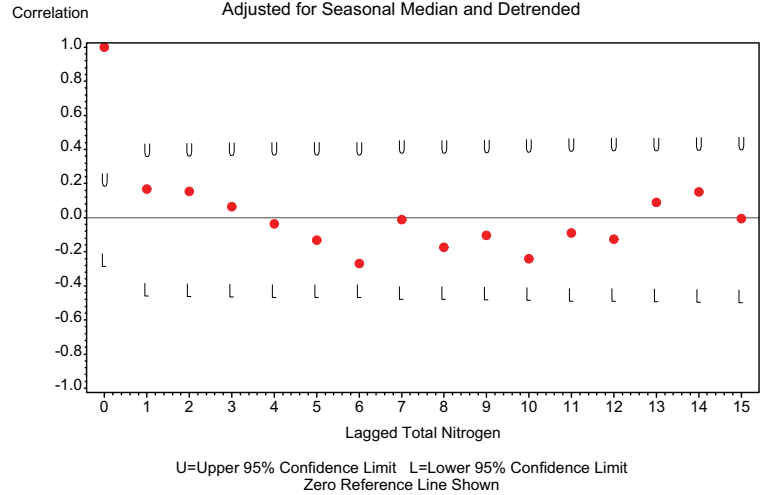
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



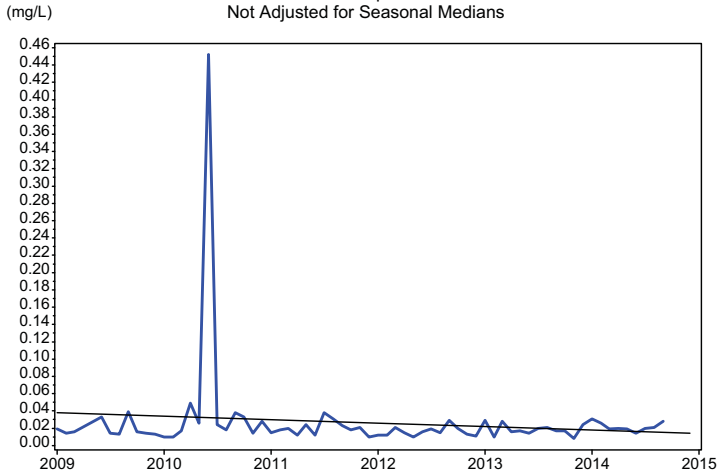
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.167	0.204	0.408	-0.408
2	0.153	0.206	0.412	-0.412
3	0.063	0.208	0.415	-0.415
4	-0.036	0.208	0.416	-0.416
5	-0.132	0.208	0.416	-0.416
6	-0.269	0.209	0.418	-0.418
7	-0.011	0.214	0.428	-0.428
8	-0.174	0.214	0.428	-0.428
9	-0.105	0.216	0.432	-0.432
10	-0.241	0.217	0.433	-0.433
11	-0.089	0.220	0.440	-0.440
12	-0.127	0.221	0.441	-0.441
13	0.090	0.222	0.443	-0.443
14	0.152	0.222	0.444	-0.444
15	-0.006	0.224	0.447	-0.447

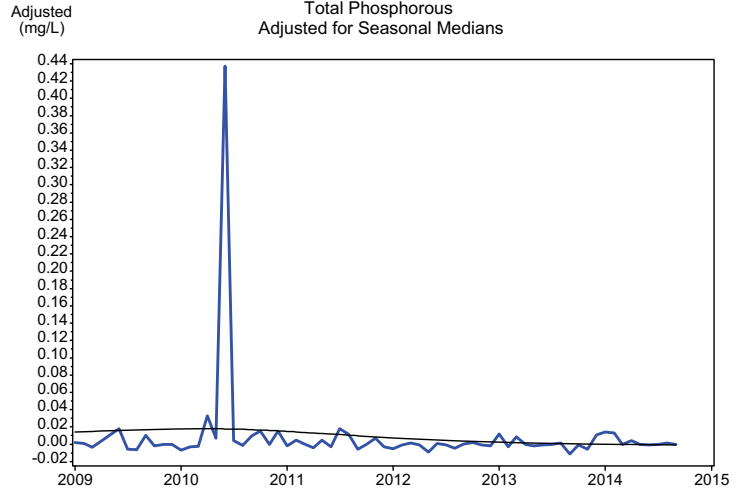
Rookery Bay West Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



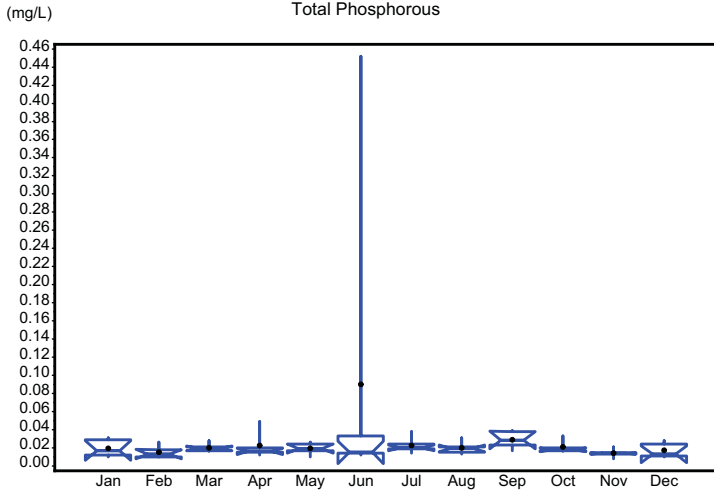
Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



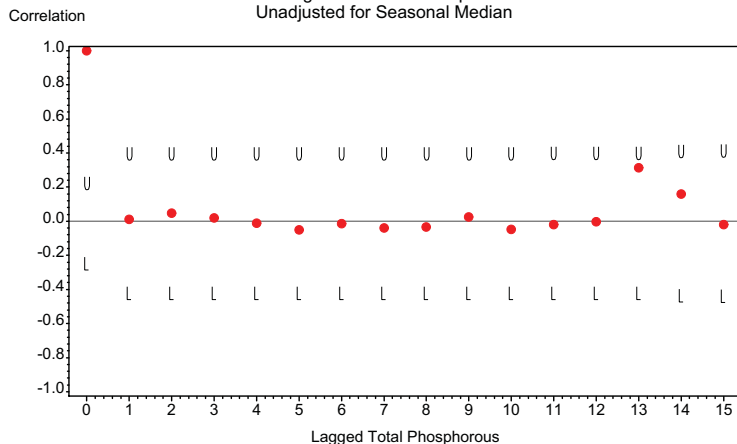
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.010	0.204	0.408	-0.408
2	0.046	0.204	0.408	-0.408
3	0.018	0.204	0.409	-0.409
4	-0.012	0.204	0.409	-0.409
5	-0.052	0.204	0.409	-0.409
6	-0.014	0.204	0.409	-0.409
7	-0.041	0.205	0.409	-0.409
8	-0.033	0.205	0.409	-0.409
9	0.024	0.205	0.409	-0.409
10	-0.047	0.205	0.409	-0.409
11	-0.019	0.205	0.410	-0.410
12	-0.002	0.205	0.410	-0.410
13	0.312	0.205	0.410	-0.410
14	0.159	0.211	0.423	-0.423
15	-0.019	0.213	0.426	-0.426

Rookery Bay West Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

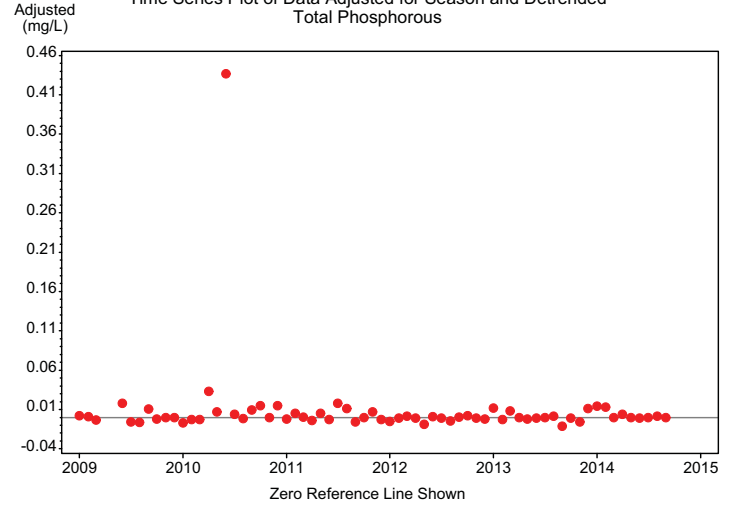
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.026	0.857	0.849	0

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.025807	0.85687	0.84872	0

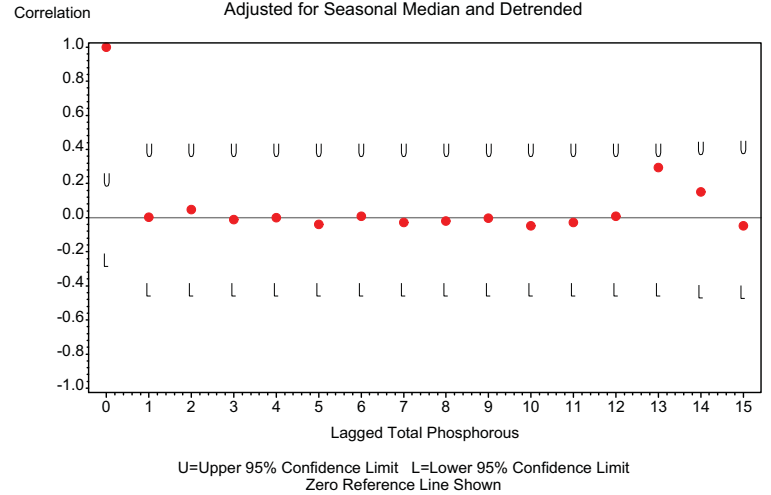
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



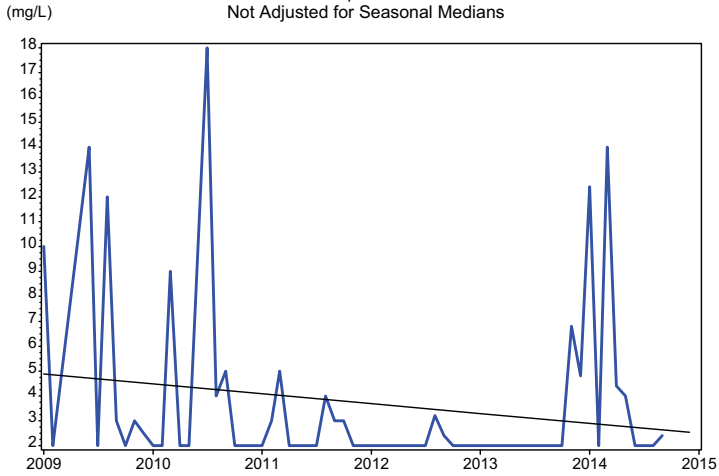
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.002	0.204	0.408	-0.408
2	0.047	0.204	0.408	-0.408
3	-0.011	0.204	0.409	-0.409
4	0.000	0.204	0.409	-0.409
5	-0.041	0.204	0.409	-0.409
6	0.008	0.204	0.409	-0.409
7	-0.029	0.204	0.409	-0.409
8	-0.021	0.204	0.409	-0.409
9	-0.004	0.204	0.409	-0.409
10	-0.047	0.204	0.409	-0.409
11	-0.028	0.205	0.409	-0.409
12	0.007	0.205	0.409	-0.409
13	0.293	0.205	0.409	-0.409
14	0.150	0.210	0.421	-0.421
15	-0.047	0.212	0.424	-0.424

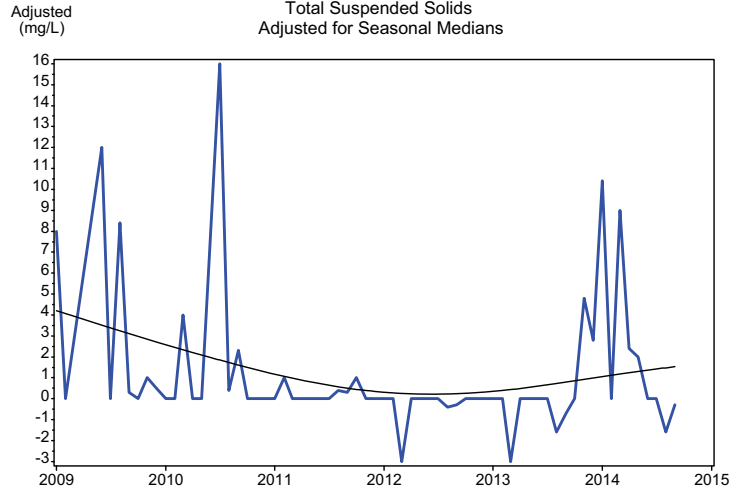
Rookery Bay West Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



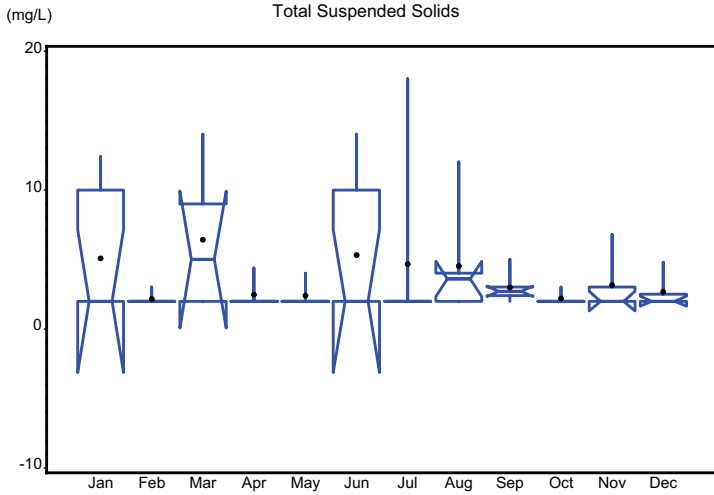
Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



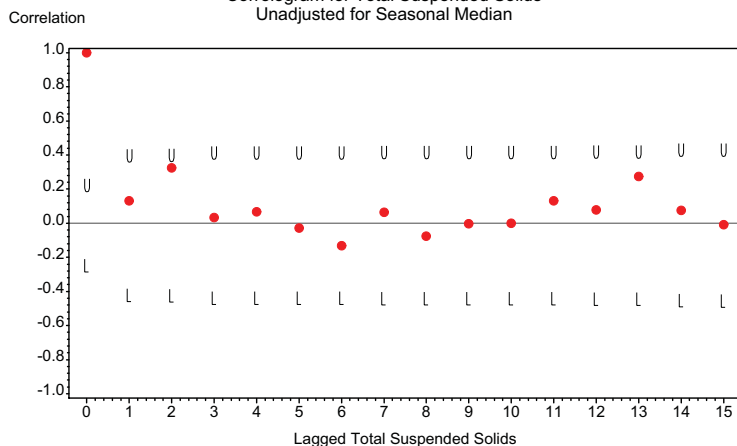
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.131	0.204	0.408	-0.408
2	0.324	0.205	0.411	-0.411
3	0.034	0.212	0.425	-0.425
4	0.068	0.212	0.425	-0.425
5	-0.028	0.213	0.425	-0.425
6	-0.132	0.213	0.425	-0.425
7	0.064	0.214	0.428	-0.428
8	-0.077	0.214	0.428	-0.428
9	-0.003	0.214	0.429	-0.429
10	-0.001	0.214	0.429	-0.429
11	0.132	0.214	0.429	-0.429
12	0.077	0.216	0.431	-0.431
13	0.273	0.216	0.432	-0.432
14	0.074	0.221	0.441	-0.441
15	-0.008	0.221	0.442	-0.442

Rookery Bay West Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

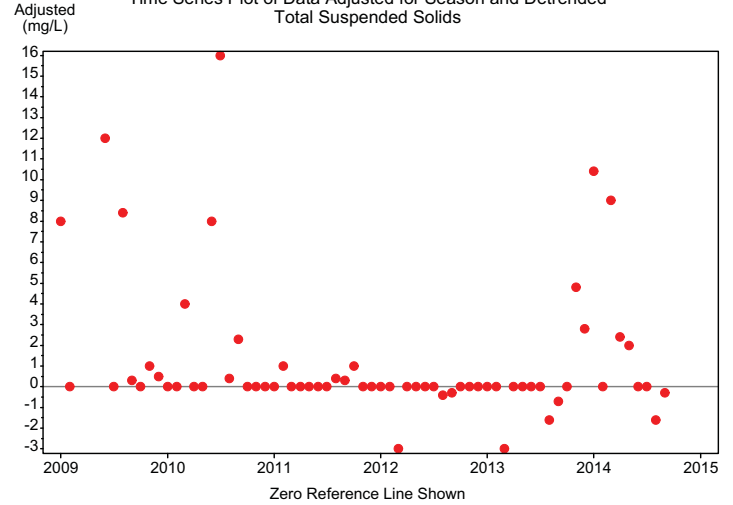
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.167	0.074	0.201	0

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16667	0.074439	0.20104	0

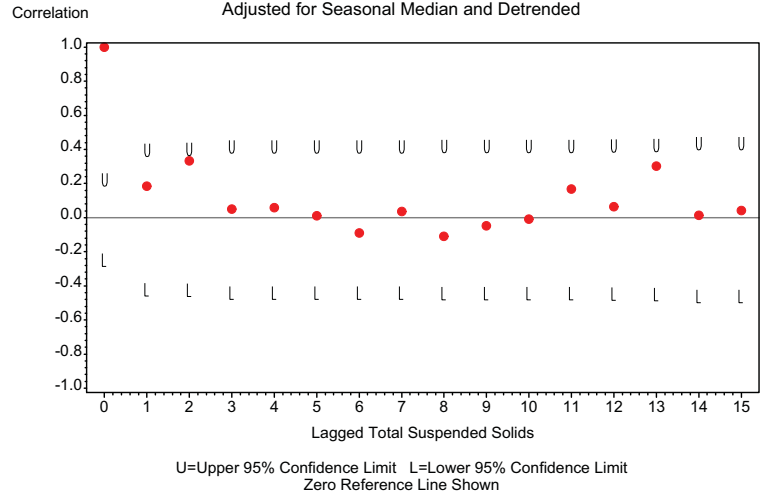
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



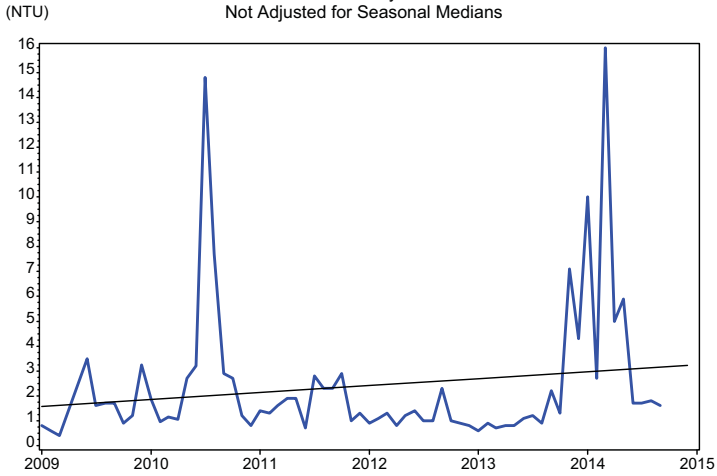
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.183	0.204	0.408	-0.408
2	0.334	0.206	0.413	-0.413
3	0.049	0.214	0.428	-0.428
4	0.059	0.214	0.428	-0.428
5	0.010	0.214	0.428	-0.428
6	-0.090	0.214	0.428	-0.428
7	0.036	0.215	0.429	-0.429
8	-0.110	0.215	0.430	-0.430
9	-0.049	0.216	0.431	-0.431
10	-0.009	0.216	0.431	-0.431
11	0.168	0.216	0.431	-0.431
12	0.064	0.218	0.435	-0.435
13	0.302	0.218	0.436	-0.436
14	0.014	0.224	0.447	-0.447
15	0.042	0.224	0.447	-0.447

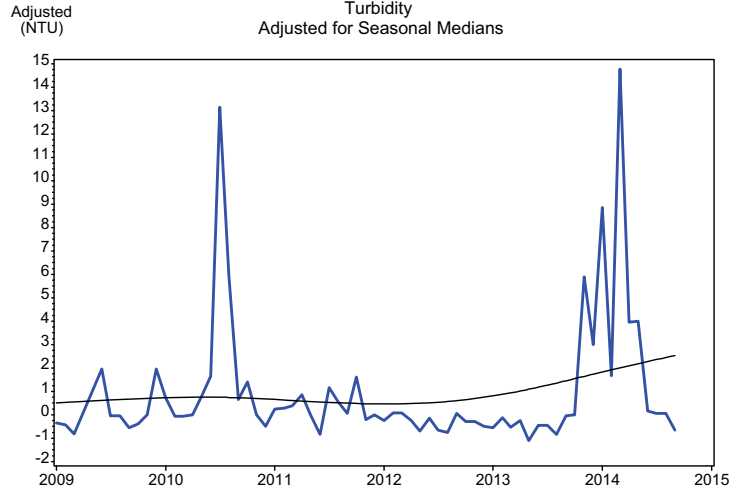
Rookery Bay West Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



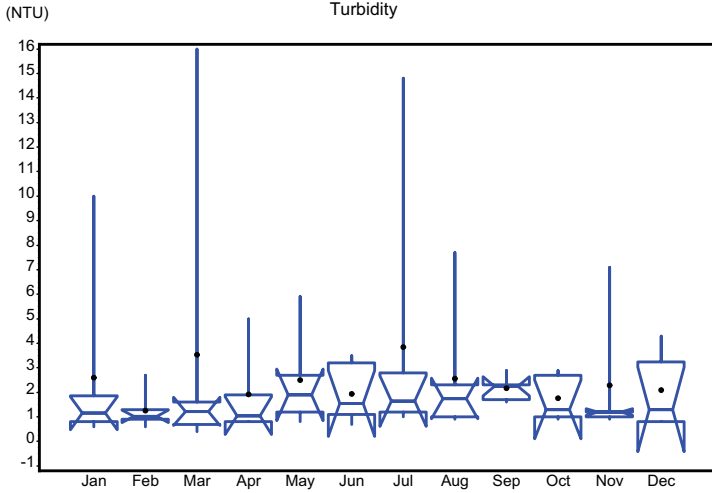
Rookery Bay West Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



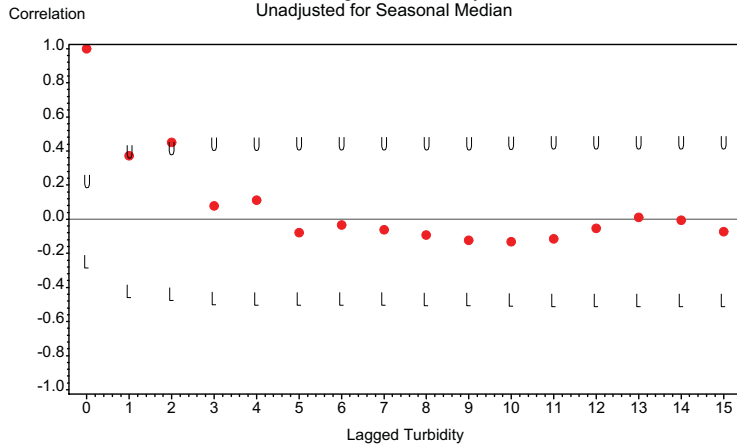
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Turbidity



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.371	0.204	0.408	-0.408
2	0.451	0.213	0.427	-0.427
3	0.077	0.226	0.452	-0.452
4	0.112	0.227	0.453	-0.453
5	-0.080	0.227	0.455	-0.455
6	-0.033	0.228	0.455	-0.455
7	-0.061	0.228	0.455	-0.455
8	-0.094	0.228	0.456	-0.456
9	-0.125	0.229	0.457	-0.457
10	-0.133	0.229	0.459	-0.459
11	-0.114	0.231	0.461	-0.461
12	-0.054	0.231	0.463	-0.463
13	0.010	0.231	0.463	-0.463
14	-0.007	0.231	0.463	-0.463
15	-0.074	0.231	0.463	-0.463

Rookery Bay West Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

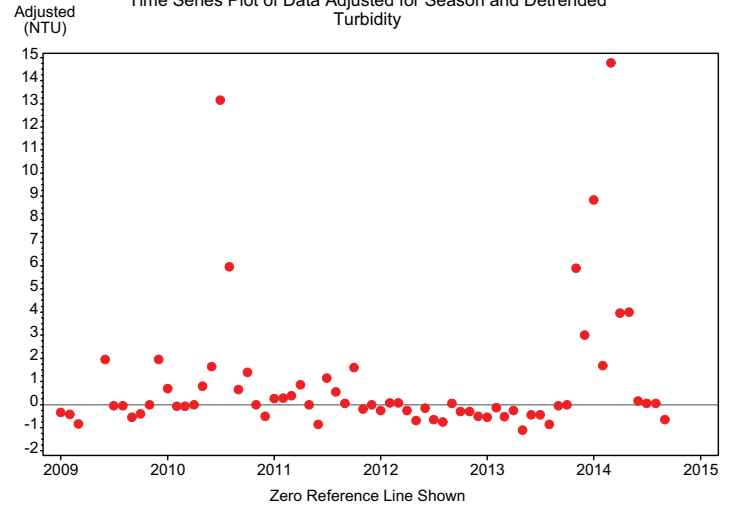
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.019	0.904	0.945	0

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.019355	0.90446	0.94545	0

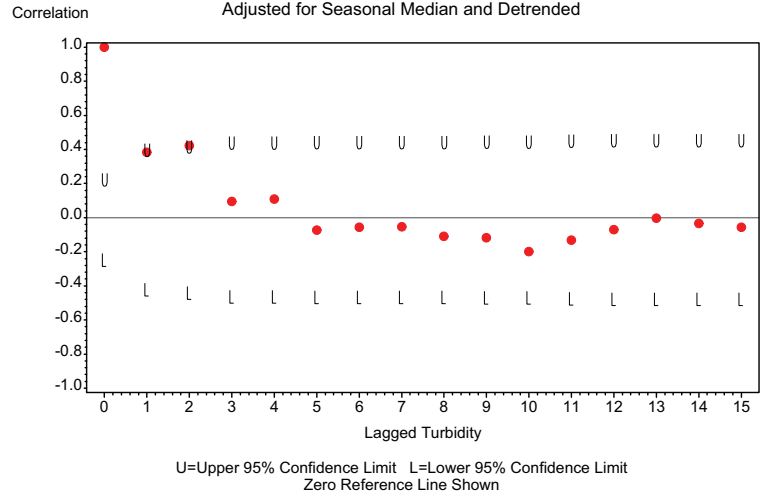
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



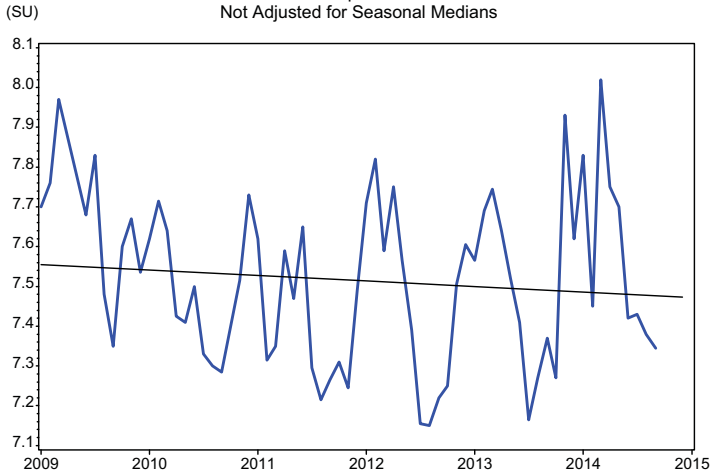
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.382	0.204	0.408	-0.408
2	0.422	0.214	0.428	-0.428
3	0.095	0.225	0.450	-0.450
4	0.110	0.226	0.451	-0.451
5	-0.072	0.226	0.453	-0.453
6	-0.057	0.227	0.453	-0.453
7	-0.055	0.227	0.454	-0.454
8	-0.111	0.227	0.454	-0.454
9	-0.118	0.228	0.456	-0.456
10	-0.199	0.229	0.457	-0.457
11	-0.132	0.231	0.462	-0.462
12	-0.071	0.232	0.464	-0.464
13	-0.002	0.232	0.465	-0.465
14	-0.034	0.232	0.465	-0.465
15	-0.056	0.233	0.465	-0.465

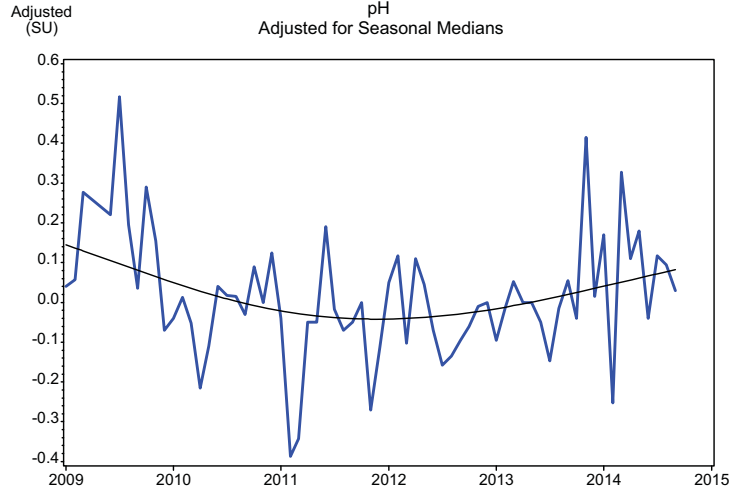
Rookery Bay West Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



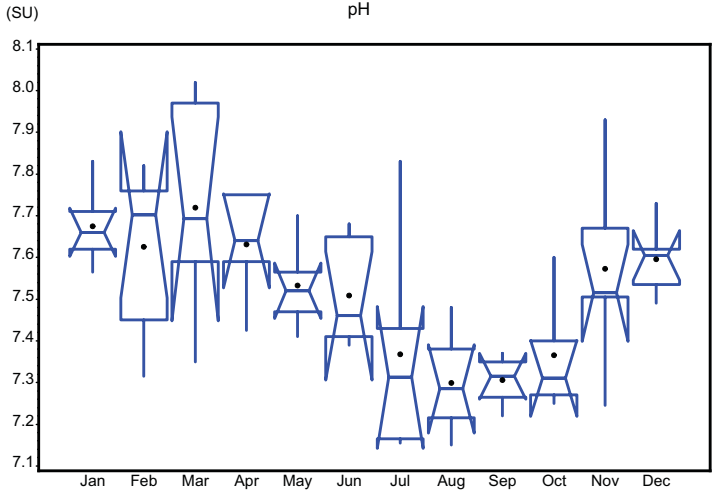
Rookery Bay West Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



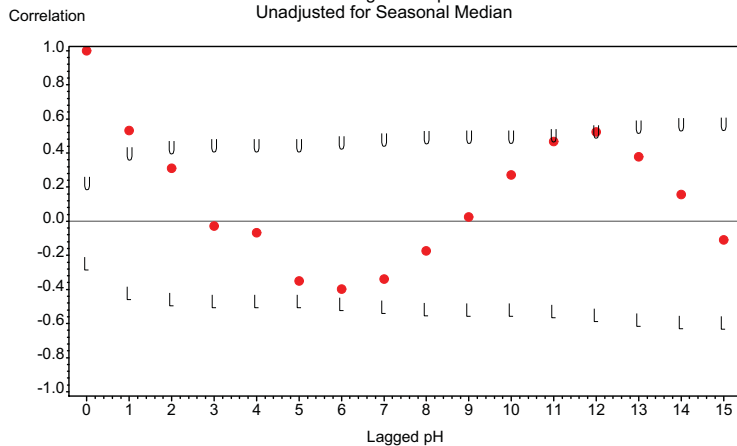
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
pH



Rookery Bay West Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.531	0.204	0.408	-0.408
2	0.309	0.222	0.445	-0.445
3	-0.028	0.228	0.457	-0.457
4	-0.067	0.228	0.457	-0.457
5	-0.351	0.229	0.457	-0.457
6	-0.399	0.236	0.472	-0.472
7	-0.340	0.245	0.490	-0.490
8	-0.175	0.252	0.503	-0.503
9	0.026	0.253	0.507	-0.507
10	0.270	0.253	0.507	-0.507
11	0.467	0.257	0.515	-0.515
12	0.523	0.269	0.538	-0.538
13	0.378	0.283	0.565	-0.565
14	0.155	0.290	0.579	-0.579
15	-0.109	0.291	0.582	-0.582

Rookery Bay West Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

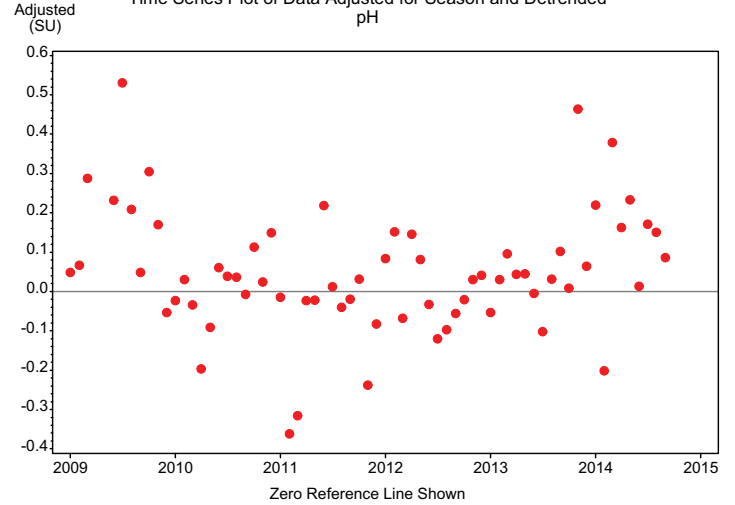
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.045	0.72	0.842	-0.008

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.045161	0.71976	0.84191	-0.00833333

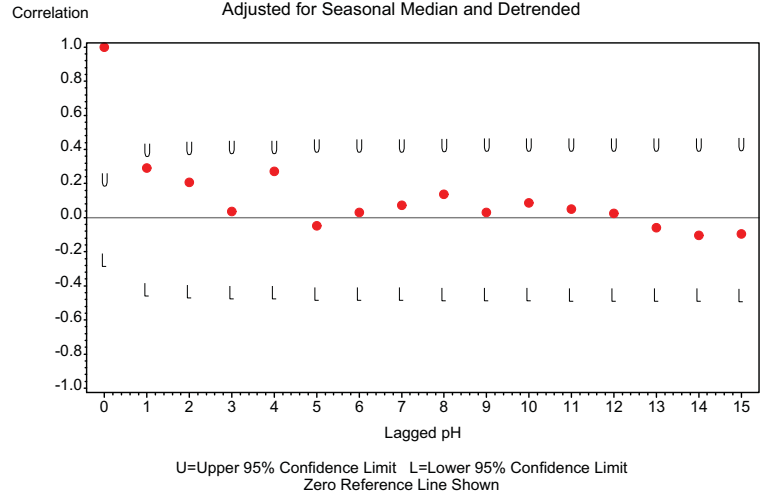
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 pH



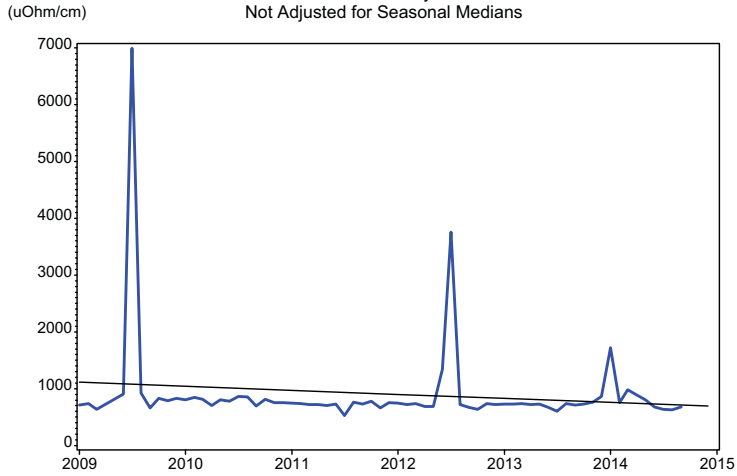
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.292	0.204	0.408	-0.408
2	0.207	0.210	0.420	-0.420
3	0.037	0.213	0.425	-0.425
4	0.270	0.213	0.426	-0.426
5	-0.047	0.217	0.435	-0.435
6	0.029	0.218	0.435	-0.435
7	0.072	0.218	0.435	-0.435
8	0.136	0.218	0.436	-0.436
9	0.030	0.219	0.438	-0.438
10	0.085	0.219	0.438	-0.438
11	0.049	0.220	0.439	-0.439
12	0.025	0.220	0.440	-0.440
13	-0.060	0.220	0.440	-0.440
14	-0.105	0.220	0.440	-0.440
15	-0.095	0.221	0.442	-0.442

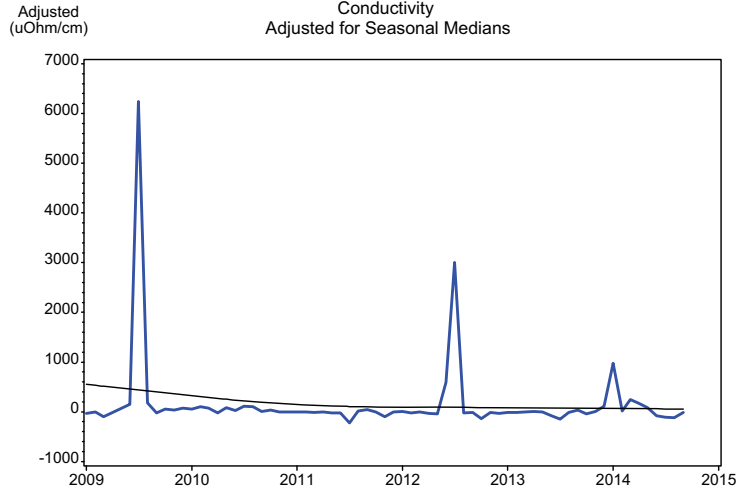
Rookery Bay West Trends Appendix
 Correlogram for pH
 Adjusted for Seasonal Median and Detrended



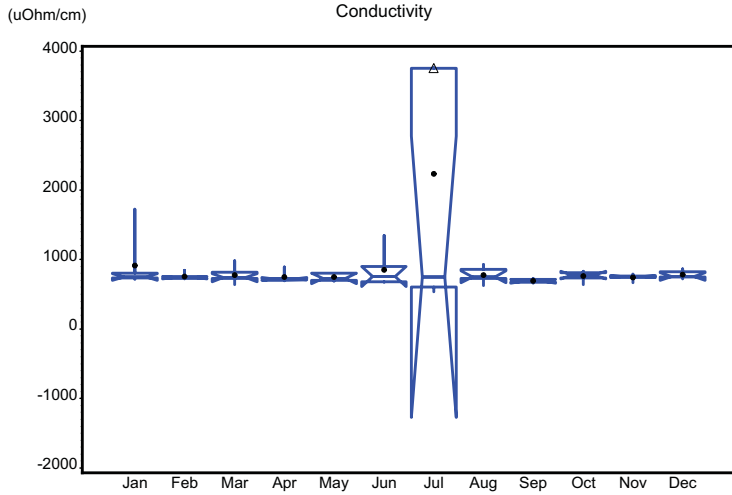
Rookery Bay West Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



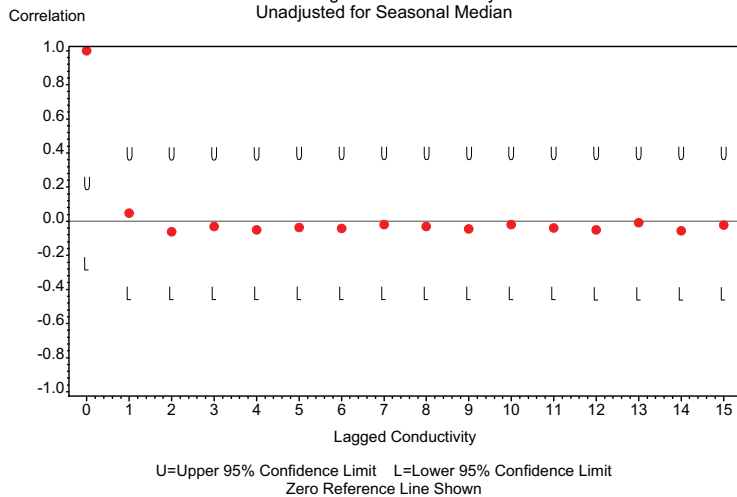
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Conductivity



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.046	0.204	0.408	-0.408
2	-0.063	0.204	0.409	-0.409
3	-0.030	0.205	0.409	-0.409
4	-0.051	0.205	0.409	-0.409
5	-0.036	0.205	0.410	-0.410
6	-0.042	0.205	0.410	-0.410
7	-0.019	0.205	0.410	-0.410
8	-0.032	0.205	0.410	-0.410
9	-0.046	0.205	0.410	-0.410
10	-0.020	0.205	0.410	-0.410
11	-0.040	0.205	0.410	-0.410
12	-0.052	0.205	0.411	-0.411
13	-0.010	0.206	0.411	-0.411
14	-0.057	0.206	0.411	-0.411
15	-0.024	0.206	0.412	-0.412

Rookery Bay West Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



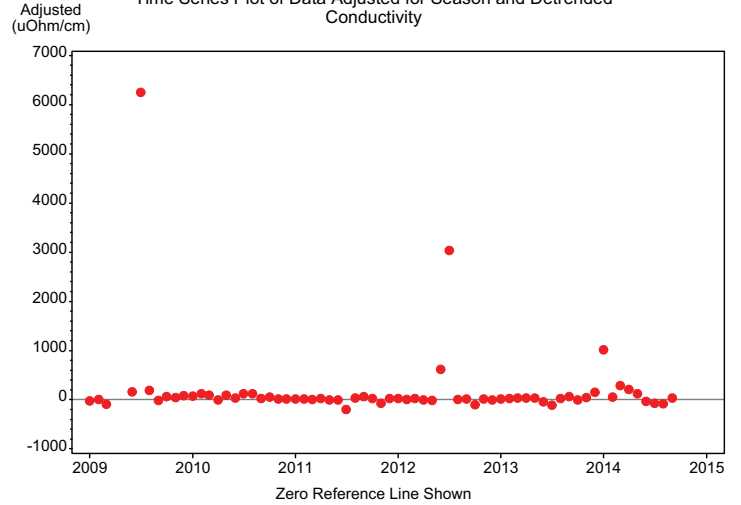
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.097	0.404	0.509	-6.333

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.096774	0.40418	0.50880	-6.33333

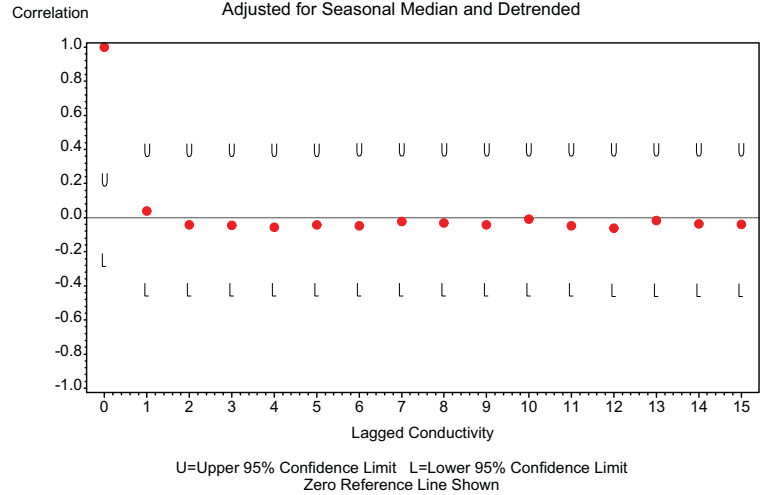
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Conductivity



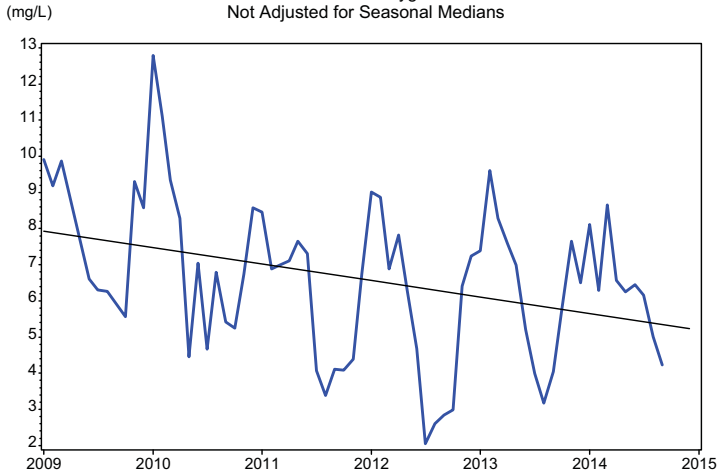
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.040	0.204	0.408	-0.408
2	-0.043	0.204	0.408	-0.408
3	-0.044	0.204	0.409	-0.409
4	-0.056	0.204	0.409	-0.409
5	-0.043	0.205	0.409	-0.409
6	-0.048	0.205	0.410	-0.410
7	-0.023	0.205	0.410	-0.410
8	-0.032	0.205	0.410	-0.410
9	-0.042	0.205	0.410	-0.410
10	-0.009	0.205	0.410	-0.410
11	-0.048	0.205	0.410	-0.410
12	-0.061	0.205	0.411	-0.411
13	-0.018	0.206	0.411	-0.411
14	-0.036	0.206	0.411	-0.411
15	-0.039	0.206	0.411	-0.411

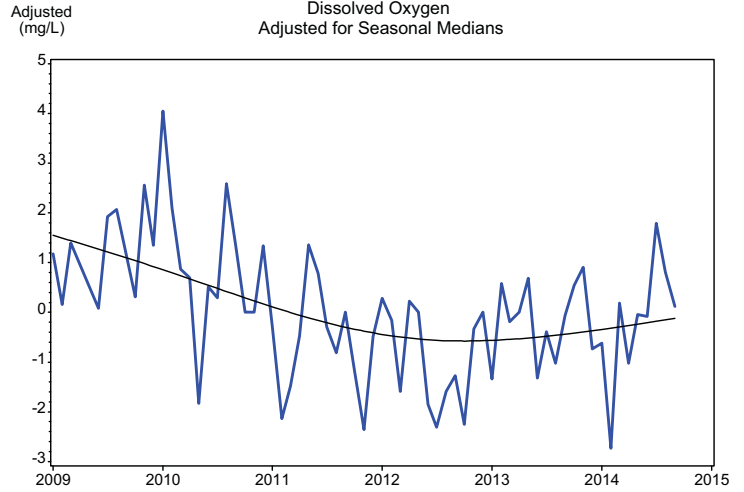
Rookery Bay West Trends Appendix
 Correlogram for Conductivity
 Adjusted for Seasonal Median and Detrended



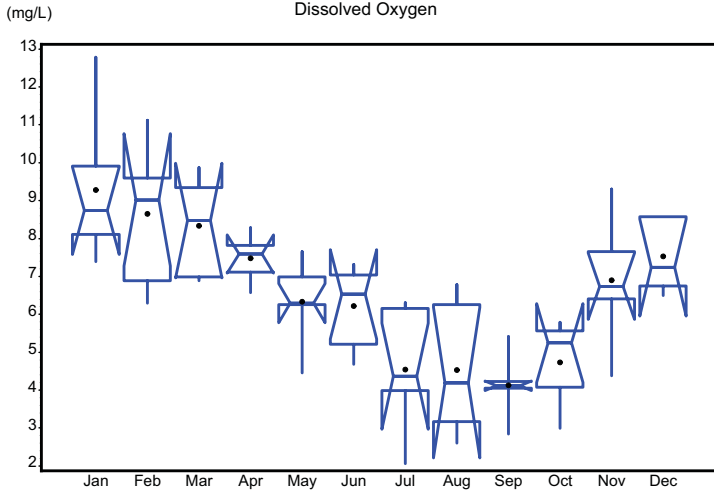
Rookery Bay West Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



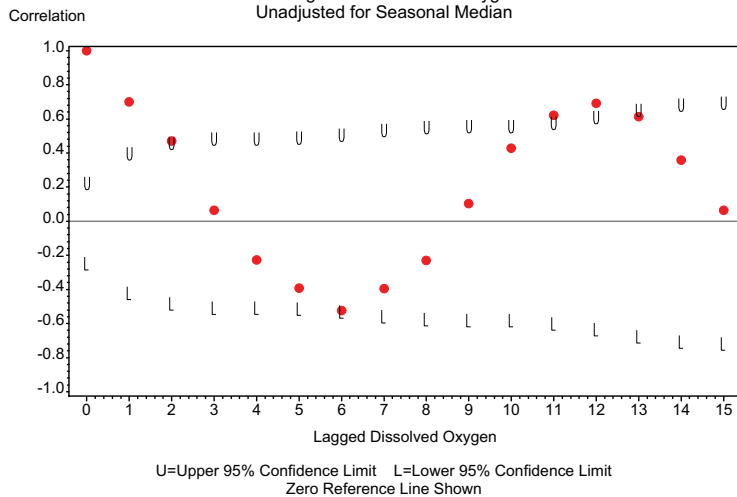
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.700	0.204	0.408	-0.408
2	0.471	0.235	0.470	-0.470
3	0.065	0.248	0.496	-0.496
4	-0.226	0.248	0.496	-0.496
5	-0.393	0.251	0.502	-0.502
6	-0.524	0.259	0.519	-0.519
7	-0.394	0.274	0.547	-0.547
8	-0.230	0.282	0.563	-0.563
9	0.104	0.284	0.568	-0.568
10	0.429	0.285	0.569	-0.569
11	0.620	0.293	0.587	-0.587
12	0.691	0.311	0.622	-0.622
13	0.613	0.332	0.664	-0.664
14	0.358	0.347	0.694	-0.694
15	0.065	0.352	0.705	-0.705

Rookery Bay West Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



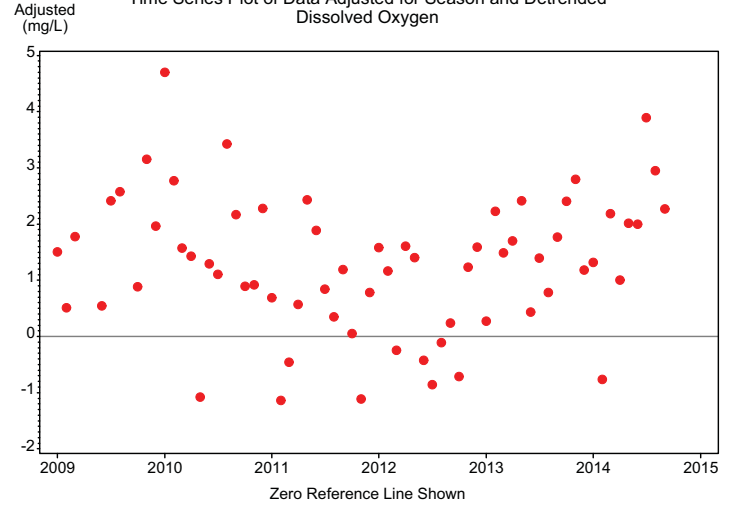
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.347	.002	0.112	-0.324

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.34667	.00191068	0.11192	-0.32375

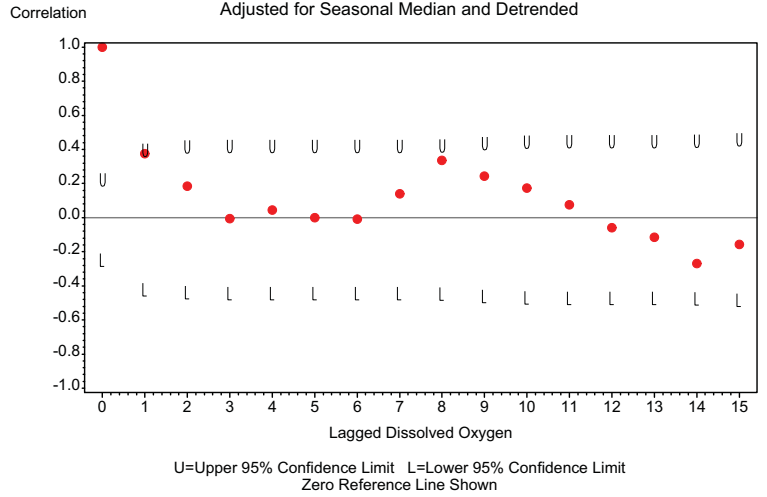
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



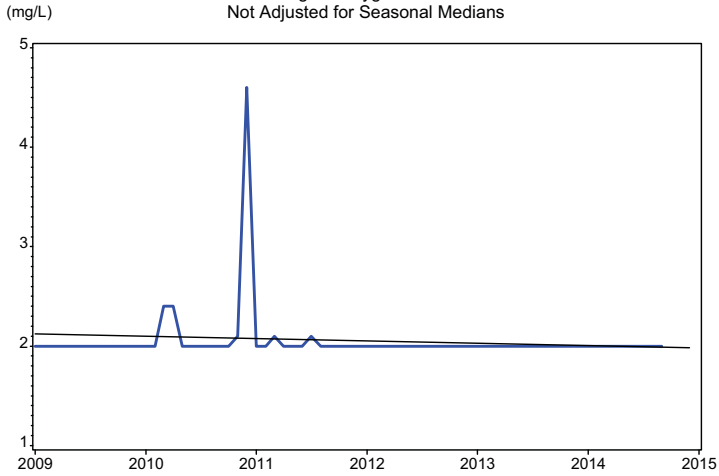
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.375	0.204	0.408	-0.408
2	0.185	0.213	0.427	-0.427
3	-0.006	0.216	0.431	-0.431
4	0.043	0.216	0.431	-0.431
5	-0.001	0.216	0.432	-0.432
6	-0.008	0.216	0.432	-0.432
7	0.139	0.216	0.432	-0.432
8	0.335	0.217	0.434	-0.434
9	0.244	0.224	0.448	-0.448
10	0.173	0.228	0.456	-0.456
11	0.076	0.230	0.459	-0.459
12	-0.059	0.230	0.460	-0.460
13	-0.115	0.230	0.460	-0.460
14	-0.270	0.231	0.462	-0.462
15	-0.158	0.235	0.471	-0.471

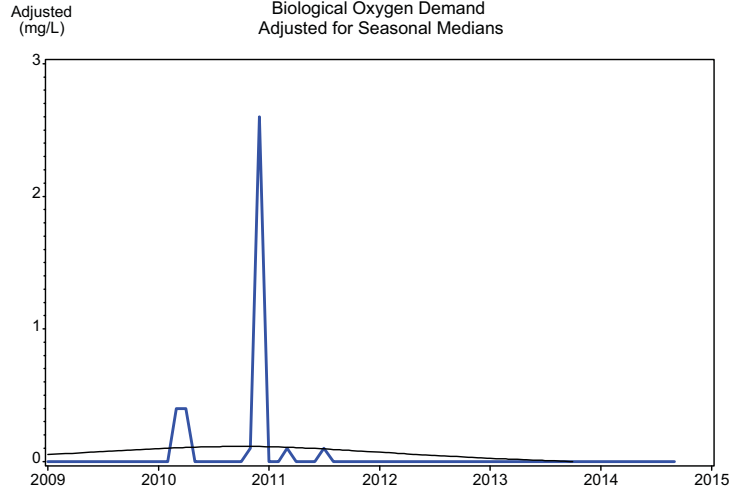
Rookery Bay West Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



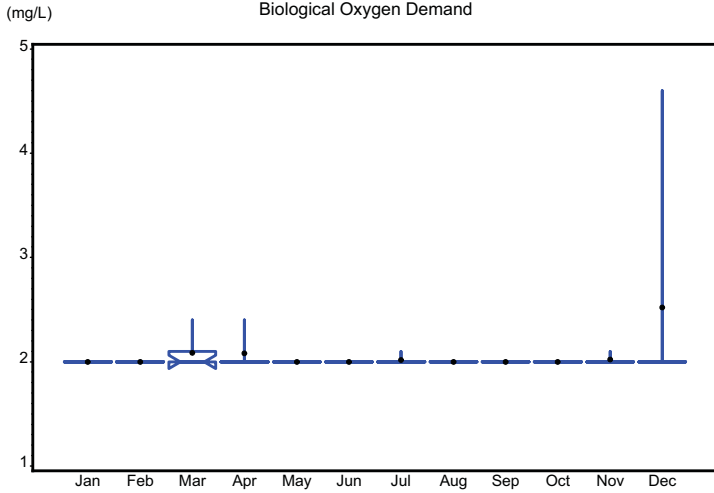
Rookery Bay West Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



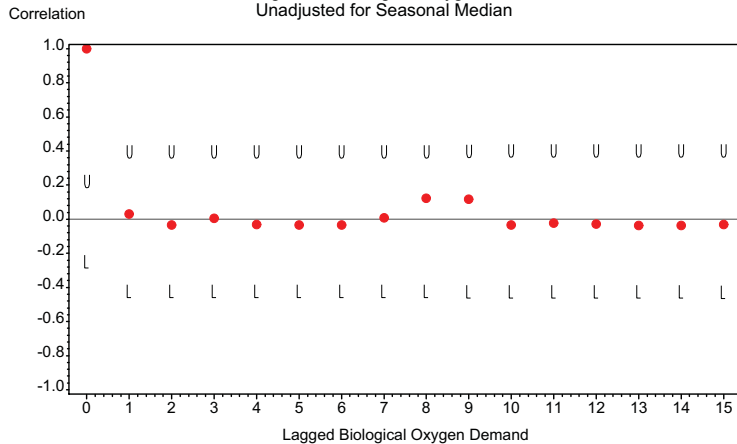
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.029	0.204	0.408	-0.408
2	-0.033	0.204	0.408	-0.408
3	0.005	0.204	0.409	-0.409
4	-0.030	0.204	0.409	-0.409
5	-0.033	0.204	0.409	-0.409
6	-0.034	0.204	0.409	-0.409
7	0.009	0.204	0.409	-0.409
8	0.124	0.204	0.409	-0.409
9	0.116	0.206	0.411	-0.411
10	-0.033	0.206	0.413	-0.413
11	-0.024	0.206	0.413	-0.413
12	-0.028	0.207	0.413	-0.413
13	-0.038	0.207	0.413	-0.413
14	-0.038	0.207	0.413	-0.413
15	-0.030	0.207	0.414	-0.414

Rookery Bay West Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

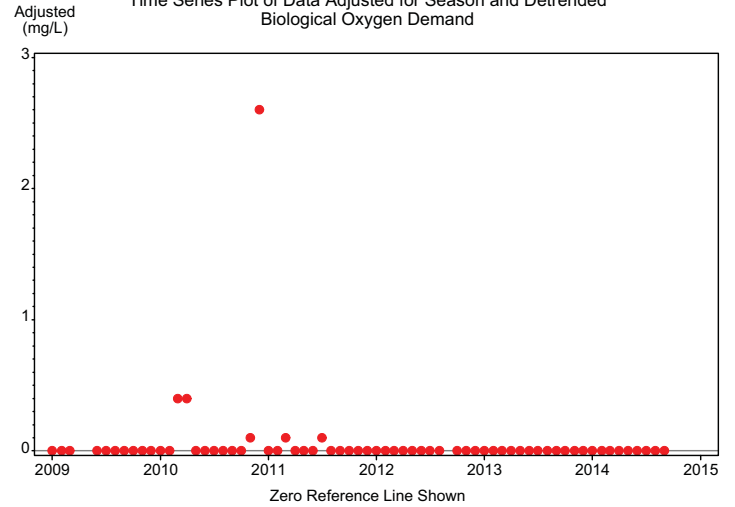
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.093	0.081	0.296	0

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.093333	0.080528	0.29588	0

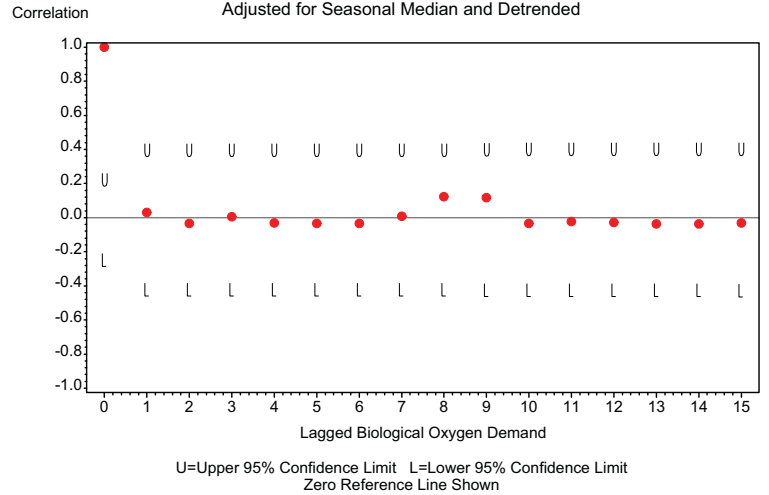
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



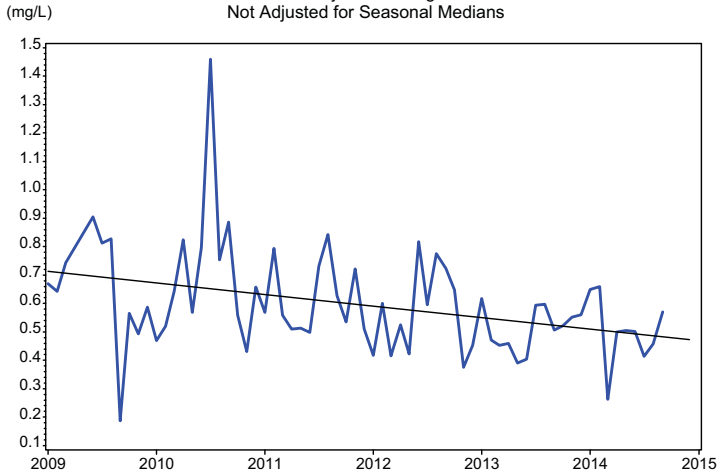
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.029	0.204	0.408	-0.408
2	-0.033	0.204	0.408	-0.408
3	0.005	0.204	0.409	-0.409
4	-0.030	0.204	0.409	-0.409
5	-0.033	0.204	0.409	-0.409
6	-0.034	0.204	0.409	-0.409
7	0.009	0.204	0.409	-0.409
8	0.124	0.204	0.409	-0.409
9	0.116	0.206	0.411	-0.411
10	-0.033	0.206	0.413	-0.413
11	-0.024	0.206	0.413	-0.413
12	-0.028	0.207	0.413	-0.413
13	-0.038	0.207	0.413	-0.413
14	-0.038	0.207	0.413	-0.413
15	-0.030	0.207	0.414	-0.414

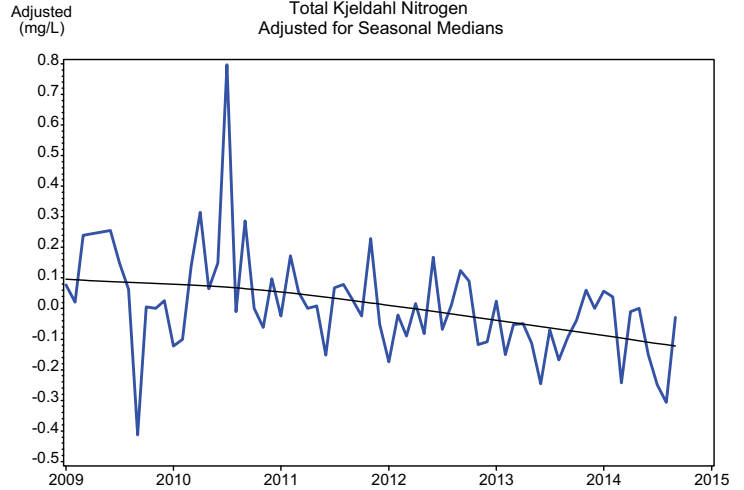
Rookery Bay West Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



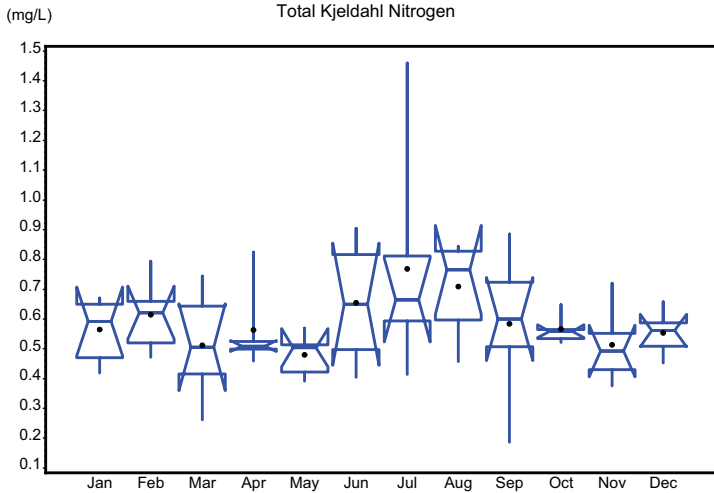
Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



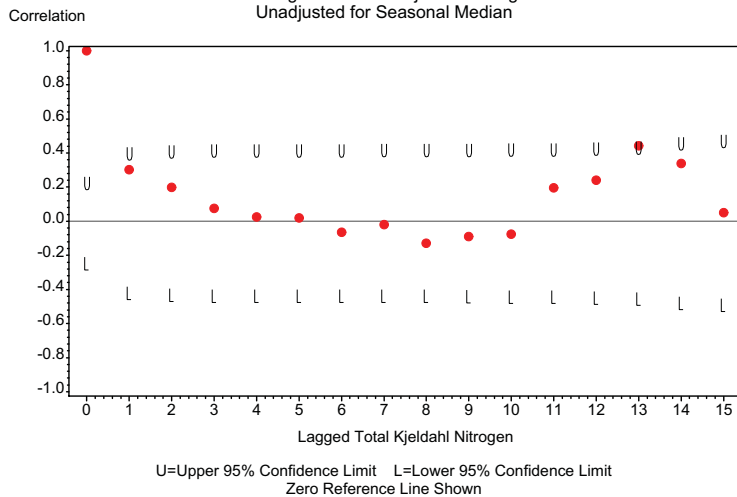
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.302	0.204	0.408	-0.408
2	0.198	0.210	0.420	-0.420
3	0.074	0.213	0.426	-0.426
4	0.025	0.213	0.426	-0.426
5	0.020	0.213	0.426	-0.426
6	-0.064	0.213	0.426	-0.426
7	-0.020	0.213	0.427	-0.427
8	-0.130	0.214	0.427	-0.427
9	-0.089	0.215	0.429	-0.429
10	-0.075	0.215	0.430	-0.430
11	0.196	0.215	0.431	-0.431
12	0.239	0.218	0.436	-0.436
13	0.441	0.222	0.443	-0.443
14	0.337	0.233	0.467	-0.467
15	0.051	0.240	0.480	-0.480

Rookery Bay West Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



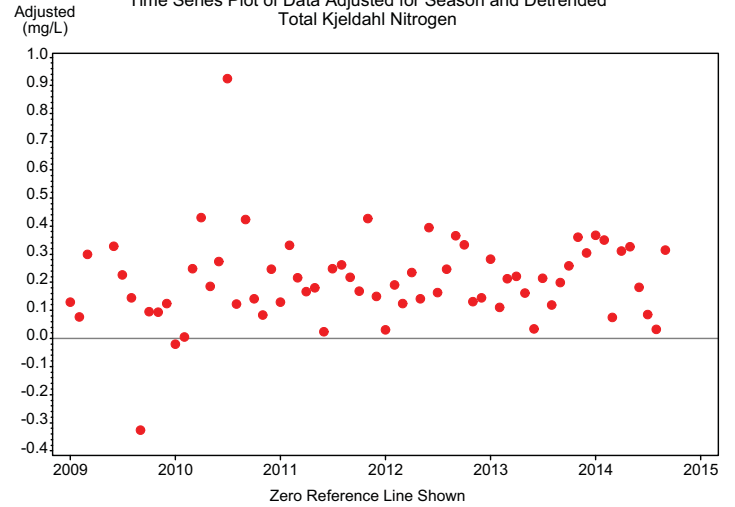
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.406	0	0.024	-0.051

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.40645	.000220805	0.024232	-0.0515

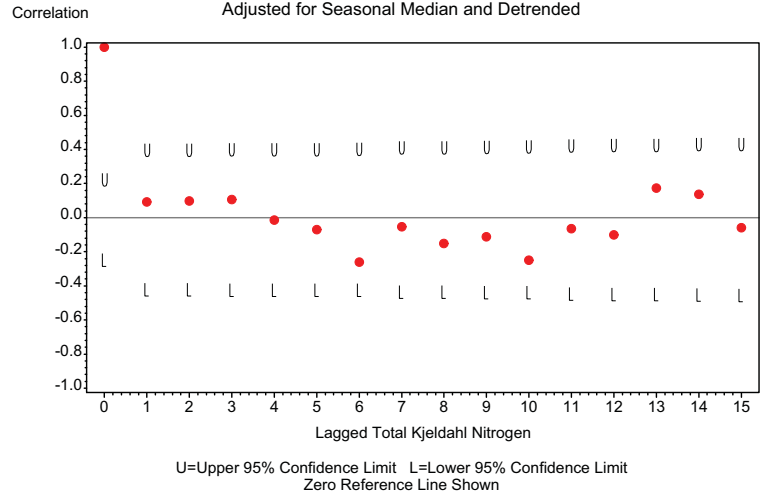
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



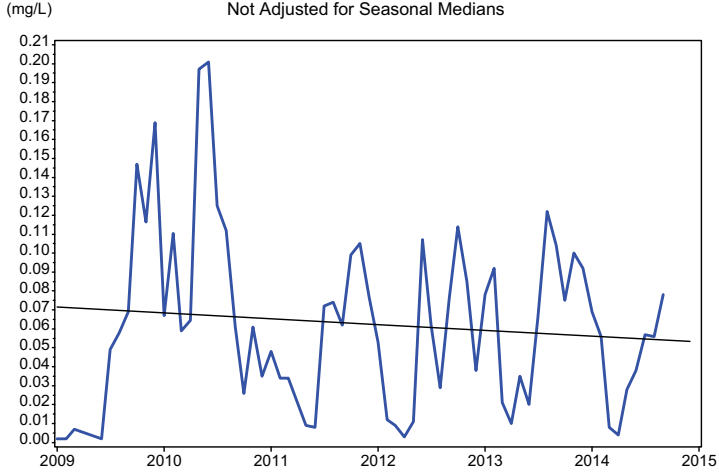
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.091	0.204	0.408	-0.408
2	0.097	0.205	0.409	-0.409
3	0.107	0.205	0.411	-0.411
4	-0.014	0.206	0.412	-0.412
5	-0.071	0.206	0.412	-0.412
6	-0.260	0.206	0.413	-0.413
7	-0.055	0.211	0.422	-0.422
8	-0.152	0.211	0.422	-0.422
9	-0.112	0.213	0.425	-0.425
10	-0.250	0.213	0.427	-0.427
11	-0.064	0.217	0.435	-0.435
12	-0.101	0.218	0.436	-0.436
13	0.174	0.218	0.437	-0.437
14	0.136	0.220	0.441	-0.441
15	-0.058	0.221	0.443	-0.443

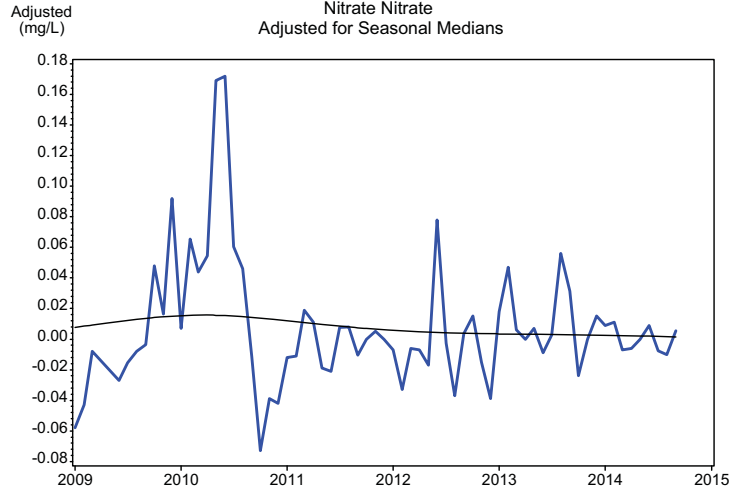
Rookery Bay West Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



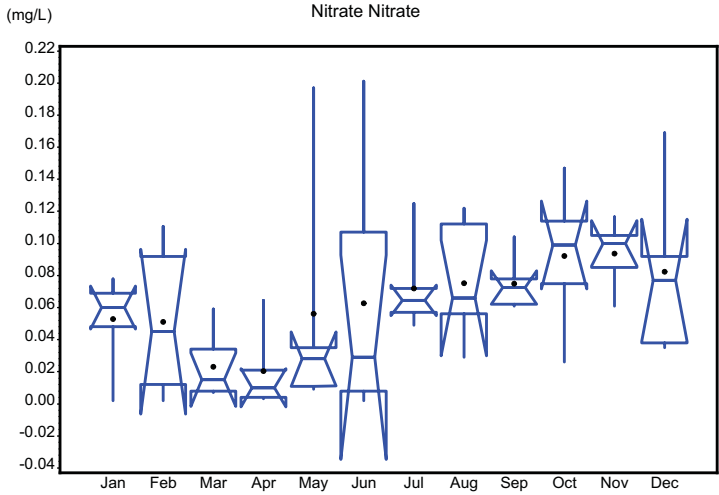
Rookery Bay West Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



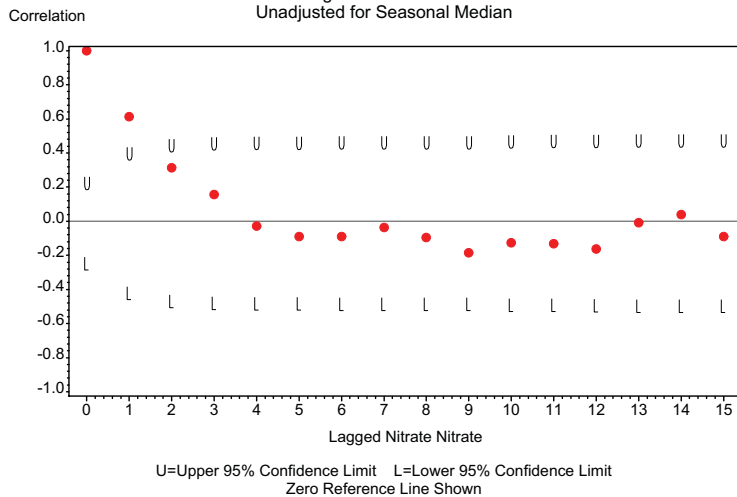
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.612	0.204	0.408	-0.408
2	0.312	0.228	0.456	-0.456
3	0.157	0.234	0.468	-0.468
4	-0.028	0.236	0.471	-0.471
5	-0.089	0.236	0.471	-0.471
6	-0.090	0.236	0.472	-0.472
7	-0.038	0.237	0.473	-0.473
8	-0.097	0.237	0.473	-0.473
9	-0.184	0.237	0.474	-0.474
10	-0.126	0.239	0.478	-0.478
11	-0.133	0.240	0.480	-0.480
12	-0.163	0.241	0.482	-0.482
13	-0.009	0.243	0.485	-0.485
14	0.040	0.243	0.485	-0.485
15	-0.091	0.243	0.485	-0.485

Rookery Bay West Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



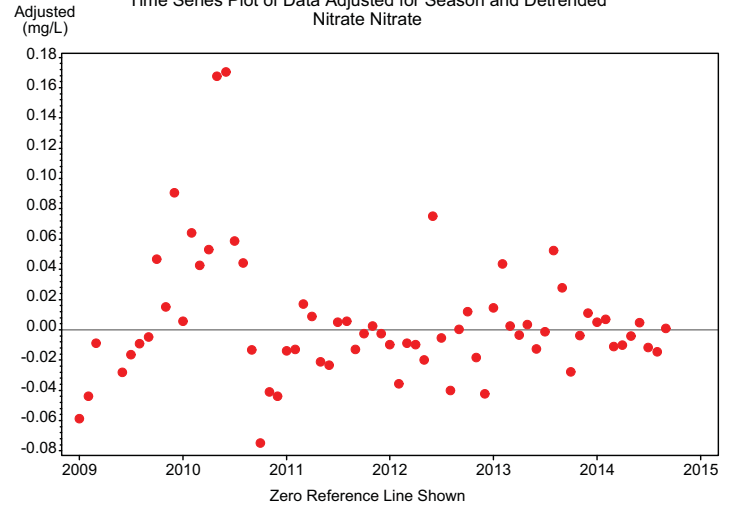
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.045	0.721	0.779	.001

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.045161	0.72071	0.77928	.000666667

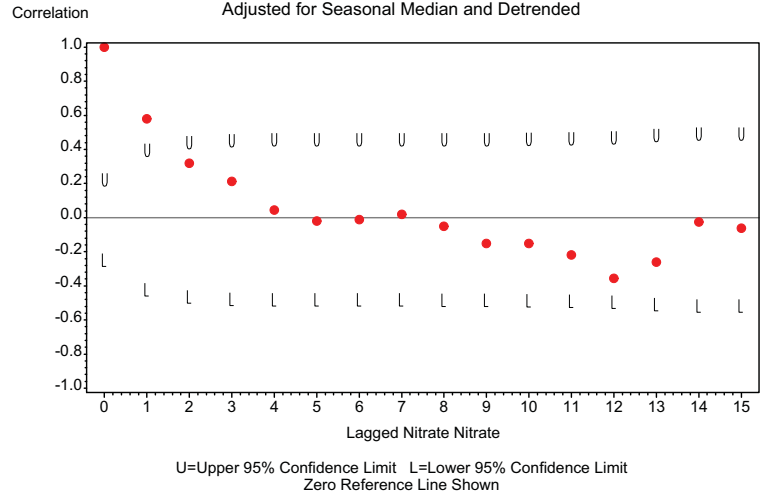
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



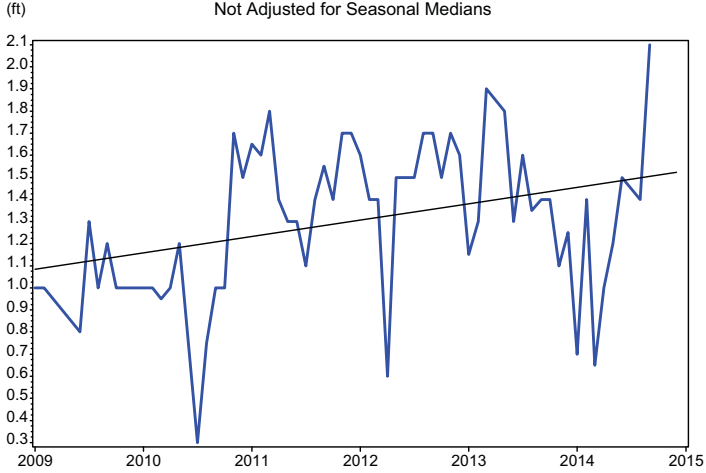
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.579	0.204	0.408	-0.408
2	0.319	0.226	0.452	-0.452
3	0.211	0.232	0.464	-0.464
4	0.044	0.235	0.469	-0.469
5	-0.021	0.235	0.469	-0.469
6	-0.011	0.235	0.469	-0.469
7	0.019	0.235	0.469	-0.469
8	-0.050	0.235	0.470	-0.470
9	-0.153	0.235	0.470	-0.470
10	-0.151	0.236	0.473	-0.473
11	-0.219	0.238	0.475	-0.475
12	-0.357	0.240	0.481	-0.481
13	-0.261	0.248	0.495	-0.495
14	-0.027	0.251	0.503	-0.503
15	-0.061	0.252	0.503	-0.503

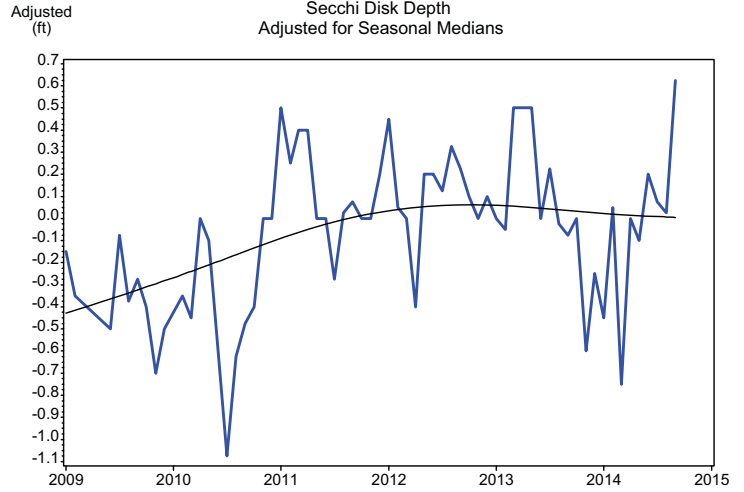
Rookery Bay West Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



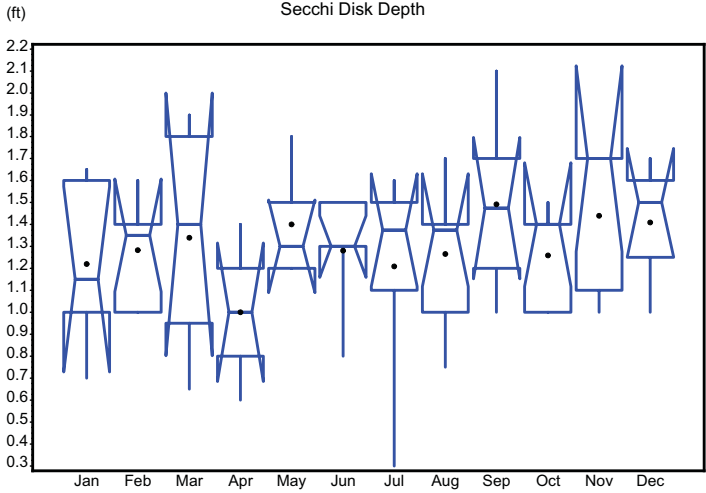
Rookery Bay West Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



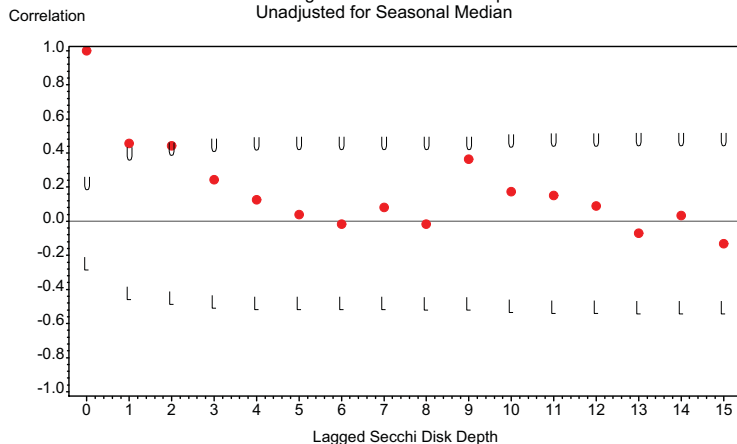
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.455	0.204	0.408	-0.408
2	0.442	0.218	0.436	-0.436
3	0.242	0.230	0.460	-0.460
4	0.126	0.233	0.467	-0.467
5	0.039	0.234	0.469	-0.469
6	-0.017	0.234	0.469	-0.469
7	0.081	0.234	0.469	-0.469
8	-0.016	0.235	0.470	-0.470
9	0.364	0.235	0.470	-0.470
10	0.174	0.243	0.485	-0.485
11	0.151	0.244	0.489	-0.489
12	0.088	0.246	0.491	-0.491
13	-0.071	0.246	0.492	-0.492
14	0.033	0.246	0.493	-0.493
15	-0.133	0.246	0.493	-0.493

Rookery Bay West Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



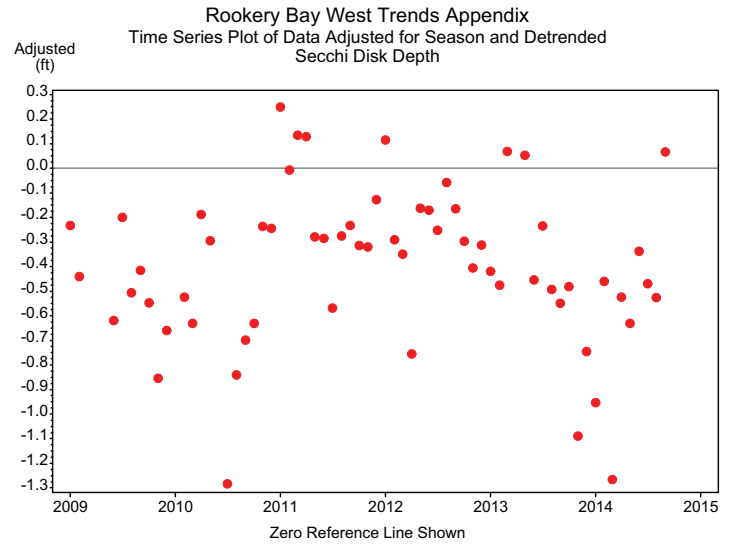
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.294	.009	0.211	0.084

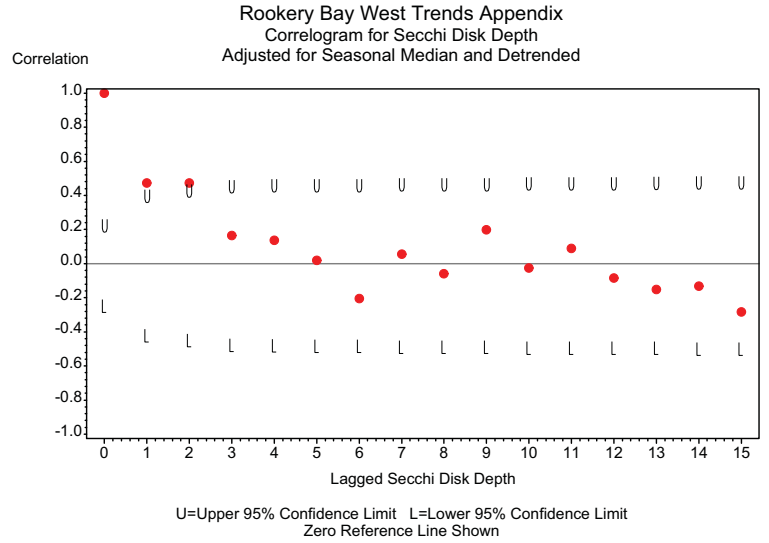
Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.29412	.00947976	0.21081	0.08375

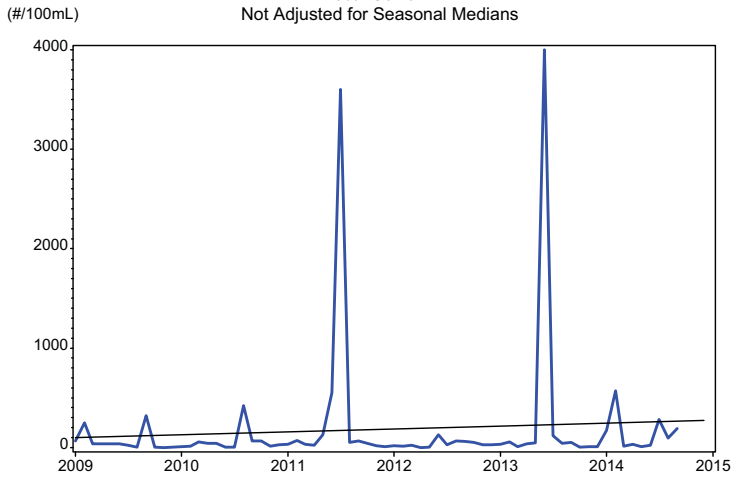


Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

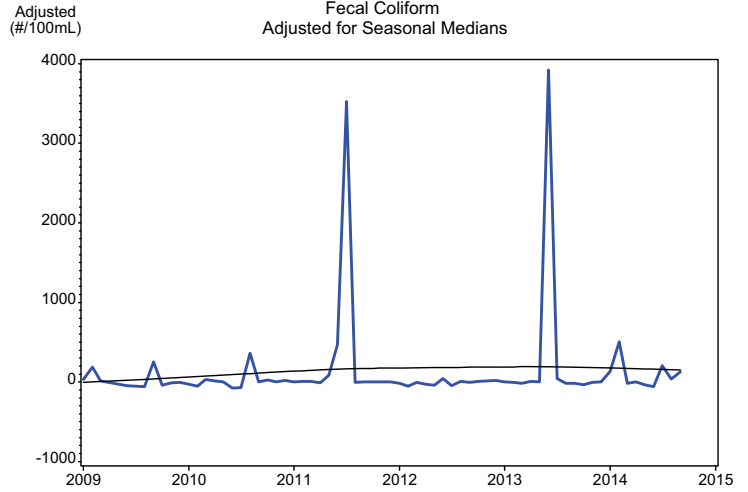
Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.474	0.204	0.408	-0.408
2	0.473	0.219	0.438	-0.438
3	0.166	0.233	0.465	-0.465
4	0.138	0.234	0.469	-0.469
5	0.019	0.235	0.471	-0.471
6	-0.206	0.235	0.471	-0.471
7	0.055	0.238	0.476	-0.476
8	-0.058	0.238	0.476	-0.476
9	0.197	0.238	0.477	-0.477
10	-0.027	0.241	0.481	-0.481
11	0.090	0.241	0.481	-0.481
12	-0.084	0.241	0.482	-0.482
13	-0.153	0.241	0.483	-0.483
14	-0.131	0.243	0.486	-0.486
15	-0.283	0.244	0.488	-0.488



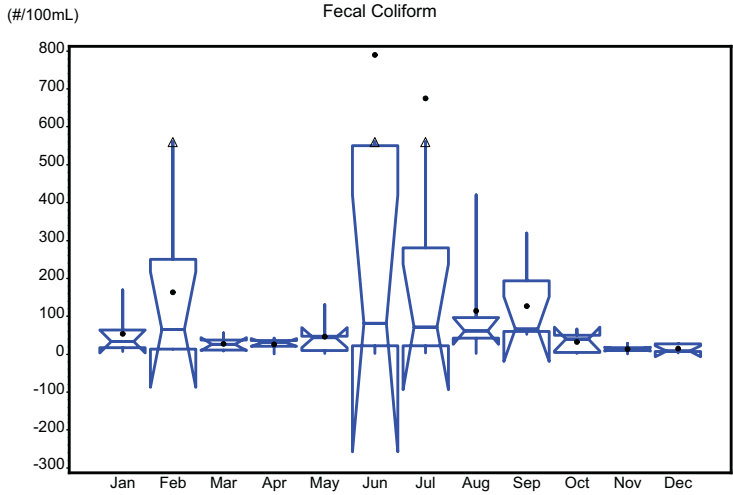
Rookery Bay West Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Rookery Bay West Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



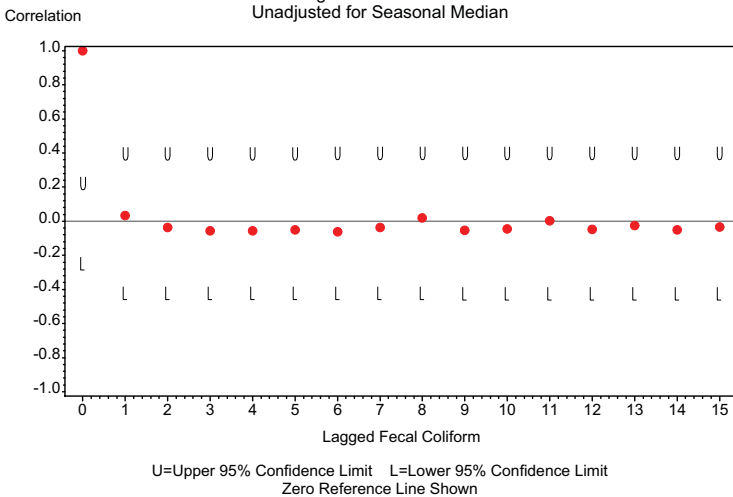
Rookery Bay West Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Rookery Bay West Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.032	0.204	0.408	-0.408
2	-0.036	0.204	0.408	-0.408
3	-0.057	0.204	0.409	-0.409
4	-0.057	0.205	0.409	-0.409
5	-0.051	0.205	0.409	-0.409
6	-0.061	0.205	0.410	-0.410
7	-0.037	0.205	0.410	-0.410
8	0.019	0.205	0.410	-0.410
9	-0.054	0.205	0.411	-0.411
10	-0.045	0.205	0.411	-0.411
11	0.003	0.206	0.411	-0.411
12	-0.049	0.206	0.411	-0.411
13	-0.027	0.206	0.412	-0.412
14	-0.051	0.206	0.412	-0.412
15	-0.034	0.206	0.412	-0.412

Rookery Bay West Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



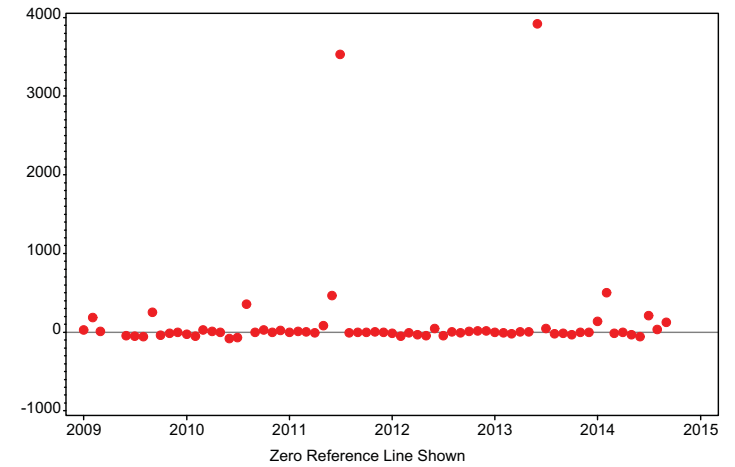
Rookery Bay West Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.006	1	1	0

Rookery Bay West Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope
.00645161	1	1	0

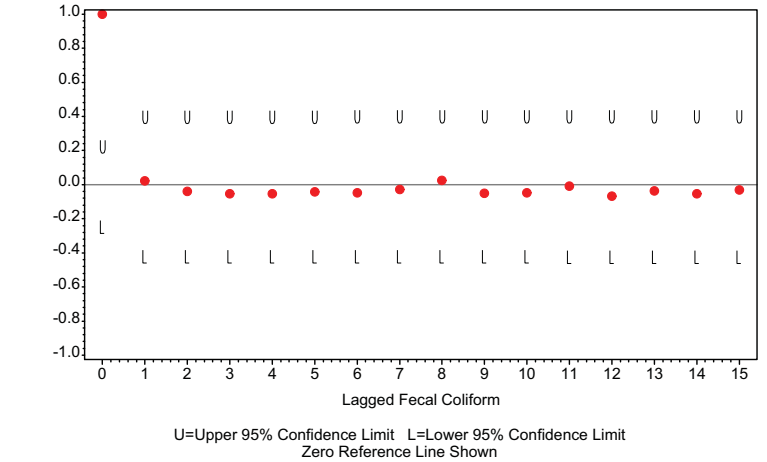
Rookery Bay West Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



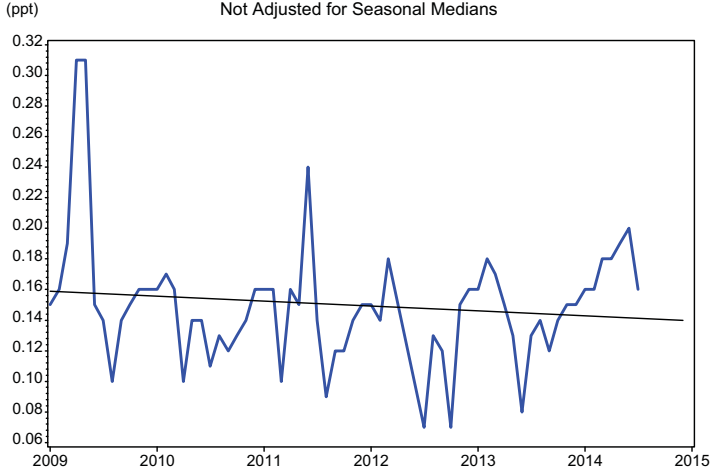
Rookery Bay West Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.022	0.204	0.408	-0.408
2	-0.039	0.204	0.408	-0.408
3	-0.054	0.204	0.409	-0.409
4	-0.054	0.204	0.409	-0.409
5	-0.043	0.205	0.409	-0.409
6	-0.047	0.205	0.410	-0.410
7	-0.028	0.205	0.410	-0.410
8	0.025	0.205	0.410	-0.410
9	-0.052	0.205	0.410	-0.410
10	-0.049	0.205	0.410	-0.410
11	-0.008	0.205	0.411	-0.411
12	-0.069	0.205	0.411	-0.411
13	-0.038	0.206	0.411	-0.411
14	-0.054	0.206	0.412	-0.412
15	-0.031	0.206	0.412	-0.412

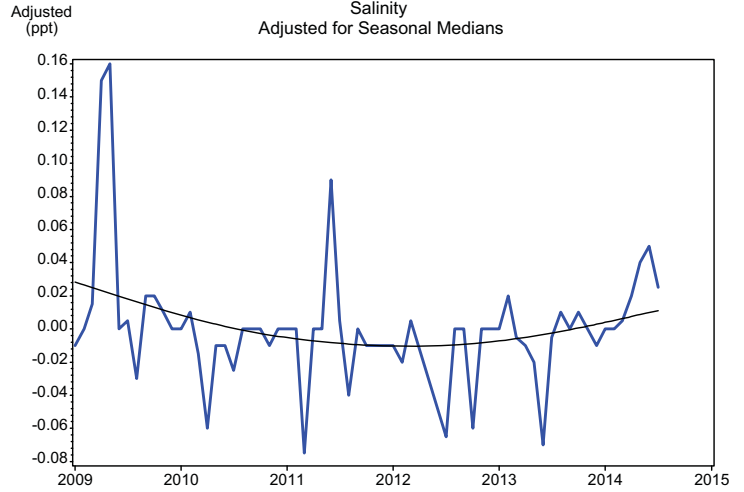
Rookery Bay West Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



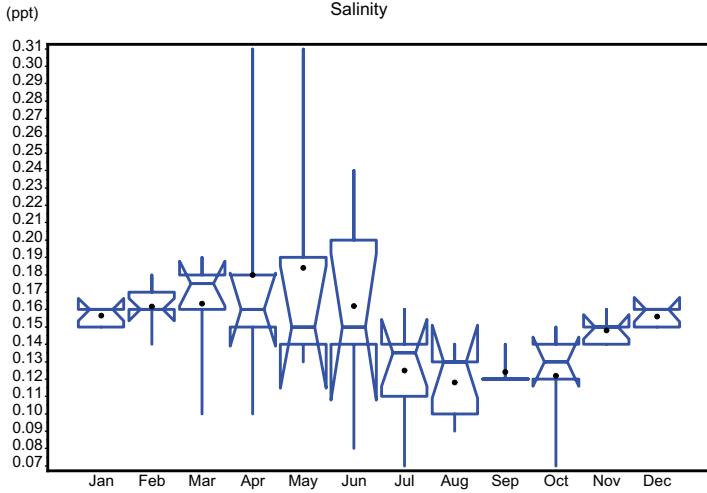
Silver Strand Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



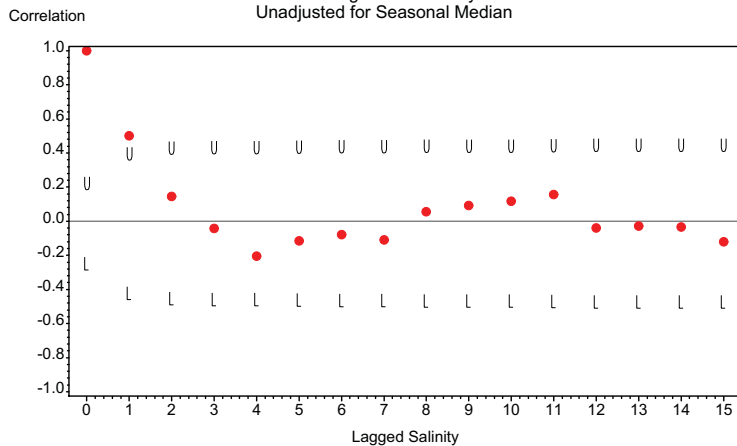
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Salinity



Silver Strand Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.500	0.204	0.408	-0.408
2	0.144	0.220	0.441	-0.441
3	-0.043	0.222	0.444	-0.444
4	-0.205	0.222	0.444	-0.444
5	-0.114	0.225	0.449	-0.449
6	-0.080	0.225	0.451	-0.451
7	-0.111	0.226	0.451	-0.451
8	0.056	0.226	0.453	-0.453
9	0.093	0.227	0.453	-0.453
10	0.118	0.227	0.454	-0.454
11	0.156	0.228	0.456	-0.456
12	-0.041	0.229	0.459	-0.459
13	-0.029	0.230	0.459	-0.459
14	-0.035	0.230	0.459	-0.459
15	-0.122	0.230	0.459	-0.459

Silver Strand Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median



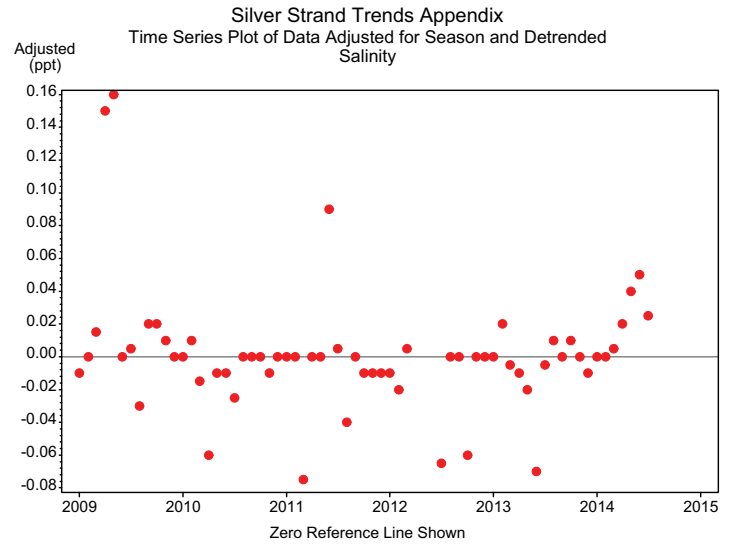
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.021	0.892	0.923	0

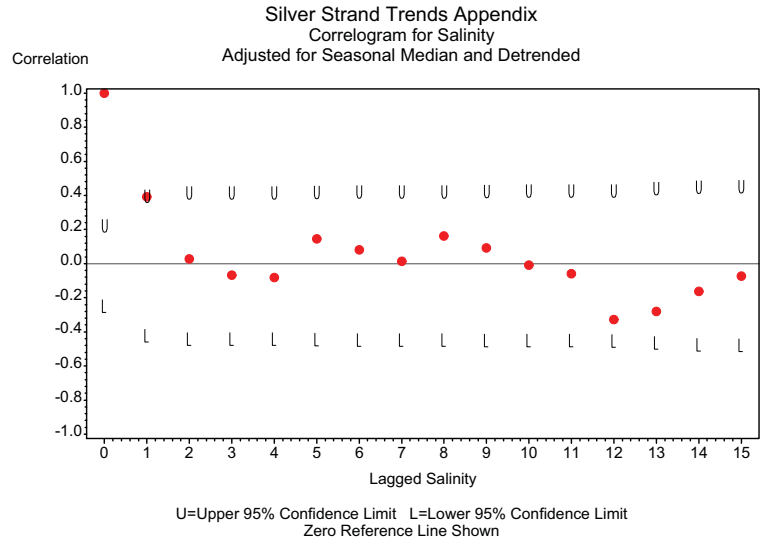
Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.021429	0.89151	0.92278	0

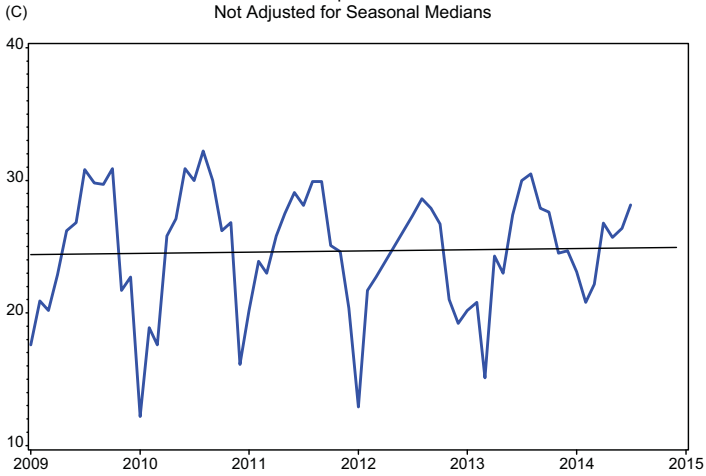


Silver Strand Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

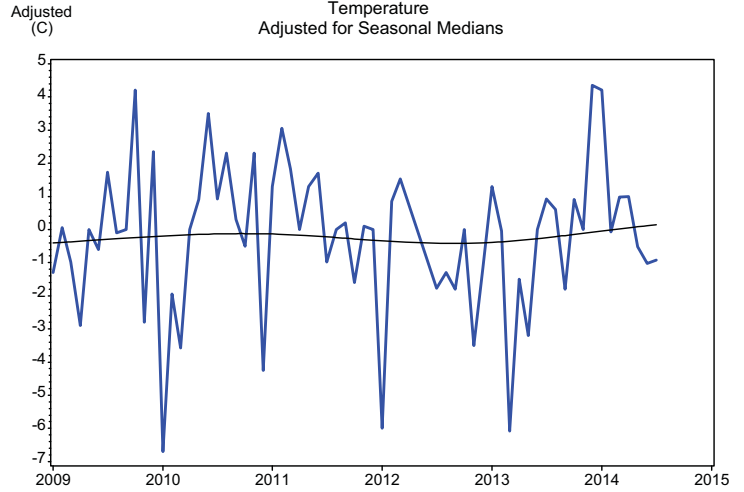
Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.392	0.204	0.408	-0.408
2	0.028	0.214	0.429	-0.429
3	-0.069	0.214	0.429	-0.429
4	-0.083	0.215	0.429	-0.429
5	0.144	0.215	0.430	-0.430
6	0.080	0.216	0.433	-0.433
7	0.013	0.217	0.434	-0.434
8	0.162	0.217	0.434	-0.434
9	0.093	0.219	0.437	-0.437
10	-0.008	0.219	0.438	-0.438
11	-0.060	0.219	0.438	-0.438
12	-0.329	0.219	0.439	-0.439
13	-0.281	0.226	0.452	-0.452
14	-0.162	0.231	0.462	-0.462
15	-0.073	0.232	0.465	-0.465



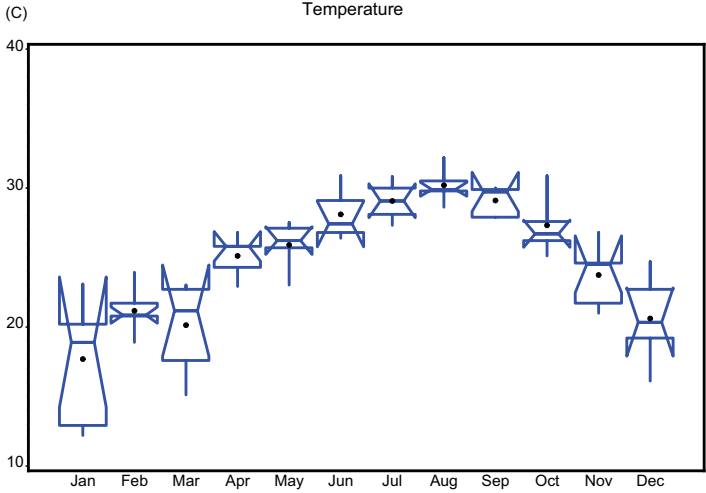
Silver Strand Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



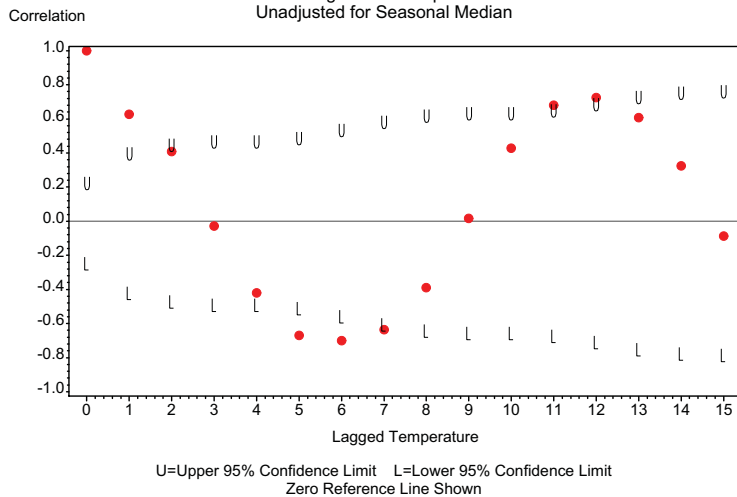
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Temperature



Silver Strand Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.627	0.204	0.408	-0.408
2	0.407	0.229	0.459	-0.459
3	-0.028	0.239	0.478	-0.478
4	-0.421	0.239	0.478	-0.478
5	-0.671	0.249	0.499	-0.499
6	-0.701	0.273	0.546	-0.546
7	-0.635	0.297	0.594	-0.594
8	-0.389	0.315	0.631	-0.631
9	0.015	0.322	0.644	-0.644
10	0.428	0.322	0.644	-0.644
11	0.680	0.330	0.660	-0.660
12	0.725	0.349	0.697	-0.697
13	0.606	0.369	0.738	-0.738
14	0.323	0.383	0.765	-0.765
15	-0.087	0.386	0.773	-0.773

Silver Strand Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



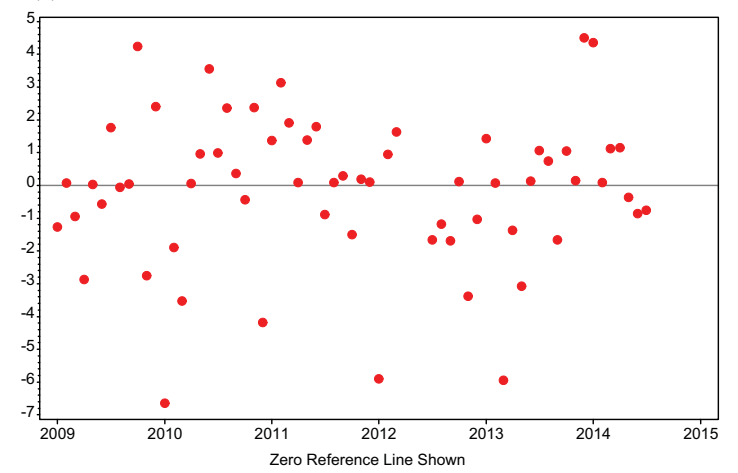
Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.057	0.653	0.633	-0.024

Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.057143	0.65317	0.63282	-0.0245

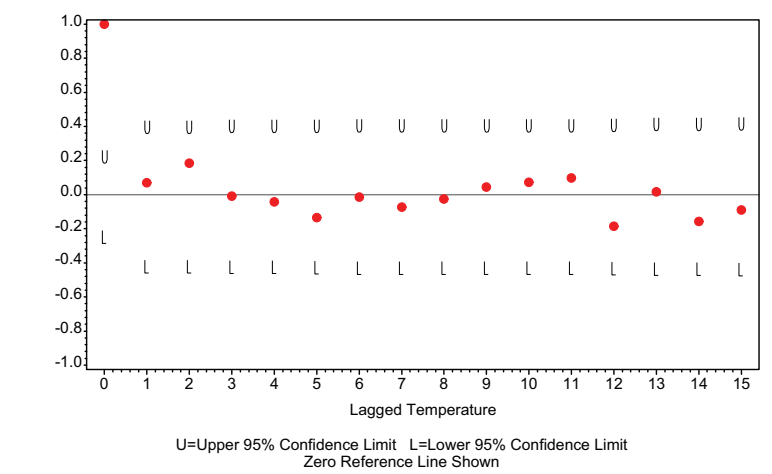
Silver Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



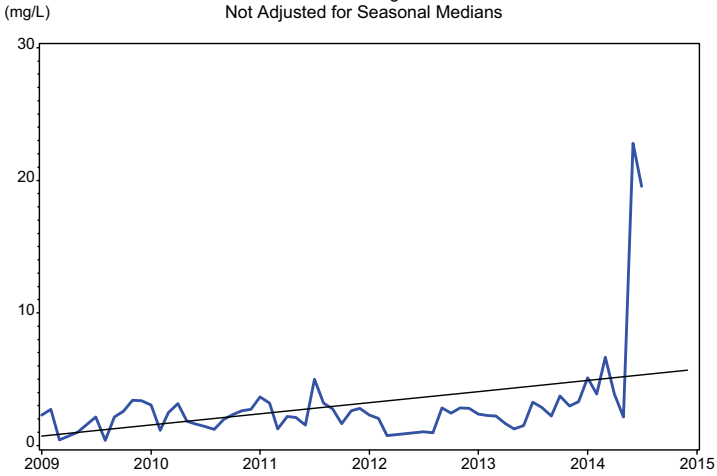
Silver Strand Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.070	0.204	0.408	-0.408
2	0.183	0.204	0.409	-0.409
3	-0.010	0.207	0.413	-0.413
4	-0.043	0.207	0.413	-0.413
5	-0.135	0.207	0.414	-0.414
6	-0.015	0.208	0.416	-0.416
7	-0.072	0.208	0.416	-0.416
8	-0.026	0.208	0.417	-0.417
9	0.045	0.208	0.417	-0.417
10	0.072	0.209	0.417	-0.417
11	0.097	0.209	0.418	-0.418
12	-0.185	0.210	0.419	-0.419
13	0.015	0.212	0.424	-0.424
14	-0.157	0.212	0.424	-0.424
15	-0.090	0.213	0.427	-0.427

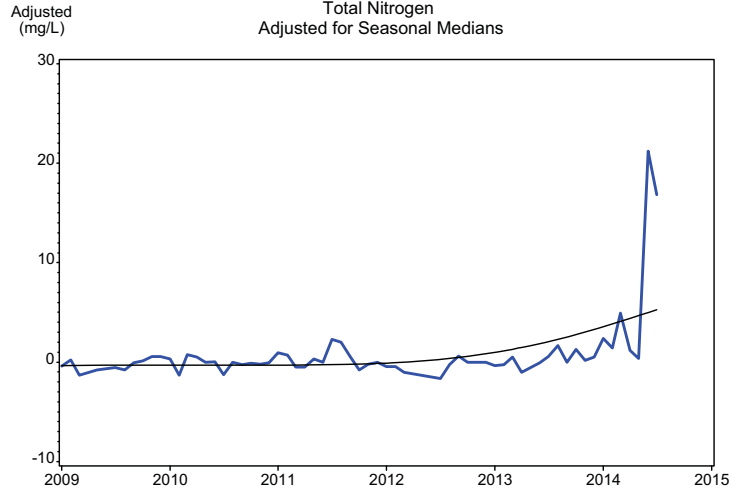
Silver Strand Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



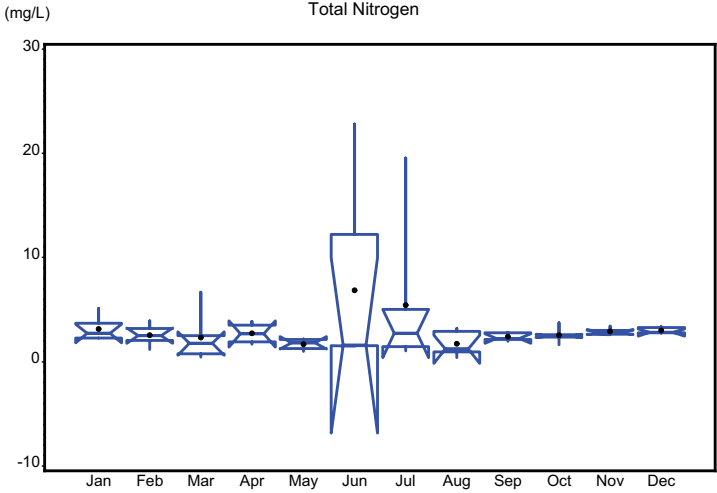
Silver Strand Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



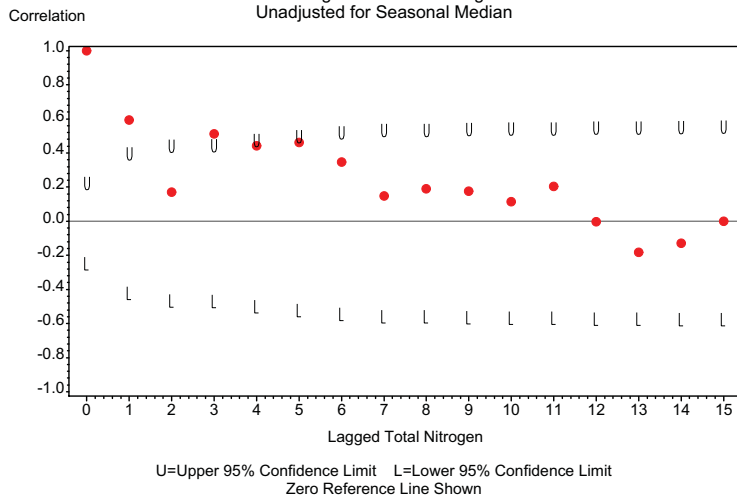
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Silver Strand Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.593	0.204	0.408	-0.408
2	0.169	0.227	0.454	-0.454
3	0.513	0.229	0.457	-0.457
4	0.441	0.244	0.488	-0.488
5	0.462	0.255	0.510	-0.510
6	0.348	0.266	0.532	-0.532
7	0.149	0.272	0.545	-0.545
8	0.190	0.274	0.547	-0.547
9	0.177	0.275	0.551	-0.551
10	0.113	0.277	0.554	-0.554
11	0.205	0.278	0.555	-0.555
12	-0.003	0.280	0.559	-0.559
13	-0.183	0.280	0.559	-0.559
14	-0.129	0.281	0.563	-0.563
15	0.000	0.282	0.564	-0.564

Silver Strand Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median

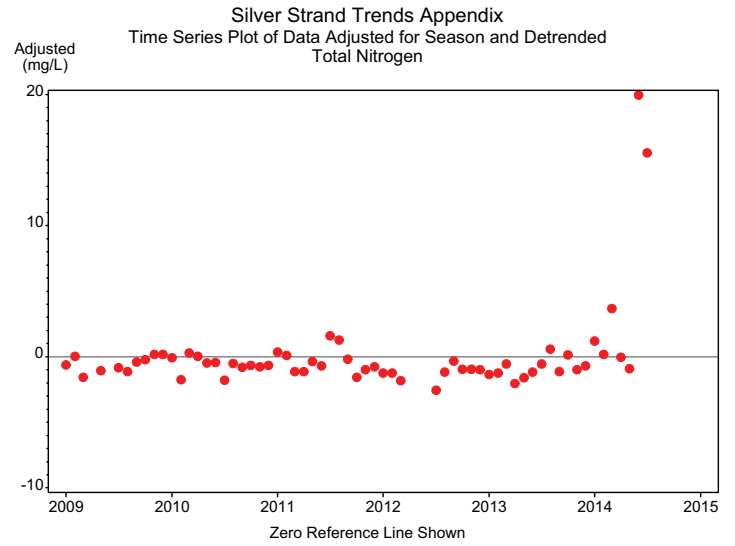


Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.288	0.015	0.128	0.199

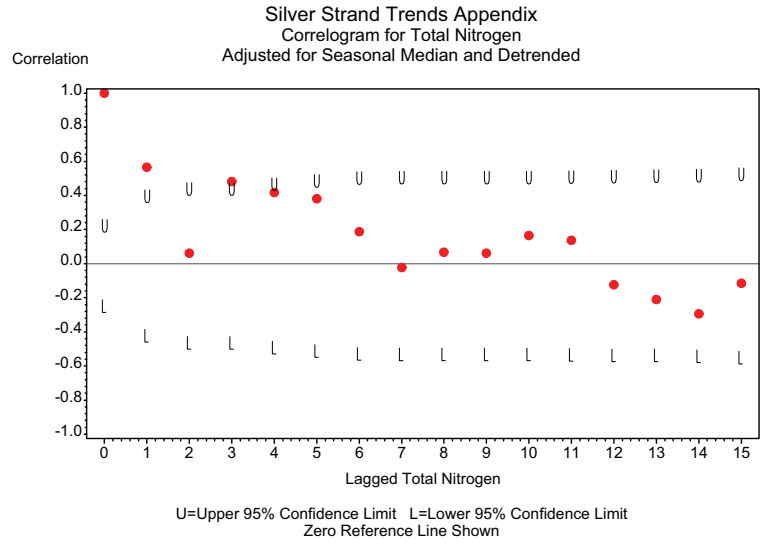
Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.28788	0.014843	0.12791	0.19975

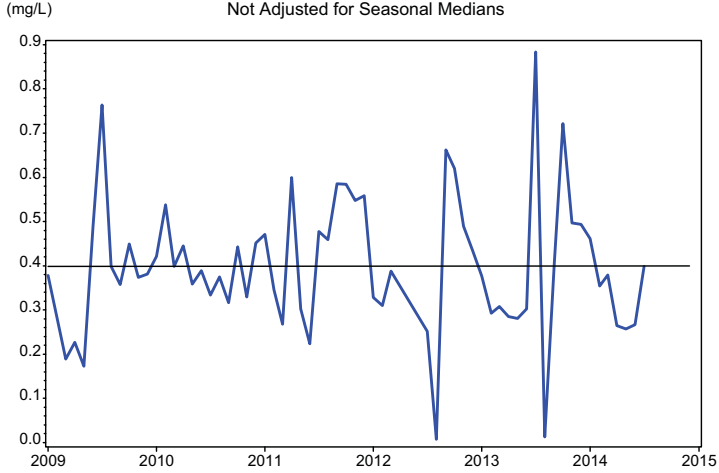


Silver Strand Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

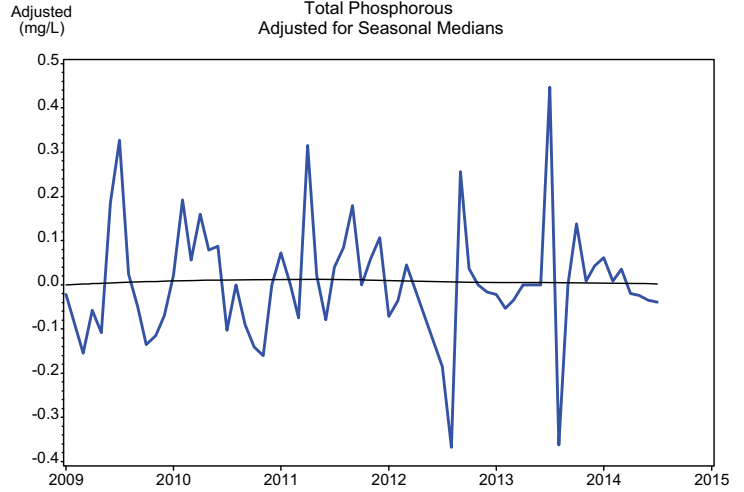
Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.564	0.204	0.408	-0.408
2	0.062	0.225	0.450	-0.450
3	0.481	0.225	0.450	-0.450
4	0.418	0.239	0.478	-0.478
5	0.381	0.249	0.498	-0.498
6	0.186	0.257	0.514	-0.514
7	-0.022	0.259	0.517	-0.517
8	0.068	0.259	0.517	-0.517
9	0.061	0.259	0.518	-0.518
10	0.164	0.259	0.518	-0.518
11	0.138	0.261	0.521	-0.521
12	-0.125	0.262	0.523	-0.523
13	-0.210	0.262	0.525	-0.525
14	-0.294	0.265	0.529	-0.529
15	-0.115	0.269	0.538	-0.538



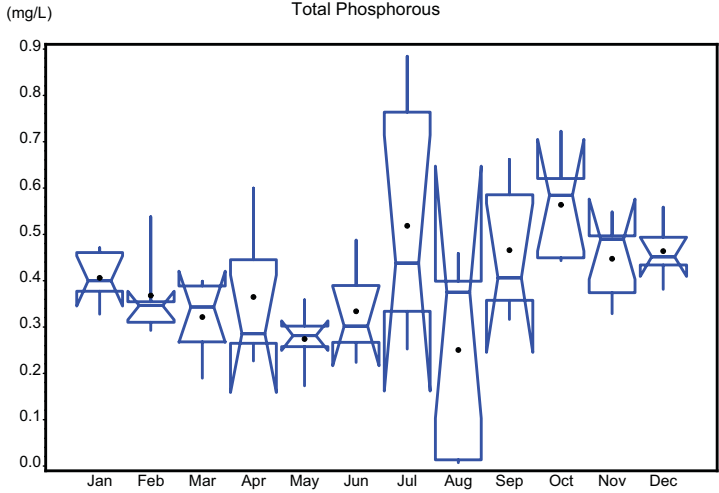
Silver Strand Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



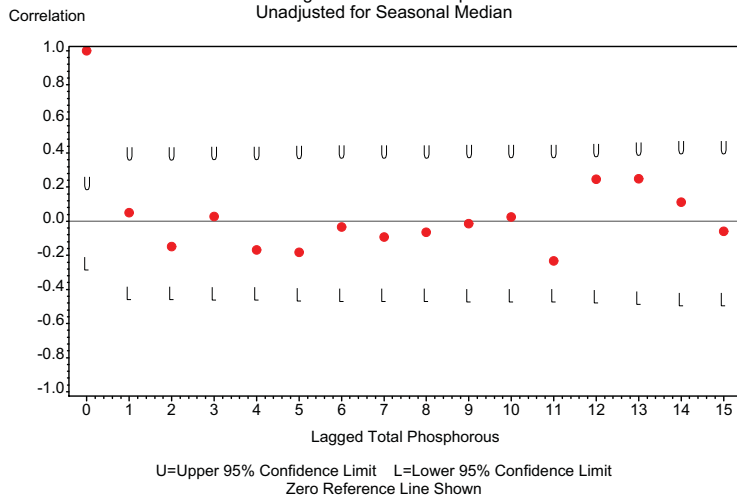
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Silver Strand Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.051	0.204	0.408	-0.408
2	-0.148	0.204	0.409	-0.409
3	0.027	0.206	0.412	-0.412
4	-0.169	0.206	0.412	-0.412
5	-0.182	0.208	0.416	-0.416
6	-0.034	0.210	0.420	-0.420
7	-0.094	0.210	0.420	-0.420
8	-0.065	0.211	0.421	-0.421
9	-0.015	0.211	0.422	-0.422
10	0.024	0.211	0.422	-0.422
11	-0.234	0.211	0.422	-0.422
12	0.246	0.215	0.429	-0.429
13	0.248	0.218	0.437	-0.437
14	0.111	0.222	0.445	-0.445
15	-0.059	0.223	0.446	-0.446

Silver Strand Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



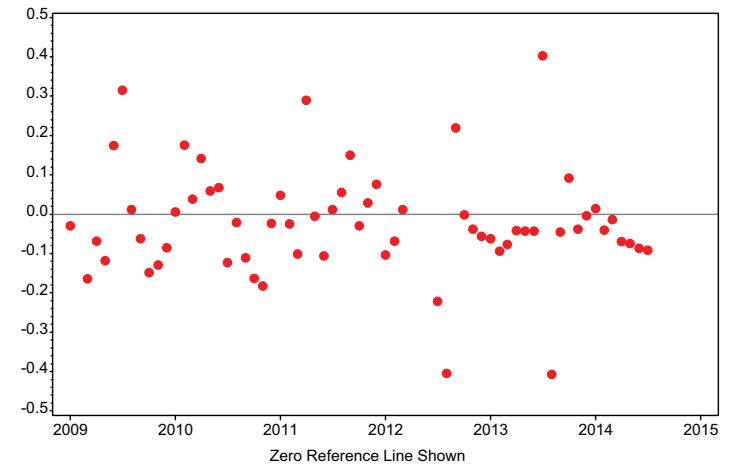
Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.052	0.696	0.721	.008

Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.051852	0.69550	0.72103	.008

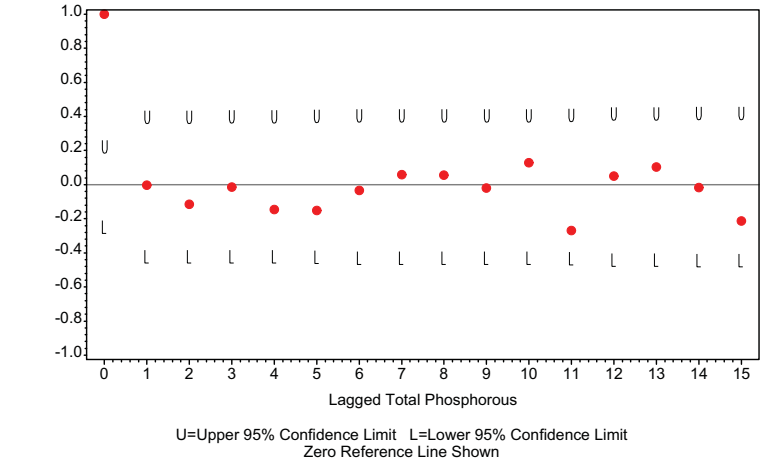
Silver Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



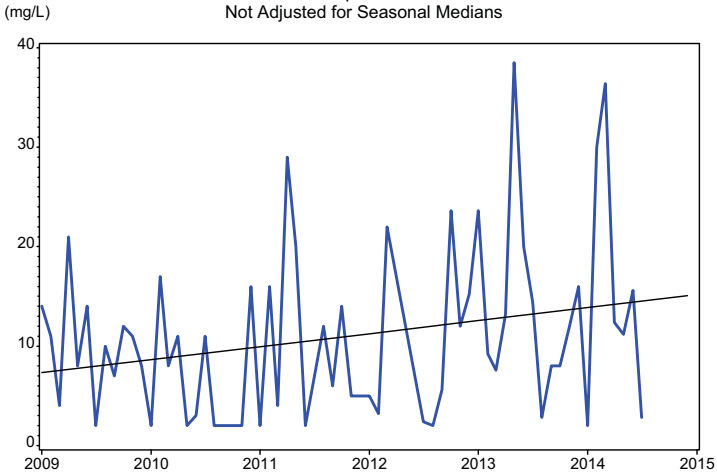
Silver Strand Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.003	0.204	0.408	-0.408
2	-0.114	0.204	0.408	-0.408
3	-0.014	0.205	0.410	-0.410
4	-0.145	0.205	0.410	-0.410
5	-0.151	0.206	0.413	-0.413
6	-0.035	0.208	0.416	-0.416
7	0.059	0.208	0.416	-0.416
8	0.056	0.208	0.417	-0.417
9	-0.021	0.209	0.417	-0.417
10	0.127	0.209	0.417	-0.417
11	-0.268	0.210	0.419	-0.419
12	0.050	0.214	0.429	-0.429
13	0.104	0.214	0.429	-0.429
14	-0.016	0.215	0.430	-0.430
15	-0.212	0.215	0.430	-0.430

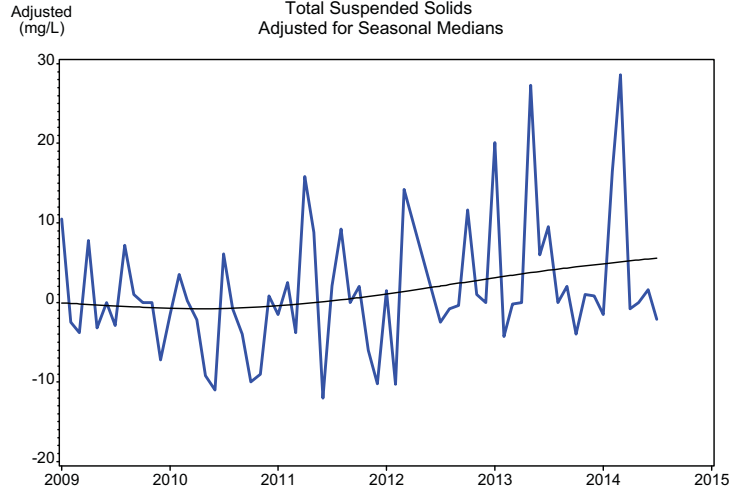
Silver Strand Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



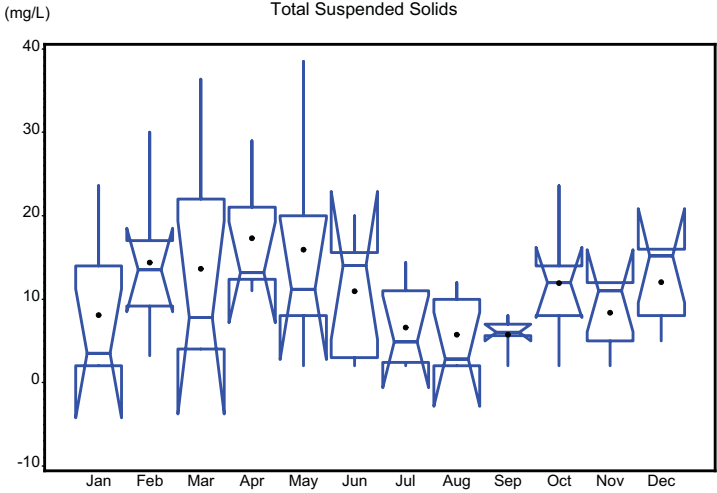
Silver Strand Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



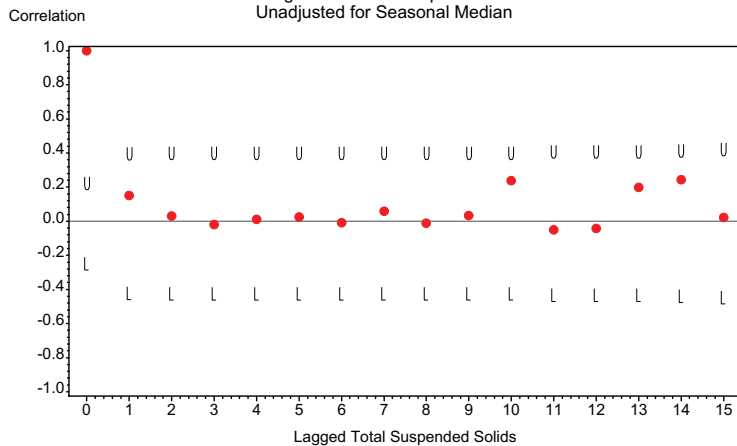
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Silver Strand Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.151	0.204	0.408	-0.408
2	0.029	0.206	0.411	-0.411
3	-0.019	0.206	0.411	-0.411
4	0.012	0.206	0.412	-0.412
5	0.024	0.206	0.412	-0.412
6	-0.008	0.206	0.412	-0.412
7	0.059	0.206	0.412	-0.412
8	-0.012	0.206	0.412	-0.412
9	0.033	0.206	0.412	-0.412
10	0.238	0.206	0.412	-0.412
11	-0.051	0.210	0.420	-0.420
12	-0.043	0.210	0.420	-0.420
13	0.199	0.210	0.420	-0.420
14	0.244	0.213	0.426	-0.426
15	0.022	0.217	0.433	-0.433

Silver Strand Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



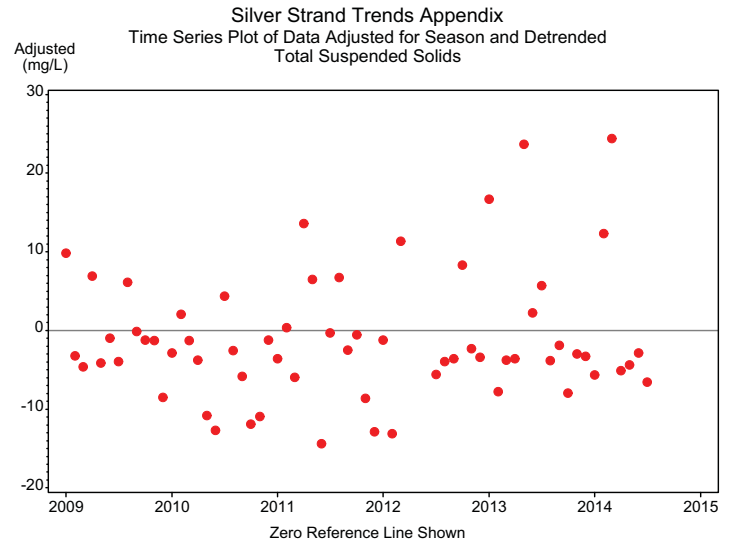
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.193	0.093	0.163	0.687

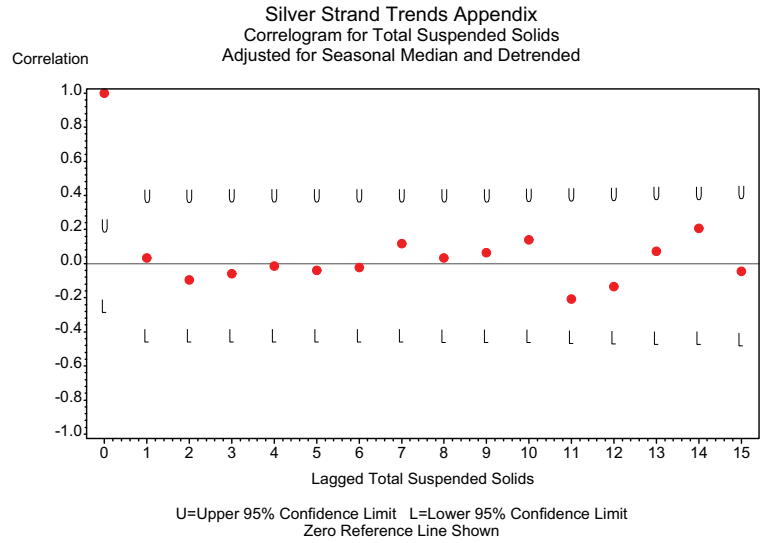
Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.19286	0.092608	0.16279	0.68667

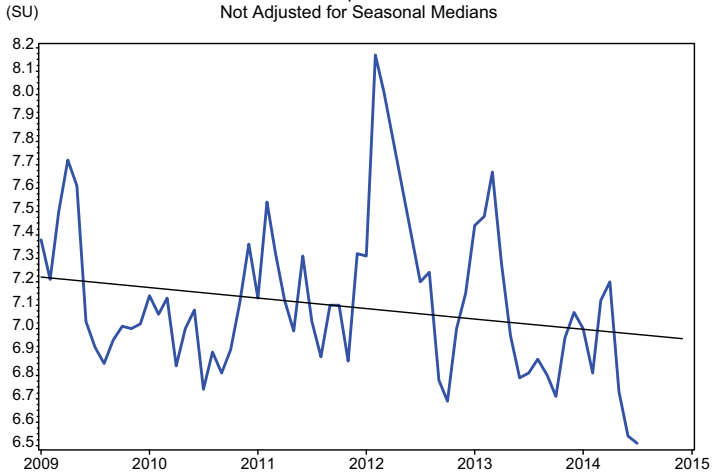


Silver Strand Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

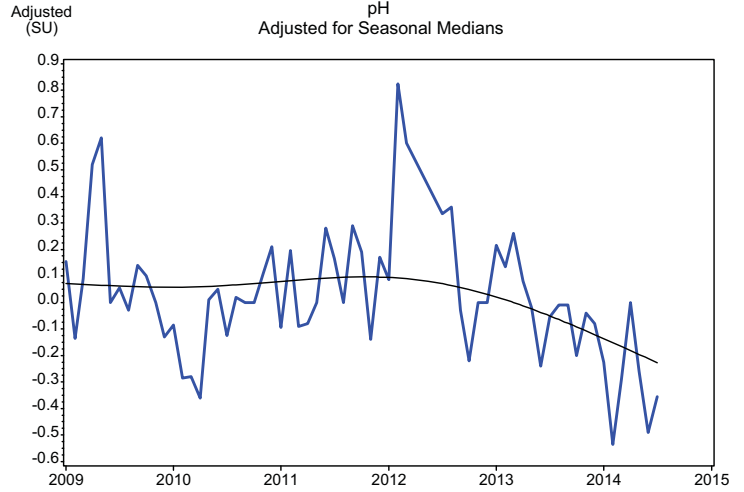
Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.033	0.204	0.408	-0.408
2	-0.095	0.204	0.408	-0.408
3	-0.059	0.205	0.410	-0.410
4	-0.015	0.205	0.410	-0.410
5	-0.039	0.205	0.410	-0.410
6	-0.022	0.205	0.410	-0.410
7	0.116	0.205	0.410	-0.410
8	0.034	0.206	0.412	-0.412
9	0.063	0.206	0.412	-0.412
10	0.139	0.206	0.413	-0.413
11	-0.209	0.208	0.416	-0.416
12	-0.136	0.211	0.421	-0.421
13	0.072	0.212	0.424	-0.424
14	0.206	0.212	0.424	-0.424
15	-0.045	0.215	0.430	-0.430



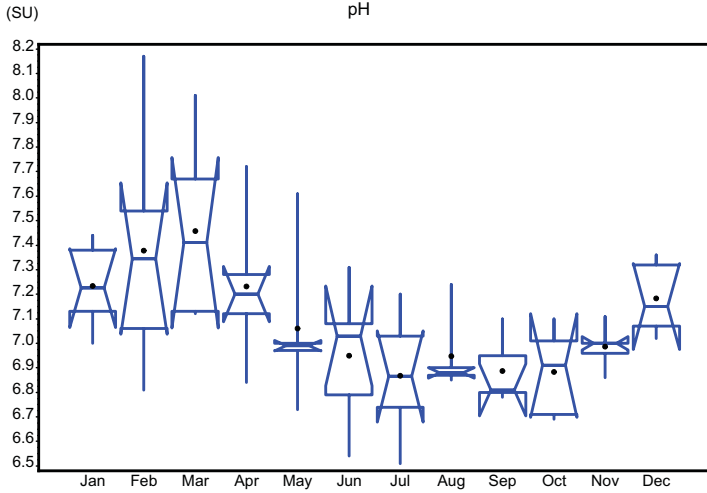
Silver Strand Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



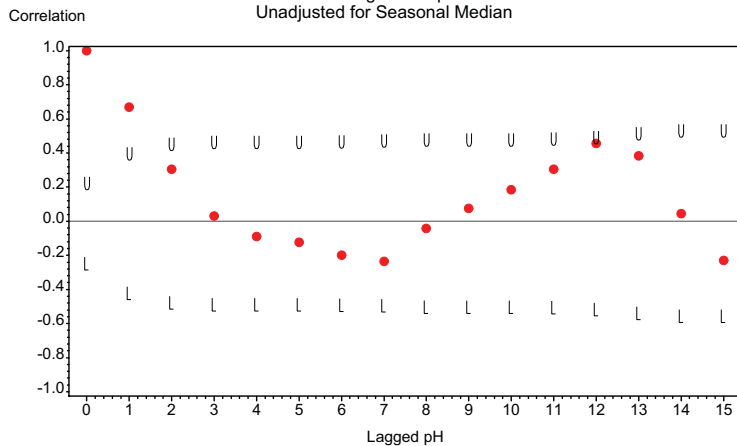
Silver Strand Trends Appendix
Seasonal Univariate Statistics
pH



Silver Strand Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.668	0.204	0.408	-0.408
2	0.304	0.233	0.465	-0.465
3	0.030	0.238	0.476	-0.476
4	-0.089	0.238	0.476	-0.476
5	-0.125	0.239	0.477	-0.477
6	-0.199	0.239	0.479	-0.479
7	-0.235	0.242	0.483	-0.483
8	-0.043	0.245	0.490	-0.490
9	0.074	0.245	0.490	-0.490
10	0.184	0.245	0.491	-0.491
11	0.306	0.247	0.494	-0.494
12	0.457	0.252	0.505	-0.505
13	0.382	0.264	0.527	-0.527
14	0.045	0.271	0.542	-0.542
15	-0.231	0.271	0.543	-0.543

Silver Strand Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



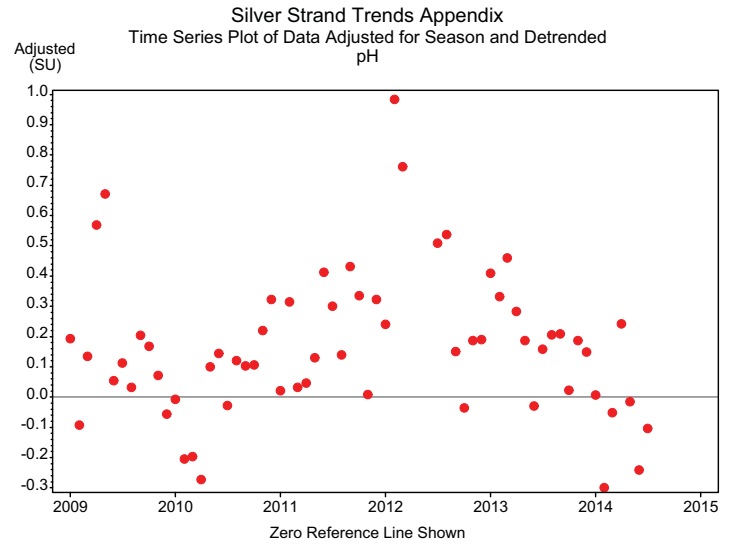
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.236	0.041	0.136	-0.039

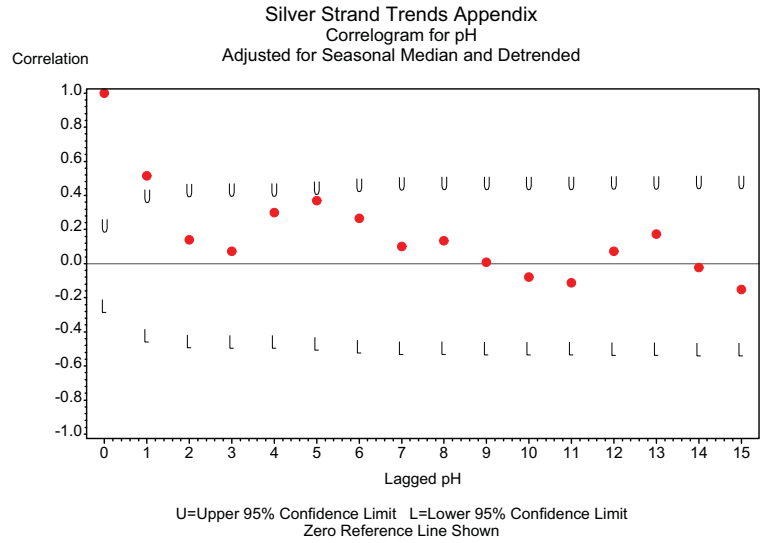
Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23571	0.041189	0.13641	-0.03875

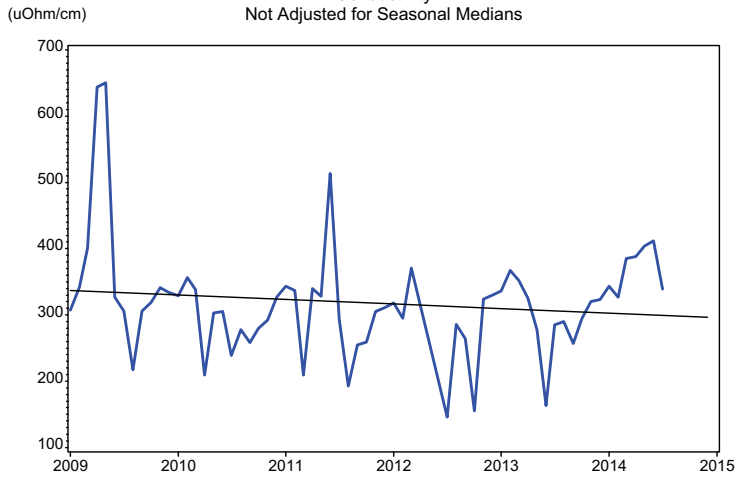


Silver Strand Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

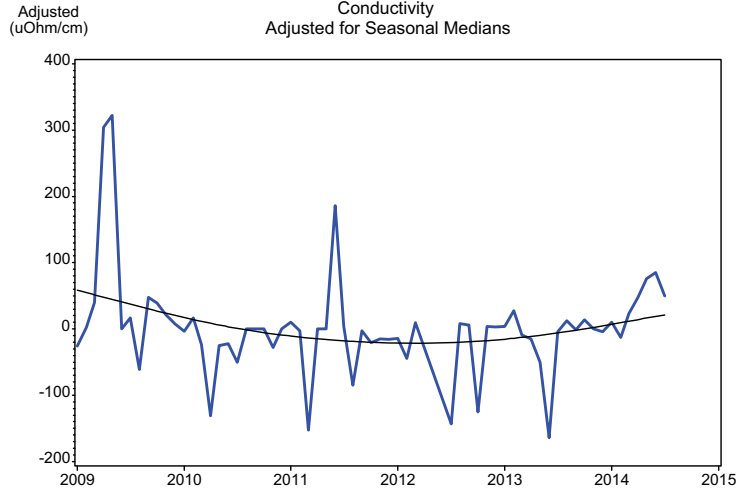
Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.515	0.204	0.408	-0.408
2	0.140	0.221	0.443	-0.443
3	0.071	0.223	0.445	-0.445
4	0.299	0.223	0.446	-0.446
5	0.370	0.228	0.457	-0.457
6	0.265	0.237	0.473	-0.473
7	0.099	0.241	0.482	-0.482
8	0.134	0.241	0.483	-0.483
9	0.007	0.242	0.485	-0.485
10	-0.080	0.242	0.485	-0.485
11	-0.113	0.243	0.485	-0.485
12	0.072	0.243	0.487	-0.487
13	0.173	0.244	0.488	-0.488
14	-0.022	0.245	0.491	-0.491
15	-0.153	0.245	0.491	-0.491



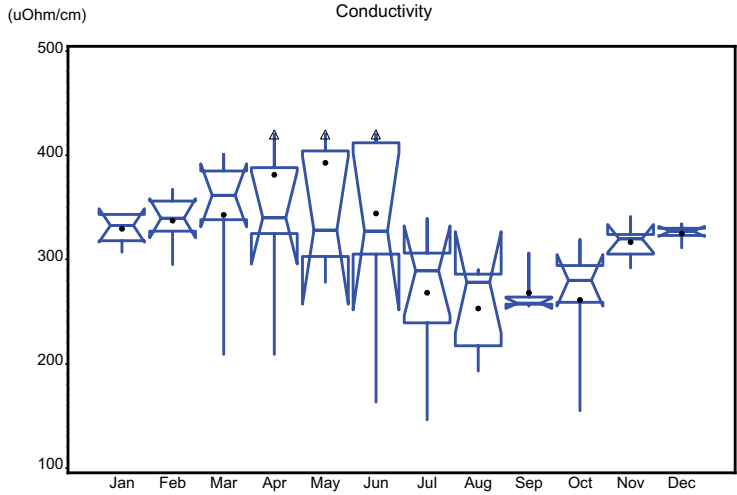
Silver Strand Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



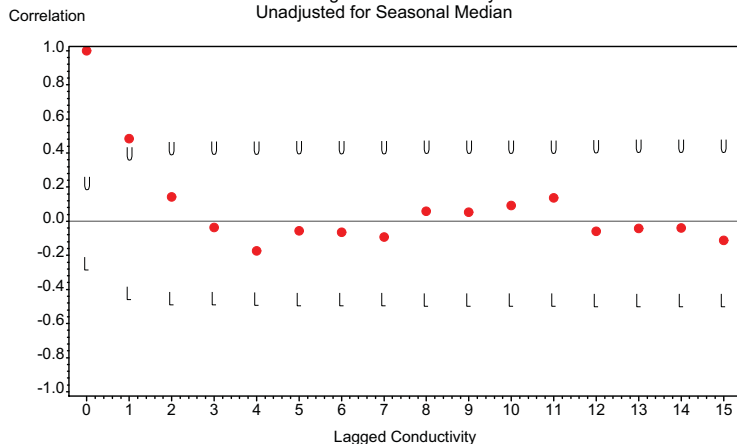
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Conductivity



Silver Strand Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.483	0.204	0.408	-0.408
2	0.141	0.219	0.439	-0.439
3	-0.038	0.221	0.441	-0.441
4	-0.174	0.221	0.442	-0.442
5	-0.057	0.223	0.445	-0.445
6	-0.065	0.223	0.446	-0.446
7	-0.093	0.223	0.446	-0.446
8	0.057	0.224	0.447	-0.447
9	0.053	0.224	0.448	-0.448
10	0.091	0.224	0.448	-0.448
11	0.138	0.225	0.449	-0.449
12	-0.058	0.226	0.451	-0.451
13	-0.042	0.226	0.452	-0.452
14	-0.040	0.226	0.452	-0.452
15	-0.113	0.226	0.452	-0.452

Silver Strand Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median



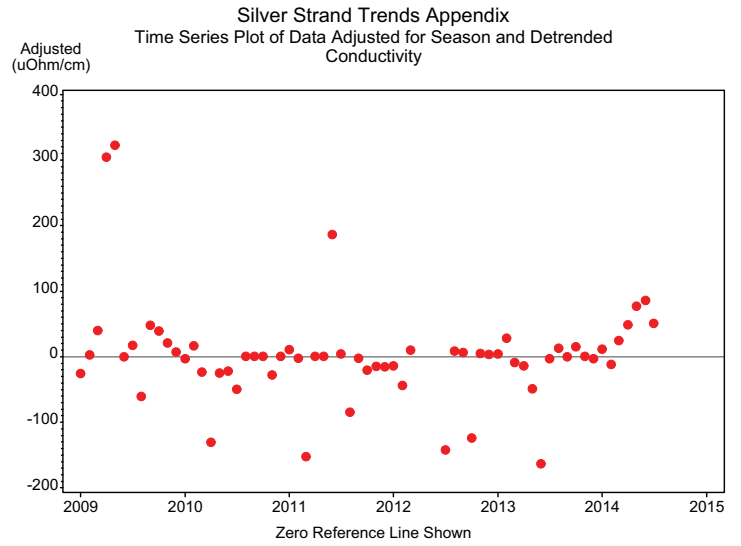
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.07	1	1	-0.167

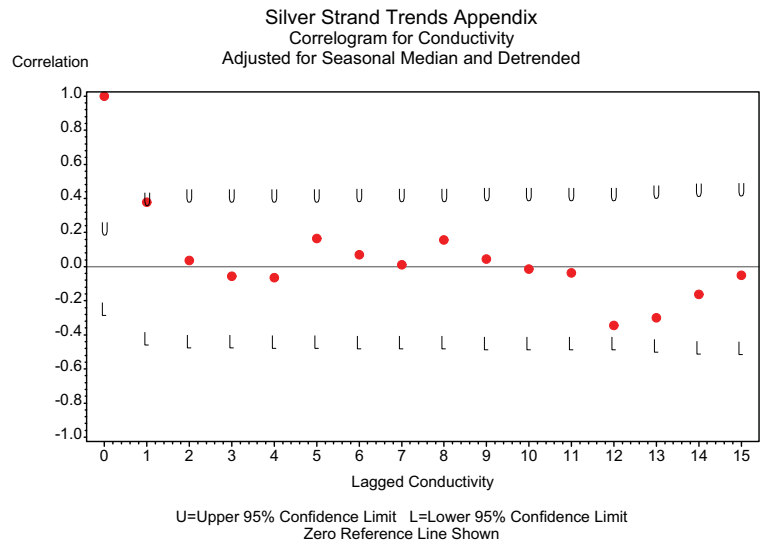
Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.00714286	1	1	-0.16667

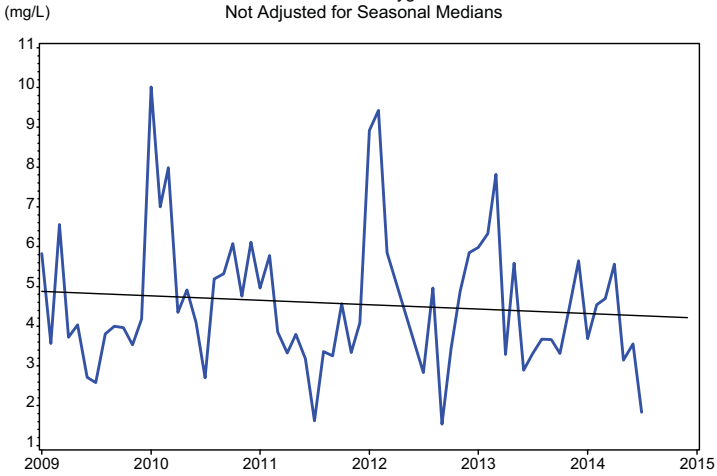


Silver Strand Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

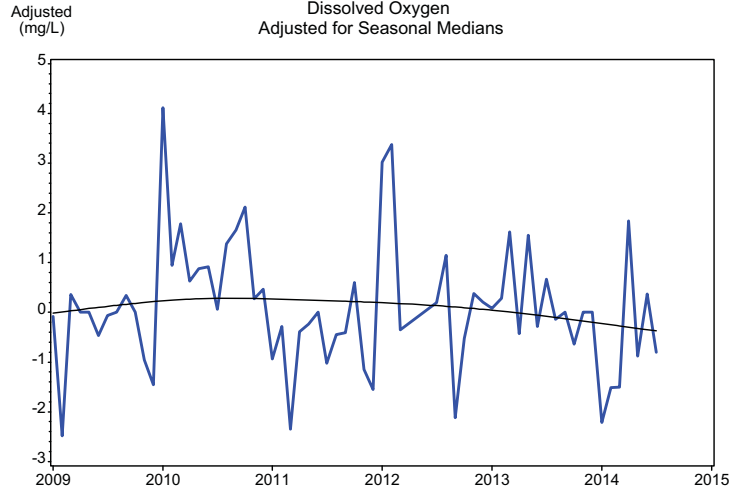
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.378	0.204	0.408	-0.408
2	0.036	0.214	0.427	-0.427
3	-0.056	0.214	0.427	-0.427
4	-0.065	0.214	0.428	-0.428
5	0.164	0.214	0.428	-0.428
6	0.069	0.216	0.432	-0.432
7	0.012	0.216	0.432	-0.432
8	0.157	0.216	0.432	-0.432
9	0.044	0.218	0.436	-0.436
10	-0.015	0.218	0.436	-0.436
11	-0.037	0.218	0.436	-0.436
12	-0.344	0.218	0.436	-0.436
13	-0.300	0.225	0.451	-0.451
14	-0.164	0.231	0.462	-0.462
15	-0.051	0.233	0.465	-0.465



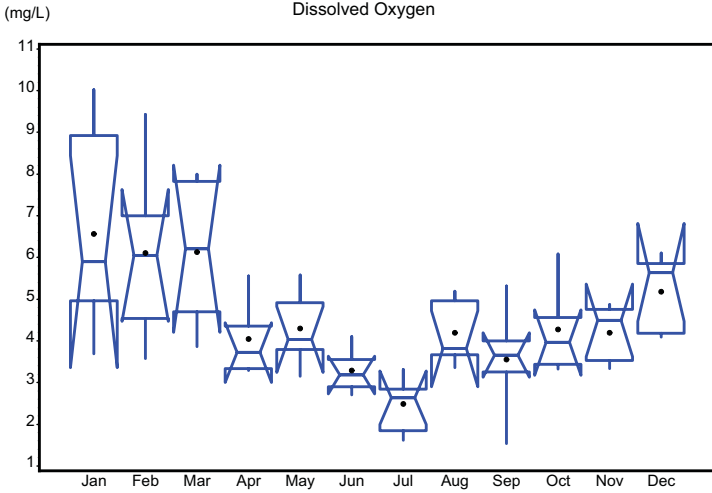
Silver Strand Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



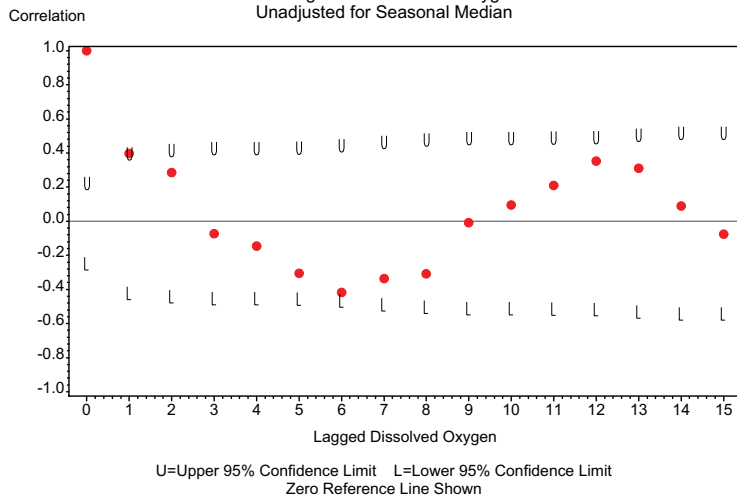
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Silver Strand Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.397	0.204	0.408	-0.408
2	0.285	0.215	0.429	-0.429
3	-0.074	0.220	0.440	-0.440
4	-0.146	0.220	0.440	-0.440
5	-0.307	0.221	0.443	-0.443
6	-0.419	0.227	0.455	-0.455
7	-0.337	0.238	0.476	-0.476
8	-0.309	0.244	0.489	-0.489
9	-0.010	0.250	0.499	-0.499
10	0.095	0.250	0.499	-0.499
11	0.210	0.250	0.500	-0.500
12	0.351	0.253	0.505	-0.505
13	0.309	0.259	0.519	-0.519
14	0.088	0.264	0.529	-0.529
15	-0.076	0.265	0.530	-0.530

Silver Strand Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median



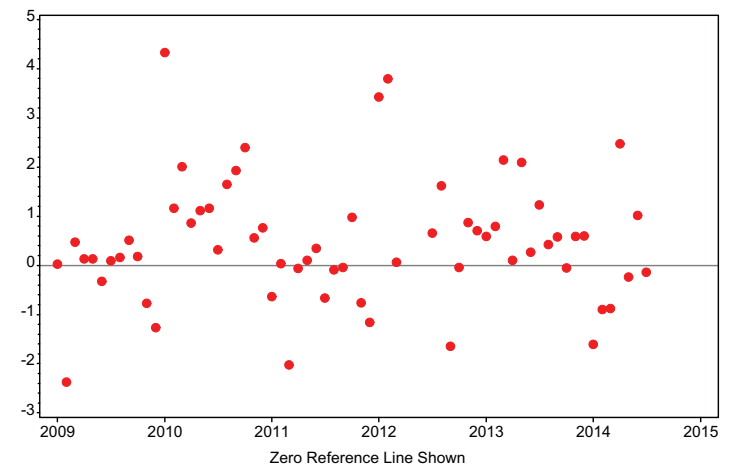
Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.1	0.408	0.703	-0.101

Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.1	0.40782	0.70269	-0.10125

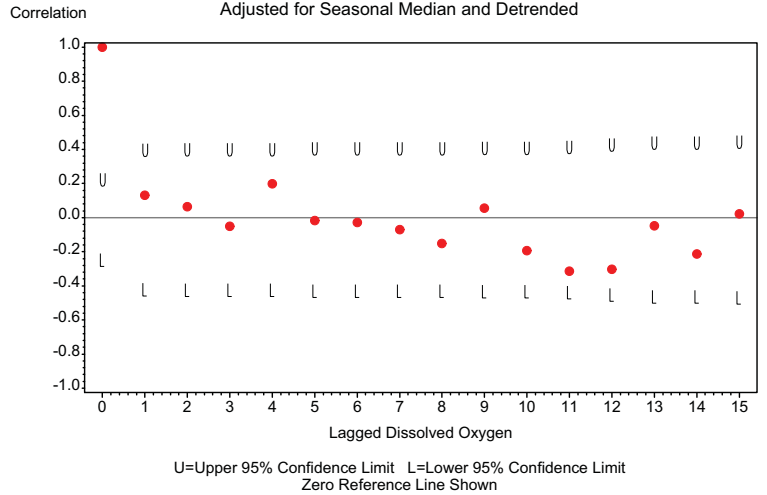
Silver Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



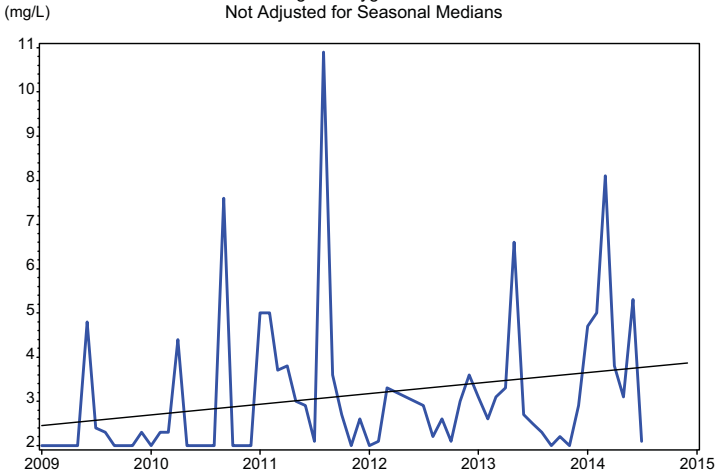
Silver Strand Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.131	0.204	0.408	-0.408
2	0.063	0.205	0.411	-0.411
3	-0.052	0.206	0.411	-0.411
4	0.199	0.206	0.411	-0.411
5	-0.016	0.208	0.417	-0.417
6	-0.028	0.208	0.417	-0.417
7	-0.070	0.208	0.417	-0.417
8	-0.151	0.209	0.418	-0.418
9	0.056	0.210	0.421	-0.421
10	-0.194	0.210	0.421	-0.421
11	-0.314	0.213	0.426	-0.426
12	-0.302	0.219	0.439	-0.439
13	-0.048	0.225	0.450	-0.450
14	-0.214	0.225	0.450	-0.450
15	0.021	0.228	0.456	-0.456

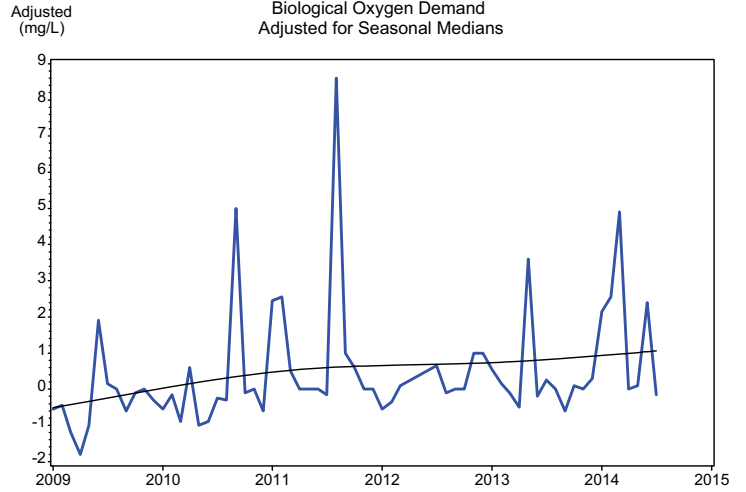
Silver Strand Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



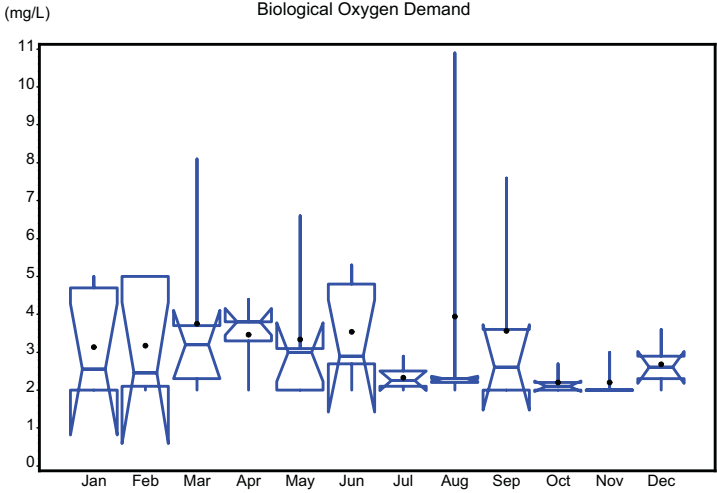
Silver Strand Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



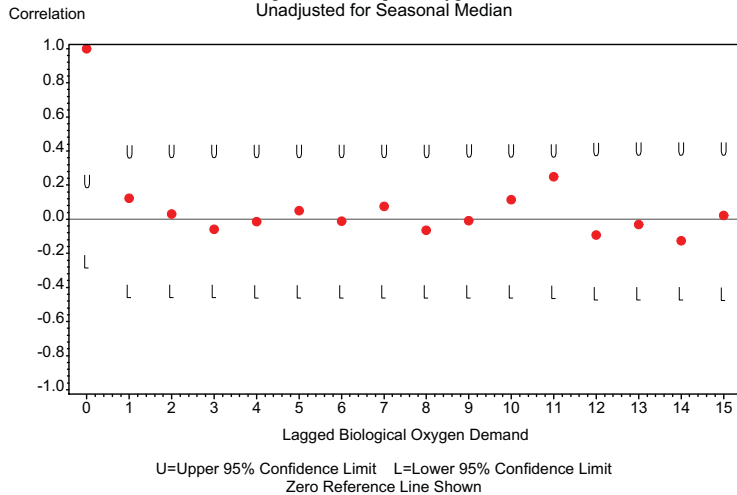
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Silver Strand Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.124	0.204	0.408	-0.408
2	0.029	0.205	0.410	-0.410
3	-0.058	0.205	0.410	-0.410
4	-0.015	0.205	0.411	-0.411
5	0.050	0.205	0.411	-0.411
6	-0.013	0.206	0.411	-0.411
7	0.075	0.206	0.411	-0.411
8	-0.065	0.206	0.412	-0.412
9	-0.010	0.206	0.413	-0.413
10	0.113	0.206	0.413	-0.413
11	0.250	0.207	0.414	-0.414
12	-0.092	0.211	0.423	-0.423
13	-0.031	0.212	0.424	-0.424
14	-0.126	0.212	0.424	-0.424
15	0.023	0.213	0.426	-0.426

Silver Strand Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



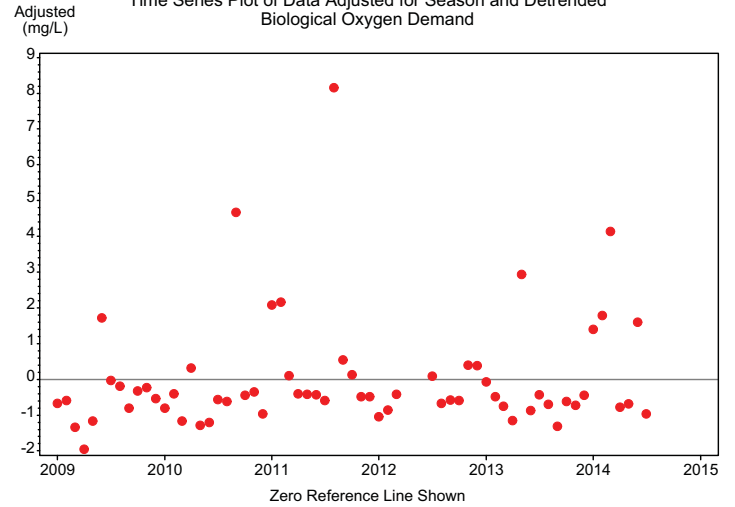
Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.329	.003	0.101	0.125

Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.32857	.00283968	0.10065	0.125

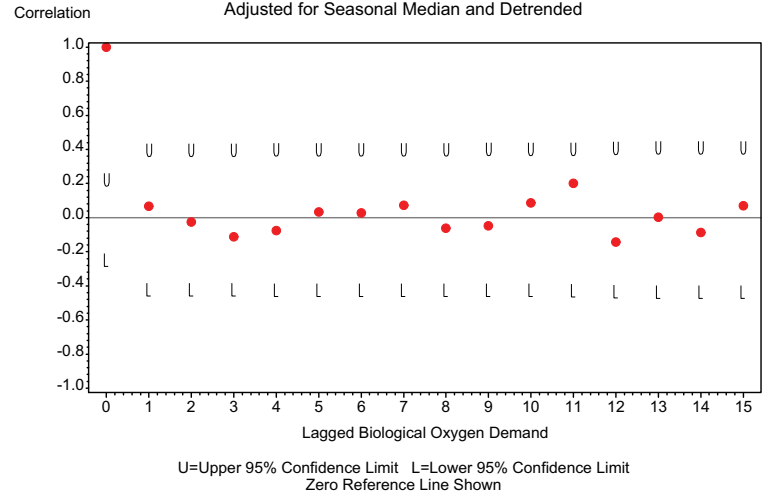
Silver Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



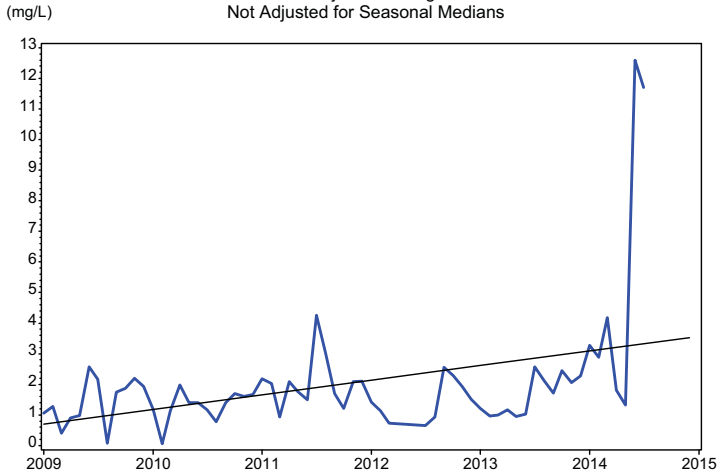
Silver Strand Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.068	0.204	0.408	-0.408
2	-0.027	0.204	0.409	-0.409
3	-0.112	0.204	0.409	-0.409
4	-0.075	0.205	0.411	-0.411
5	0.034	0.206	0.411	-0.411
6	0.028	0.206	0.412	-0.412
7	0.073	0.206	0.412	-0.412
8	-0.063	0.206	0.412	-0.412
9	-0.047	0.206	0.413	-0.413
10	0.087	0.207	0.413	-0.413
11	0.200	0.207	0.414	-0.414
12	-0.144	0.210	0.420	-0.420
13	0.001	0.211	0.422	-0.422
14	-0.087	0.211	0.422	-0.422
15	0.070	0.212	0.423	-0.423

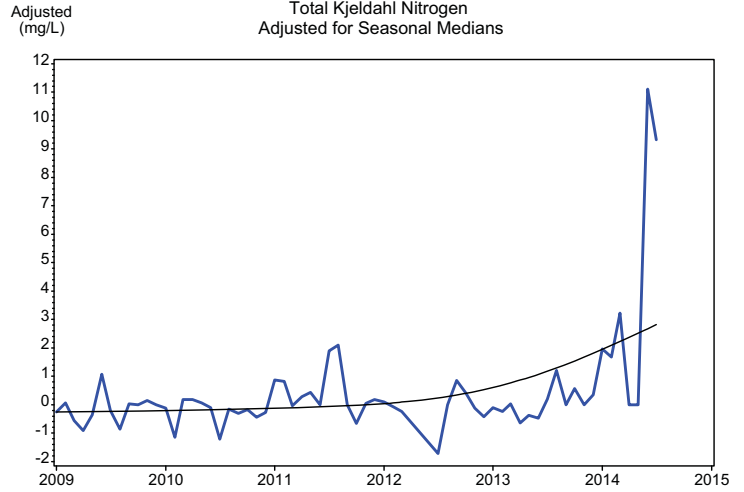
Silver Strand Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



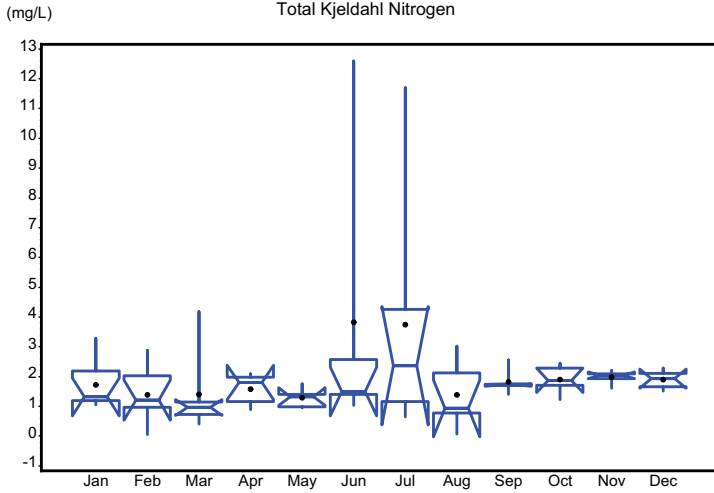
Silver Strand Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



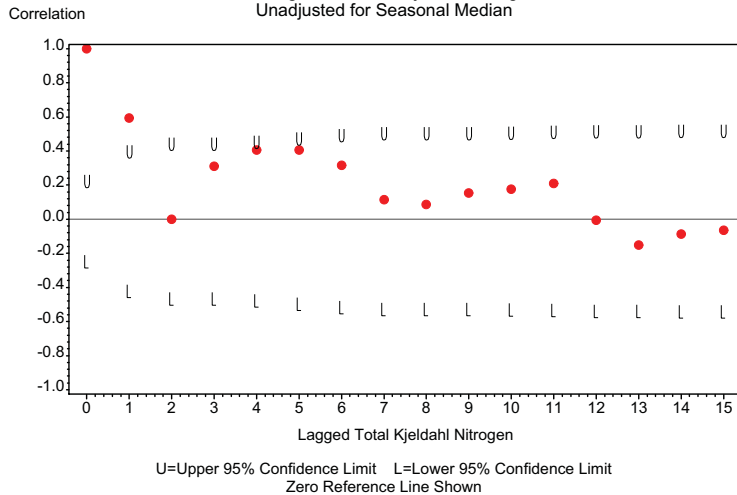
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Silver Strand Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.593	0.204	0.408	-0.408
2	0.000	0.227	0.454	-0.454
3	0.309	0.227	0.454	-0.454
4	0.405	0.233	0.465	-0.465
5	0.406	0.242	0.484	-0.484
6	0.316	0.251	0.503	-0.503
7	0.115	0.257	0.514	-0.514
8	0.087	0.258	0.515	-0.515
9	0.154	0.258	0.516	-0.516
10	0.175	0.259	0.519	-0.519
11	0.209	0.261	0.522	-0.522
12	-0.007	0.263	0.526	-0.526
13	-0.153	0.263	0.526	-0.526
14	-0.086	0.264	0.529	-0.529
15	-0.064	0.265	0.530	-0.530

Silver Strand Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



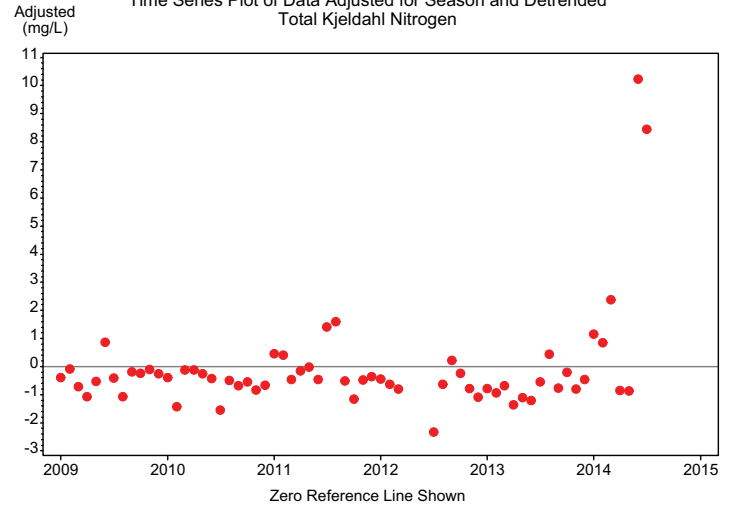
Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.271	0.018	0.132	0.136

Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.27143	0.018481	0.13177	0.13633

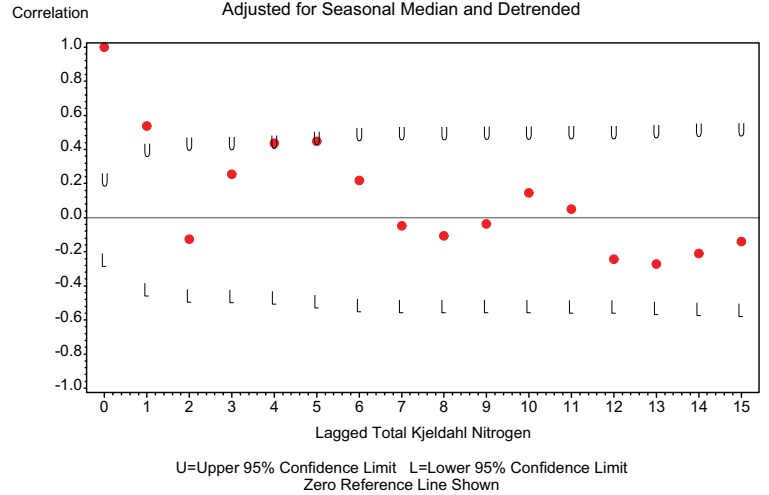
Silver Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



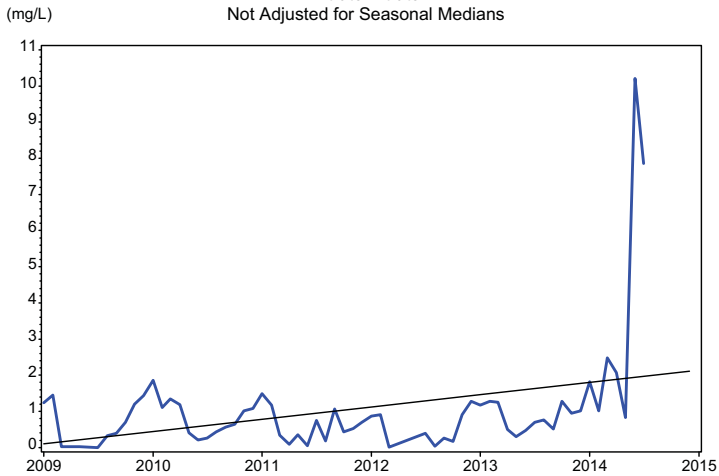
Silver Strand Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.538	0.204	0.408	-0.408
2	-0.126	0.223	0.446	-0.446
3	0.255	0.224	0.448	-0.448
4	0.437	0.228	0.456	-0.456
5	0.448	0.239	0.479	-0.479
6	0.219	0.251	0.501	-0.501
7	-0.047	0.253	0.507	-0.507
8	-0.106	0.253	0.507	-0.507
9	-0.037	0.254	0.508	-0.508
10	0.144	0.254	0.508	-0.508
11	0.049	0.255	0.511	-0.511
12	-0.244	0.255	0.511	-0.511
13	-0.272	0.259	0.517	-0.517
14	-0.210	0.263	0.525	-0.525
15	-0.141	0.265	0.530	-0.530

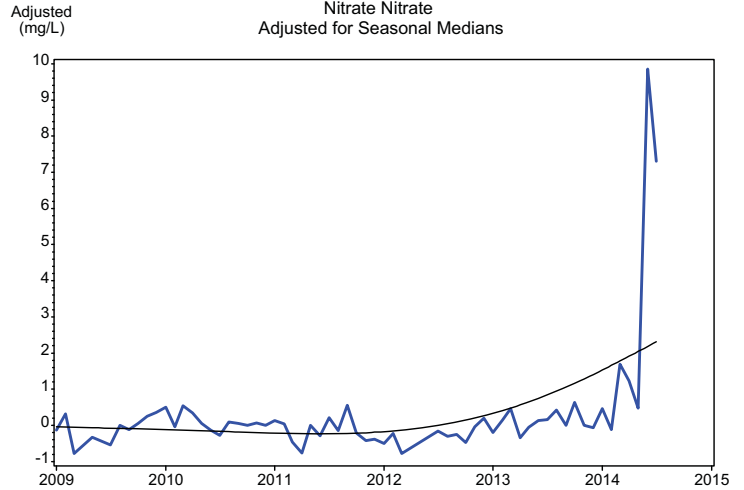
Silver Strand Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



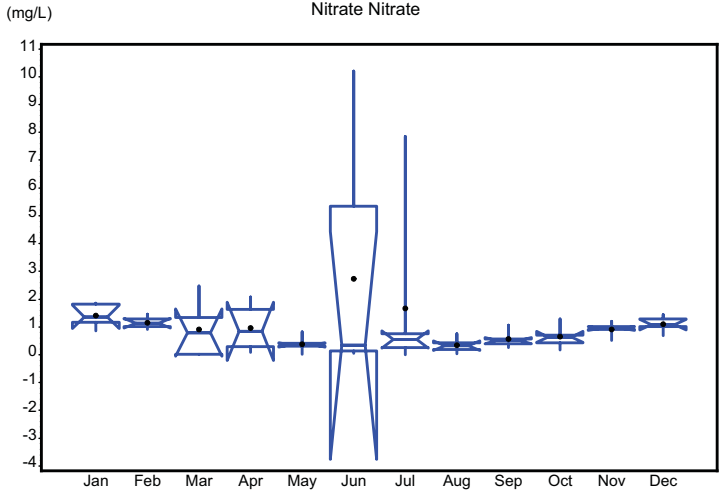
Silver Strand Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



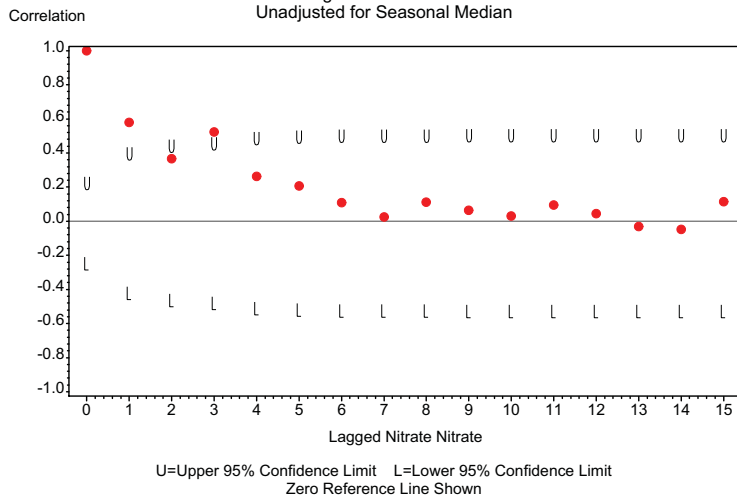
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Silver Strand Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.580	0.204	0.408	-0.408
2	0.367	0.226	0.452	-0.452
3	0.523	0.234	0.468	-0.468
4	0.263	0.250	0.499	-0.499
5	0.207	0.253	0.507	-0.507
6	0.109	0.256	0.512	-0.512
7	0.025	0.256	0.513	-0.513
8	0.112	0.257	0.513	-0.513
9	0.064	0.257	0.514	-0.514
10	0.031	0.257	0.515	-0.515
11	0.094	0.257	0.515	-0.515
12	0.044	0.258	0.516	-0.516
13	-0.032	0.258	0.516	-0.516
14	-0.047	0.258	0.516	-0.516
15	0.115	0.258	0.516	-0.516

Silver Strand Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



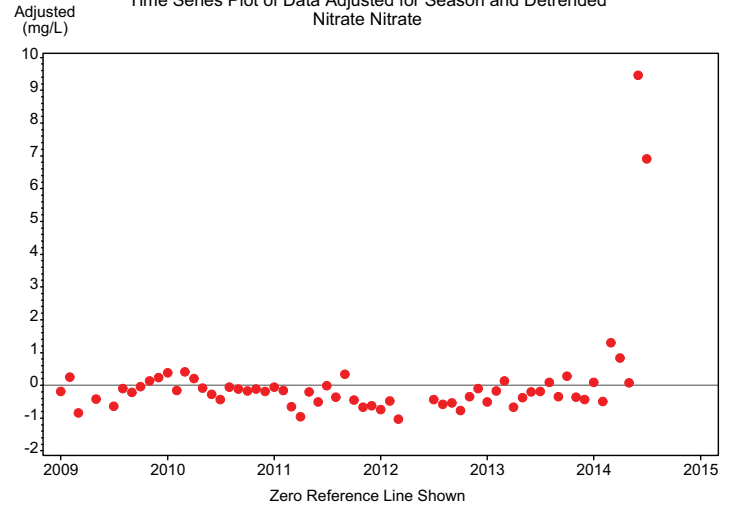
Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.076	0.553	0.71	0.062

Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.075758	0.55346	0.71021	0.062

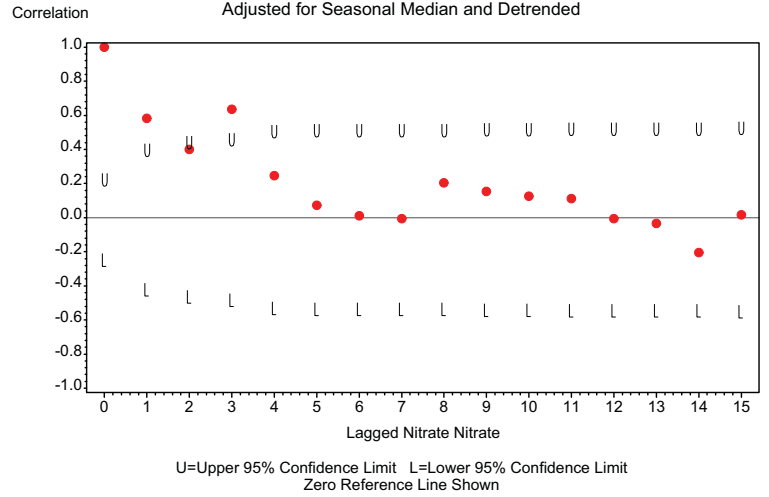
Silver Strand Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



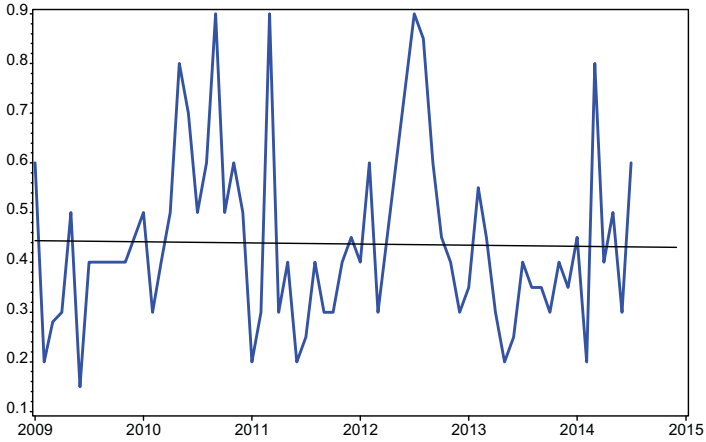
Silver Strand Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.582	0.204	0.408	-0.408
2	0.399	0.226	0.452	-0.452
3	0.635	0.236	0.471	-0.471
4	0.245	0.258	0.517	-0.517
5	0.071	0.261	0.523	-0.523
6	0.010	0.262	0.523	-0.523
7	-0.006	0.262	0.523	-0.523
8	0.204	0.262	0.523	-0.523
9	0.153	0.264	0.528	-0.528
10	0.126	0.265	0.530	-0.530
11	0.111	0.266	0.532	-0.532
12	-0.005	0.267	0.533	-0.533
13	-0.034	0.267	0.533	-0.533
14	-0.204	0.267	0.533	-0.533
15	0.016	0.269	0.538	-0.538

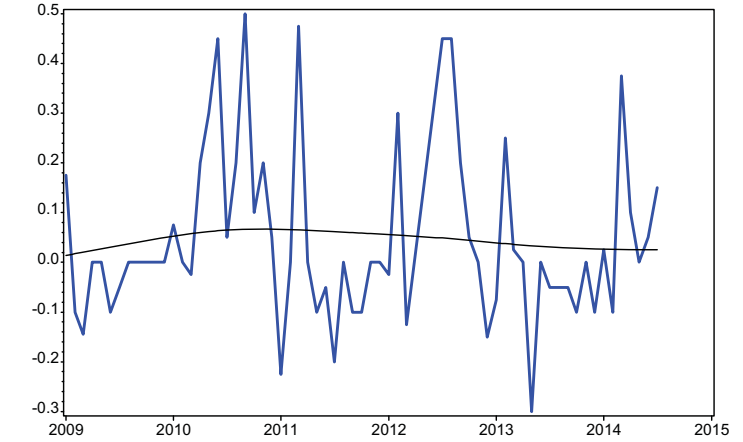
Silver Strand Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



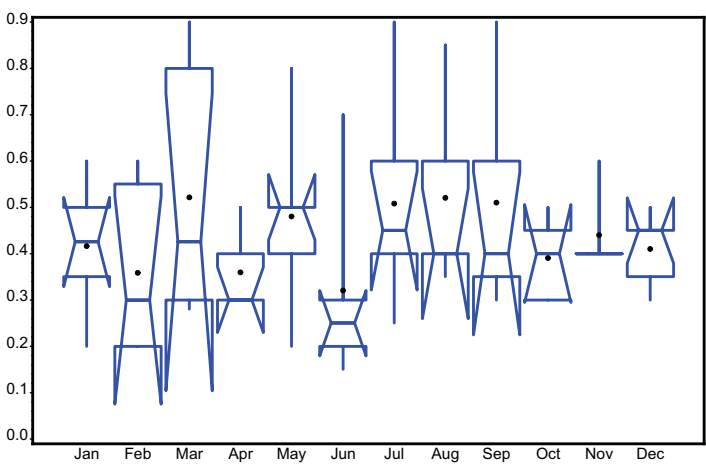
Silver Strand Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Silver Strand Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



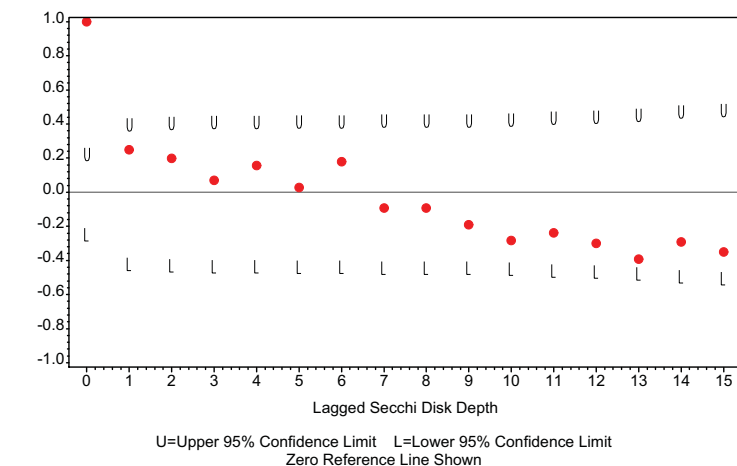
Silver Strand Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Silver Strand Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.248	0.204	0.408	-0.408
2	0.198	0.208	0.417	-0.417
3	0.070	0.211	0.422	-0.422
4	0.157	0.211	0.422	-0.422
5	0.027	0.213	0.426	-0.426
6	0.179	0.213	0.426	-0.426
7	-0.092	0.215	0.430	-0.430
8	-0.093	0.215	0.431	-0.431
9	-0.190	0.216	0.432	-0.432
10	-0.284	0.218	0.437	-0.437
11	-0.239	0.223	0.447	-0.447
12	-0.301	0.227	0.454	-0.454
13	-0.393	0.232	0.465	-0.465
14	-0.293	0.241	0.483	-0.483
15	-0.351	0.246	0.493	-0.493

Silver Strand Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median

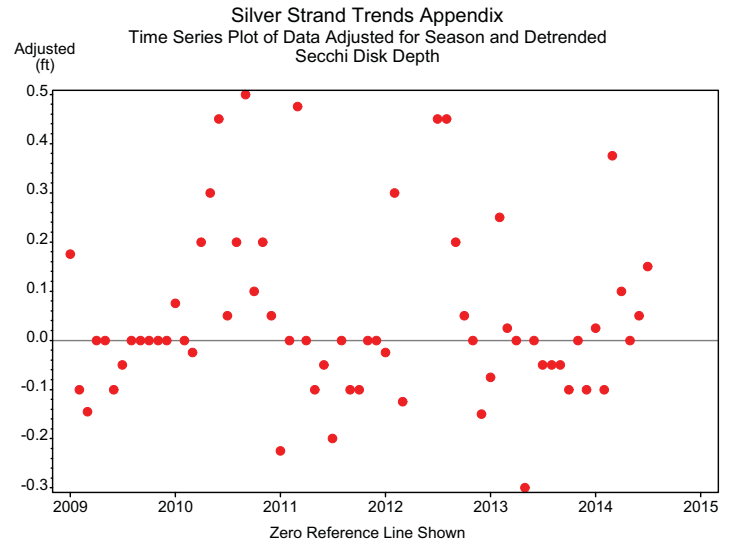


Silver Strand Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.014	0.947	0.972	0

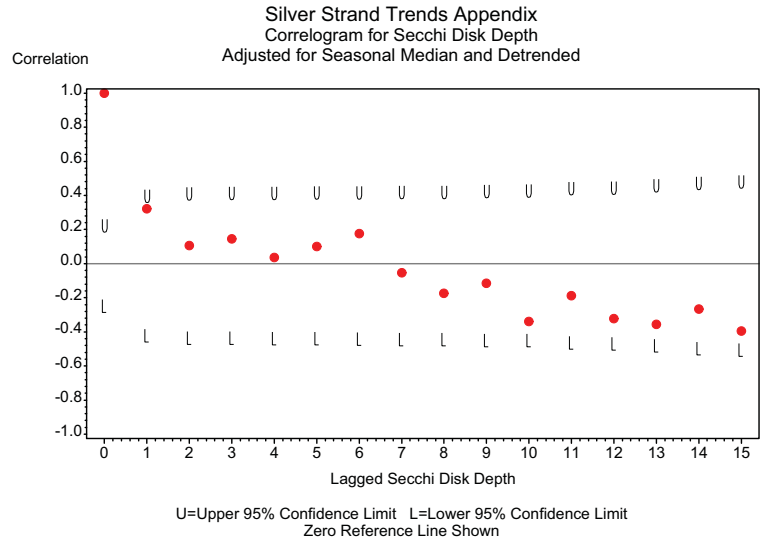
Silver Strand Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.014286	0.94712	0.97219	0

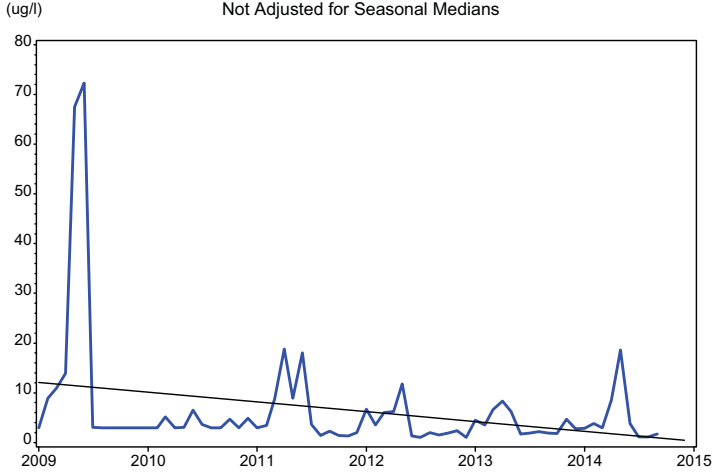


Silver Strand Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

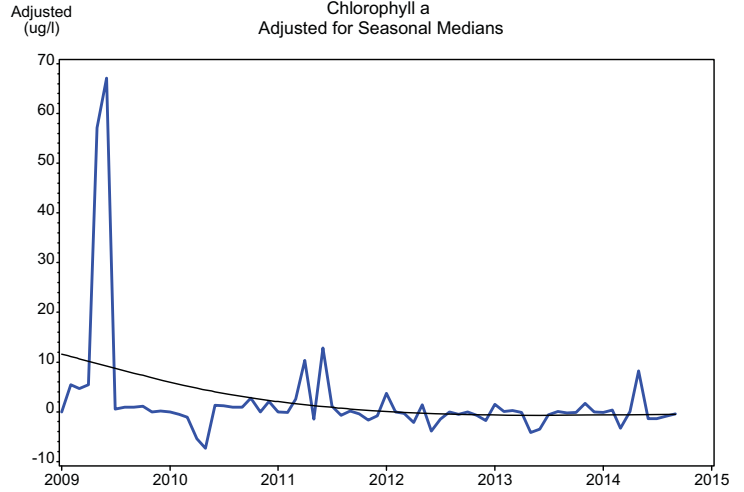
Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.322	0.204	0.408	-0.408
2	0.107	0.211	0.422	-0.422
3	0.145	0.212	0.424	-0.424
4	0.037	0.213	0.426	-0.426
5	0.100	0.213	0.427	-0.427
6	0.175	0.214	0.428	-0.428
7	-0.053	0.216	0.432	-0.432
8	-0.174	0.216	0.432	-0.432
9	-0.116	0.218	0.436	-0.436
10	-0.338	0.219	0.438	-0.438
11	-0.188	0.226	0.452	-0.452
12	-0.322	0.228	0.456	-0.456
13	-0.356	0.234	0.469	-0.469
14	-0.267	0.242	0.484	-0.484
15	-0.394	0.246	0.492	-0.492



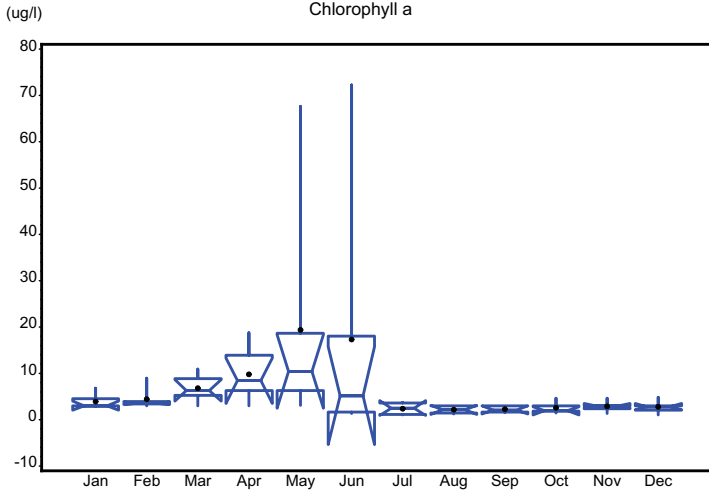
Tamiami Canal Trends Appendix
Monthly Data Time Series
Chlorophyll a
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Chlorophyll a
Adjusted for Seasonal Medians



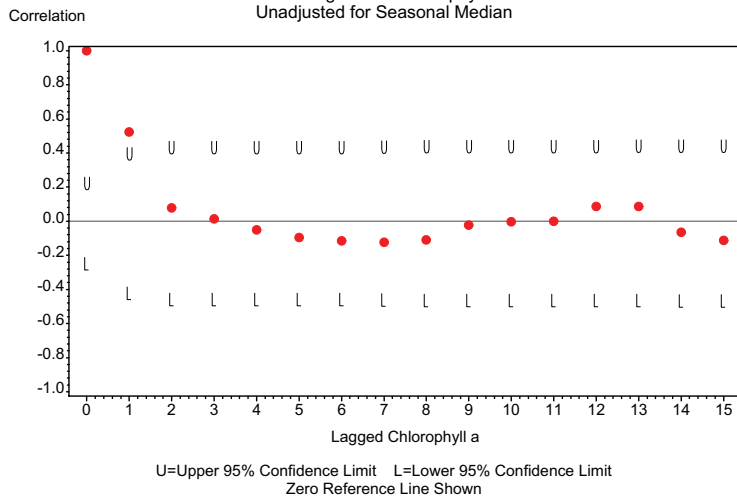
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Chlorophyll a



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Chlorophyll a
Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.524	0.204	0.408	-0.408
2	0.079	0.222	0.444	-0.444
3	0.014	0.222	0.445	-0.445
4	-0.051	0.222	0.445	-0.445
5	-0.095	0.223	0.445	-0.445
6	-0.115	0.223	0.446	-0.446
7	-0.123	0.224	0.448	-0.448
8	-0.110	0.225	0.450	-0.450
9	-0.023	0.226	0.451	-0.451
10	-0.002	0.226	0.451	-0.451
11	0.000	0.226	0.451	-0.451
12	0.087	0.226	0.451	-0.451
13	0.086	0.226	0.452	-0.452
14	-0.064	0.227	0.453	-0.453
15	-0.113	0.227	0.454	-0.454

Tamiami Canal Trends Appendix
Correlogram for Chlorophyll a
Unadjusted for Seasonal Median



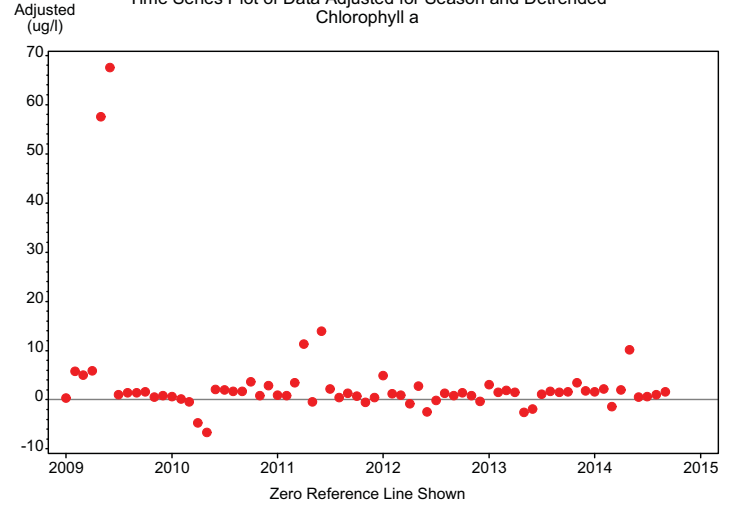
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Chlorophyll a
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.236	0.028	0.176	-0.3

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.23636	0.027803	0.17647	-0.3

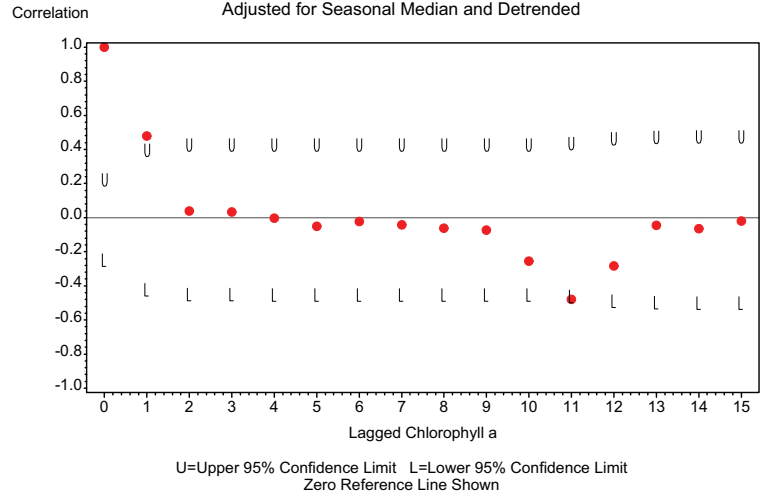
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



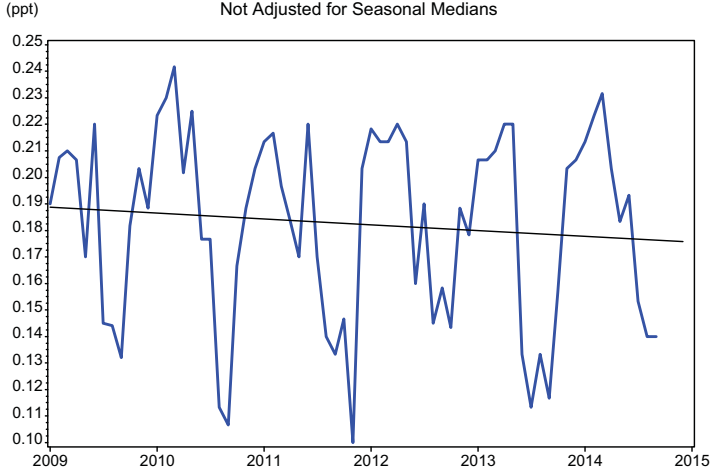
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.477	0.204	0.408	-0.408
2	0.040	0.219	0.438	-0.438
3	0.034	0.219	0.438	-0.438
4	-0.002	0.219	0.439	-0.439
5	-0.050	0.219	0.439	-0.439
6	-0.023	0.219	0.439	-0.439
7	-0.042	0.219	0.439	-0.439
8	-0.062	0.220	0.439	-0.439
9	-0.074	0.220	0.440	-0.440
10	-0.255	0.220	0.440	-0.440
11	-0.480	0.224	0.448	-0.448
12	-0.284	0.238	0.476	-0.476
13	-0.045	0.243	0.485	-0.485
14	-0.065	0.243	0.486	-0.486
15	-0.020	0.243	0.486	-0.486

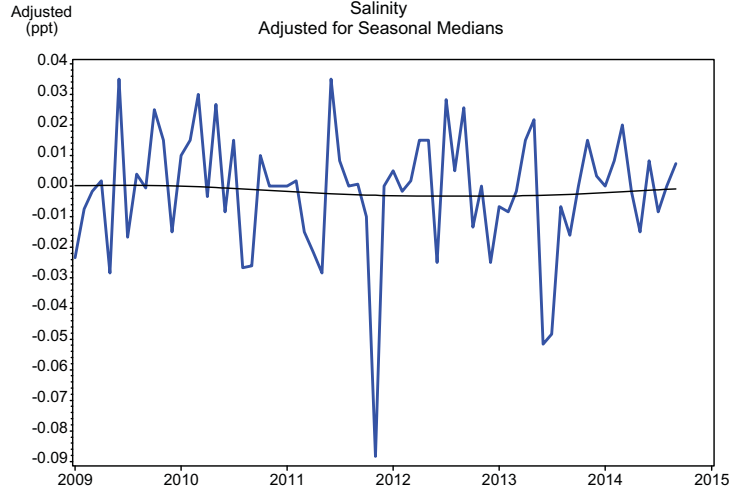
Tamiami Canal Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



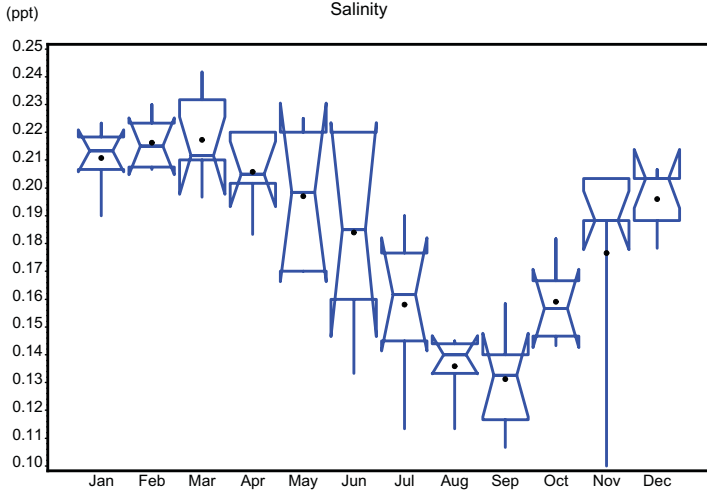
Tamiami Canal Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



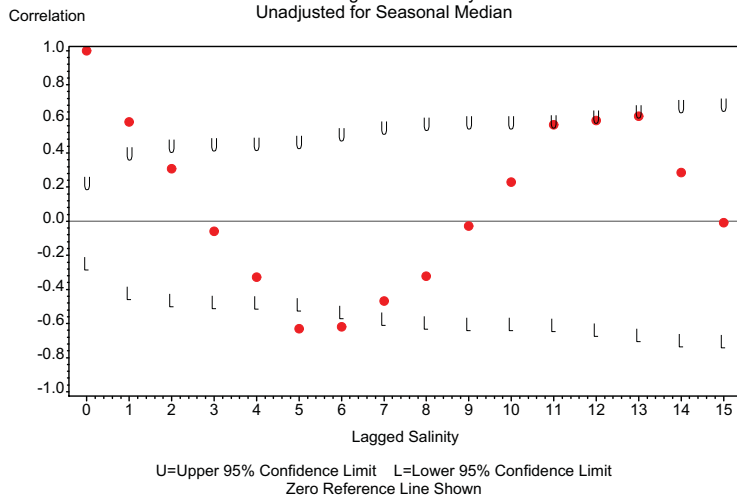
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Salinity



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.581	0.204	0.408	-0.408
2	0.308	0.226	0.452	-0.452
3	-0.058	0.232	0.463	-0.463
4	-0.328	0.232	0.464	-0.464
5	-0.631	0.238	0.477	-0.477
6	-0.618	0.260	0.521	-0.521
7	-0.469	0.280	0.560	-0.560
8	-0.322	0.291	0.582	-0.582
9	-0.028	0.296	0.591	-0.591
10	0.229	0.296	0.591	-0.591
11	0.564	0.298	0.596	-0.596
12	0.591	0.313	0.625	-0.625
13	0.616	0.328	0.655	-0.655
14	0.286	0.343	0.687	-0.687
15	-0.010	0.347	0.693	-0.693

Tamiami Canal Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median

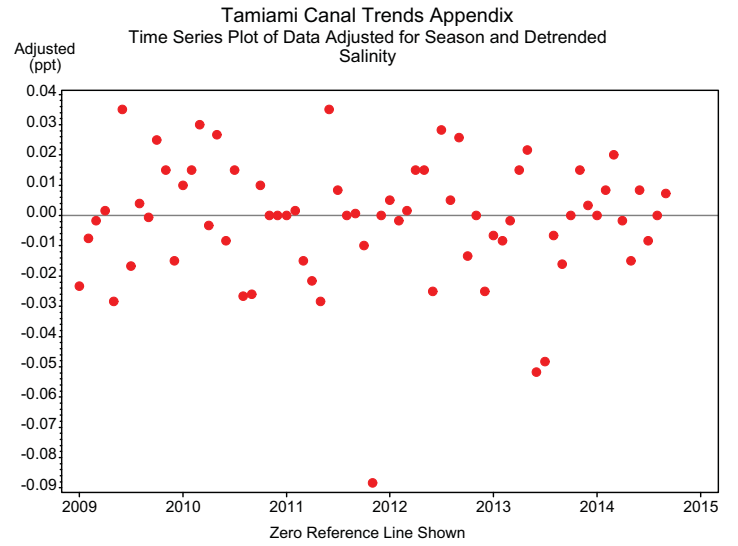


Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0	1	1	0

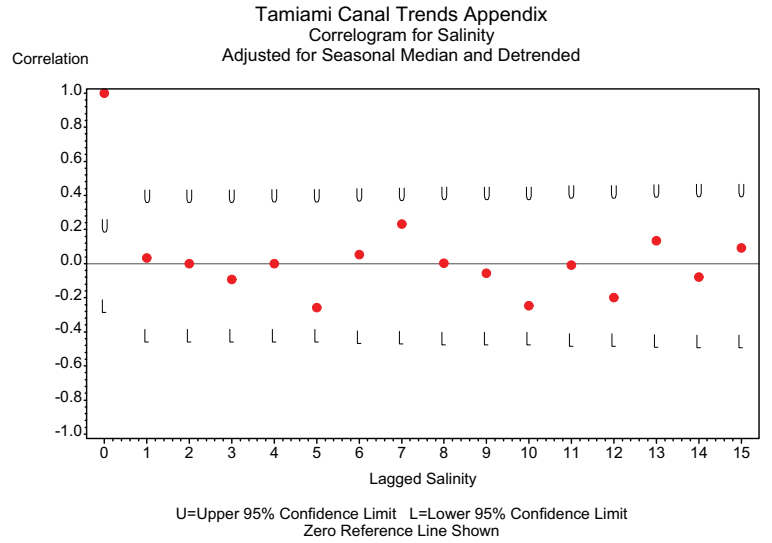
Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
.00606061	1	1	0

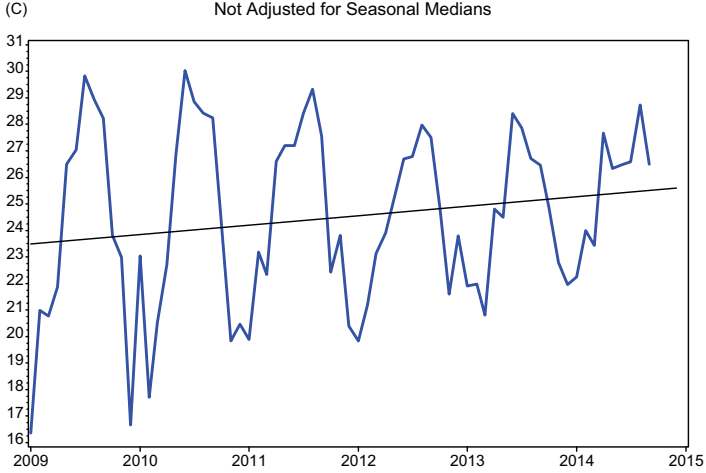


Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

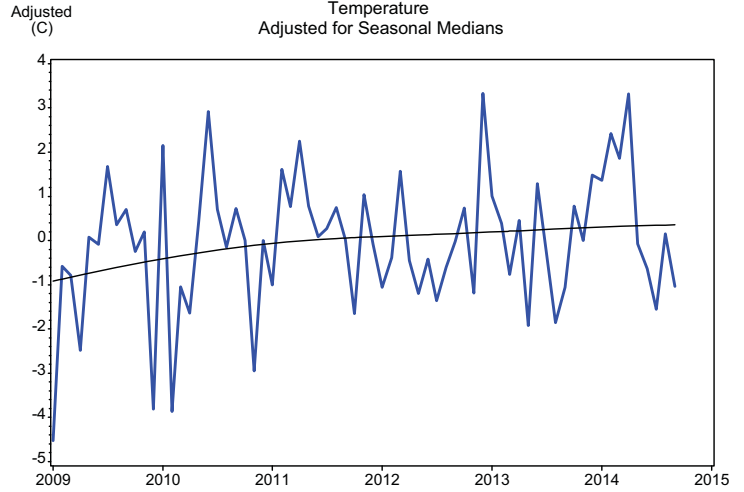
Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.032	0.204	0.408	-0.408
2	-0.001	0.204	0.408	-0.408
3	-0.092	0.204	0.408	-0.408
4	-0.001	0.205	0.410	-0.410
5	-0.258	0.205	0.410	-0.410
6	0.054	0.209	0.418	-0.418
7	0.232	0.209	0.419	-0.419
8	0.003	0.213	0.426	-0.426
9	-0.057	0.213	0.426	-0.426
10	-0.247	0.213	0.426	-0.426
11	-0.010	0.217	0.434	-0.434
12	-0.198	0.217	0.434	-0.434
13	0.135	0.220	0.439	-0.439
14	-0.078	0.221	0.442	-0.442
15	0.092	0.221	0.442	-0.442



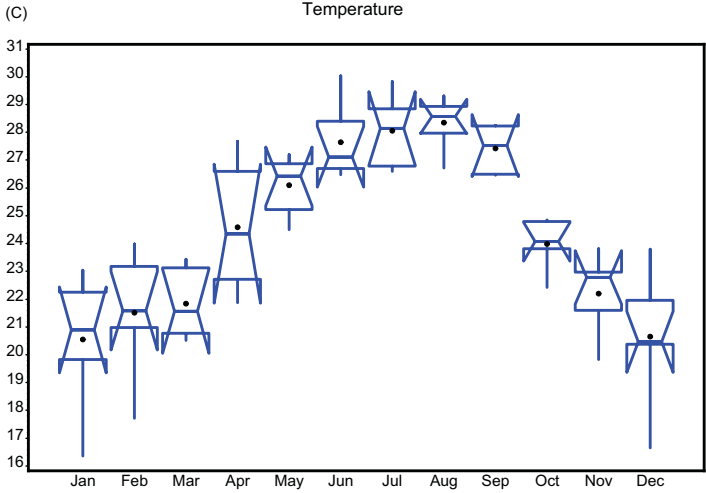
Tamiami Canal Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



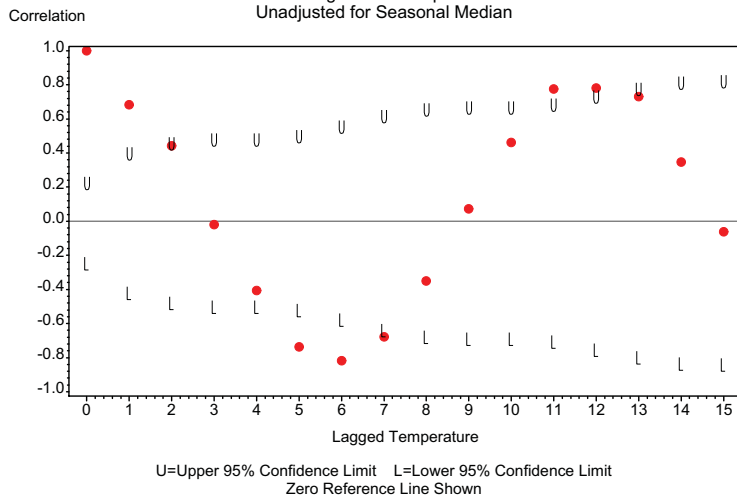
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Temperature



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.683	0.204	0.408	-0.408
2	0.443	0.234	0.467	-0.467
3	-0.021	0.245	0.490	-0.490
4	-0.407	0.245	0.490	-0.490
5	-0.737	0.254	0.509	-0.509
6	-0.818	0.282	0.565	-0.565
7	-0.679	0.314	0.627	-0.627
8	-0.351	0.333	0.667	-0.667
9	0.072	0.339	0.677	-0.677
10	0.462	0.339	0.677	-0.677
11	0.776	0.347	0.695	-0.695
12	0.780	0.371	0.741	-0.741
13	0.729	0.393	0.786	-0.786
14	0.348	0.411	0.822	-0.822
15	-0.061	0.415	0.830	-0.830

Tamiami Canal Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



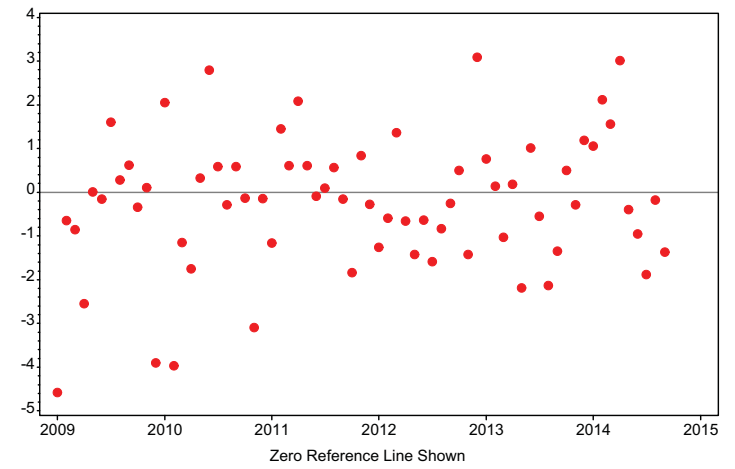
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042	0.731	0.692	0.05

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042424	0.73118	0.69174	0.05

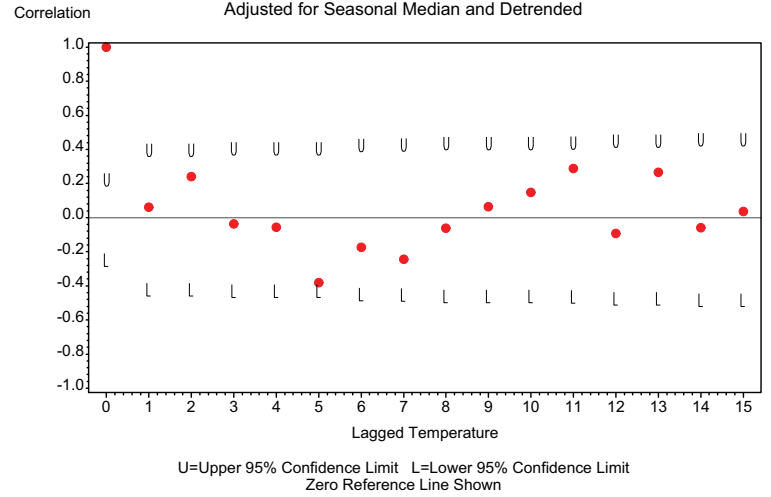
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



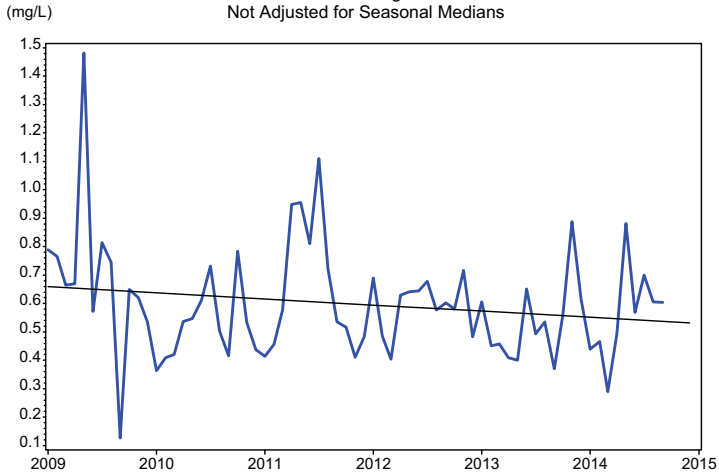
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.062	0.204	0.408	-0.408
2	0.240	0.204	0.409	-0.409
3	-0.038	0.208	0.417	-0.417
4	-0.057	0.208	0.417	-0.417
5	-0.381	0.209	0.417	-0.417
6	-0.174	0.218	0.436	-0.436
7	-0.243	0.220	0.440	-0.440
8	-0.063	0.224	0.447	-0.447
9	0.065	0.224	0.448	-0.448
10	0.149	0.224	0.448	-0.448
11	0.288	0.226	0.451	-0.451
12	-0.093	0.231	0.461	-0.461
13	0.265	0.231	0.462	-0.462
14	-0.060	0.235	0.471	-0.471
15	0.037	0.235	0.471	-0.471

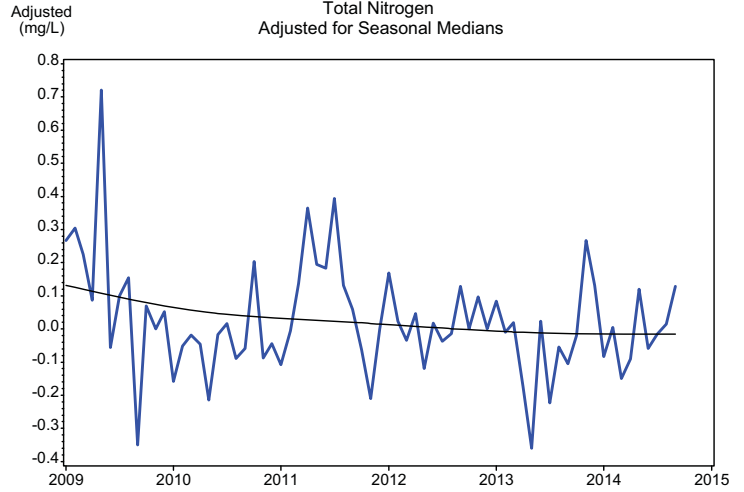
Tamiami Canal Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



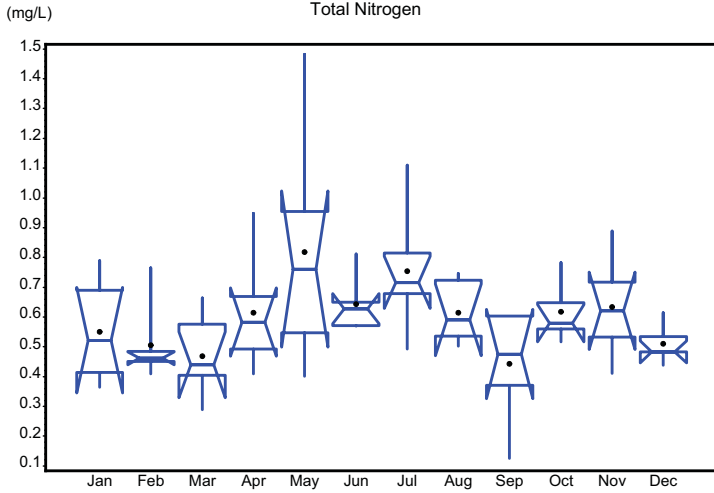
Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



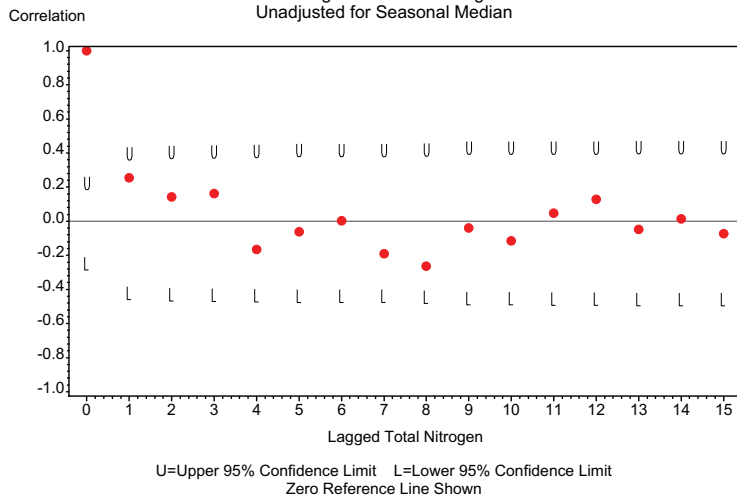
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.254	0.204	0.408	-0.408
2	0.141	0.208	0.417	-0.417
3	0.162	0.210	0.420	-0.420
4	-0.165	0.211	0.423	-0.423
5	-0.063	0.213	0.427	-0.427
6	0.001	0.214	0.427	-0.427
7	-0.191	0.214	0.427	-0.427
8	-0.264	0.216	0.432	-0.432
9	-0.041	0.220	0.441	-0.441
10	-0.114	0.220	0.441	-0.441
11	0.047	0.221	0.443	-0.443
12	0.127	0.221	0.443	-0.443
13	-0.048	0.222	0.445	-0.445
14	0.014	0.223	0.445	-0.445
15	-0.074	0.223	0.445	-0.445

Tamiami Canal Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



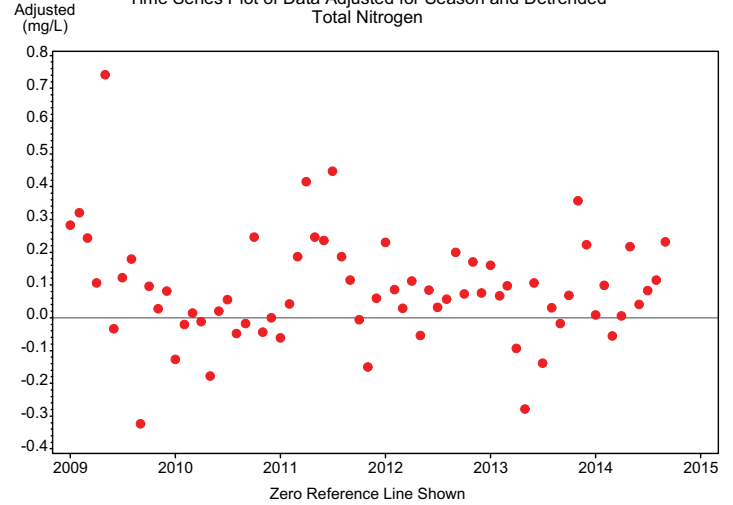
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.121	0.276	0.456	-0.015

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12727	0.25057	0.43546	-0.015333

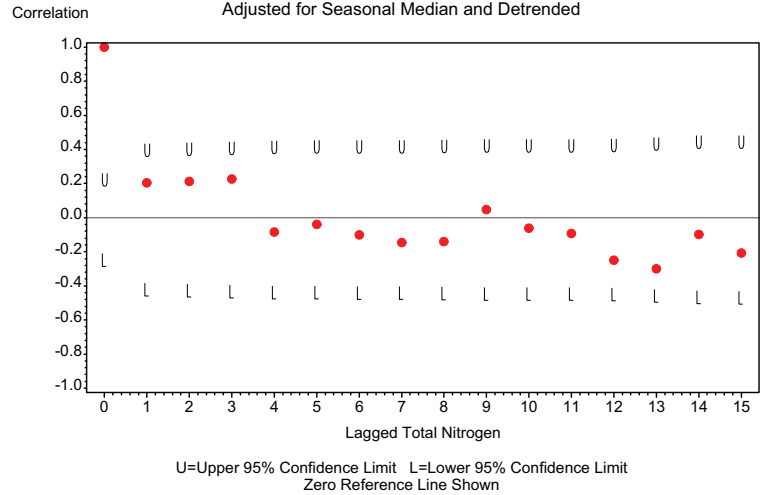
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



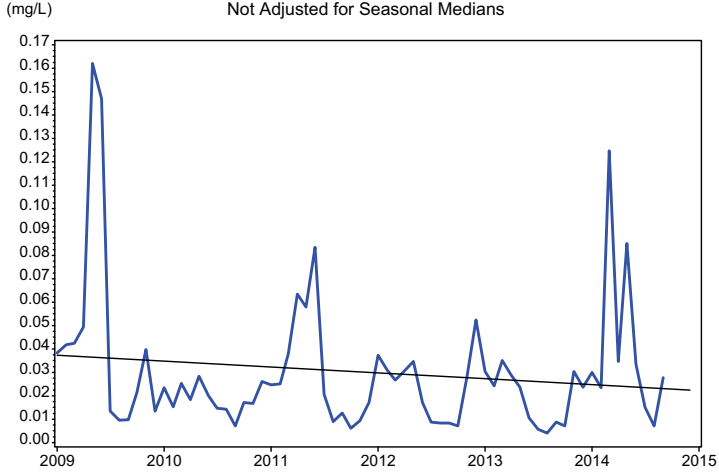
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.204	0.204	0.408	-0.408
2	0.212	0.207	0.414	-0.414
3	0.225	0.210	0.420	-0.420
4	-0.085	0.213	0.426	-0.426
5	-0.039	0.214	0.427	-0.427
6	-0.100	0.214	0.428	-0.428
7	-0.145	0.214	0.429	-0.429
8	-0.140	0.216	0.432	-0.432
9	0.046	0.217	0.434	-0.434
10	-0.063	0.217	0.434	-0.434
11	-0.092	0.217	0.435	-0.435
12	-0.250	0.218	0.436	-0.436
13	-0.299	0.222	0.444	-0.444
14	-0.098	0.227	0.455	-0.455
15	-0.208	0.228	0.456	-0.456

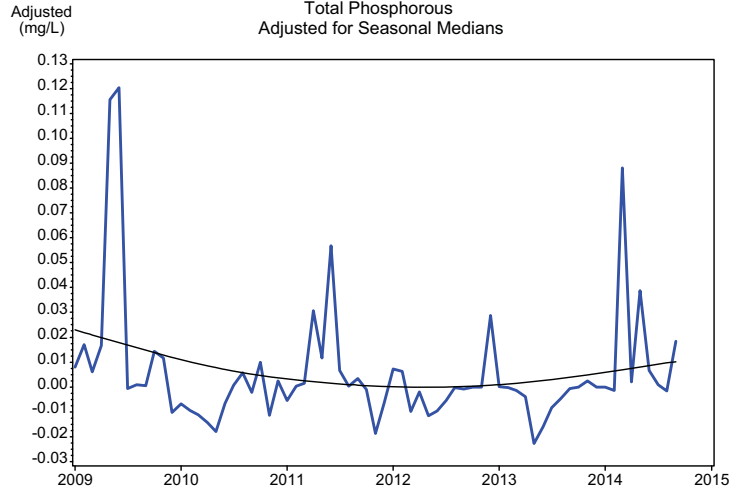
Tamiami Canal Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



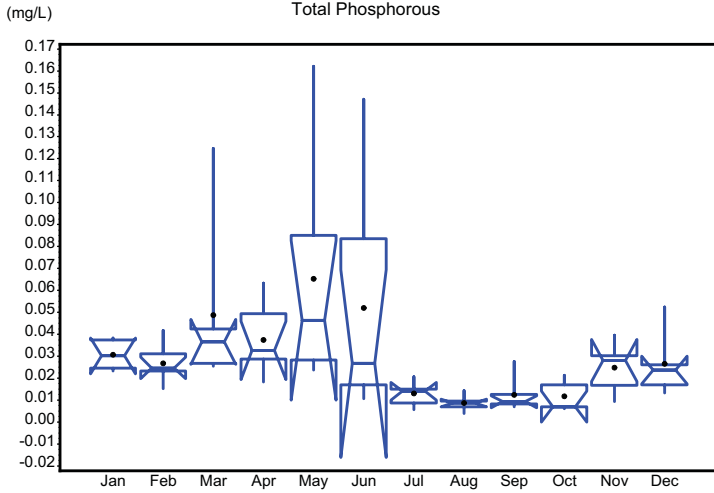
Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Phosphorous
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Phosphorous
Adjusted for Seasonal Medians



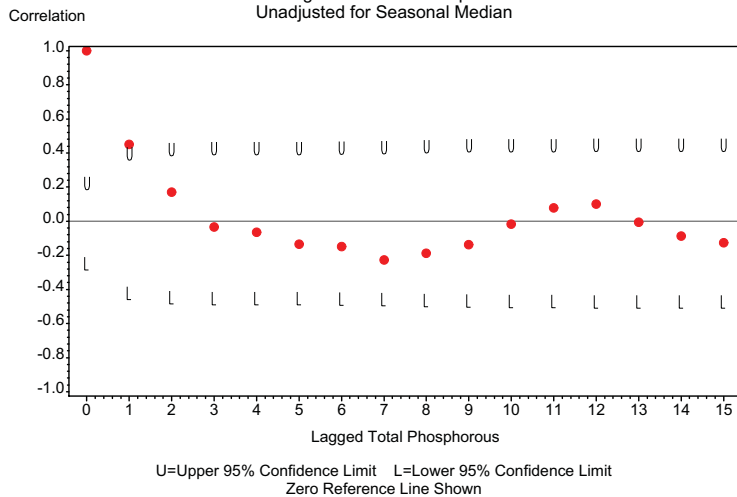
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Total Phosphorous



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Total Phosphorous
Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.451	0.204	0.408	-0.408
2	0.170	0.217	0.435	-0.435
3	-0.035	0.219	0.439	-0.439
4	-0.064	0.219	0.439	-0.439
5	-0.135	0.220	0.439	-0.439
6	-0.148	0.221	0.442	-0.442
7	-0.227	0.222	0.444	-0.444
8	-0.189	0.225	0.451	-0.451
9	-0.138	0.228	0.455	-0.455
10	-0.017	0.229	0.457	-0.457
11	0.077	0.229	0.457	-0.457
12	0.100	0.229	0.458	-0.458
13	-0.005	0.230	0.459	-0.459
14	-0.088	0.230	0.459	-0.459
15	-0.127	0.230	0.460	-0.460

Tamiami Canal Trends Appendix
Correlogram for Total Phosphorous
Unadjusted for Seasonal Median



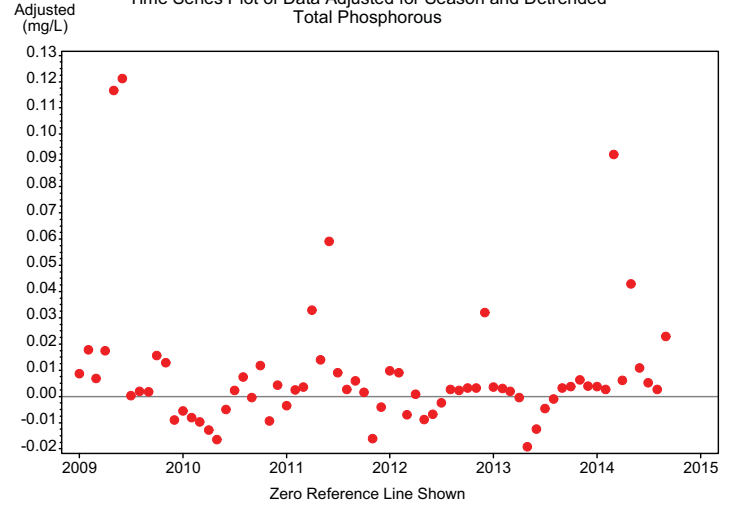
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Phosphorous
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.133	0.227	0.487	-0.001

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.12727	0.24742	0.50475	-.000666667

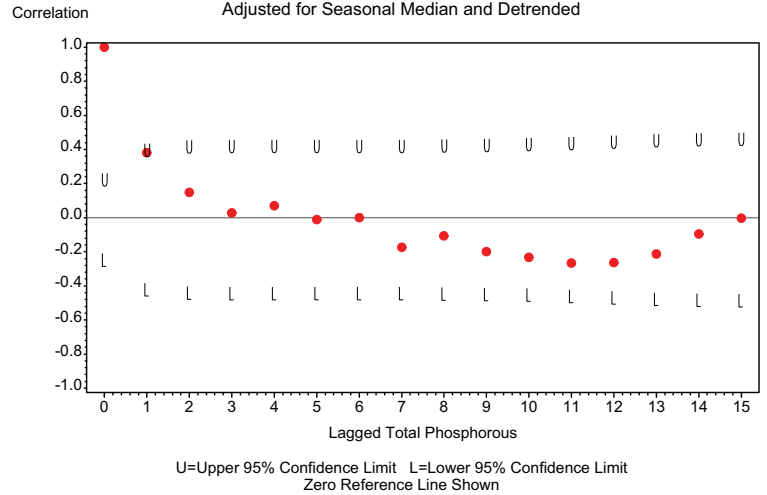
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



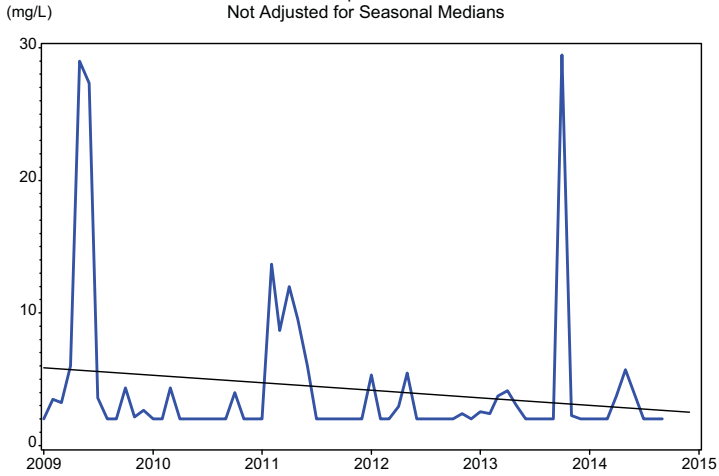
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.381	0.204	0.408	-0.408
2	0.147	0.214	0.428	-0.428
3	0.028	0.215	0.430	-0.430
4	0.069	0.215	0.430	-0.430
5	-0.012	0.216	0.431	-0.431
6	0.000	0.216	0.431	-0.431
7	-0.173	0.216	0.431	-0.431
8	-0.107	0.217	0.435	-0.435
9	-0.199	0.218	0.436	-0.436
10	-0.233	0.221	0.441	-0.441
11	-0.266	0.224	0.448	-0.448
12	-0.265	0.228	0.457	-0.457
13	-0.212	0.233	0.465	-0.465
14	-0.097	0.235	0.471	-0.471
15	-0.004	0.236	0.472	-0.472

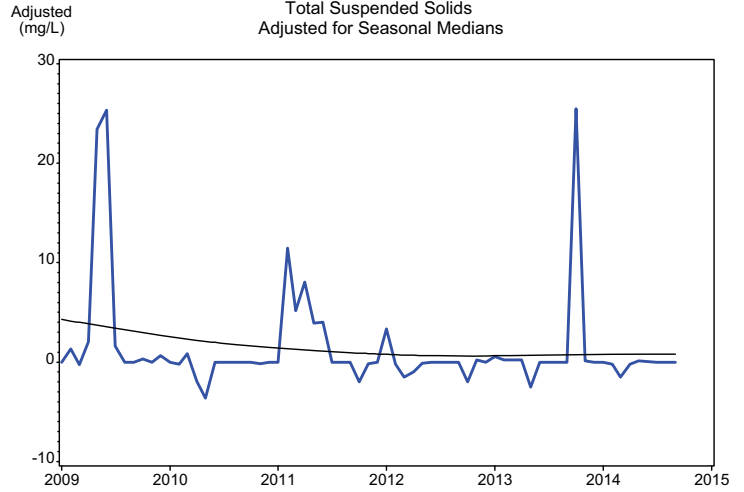
Tamiami Canal Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



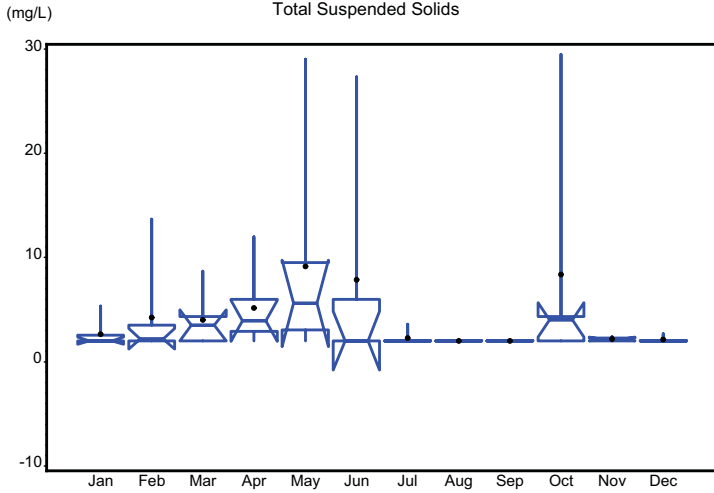
Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Suspended Solids
Adjusted for Seasonal Medians



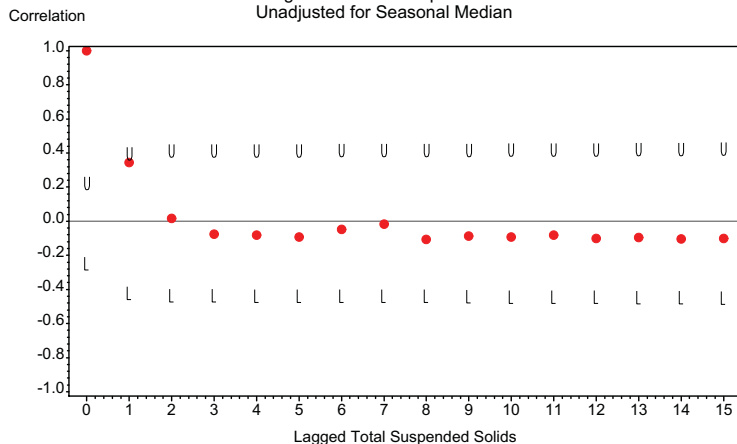
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Total Suspended Solids



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Total Suspended Solids
Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.344	0.204	0.408	-0.408
2	0.015	0.212	0.424	-0.424
3	-0.076	0.212	0.424	-0.424
4	-0.081	0.212	0.425	-0.425
5	-0.092	0.213	0.426	-0.426
6	-0.048	0.213	0.427	-0.427
7	-0.017	0.214	0.427	-0.427
8	-0.108	0.214	0.427	-0.427
9	-0.087	0.214	0.429	-0.429
10	-0.093	0.215	0.430	-0.430
11	-0.083	0.215	0.431	-0.431
12	-0.100	0.216	0.432	-0.432
13	-0.096	0.216	0.433	-0.433
14	-0.105	0.217	0.434	-0.434
15	-0.102	0.218	0.436	-0.436

Tamiami Canal Trends Appendix
Correlogram for Total Suspended Solids
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

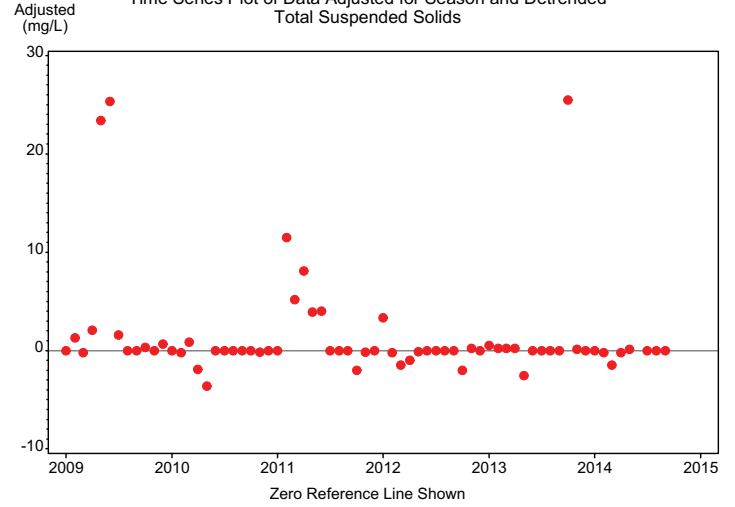
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Suspended Solids
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.131	0.149	0.355	0

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.13125	0.14927	0.35540	0

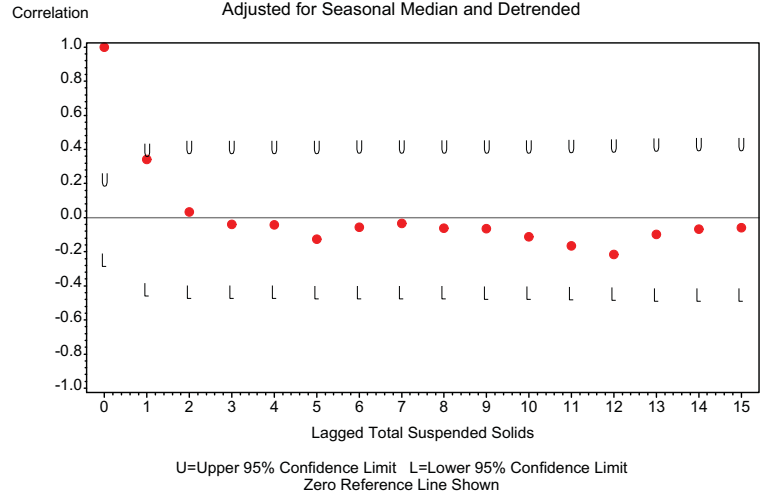
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



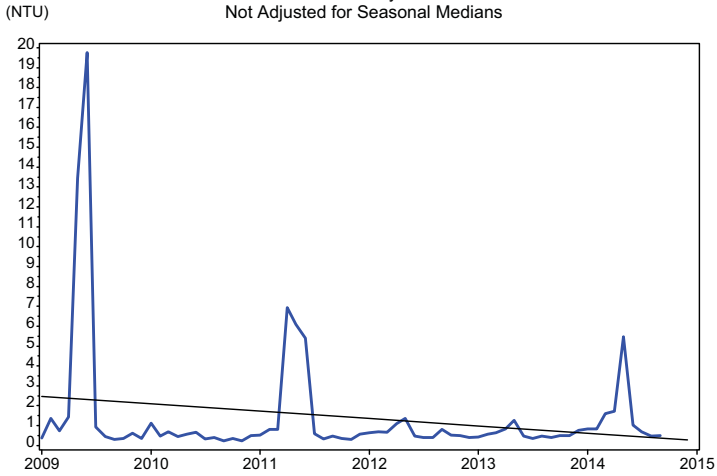
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.342	0.204	0.408	-0.408
2	0.034	0.212	0.424	-0.424
3	-0.040	0.212	0.424	-0.424
4	-0.043	0.212	0.424	-0.424
5	-0.127	0.212	0.425	-0.425
6	-0.057	0.213	0.427	-0.427
7	-0.035	0.214	0.427	-0.427
8	-0.062	0.214	0.427	-0.427
9	-0.064	0.214	0.428	-0.428
10	-0.112	0.214	0.428	-0.428
11	-0.166	0.215	0.430	-0.430
12	-0.217	0.217	0.433	-0.433
13	-0.099	0.220	0.439	-0.439
14	-0.067	0.220	0.441	-0.441
15	-0.059	0.221	0.441	-0.441

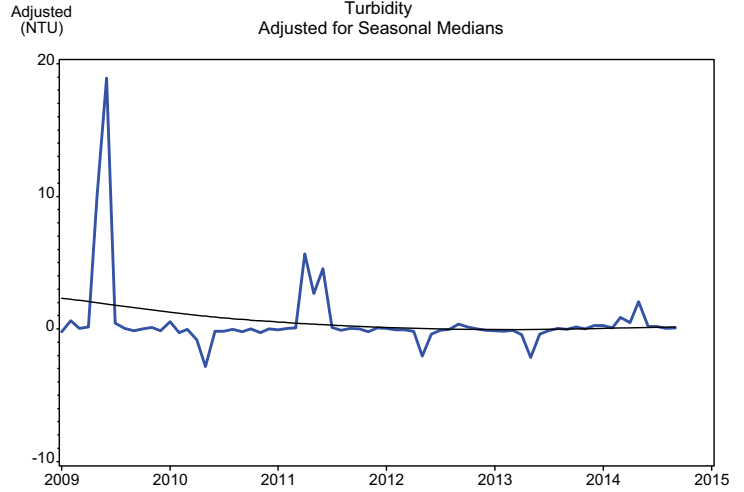
Tamiami Canal Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



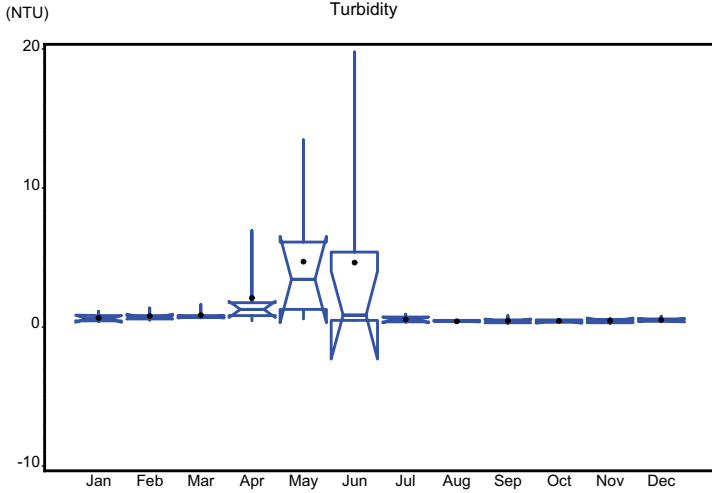
Tamiami Canal Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



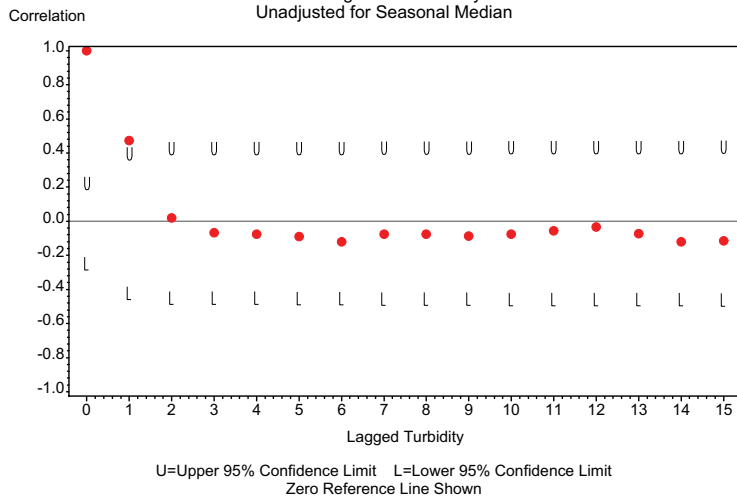
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Turbidity



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.474	0.204	0.408	-0.408
2	0.018	0.219	0.438	-0.438
3	-0.069	0.219	0.438	-0.438
4	-0.077	0.219	0.438	-0.438
5	-0.091	0.220	0.439	-0.439
6	-0.121	0.220	0.440	-0.440
7	-0.076	0.221	0.442	-0.442
8	-0.077	0.221	0.443	-0.443
9	-0.087	0.222	0.443	-0.443
10	-0.077	0.222	0.444	-0.444
11	-0.057	0.223	0.445	-0.445
12	-0.035	0.223	0.446	-0.446
13	-0.074	0.223	0.446	-0.446
14	-0.121	0.223	0.446	-0.446
15	-0.115	0.224	0.448	-0.448

Tamiami Canal Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



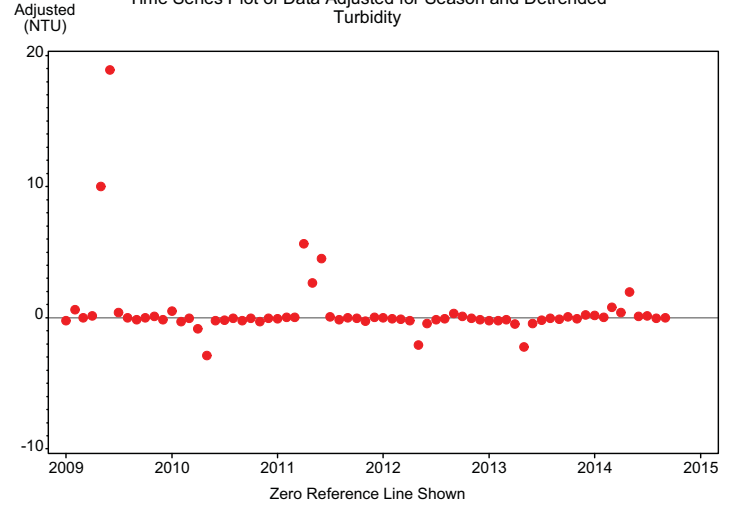
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.097	0.384	0.598	0.011

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.096970	0.38436	0.59816	0.011333

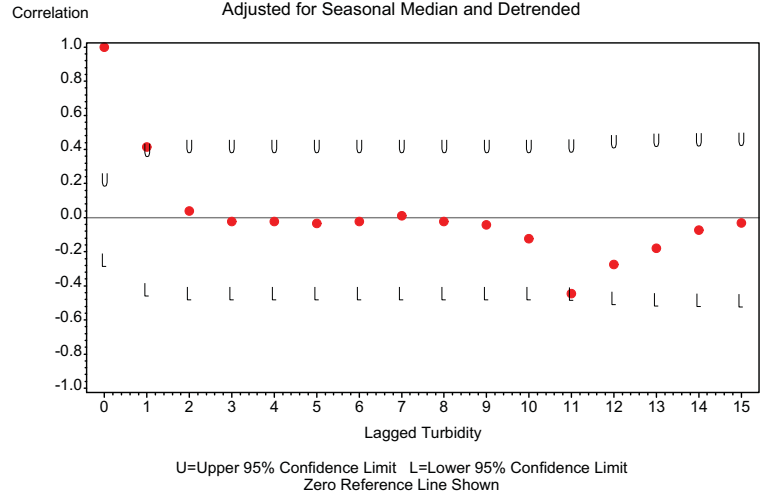
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



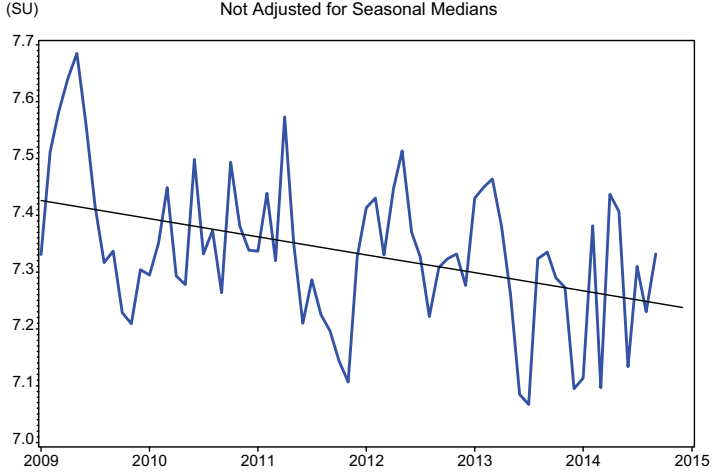
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.413	0.204	0.408	-0.408
2	0.039	0.215	0.431	-0.431
3	-0.022	0.215	0.431	-0.431
4	-0.022	0.216	0.431	-0.431
5	-0.034	0.216	0.431	-0.431
6	-0.023	0.216	0.431	-0.431
7	0.011	0.216	0.431	-0.431
8	-0.022	0.216	0.431	-0.431
9	-0.043	0.216	0.431	-0.431
10	-0.123	0.216	0.432	-0.432
11	-0.447	0.217	0.434	-0.434
12	-0.276	0.229	0.458	-0.458
13	-0.180	0.234	0.468	-0.468
14	-0.073	0.236	0.471	-0.471
15	-0.032	0.236	0.472	-0.472

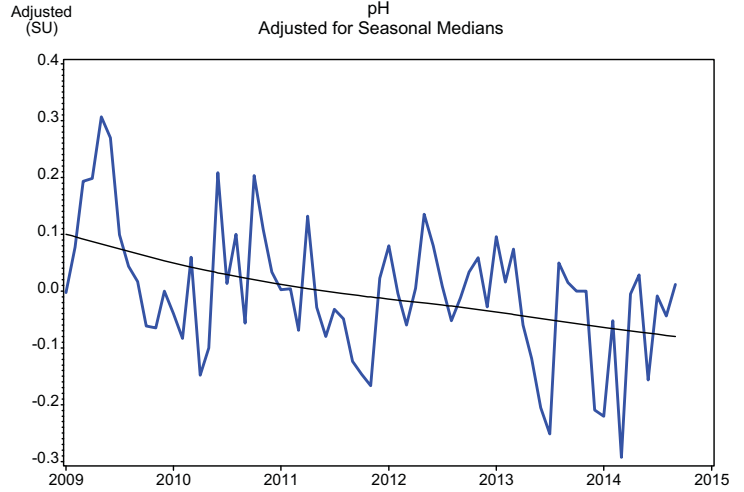
Tamiami Canal Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



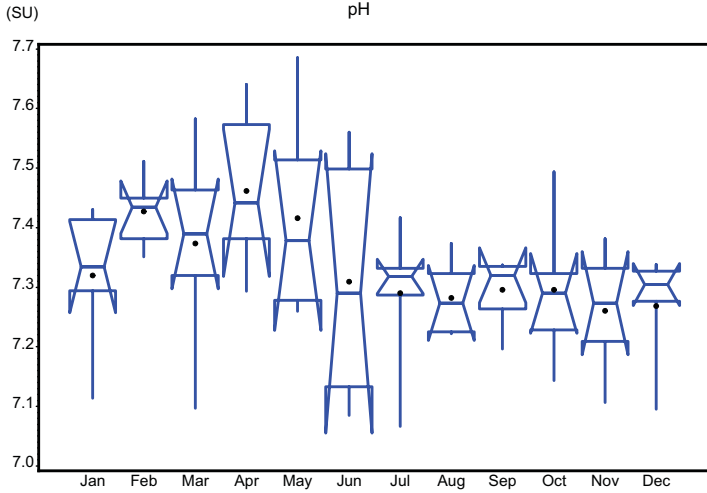
Tamiami Canal Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



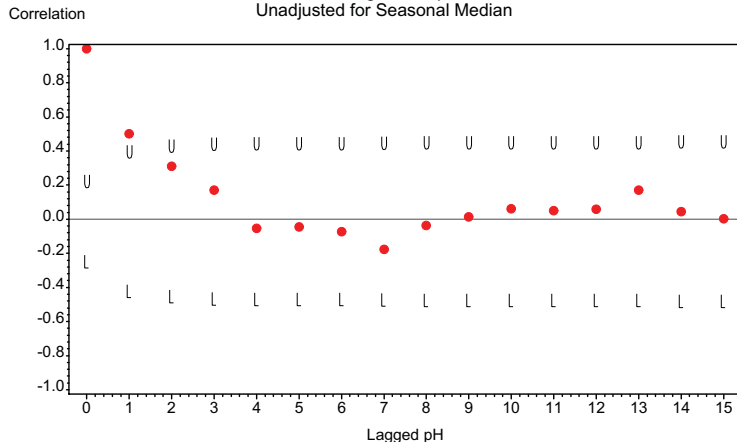
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
pH



Tamiami Canal Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.501	0.204	0.408	-0.408
2	0.311	0.221	0.441	-0.441
3	0.171	0.227	0.453	-0.453
4	-0.055	0.228	0.457	-0.457
5	-0.044	0.229	0.457	-0.457
6	-0.073	0.229	0.457	-0.457
7	-0.178	0.229	0.458	-0.458
8	-0.038	0.231	0.462	-0.462
9	0.014	0.231	0.462	-0.462
10	0.061	0.231	0.462	-0.462
11	0.049	0.231	0.462	-0.462
12	0.058	0.231	0.463	-0.463
13	0.169	0.232	0.463	-0.463
14	0.044	0.233	0.467	-0.467
15	0.001	0.233	0.467	-0.467

Tamiami Canal Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



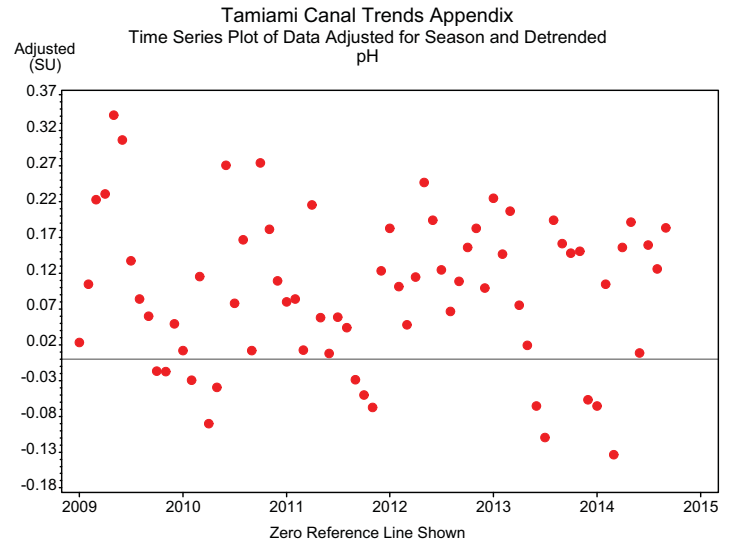
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.261	0.016	0.094	-0.026

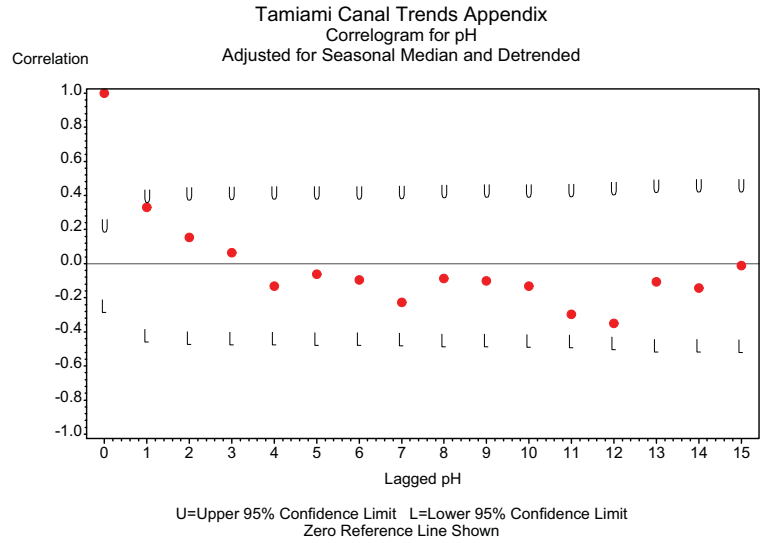
Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.26061	0.016176	0.094003	-0.0258

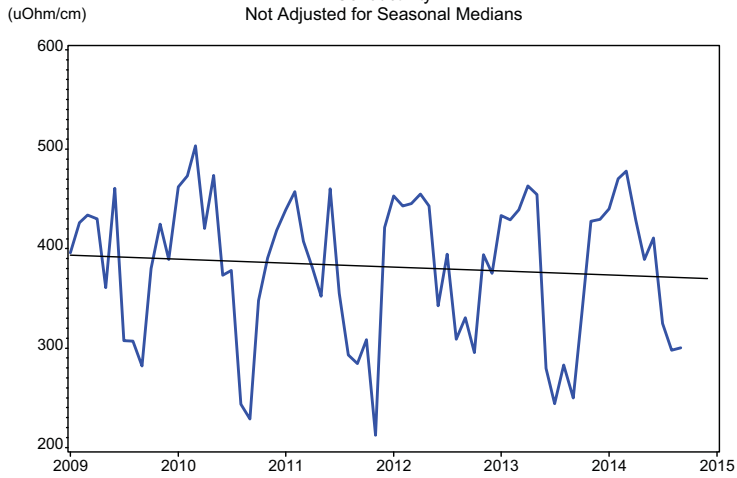


Tamiami Canal Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

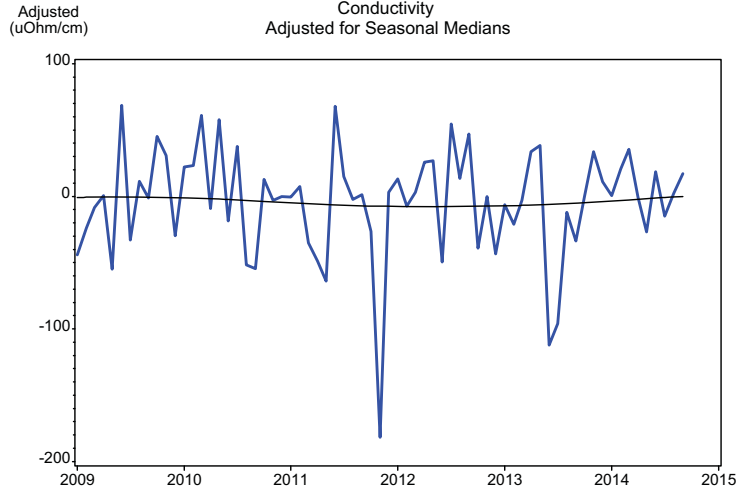
Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.331	0.204	0.408	-0.408
2	0.153	0.211	0.423	-0.423
3	0.065	0.213	0.426	-0.426
4	-0.133	0.213	0.427	-0.427
5	-0.062	0.214	0.429	-0.429
6	-0.097	0.215	0.429	-0.429
7	-0.227	0.215	0.431	-0.431
8	-0.088	0.219	0.437	-0.437
9	-0.100	0.219	0.438	-0.438
10	-0.132	0.220	0.439	-0.439
11	-0.298	0.221	0.442	-0.442
12	-0.350	0.226	0.453	-0.453
13	-0.108	0.234	0.467	-0.467
14	-0.142	0.234	0.469	-0.469
15	-0.013	0.236	0.471	-0.471



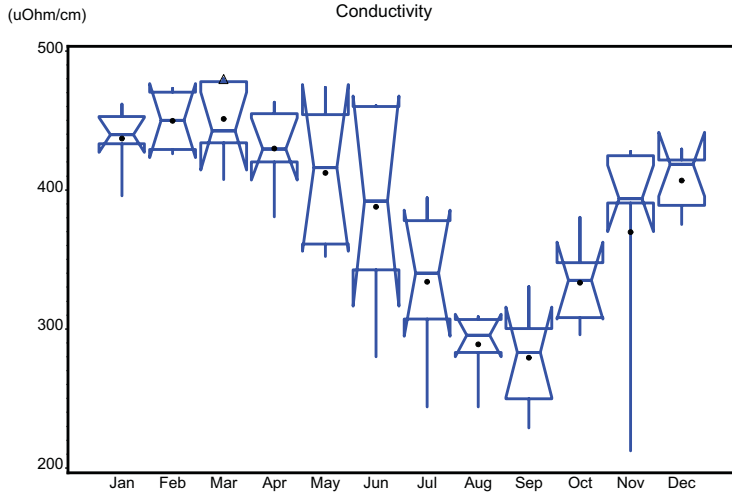
Tamiami Canal Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



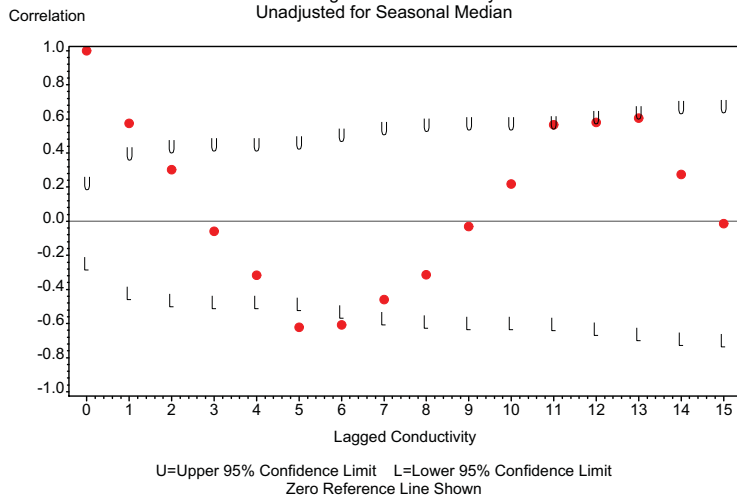
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Conductivity



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.573	0.204	0.408	-0.408
2	0.301	0.225	0.451	-0.451
3	-0.059	0.231	0.462	-0.462
4	-0.317	0.231	0.462	-0.462
5	-0.622	0.237	0.474	-0.474
6	-0.607	0.259	0.517	-0.517
7	-0.460	0.278	0.556	-0.556
8	-0.315	0.288	0.576	-0.576
9	-0.031	0.293	0.586	-0.586
10	0.217	0.293	0.586	-0.586
11	0.566	0.295	0.590	-0.590
12	0.578	0.310	0.620	-0.620
13	0.603	0.324	0.649	-0.649
14	0.274	0.340	0.679	-0.679
15	-0.014	0.343	0.685	-0.685

Tamiami Canal Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median

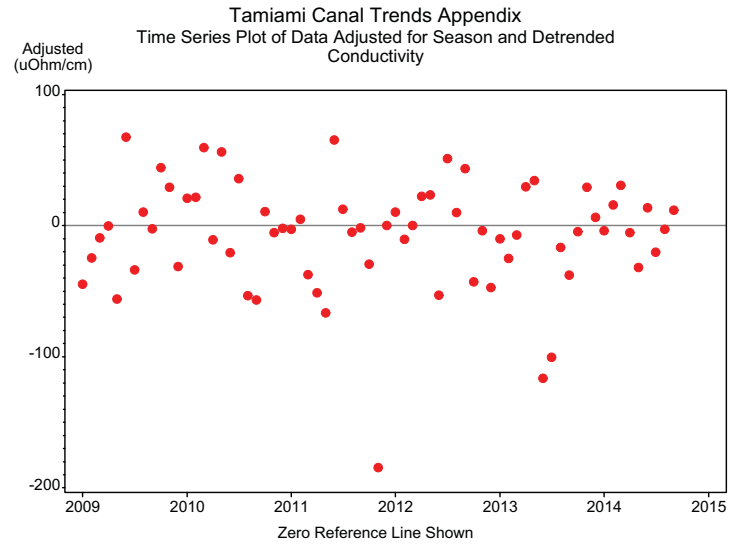


Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042	0.731	0.703	0.778

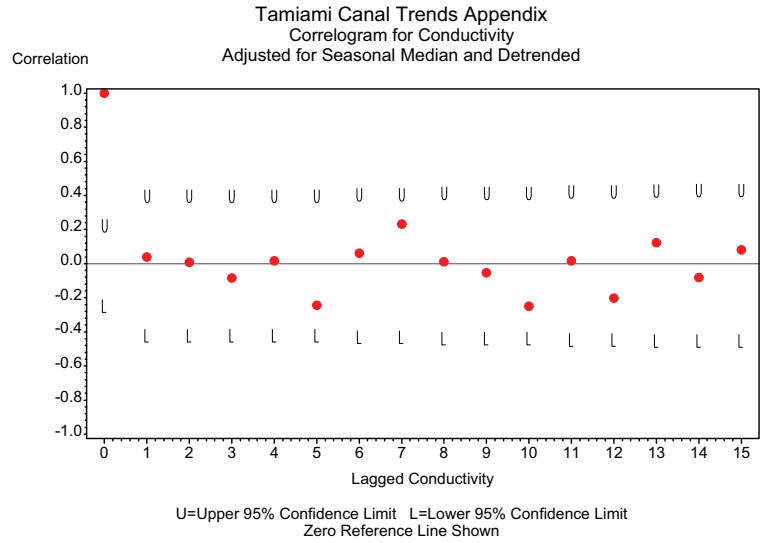
Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.042424	0.73118	0.70301	0.77775

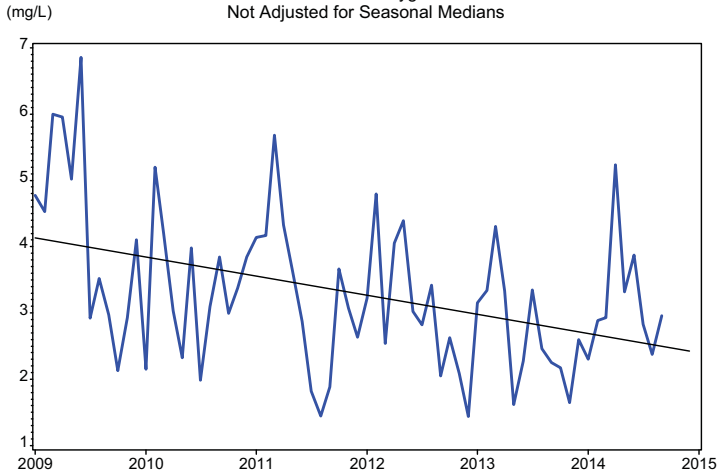


Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

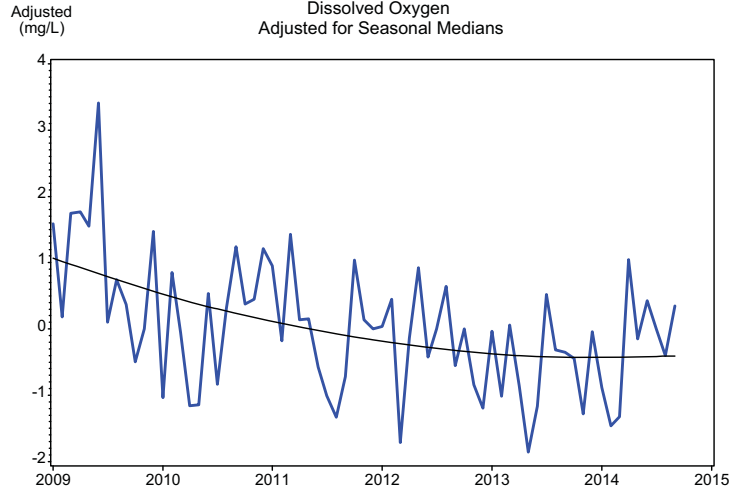
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.040	0.204	0.408	-0.408
2	0.009	0.204	0.408	-0.408
3	-0.084	0.204	0.408	-0.408
4	0.015	0.205	0.409	-0.409
5	-0.243	0.205	0.409	-0.409
6	0.062	0.209	0.417	-0.417
7	0.232	0.209	0.418	-0.418
8	0.012	0.213	0.425	-0.425
9	-0.053	0.213	0.425	-0.425
10	-0.249	0.213	0.425	-0.425
11	0.017	0.217	0.433	-0.433
12	-0.202	0.217	0.433	-0.433
13	0.123	0.219	0.439	-0.439
14	-0.083	0.220	0.441	-0.441
15	0.082	0.221	0.441	-0.441



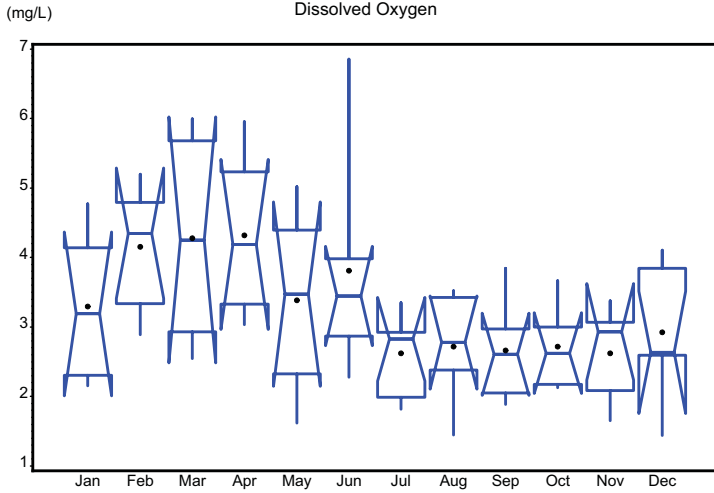
Tamiami Canal Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Dissolved Oxygen
Adjusted for Seasonal Medians



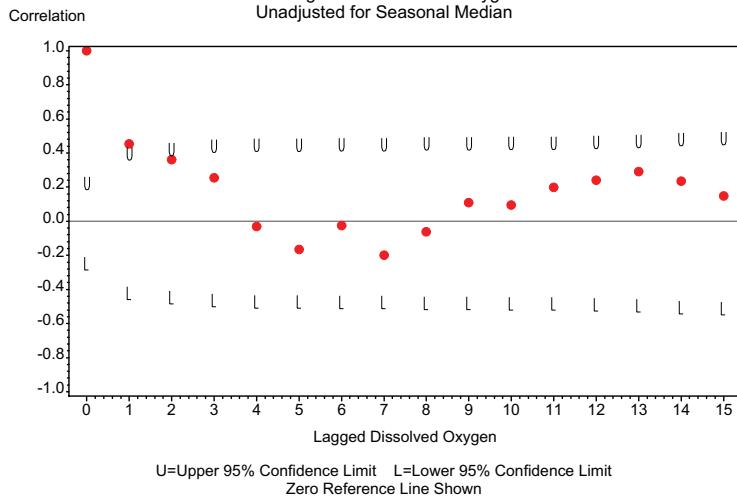
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Dissolved Oxygen



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Dissolved Oxygen
Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.453	0.204	0.408	-0.408
2	0.361	0.218	0.435	-0.435
3	0.253	0.226	0.452	-0.452
4	-0.031	0.230	0.459	-0.459
5	-0.167	0.230	0.460	-0.460
6	-0.025	0.231	0.463	-0.463
7	-0.199	0.232	0.463	-0.463
8	-0.063	0.234	0.468	-0.468
9	0.110	0.234	0.468	-0.468
10	0.095	0.235	0.470	-0.470
11	0.198	0.235	0.471	-0.471
12	0.239	0.238	0.475	-0.475
13	0.290	0.241	0.482	-0.482
14	0.235	0.246	0.492	-0.492
15	0.147	0.249	0.498	-0.498

Tamiami Canal Trends Appendix
Correlogram for Dissolved Oxygen
Unadjusted for Seasonal Median

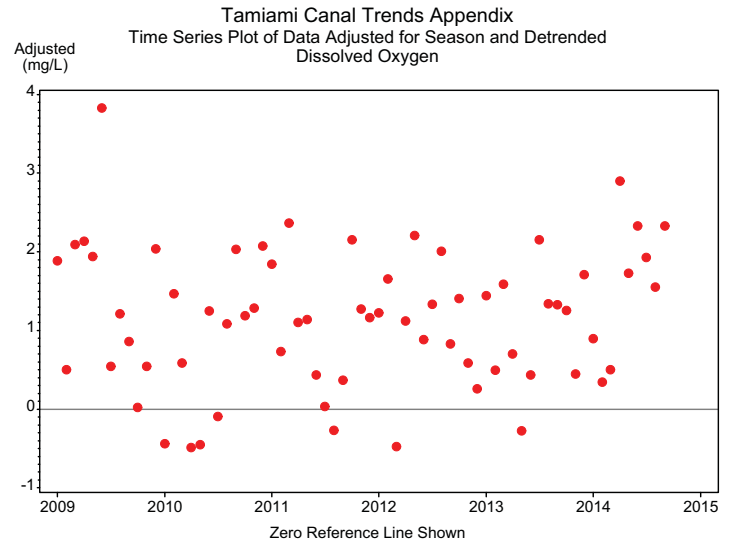


Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Dissolved Oxygen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.333	.002	0.054	-0.297

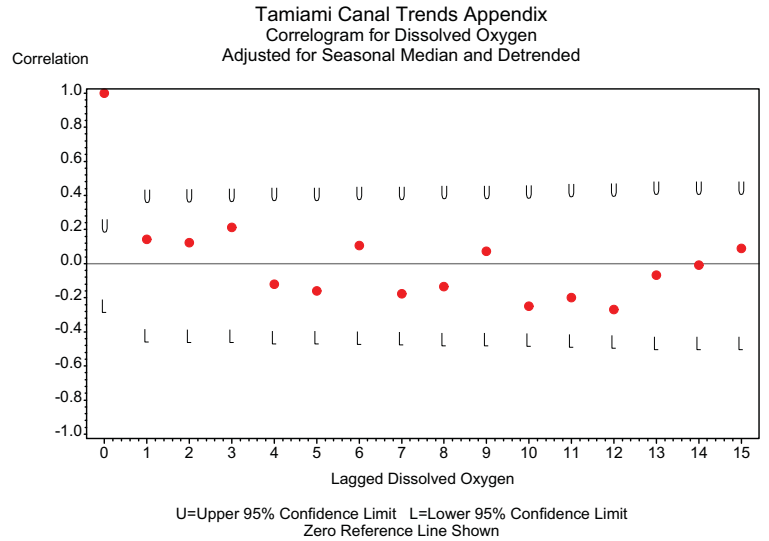
Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.33333	.00198782	0.054141	-0.2965

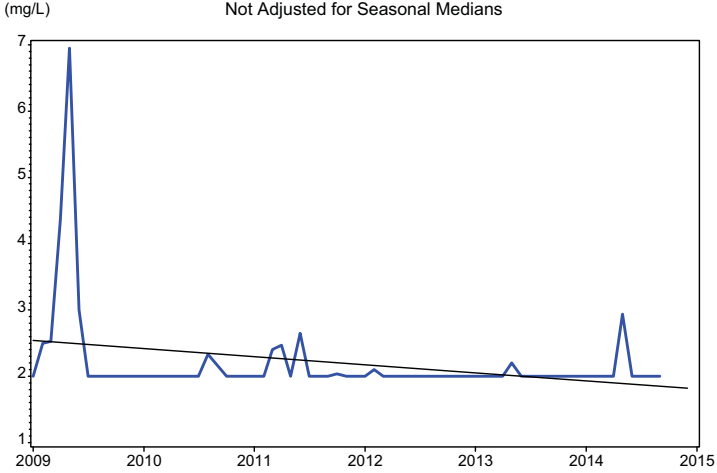


Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

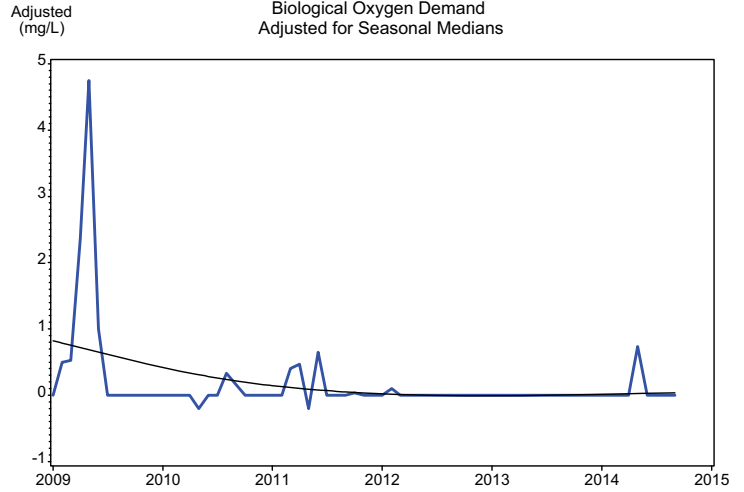
Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.141	0.204	0.408	-0.408
2	0.122	0.205	0.411	-0.411
3	0.212	0.206	0.413	-0.413
4	-0.122	0.209	0.419	-0.419
5	-0.161	0.210	0.421	-0.421
6	0.107	0.212	0.424	-0.424
7	-0.176	0.213	0.426	-0.426
8	-0.135	0.215	0.430	-0.430
9	0.073	0.216	0.432	-0.432
10	-0.249	0.216	0.433	-0.433
11	-0.199	0.220	0.441	-0.441
12	-0.269	0.223	0.446	-0.446
13	-0.069	0.227	0.455	-0.455
14	-0.008	0.228	0.455	-0.455
15	0.089	0.228	0.455	-0.455



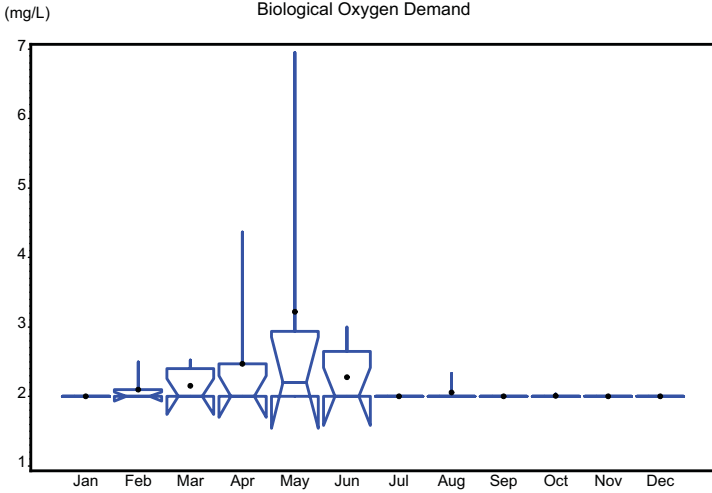
Tamiami Canal Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Biological Oxygen Demand
Adjusted for Seasonal Medians



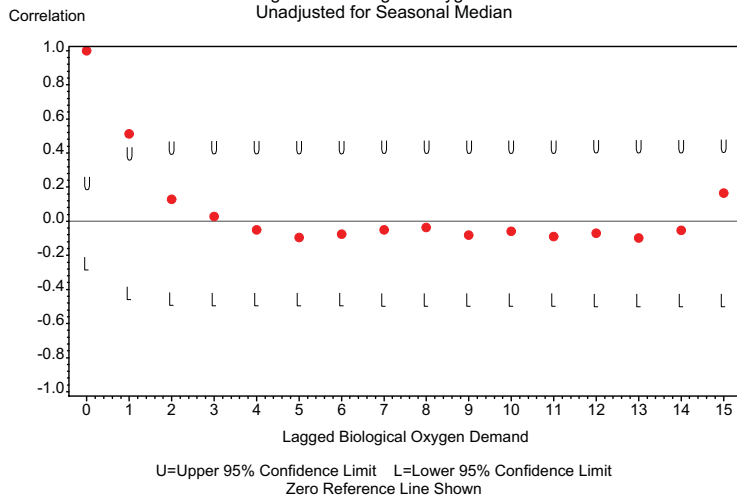
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Biological Oxygen Demand



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Biological Oxygen Demand
Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.513	0.204	0.408	-0.408
2	0.127	0.221	0.443	-0.443
3	0.027	0.222	0.445	-0.445
4	-0.050	0.222	0.445	-0.445
5	-0.097	0.223	0.445	-0.445
6	-0.075	0.223	0.446	-0.446
7	-0.051	0.223	0.447	-0.447
8	-0.036	0.224	0.447	-0.447
9	-0.082	0.224	0.447	-0.447
10	-0.058	0.224	0.448	-0.448
11	-0.091	0.224	0.449	-0.449
12	-0.070	0.225	0.450	-0.450
13	-0.099	0.225	0.450	-0.450
14	-0.054	0.226	0.451	-0.451
15	0.165	0.226	0.452	-0.452

Tamiami Canal Trends Appendix
Correlogram for Biological Oxygen Demand
Unadjusted for Seasonal Median



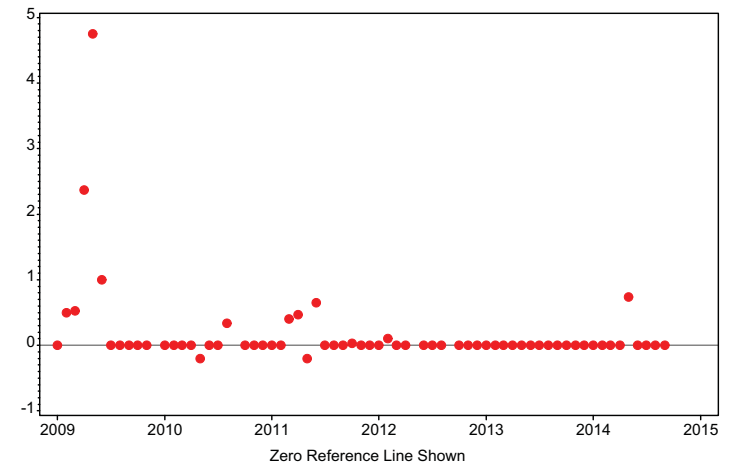
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Biological Oxygen Demand
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.19	0.011	0.117	0

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.19048	0.011446	0.11657	0

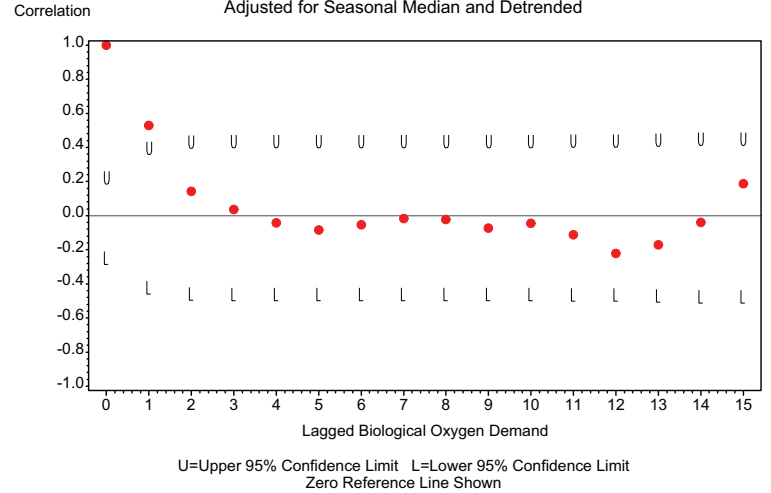
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



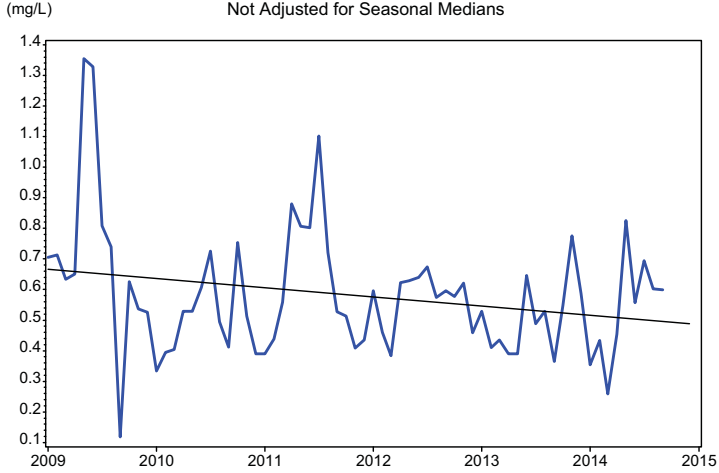
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.528	0.204	0.408	-0.408
2	0.143	0.222	0.445	-0.445
3	0.036	0.224	0.447	-0.447
4	-0.042	0.224	0.447	-0.447
5	-0.084	0.224	0.447	-0.447
6	-0.053	0.224	0.448	-0.448
7	-0.017	0.224	0.449	-0.449
8	-0.022	0.224	0.449	-0.449
9	-0.074	0.224	0.449	-0.449
10	-0.044	0.225	0.449	-0.449
11	-0.113	0.225	0.450	-0.450
12	-0.223	0.226	0.451	-0.451
13	-0.170	0.229	0.457	-0.457
14	-0.041	0.230	0.461	-0.461
15	0.186	0.231	0.461	-0.461

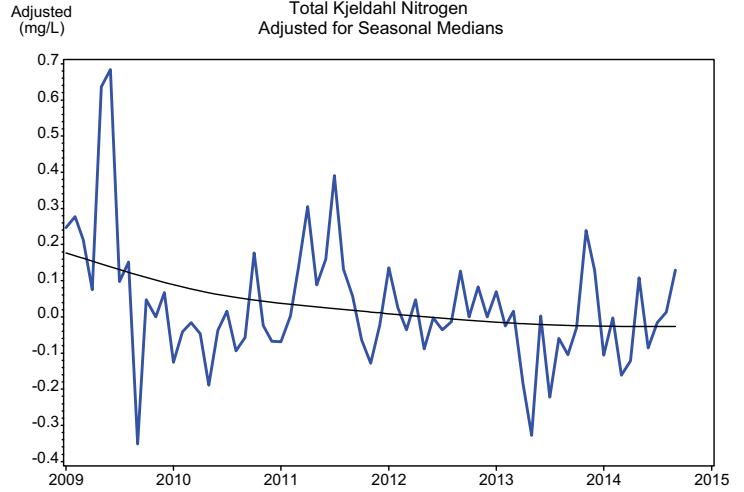
Tamiami Canal Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



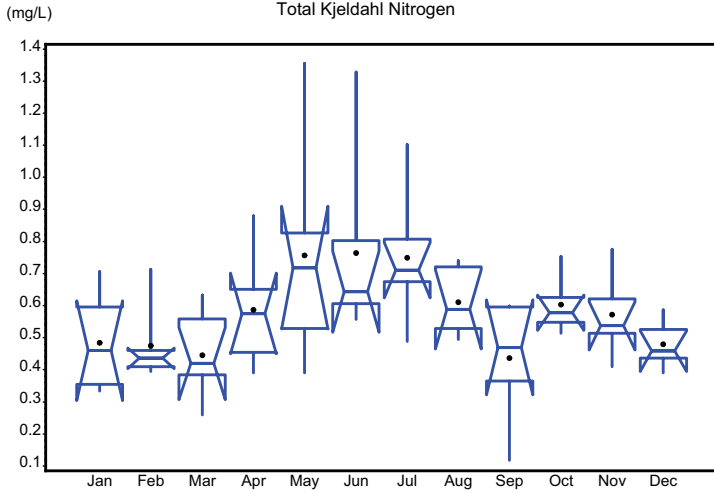
Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Total Kjeldahl Nitrogen
Adjusted for Seasonal Medians



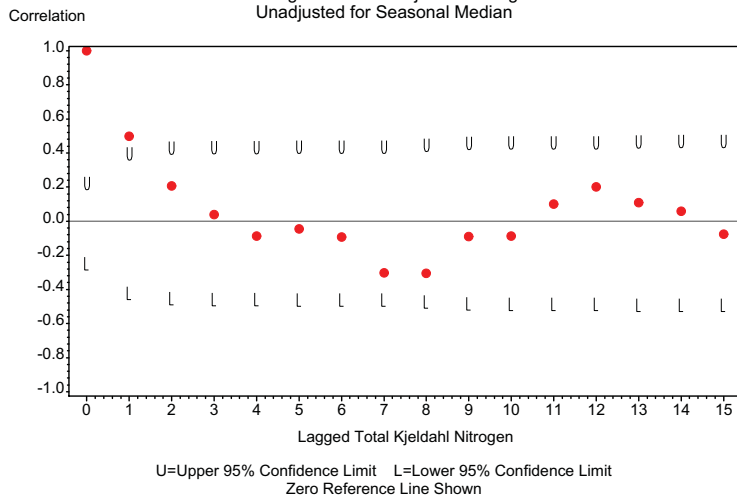
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Total Kjeldahl Nitrogen



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.497	0.204	0.408	-0.408
2	0.207	0.220	0.441	-0.441
3	0.039	0.223	0.446	-0.446
4	-0.087	0.223	0.446	-0.446
5	-0.046	0.224	0.447	-0.447
6	-0.092	0.224	0.447	-0.447
7	-0.303	0.224	0.448	-0.448
8	-0.305	0.230	0.460	-0.460
9	-0.090	0.235	0.471	-0.471
10	-0.087	0.236	0.472	-0.472
11	0.099	0.236	0.473	-0.473
12	0.201	0.237	0.474	-0.474
13	0.109	0.239	0.478	-0.478
14	0.057	0.240	0.480	-0.480
15	-0.076	0.240	0.480	-0.480

Tamiami Canal Trends Appendix
Correlogram for Total Kjeldahl Nitrogen
Unadjusted for Seasonal Median



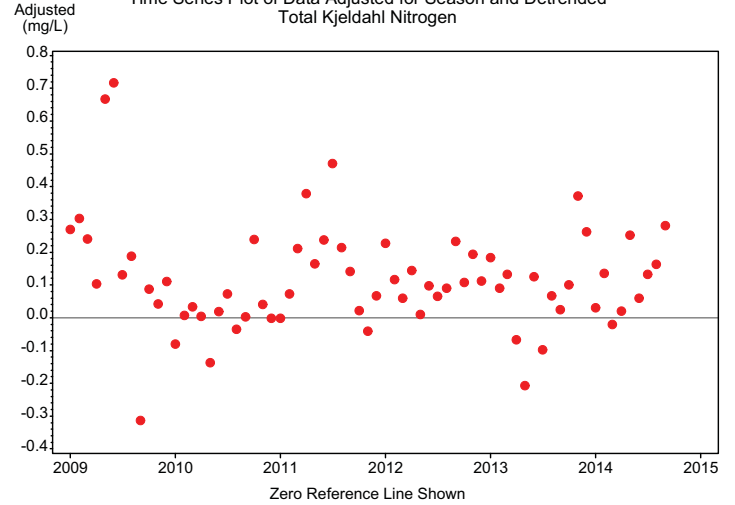
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Kjeldahl Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.176	0.109	0.351	-0.023

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17576	0.10887	0.35127	-0.022667

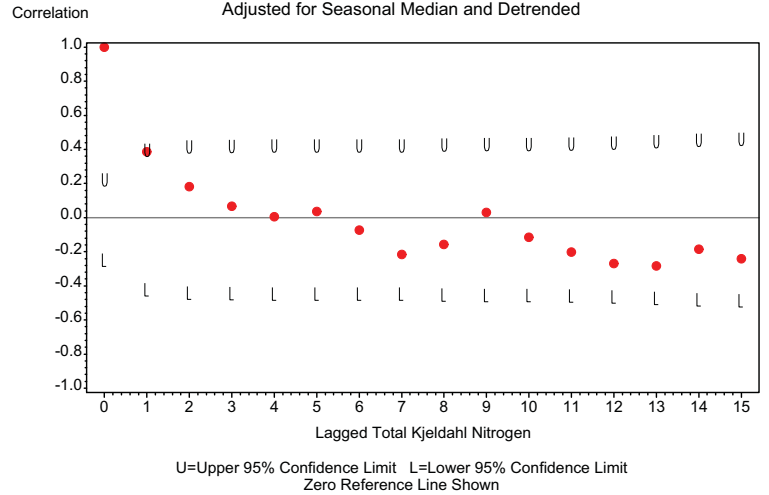
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



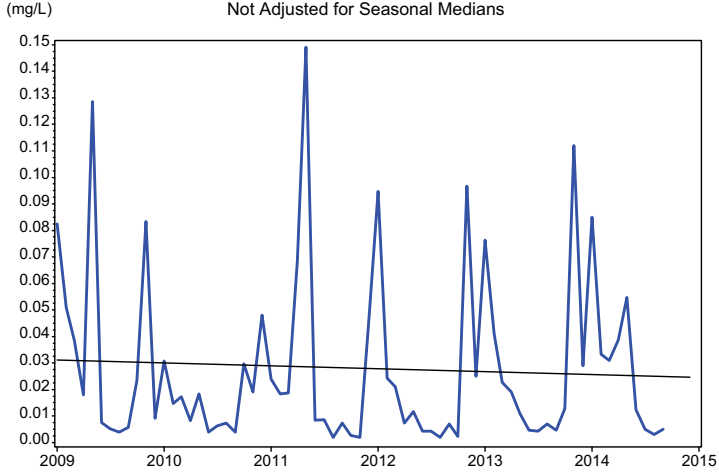
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.385	0.204	0.408	-0.408
2	0.181	0.214	0.428	-0.428
3	0.068	0.216	0.432	-0.432
4	0.005	0.216	0.433	-0.433
5	0.036	0.216	0.433	-0.433
6	-0.073	0.216	0.433	-0.433
7	-0.216	0.217	0.434	-0.434
8	-0.158	0.220	0.440	-0.440
9	0.029	0.221	0.443	-0.443
10	-0.115	0.221	0.443	-0.443
11	-0.202	0.222	0.444	-0.444
12	-0.268	0.225	0.450	-0.450
13	-0.284	0.229	0.458	-0.458
14	-0.184	0.234	0.468	-0.468
15	-0.241	0.236	0.472	-0.472

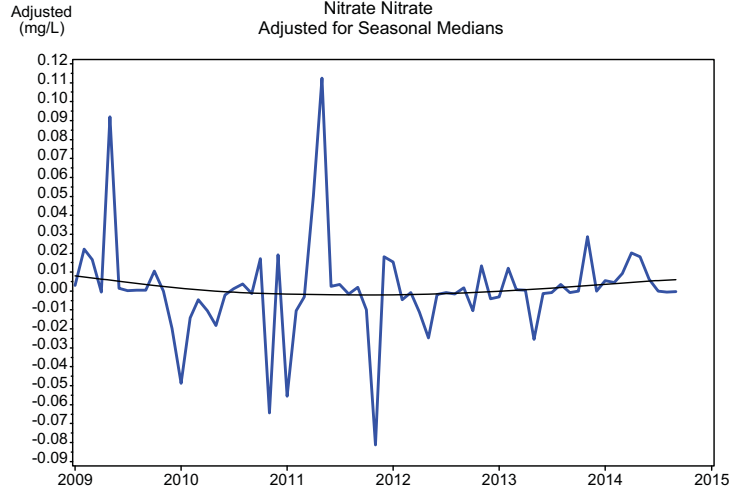
Tamiami Canal Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



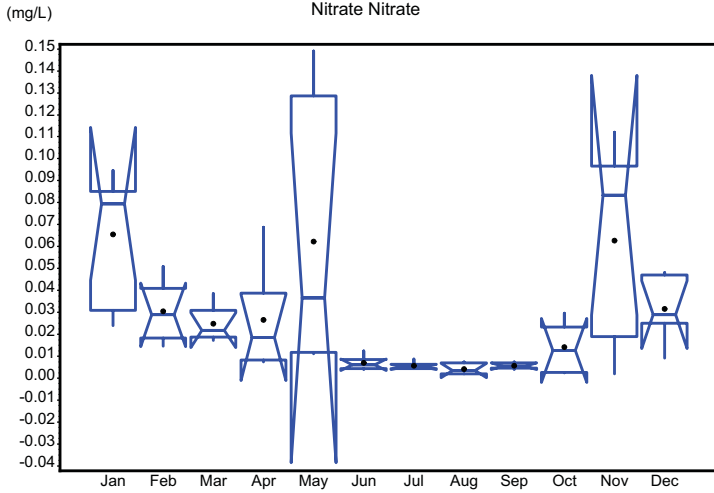
Tamiami Canal Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Nitrate Nitrate
Adjusted for Seasonal Medians



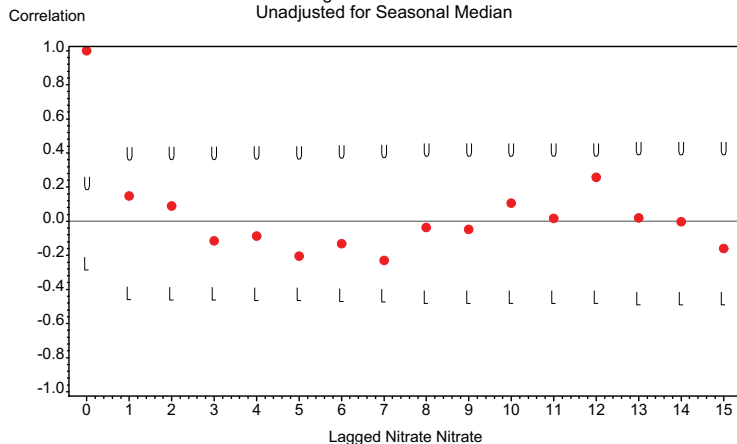
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Nitrate Nitrate



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Nitrate Nitrate
Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.148	0.204	0.408	-0.408
2	0.088	0.206	0.411	-0.411
3	-0.116	0.206	0.412	-0.412
4	-0.087	0.207	0.414	-0.414
5	-0.206	0.208	0.415	-0.415
6	-0.131	0.210	0.421	-0.421
7	-0.229	0.211	0.423	-0.423
8	-0.037	0.215	0.430	-0.430
9	-0.047	0.215	0.430	-0.430
10	0.107	0.215	0.430	-0.430
11	0.015	0.216	0.432	-0.432
12	0.257	0.216	0.432	-0.432
13	0.018	0.220	0.440	-0.440
14	-0.002	0.220	0.440	-0.440
15	-0.160	0.220	0.440	-0.440

Tamiami Canal Trends Appendix
Correlogram for Nitrate Nitrate
Unadjusted for Seasonal Median



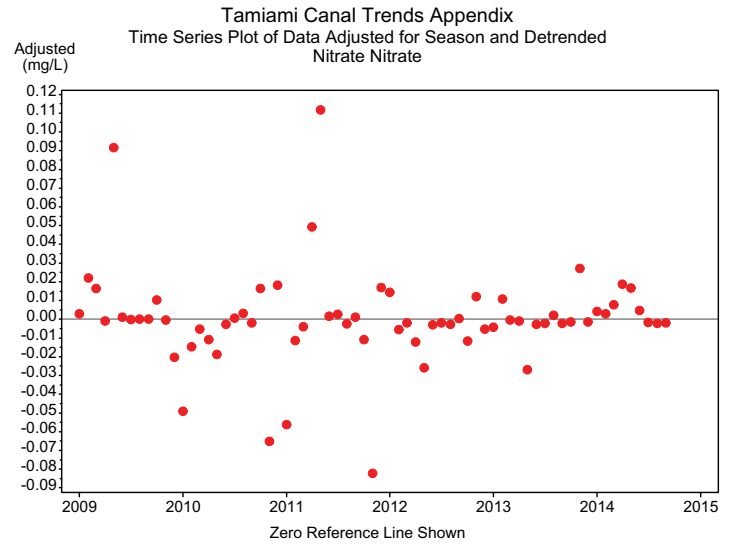
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Nitrate Nitrate
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.048	0.685	0.701	0

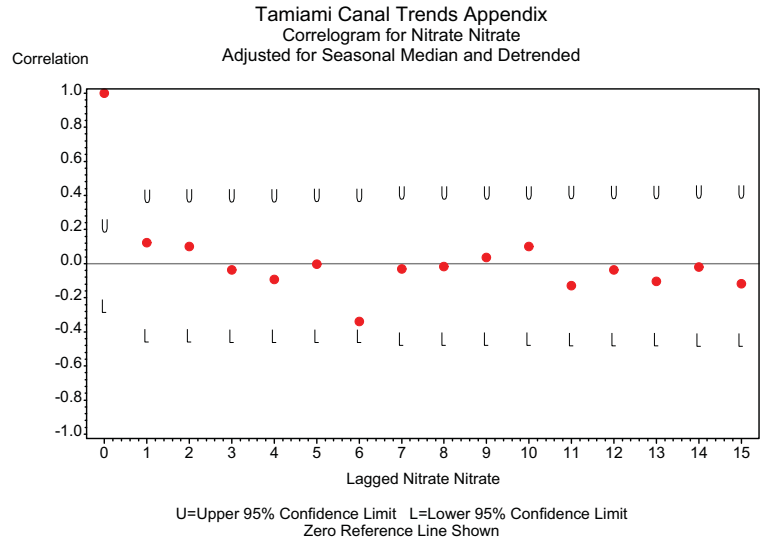
Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.060606	0.60090	0.61525	.00025

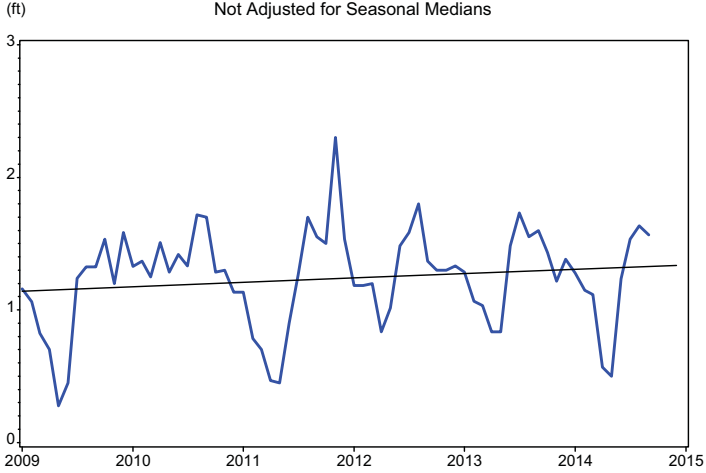


Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

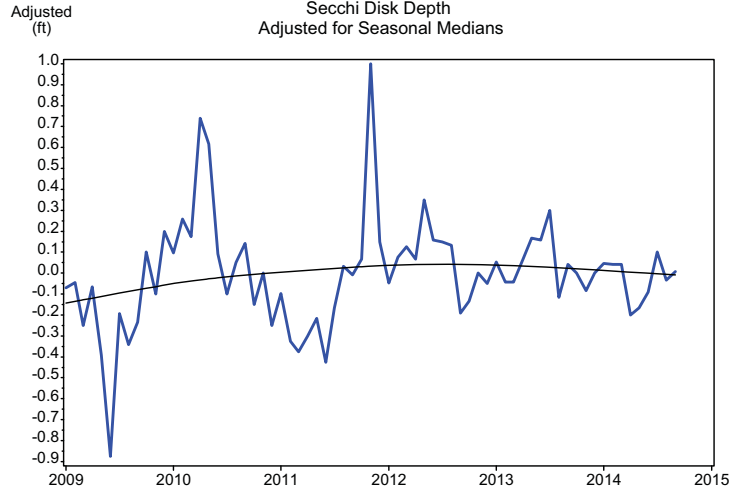
Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.124	0.204	0.408	-0.408
2	0.101	0.205	0.410	-0.410
3	-0.036	0.206	0.412	-0.412
4	-0.094	0.206	0.412	-0.412
5	-0.004	0.207	0.413	-0.413
6	-0.339	0.207	0.413	-0.413
7	-0.031	0.214	0.428	-0.428
8	-0.017	0.214	0.428	-0.428
9	0.036	0.214	0.428	-0.428
10	0.101	0.214	0.429	-0.429
11	-0.128	0.215	0.430	-0.430
12	-0.036	0.216	0.432	-0.432
13	-0.104	0.216	0.432	-0.432
14	-0.021	0.217	0.434	-0.434
15	-0.119	0.217	0.434	-0.434



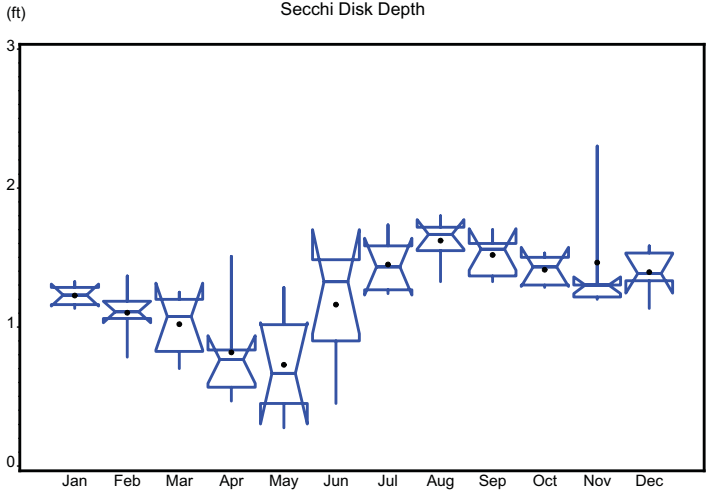
Tamiami Canal Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



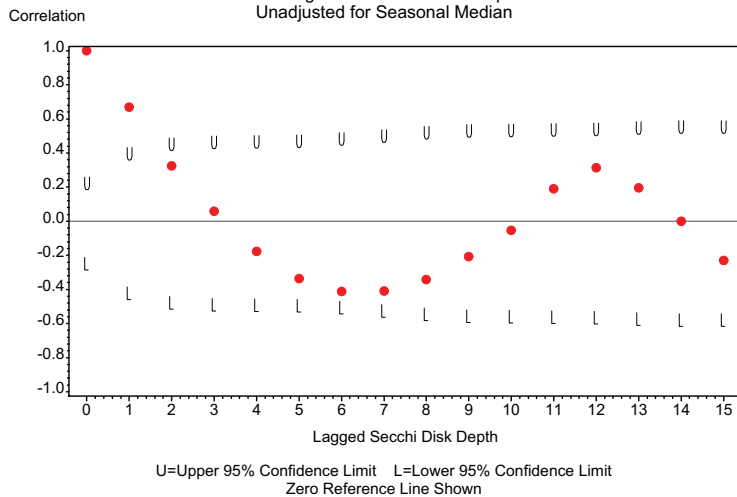
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.668	0.204	0.408	-0.408
2	0.323	0.233	0.465	-0.465
3	0.058	0.239	0.477	-0.477
4	-0.178	0.239	0.478	-0.478
5	-0.336	0.241	0.481	-0.481
6	-0.413	0.247	0.494	-0.494
7	-0.410	0.257	0.513	-0.513
8	-0.342	0.265	0.531	-0.531
9	-0.207	0.272	0.543	-0.543
10	-0.053	0.274	0.547	-0.547
11	0.189	0.274	0.548	-0.548
12	0.312	0.276	0.551	-0.551
13	0.196	0.281	0.561	-0.561
14	0.000	0.282	0.565	-0.565
15	-0.229	0.282	0.565	-0.565

Tamiami Canal Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



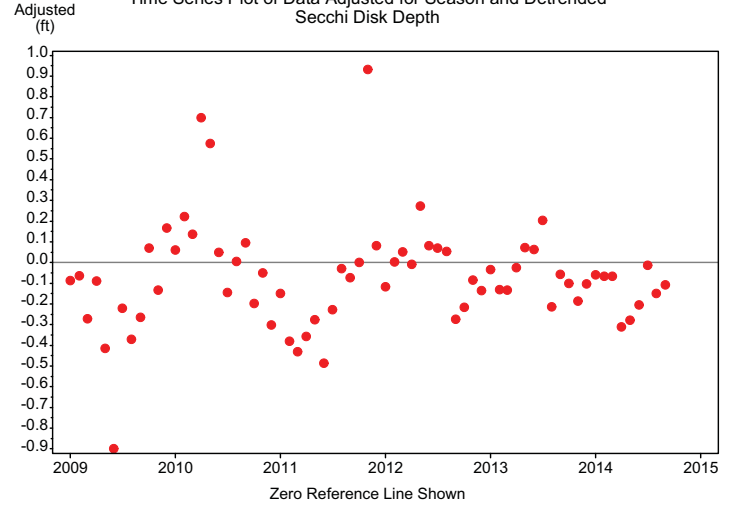
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.121	0.274	0.542	0.017

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.12121	0.27425	0.54210	0.0176

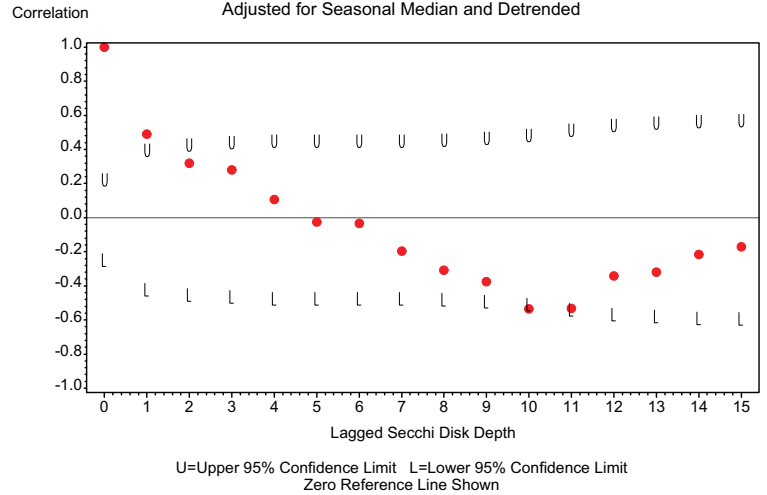
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



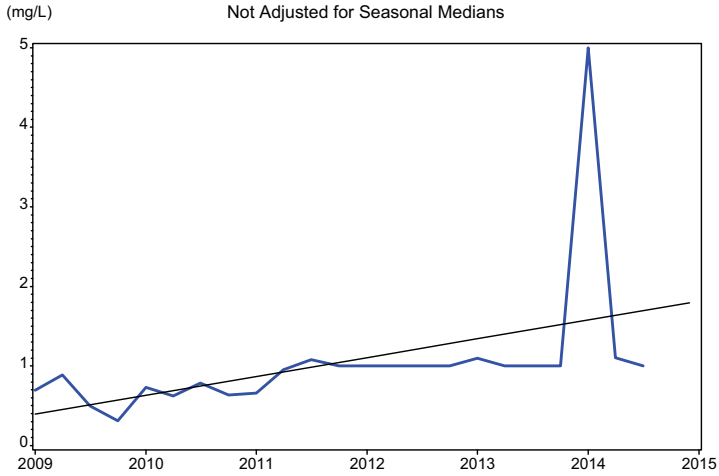
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.490	0.204	0.408	-0.408
2	0.319	0.220	0.440	-0.440
3	0.279	0.226	0.452	-0.452
4	0.105	0.231	0.462	-0.462
5	-0.025	0.232	0.463	-0.463
6	-0.035	0.232	0.463	-0.463
7	-0.196	0.232	0.463	-0.463
8	-0.308	0.234	0.468	-0.468
9	-0.375	0.240	0.479	-0.479
10	-0.536	0.248	0.495	-0.495
11	-0.532	0.263	0.526	-0.526
12	-0.342	0.278	0.555	-0.555
13	-0.319	0.284	0.567	-0.567
14	-0.217	0.288	0.577	-0.577
15	-0.172	0.291	0.581	-0.581

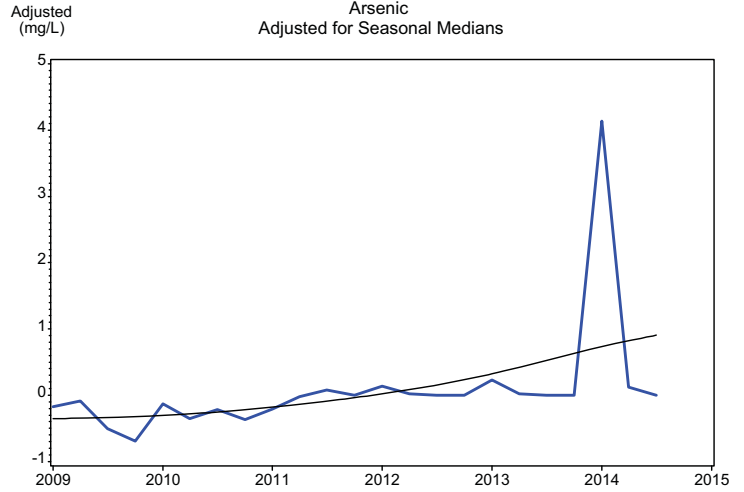
Tamiami Canal Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



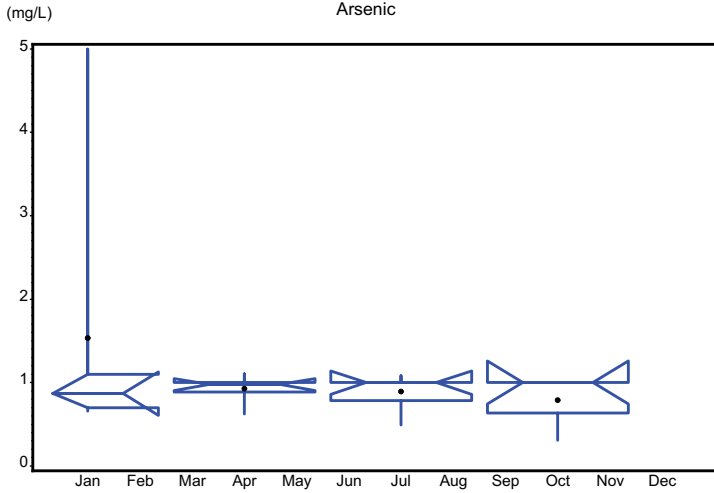
Tamiami Canal Trends Appendix
Monthly Data Time Series
Arsenic
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Arsenic
Adjusted for Seasonal Medians



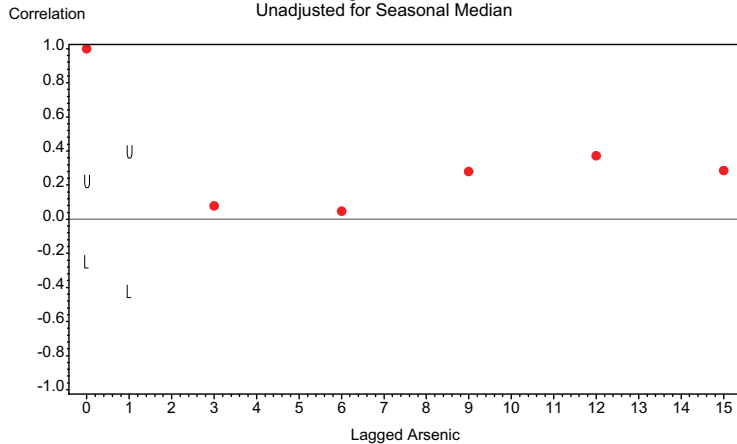
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Arsenic



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Arsenic
Unadjusted for Seasonal Medians

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.079	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.048	.	.	.
7	.	.	.	.
8	.	.	.	.
9	0.280	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.373	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.284	.	.	.

Tamiami Canal Trends Appendix
Correlogram for Arsenic
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

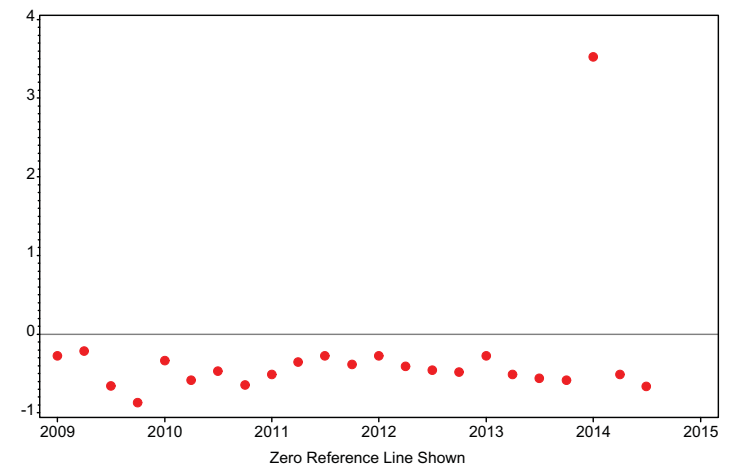
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Arsenic
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.655	0	0.02	0.102

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Arsenic
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.65455	.000291586	0.019540	0.10167

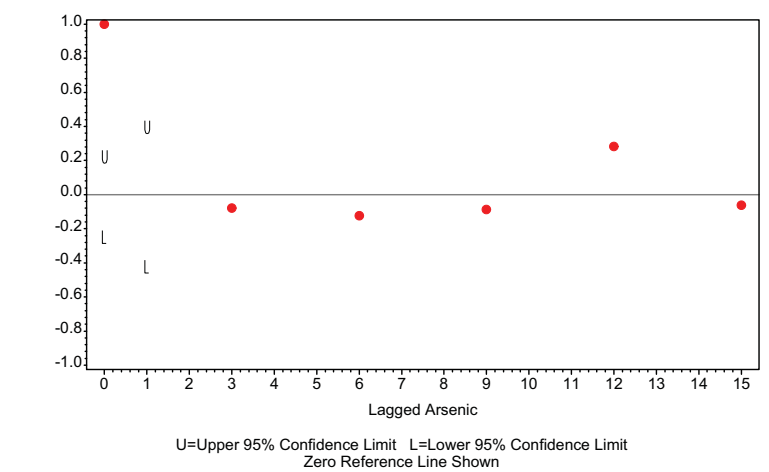
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Arsenic



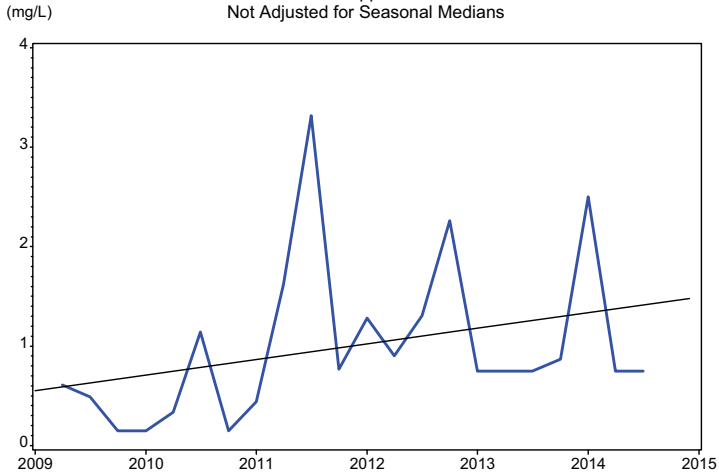
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Arsenic
 Adjusted for Seasonal Median and Detrended

Lagged Arsenic	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.080	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.123	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.086	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.283	.	.	.
13	.	.	.	.
14	.	.	.	.
15	-0.063	.	.	.

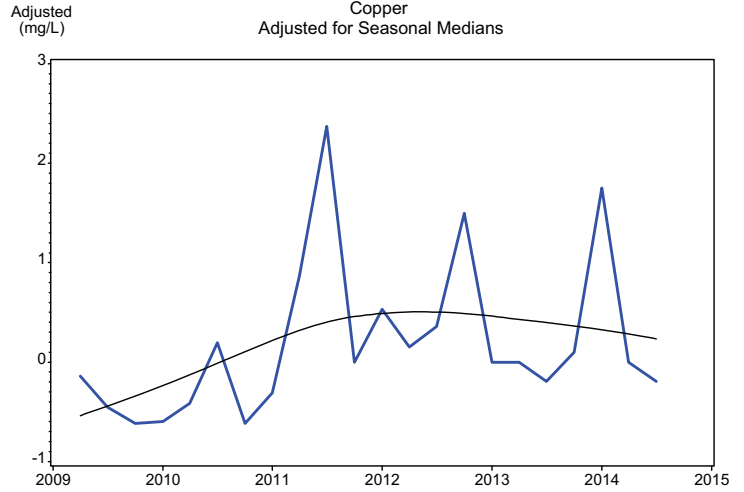
Tamiami Canal Trends Appendix
 Correlogram for Arsenic
 Adjusted for Seasonal Median and Detrended



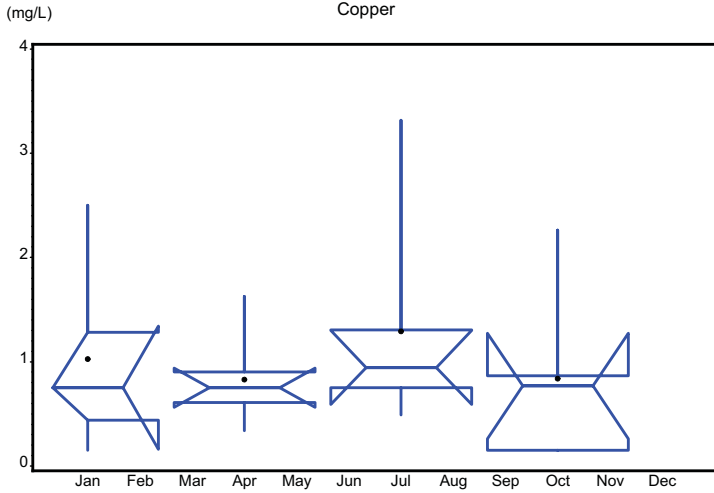
Tamiami Canal Trends Appendix
Monthly Data Time Series
Copper
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Copper
Adjusted for Seasonal Medians



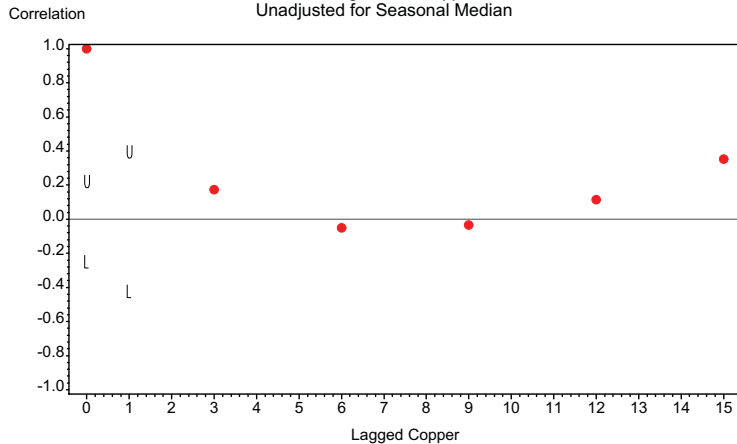
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Copper



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Copper
Unadjusted for Seasonal Medians

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.173	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.052	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.034	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.113	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.351	.	.	.

Tamiami Canal Trends Appendix
Correlogram for Copper
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

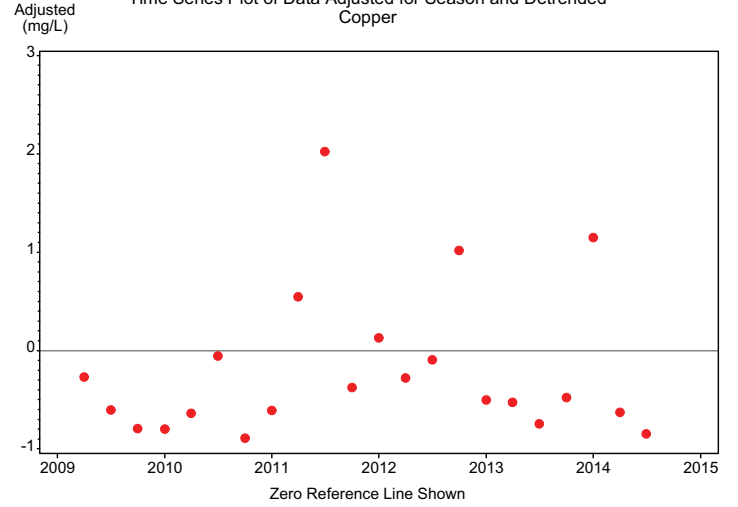
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Copper
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.34	0.086	0.233	0.1

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Copper
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.34	0.086276	0.23347	0.10046

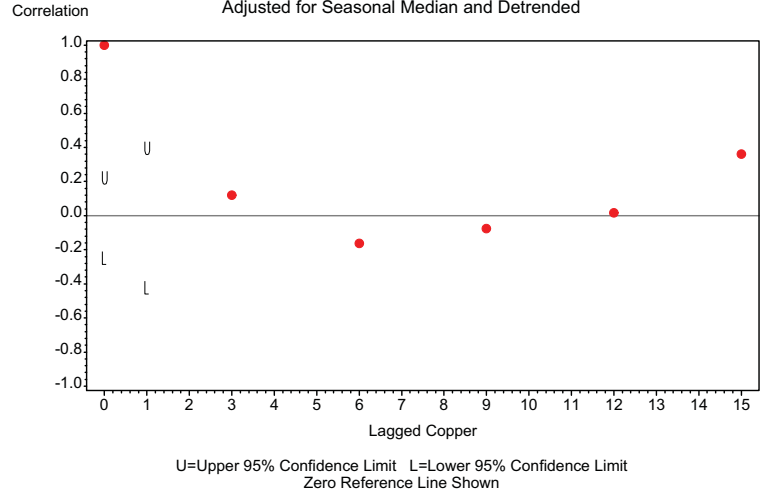
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Copper



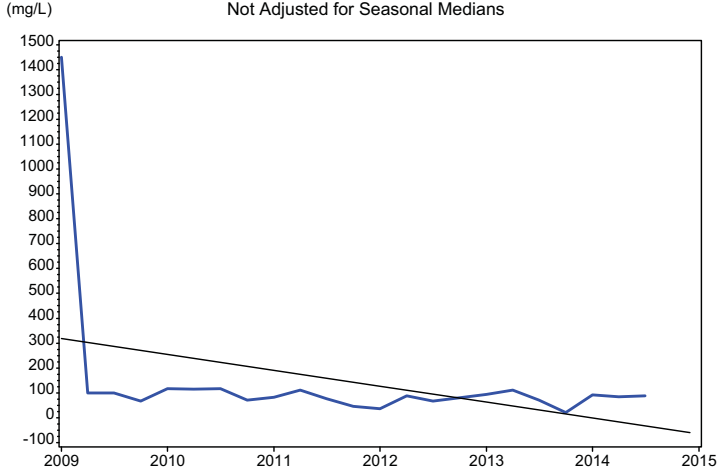
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Copper
 Adjusted for Seasonal Median and Detrended

Lagged Copper	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.119	.	.	.
4	.	.	.	.
5	.	.	.	.
6	-0.164	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.076	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.017	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.360	.	.	.

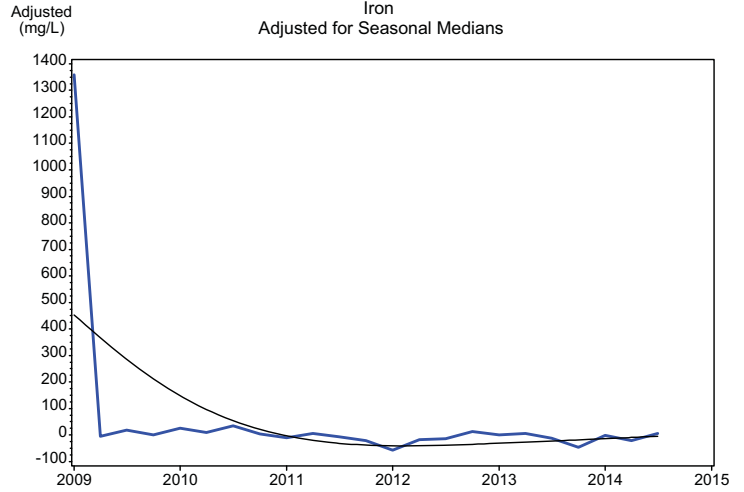
Tamiami Canal Trends Appendix
 Correlogram for Copper
 Adjusted for Seasonal Median and Detrended



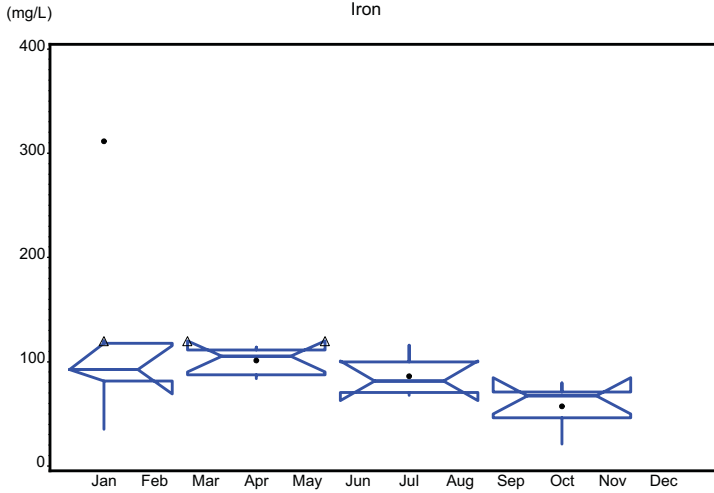
Tamiami Canal Trends Appendix
Monthly Data Time Series
Iron
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Iron
Adjusted for Seasonal Medians



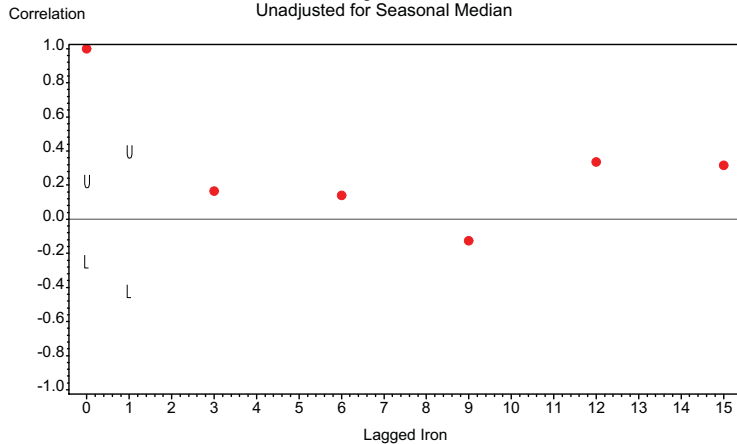
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Iron



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Iron
Unadjusted for Seasonal Medians

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	0.164	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.140	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.127	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.335	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.317	.	.	.

Tamiami Canal Trends Appendix
Correlogram for Iron
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

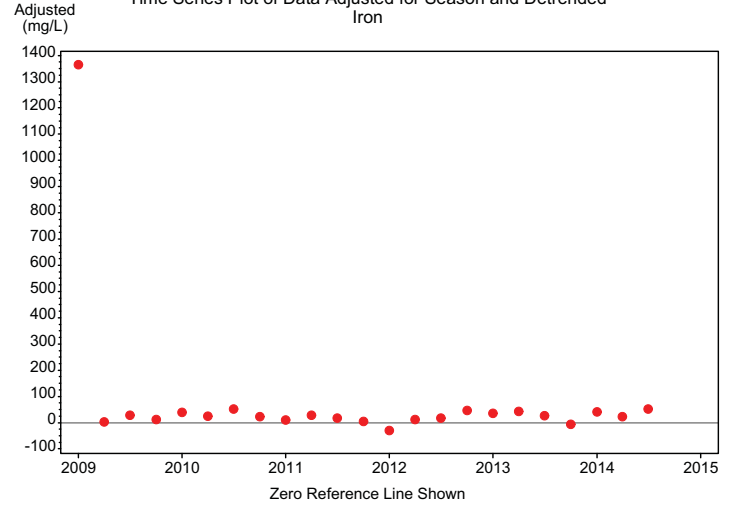
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Iron
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.382	0.047	0.121	-7.004

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Iron
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.38182	0.047308	0.12096	-7.00425

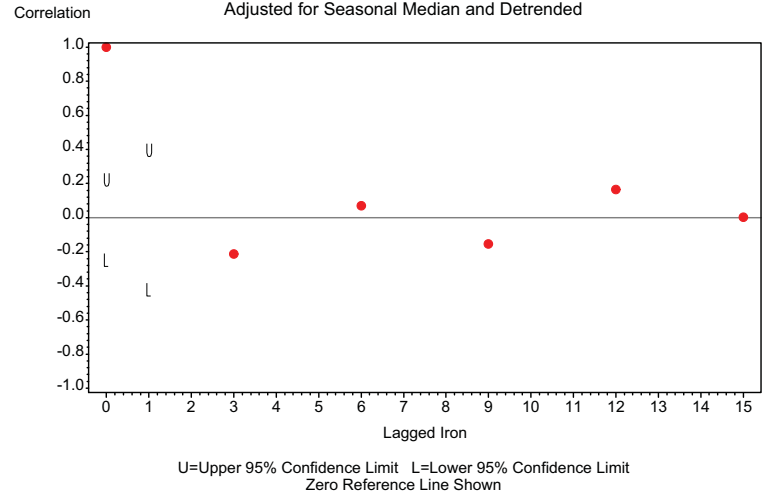
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Iron



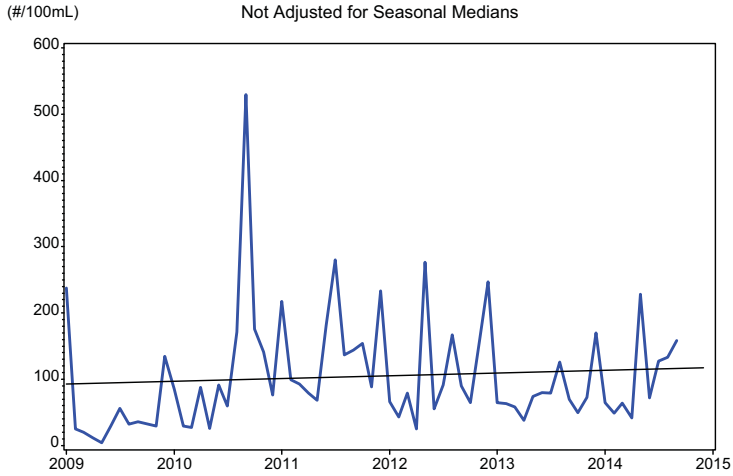
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Iron
 Adjusted for Seasonal Median and Detrended

Lagged Iron	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	.	0.204	0.408	-0.408
2	.	.	.	.
3	-0.213	.	.	.
4	.	.	.	.
5	.	.	.	.
6	0.069	.	.	.
7	.	.	.	.
8	.	.	.	.
9	-0.154	.	.	.
10	.	.	.	.
11	.	.	.	.
12	0.165	.	.	.
13	.	.	.	.
14	.	.	.	.
15	0.003	.	.	.

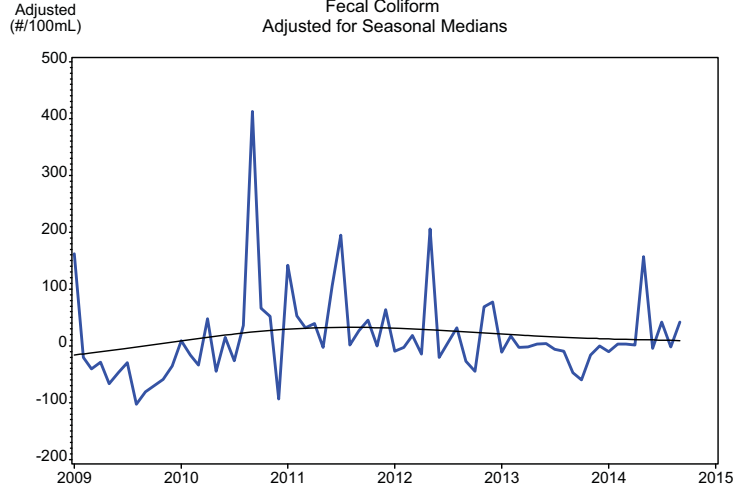
Tamiami Canal Trends Appendix
 Correlogram for Iron
 Adjusted for Seasonal Median and Detrended



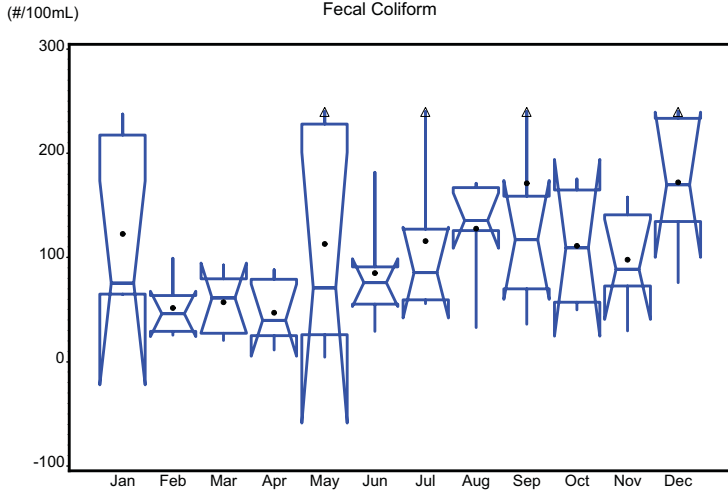
Tamiami Canal Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Tamiami Canal Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



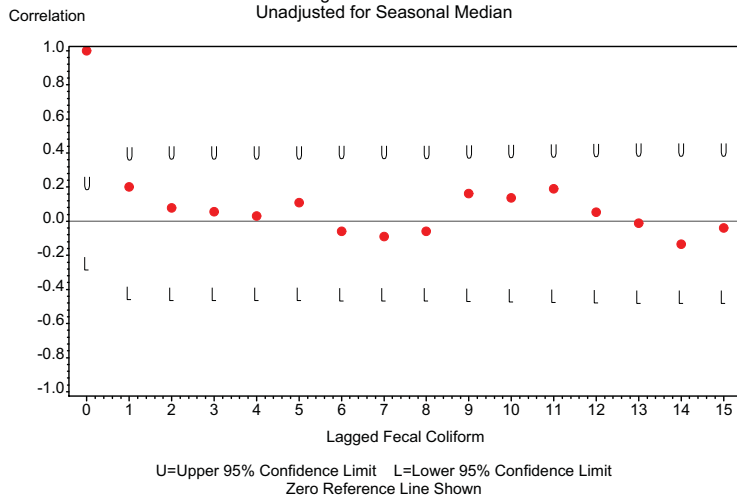
Tamiami Canal Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Tamiami Canal Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.202	0.204	0.408	-0.408
2	0.077	0.207	0.414	-0.414
3	0.055	0.207	0.415	-0.415
4	0.031	0.207	0.415	-0.415
5	0.108	0.208	0.415	-0.415
6	-0.059	0.208	0.417	-0.417
7	-0.091	0.209	0.417	-0.417
8	-0.058	0.209	0.418	-0.418
9	0.163	0.209	0.419	-0.419
10	0.136	0.211	0.422	-0.422
11	0.189	0.212	0.425	-0.425
12	0.053	0.215	0.429	-0.429
13	-0.012	0.215	0.430	-0.430
14	-0.135	0.215	0.430	-0.430
15	-0.041	0.216	0.432	-0.432

Tamiami Canal Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



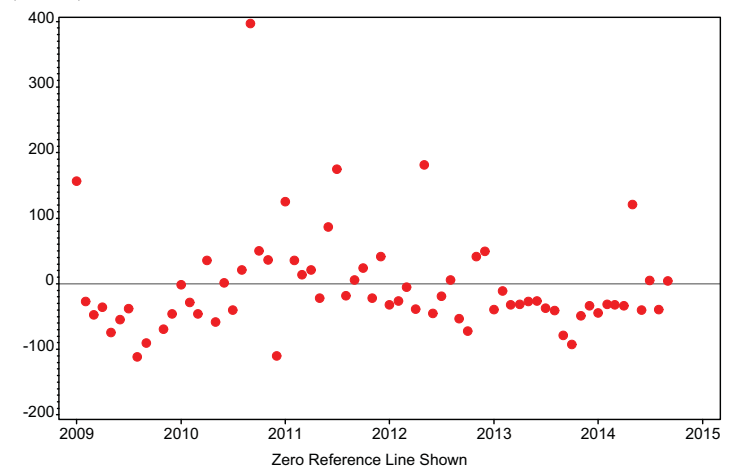
Tamiami Canal Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13	0.246	0.561	5.667

Tamiami Canal Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13044	0.24584	0.56058	5.666

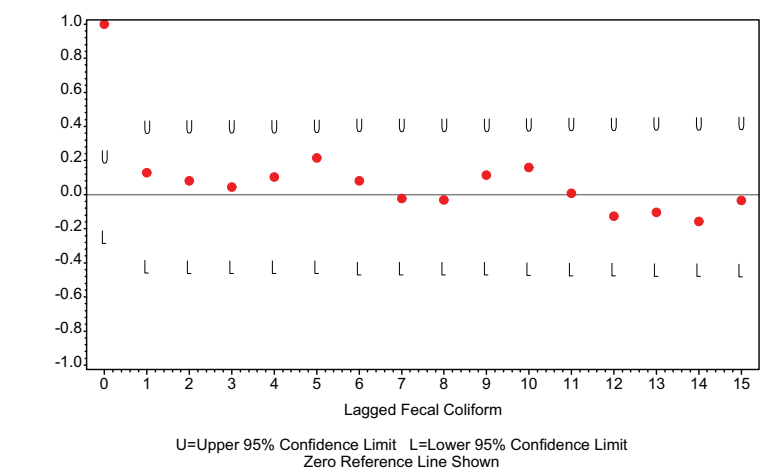
Tamiami Canal Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



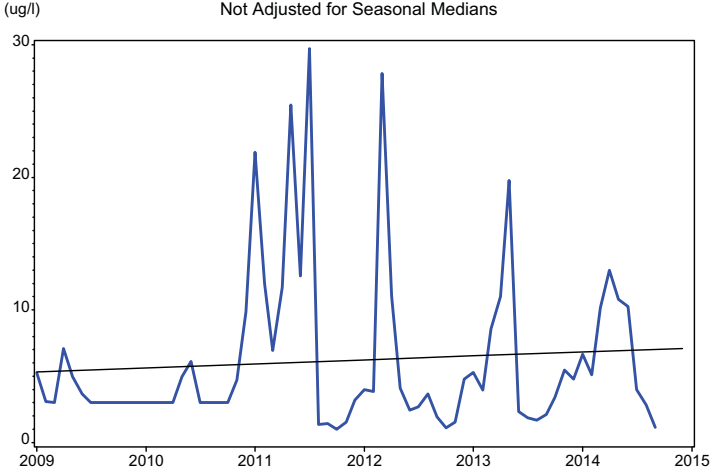
Tamiami Canal Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.129	0.204	0.408	-0.408
2	0.082	0.205	0.411	-0.411
3	0.043	0.206	0.411	-0.411
4	0.104	0.206	0.412	-0.412
5	0.215	0.207	0.413	-0.413
6	0.082	0.210	0.419	-0.419
7	-0.024	0.210	0.420	-0.420
8	-0.031	0.210	0.420	-0.420
9	0.113	0.210	0.420	-0.420
10	0.159	0.211	0.422	-0.422
11	0.007	0.213	0.425	-0.425
12	-0.127	0.213	0.425	-0.425
13	-0.103	0.214	0.428	-0.428
14	-0.158	0.214	0.429	-0.429
15	-0.033	0.216	0.432	-0.432

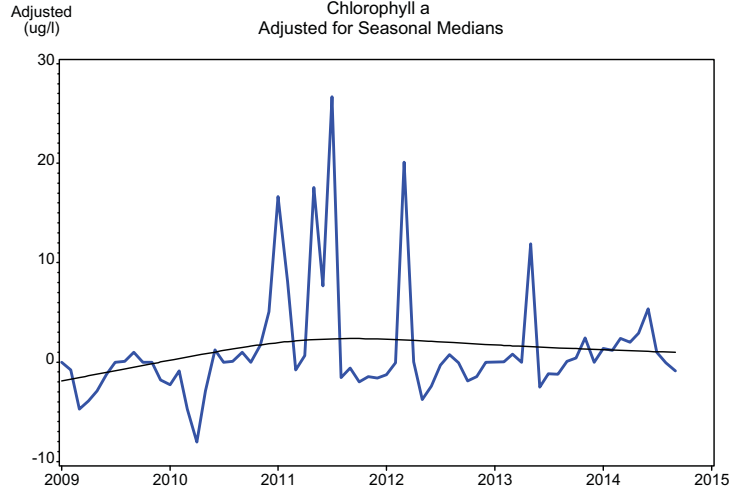
Tamiami Canal Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



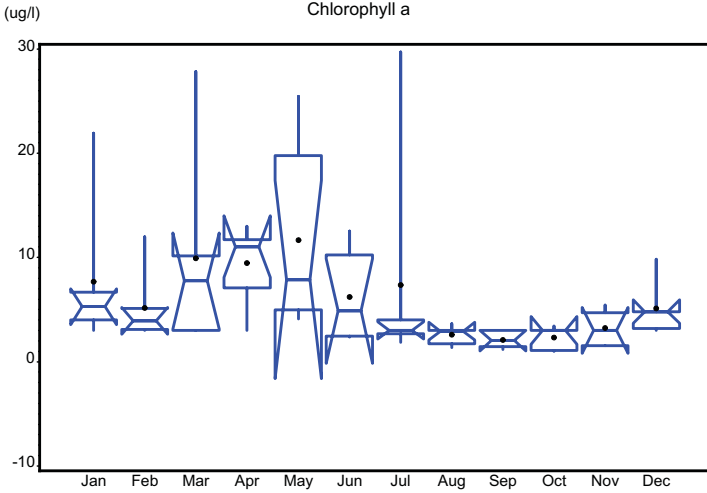
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Chlorophyll a
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Chlorophyll a
 Adjusted for Seasonal Medians



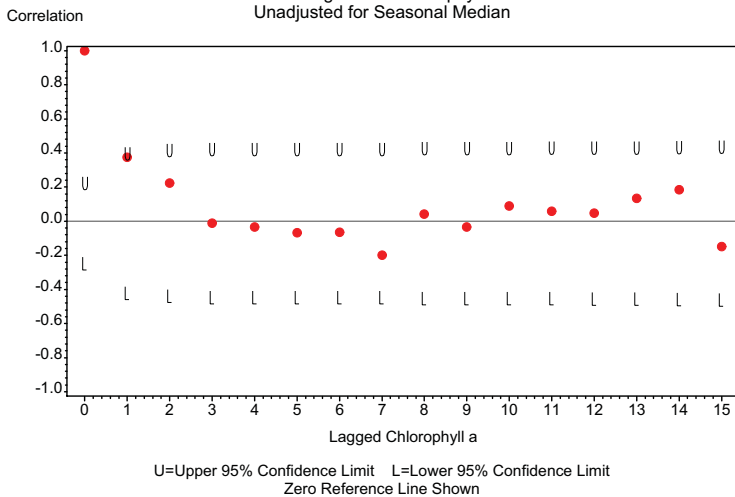
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Chlorophyll a



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Unadjusted for Seasonal Medians

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.376	0.204	0.408	-0.408
2	0.224	0.214	0.427	-0.427
3	-0.011	0.217	0.434	-0.434
4	-0.034	0.217	0.434	-0.434
5	-0.069	0.217	0.434	-0.434
6	-0.065	0.217	0.434	-0.434
7	-0.200	0.217	0.435	-0.435
8	0.042	0.220	0.440	-0.440
9	-0.034	0.220	0.440	-0.440
10	0.090	0.220	0.440	-0.440
11	0.058	0.221	0.441	-0.441
12	0.046	0.221	0.442	-0.442
13	0.133	0.221	0.442	-0.442
14	0.184	0.222	0.444	-0.444
15	-0.149	0.224	0.448	-0.448

Ten Thousand Islands Trends Appendix
 Correlogram for Chlorophyll a
 Unadjusted for Seasonal Median



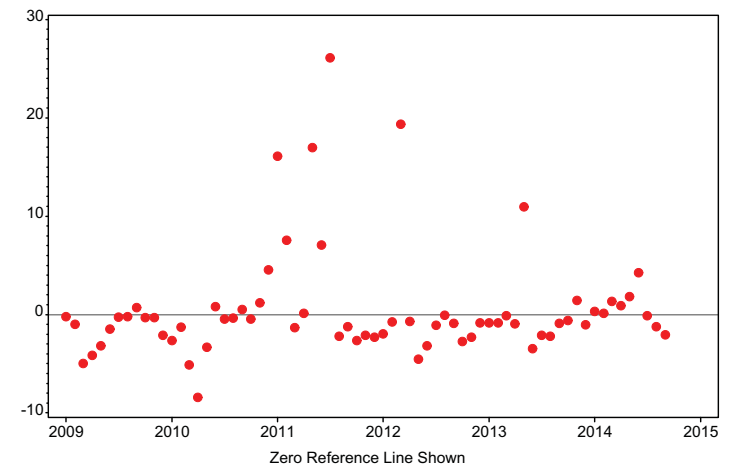
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.139	0.202	0.156	0.175

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Chlorophyll a
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.13939	0.20175	0.15644	0.175

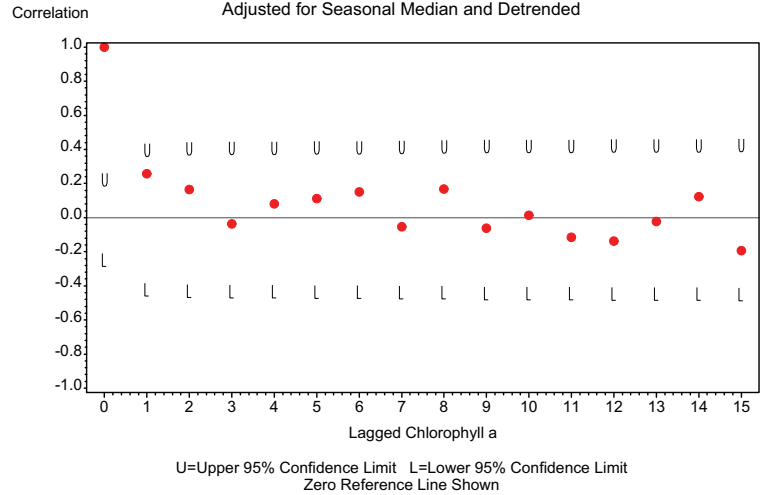
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Chlorophyll a



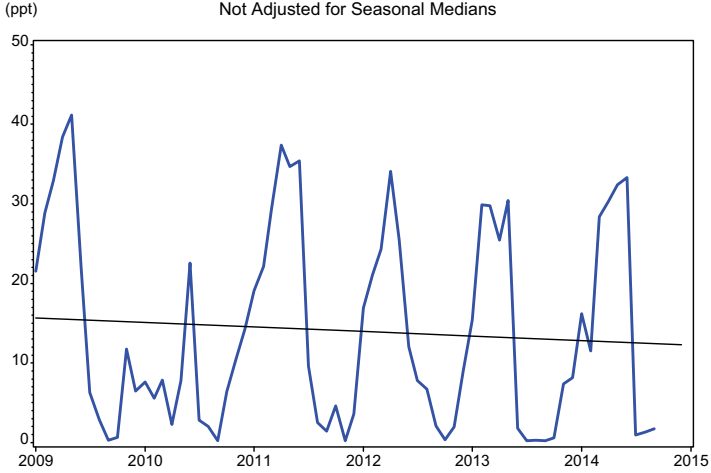
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Chlorophyll a
 Adjusted for Seasonal Median and Detrended

Lagged Chlorophyll a	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.257	0.204	0.408	-0.408
2	0.166	0.209	0.417	-0.417
3	-0.036	0.210	0.421	-0.421
4	0.081	0.210	0.421	-0.421
5	0.111	0.211	0.422	-0.422
6	0.152	0.212	0.423	-0.423
7	-0.055	0.213	0.426	-0.426
8	0.167	0.213	0.427	-0.427
9	-0.063	0.215	0.430	-0.430
10	0.013	0.215	0.431	-0.431
11	-0.114	0.215	0.431	-0.431
12	-0.138	0.216	0.433	-0.433
13	-0.022	0.218	0.435	-0.435
14	0.122	0.218	0.435	-0.435
15	-0.195	0.219	0.437	-0.437

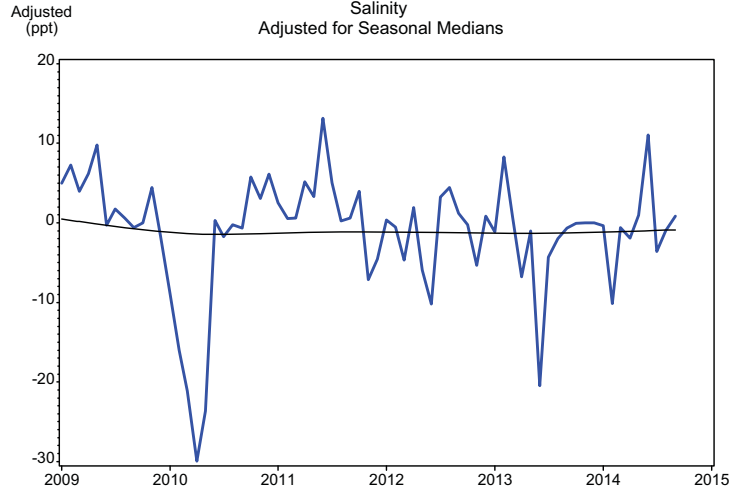
Ten Thousand Islands Trends Appendix
 Correlogram for Chlorophyll a
 Adjusted for Seasonal Median and Detrended



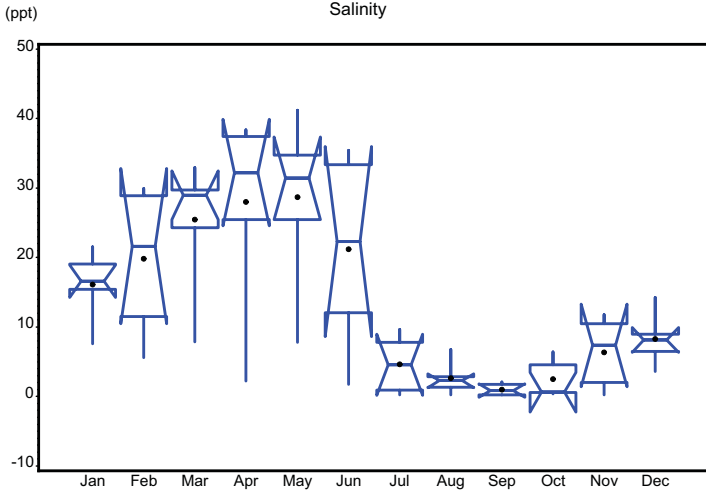
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Salinity
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Salinity
Adjusted for Seasonal Medians



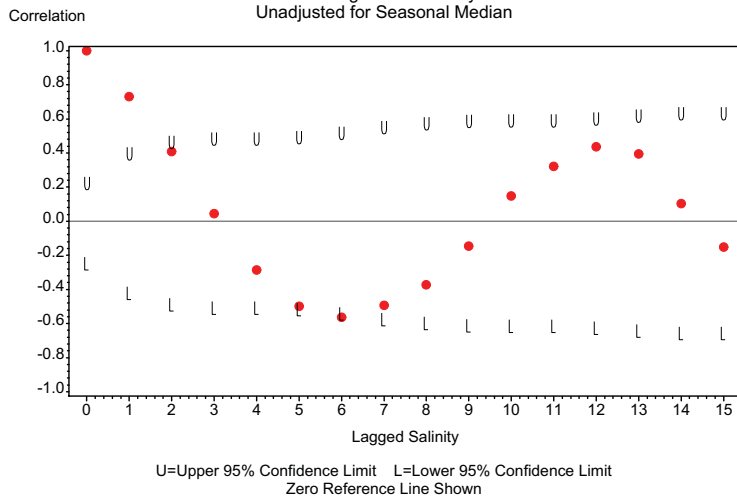
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Salinity



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Salinity
Unadjusted for Seasonal Medians

Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.731	0.204	0.408	-0.408
2	0.408	0.238	0.475	-0.475
3	0.045	0.247	0.495	-0.495
4	-0.286	0.247	0.495	-0.495
5	-0.498	0.252	0.504	-0.504
6	-0.564	0.265	0.530	-0.530
7	-0.492	0.281	0.563	-0.563
8	-0.374	0.293	0.586	-0.586
9	-0.146	0.300	0.599	-0.599
10	0.148	0.301	0.601	-0.601
11	0.321	0.302	0.603	-0.603
12	0.435	0.306	0.613	-0.613
13	0.393	0.315	0.630	-0.630
14	0.102	0.322	0.643	-0.643
15	-0.153	0.322	0.644	-0.644

Ten Thousand Islands Trends Appendix
Correlogram for Salinity
Unadjusted for Seasonal Median

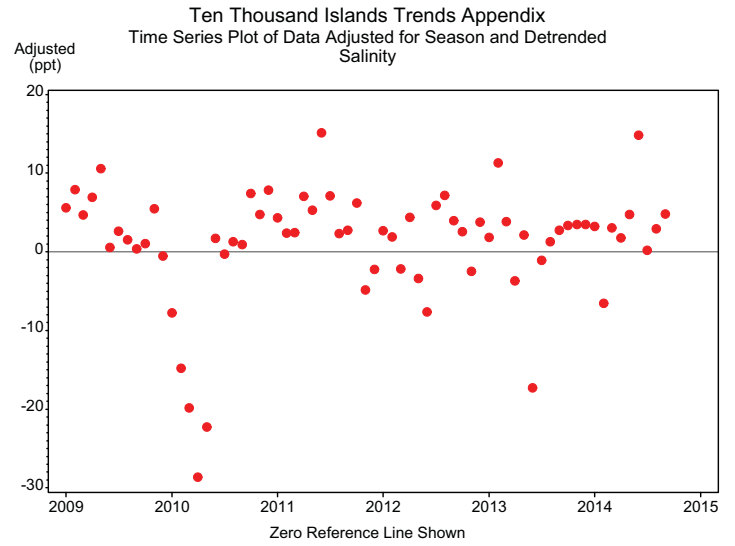


Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Salinity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17	0.121	0.319	-0.591

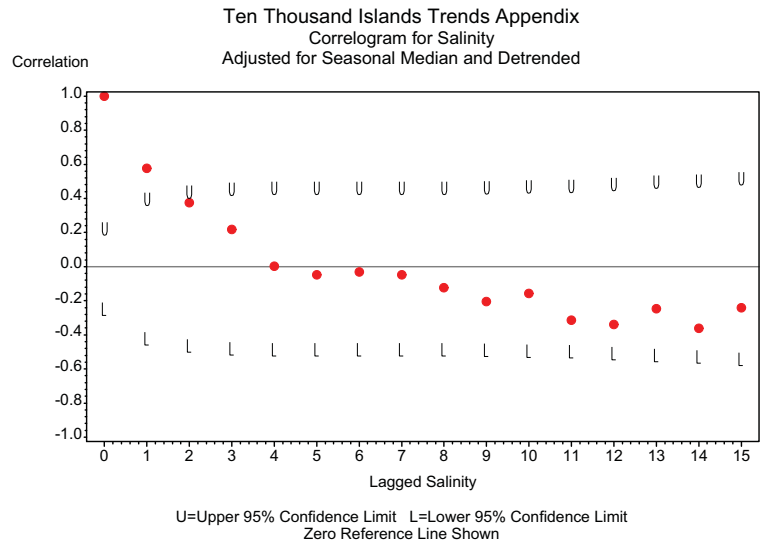
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Salinity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.16970	0.12149	0.31853	-0.591

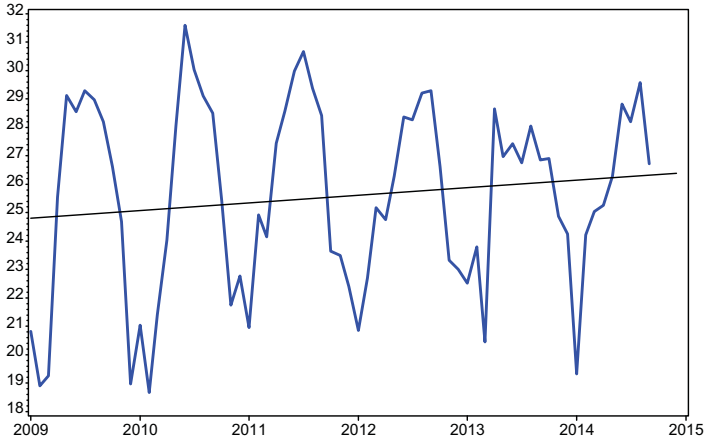


Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Salinity
 Adjusted for Seasonal Median and Detrended

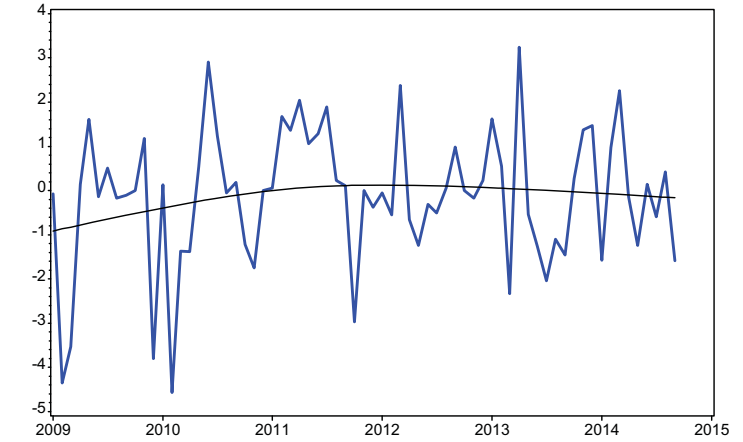
Lagged Salinity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.577	0.204	0.408	-0.408
2	0.374	0.226	0.451	-0.451
3	0.217	0.234	0.468	-0.468
4	0.003	0.237	0.474	-0.474
5	-0.047	0.237	0.474	-0.474
6	-0.032	0.237	0.474	-0.474
7	-0.048	0.237	0.474	-0.474
8	-0.124	0.237	0.474	-0.474
9	-0.205	0.238	0.476	-0.476
10	-0.157	0.241	0.481	-0.481
11	-0.314	0.242	0.484	-0.484
12	-0.338	0.248	0.495	-0.495
13	-0.247	0.254	0.508	-0.508
14	-0.362	0.257	0.514	-0.514
15	-0.240	0.264	0.528	-0.528



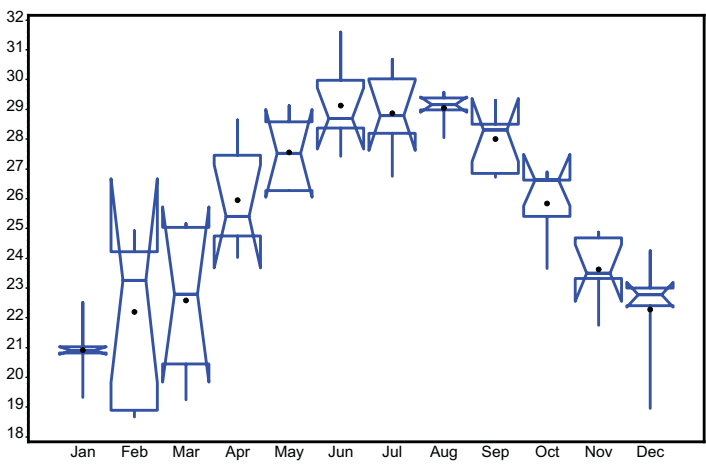
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Temperature
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Temperature
Adjusted for Seasonal Medians



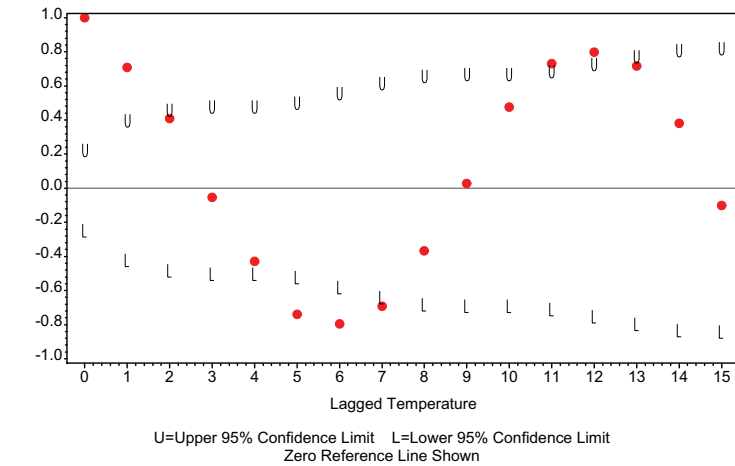
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Temperature



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Temperature
Unadjusted for Seasonal Medians

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.707	0.204	0.408	-0.408
2	0.407	0.236	0.471	-0.471
3	-0.055	0.245	0.490	-0.490
4	-0.429	0.245	0.491	-0.491
5	-0.739	0.256	0.511	-0.511
6	-0.796	0.284	0.568	-0.568
7	-0.692	0.313	0.627	-0.627
8	-0.366	0.334	0.668	-0.668
9	0.027	0.339	0.679	-0.679
10	0.476	0.339	0.679	-0.679
11	0.729	0.349	0.697	-0.697
12	0.797	0.369	0.738	-0.738
13	0.715	0.392	0.785	-0.785
14	0.381	0.410	0.820	-0.820
15	-0.101	0.415	0.830	-0.830

Ten Thousand Islands Trends Appendix
Correlogram for Temperature
Unadjusted for Seasonal Median



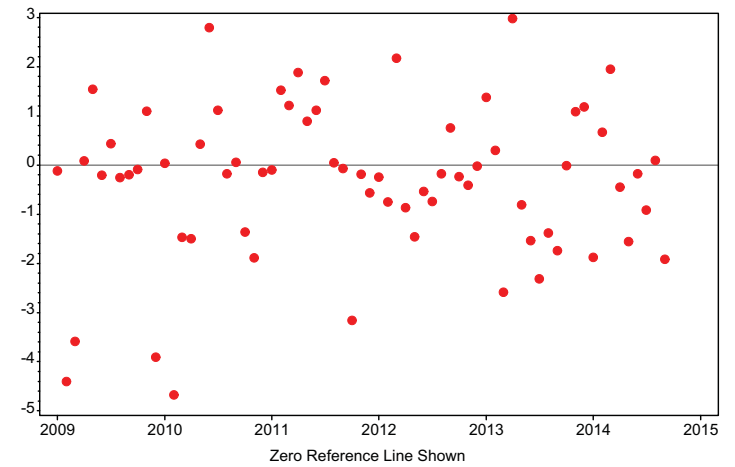
Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Temperature
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.048	0.688	0.626	0.05

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Temperature
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.048485	0.68807	0.62575	0.05

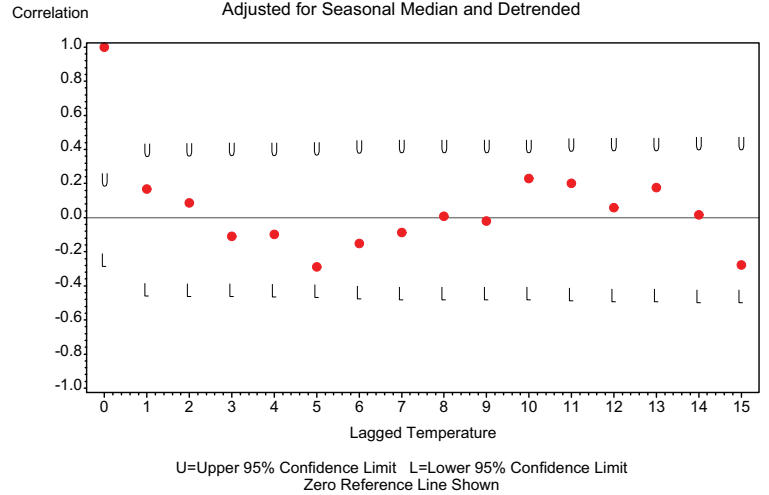
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Temperature



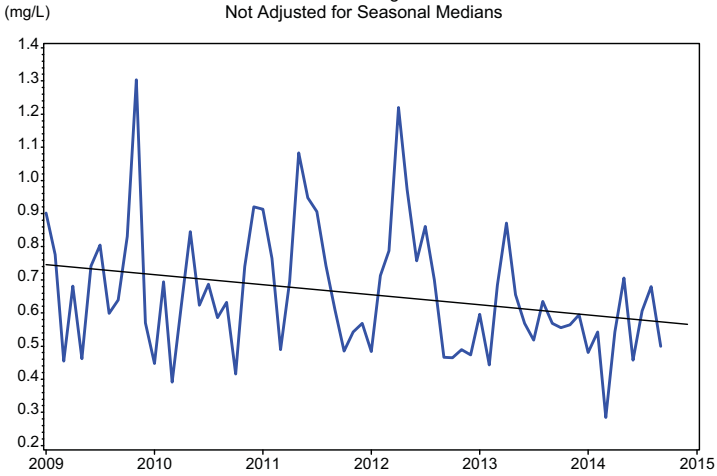
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Temperature
 Adjusted for Seasonal Median and Detrended

Lagged Temperature	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.167	0.204	0.408	-0.408
2	0.086	0.206	0.412	-0.412
3	-0.110	0.207	0.413	-0.413
4	-0.099	0.207	0.415	-0.415
5	-0.290	0.208	0.416	-0.416
6	-0.152	0.214	0.427	-0.427
7	-0.088	0.215	0.430	-0.430
8	0.008	0.215	0.431	-0.431
9	-0.020	0.215	0.431	-0.431
10	0.230	0.216	0.431	-0.431
11	0.200	0.219	0.438	-0.438
12	0.059	0.221	0.443	-0.443
13	0.177	0.222	0.443	-0.443
14	0.016	0.224	0.447	-0.447
15	-0.277	0.224	0.447	-0.447

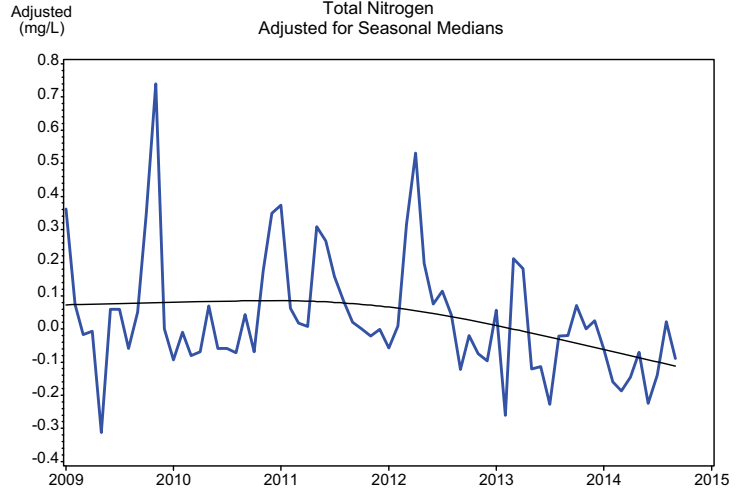
Ten Thousand Islands Trends Appendix
 Correlogram for Temperature
 Adjusted for Seasonal Median and Detrended



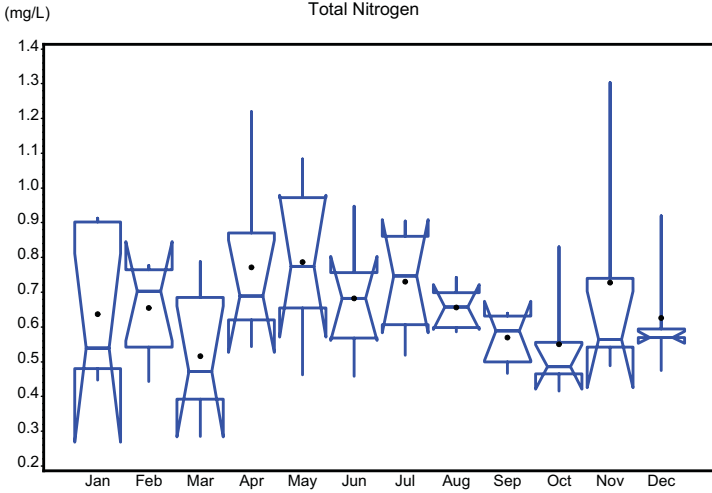
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Total Nitrogen
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Total Nitrogen
Adjusted for Seasonal Medians



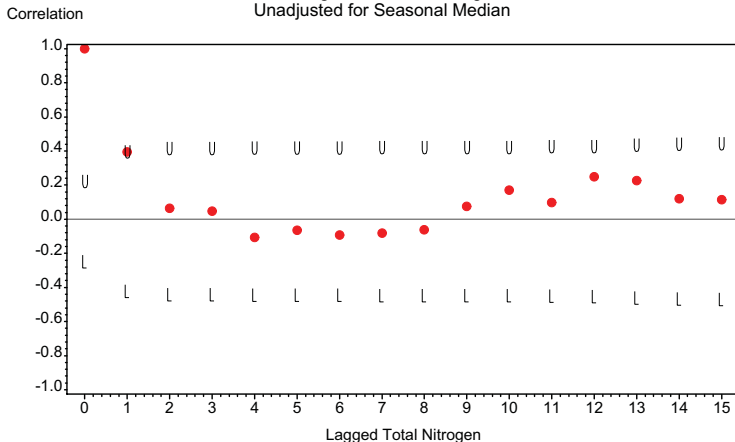
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Total Nitrogen



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Total Nitrogen
Unadjusted for Seasonal Medians

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.393	0.204	0.408	-0.408
2	0.064	0.214	0.429	-0.429
3	0.046	0.215	0.429	-0.429
4	-0.107	0.215	0.430	-0.430
5	-0.065	0.216	0.431	-0.431
6	-0.094	0.216	0.432	-0.432
7	-0.082	0.216	0.433	-0.433
8	-0.063	0.217	0.434	-0.434
9	0.075	0.217	0.434	-0.434
10	0.171	0.217	0.435	-0.435
11	0.098	0.219	0.438	-0.438
12	0.249	0.220	0.440	-0.440
13	0.226	0.224	0.447	-0.447
14	0.120	0.227	0.454	-0.454
15	0.114	0.228	0.456	-0.456

Ten Thousand Islands Trends Appendix
Correlogram for Total Nitrogen
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

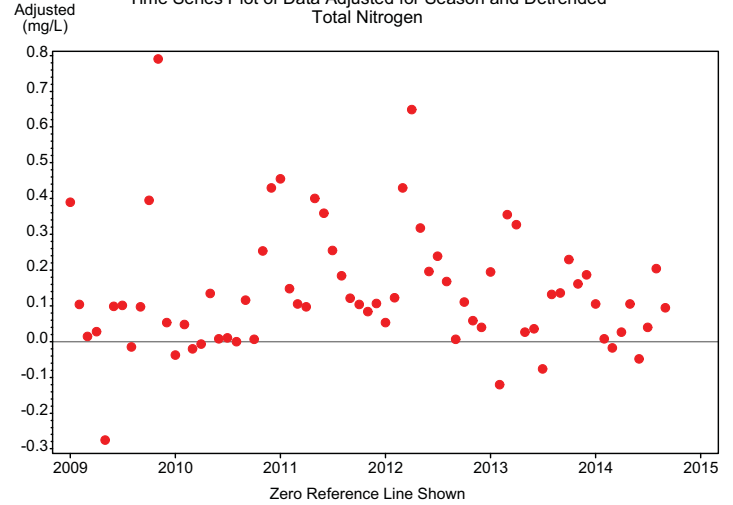
Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Total Nitrogen
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.224	0.039	0.193	-0.028

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.22424	0.039270	0.19306	-0.0276

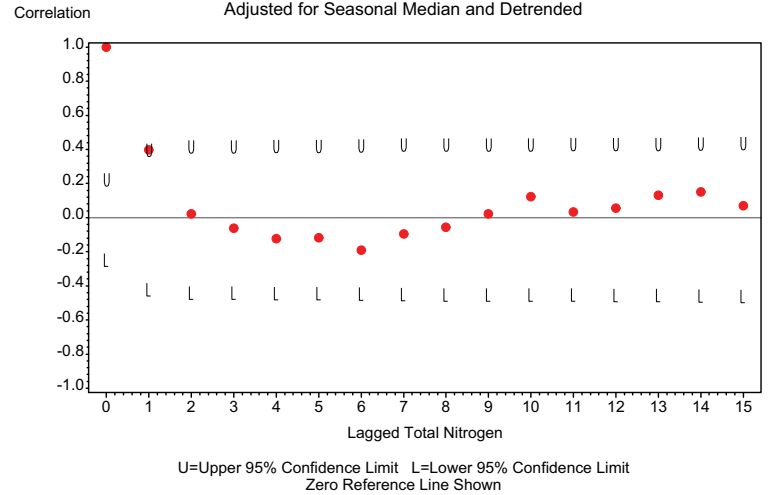
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Nitrogen



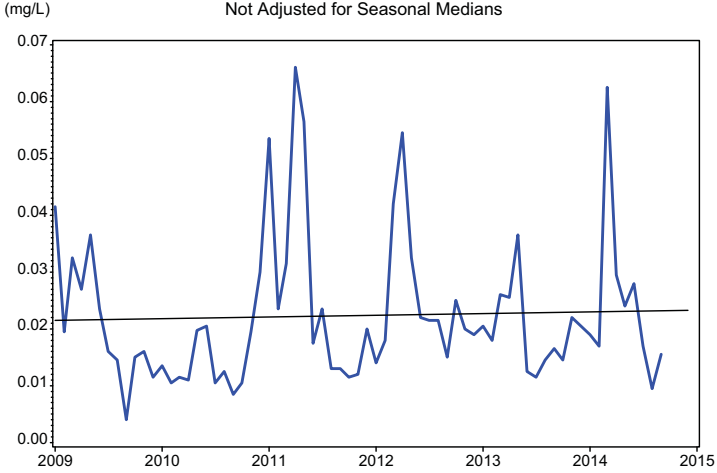
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.396	0.204	0.408	-0.408
2	0.021	0.215	0.429	-0.429
3	-0.062	0.215	0.429	-0.429
4	-0.123	0.215	0.430	-0.430
5	-0.117	0.216	0.432	-0.432
6	-0.190	0.217	0.433	-0.433
7	-0.096	0.219	0.438	-0.438
8	-0.057	0.220	0.439	-0.439
9	0.023	0.220	0.439	-0.439
10	0.123	0.220	0.440	-0.440
11	0.032	0.221	0.441	-0.441
12	0.056	0.221	0.442	-0.442
13	0.130	0.221	0.442	-0.442
14	0.152	0.222	0.444	-0.444
15	0.069	0.224	0.447	-0.447

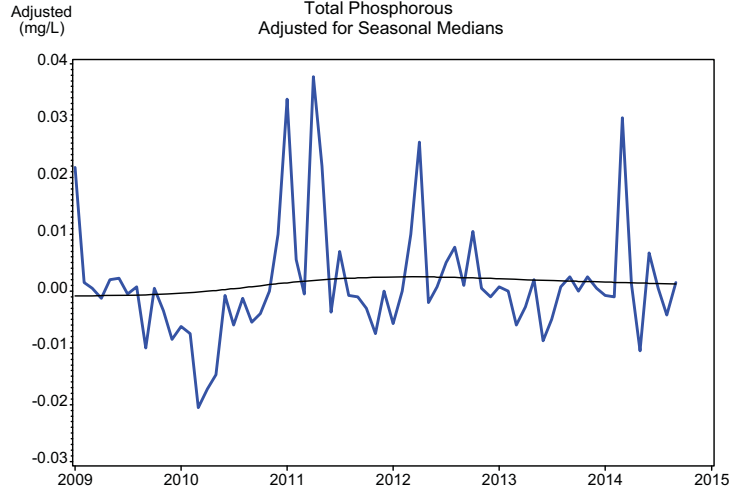
Ten Thousand Islands Trends Appendix
 Correlogram for Total Nitrogen
 Adjusted for Seasonal Median and Detrended



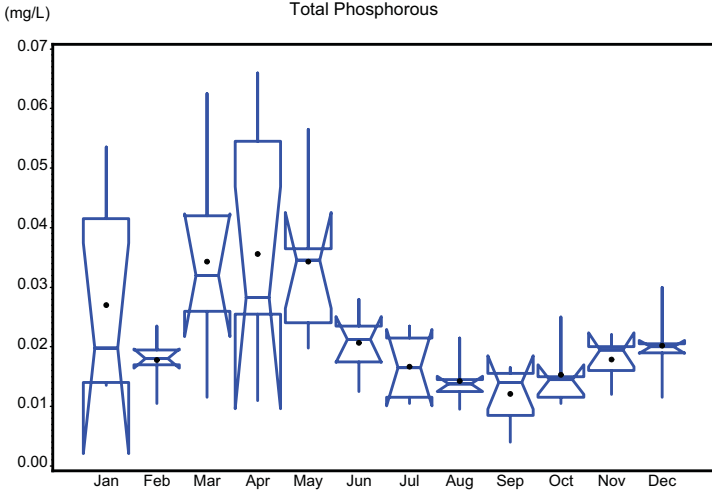
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Total Phosphorous
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Total Phosphorous
 Adjusted for Seasonal Medians



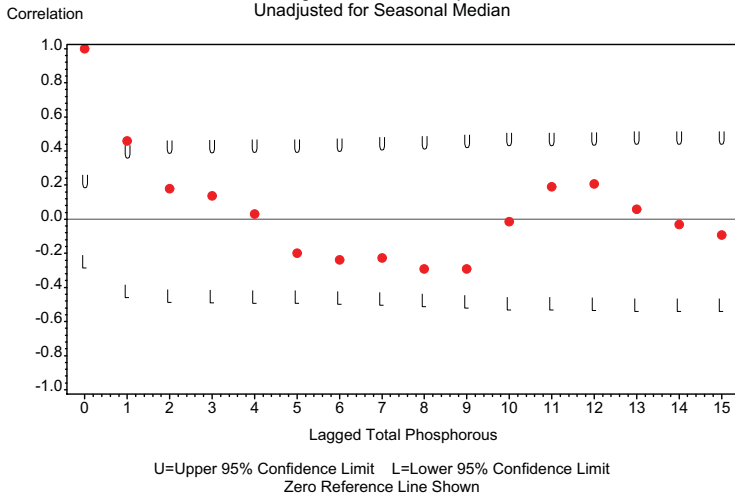
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Total Phosphorous



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Unadjusted for Seasonal Medians

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.460	0.204	0.408	-0.408
2	0.179	0.218	0.436	-0.436
3	0.138	0.220	0.440	-0.440
4	0.029	0.221	0.443	-0.443
5	-0.199	0.221	0.443	-0.443
6	-0.238	0.224	0.448	-0.448
7	-0.226	0.227	0.455	-0.455
8	-0.291	0.230	0.461	-0.461
9	-0.292	0.235	0.471	-0.471
10	-0.015	0.240	0.481	-0.481
11	0.189	0.240	0.481	-0.481
12	0.207	0.242	0.485	-0.485
13	0.058	0.245	0.490	-0.490
14	-0.032	0.245	0.490	-0.490
15	-0.093	0.245	0.490	-0.490

Ten Thousand Islands Trends Appendix
 Correlogram for Total Phosphorous
 Unadjusted for Seasonal Median



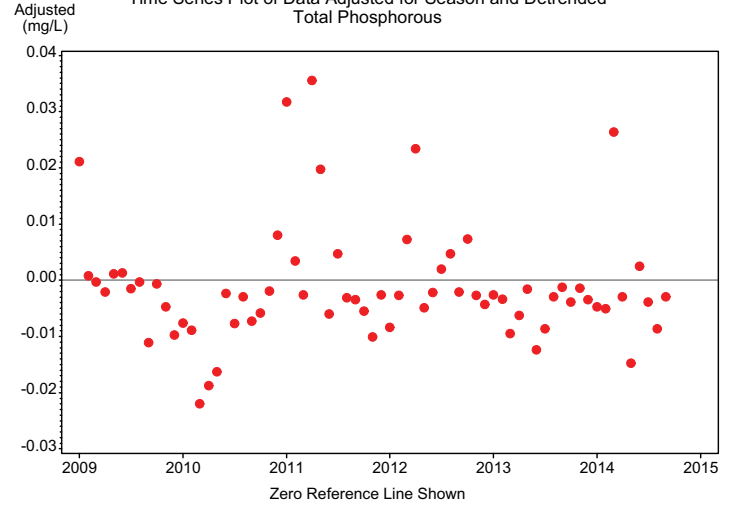
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.109	0.325	0.488	.001

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Phosphorous
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.10909	0.32635	0.50204	.000666667

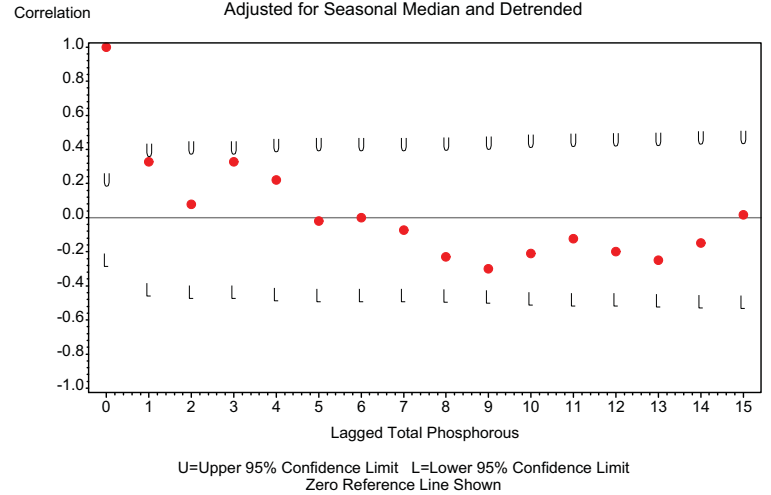
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Phosphorous



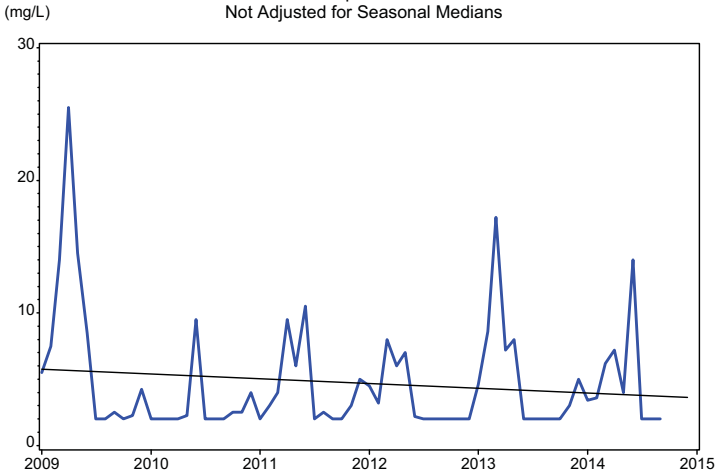
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Phosphorous
 Adjusted for Seasonal Median and Detrended

Lagged Total Phosphorous	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.326	0.204	0.408	-0.408
2	0.077	0.211	0.422	-0.422
3	0.326	0.212	0.423	-0.423
4	0.220	0.218	0.437	-0.437
5	-0.019	0.222	0.443	-0.443
6	-0.001	0.222	0.443	-0.443
7	-0.073	0.222	0.443	-0.443
8	-0.230	0.222	0.444	-0.444
9	-0.301	0.225	0.450	-0.450
10	-0.211	0.231	0.461	-0.461
11	-0.123	0.233	0.467	-0.467
12	-0.198	0.234	0.469	-0.469
13	-0.251	0.237	0.473	-0.473
14	-0.150	0.240	0.480	-0.480
15	0.017	0.242	0.483	-0.483

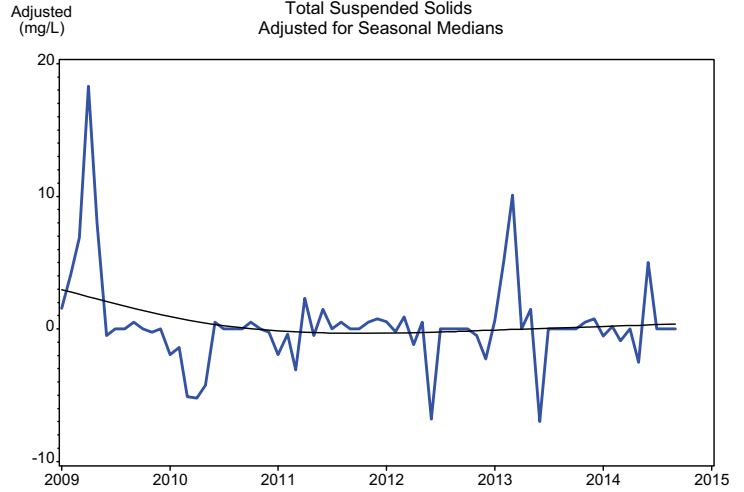
Ten Thousand Islands Trends Appendix
 Correlogram for Total Phosphorous
 Adjusted for Seasonal Median and Detrended



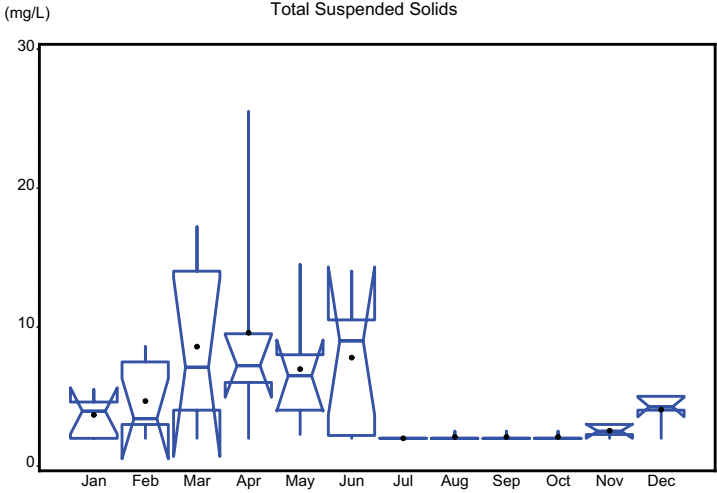
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Total Suspended Solids
 Adjusted for Seasonal Medians



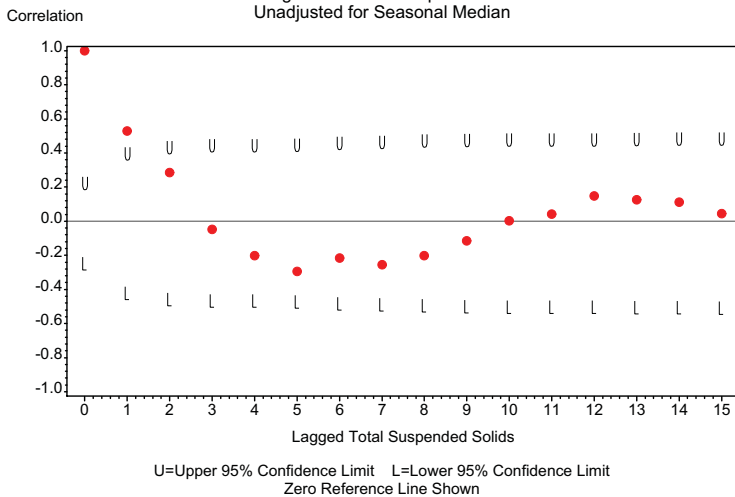
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Total Suspended Solids



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Unadjusted for Seasonal Medians

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.529	0.204	0.408	-0.408
2	0.286	0.222	0.445	-0.445
3	-0.048	0.227	0.455	-0.455
4	-0.203	0.228	0.455	-0.455
5	-0.294	0.230	0.460	-0.460
6	-0.217	0.235	0.470	-0.470
7	-0.254	0.238	0.476	-0.476
8	-0.203	0.242	0.483	-0.483
9	-0.114	0.244	0.488	-0.488
10	0.002	0.245	0.490	-0.490
11	0.041	0.245	0.490	-0.490
12	0.148	0.245	0.490	-0.490
13	0.126	0.246	0.492	-0.492
14	0.111	0.247	0.494	-0.494
15	0.043	0.248	0.495	-0.495

Ten Thousand Islands Trends Appendix
 Correlogram for Total Suspended Solids
 Unadjusted for Seasonal Median



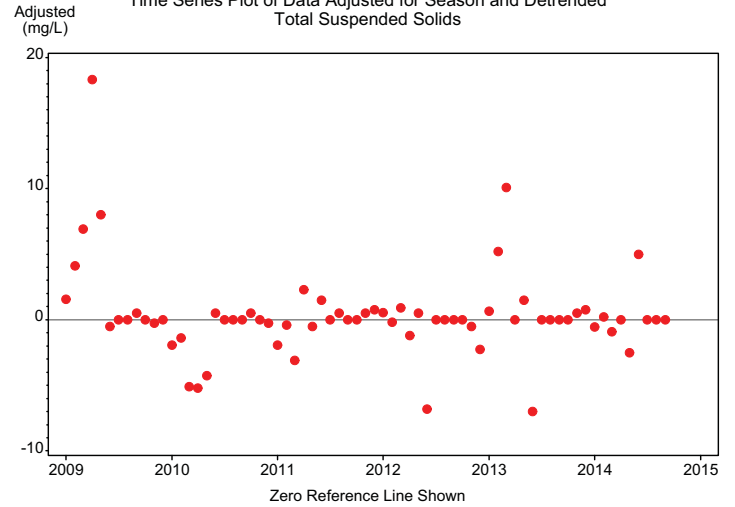
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012	0.948	0.966	0

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Suspended Solids
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.012121	0.94750	0.96643	0

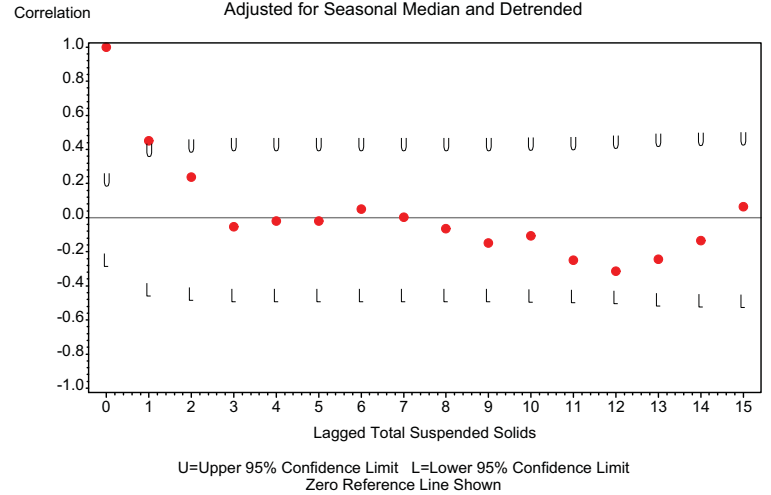
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Suspended Solids



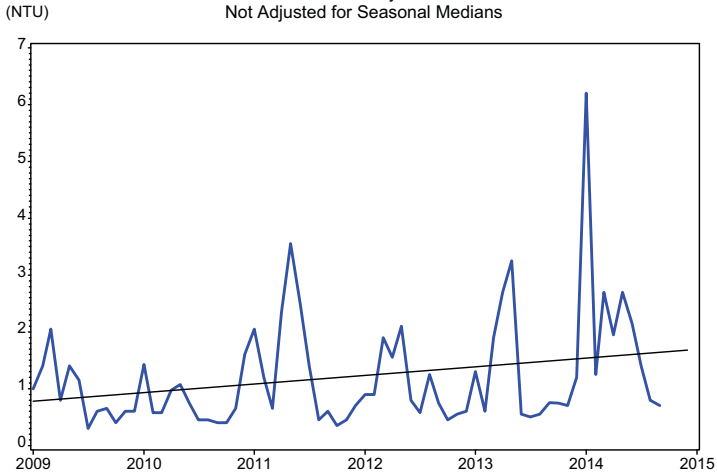
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended

Lagged Total Suspended Solids	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.451	0.204	0.408	-0.408
2	0.237	0.218	0.435	-0.435
3	-0.054	0.221	0.442	-0.442
4	-0.020	0.221	0.443	-0.443
5	-0.020	0.221	0.443	-0.443
6	0.049	0.221	0.443	-0.443
7	0.003	0.221	0.443	-0.443
8	-0.064	0.221	0.443	-0.443
9	-0.150	0.222	0.443	-0.443
10	-0.107	0.223	0.446	-0.446
11	-0.251	0.224	0.448	-0.448
12	-0.313	0.228	0.455	-0.455
13	-0.245	0.234	0.467	-0.467
14	-0.134	0.237	0.474	-0.474
15	0.063	0.238	0.476	-0.476

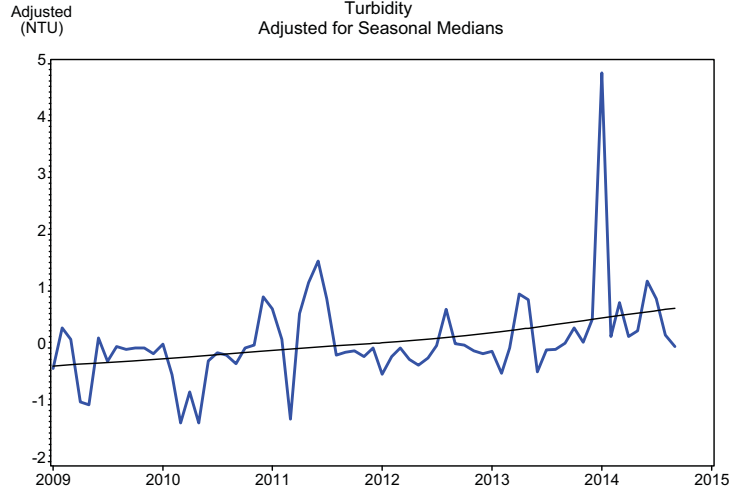
Ten Thousand Islands Trends Appendix
 Correlogram for Total Suspended Solids
 Adjusted for Seasonal Median and Detrended



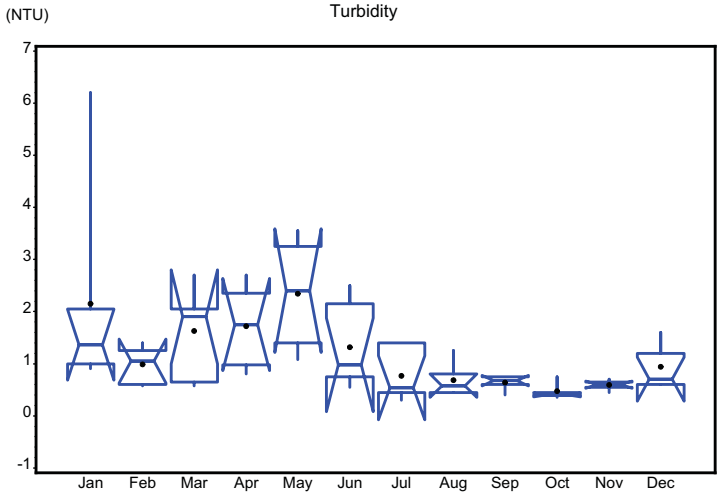
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Turbidity
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Turbidity
Adjusted for Seasonal Medians



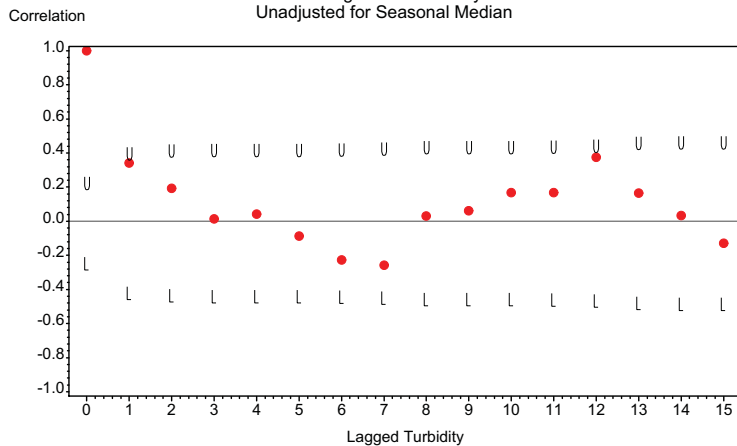
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Turbidity



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Turbidity
Unadjusted for Seasonal Medians

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.342	0.204	0.408	-0.408
2	0.194	0.212	0.424	-0.424
3	0.013	0.214	0.429	-0.429
4	0.041	0.214	0.429	-0.429
5	-0.086	0.215	0.429	-0.429
6	-0.228	0.215	0.430	-0.430
7	-0.258	0.218	0.437	-0.437
8	0.031	0.223	0.445	-0.445
9	0.062	0.223	0.445	-0.445
10	0.167	0.223	0.446	-0.446
11	0.168	0.225	0.449	-0.449
12	0.374	0.226	0.453	-0.453
13	0.165	0.235	0.469	-0.469
14	0.034	0.236	0.473	-0.473
15	-0.129	0.236	0.473	-0.473

Ten Thousand Islands Trends Appendix
Correlogram for Turbidity
Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

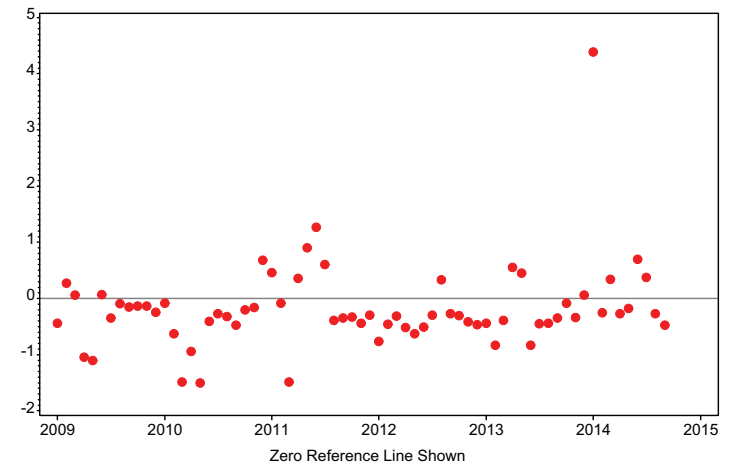
Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Turbidity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.303	.005	0.057	0.075

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Turbidity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.30303	.00466883	0.056978	0.075

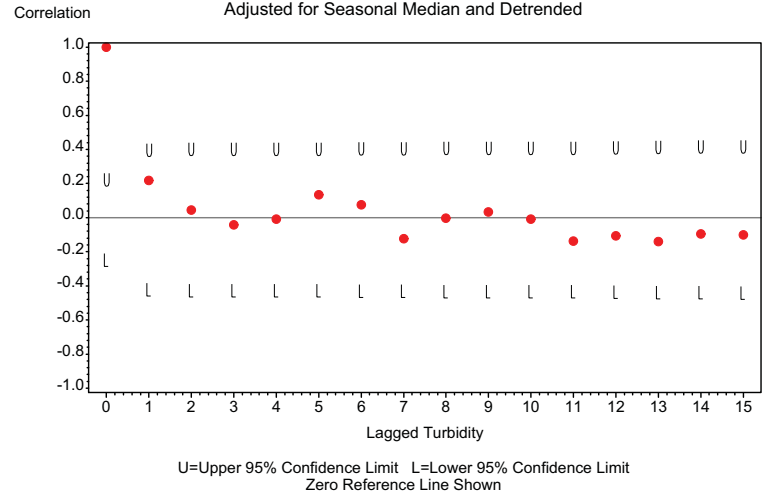
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Turbidity



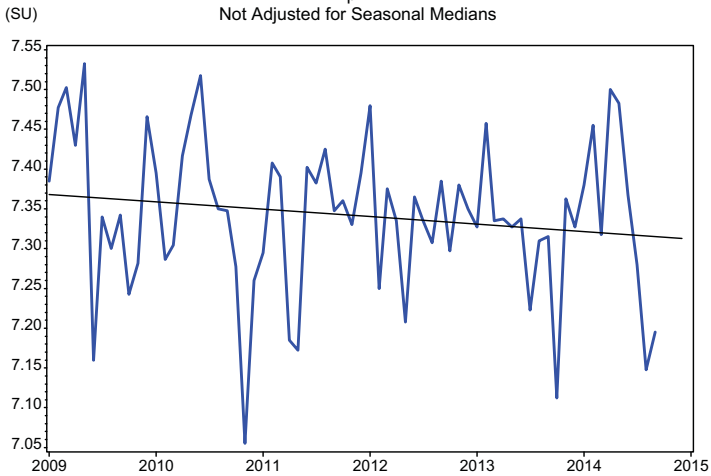
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Turbidity
 Adjusted for Seasonal Median and Detrended

Lagged Turbidity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.217	0.204	0.408	-0.408
2	0.045	0.207	0.415	-0.415
3	-0.043	0.207	0.415	-0.415
4	-0.009	0.208	0.415	-0.415
5	0.135	0.208	0.415	-0.415
6	0.076	0.209	0.418	-0.418
7	-0.125	0.209	0.418	-0.418
8	-0.003	0.210	0.420	-0.420
9	0.034	0.210	0.420	-0.420
10	-0.008	0.210	0.421	-0.421
11	-0.138	0.210	0.421	-0.421
12	-0.107	0.212	0.423	-0.423
13	-0.141	0.212	0.425	-0.425
14	-0.097	0.214	0.427	-0.427
15	-0.102	0.214	0.428	-0.428

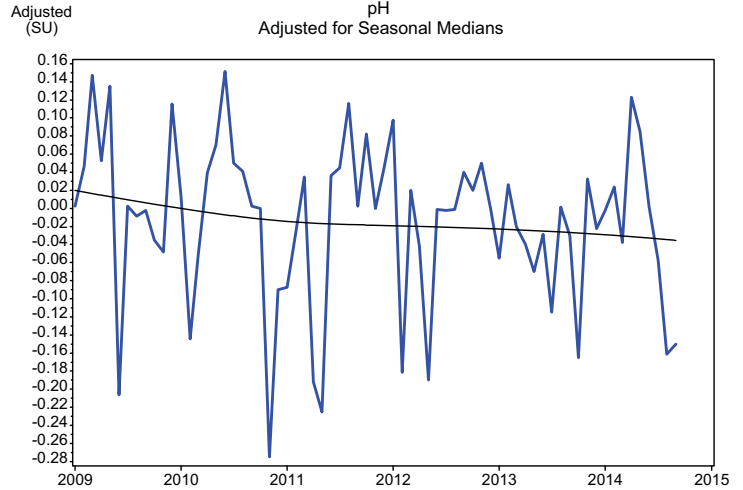
Ten Thousand Islands Trends Appendix
 Correlogram for Turbidity
 Adjusted for Seasonal Median and Detrended



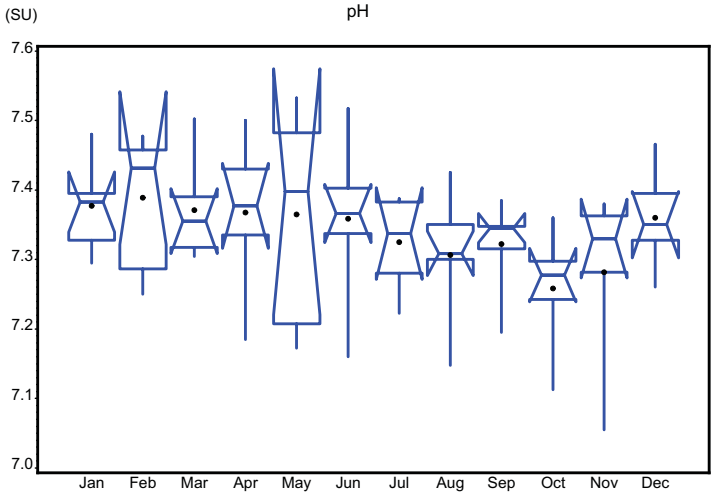
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
pH
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
pH
Adjusted for Seasonal Medians



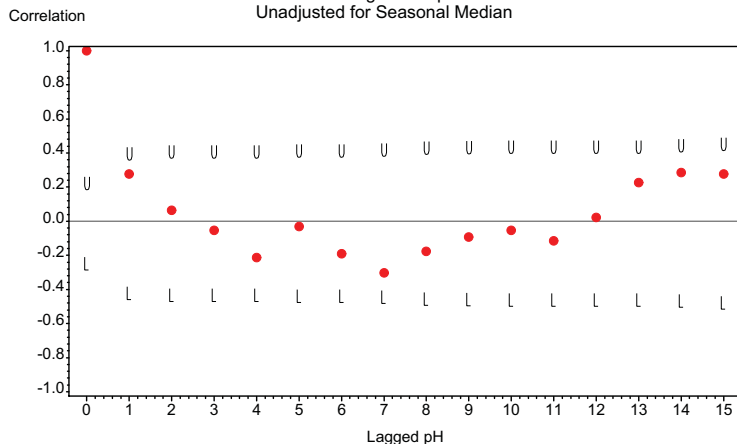
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
pH



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for pH
Unadjusted for Seasonal Medians

Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.277	0.204	0.408	-0.408
2	0.064	0.209	0.419	-0.419
3	-0.054	0.210	0.419	-0.419
4	-0.212	0.210	0.419	-0.419
5	-0.032	0.213	0.425	-0.425
6	-0.192	0.213	0.426	-0.426
7	-0.303	0.215	0.430	-0.430
8	-0.178	0.221	0.442	-0.442
9	-0.093	0.223	0.446	-0.446
10	-0.055	0.224	0.447	-0.447
11	-0.116	0.224	0.447	-0.447
12	0.022	0.225	0.449	-0.449
13	0.225	0.225	0.449	-0.449
14	0.286	0.228	0.455	-0.455
15	0.277	0.233	0.465	-0.465

Ten Thousand Islands Trends Appendix
Correlogram for pH
Unadjusted for Seasonal Median



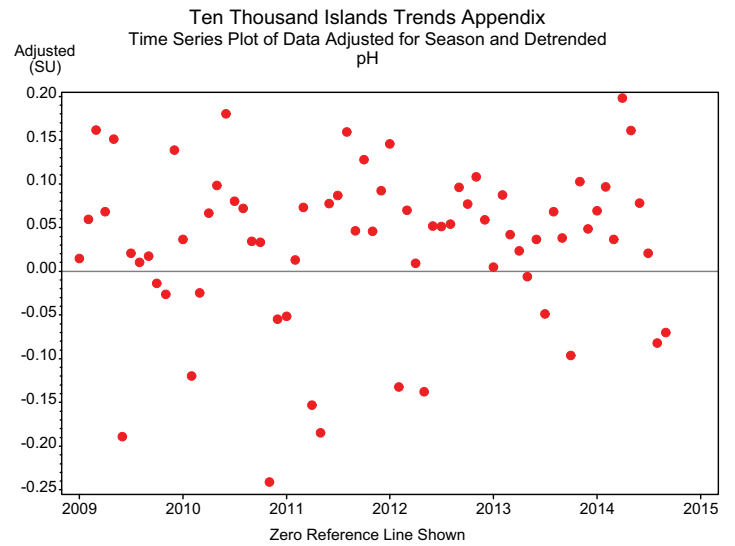
U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
Zero Reference Line Shown

Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
pH
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.145	0.187	0.111	-0.012

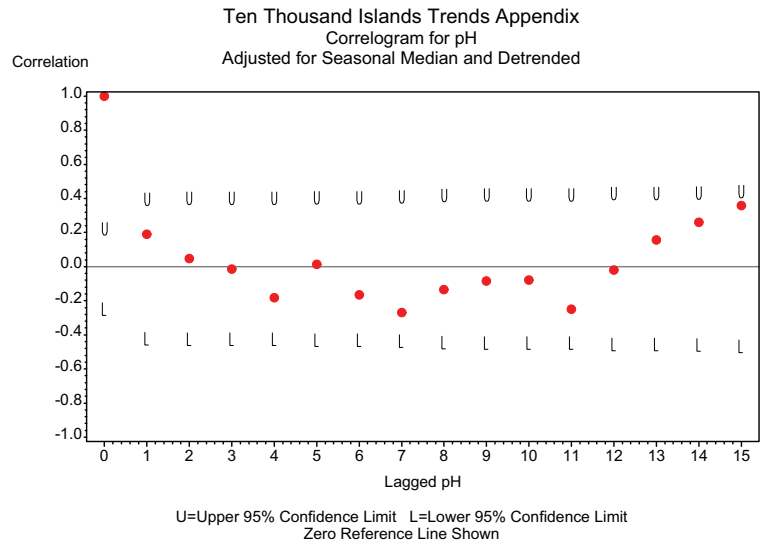
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 pH
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.14546	0.18712	0.11134	-0.012

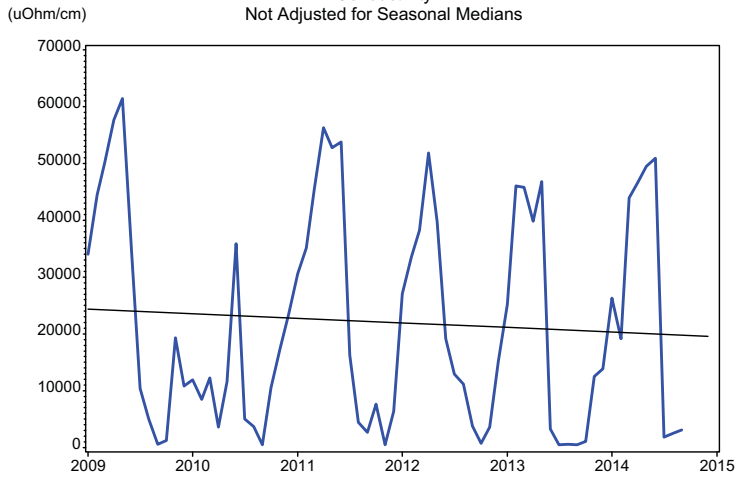


Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for pH
 Adjusted for Seasonal Median and Detrended

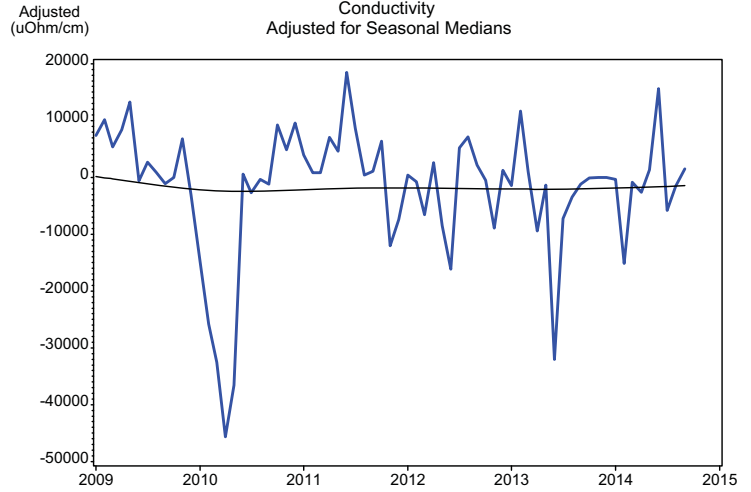
Lagged pH	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.190	0.204	0.408	-0.408
2	0.046	0.207	0.413	-0.413
3	-0.015	0.207	0.413	-0.413
4	-0.182	0.207	0.413	-0.413
5	0.014	0.209	0.418	-0.418
6	-0.167	0.209	0.418	-0.418
7	-0.269	0.211	0.422	-0.422
8	-0.134	0.216	0.431	-0.431
9	-0.084	0.217	0.433	-0.433
10	-0.079	0.217	0.434	-0.434
11	-0.251	0.218	0.435	-0.435
12	-0.020	0.222	0.443	-0.443
13	0.155	0.222	0.443	-0.443
14	0.260	0.223	0.446	-0.446
15	0.359	0.227	0.454	-0.454



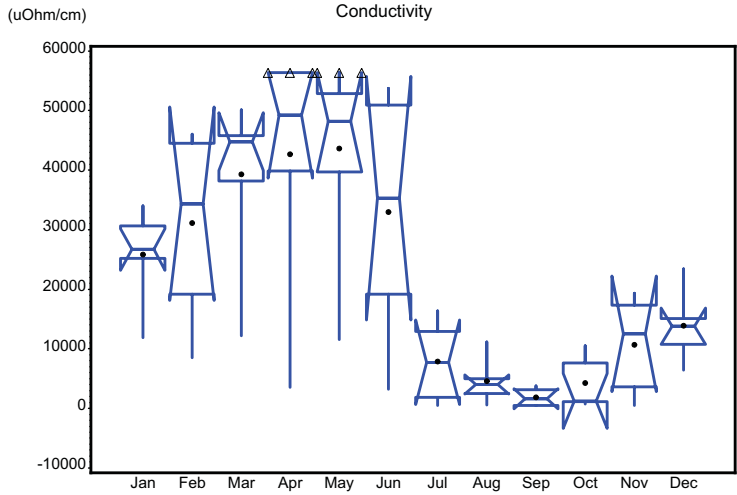
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Conductivity
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Conductivity
Adjusted for Seasonal Medians



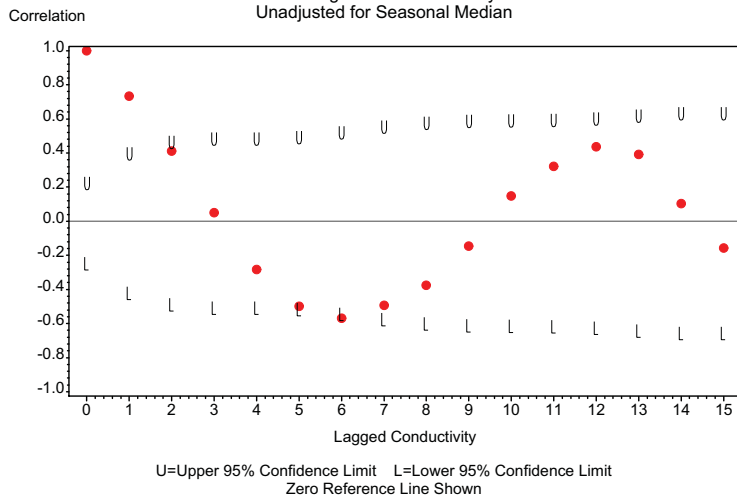
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Conductivity



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Conductivity
Unadjusted for Seasonal Medians

Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.733	0.204	0.408	-0.408
2	0.411	0.238	0.476	-0.476
3	0.049	0.248	0.495	-0.495
4	-0.282	0.248	0.495	-0.495
5	-0.498	0.252	0.504	-0.504
6	-0.568	0.265	0.531	-0.531
7	-0.493	0.282	0.564	-0.564
8	-0.376	0.293	0.587	-0.587
9	-0.145	0.300	0.600	-0.600
10	0.147	0.301	0.602	-0.602
11	0.322	0.302	0.604	-0.604
12	0.437	0.307	0.614	-0.614
13	0.391	0.315	0.631	-0.631
14	0.103	0.322	0.644	-0.644
15	-0.156	0.322	0.645	-0.645

Ten Thousand Islands Trends Appendix
Correlogram for Conductivity
Unadjusted for Seasonal Median

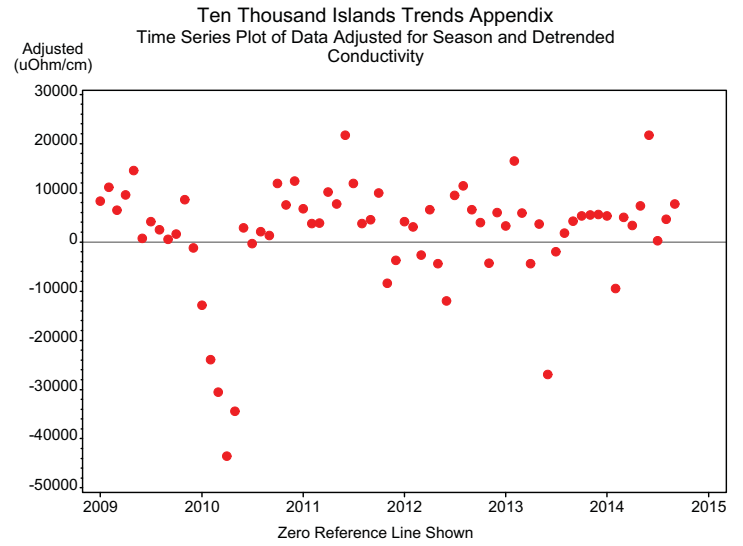


Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Conductivity
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.176	0.109	0.301	-944.417

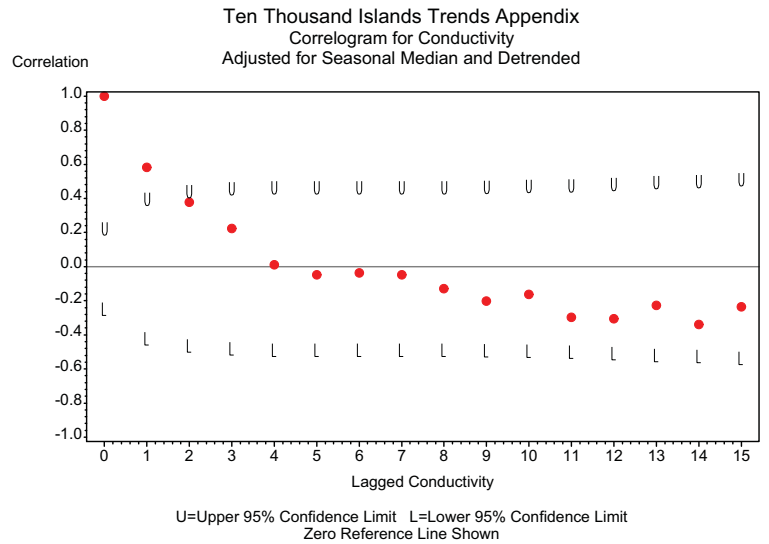
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Conductivity
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.17576	0.10887	0.30148	-944.417

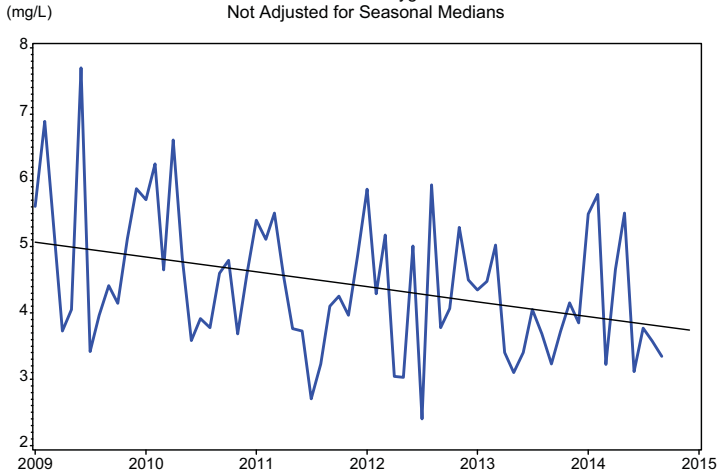


Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Conductivity
 Adjusted for Seasonal Median and Detrended

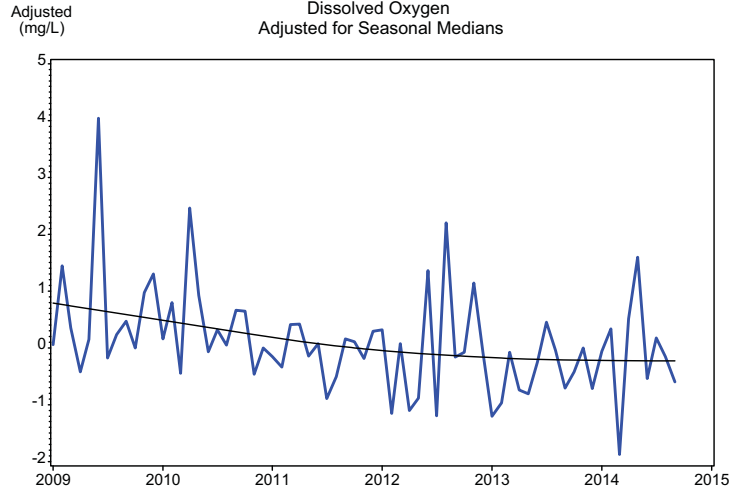
Lagged Conductivity	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.583	0.204	0.408	-0.408
2	0.377	0.226	0.452	-0.452
3	0.223	0.235	0.469	-0.469
4	0.010	0.238	0.475	-0.475
5	-0.048	0.238	0.475	-0.475
6	-0.038	0.238	0.475	-0.475
7	-0.049	0.238	0.476	-0.476
8	-0.128	0.238	0.476	-0.476
9	-0.203	0.239	0.478	-0.478
10	-0.162	0.241	0.483	-0.483
11	-0.297	0.243	0.486	-0.486
12	-0.305	0.248	0.496	-0.496
13	-0.227	0.253	0.506	-0.506
14	-0.340	0.256	0.512	-0.512
15	-0.236	0.262	0.524	-0.524



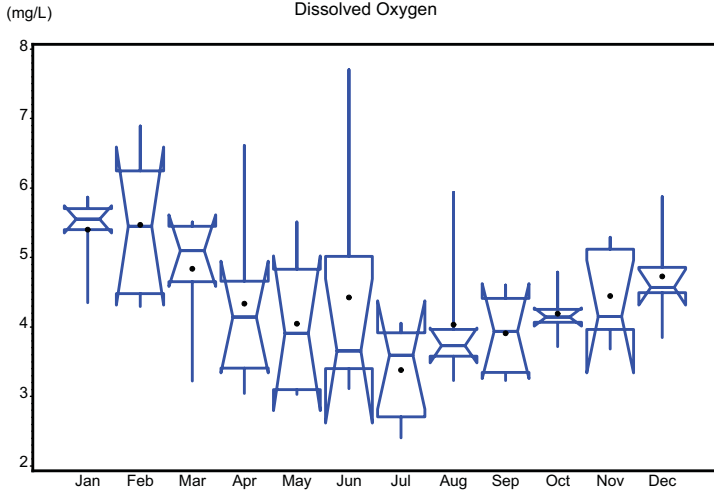
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Dissolved Oxygen
 Adjusted for Seasonal Medians



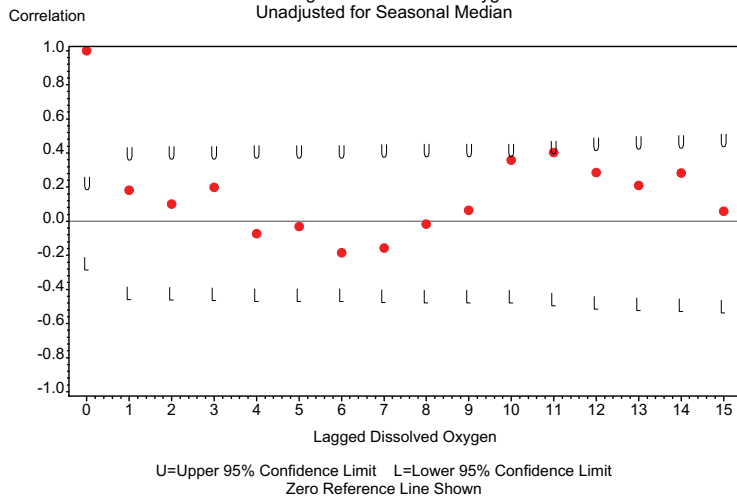
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Dissolved Oxygen



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Unadjusted for Seasonal Medians

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.181	0.204	0.408	-0.408
2	0.100	0.206	0.413	-0.413
3	0.198	0.207	0.414	-0.414
4	-0.074	0.210	0.419	-0.419
5	-0.030	0.210	0.420	-0.420
6	-0.186	0.210	0.420	-0.420
7	-0.158	0.212	0.425	-0.425
8	-0.018	0.214	0.428	-0.428
9	0.064	0.214	0.428	-0.428
10	0.357	0.214	0.429	-0.429
11	0.403	0.222	0.445	-0.445
12	0.284	0.232	0.465	-0.465
13	0.209	0.237	0.474	-0.474
14	0.281	0.240	0.479	-0.479
15	0.058	0.244	0.488	-0.488

Ten Thousand Islands Trends Appendix
 Correlogram for Dissolved Oxygen
 Unadjusted for Seasonal Median



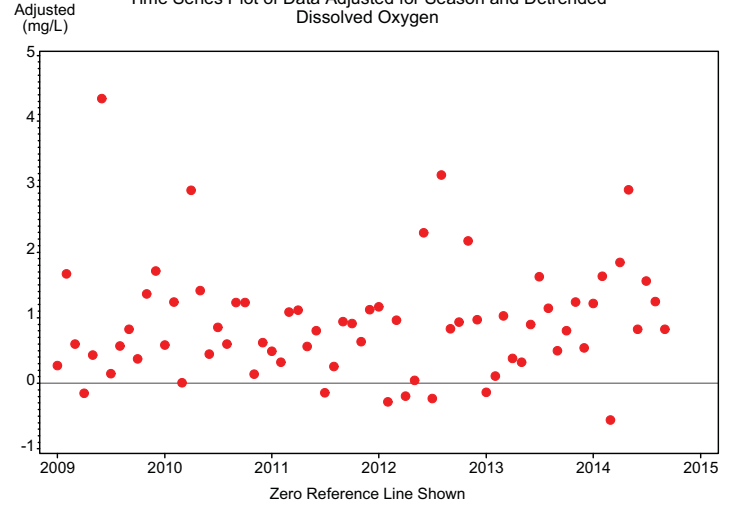
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.333	.002	0.046	-0.213

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Dissolved Oxygen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.33333	.00198782	0.045501	-0.213

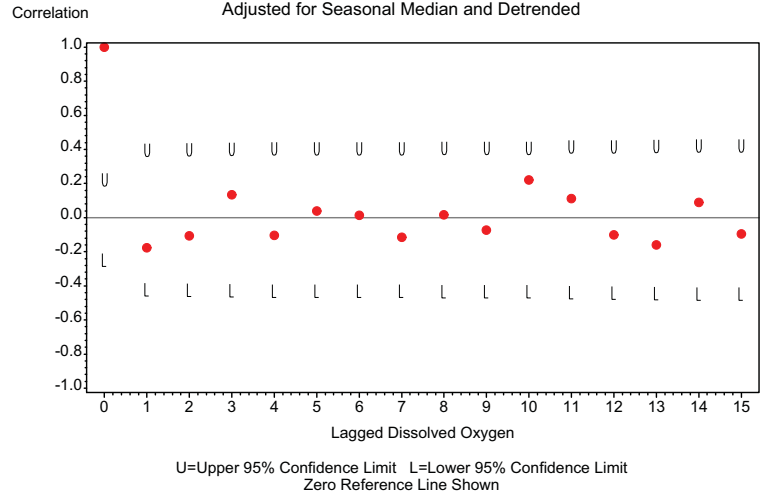
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Dissolved Oxygen



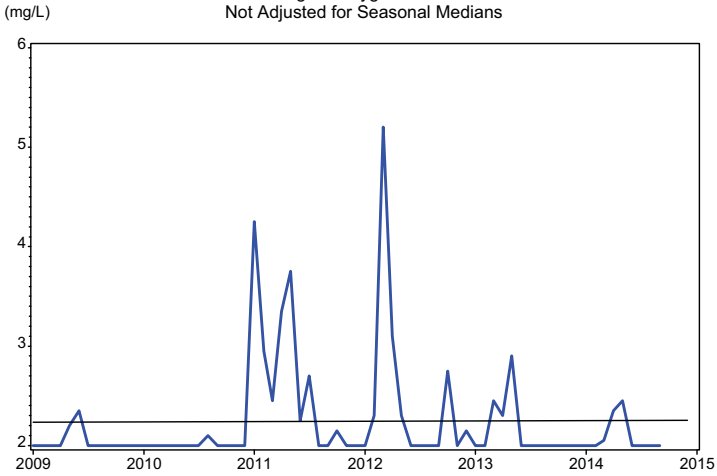
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended

Lagged Dissolved Oxygen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	-0.177	0.204	0.408	-0.408
2	-0.107	0.206	0.412	-0.412
3	0.135	0.207	0.414	-0.414
4	-0.104	0.208	0.416	-0.416
5	0.039	0.209	0.418	-0.418
6	0.013	0.209	0.418	-0.418
7	-0.116	0.209	0.418	-0.418
8	0.016	0.210	0.420	-0.420
9	-0.072	0.210	0.420	-0.420
10	0.221	0.210	0.421	-0.421
11	0.111	0.214	0.427	-0.427
12	-0.100	0.214	0.429	-0.429
13	-0.159	0.215	0.430	-0.430
14	0.088	0.217	0.433	-0.433
15	-0.096	0.217	0.434	-0.434

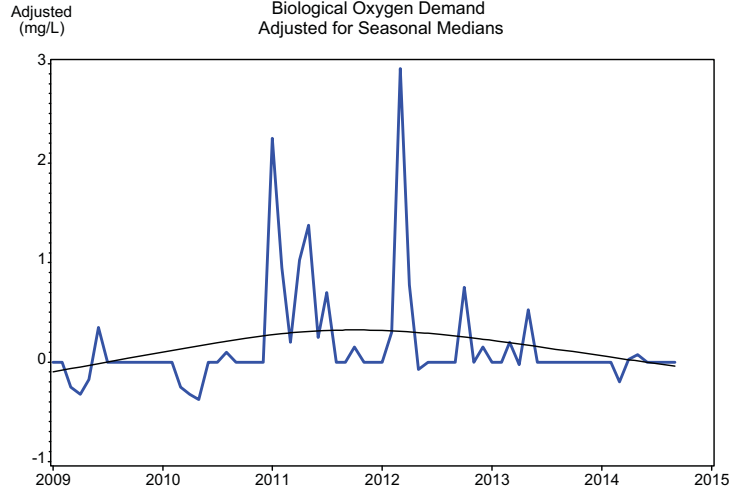
Ten Thousand Islands Trends Appendix
 Correlogram for Dissolved Oxygen
 Adjusted for Seasonal Median and Detrended



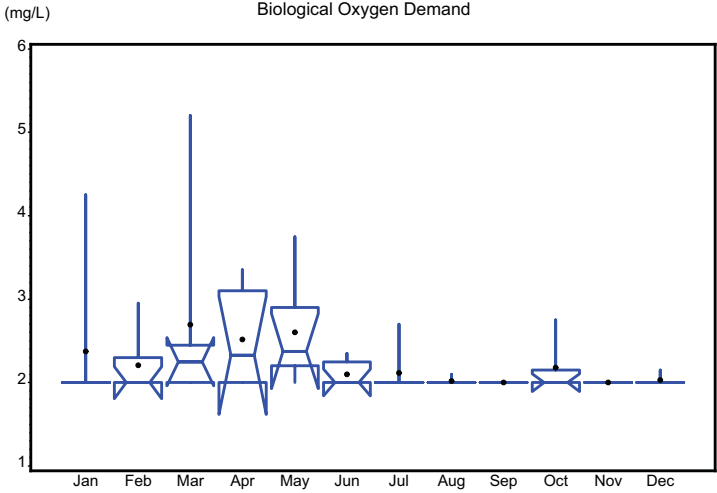
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Biological Oxygen Demand
 Adjusted for Seasonal Medians



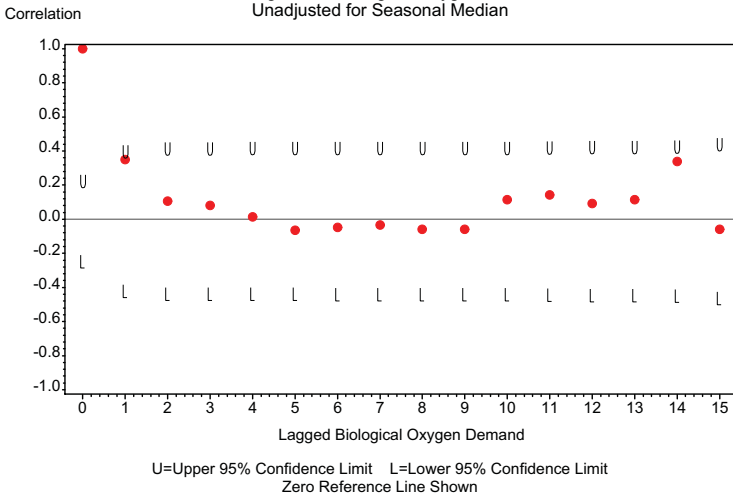
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Biological Oxygen Demand



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.350	0.204	0.408	-0.408
2	0.107	0.212	0.425	-0.425
3	0.082	0.213	0.426	-0.426
4	0.013	0.213	0.427	-0.427
5	-0.064	0.213	0.427	-0.427
6	-0.049	0.214	0.428	-0.428
7	-0.033	0.214	0.428	-0.428
8	-0.060	0.214	0.428	-0.428
9	-0.059	0.214	0.428	-0.428
10	0.113	0.214	0.429	-0.429
11	0.143	0.215	0.431	-0.431
12	0.091	0.217	0.433	-0.433
13	0.115	0.217	0.434	-0.434
14	0.337	0.218	0.436	-0.436
15	-0.060	0.225	0.450	-0.450

Ten Thousand Islands Trends Appendix
 Correlogram for Biological Oxygen Demand
 Unadjusted for Seasonal Median



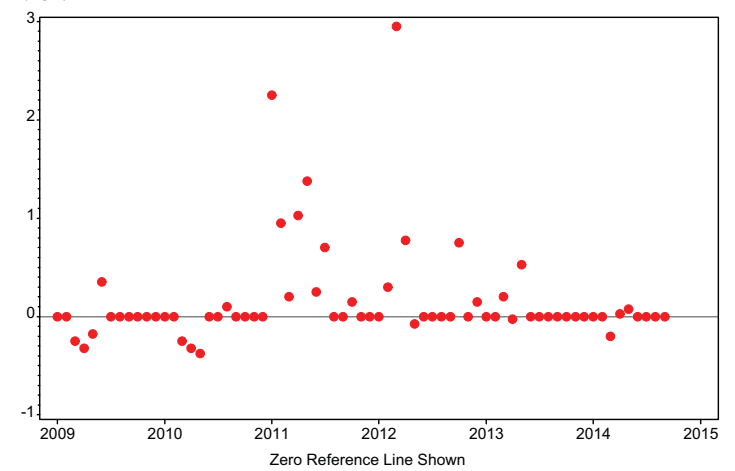
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036	0.707	0.843	0

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Biological Oxygen Demand
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036364	0.70731	0.84276	0

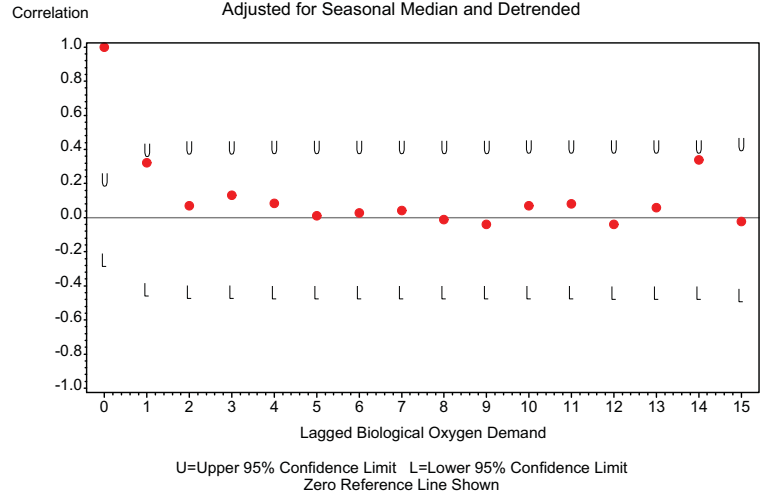
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Biological Oxygen Demand



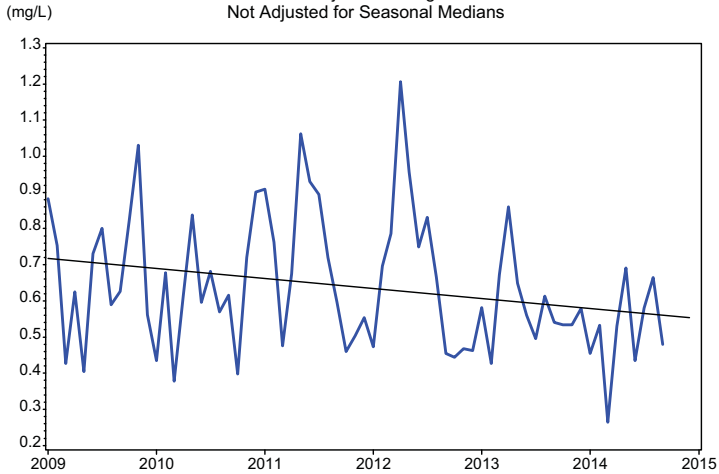
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended

Lagged Biological Oxygen Demand	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.322	0.204	0.408	-0.408
2	0.070	0.211	0.422	-0.422
3	0.132	0.211	0.423	-0.423
4	0.083	0.213	0.425	-0.425
5	0.011	0.213	0.426	-0.426
6	0.027	0.213	0.426	-0.426
7	0.042	0.213	0.426	-0.426
8	-0.013	0.213	0.426	-0.426
9	-0.039	0.213	0.426	-0.426
10	0.069	0.213	0.427	-0.427
11	0.081	0.214	0.427	-0.427
12	-0.040	0.214	0.428	-0.428
13	0.059	0.214	0.428	-0.428
14	0.337	0.214	0.429	-0.429
15	-0.024	0.222	0.443	-0.443

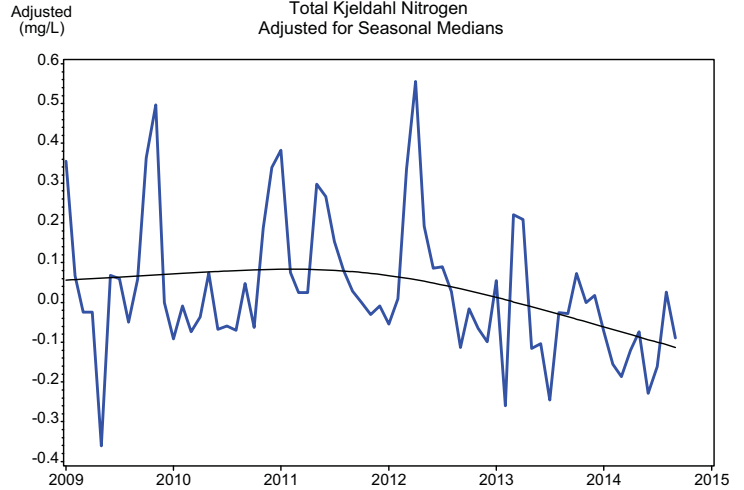
Ten Thousand Islands Trends Appendix
 Correlogram for Biological Oxygen Demand
 Adjusted for Seasonal Median and Detrended



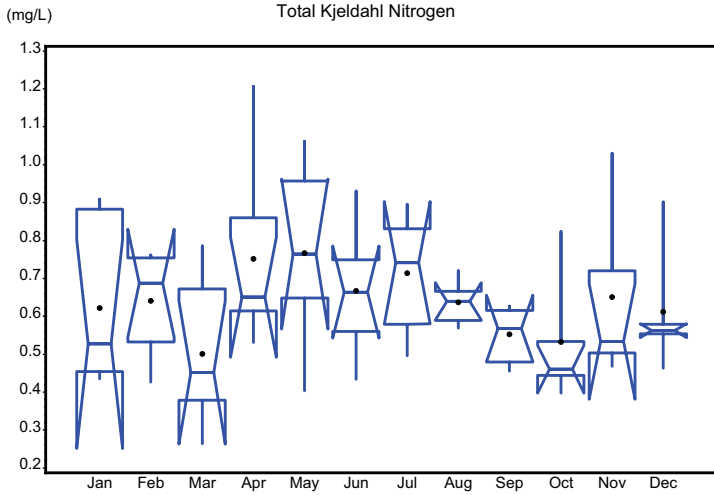
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians



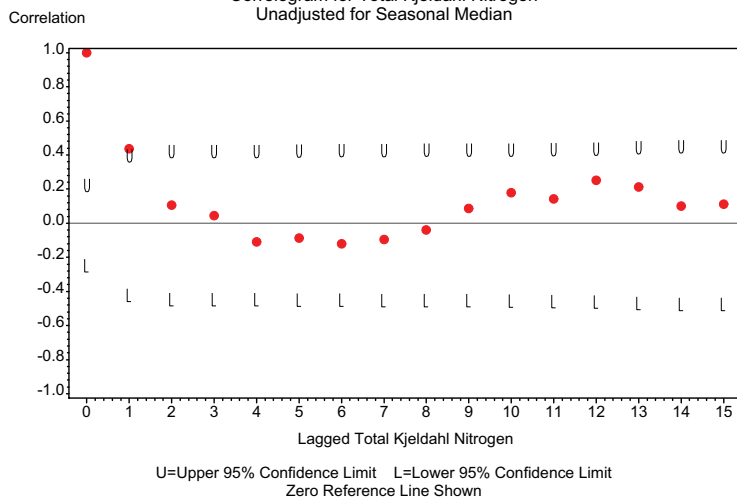
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Total Kjeldahl Nitrogen



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.437	0.204	0.408	-0.408
2	0.106	0.217	0.433	-0.433
3	0.043	0.217	0.435	-0.435
4	-0.109	0.218	0.435	-0.435
5	-0.086	0.218	0.437	-0.437
6	-0.120	0.219	0.438	-0.438
7	-0.096	0.220	0.439	-0.439
8	-0.041	0.220	0.441	-0.441
9	0.086	0.220	0.441	-0.441
10	0.179	0.221	0.442	-0.442
11	0.142	0.223	0.446	-0.446
12	0.252	0.224	0.448	-0.448
13	0.213	0.228	0.456	-0.456
14	0.099	0.231	0.462	-0.462
15	0.112	0.231	0.463	-0.463

Ten Thousand Islands Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Median



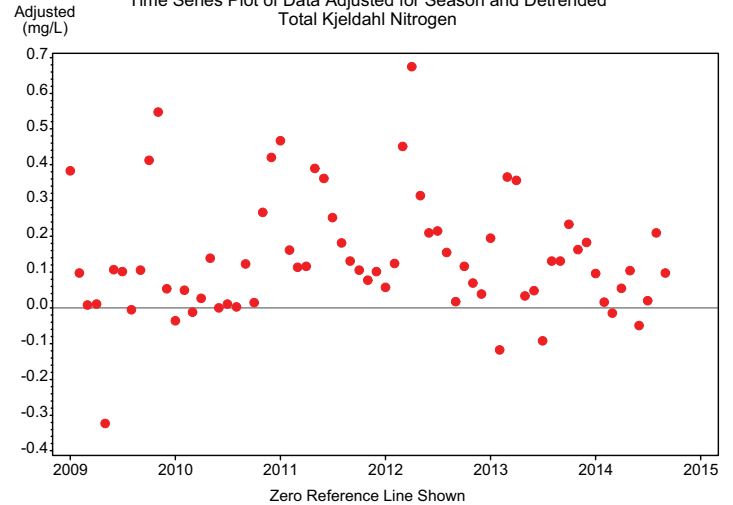
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.212	0.052	0.227	-0.028

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Total Kjeldahl Nitrogen
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
-0.21212	0.051555	0.22651	-0.028

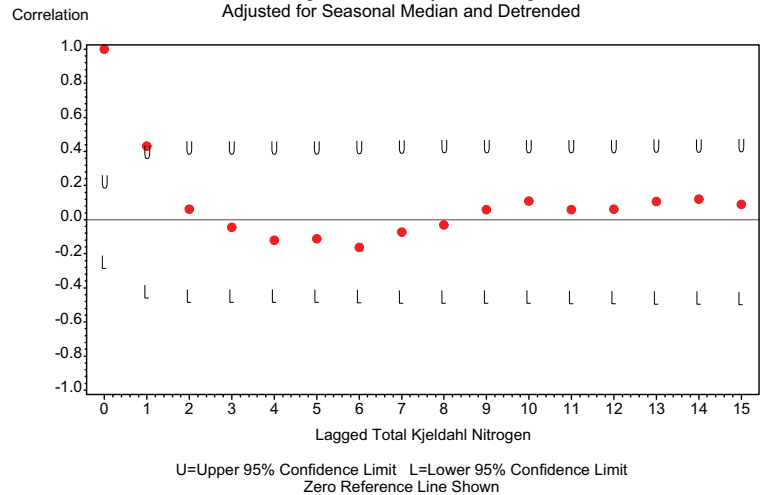
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Total Kjeldahl Nitrogen



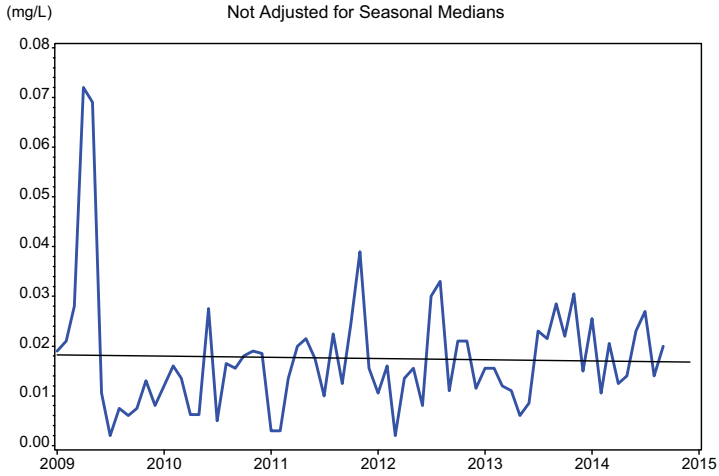
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended

Lagged Total Kjeldahl Nitrogen	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.431	0.204	0.408	-0.408
2	0.060	0.216	0.433	-0.433
3	-0.045	0.217	0.433	-0.433
4	-0.121	0.217	0.433	-0.433
5	-0.112	0.218	0.435	-0.435
6	-0.162	0.218	0.437	-0.437
7	-0.073	0.220	0.440	-0.440
8	-0.032	0.220	0.441	-0.441
9	0.057	0.221	0.441	-0.441
10	0.108	0.221	0.441	-0.441
11	0.058	0.221	0.443	-0.443
12	0.061	0.222	0.443	-0.443
13	0.107	0.222	0.444	-0.444
14	0.119	0.223	0.445	-0.445
15	0.089	0.223	0.447	-0.447

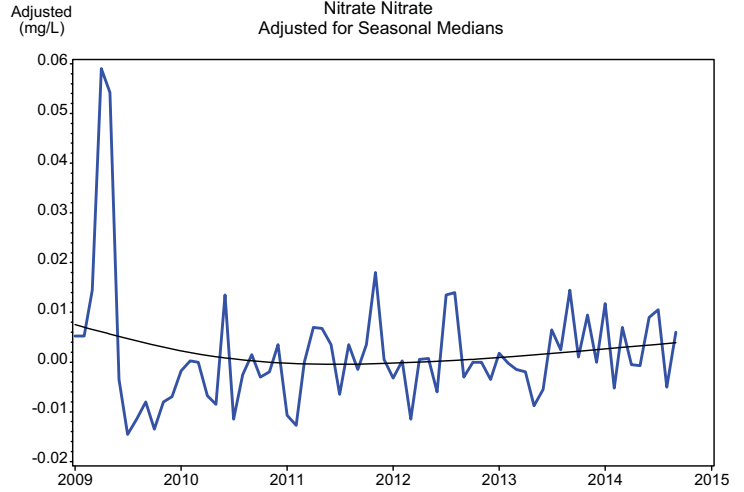
Ten Thousand Islands Trends Appendix
 Correlogram for Total Kjeldahl Nitrogen
 Adjusted for Seasonal Median and Detrended



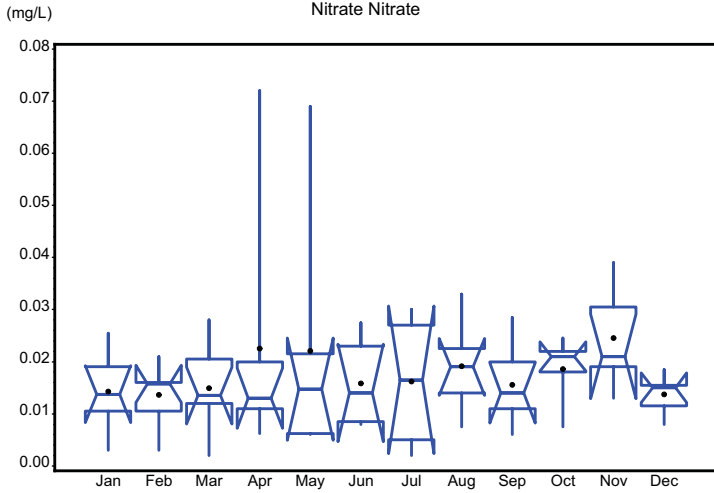
Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
 Monthly Data Time Series
 Nitrate Nitrate
 Adjusted for Seasonal Medians



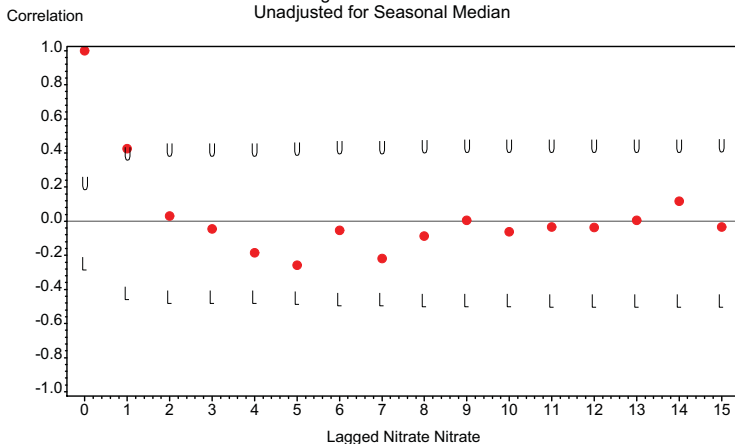
Ten Thousand Islands Trends Appendix
 Seasonal Univariate Statistics
 Nitrate Nitrate



Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Unadjusted for Seasonal Medians

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.424	0.204	0.408	-0.408
2	0.029	0.216	0.432	-0.432
3	-0.045	0.216	0.432	-0.432
4	-0.184	0.216	0.432	-0.432
5	-0.258	0.218	0.437	-0.437
6	-0.054	0.223	0.445	-0.445
7	-0.220	0.223	0.445	-0.445
8	-0.087	0.226	0.451	-0.451
9	0.005	0.226	0.452	-0.452
10	-0.063	0.226	0.452	-0.452
11	-0.035	0.226	0.453	-0.453
12	-0.038	0.227	0.453	-0.453
13	0.005	0.227	0.453	-0.453
14	0.116	0.227	0.453	-0.453
15	-0.034	0.227	0.455	-0.455

Ten Thousand Islands Trends Appendix
 Correlogram for Nitrate Nitrate
 Unadjusted for Seasonal Median



U=Upper 95% Confidence Limit L=Lower 95% Confidence Limit
 Zero Reference Line Shown

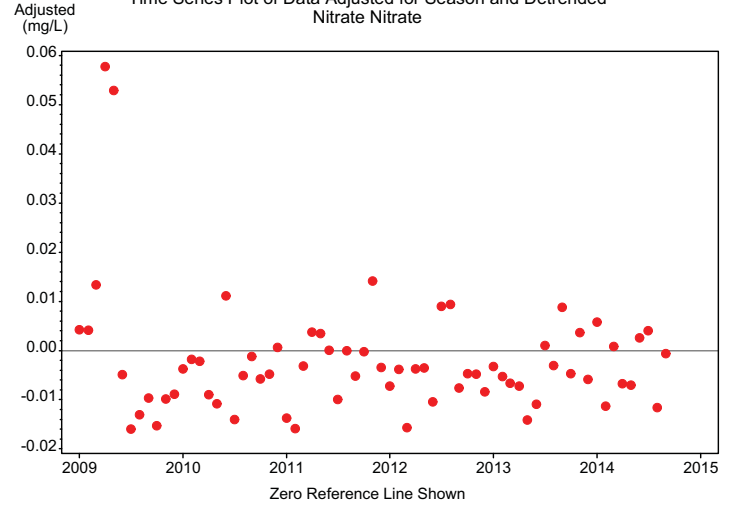
Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.085	0.452	0.222	.001

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Nitrate Nitrate
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.078788	0.48721	0.25039	.001

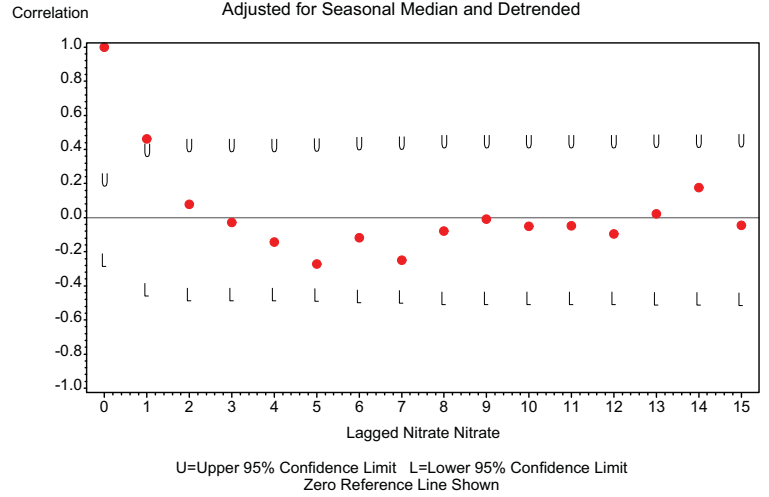
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Nitrate Nitrate



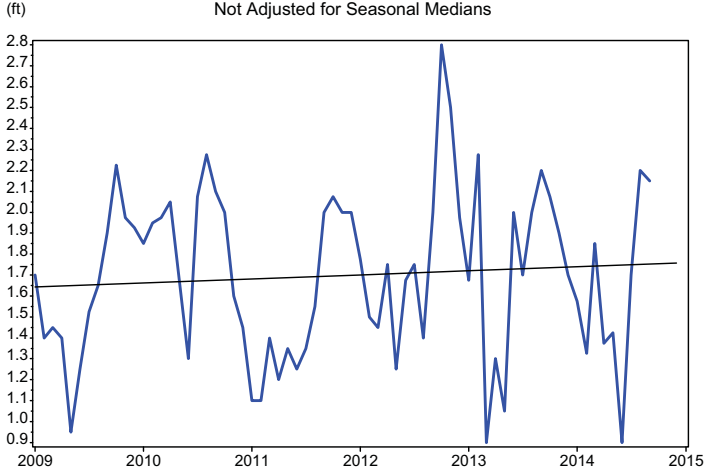
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended

Lagged Nitrate Nitrate	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.461	0.204	0.408	-0.408
2	0.077	0.218	0.436	-0.436
3	-0.028	0.218	0.437	-0.437
4	-0.144	0.219	0.437	-0.437
5	-0.273	0.220	0.440	-0.440
6	-0.118	0.224	0.449	-0.449
7	-0.250	0.225	0.451	-0.451
8	-0.080	0.229	0.458	-0.458
9	-0.009	0.230	0.459	-0.459
10	-0.051	0.230	0.459	-0.459
11	-0.048	0.230	0.459	-0.459
12	-0.097	0.230	0.460	-0.460
13	0.023	0.230	0.461	-0.461
14	0.177	0.230	0.461	-0.461
15	-0.044	0.232	0.465	-0.465

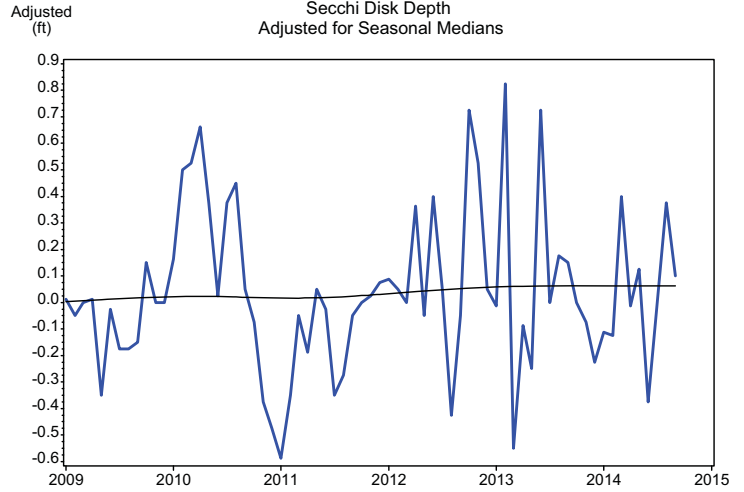
Ten Thousand Islands Trends Appendix
 Correlogram for Nitrate Nitrate
 Adjusted for Seasonal Median and Detrended



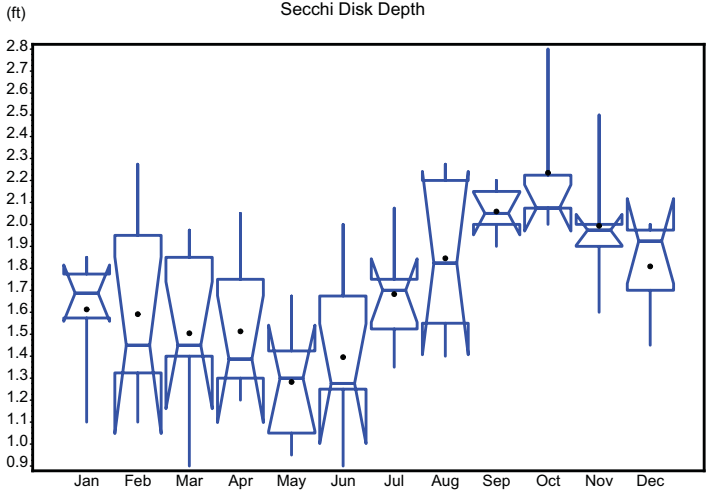
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Secchi Disk Depth
Adjusted for Seasonal Medians



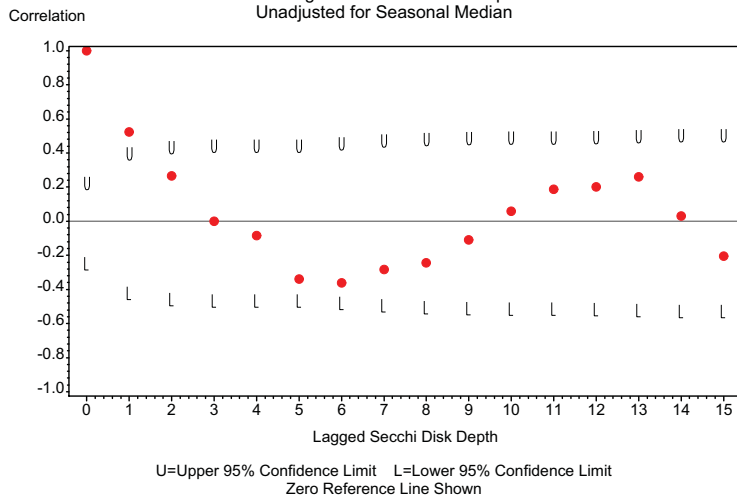
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Secchi Disk Depth



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Secchi Disk Depth
Unadjusted for Seasonal Medians

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.524	0.204	0.408	-0.408
2	0.265	0.222	0.444	-0.444
3	0.000	0.226	0.453	-0.453
4	-0.084	0.226	0.453	-0.453
5	-0.338	0.227	0.454	-0.454
6	-0.362	0.234	0.467	-0.467
7	-0.282	0.241	0.483	-0.483
8	-0.244	0.246	0.492	-0.492
9	-0.110	0.249	0.498	-0.498
10	0.059	0.250	0.500	-0.500
11	0.188	0.250	0.500	-0.500
12	0.202	0.252	0.504	-0.504
13	0.260	0.254	0.509	-0.509
14	0.029	0.258	0.516	-0.516
15	-0.204	0.258	0.516	-0.516

Ten Thousand Islands Trends Appendix
Correlogram for Secchi Disk Depth
Unadjusted for Seasonal Median



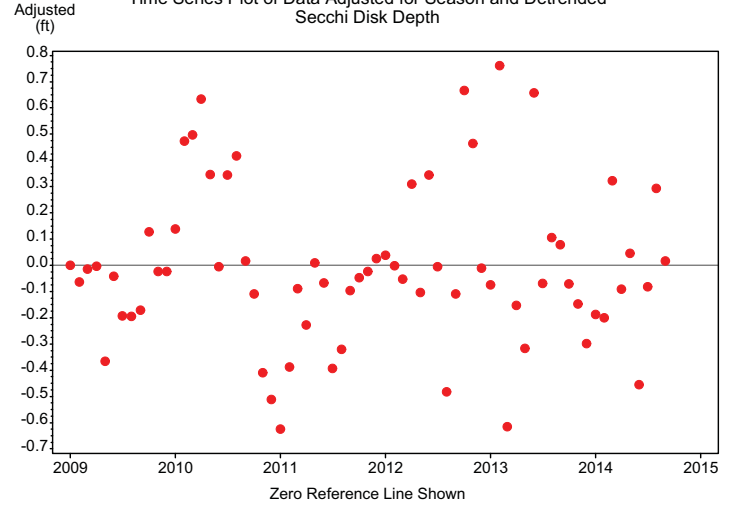
Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Secchi Disk Depth
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036	0.773	0.839	0.013

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Secchi Disk Depth
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.036364	0.77283	0.83948	0.0125

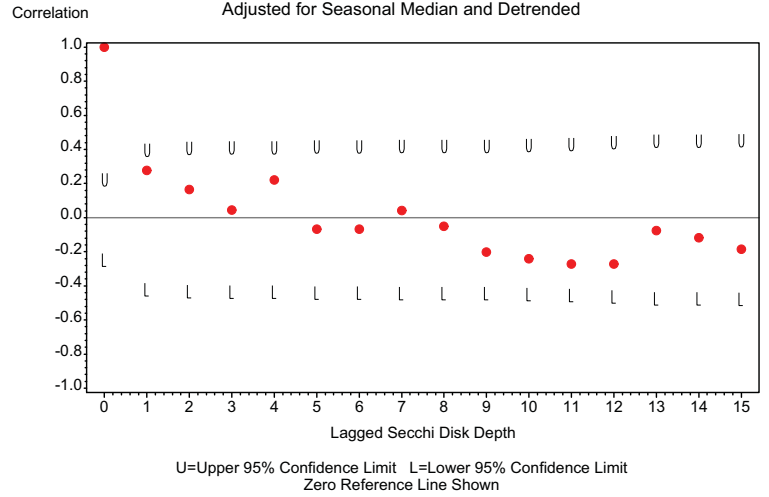
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Secchi Disk Depth



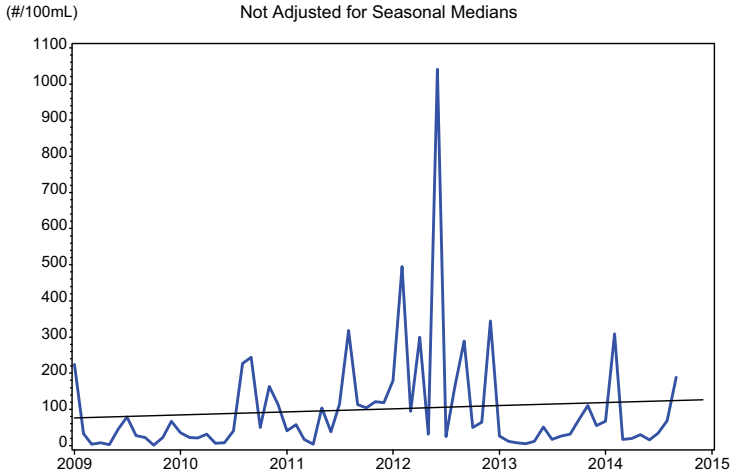
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended

Lagged Secchi Disk Depth	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.278	0.204	0.408	-0.408
2	0.166	0.209	0.419	-0.419
3	0.044	0.211	0.422	-0.422
4	0.220	0.211	0.422	-0.422
5	-0.068	0.214	0.429	-0.429
6	-0.067	0.215	0.429	-0.429
7	0.041	0.215	0.430	-0.430
8	-0.051	0.215	0.430	-0.430
9	-0.201	0.215	0.431	-0.431
10	-0.242	0.218	0.436	-0.436
11	-0.272	0.222	0.443	-0.443
12	-0.271	0.226	0.452	-0.452
13	-0.075	0.231	0.461	-0.461
14	-0.117	0.231	0.462	-0.462
15	-0.185	0.232	0.464	-0.464

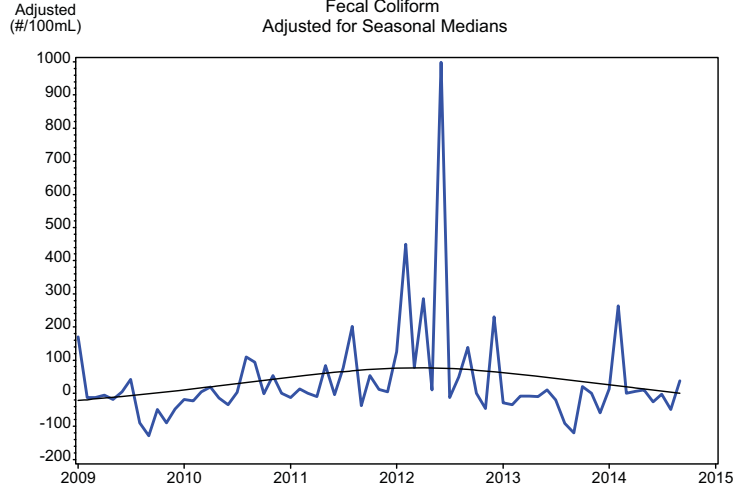
Ten Thousand Islands Trends Appendix
 Correlogram for Secchi Disk Depth
 Adjusted for Seasonal Median and Detrended



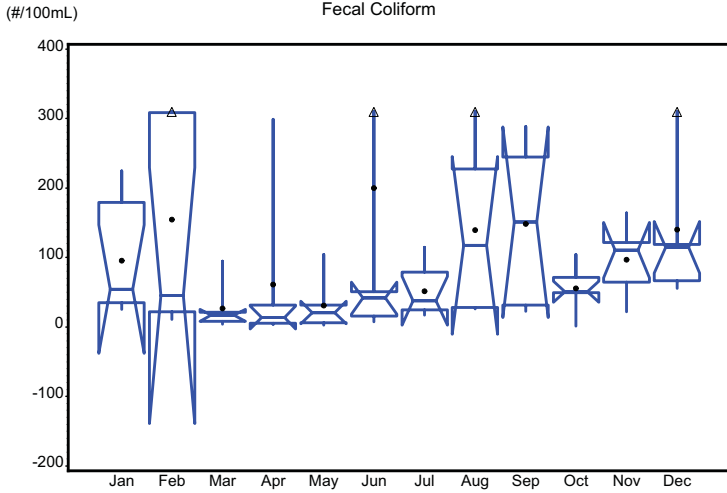
Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Fecal Coliform
Not Adjusted for Seasonal Medians



Ten Thousand Islands Trends Appendix
Monthly Data Time Series
Fecal Coliform
Adjusted for Seasonal Medians



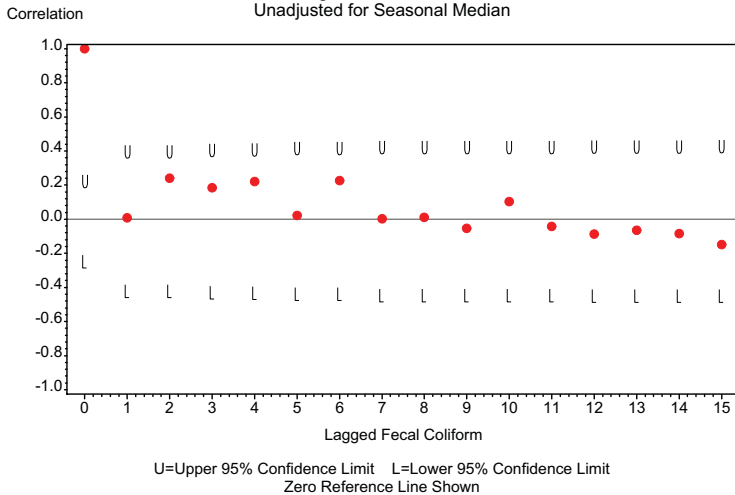
Ten Thousand Islands Trends Appendix
Seasonal Univariate Statistics
Fecal Coliform



Ten Thousand Islands Trends Appendix
Autocorrelation Statistics for Fecal Coliform
Unadjusted for Seasonal Medians

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.008	0.204	0.408	-0.408
2	0.239	0.204	0.408	-0.408
3	0.185	0.208	0.416	-0.416
4	0.222	0.210	0.420	-0.420
5	0.023	0.213	0.427	-0.427
6	0.226	0.214	0.427	-0.427
7	0.002	0.217	0.434	-0.434
8	0.010	0.217	0.434	-0.434
9	-0.055	0.217	0.434	-0.434
10	0.103	0.217	0.434	-0.434
11	-0.043	0.218	0.435	-0.435
12	-0.087	0.218	0.436	-0.436
13	-0.065	0.218	0.437	-0.437
14	-0.084	0.219	0.437	-0.437
15	-0.149	0.219	0.438	-0.438

Ten Thousand Islands Trends Appendix
Correlogram for Fecal Coliform
Unadjusted for Seasonal Median



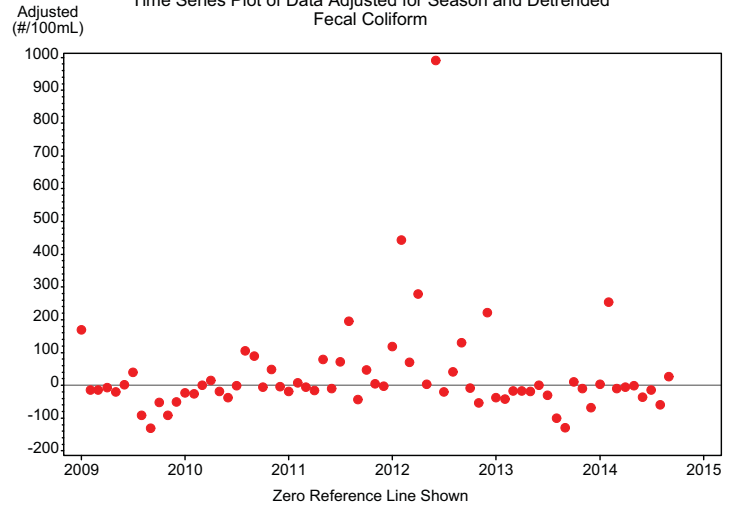
Ten Thousand Islands Trends Appendix
Seasonal Kendall Tau Trend Test Statistics
Fecal Coliform
Unadjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.067	0.567	0.749	1.667

Ten Thousand Islands Trends Appendix
 Seasonal Kendall Tau Trend Test Statistics
 Fecal Coliform
 Adjusted for Seasonal Medians

Tau Statistic	P-Value Without Serial Correlation	P-Value With Serial Correlation	Slope Statistic
0.066667	0.56692	0.74869	1.66667

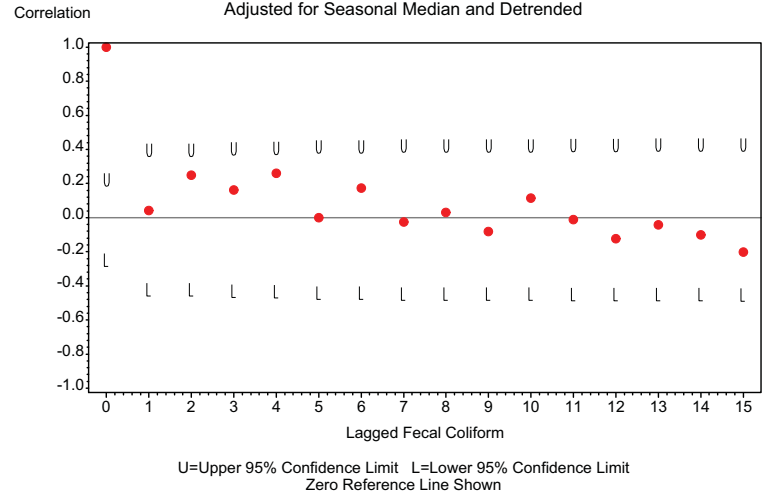
Ten Thousand Islands Trends Appendix
 Time Series Plot of Data Adjusted for Season and Detrended
 Fecal Coliform



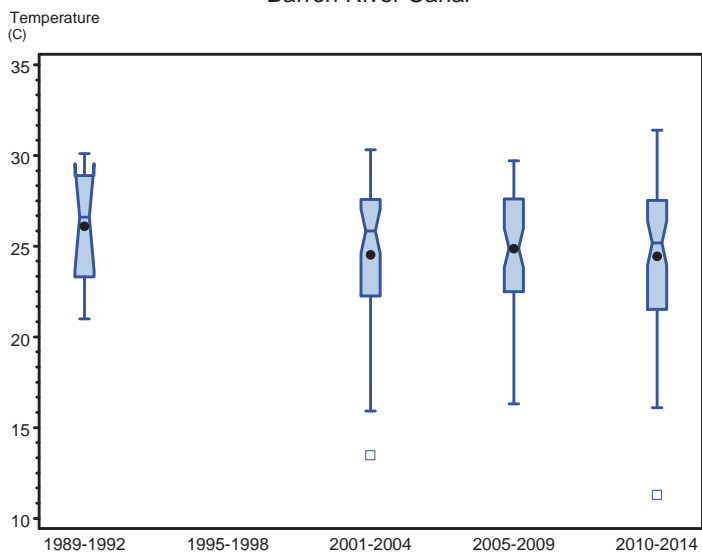
Ten Thousand Islands Trends Appendix
 Autocorrelation Statistics for Fecal Coliform
 Adjusted for Seasonal Median and Detrended

Lagged Fecal Coliform	Correlation	Standard Error	Upper Limit	Lower Limit
0	1.000	0.118	0.236	-0.236
1	0.041	0.204	0.408	-0.408
2	0.248	0.204	0.408	-0.408
3	0.161	0.208	0.417	-0.417
4	0.260	0.210	0.420	-0.420
5	-0.001	0.215	0.429	-0.429
6	0.173	0.215	0.429	-0.429
7	-0.025	0.216	0.433	-0.433
8	0.031	0.216	0.433	-0.433
9	-0.082	0.217	0.433	-0.433
10	0.113	0.217	0.434	-0.434
11	-0.013	0.218	0.436	-0.436
12	-0.125	0.218	0.436	-0.436
13	-0.043	0.219	0.438	-0.438
14	-0.102	0.219	0.438	-0.438
15	-0.202	0.220	0.439	-0.439

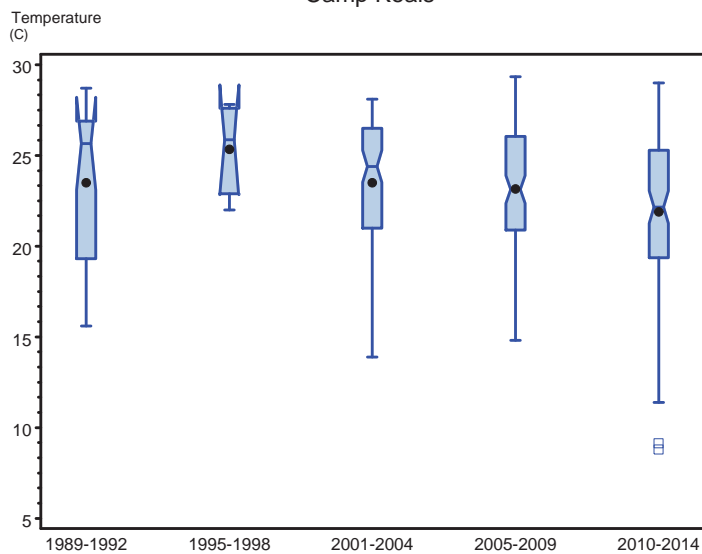
Ten Thousand Islands Trends Appendix
 Correlogram for Fecal Coliform
 Adjusted for Seasonal Median and Detrended



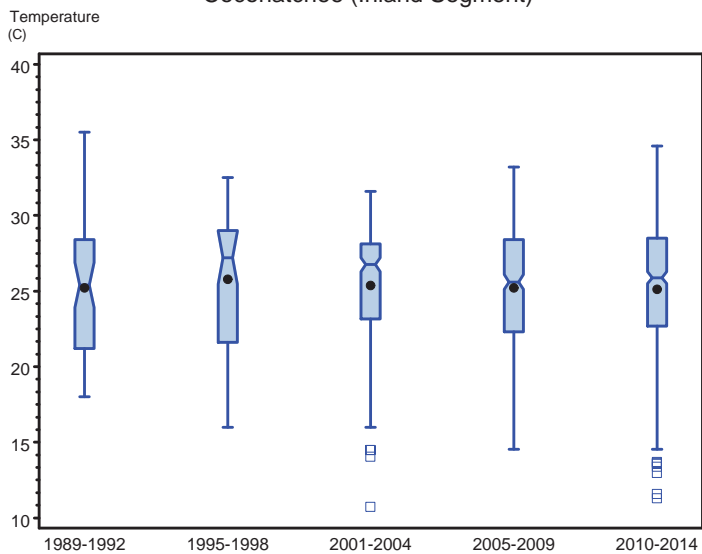
Barron River Canal



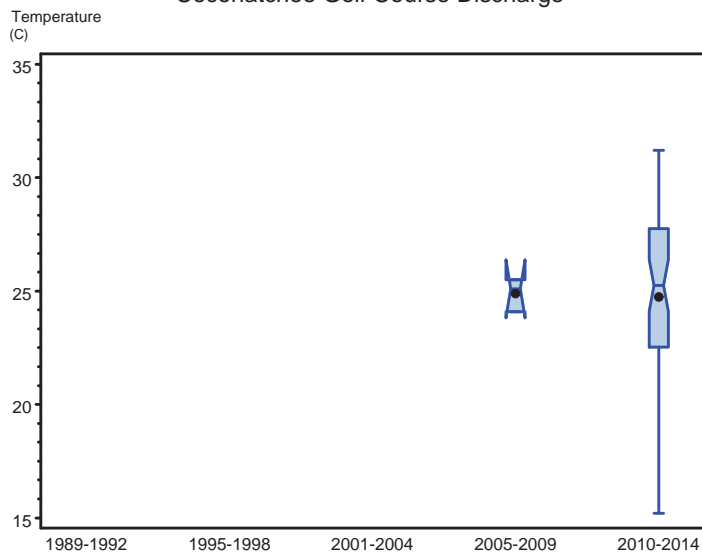
Camp Keais



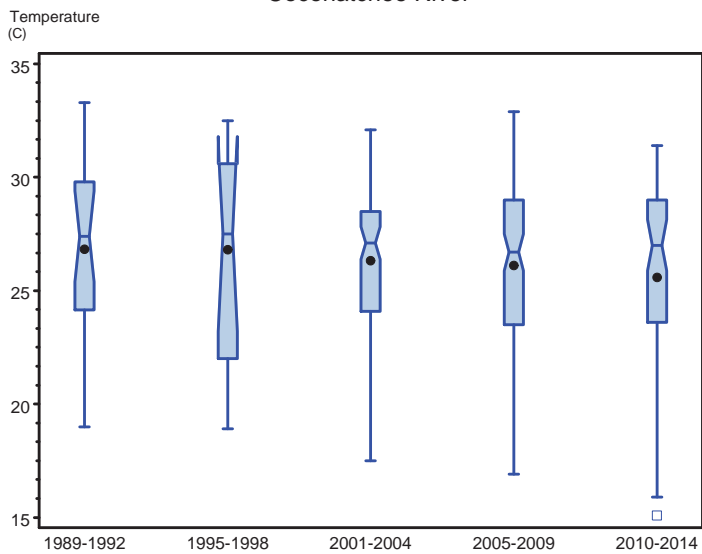
Cocohatchee (Inland Segment)



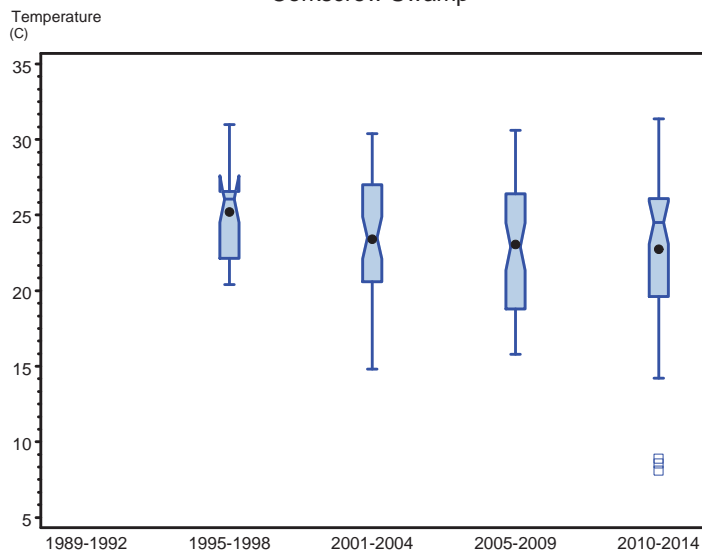
Cocohatchee Golf Course Discharge



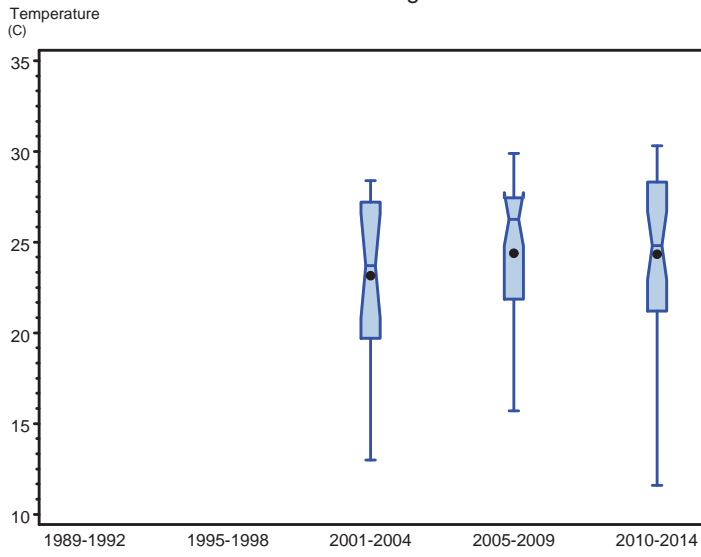
Cocohatchee River



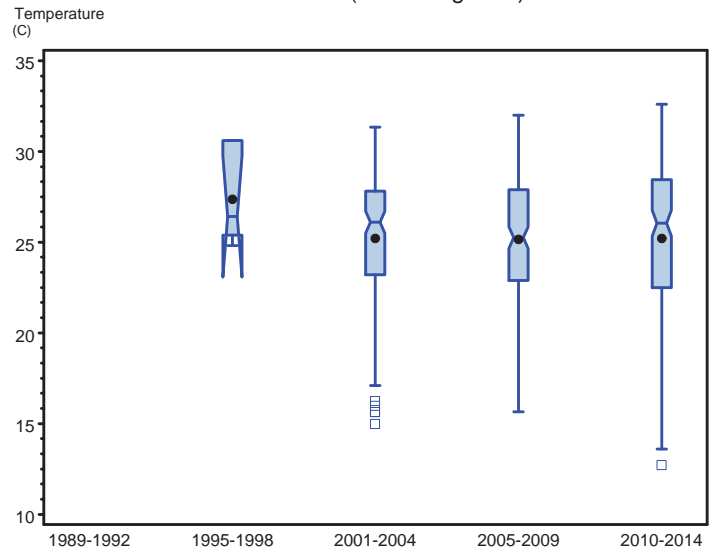
Corkscrew Swamp



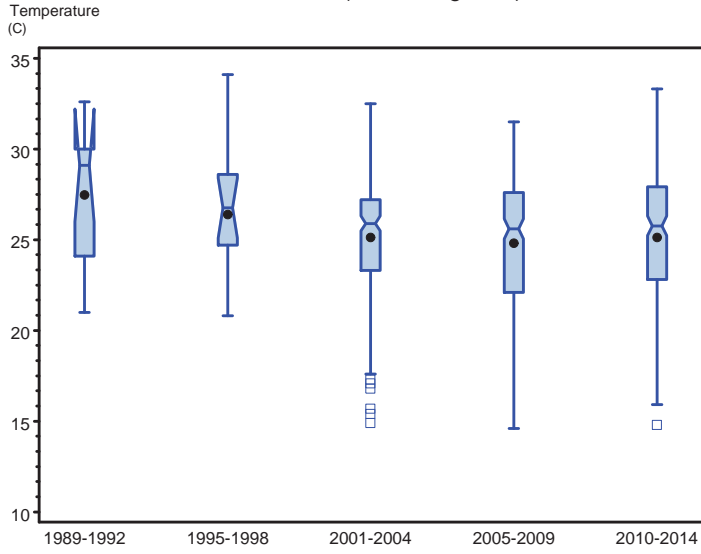
Cow Slough



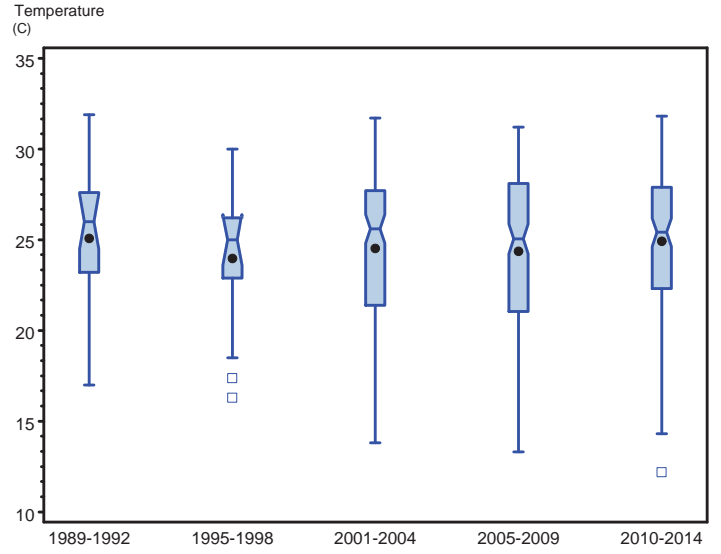
Faka Union (North Segment)



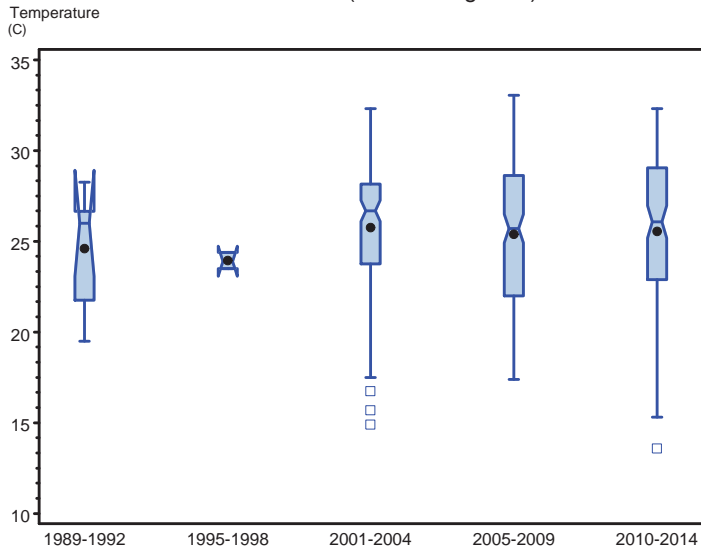
Faka Union (South Segment)



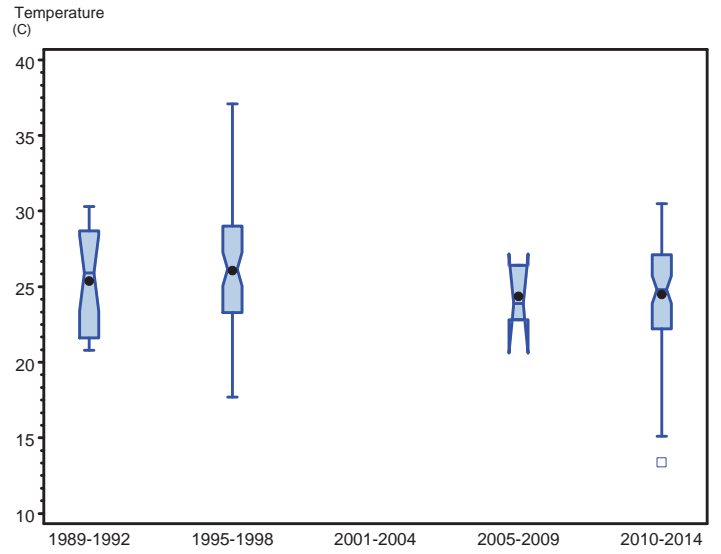
Fakahatchee Strand



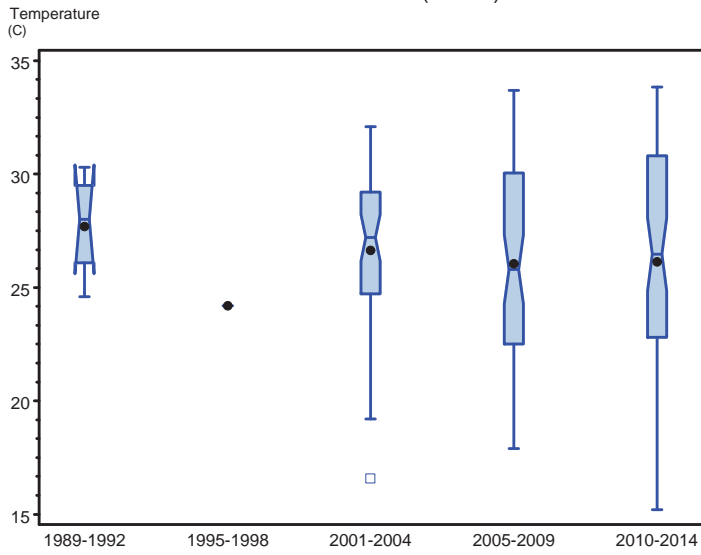
Gordon River (Marine Segment)



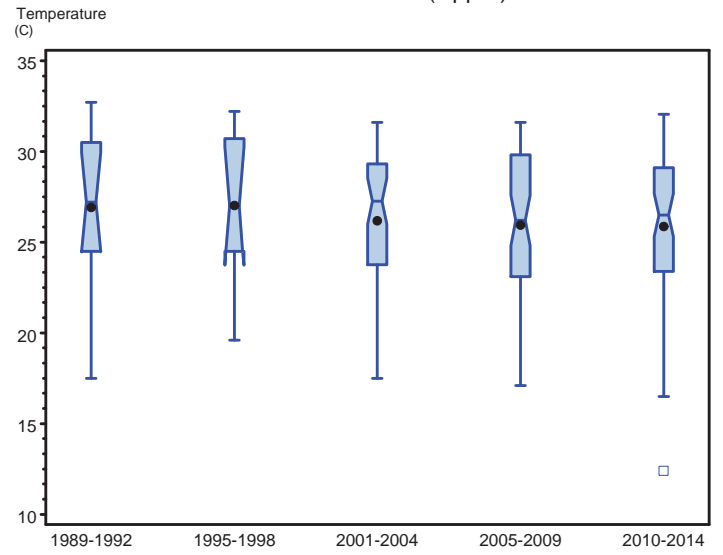
Gordon River Extension



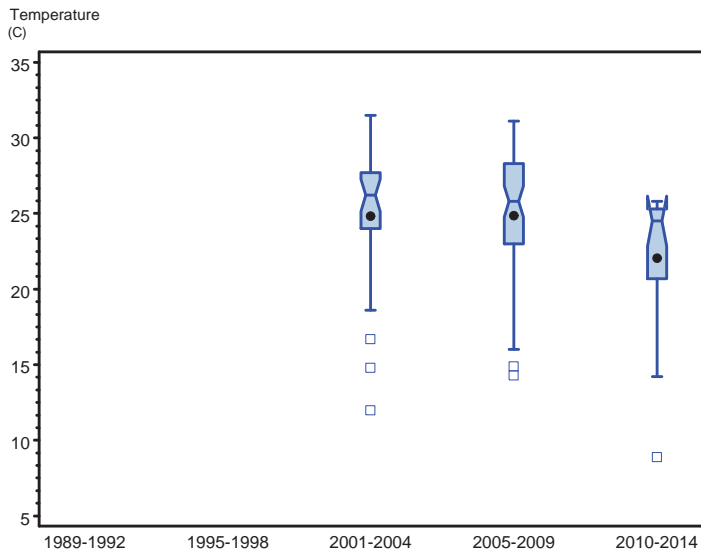
Haldeman Creek (Lower)



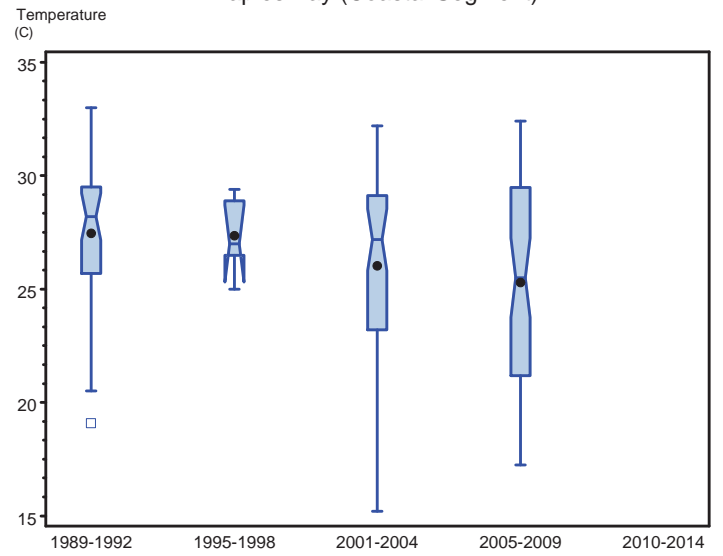
Haldeman Creek (Upper)



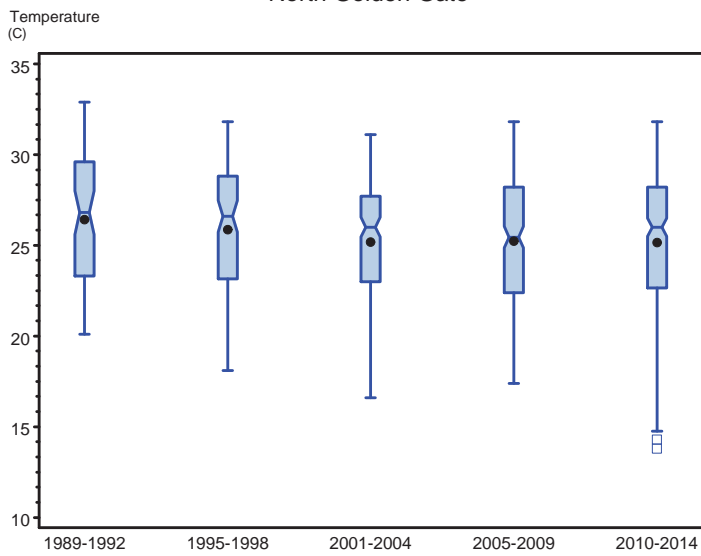
Immokalee Basin



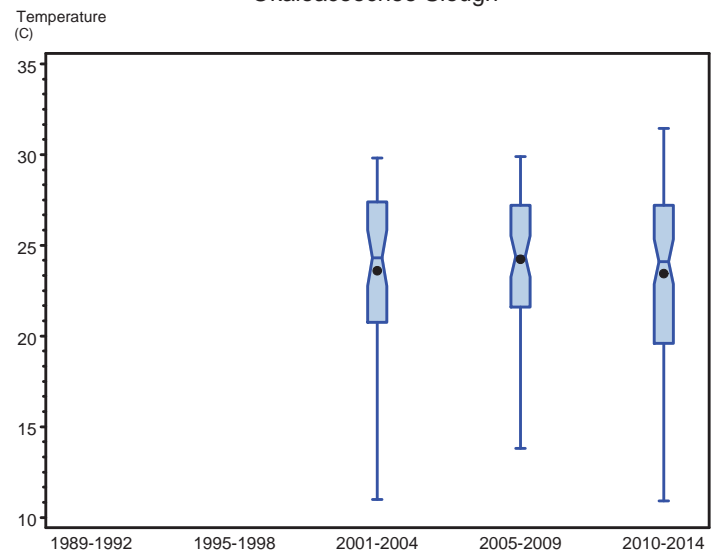
Naples Bay (Coastal Segment)



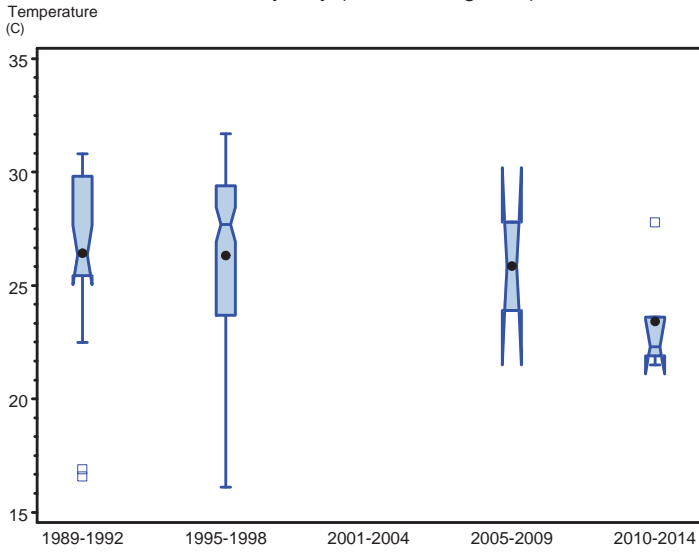
North Golden Gate



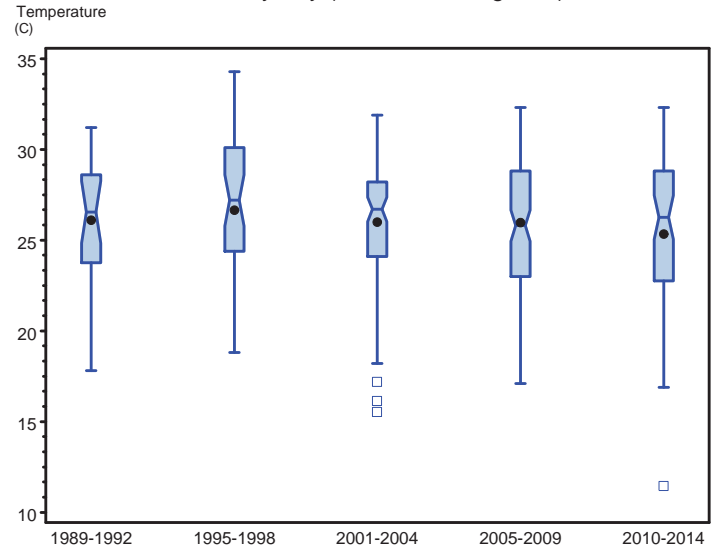
Okaloacoochee Slough



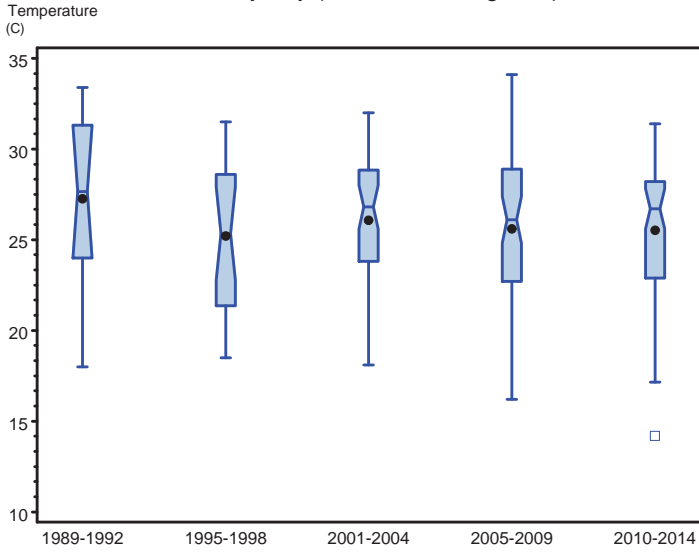
Rookery Bay (Coastal Segment)



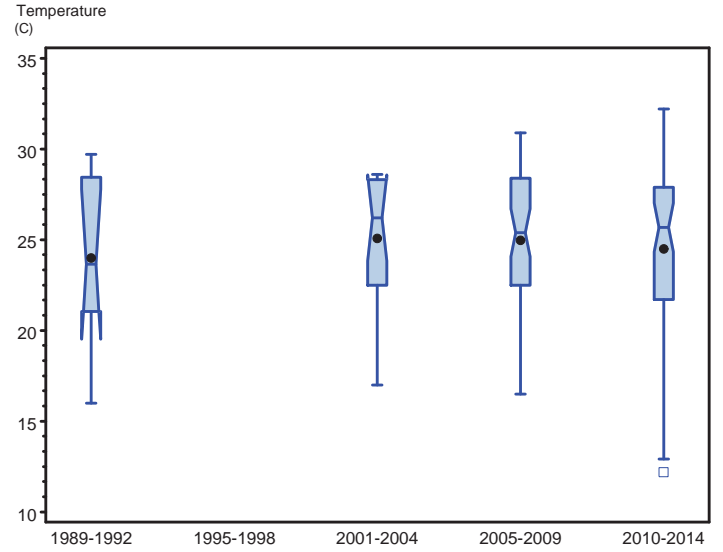
Rookery Bay (Inland East Segment)



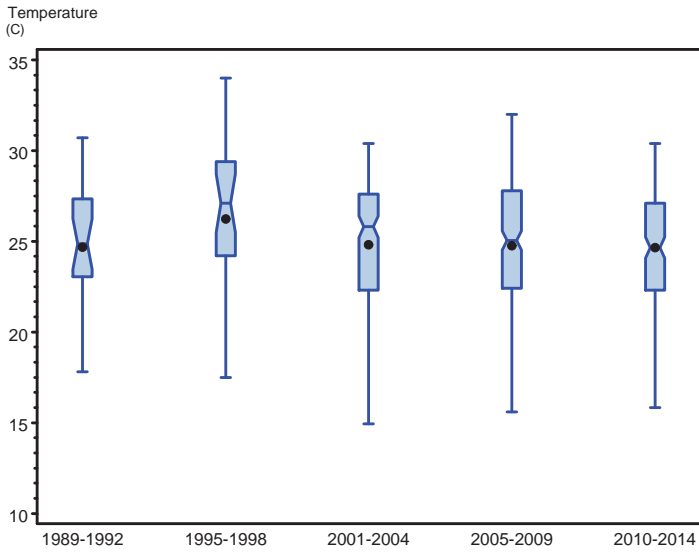
Rookery Bay (Inland West Segment)



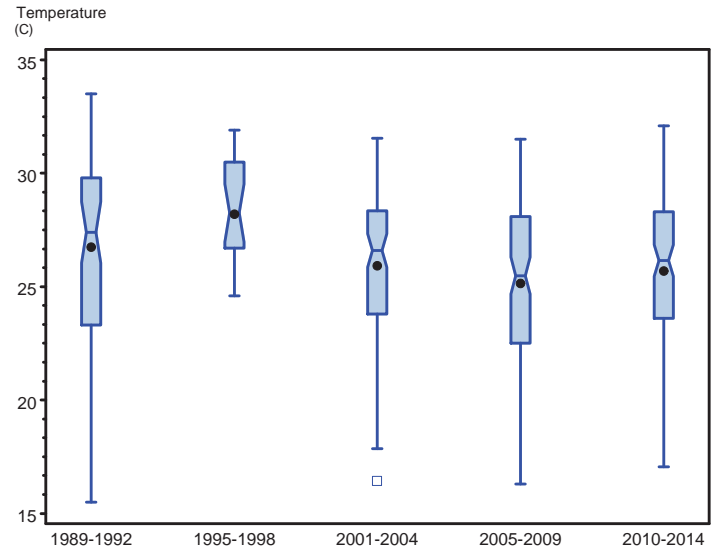
Silver Strand



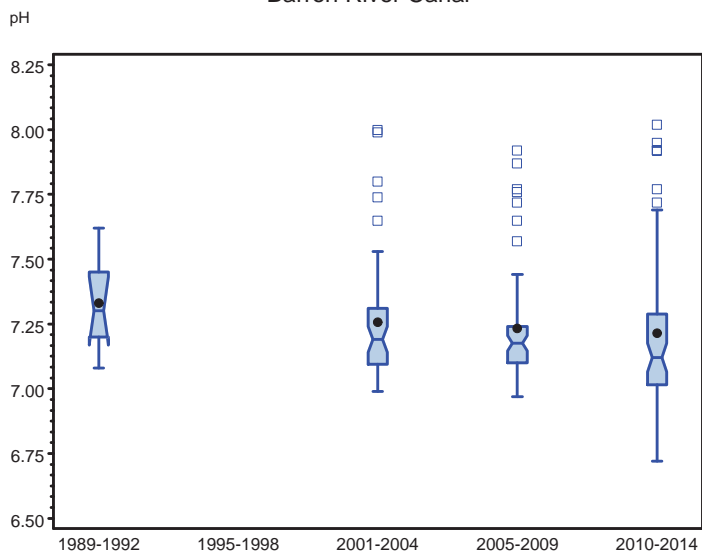
Tamiami Canal



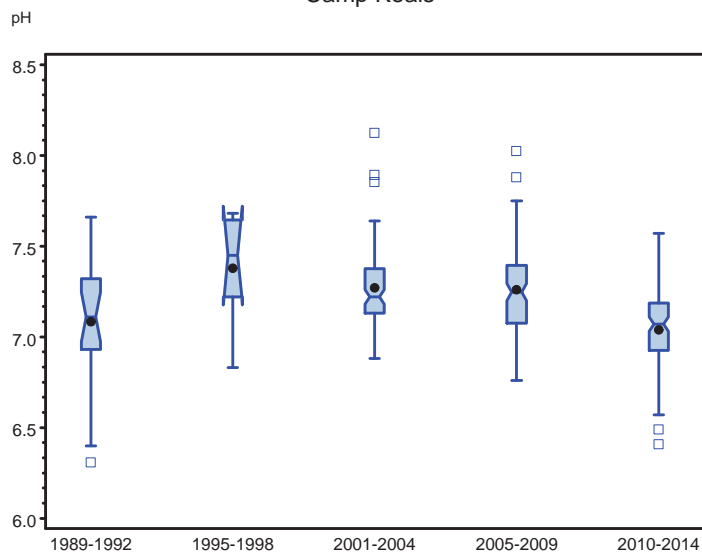
Ten Thousand Islands



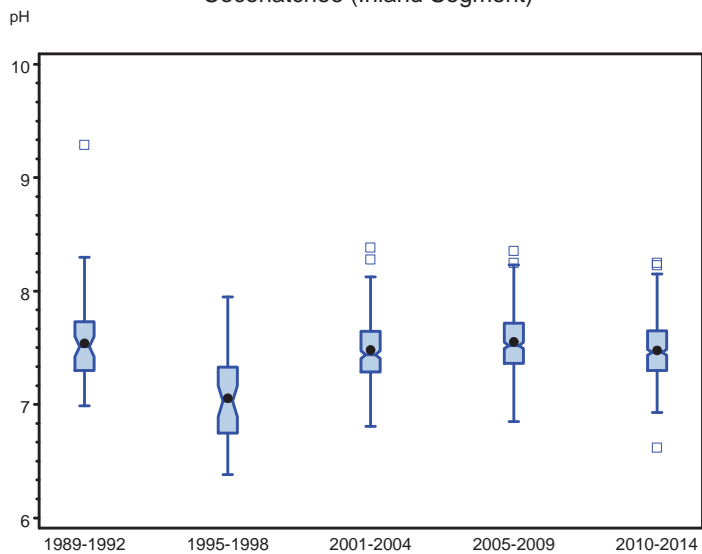
Barron River Canal



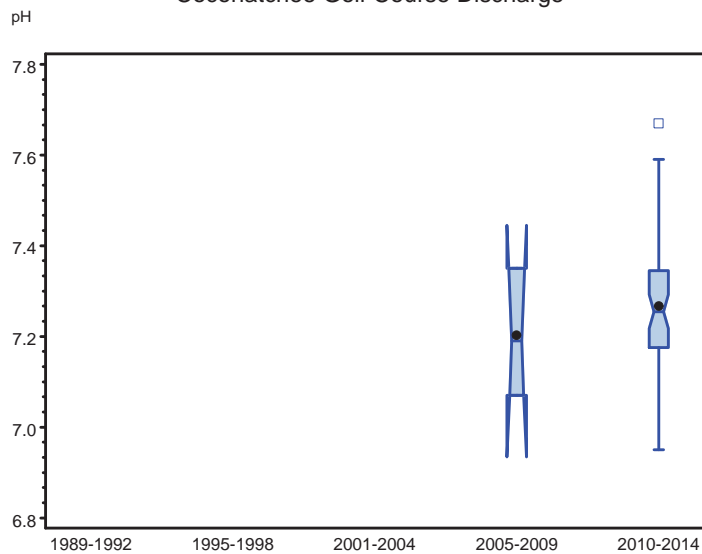
Camp Keais



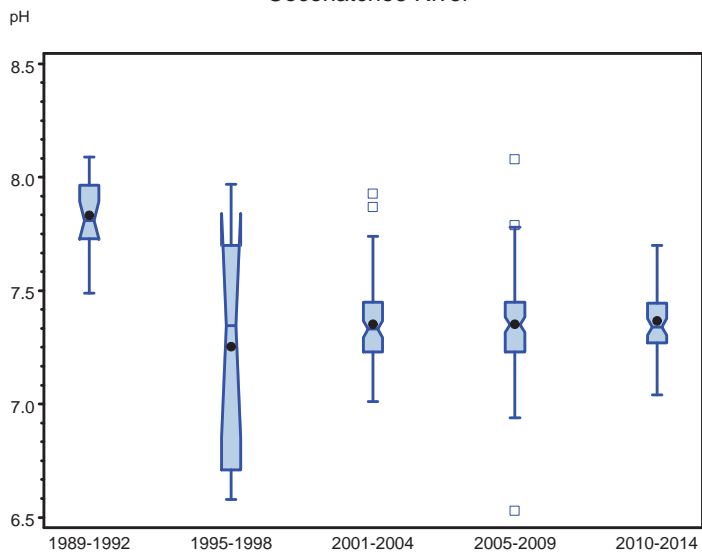
Cocohatchee (Inland Segment)



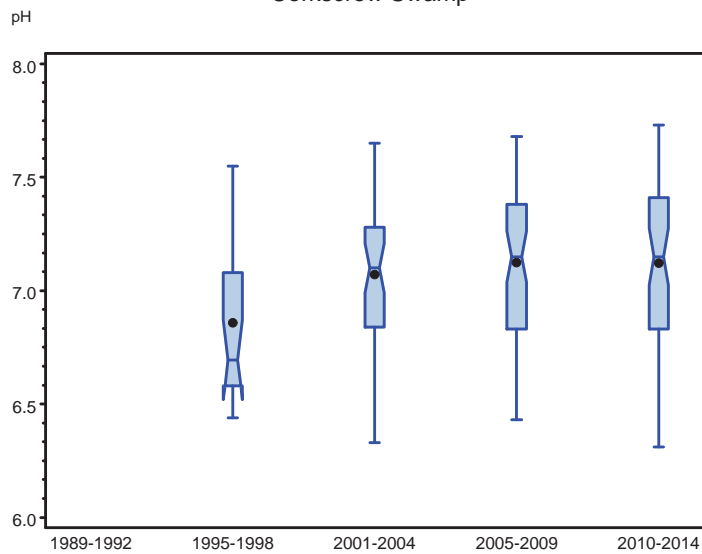
Cocohatchee Golf Course Discharge



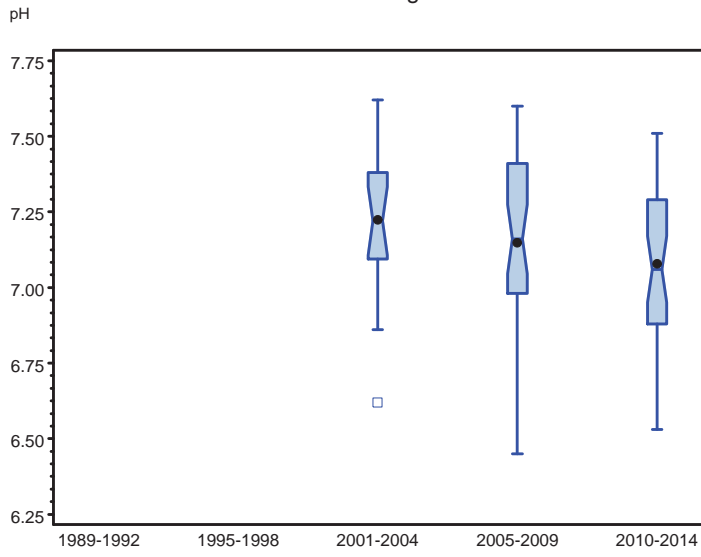
Cocohatchee River



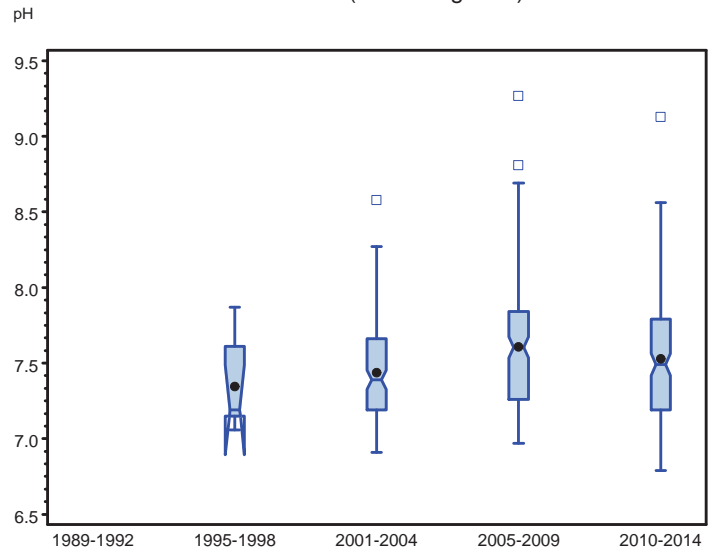
Corkscrew Swamp



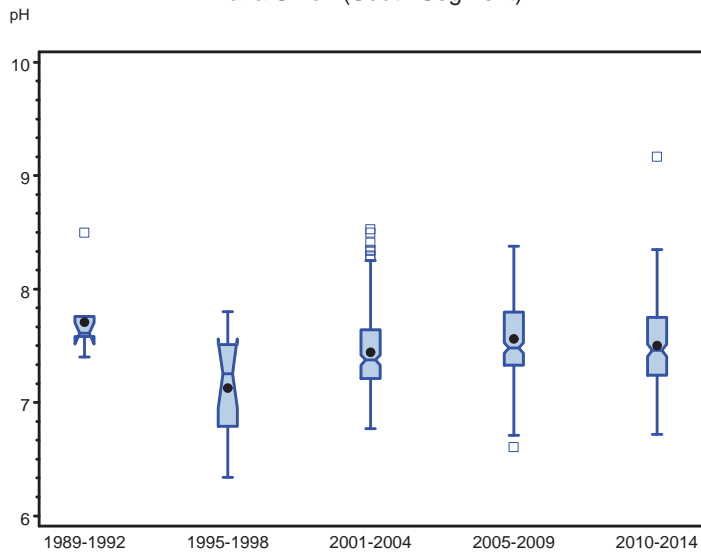
Cow Slough



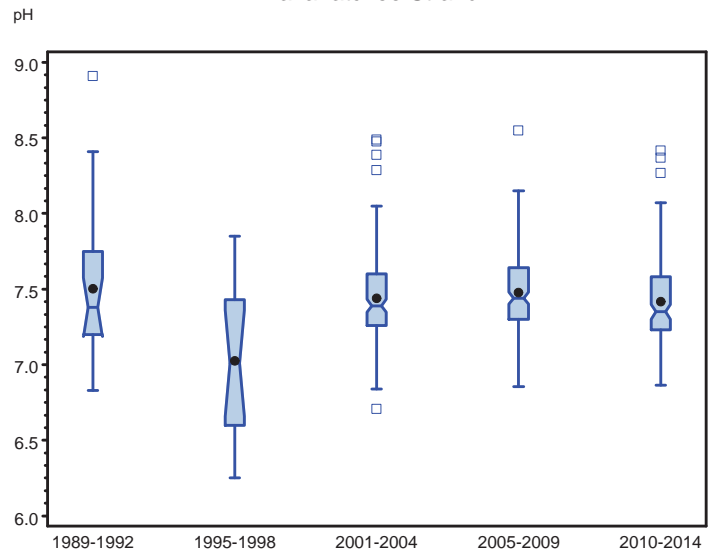
Faka Union (North Segment)



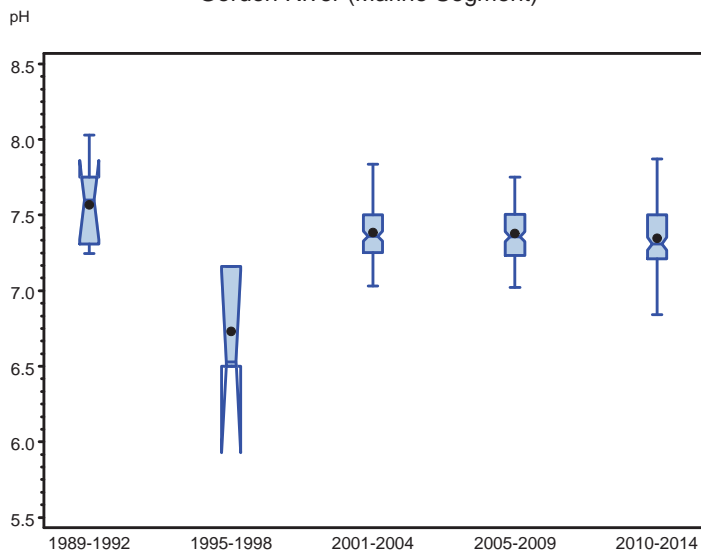
Faka Union (South Segment)



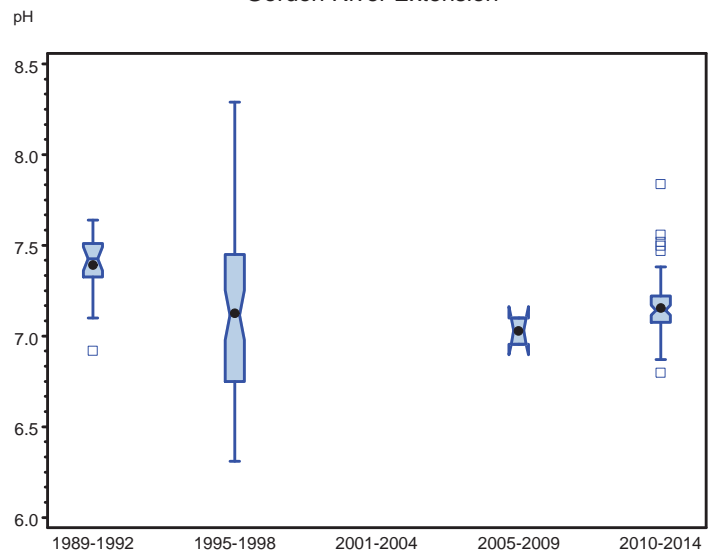
Fakahatchee Strand



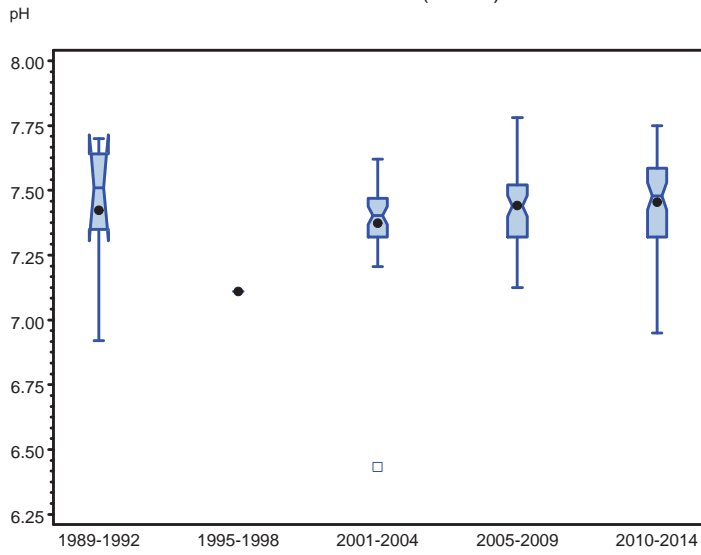
Gordon River (Marine Segment)



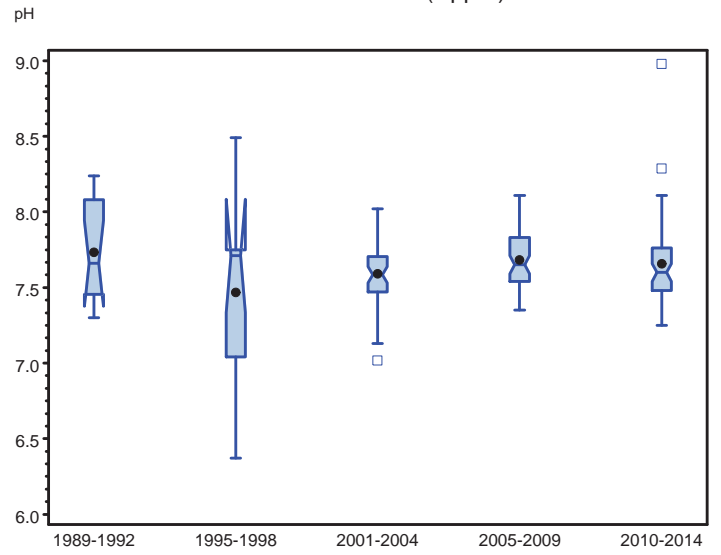
Gordon River Extension



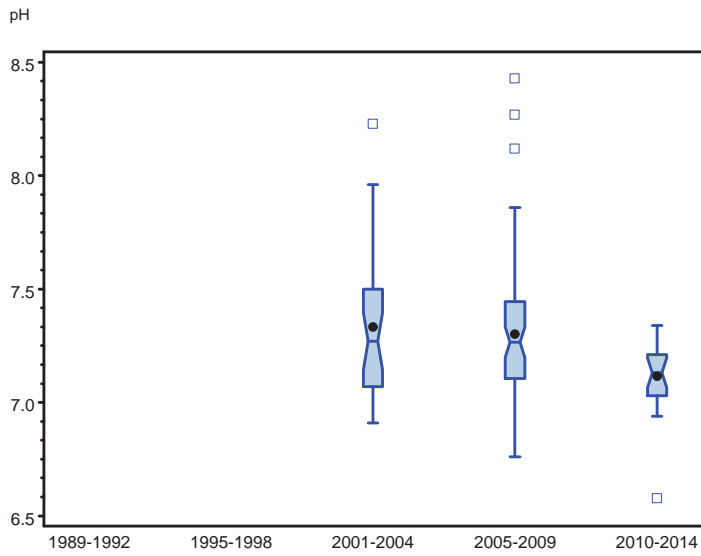
Haldeman Creek (Lower)



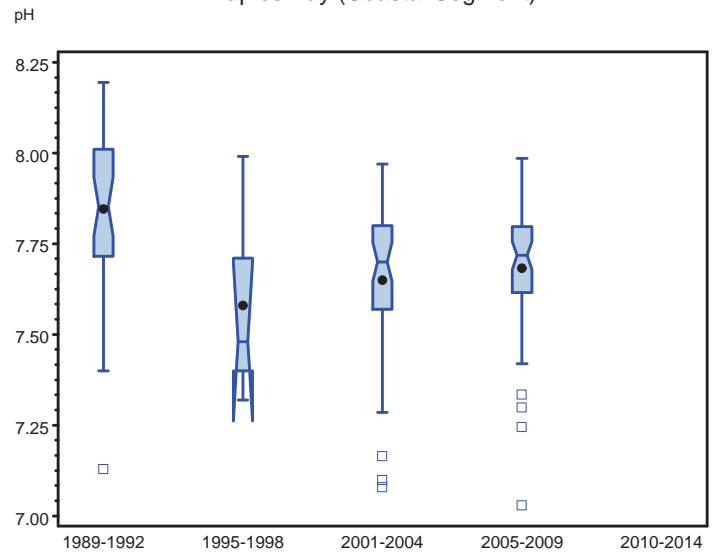
Haldeman Creek (Upper)



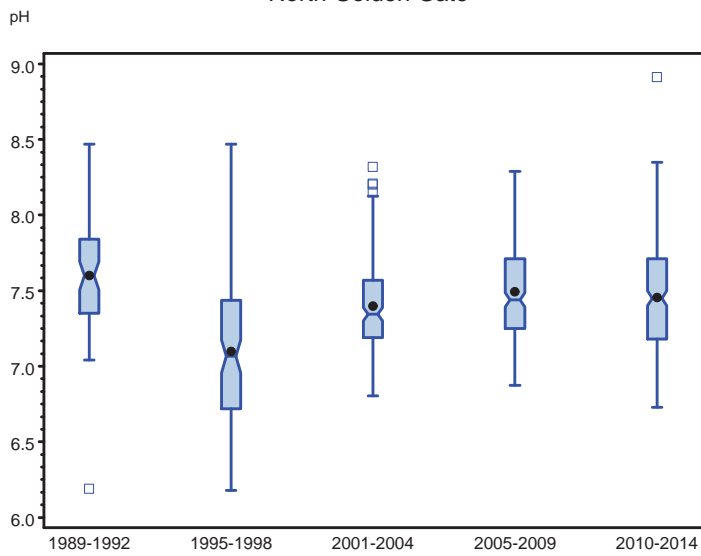
Immokalee Basin



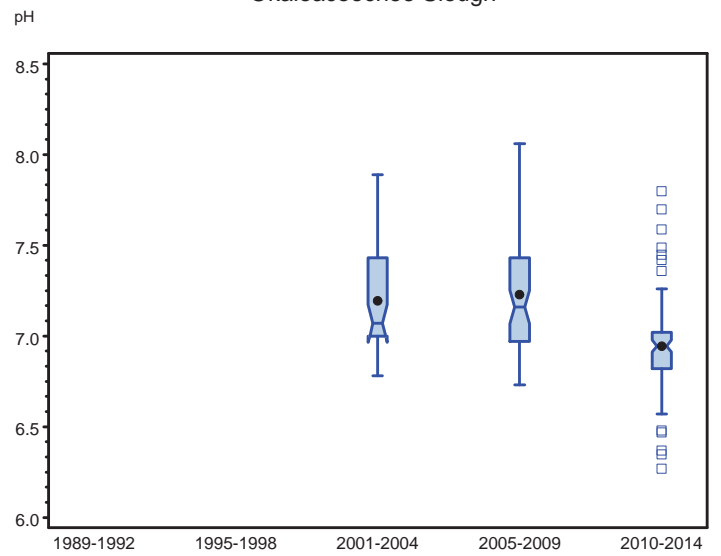
Naples Bay (Coastal Segment)



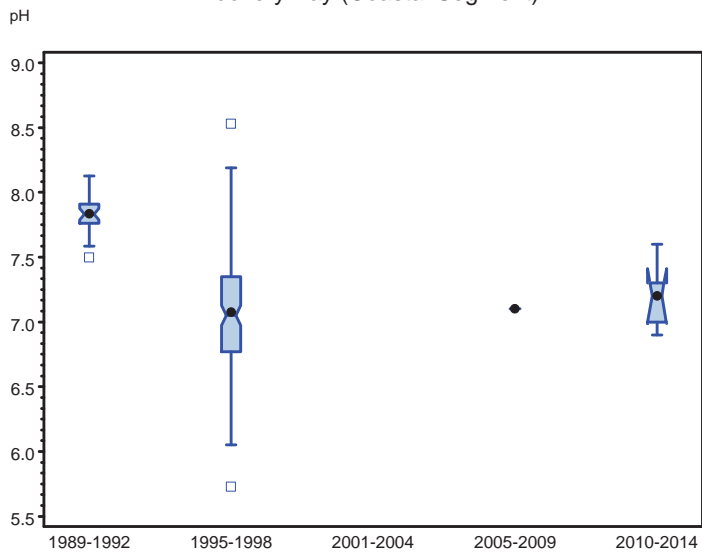
North Golden Gate



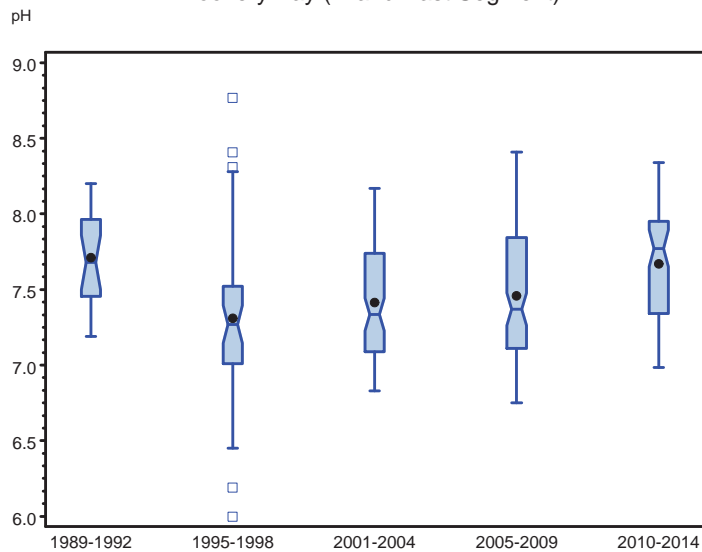
Okaloacoochee Slough



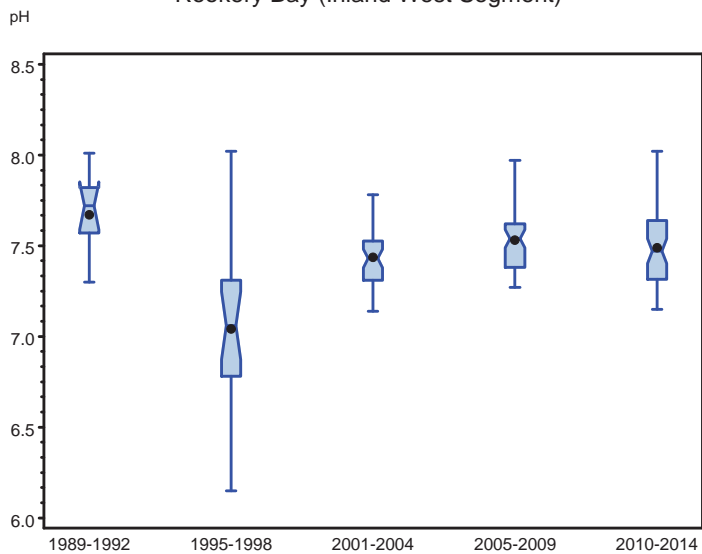
Rookery Bay (Coastal Segment)



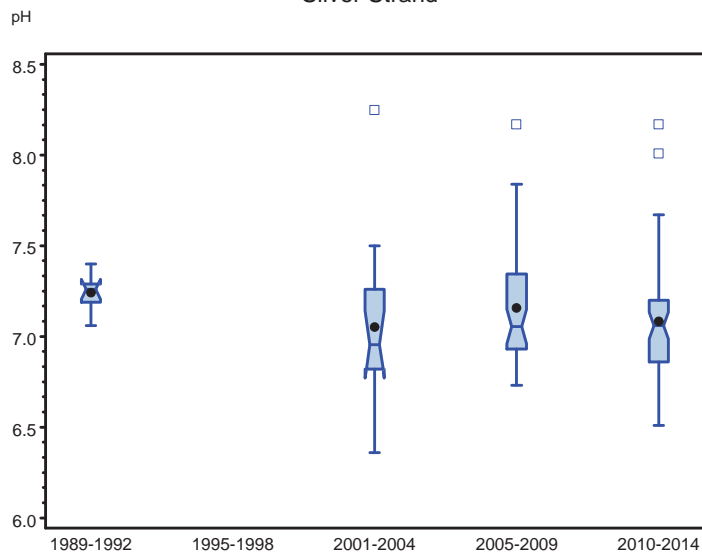
Rookery Bay (Inland East Segment)



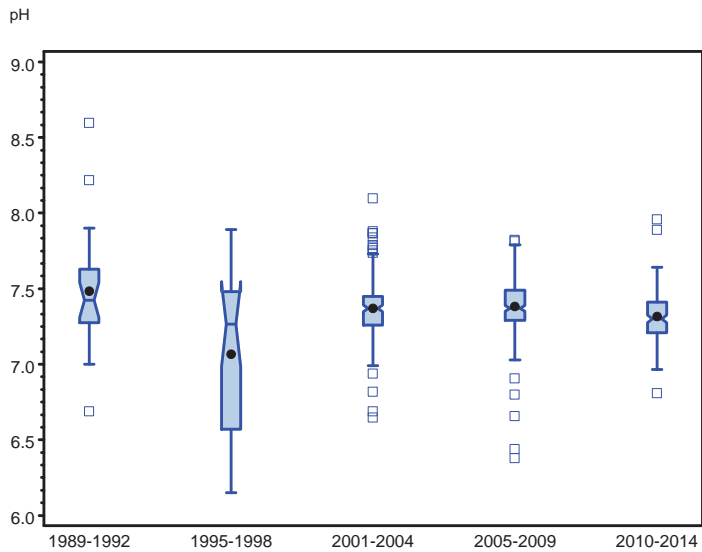
Rookery Bay (Inland West Segment)



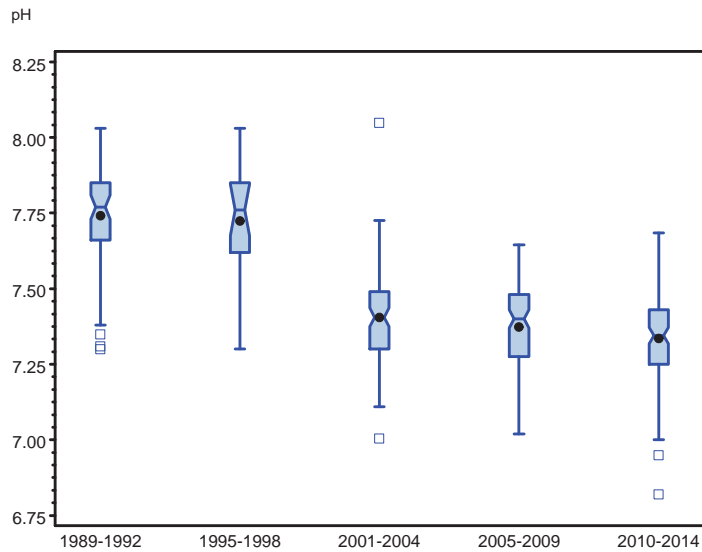
Silver Strand



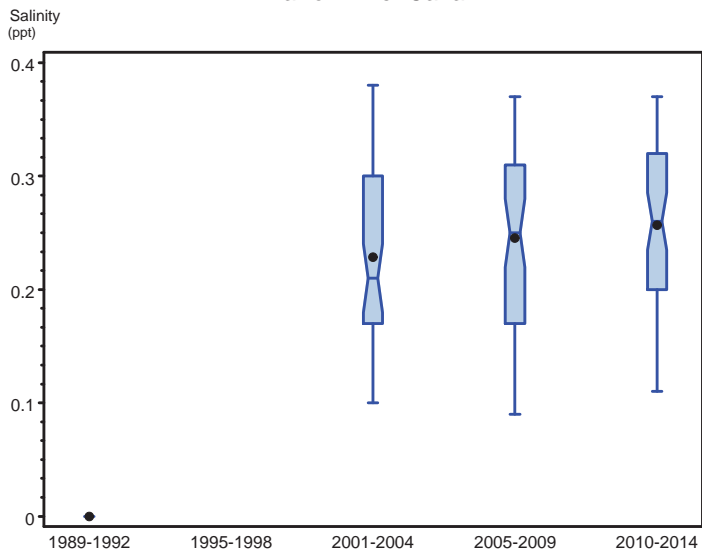
Tamiami Canal



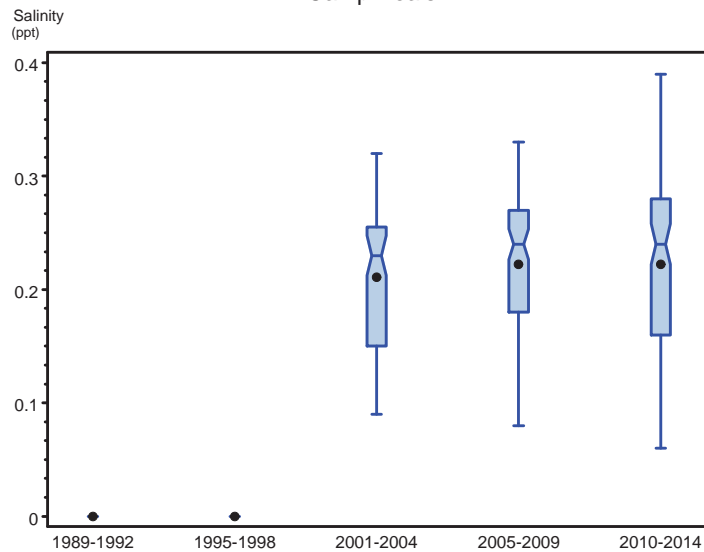
Ten Thousand Islands



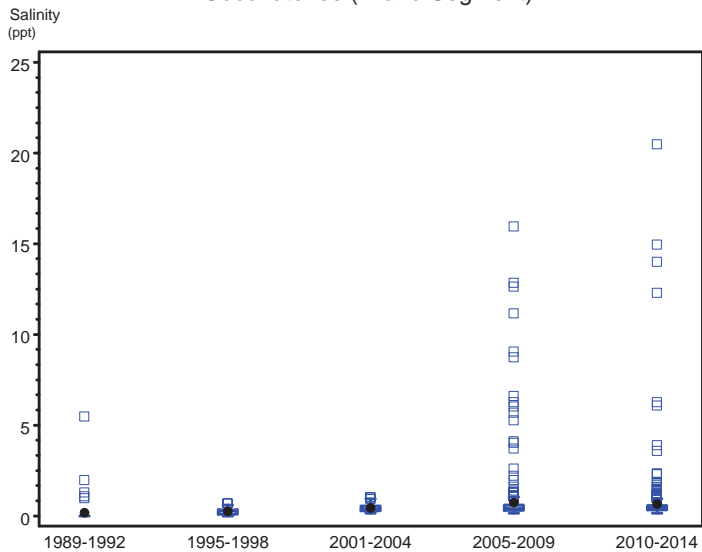
Barron River Canal



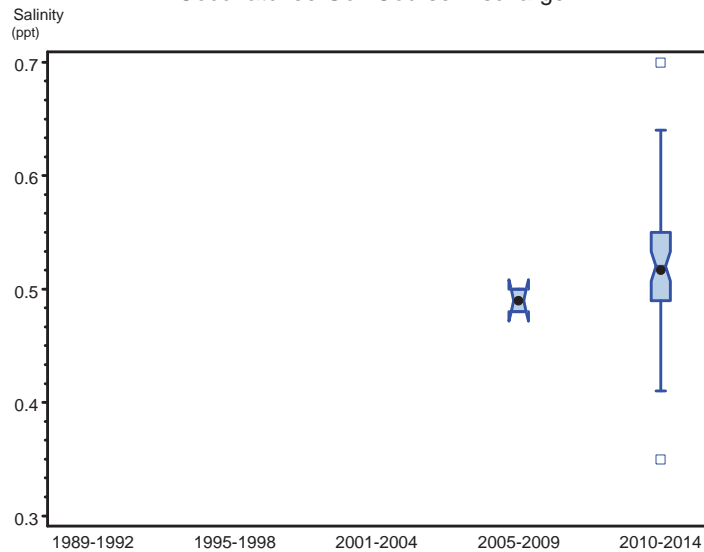
Camp Keais



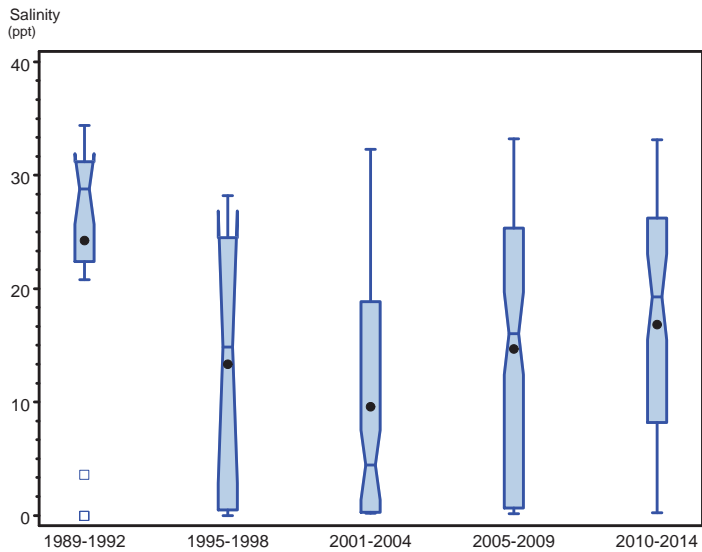
Cocohatchee (Inland Segment)



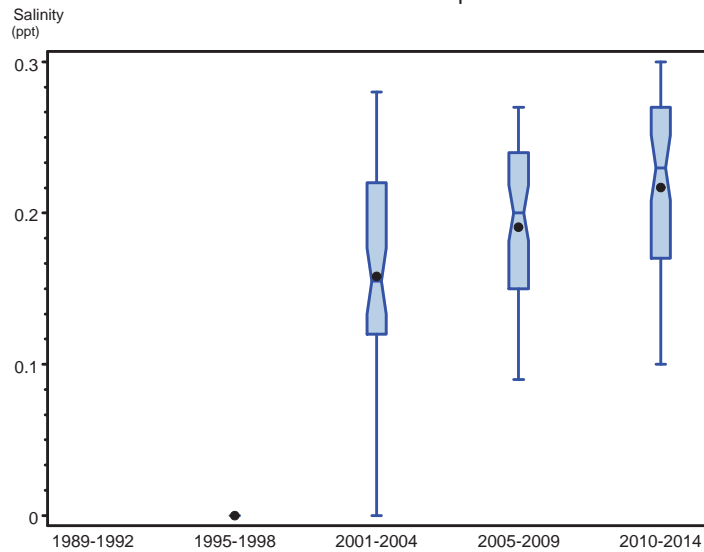
Cocohatchee Golf Course Discharge



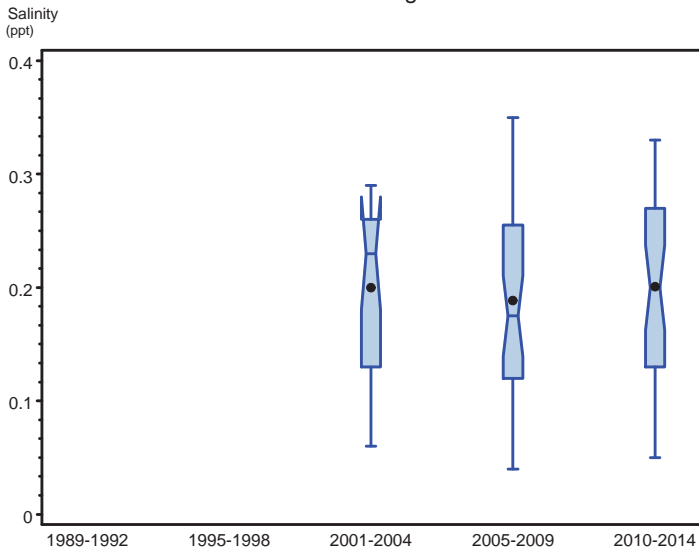
Cocohatchee River



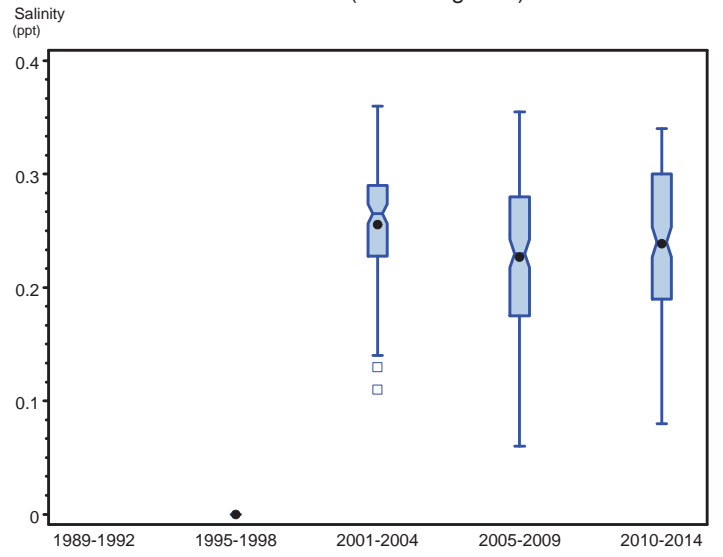
Corkscrew Swamp



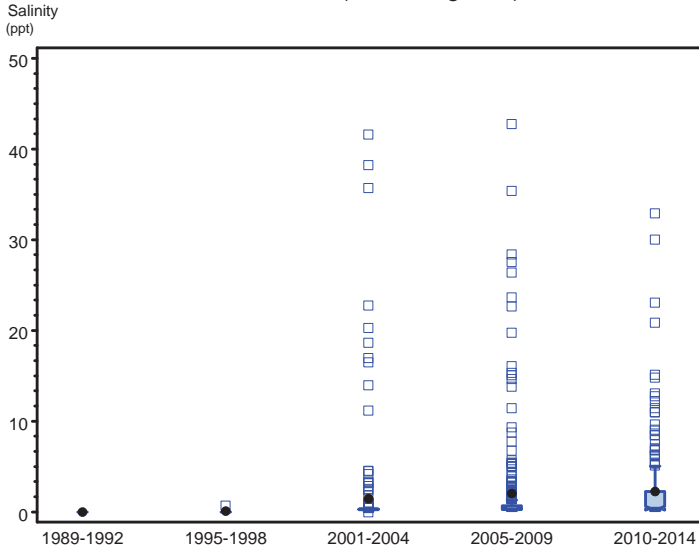
Cow Slough



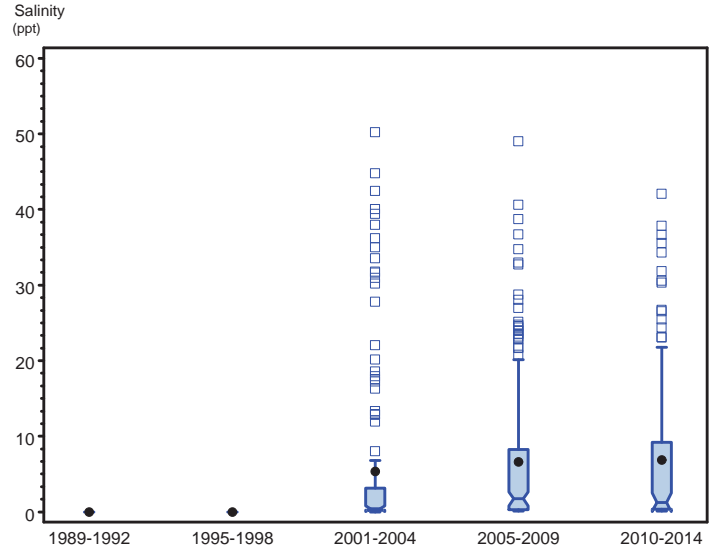
Faka Union (North Segment)



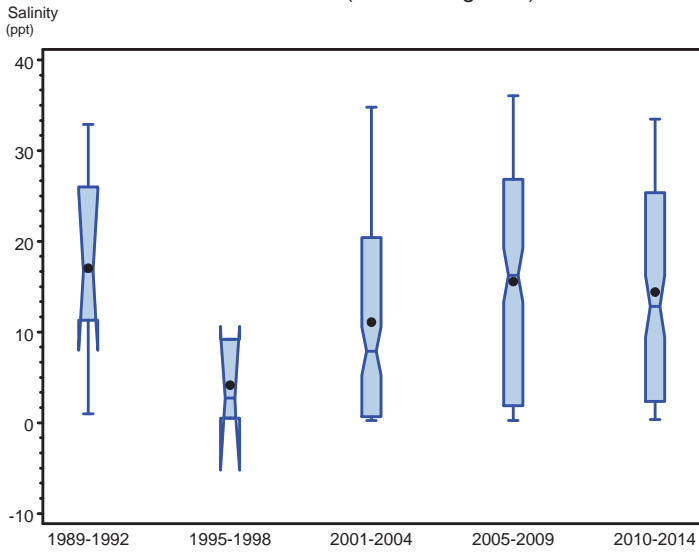
Faka Union (South Segment)



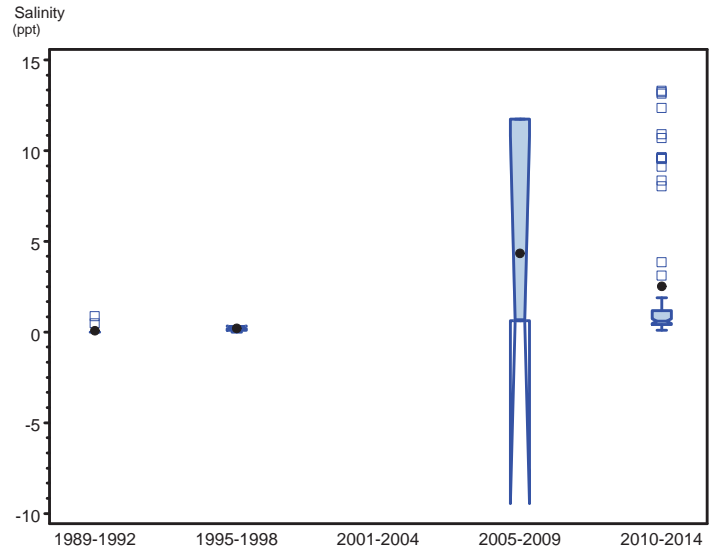
Fakahatchee Strand



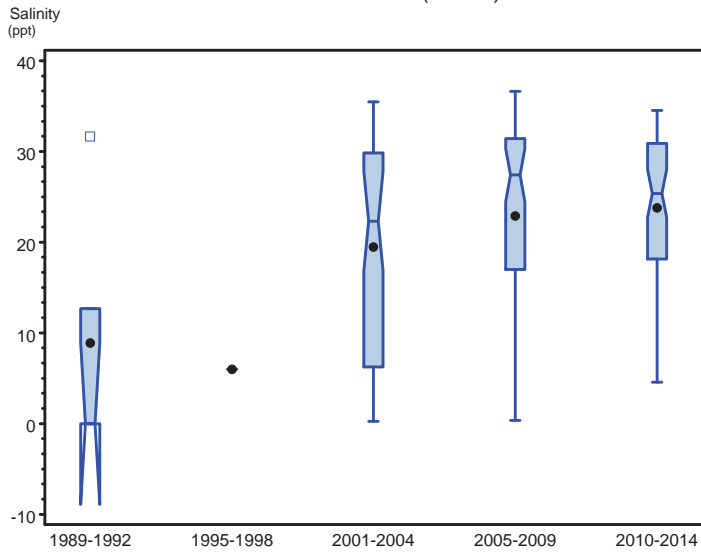
Gordon River (Marine Segment)



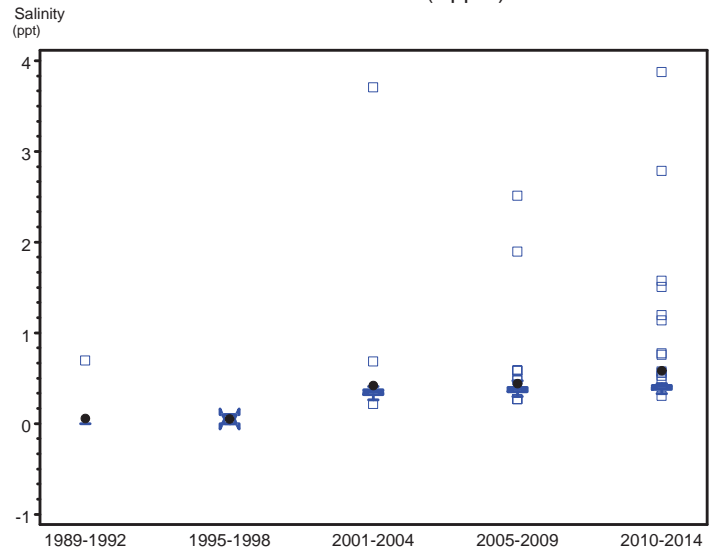
Gordon River Extension



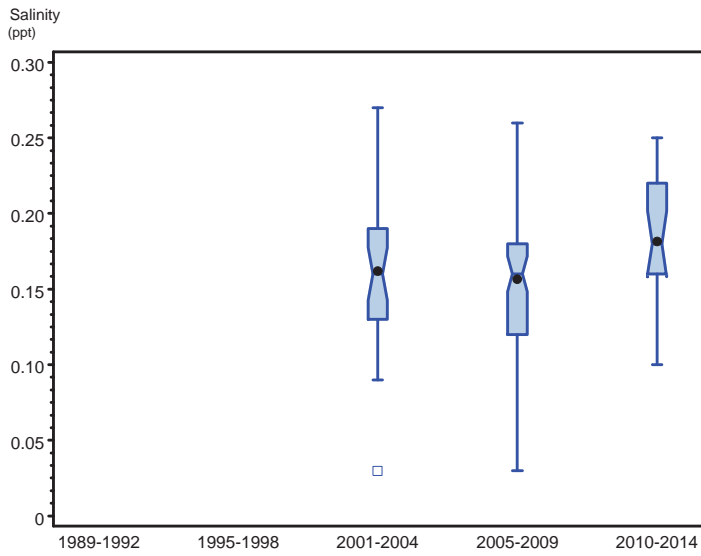
Haldeman Creek (Lower)



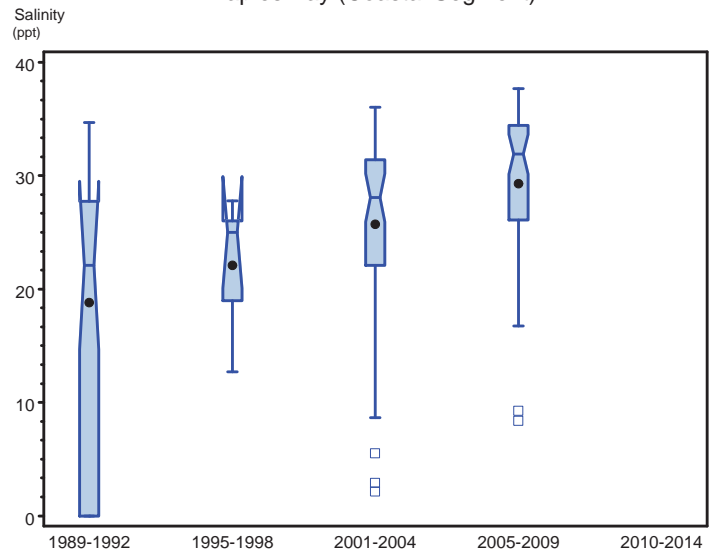
Haldeman Creek (Upper)



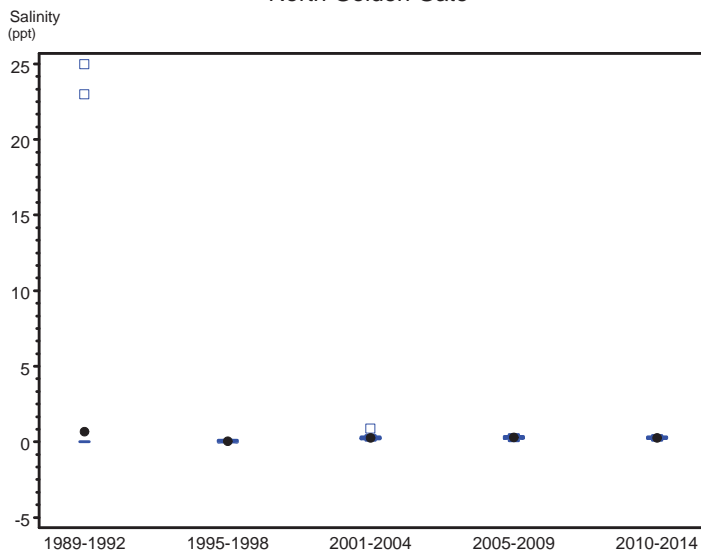
Immokalee Basin



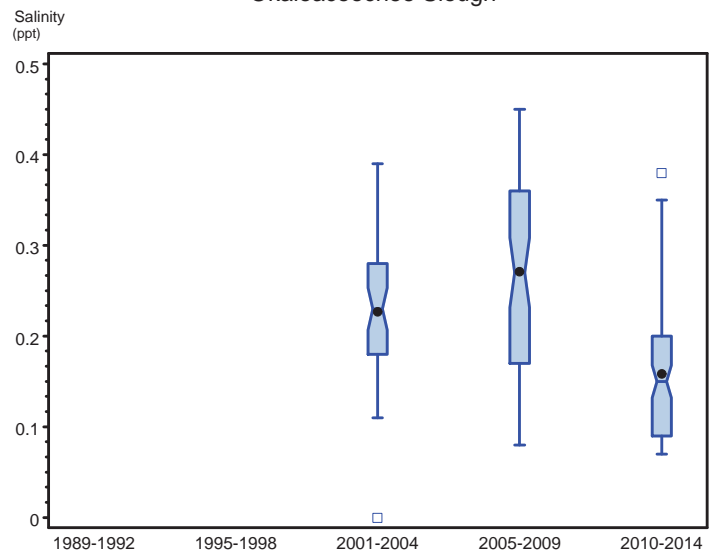
Naples Bay (Coastal Segment)



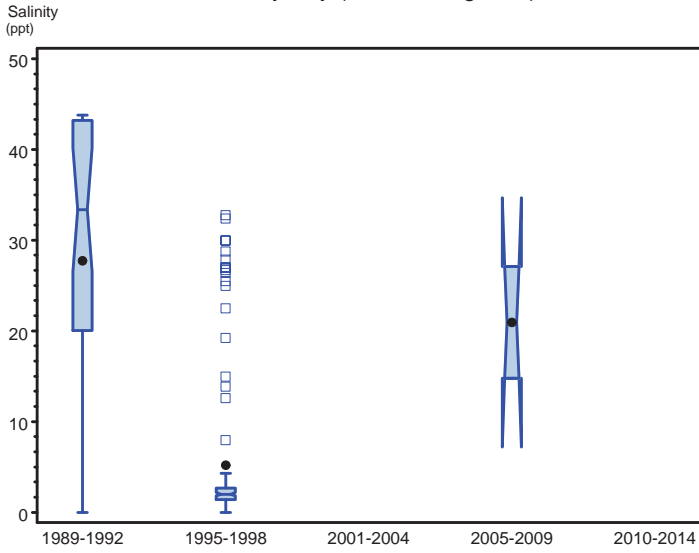
North Golden Gate



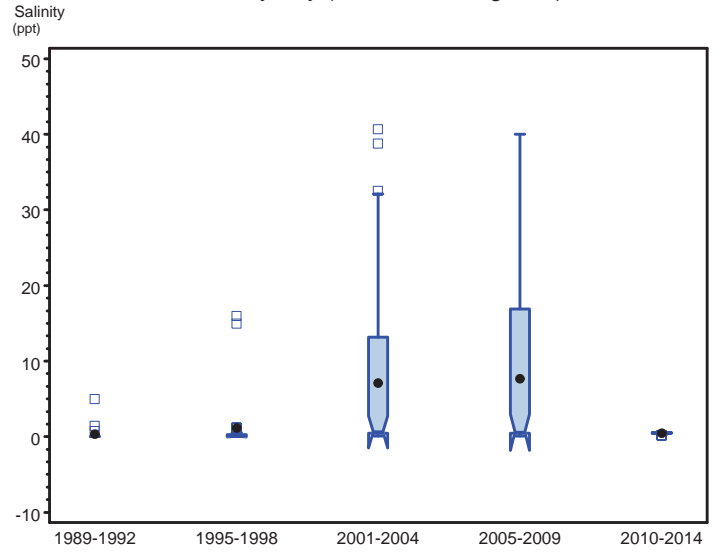
Okaloacoochee Slough



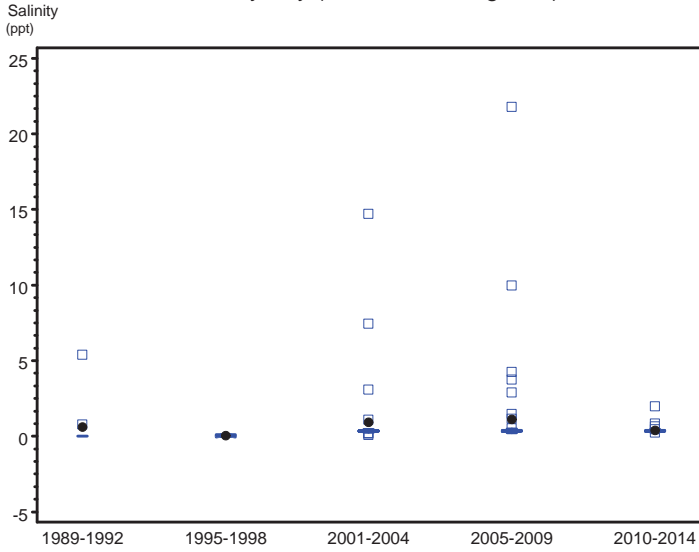
Rookery Bay (Coastal Segment)



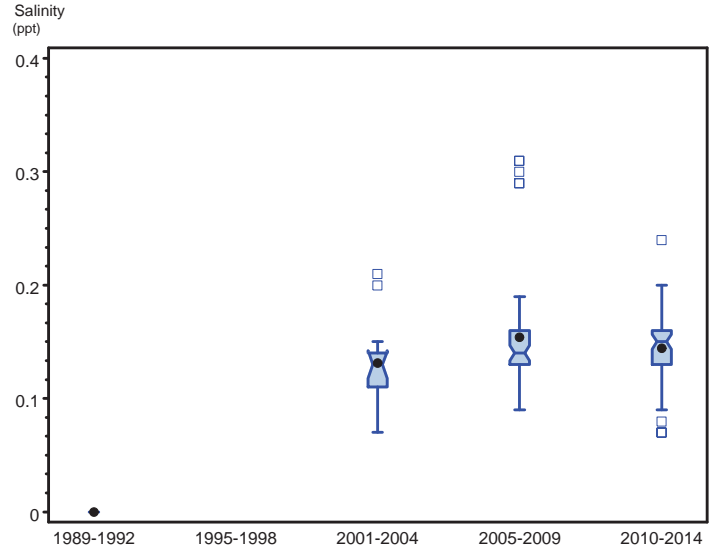
Rookery Bay (Inland East Segment)



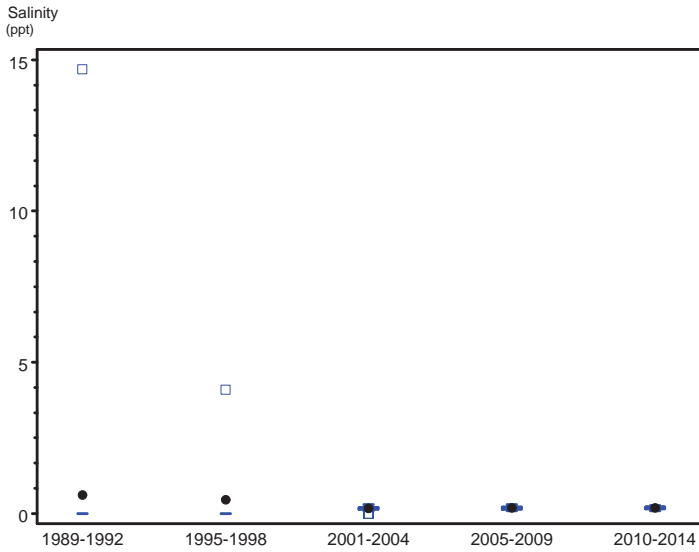
Rookery Bay (Inland West Segment)



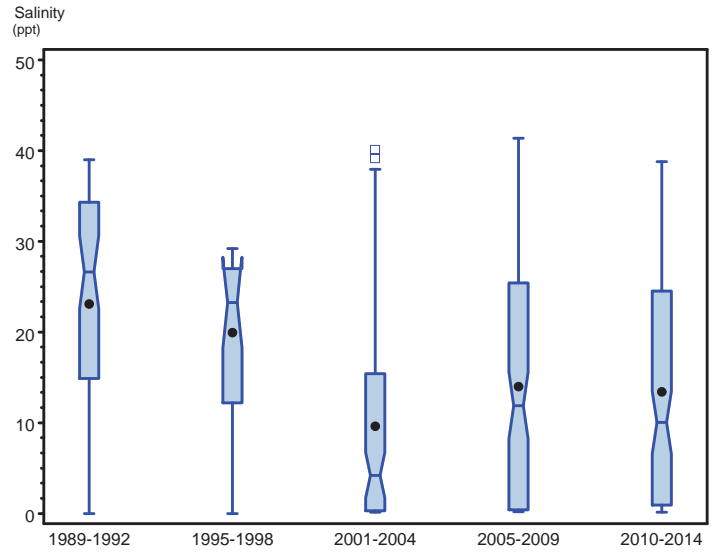
Silver Strand



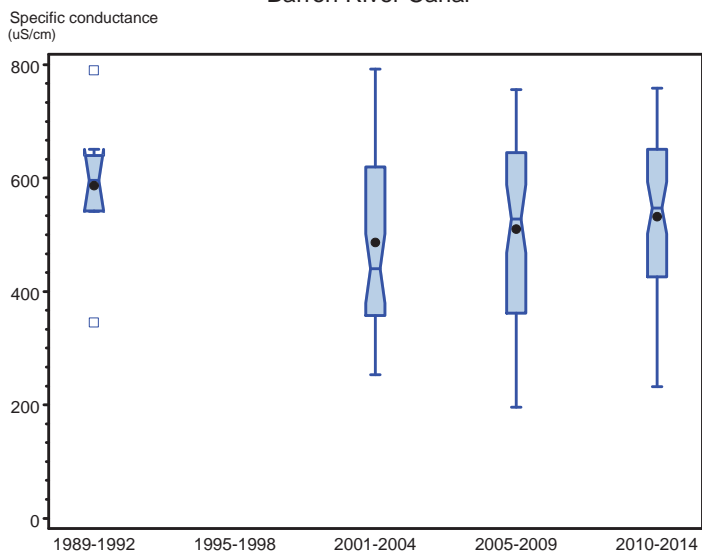
Tamiami Canal



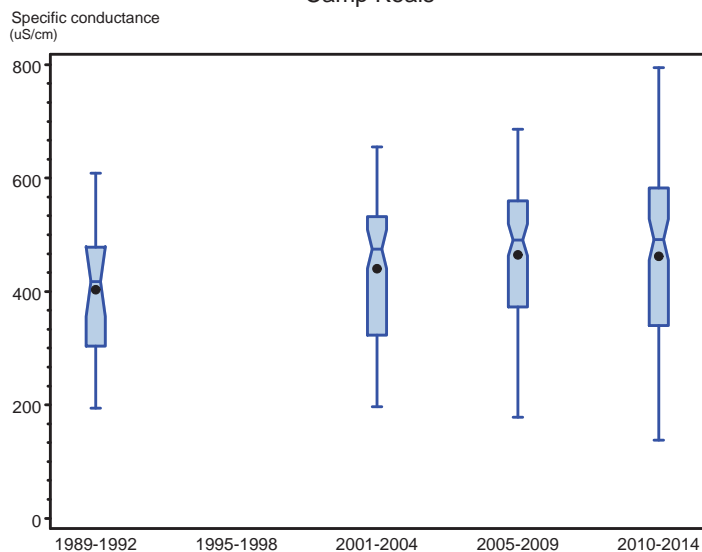
Ten Thousand Islands



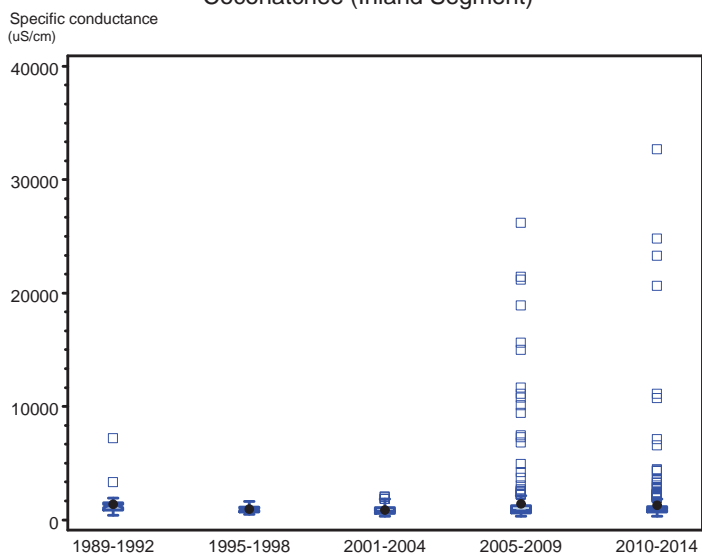
Barron River Canal



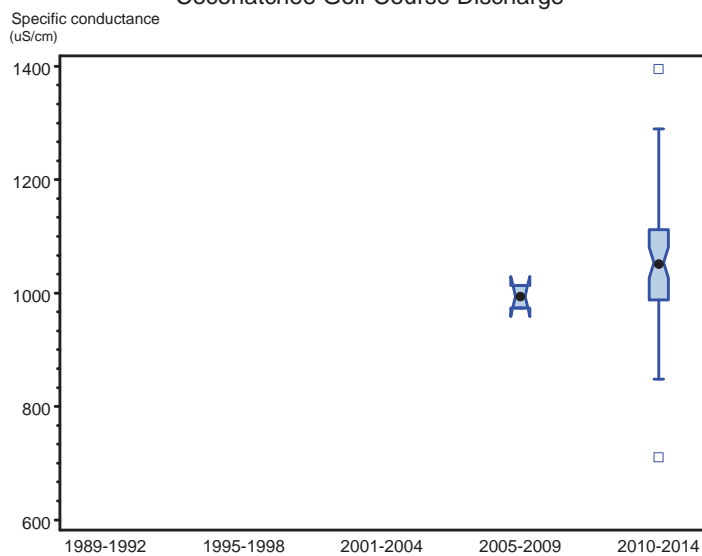
Camp Keais



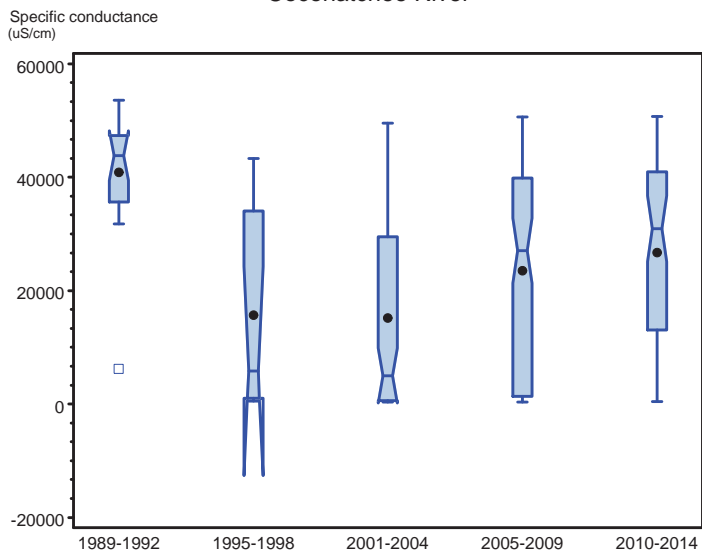
Cocohatchee (Inland Segment)



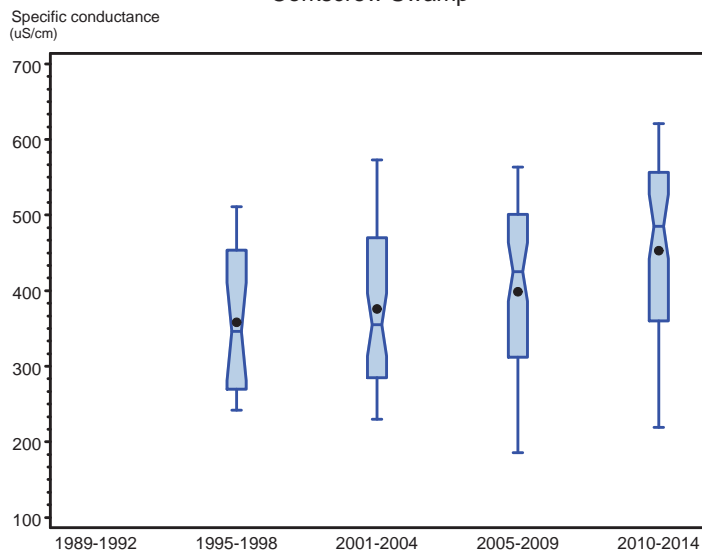
Cocohatchee Golf Course Discharge



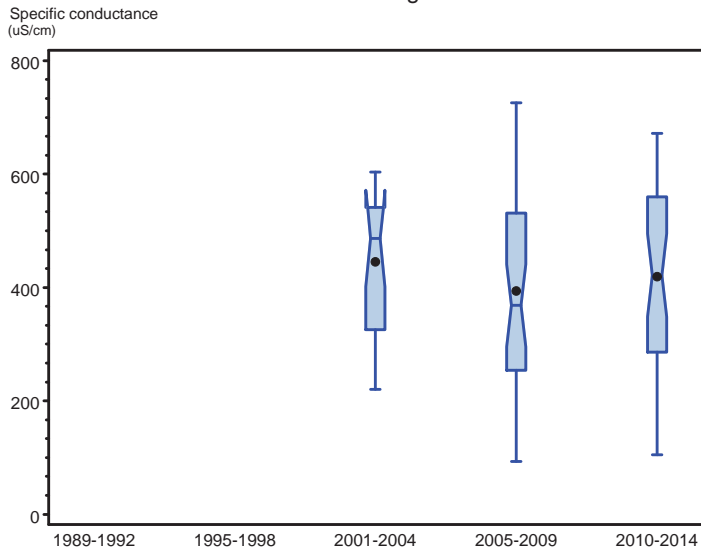
Cocohatchee River



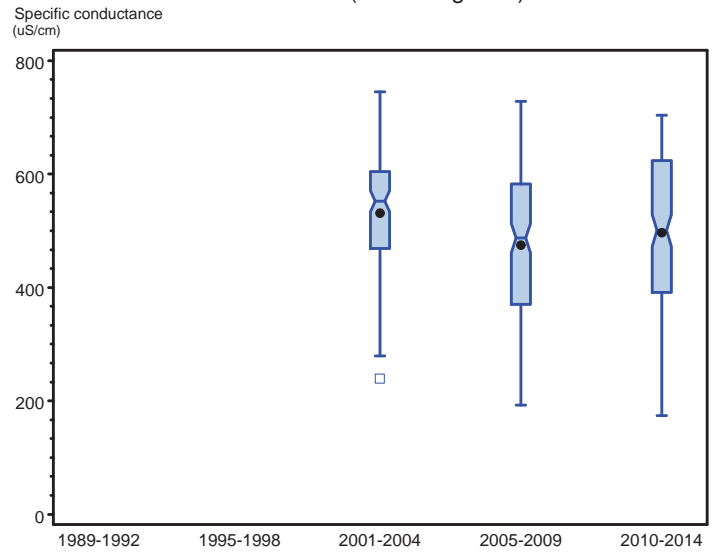
Corkscrew Swamp



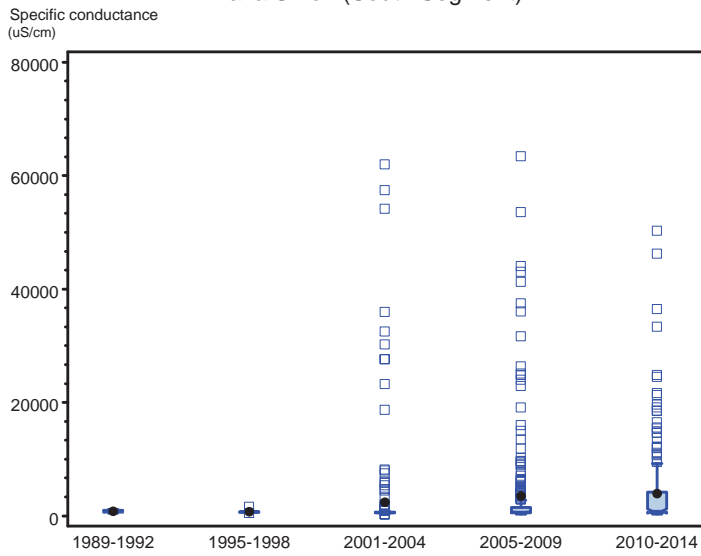
Cow Slough



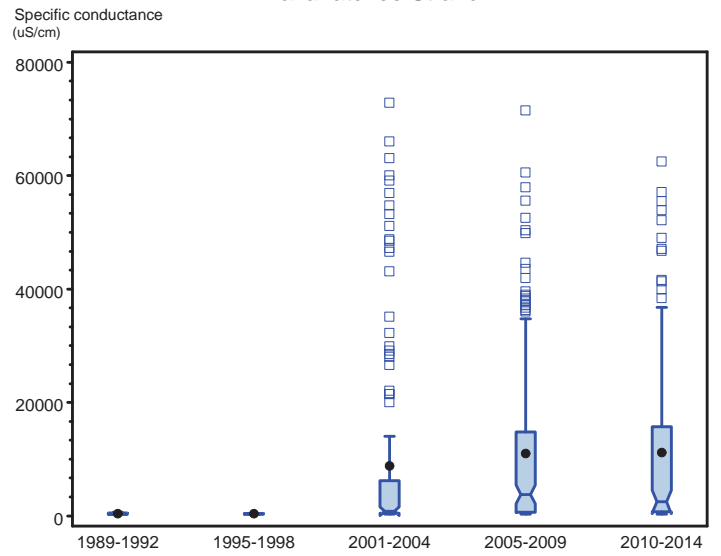
Faka Union (North Segment)



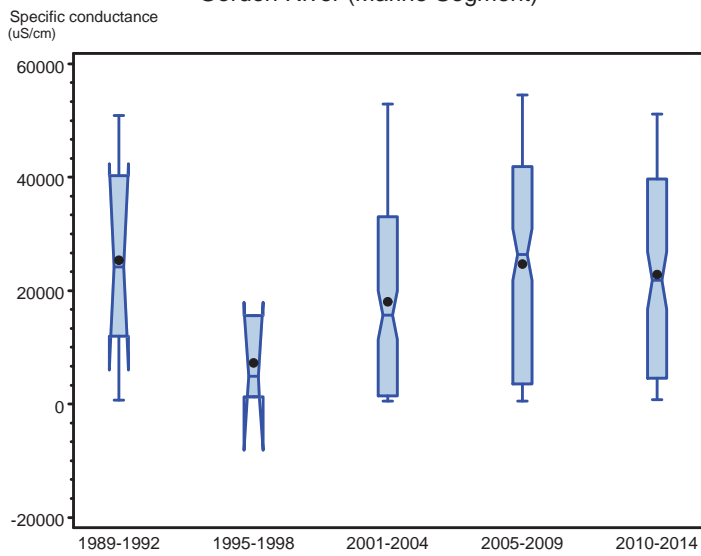
Faka Union (South Segment)



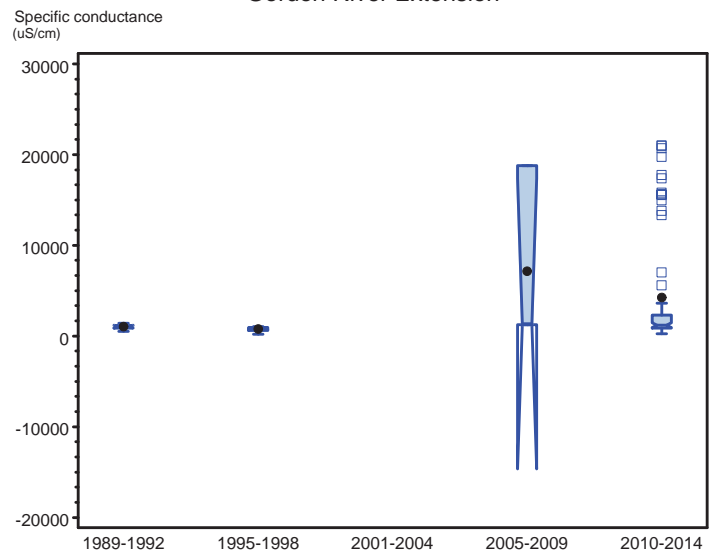
Fakahatchee Strand



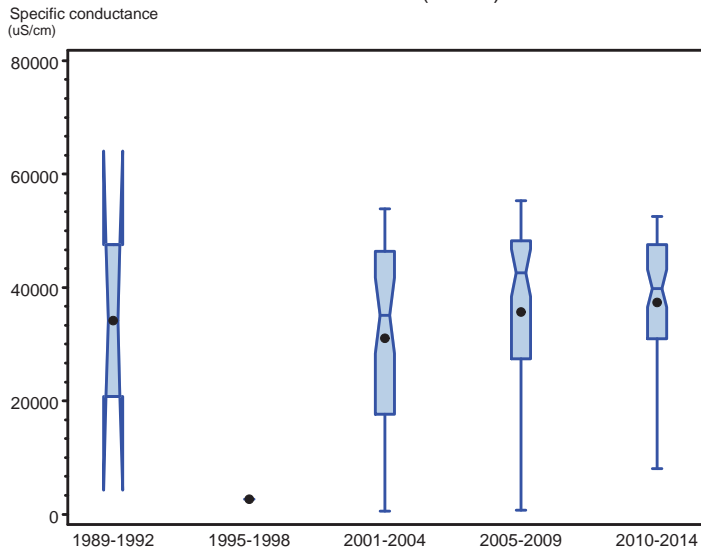
Gordon River (Marine Segment)



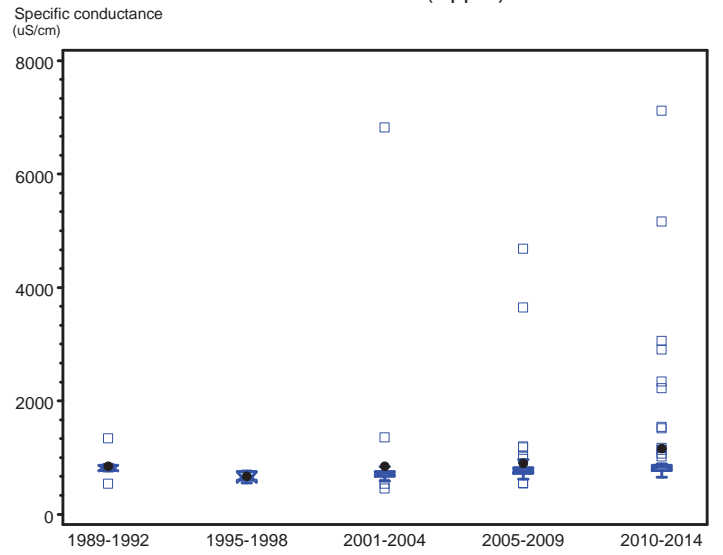
Gordon River Extension



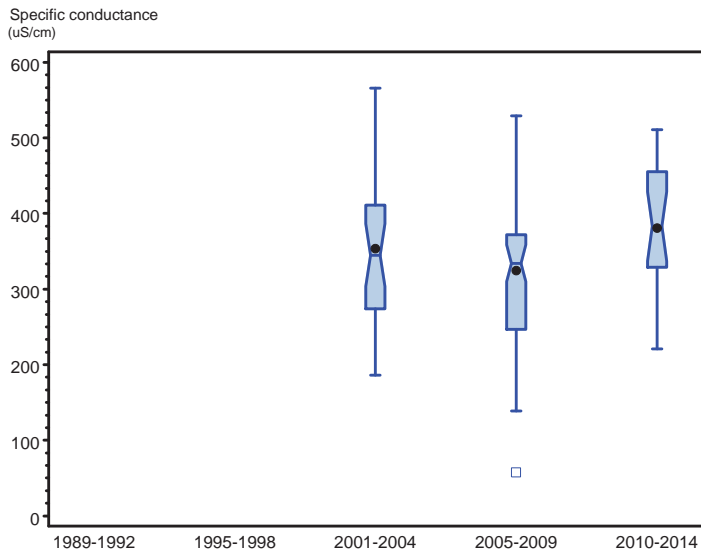
Haldeman Creek (Lower)



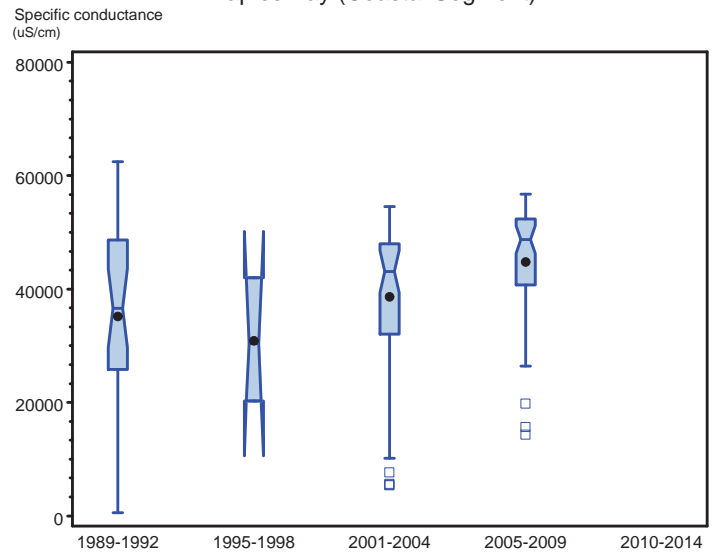
Haldeman Creek (Upper)



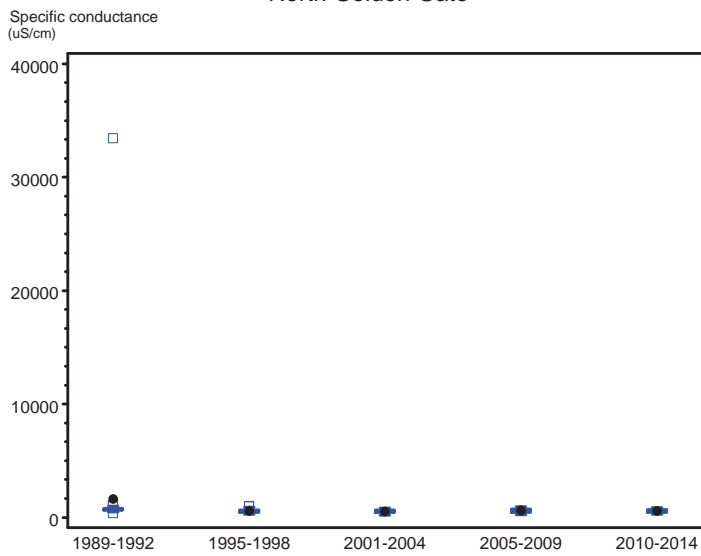
Immokalee Basin



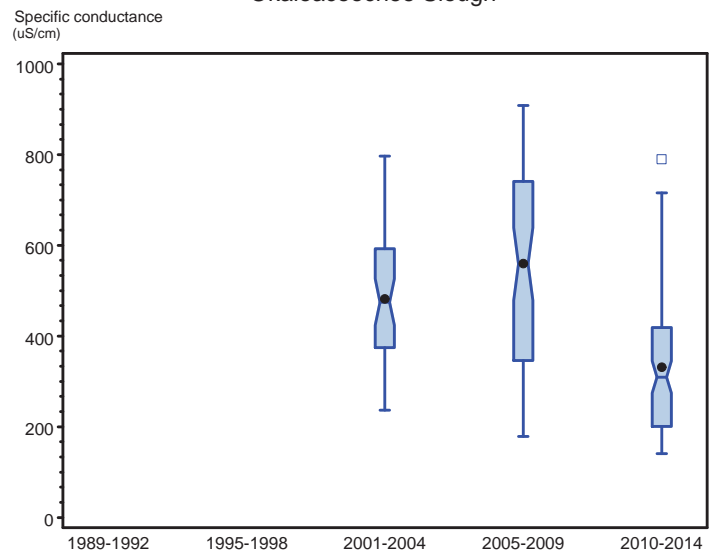
Naples Bay (Coastal Segment)



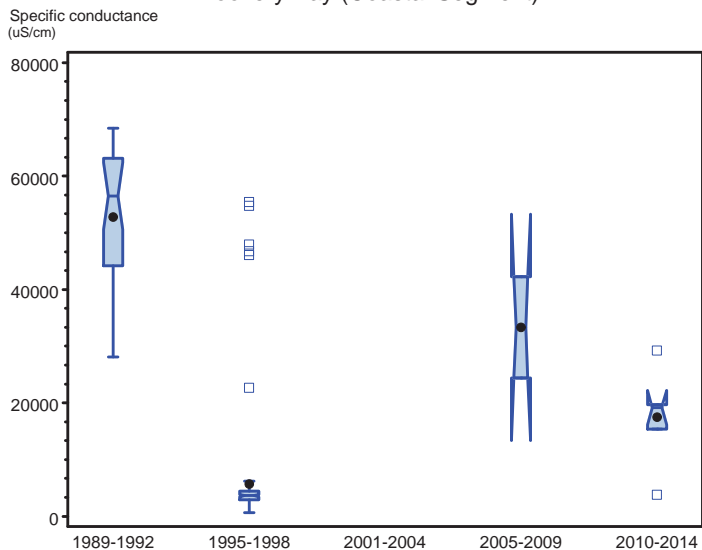
North Golden Gate



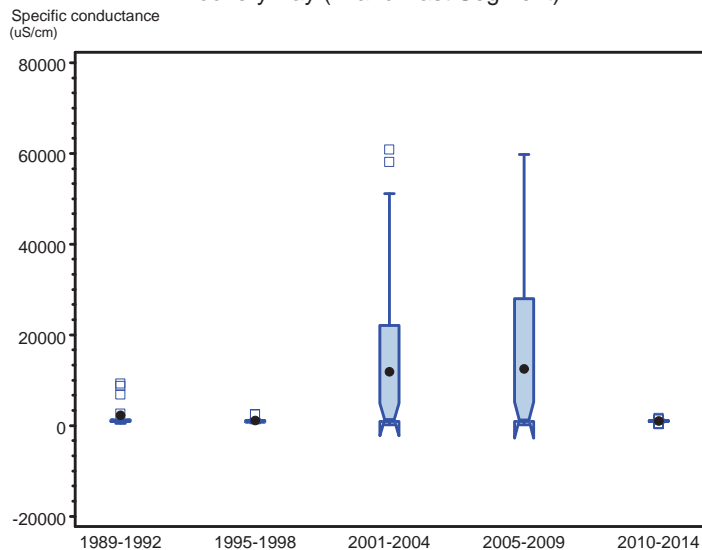
Okaloacoochee Slough



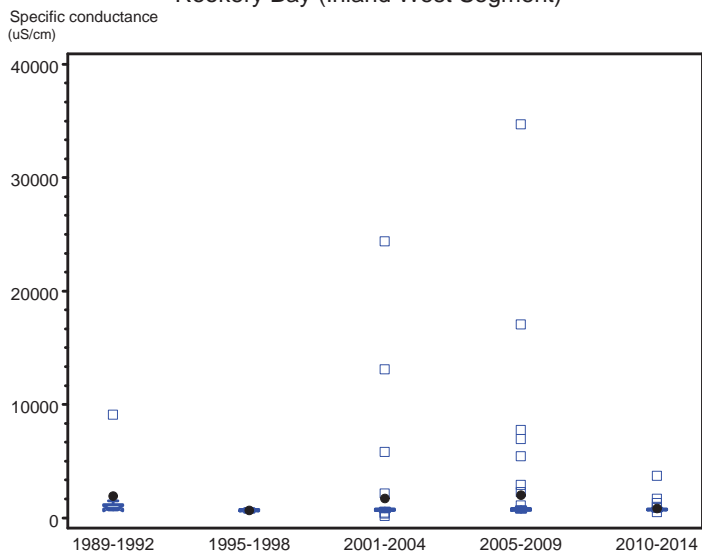
Rookery Bay (Coastal Segment)



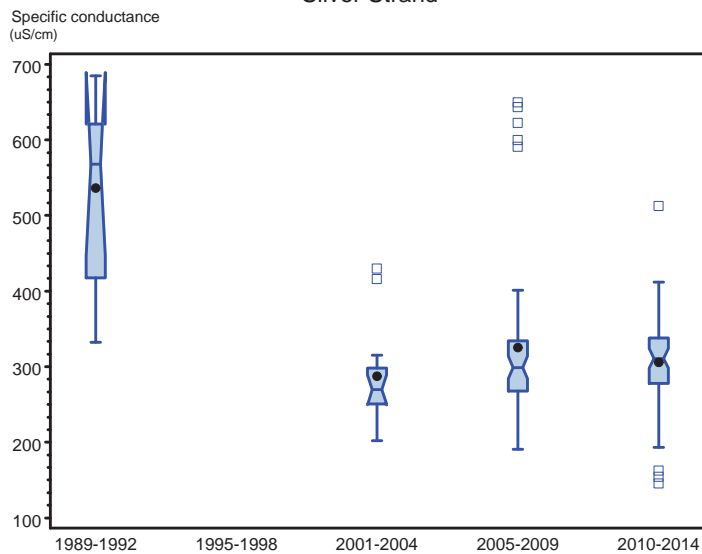
Rookery Bay (Inland East Segment)



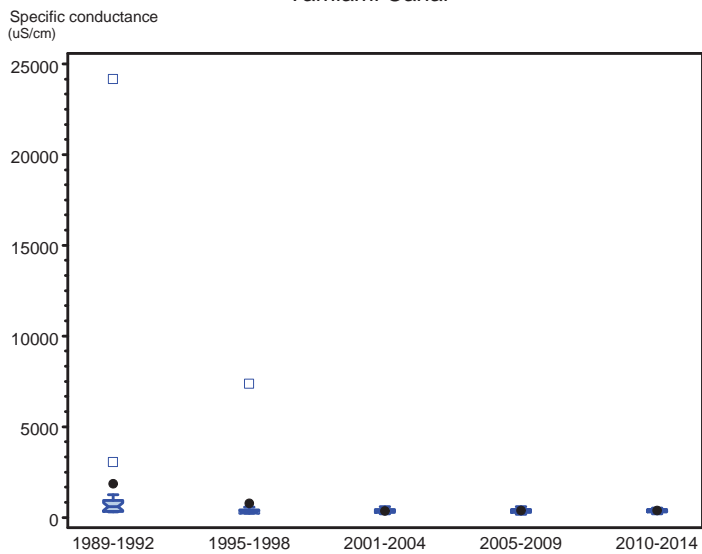
Rookery Bay (Inland West Segment)



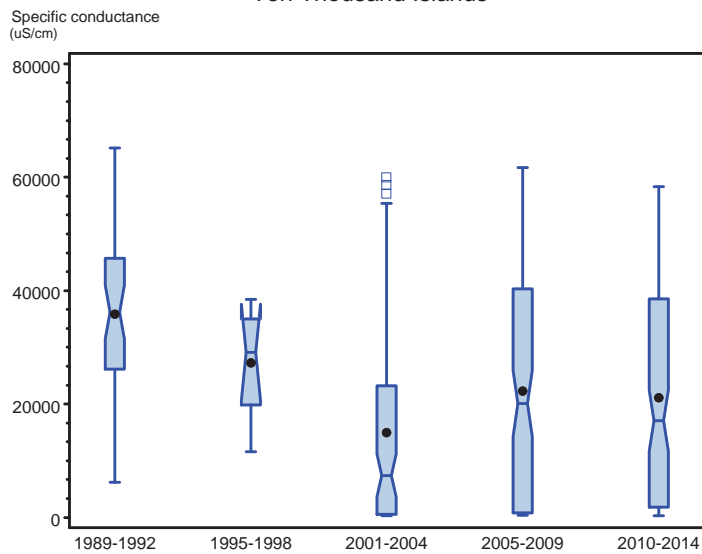
Silver Strand



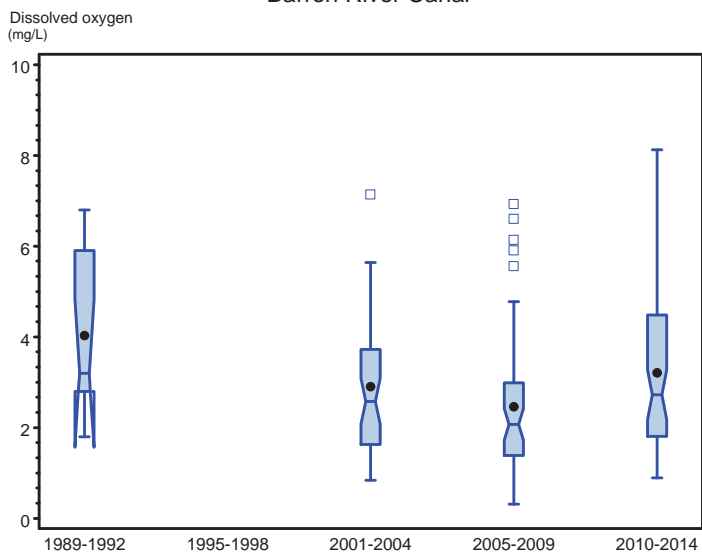
Tamiami Canal



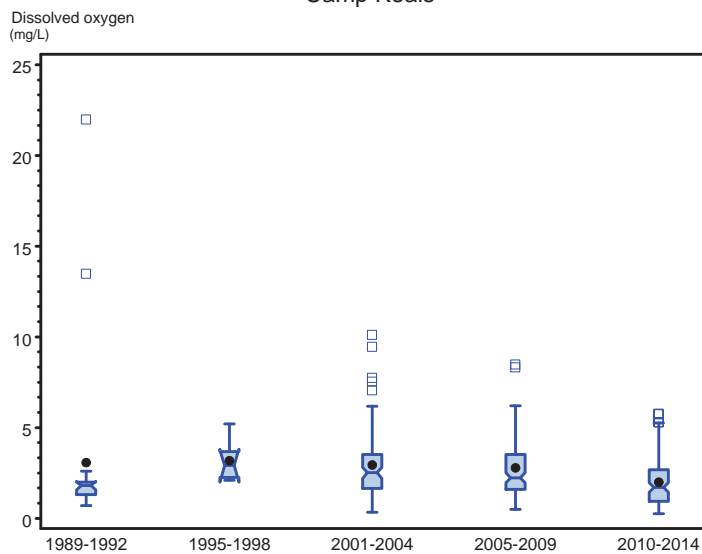
Ten Thousand Islands



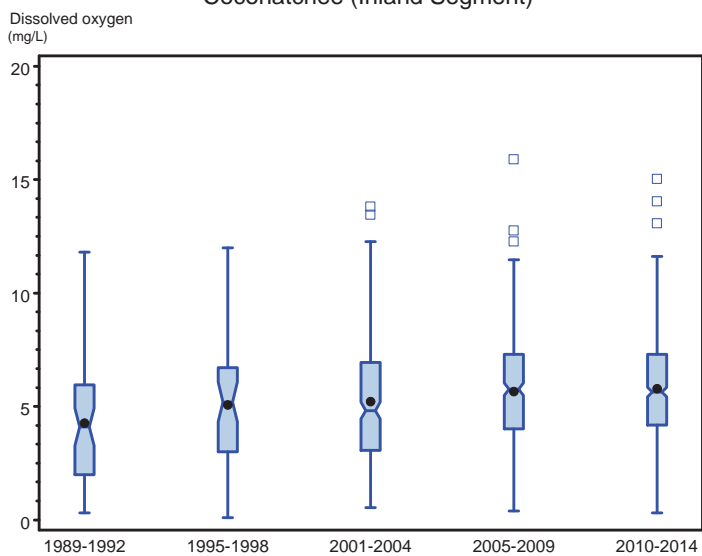
Barron River Canal



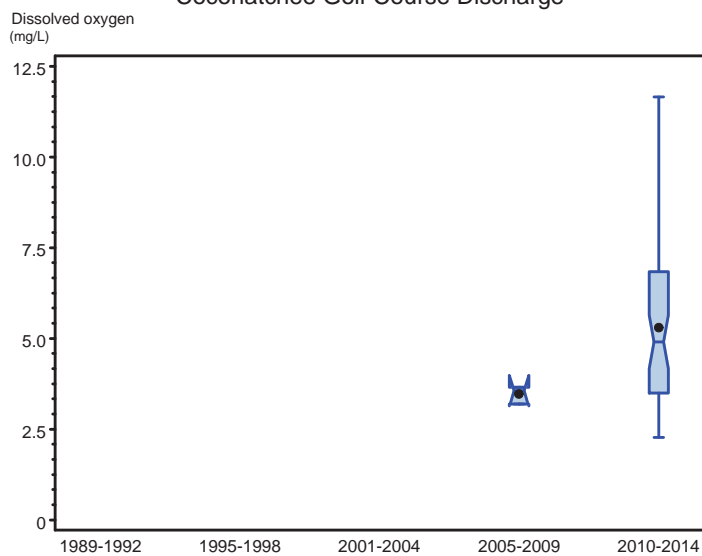
Camp Keais



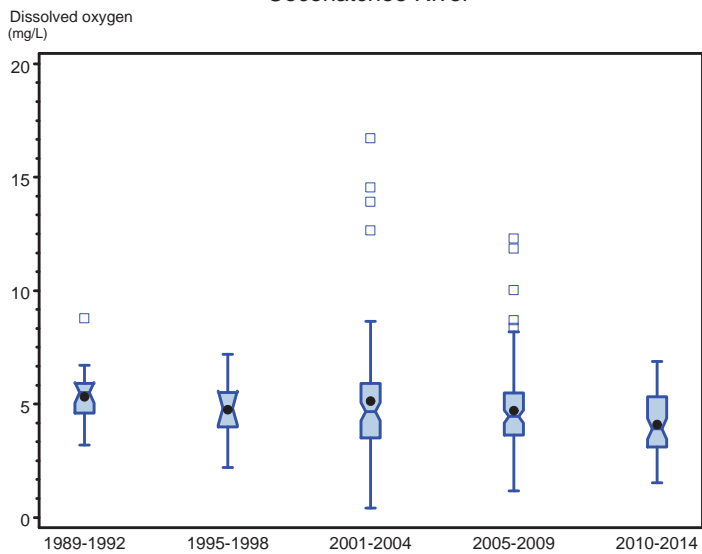
Cocohatchee (Inland Segment)



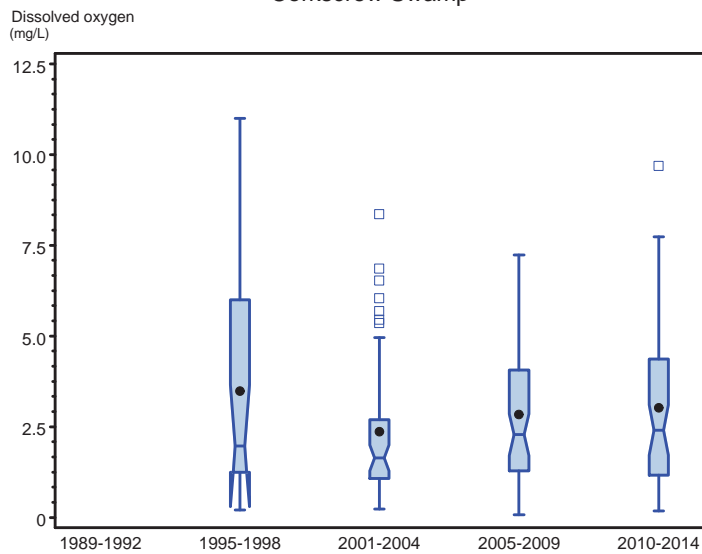
Cocohatchee Golf Course Discharge



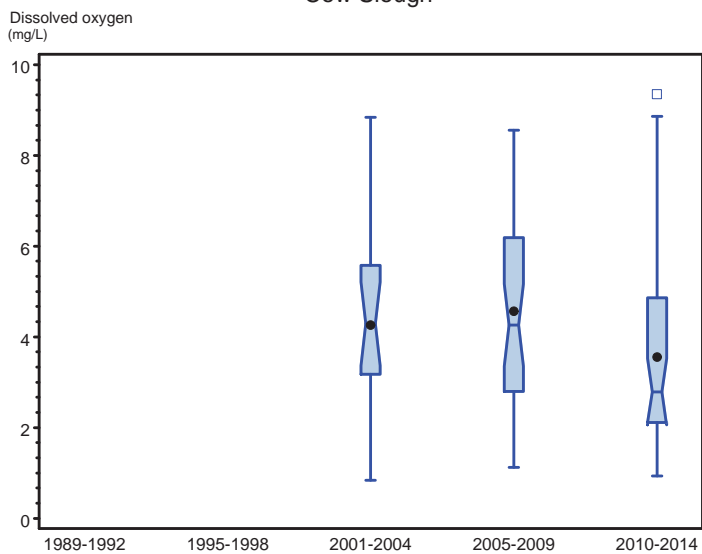
Cocohatchee River



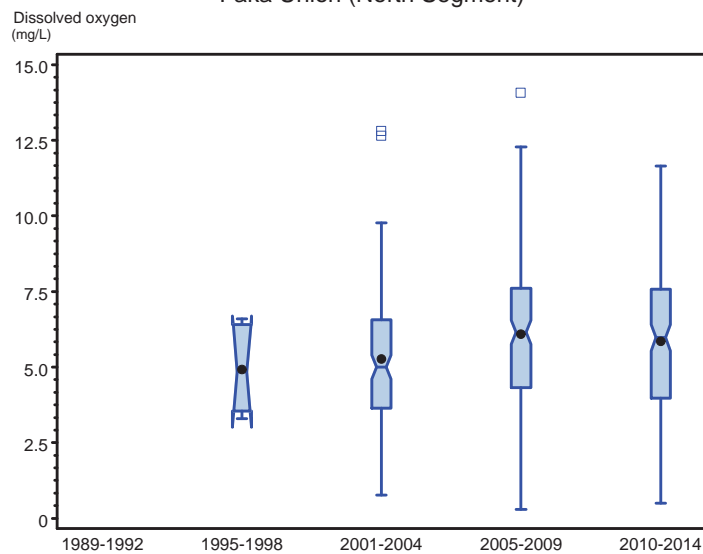
Corkscrew Swamp



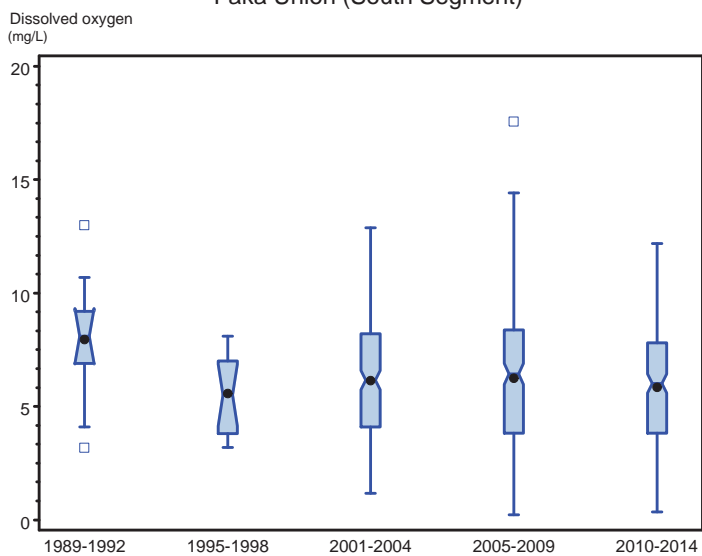
Cow Slough



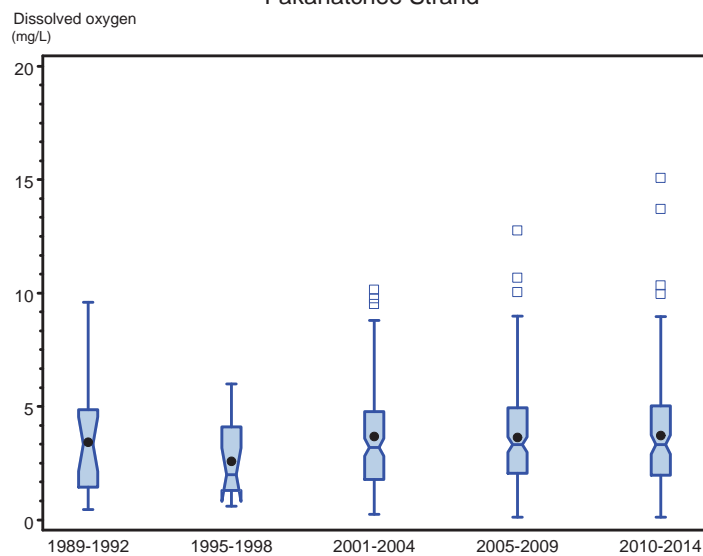
Faka Union (North Segment)



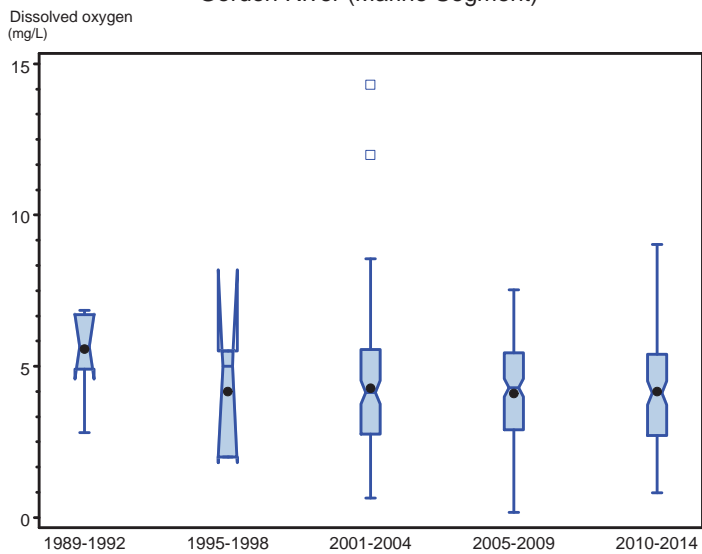
Faka Union (South Segment)



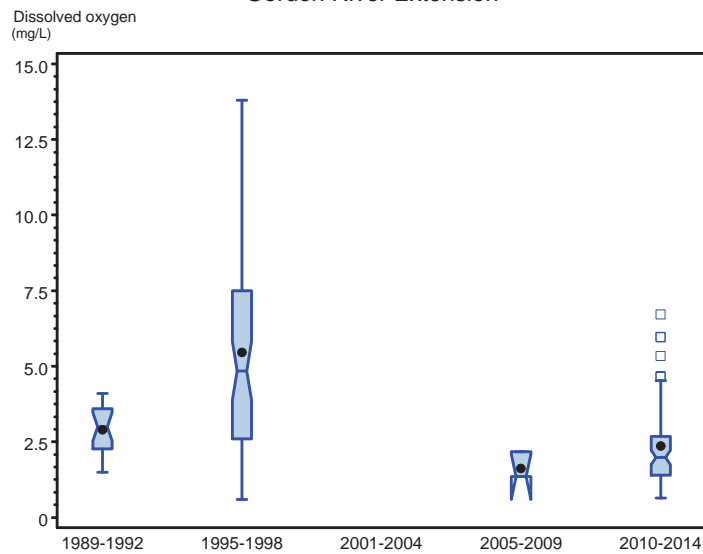
Fakahatchee Strand



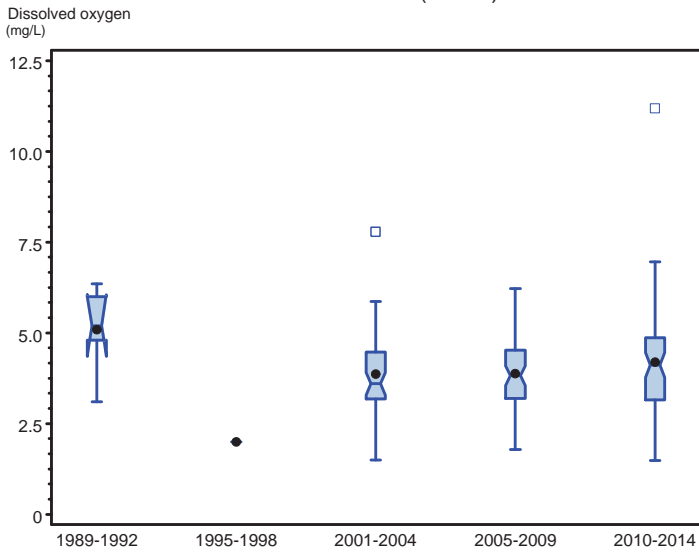
Gordon River (Marine Segment)



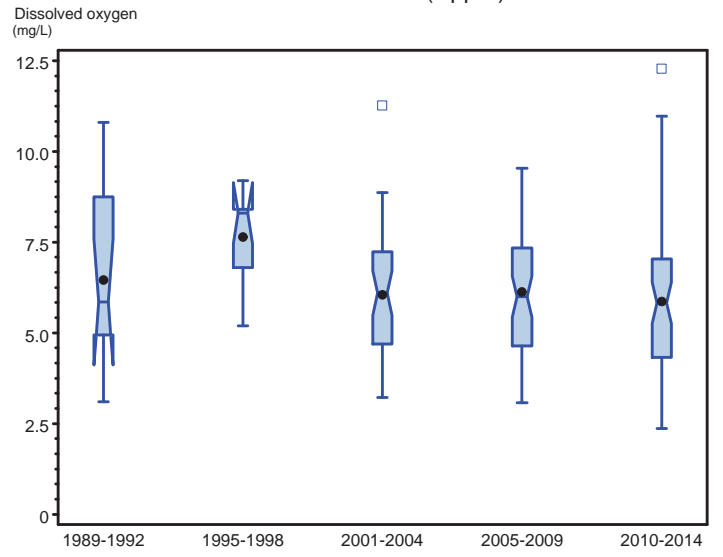
Gordon River Extension



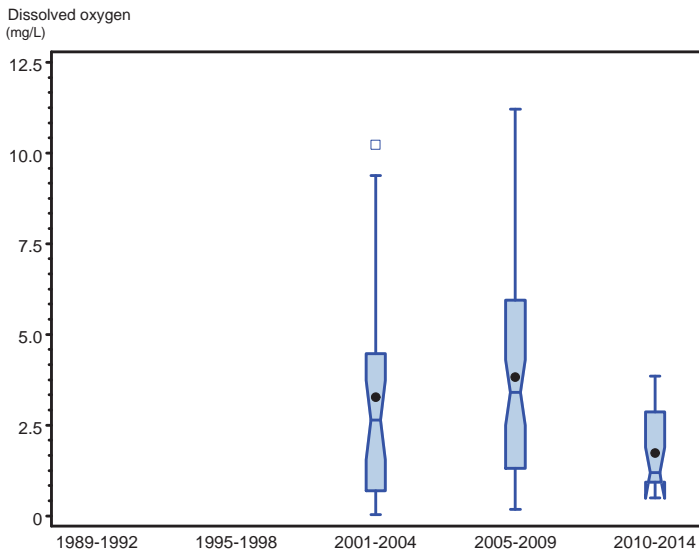
Haldeman Creek (Lower)



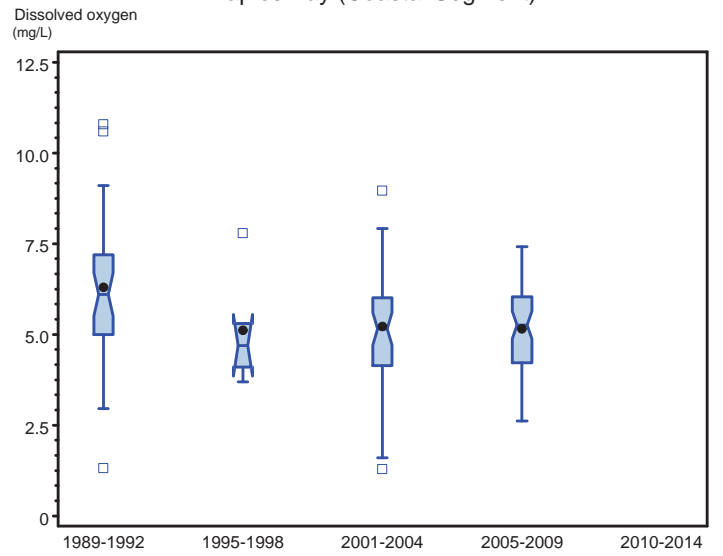
Haldeman Creek (Upper)



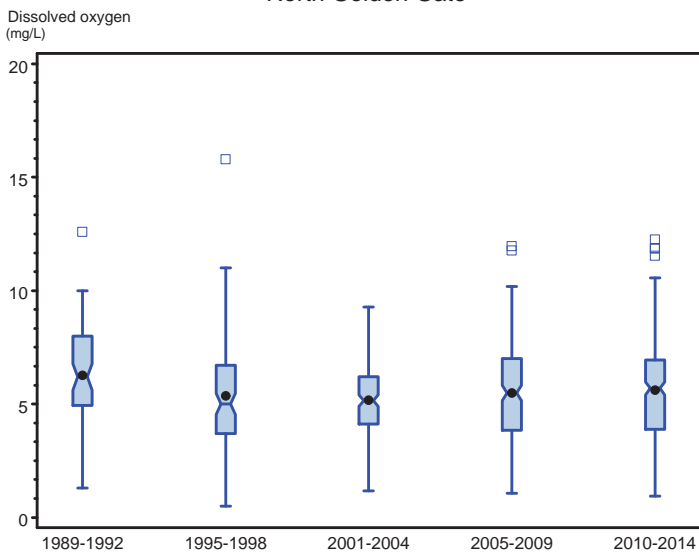
Immokalee Basin



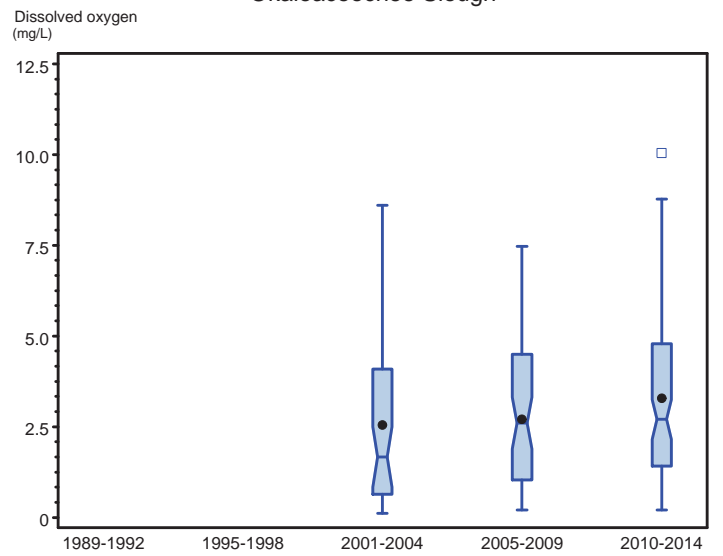
Naples Bay (Coastal Segment)



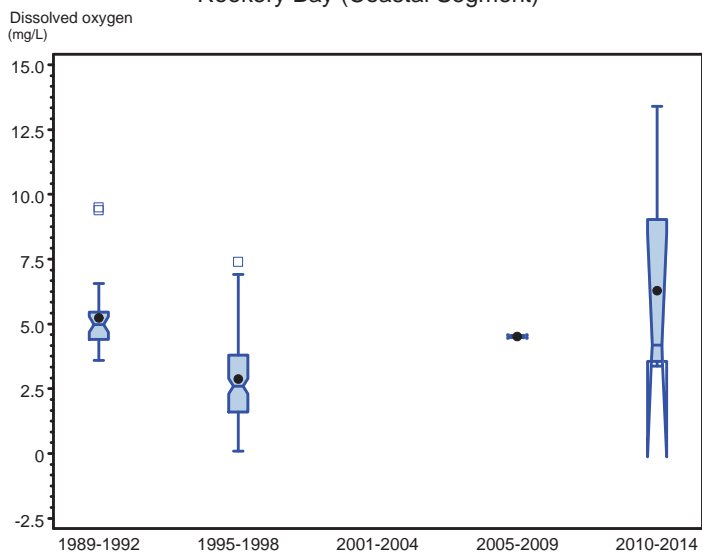
North Golden Gate



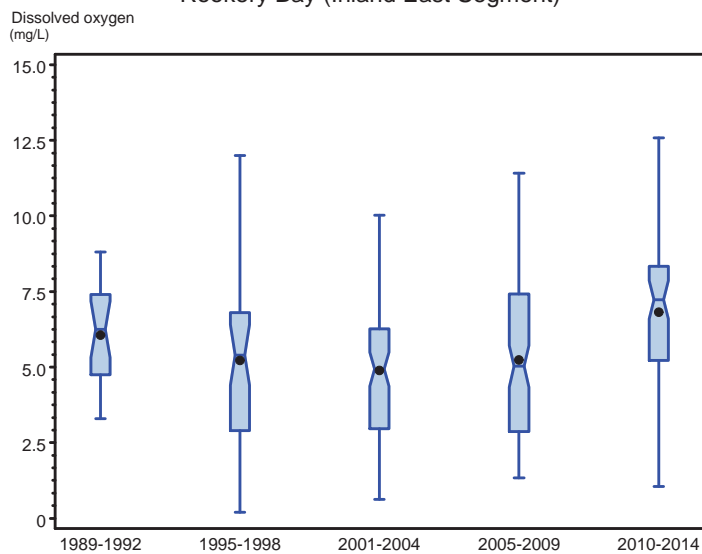
Okaloacoochee Slough



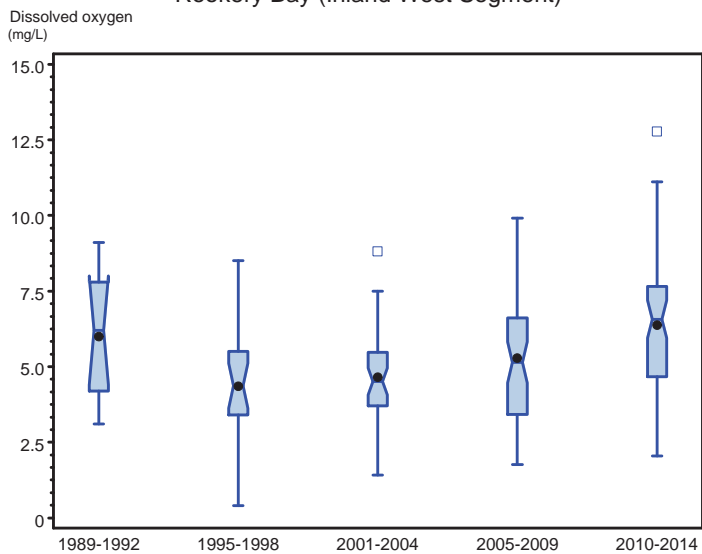
Rookery Bay (Coastal Segment)



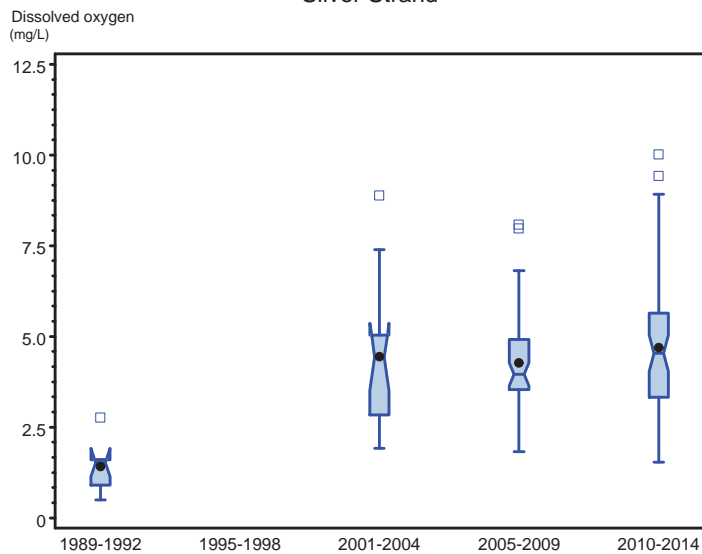
Rookery Bay (Inland East Segment)



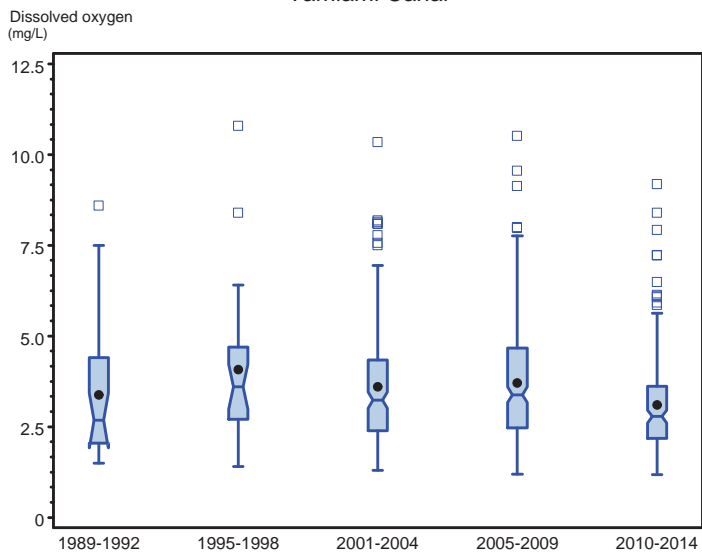
Rookery Bay (Inland West Segment)



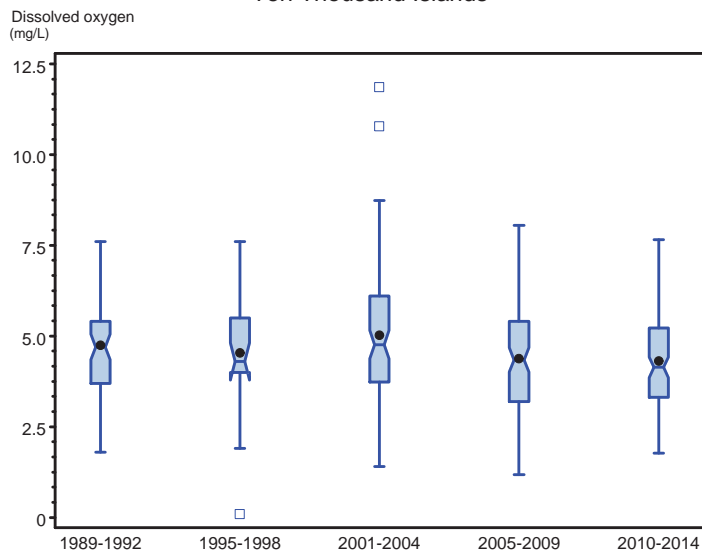
Silver Strand



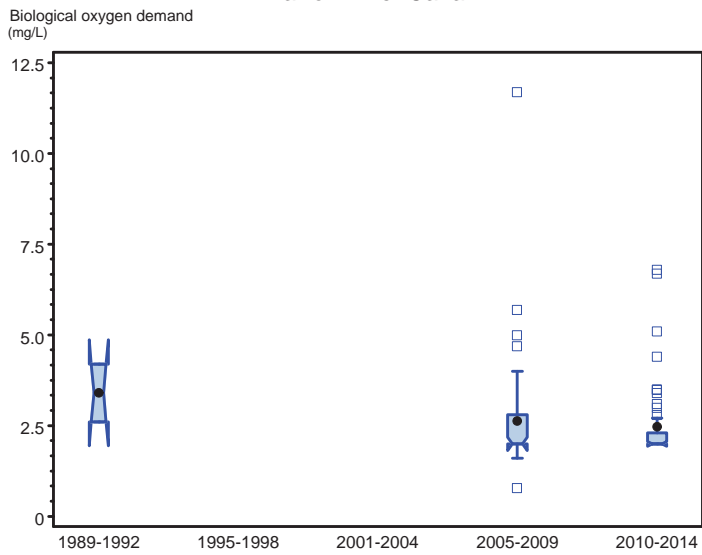
Tamiami Canal



Ten Thousand Islands



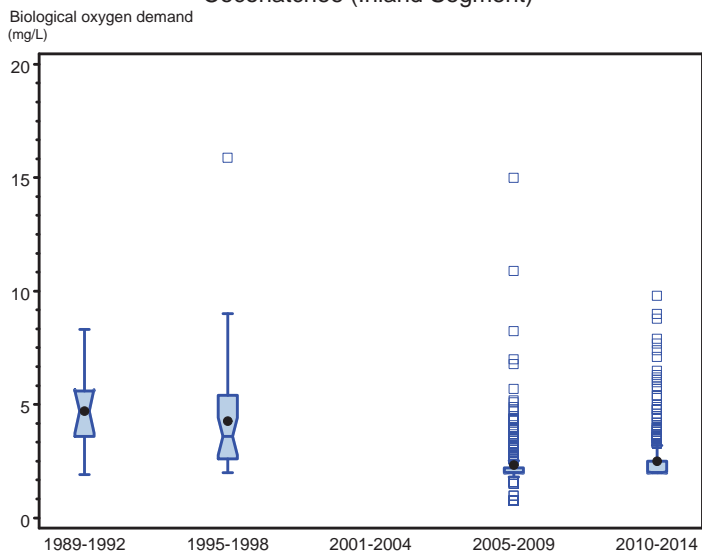
Barron River Canal



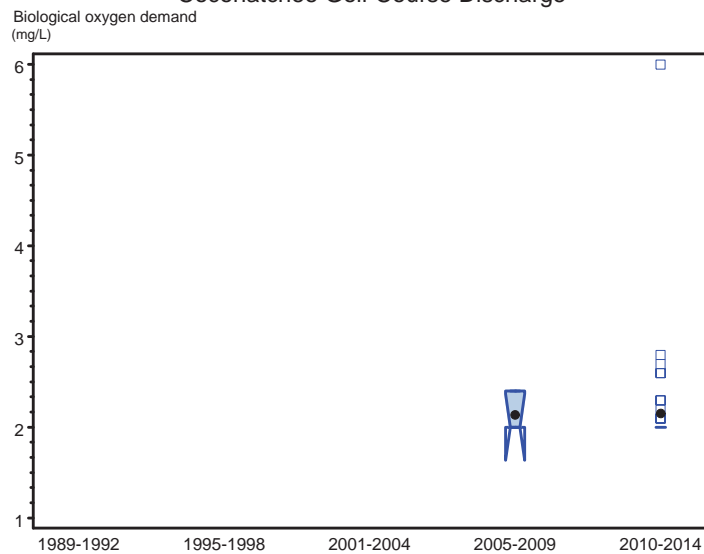
Camp Keais



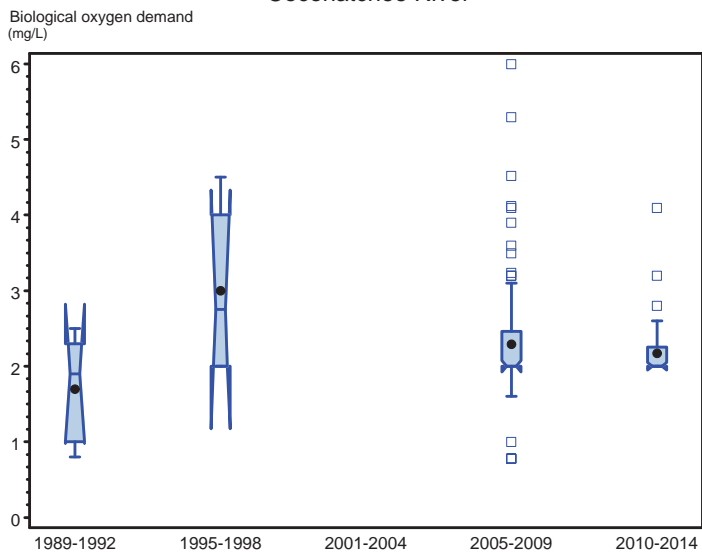
Cocohatchee (Inland Segment)



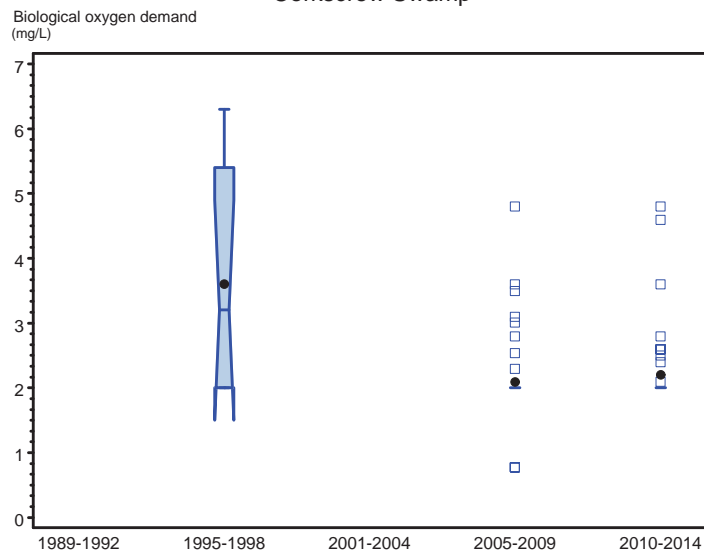
Cocohatchee Golf Course Discharge



Cocohatchee River

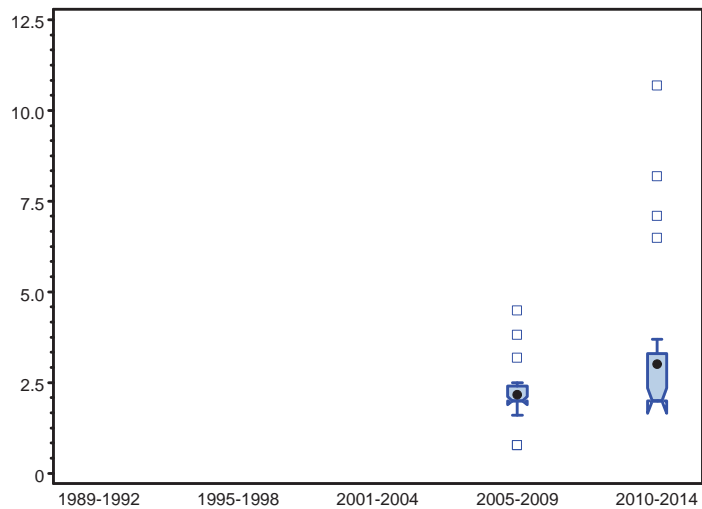


Corkscrew Swamp



Cow Slough

Biological oxygen demand (mg/L)



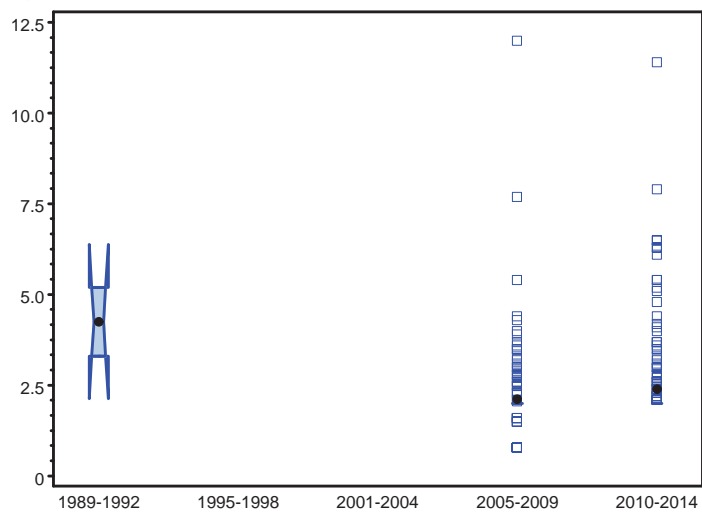
Faka Union (North Segment)

Biological oxygen demand (mg/L)



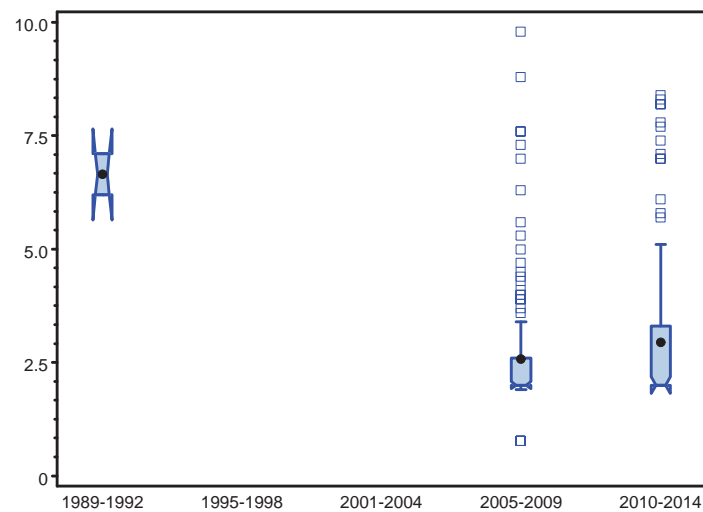
Faka Union (South Segment)

Biological oxygen demand (mg/L)



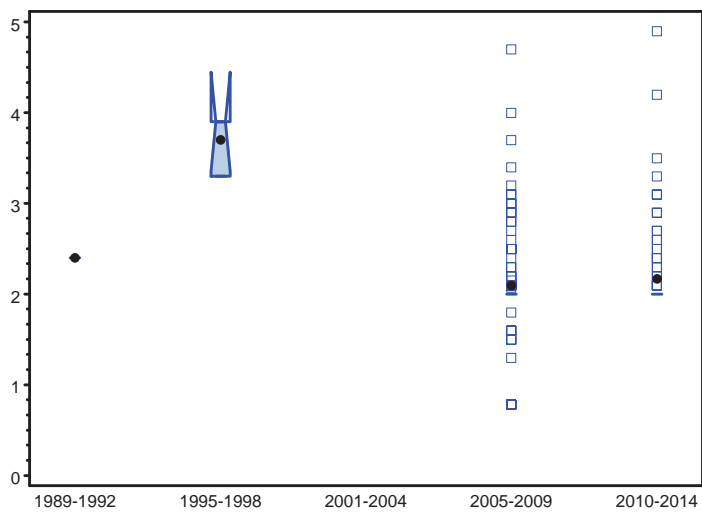
Fakahatchee Strand

Biological oxygen demand (mg/L)



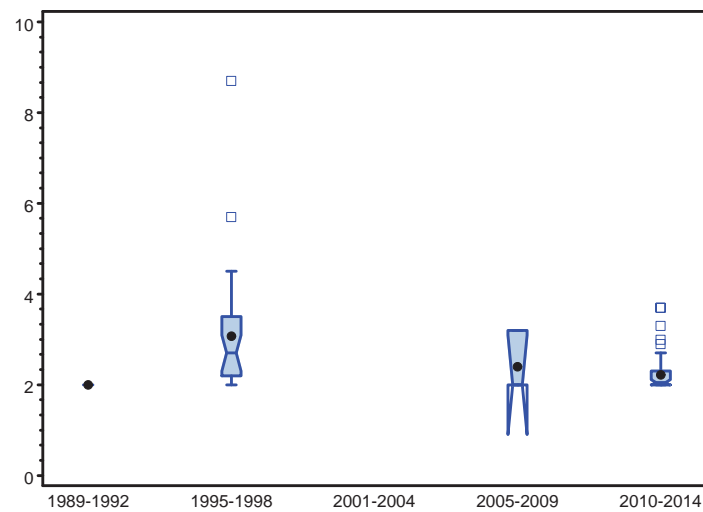
Gordon River (Marine Segment)

Biological oxygen demand (mg/L)



Gordon River Extension

Biological oxygen demand (mg/L)



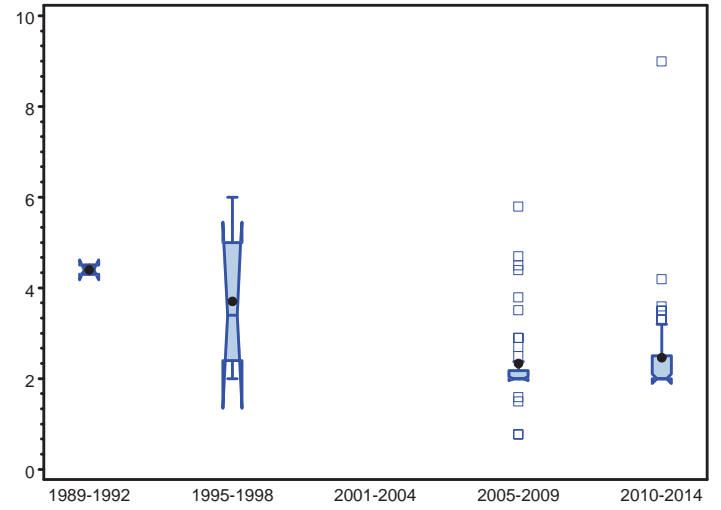
Haldeman Creek (Lower)

Biological oxygen demand (mg/L)



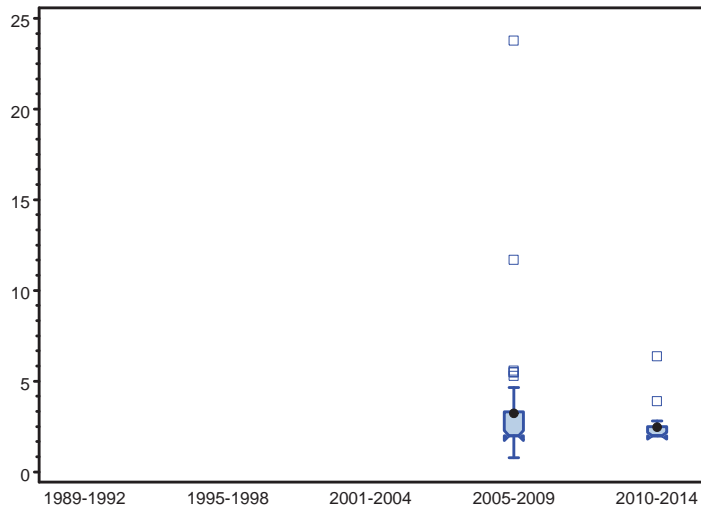
Haldeman Creek (Upper)

Biological oxygen demand (mg/L)



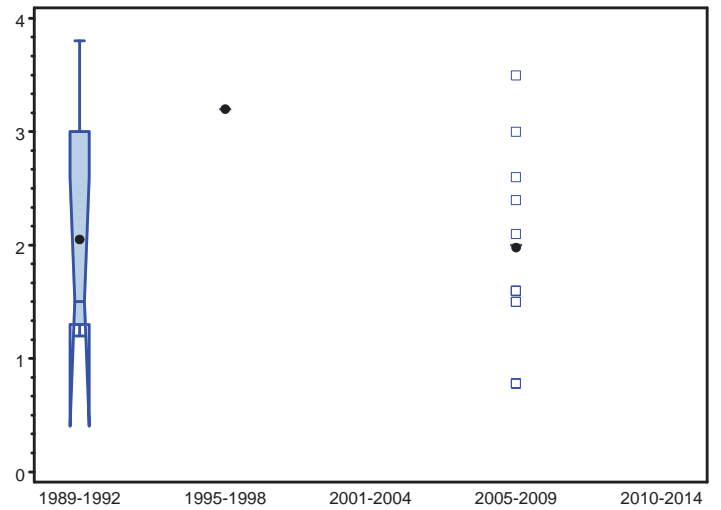
Immokalee Basin

Biological oxygen demand (mg/L)



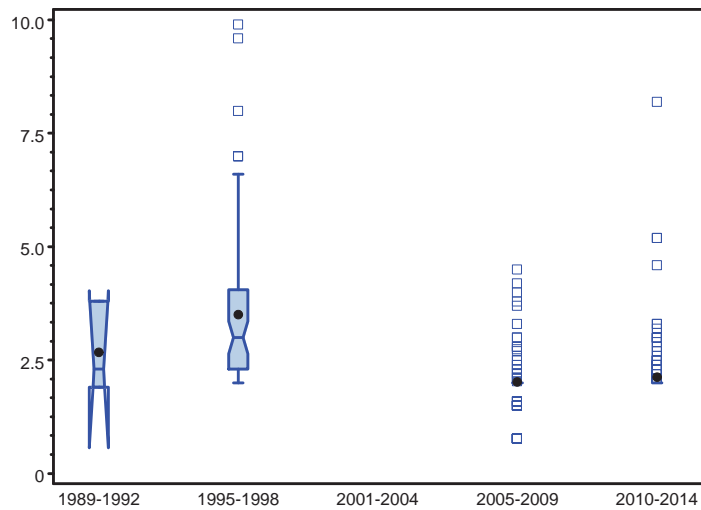
Naples Bay (Coastal Segment)

Biological oxygen demand (mg/L)



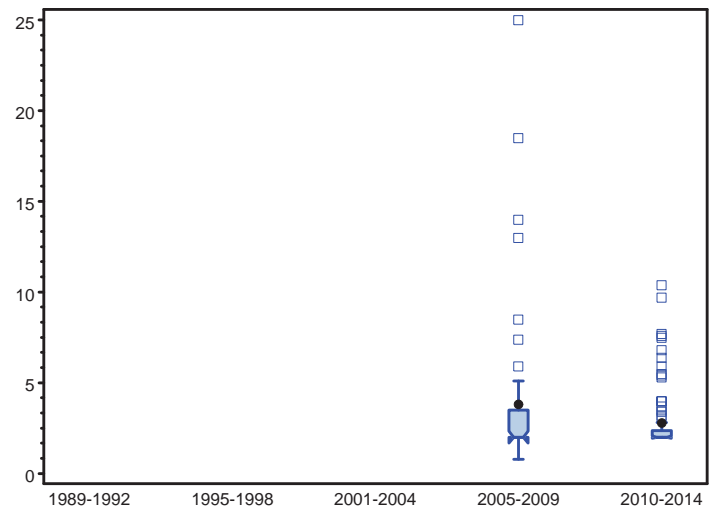
North Golden Gate

Biological oxygen demand (mg/L)

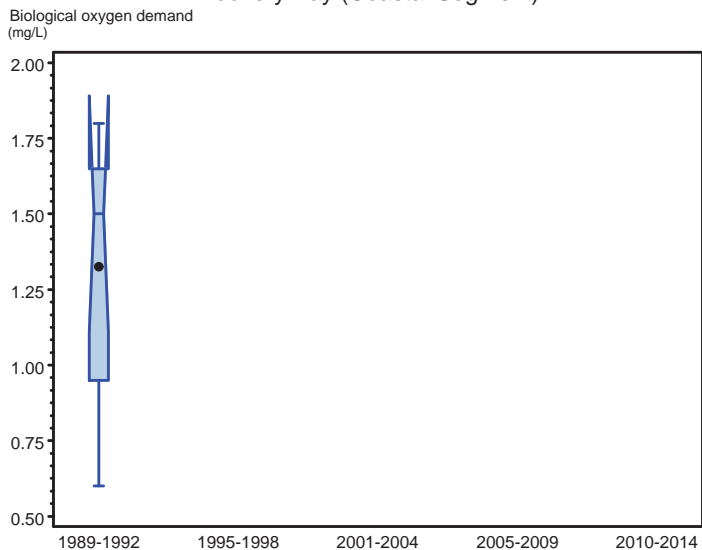


Okaloacoochee Slough

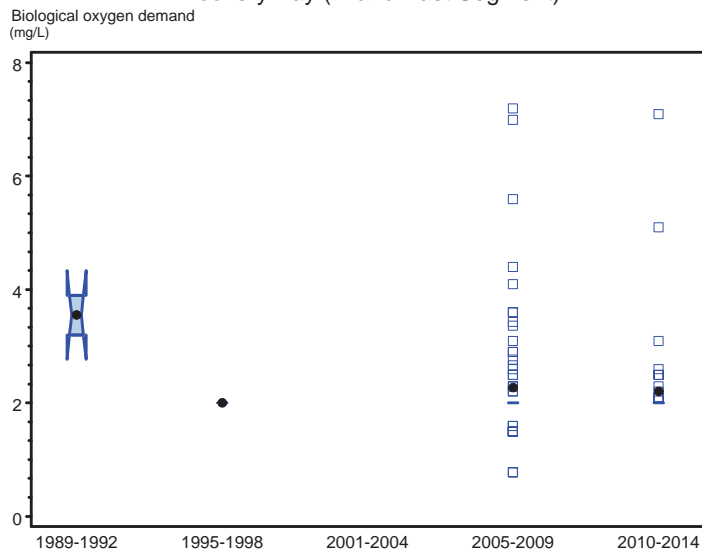
Biological oxygen demand (mg/L)



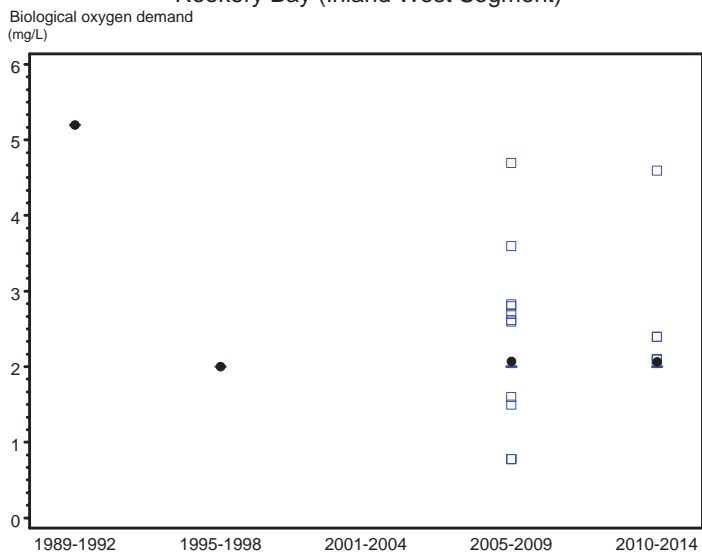
Rookery Bay (Coastal Segment)



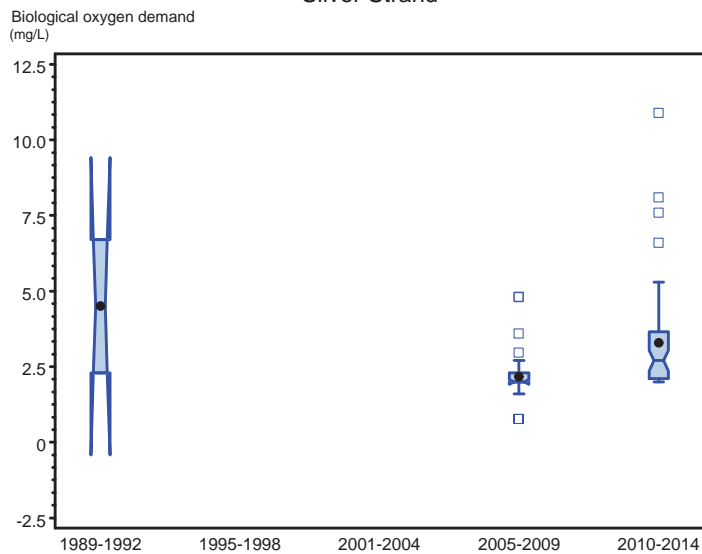
Rookery Bay (Inland East Segment)



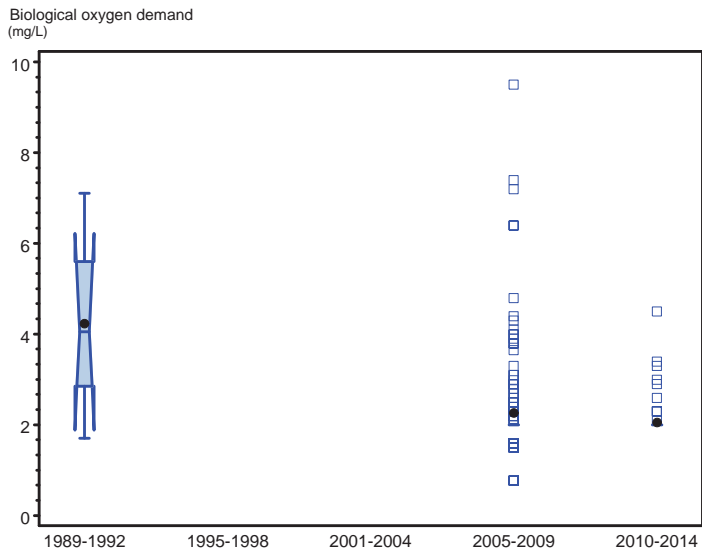
Rookery Bay (Inland West Segment)



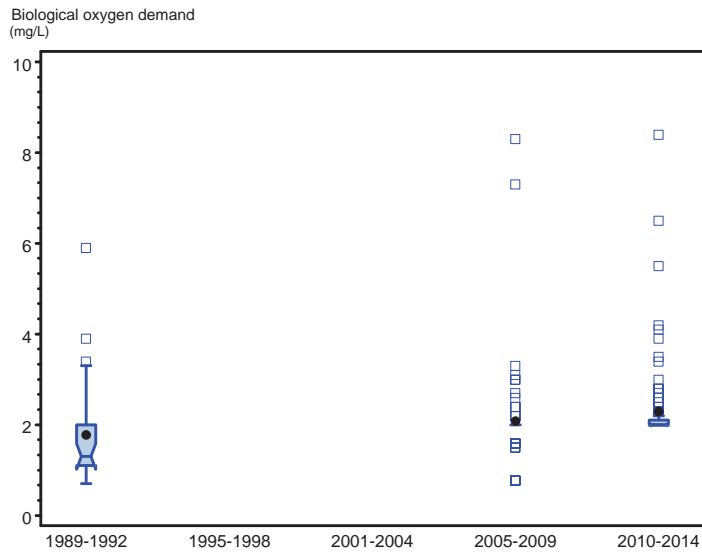
Silver Strand



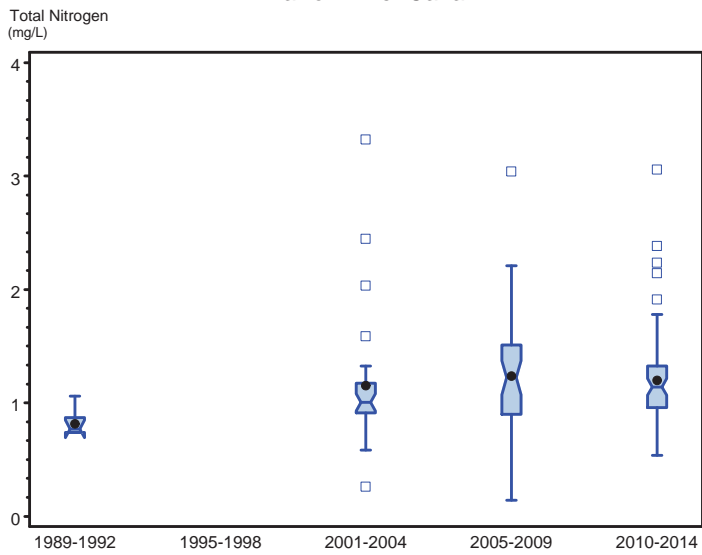
Tamiami Canal



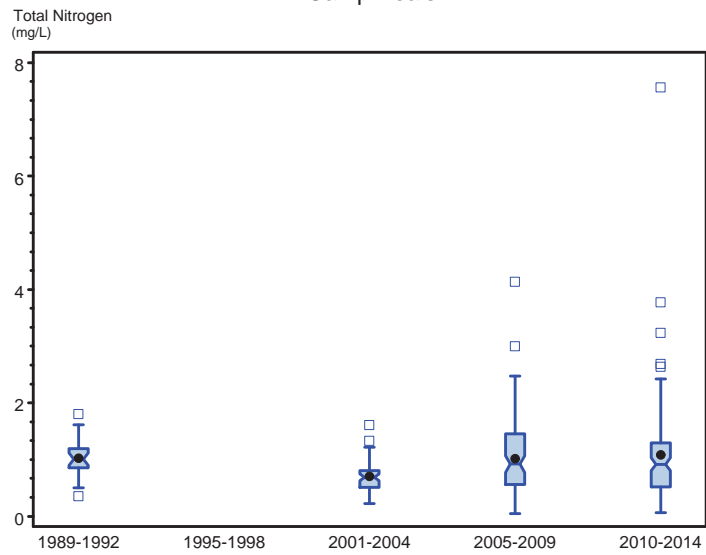
Ten Thousand Islands



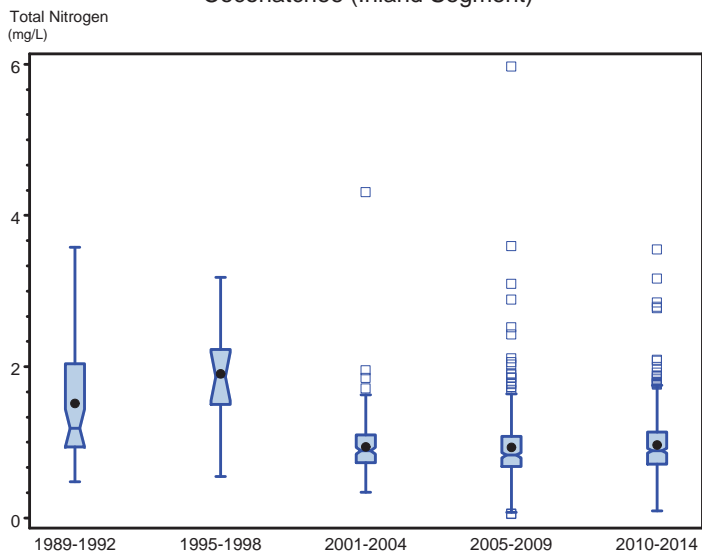
Barron River Canal



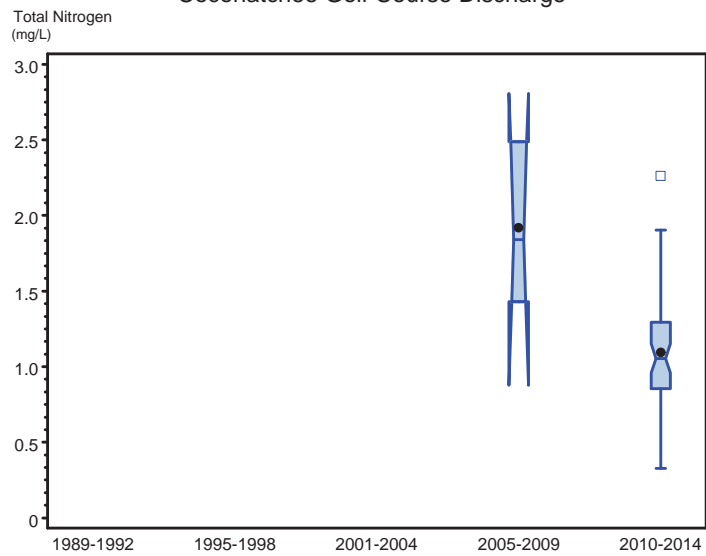
Camp Keais



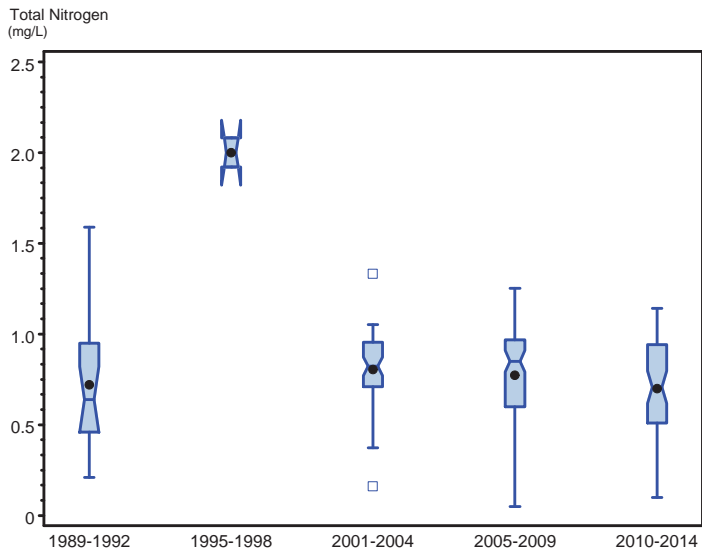
Cocohatchee (Inland Segment)



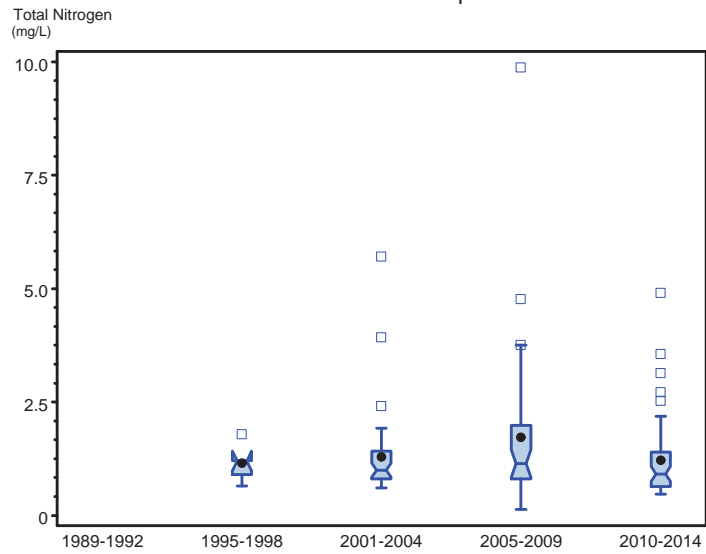
Cocohatchee Golf Course Discharge



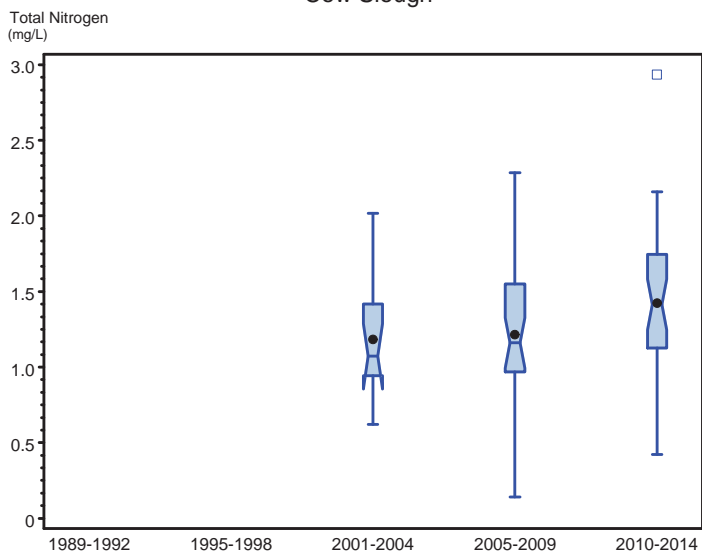
Cocohatchee River



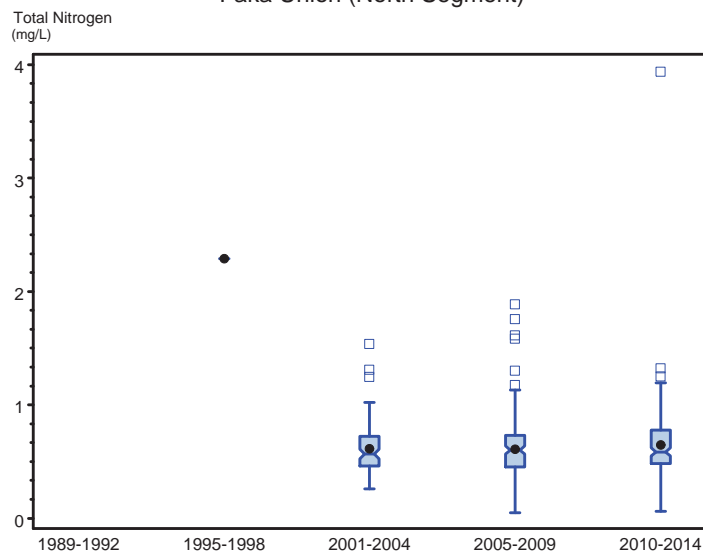
Corkscrew Swamp



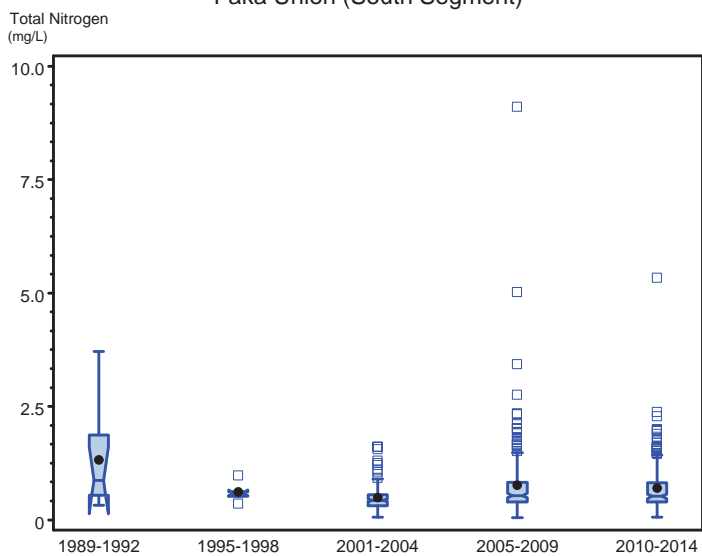
Cow Slough



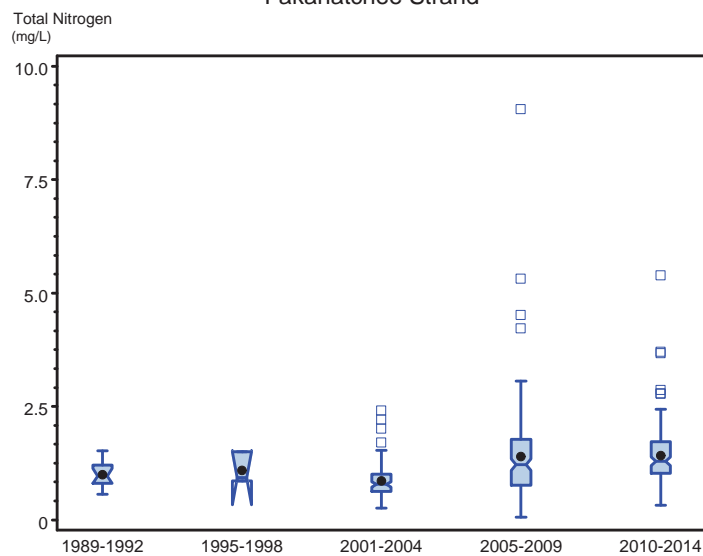
Faka Union (North Segment)



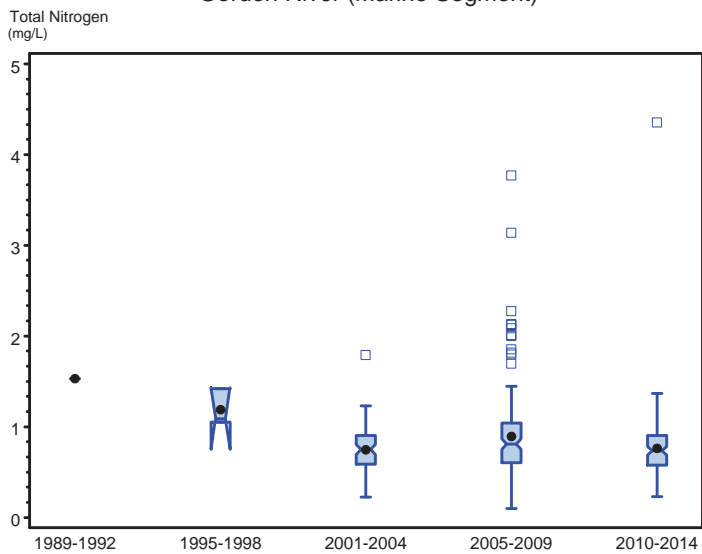
Faka Union (South Segment)



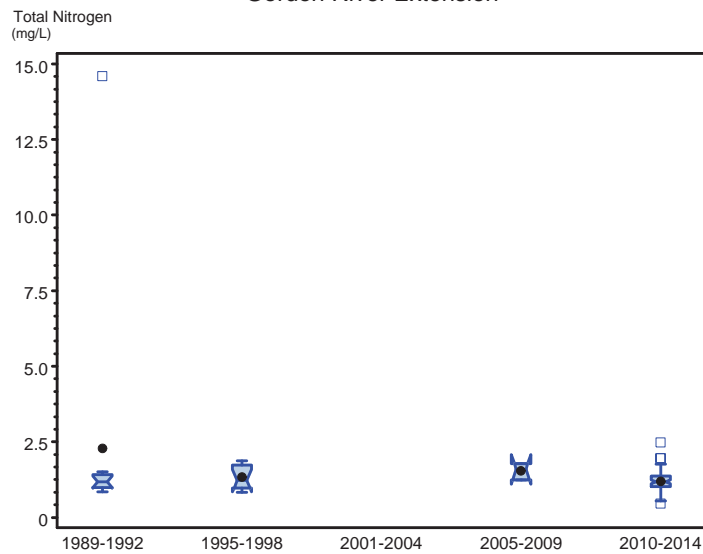
Fakahatchee Strand



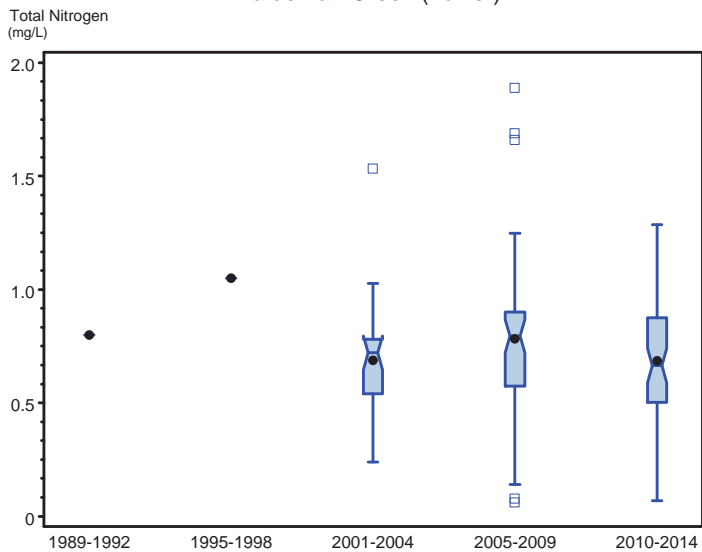
Gordon River (Marine Segment)



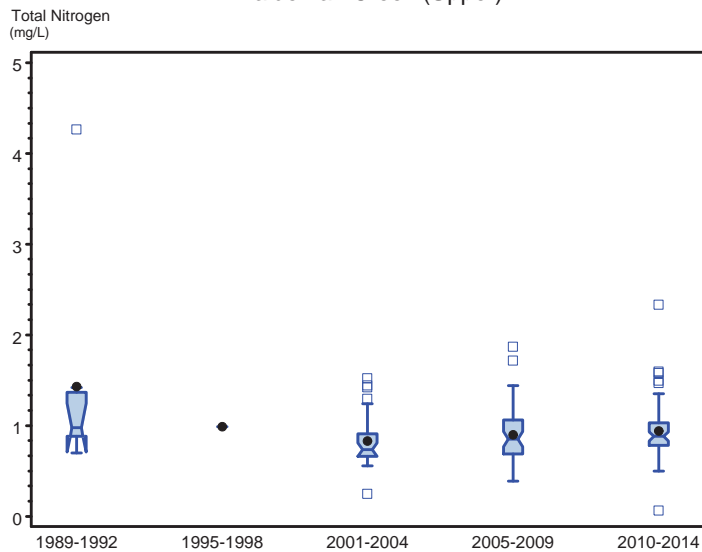
Gordon River Extension



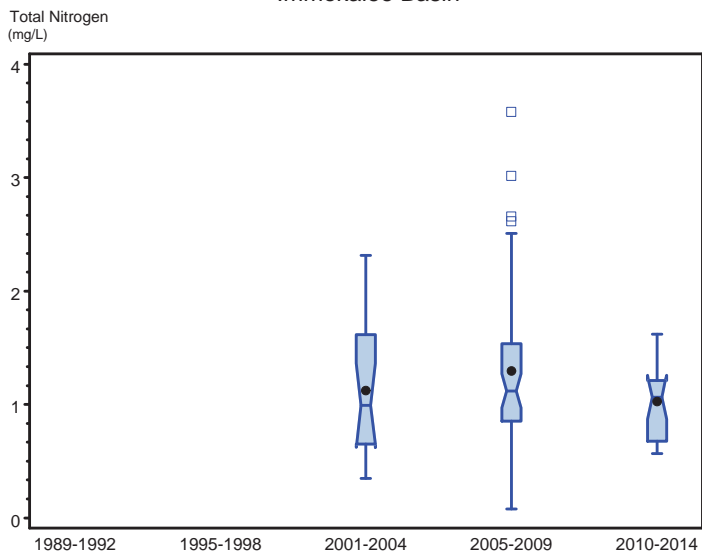
Haldeman Creek (Lower)



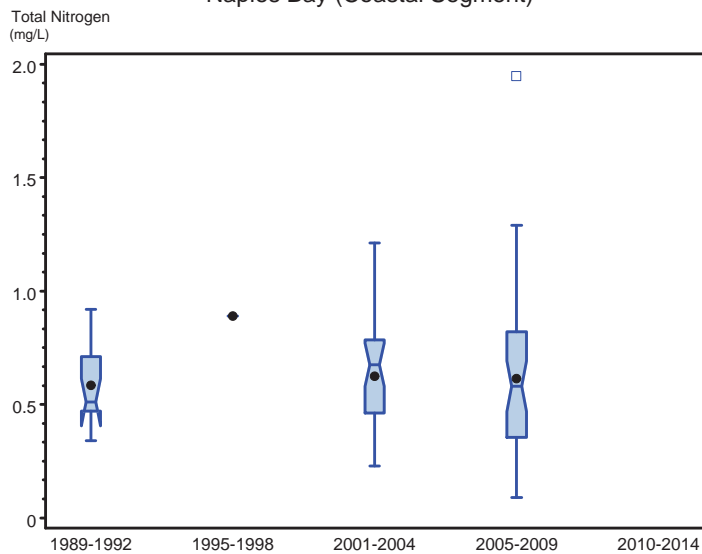
Haldeman Creek (Upper)



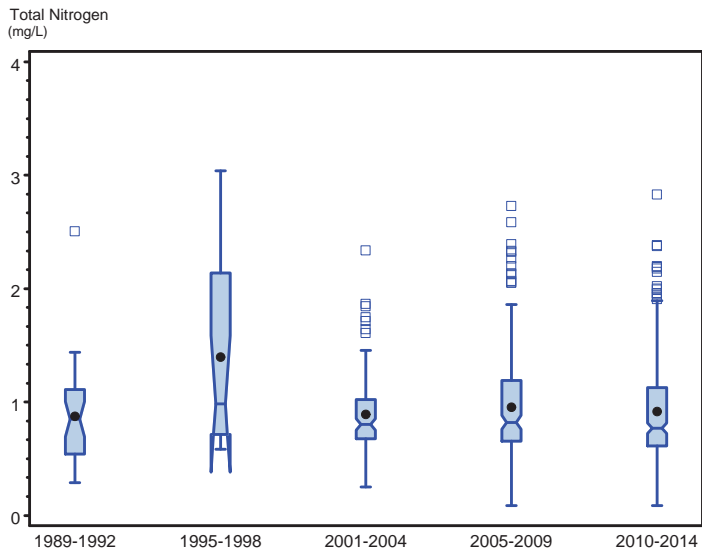
Immokalee Basin



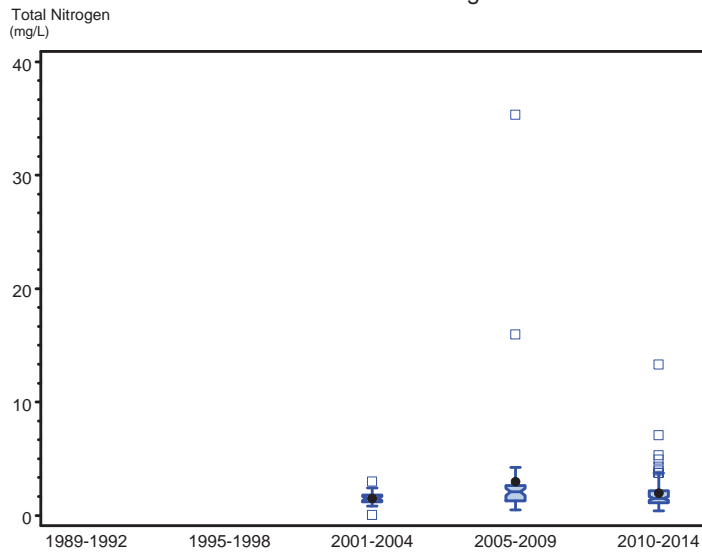
Naples Bay (Coastal Segment)



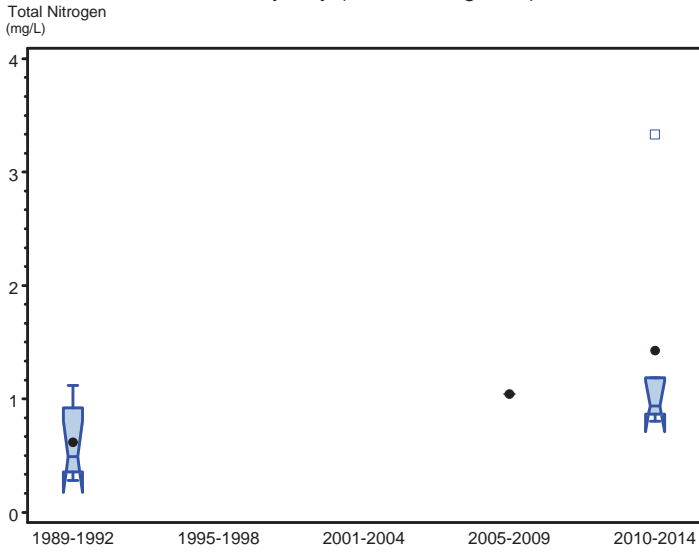
North Golden Gate



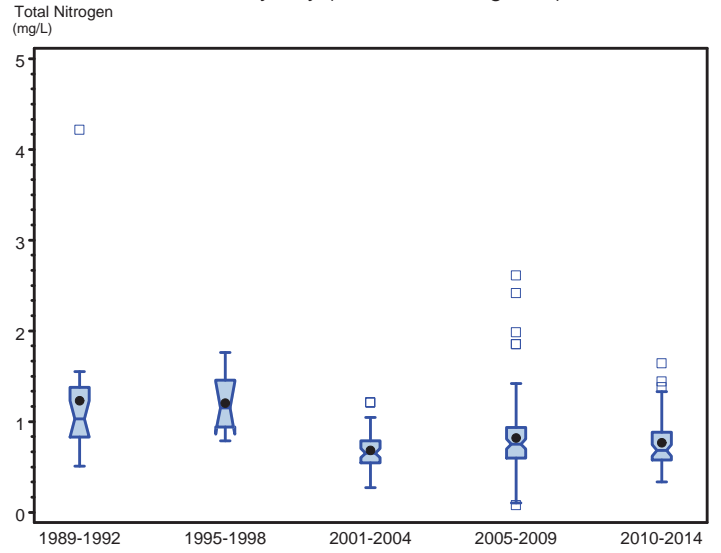
Okaloacoochee Slough



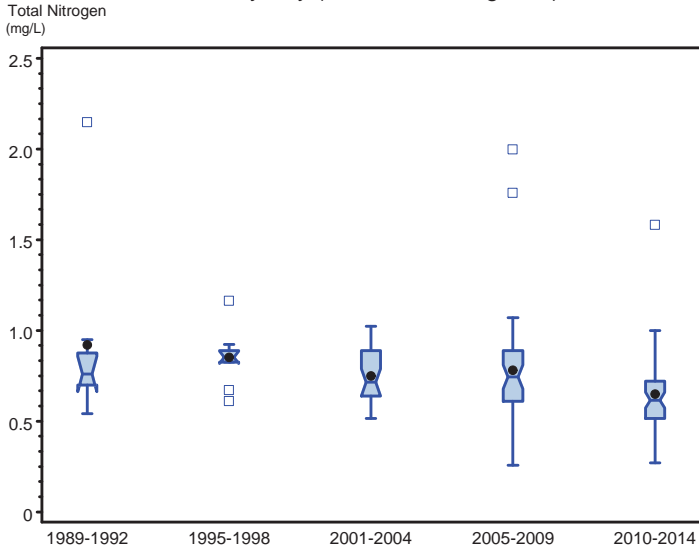
Rookery Bay (Coastal Segment)



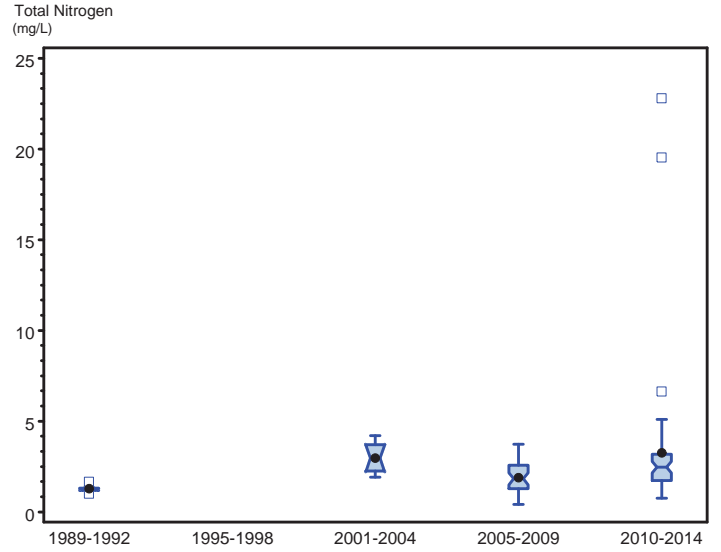
Rookery Bay (Inland East Segment)



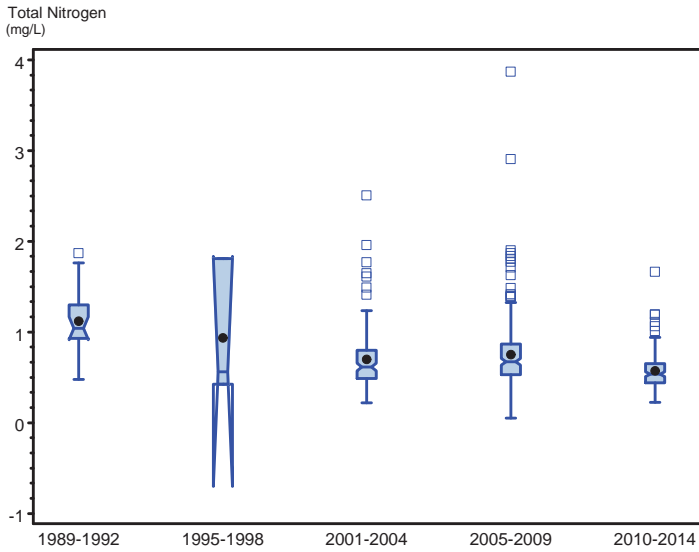
Rookery Bay (Inland West Segment)



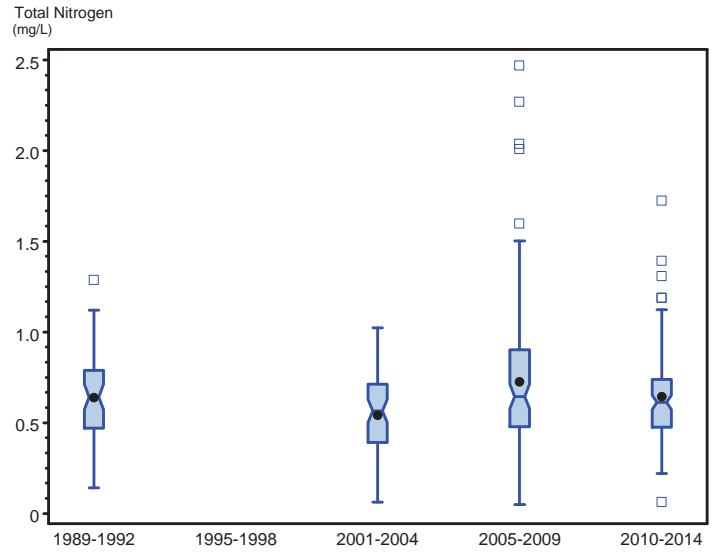
Silver Strand



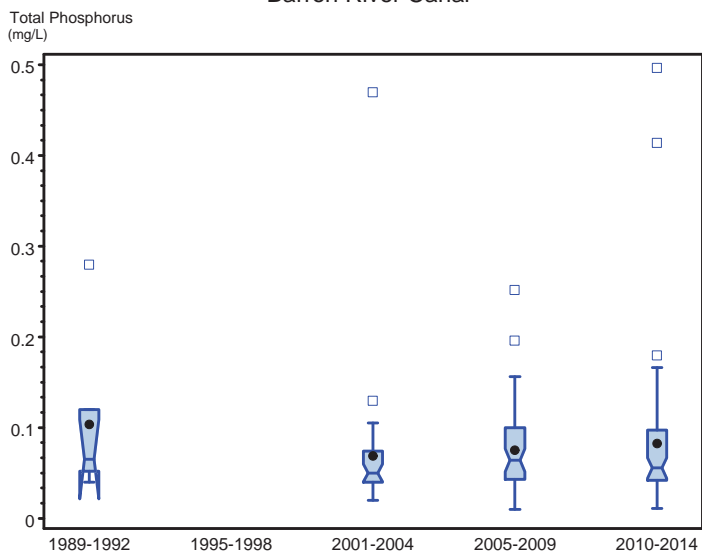
Tamiami Canal



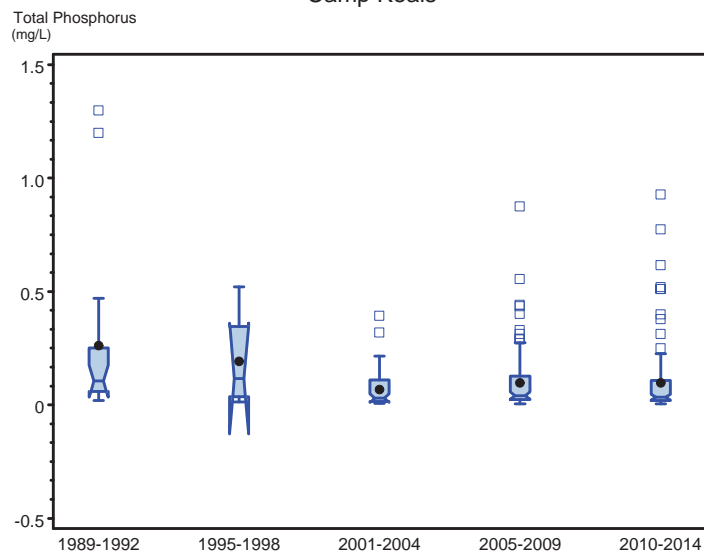
Ten Thousand Islands



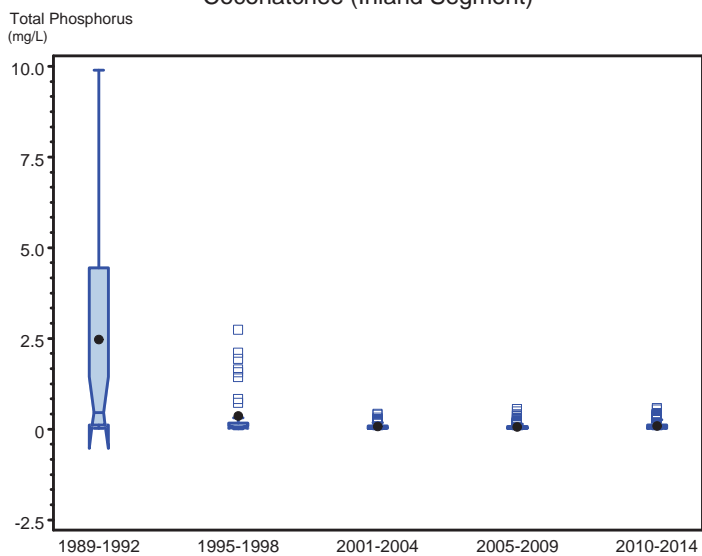
Barron River Canal



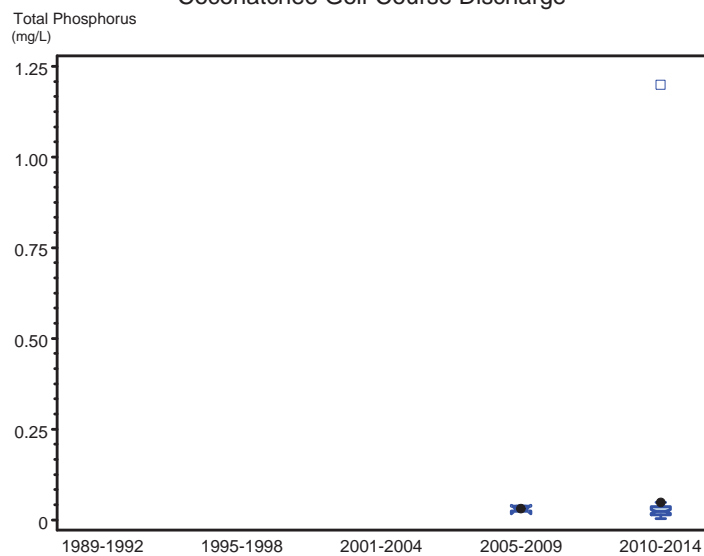
Camp Keais



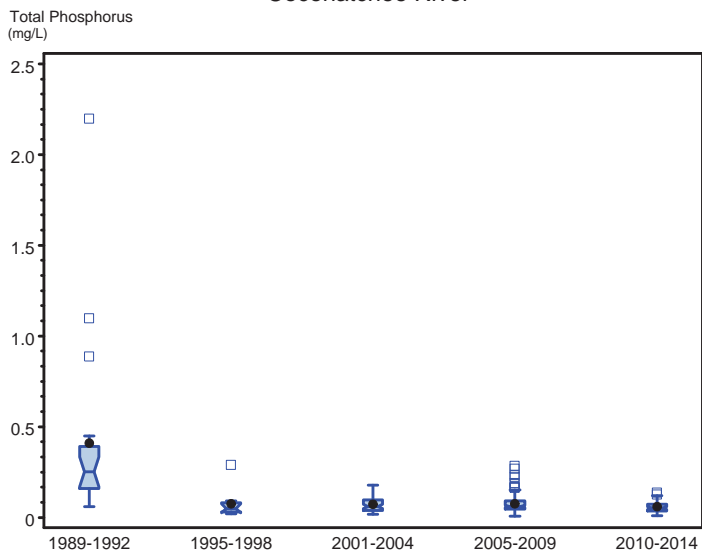
Cocohatchee (Inland Segment)



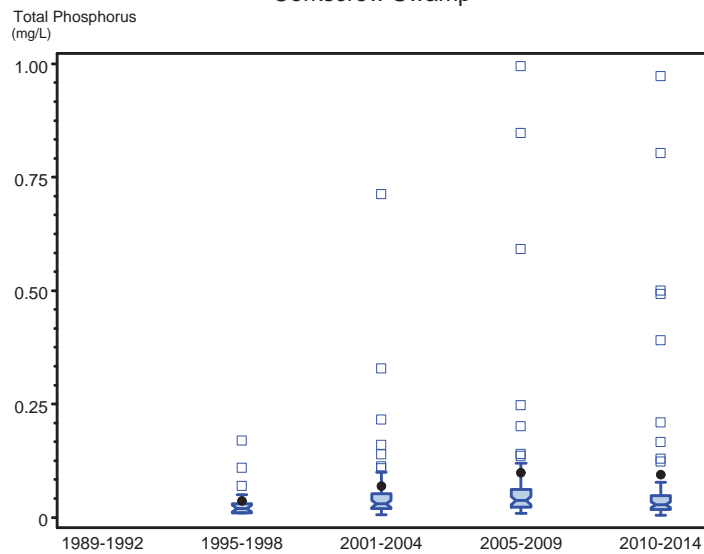
Cocohatchee Golf Course Discharge



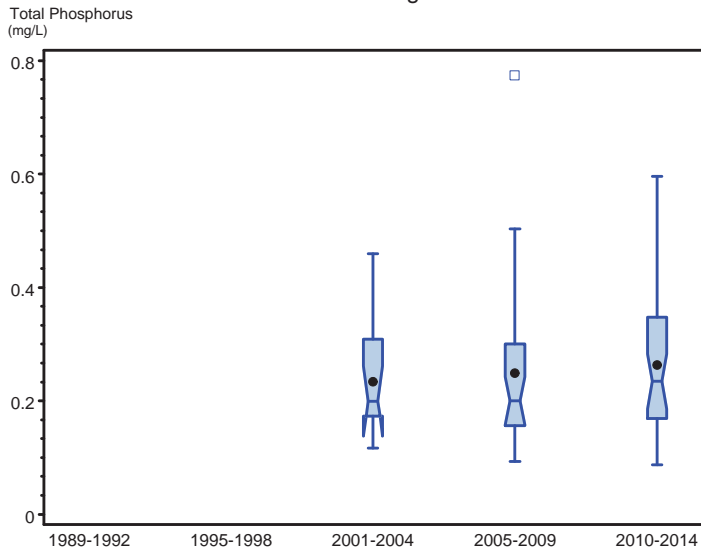
Cocohatchee River



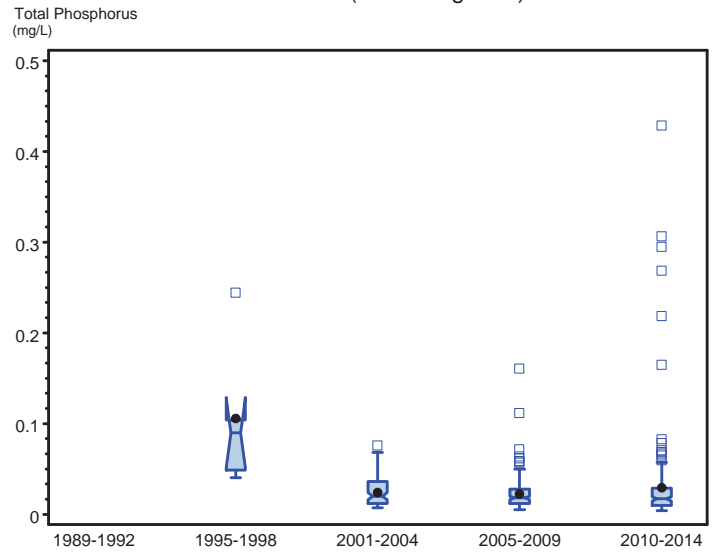
Corkscrew Swamp



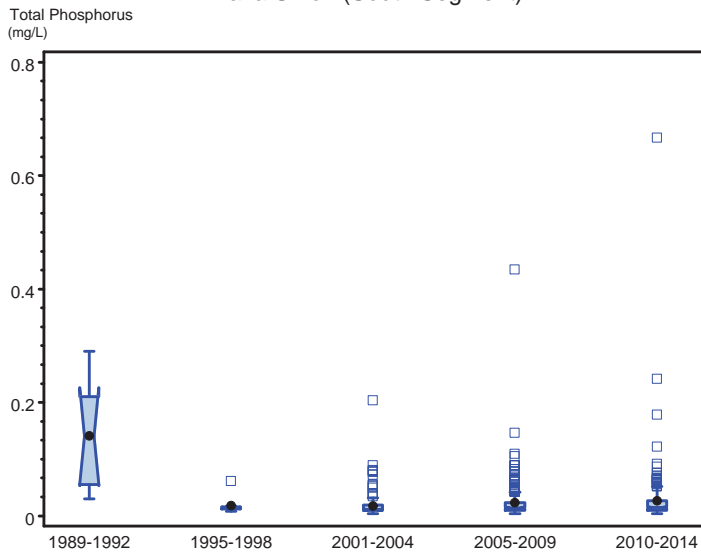
Cow Slough



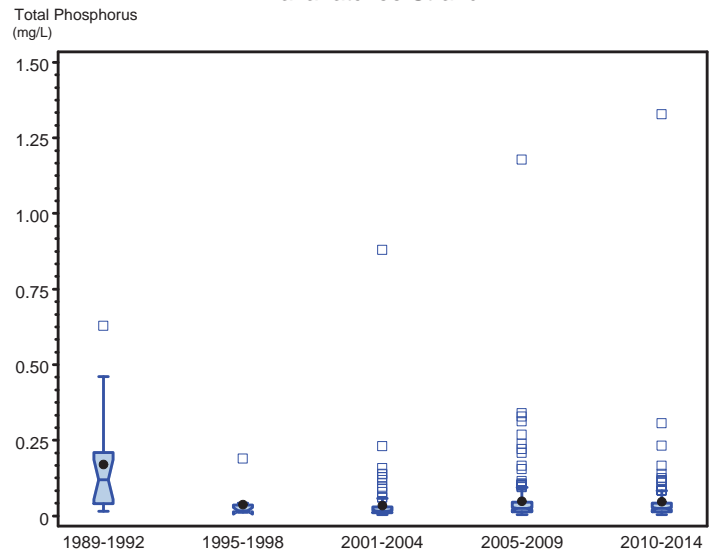
Faka Union (North Segment)



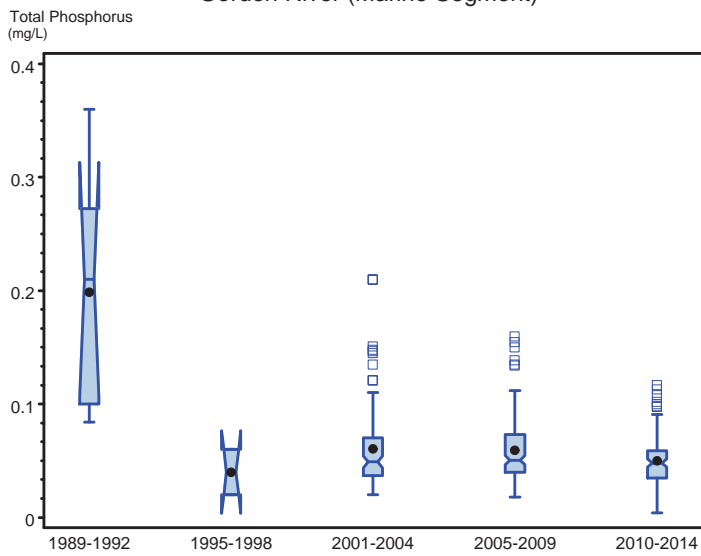
Faka Union (South Segment)



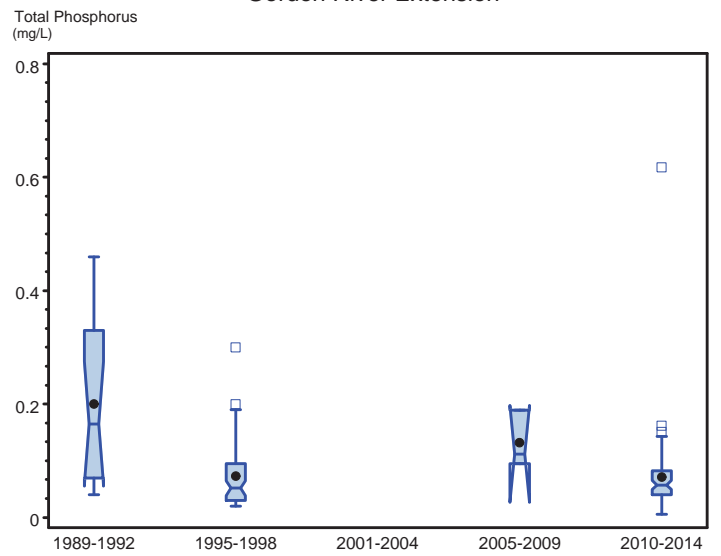
Fakahatchee Strand



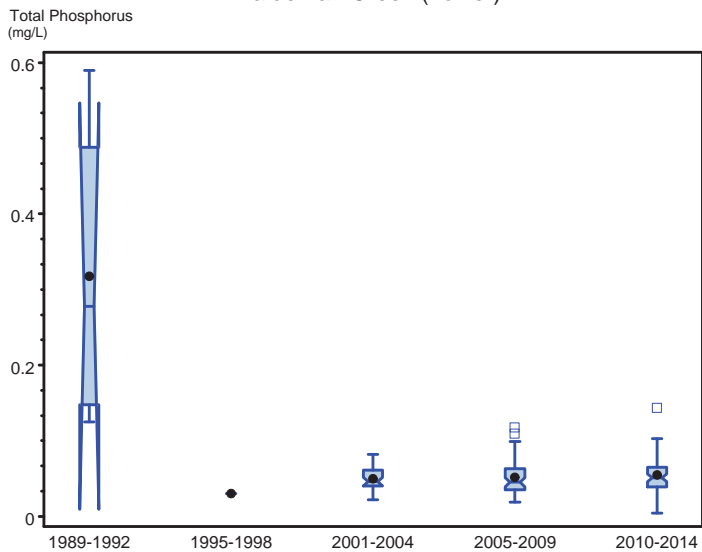
Gordon River (Marine Segment)



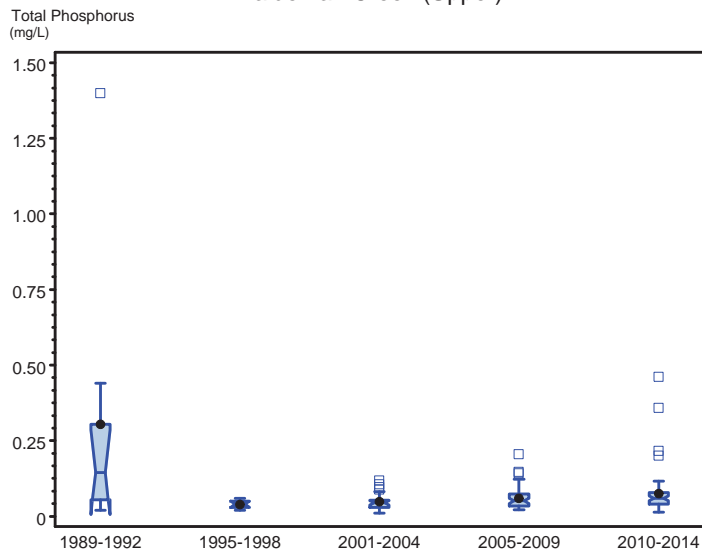
Gordon River Extension



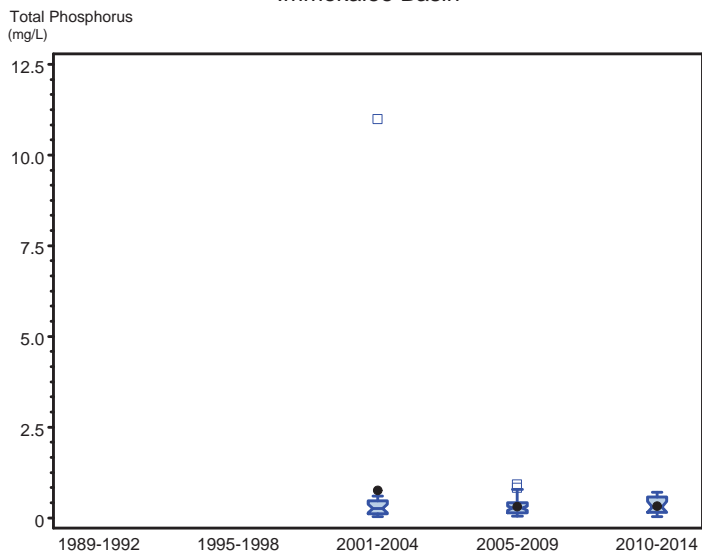
Haldeman Creek (Lower)



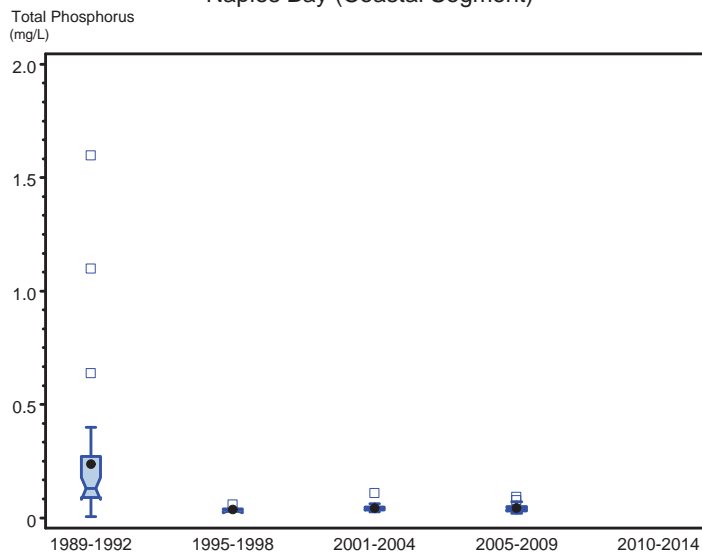
Haldeman Creek (Upper)



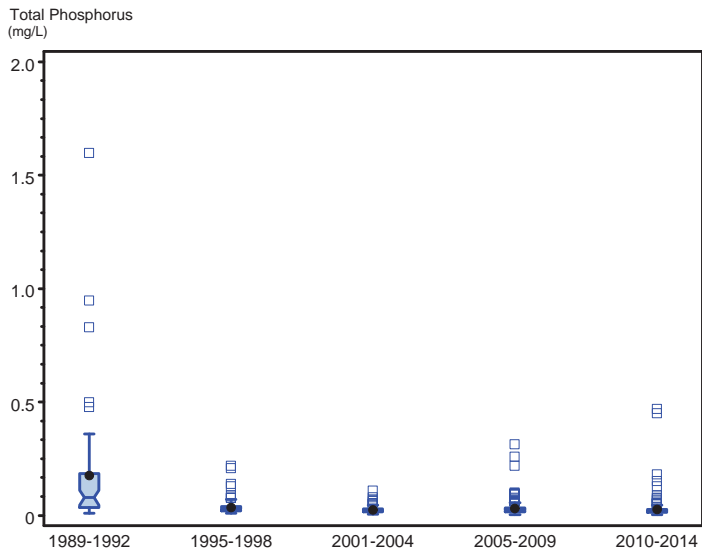
Immokalee Basin



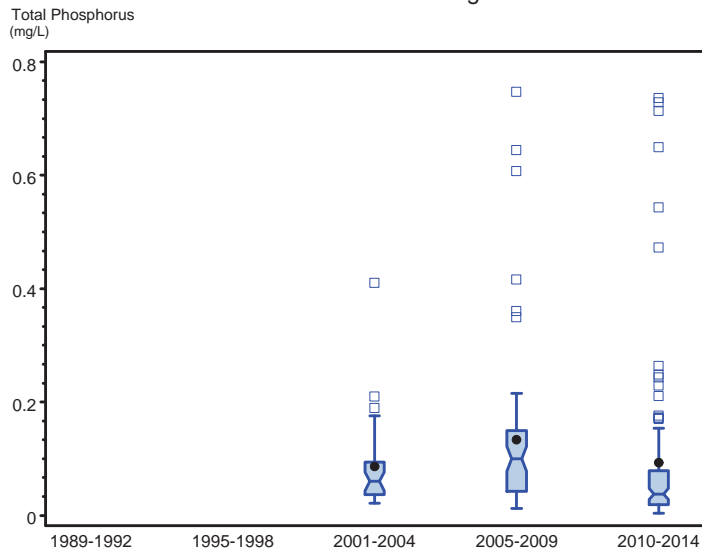
Naples Bay (Coastal Segment)



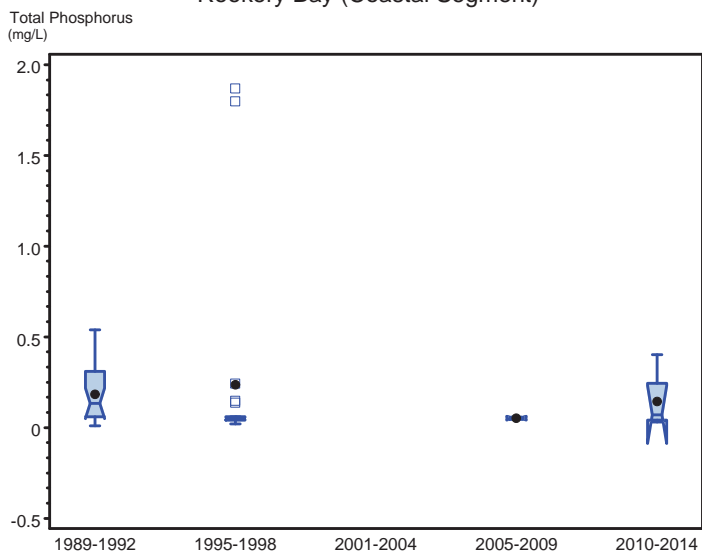
North Golden Gate



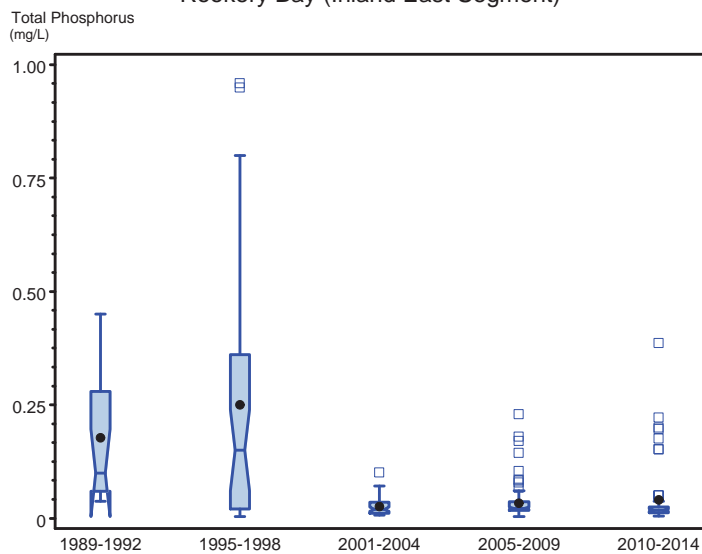
Okaloacoochee Slough



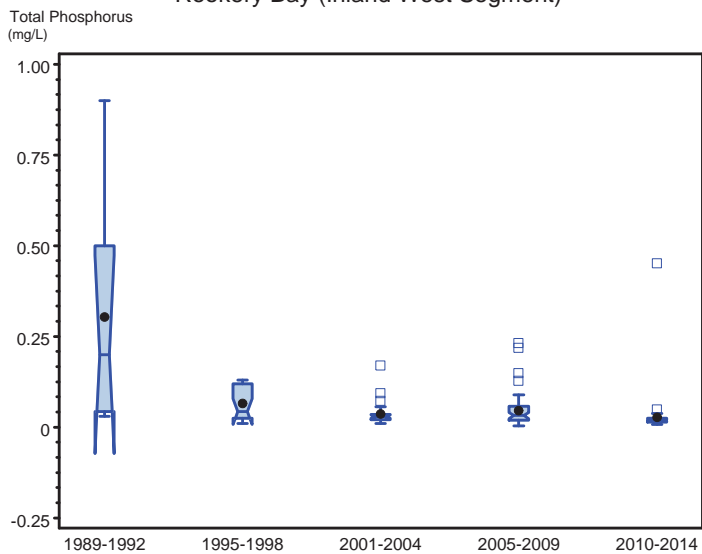
Rookery Bay (Coastal Segment)



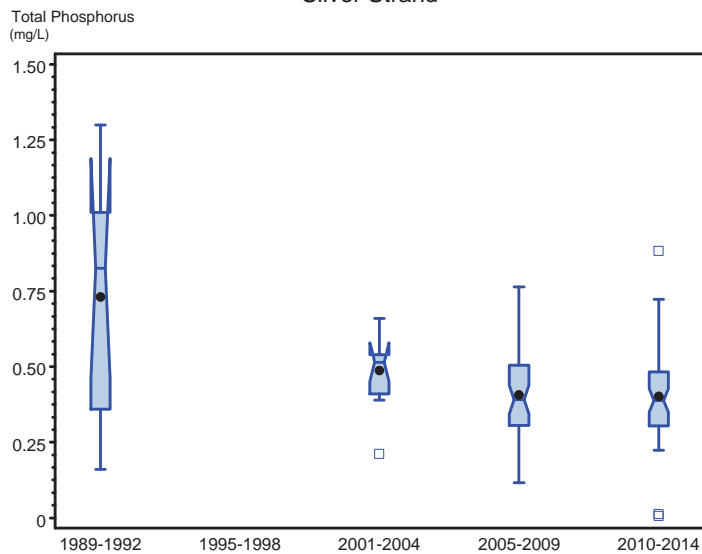
Rookery Bay (Inland East Segment)



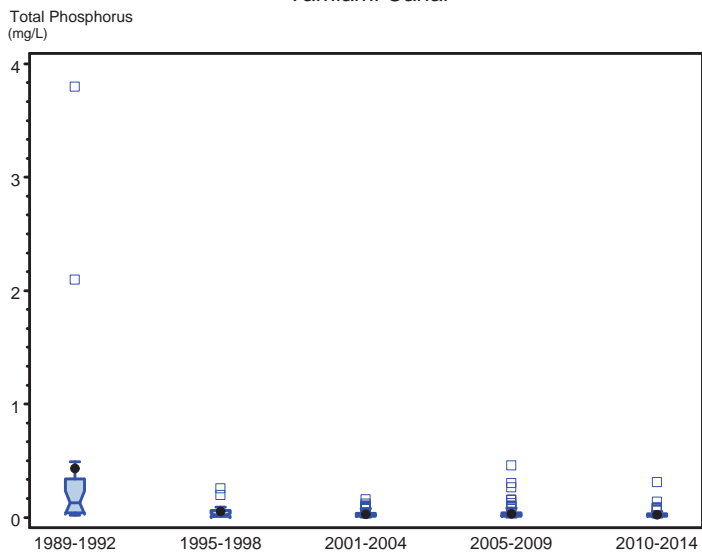
Rookery Bay (Inland West Segment)



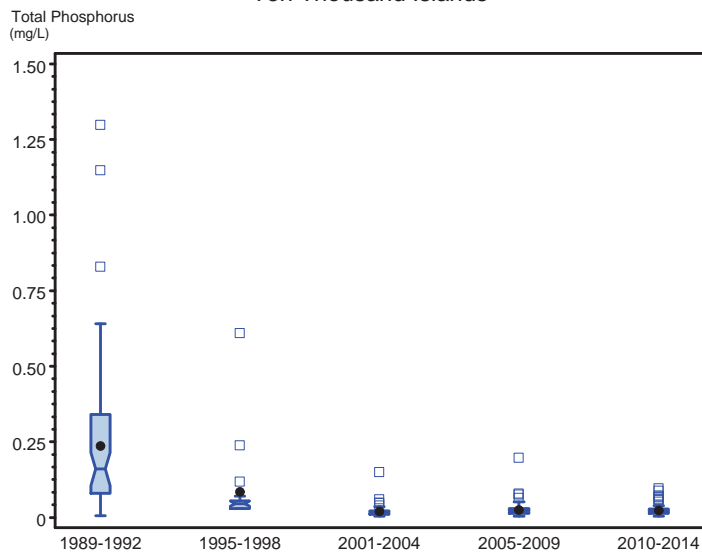
Silver Strand



Tamiami Canal

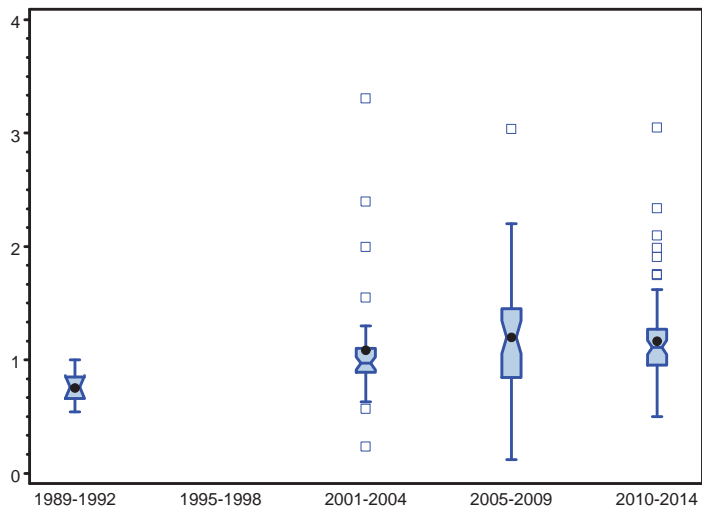


Ten Thousand Islands



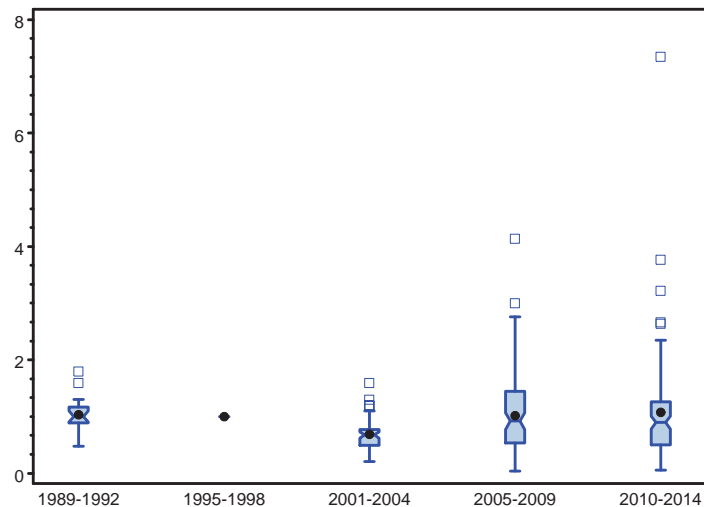
Barron River Canal

Total Kjeldahl Nitrogen
(mg/L)



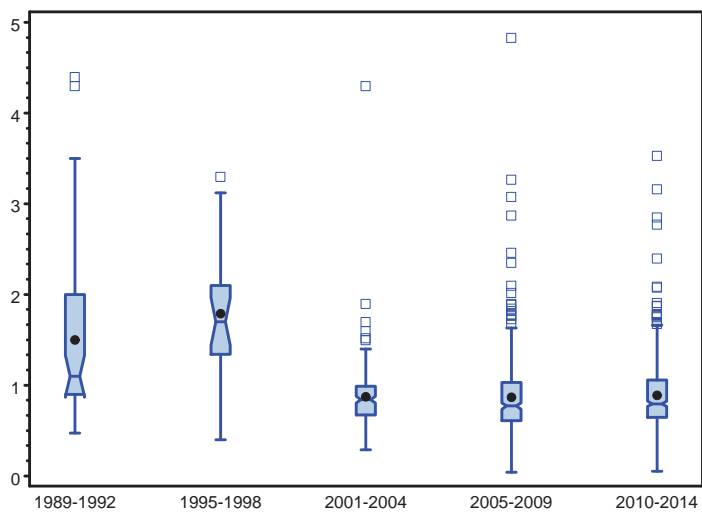
Camp Keais

Total Kjeldahl Nitrogen
(mg/L)



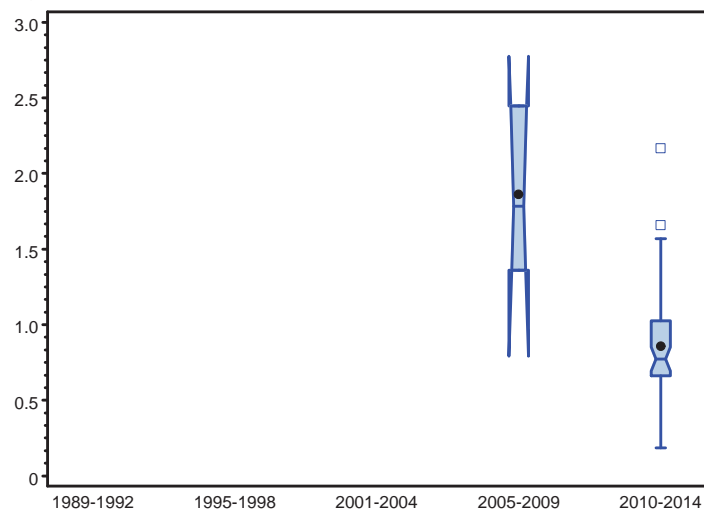
Cocohatchee (Inland Segment)

Total Kjeldahl Nitrogen
(mg/L)



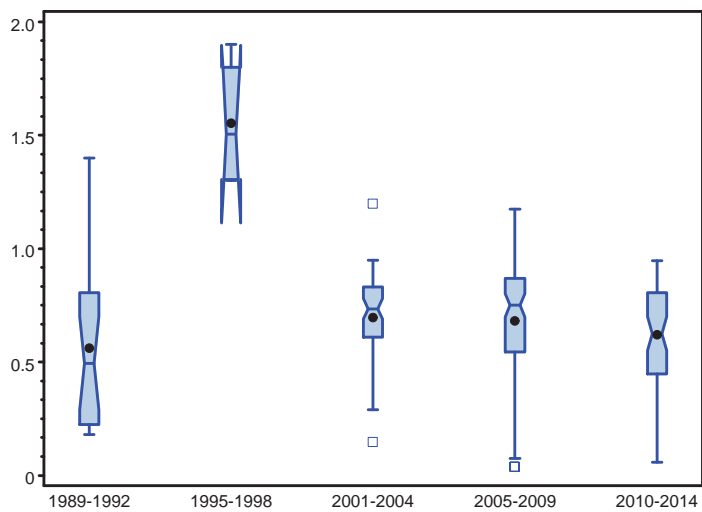
Cocohatchee Golf Course Discharge

Total Kjeldahl Nitrogen
(mg/L)



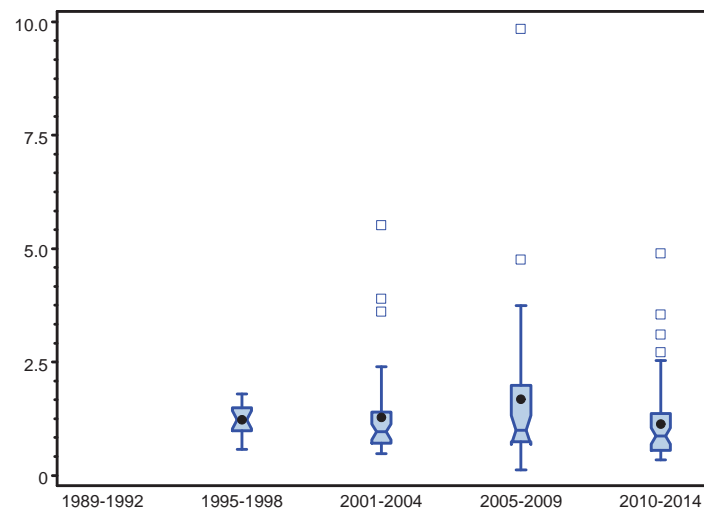
Cocohatchee River

Total Kjeldahl Nitrogen
(mg/L)



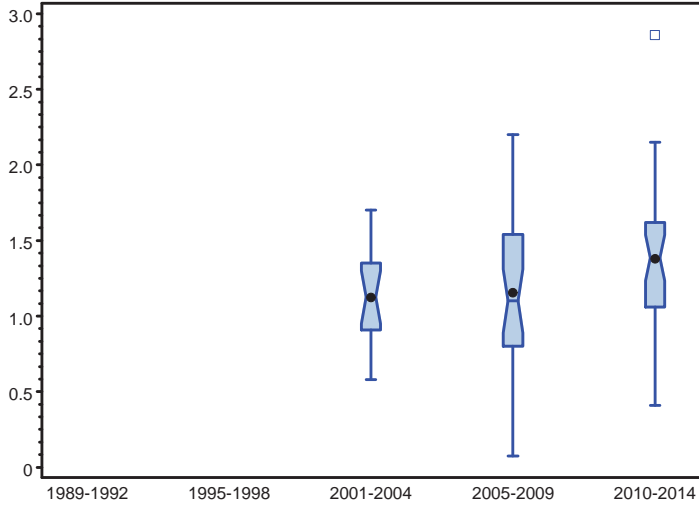
Corkscrew Swamp

Total Kjeldahl Nitrogen
(mg/L)



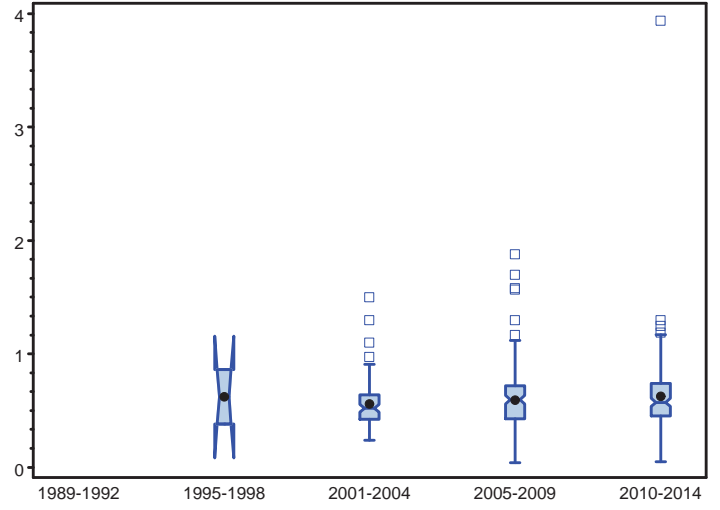
Cow Slough

Total Kjeldahl Nitrogen
(mg/L)



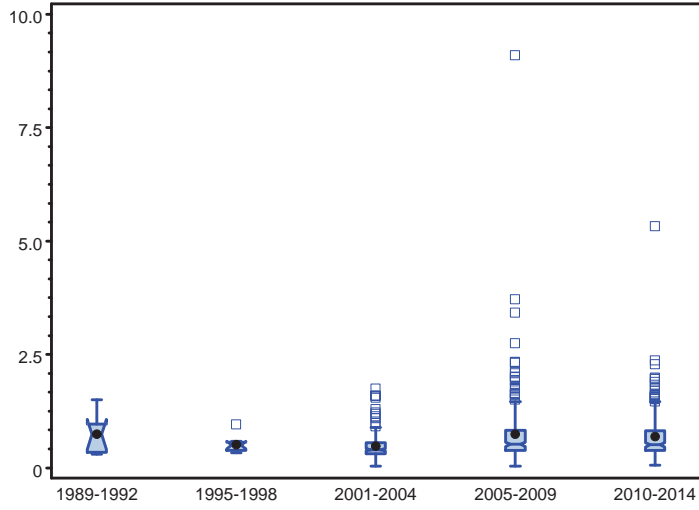
Faka Union (North Segment)

Total Kjeldahl Nitrogen
(mg/L)



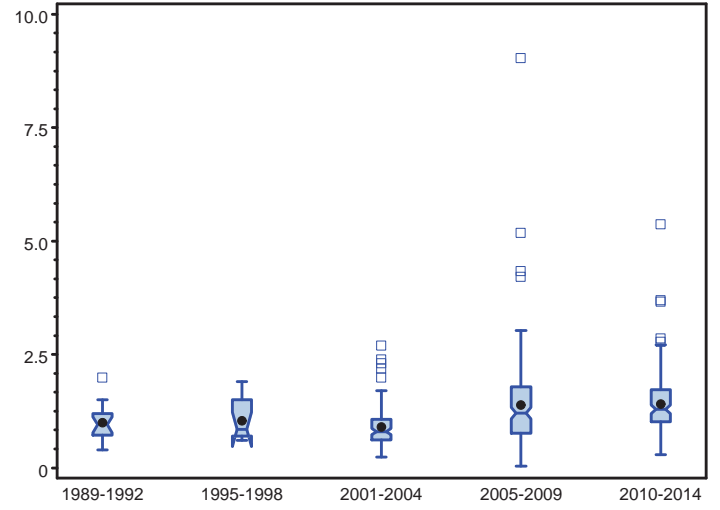
Faka Union (South Segment)

Total Kjeldahl Nitrogen
(mg/L)



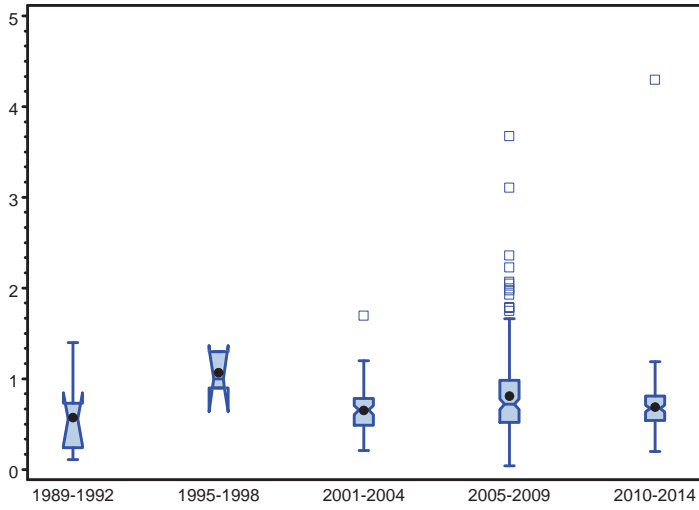
Fakahatchee Strand

Total Kjeldahl Nitrogen
(mg/L)



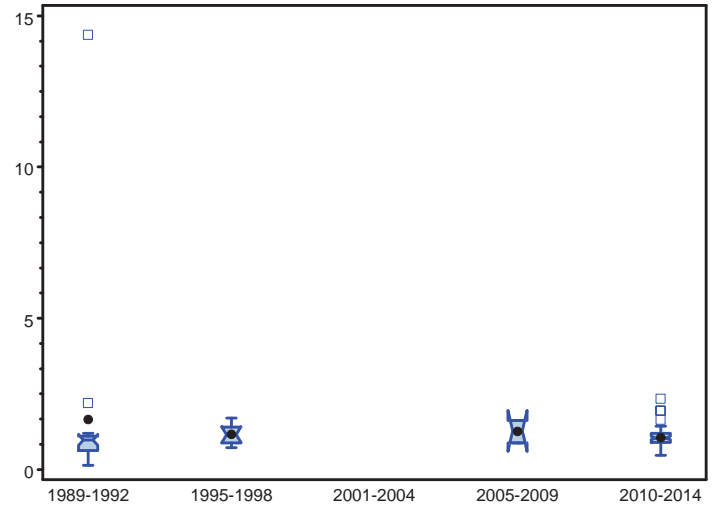
Gordon River (Marine Segment)

Total Kjeldahl Nitrogen
(mg/L)



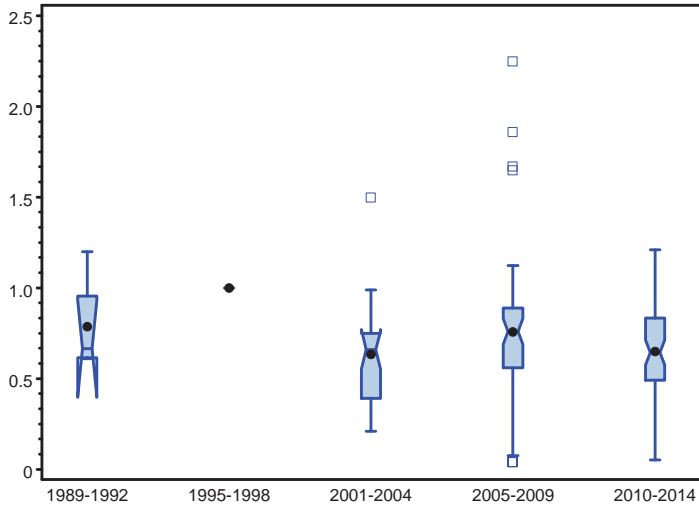
Gordon River Extension

Total Kjeldahl Nitrogen
(mg/L)



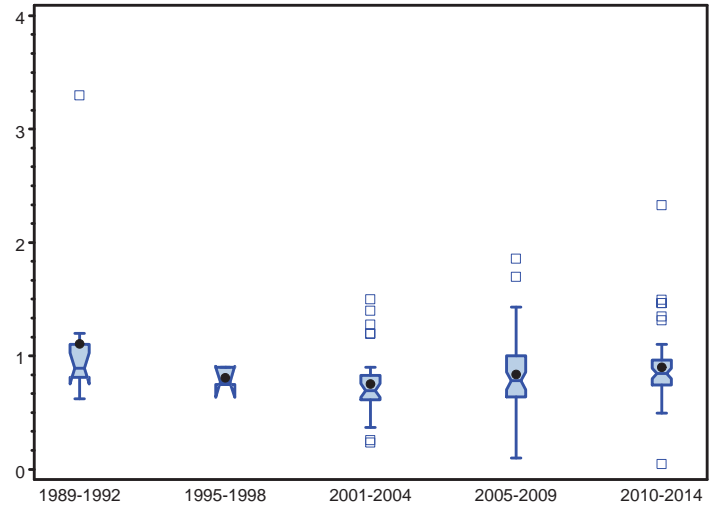
Haldeman Creek (Lower)

Total Kjeldahl Nitrogen
(mg/L)



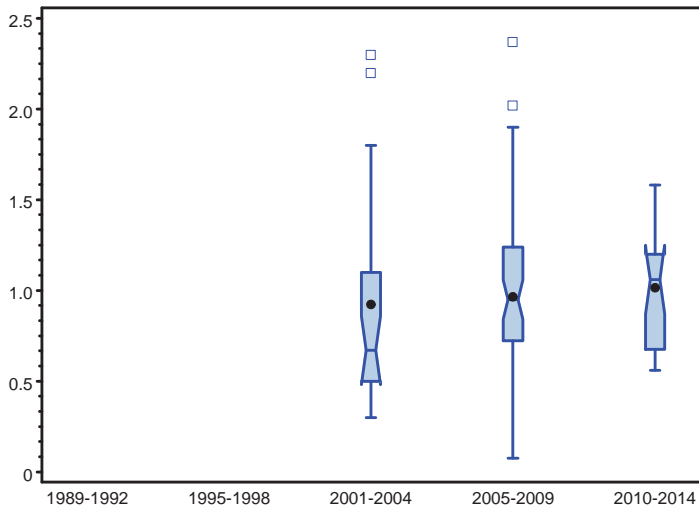
Haldeman Creek (Upper)

Total Kjeldahl Nitrogen
(mg/L)



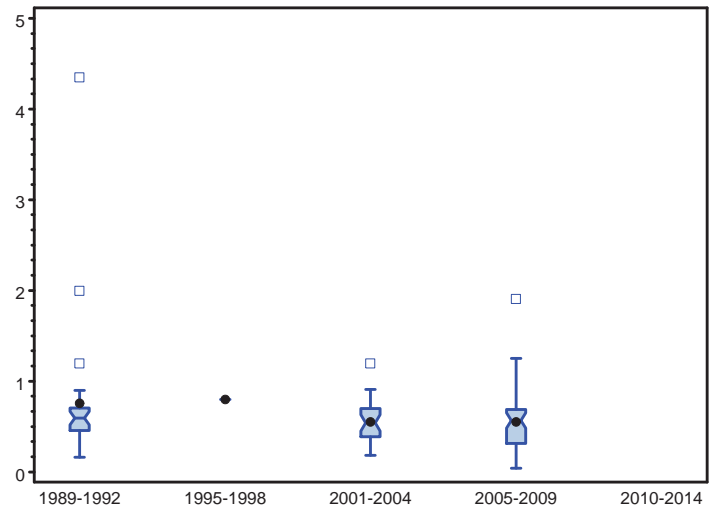
Immokalee Basin

Total Kjeldahl Nitrogen
(mg/L)



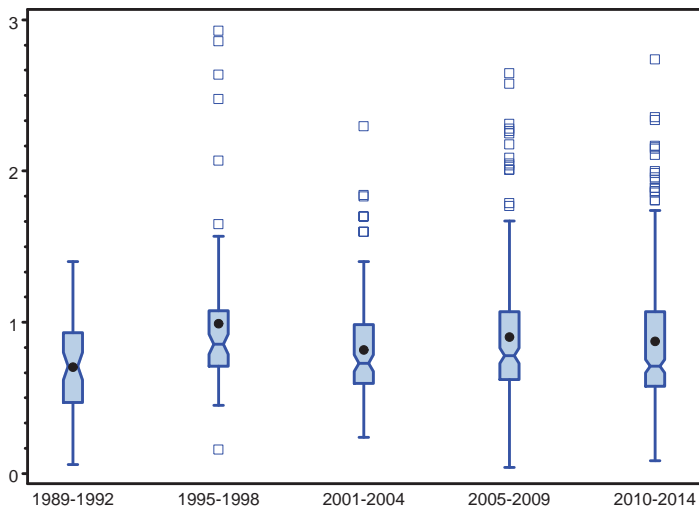
Naples Bay (Coastal Segment)

Total Kjeldahl Nitrogen
(mg/L)



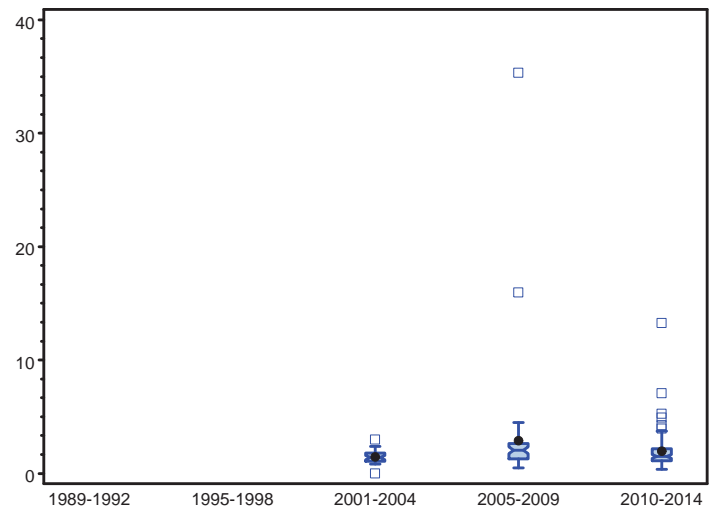
North Golden Gate

Total Kjeldahl Nitrogen
(mg/L)



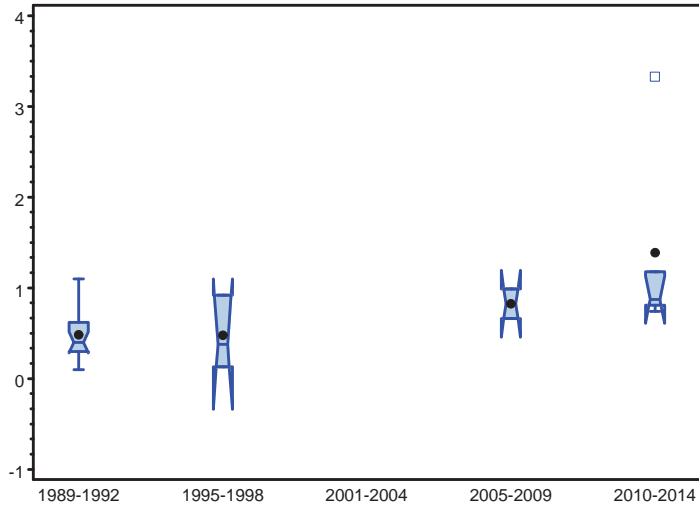
Okaloacoochee Slough

Total Kjeldahl Nitrogen
(mg/L)



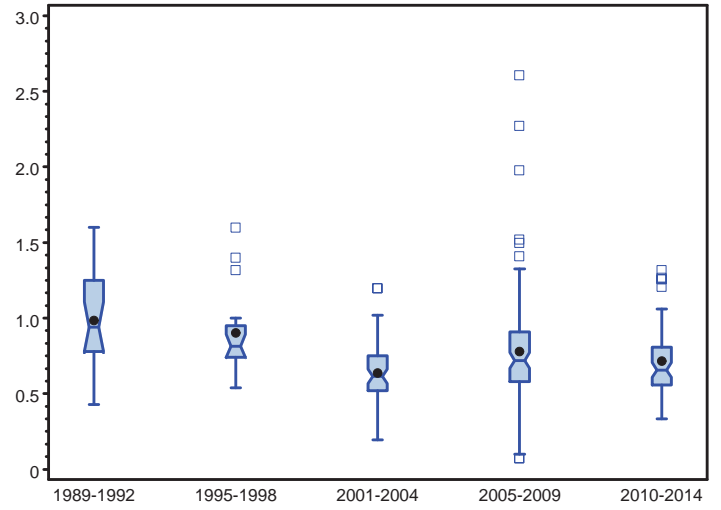
Rookery Bay (Coastal Segment)

Total Kjeldahl Nitrogen
(mg/L)



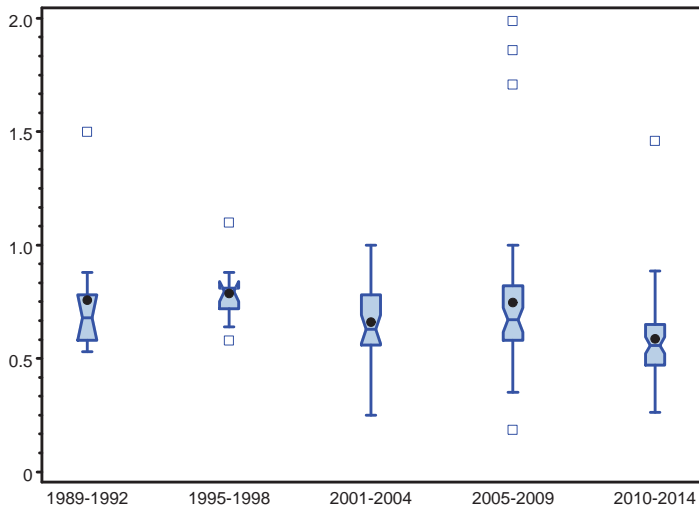
Rookery Bay (Inland East Segment)

Total Kjeldahl Nitrogen
(mg/L)



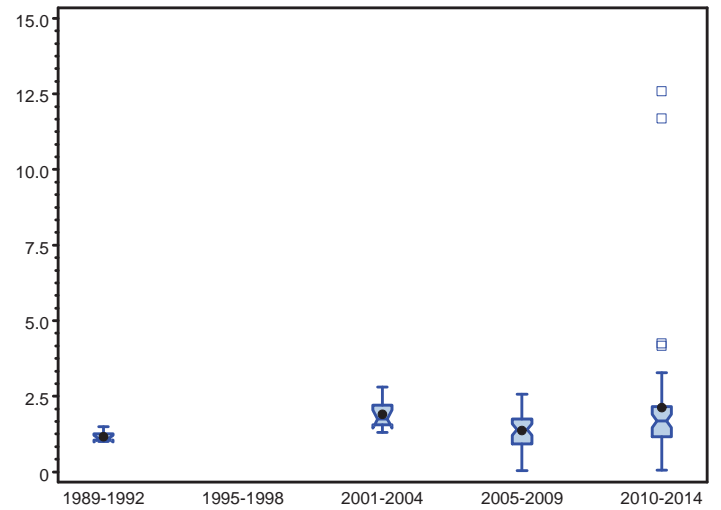
Rookery Bay (Inland West Segment)

Total Kjeldahl Nitrogen
(mg/L)



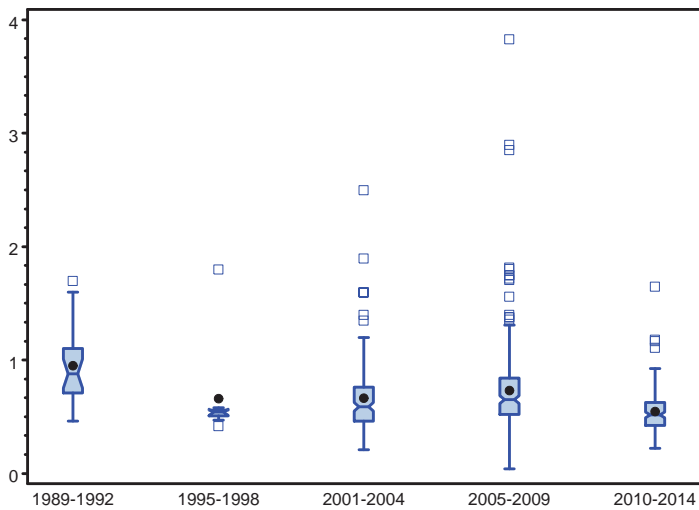
Silver Strand

Total Kjeldahl Nitrogen
(mg/L)



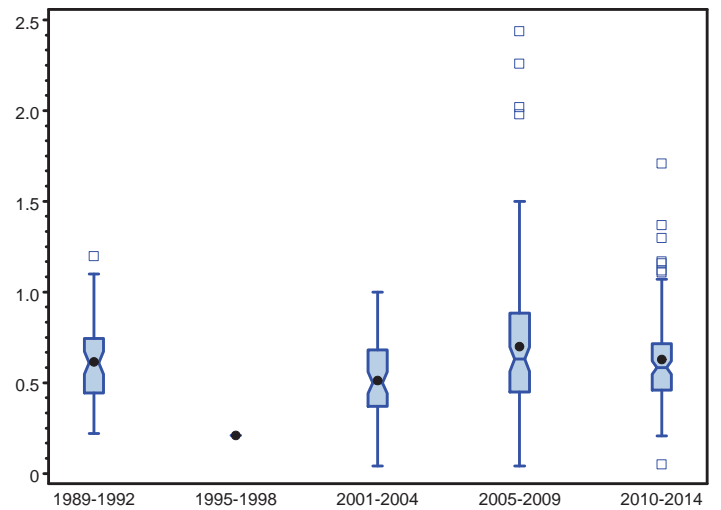
Tamiami Canal

Total Kjeldahl Nitrogen
(mg/L)

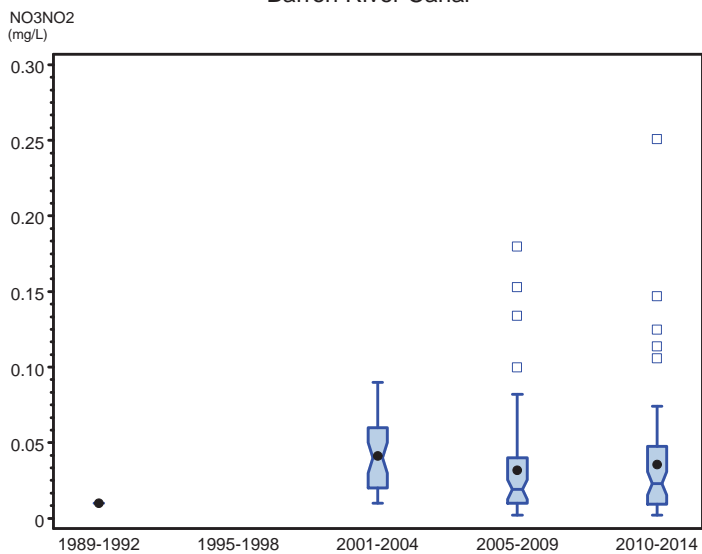


Ten Thousand Islands

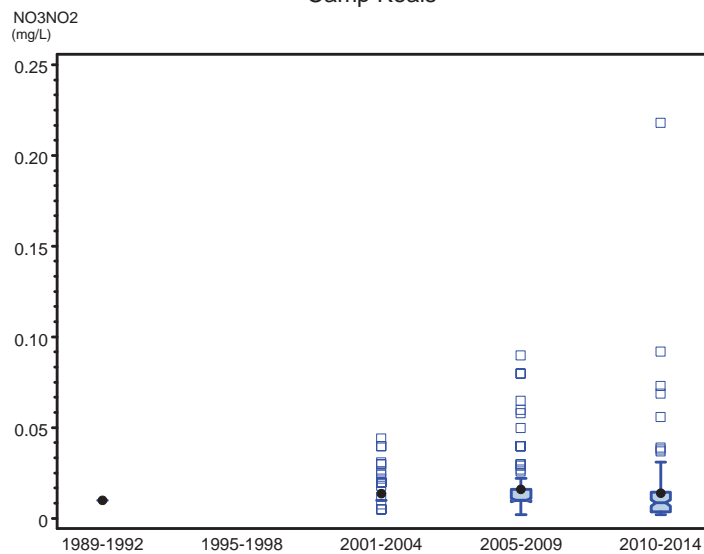
Total Kjeldahl Nitrogen
(mg/L)



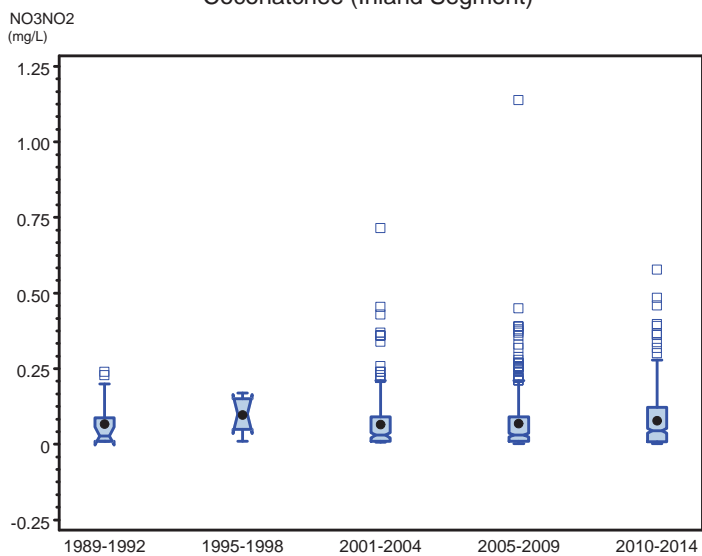
Barron River Canal



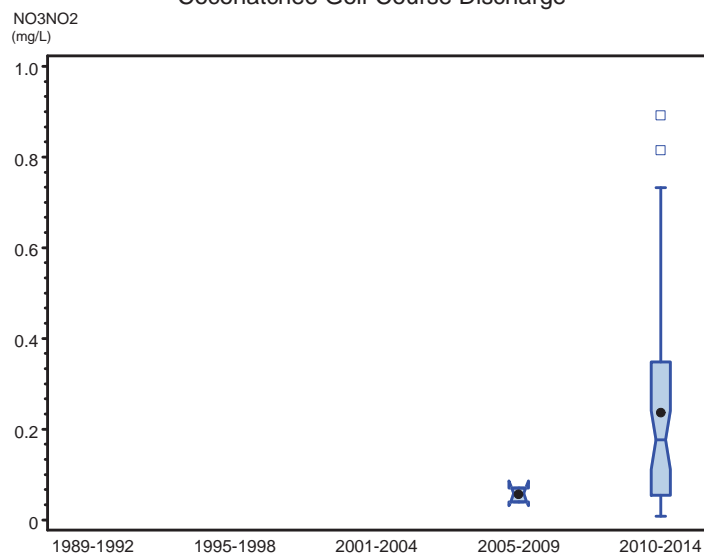
Camp Keais



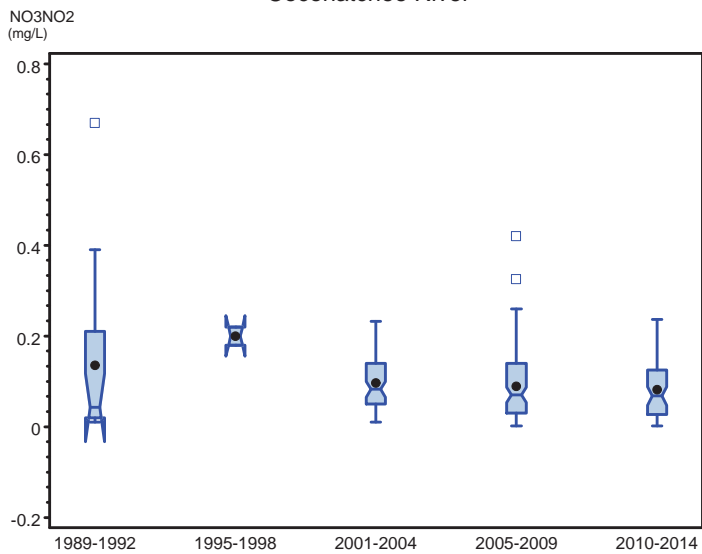
Cocohatchee (Inland Segment)



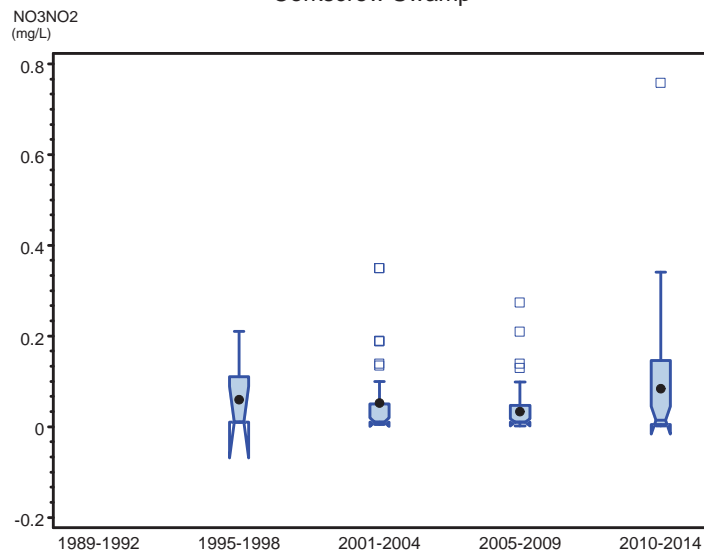
Cocohatchee Golf Course Discharge



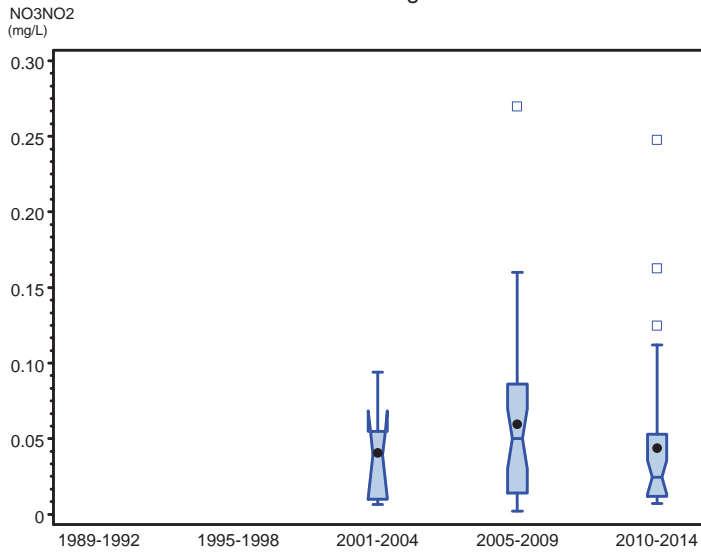
Cocohatchee River



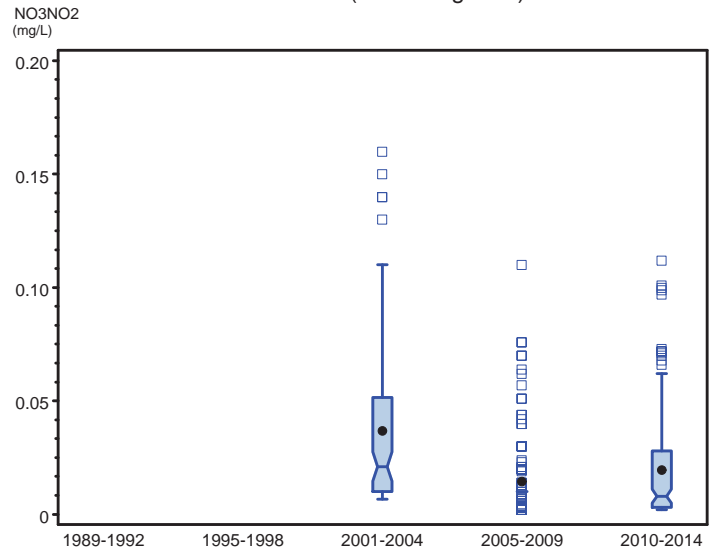
Corkscrew Swamp



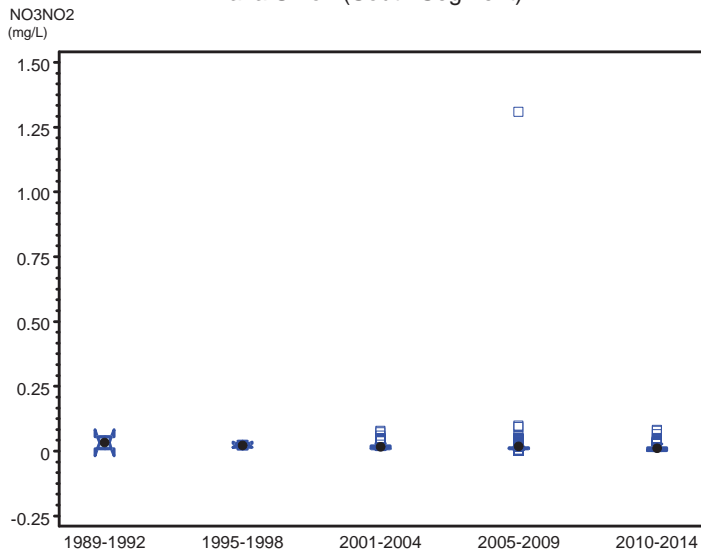
Cow Slough



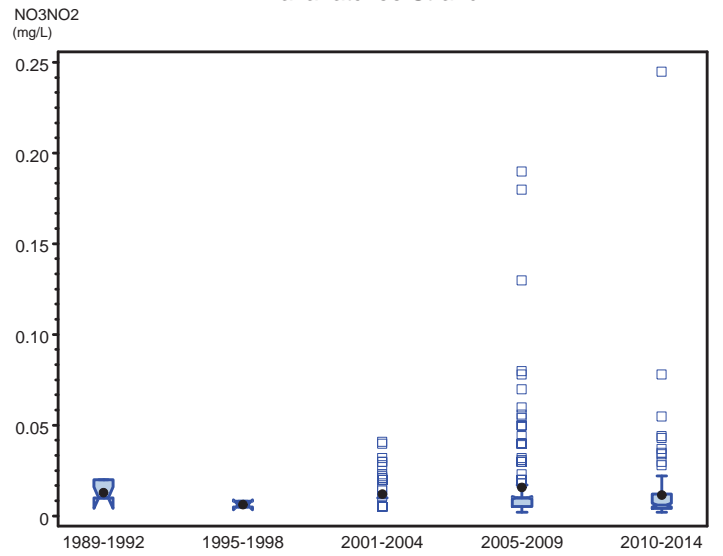
Faka Union (North Segment)



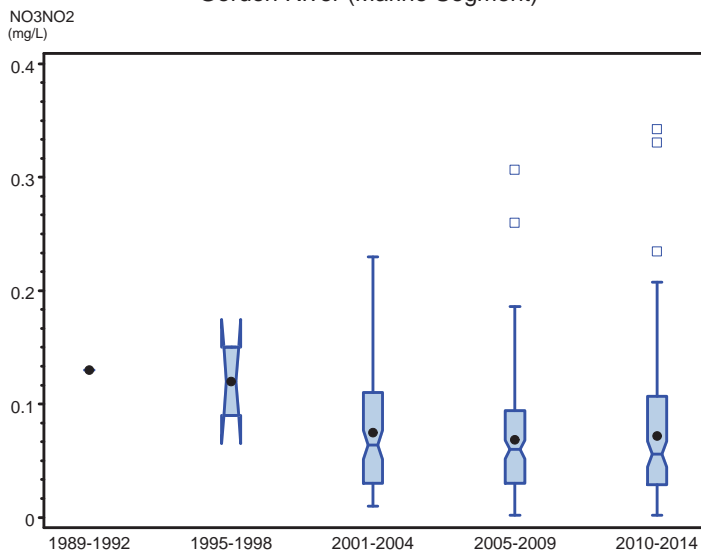
Faka Union (South Segment)



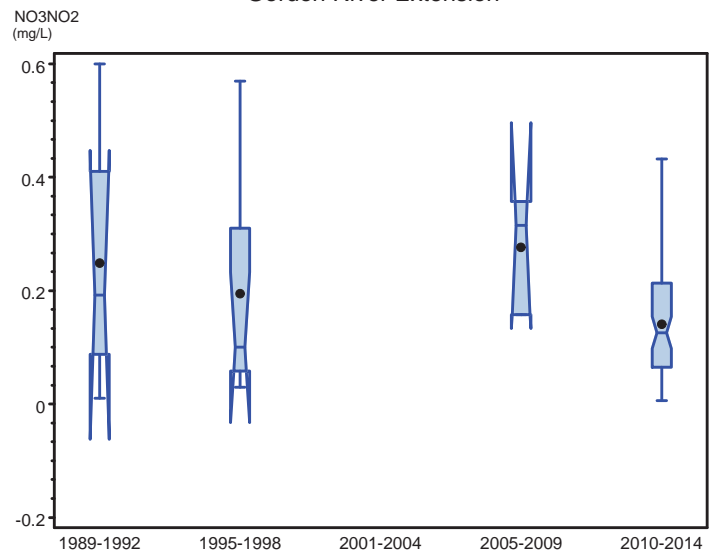
Fakahatchee Strand



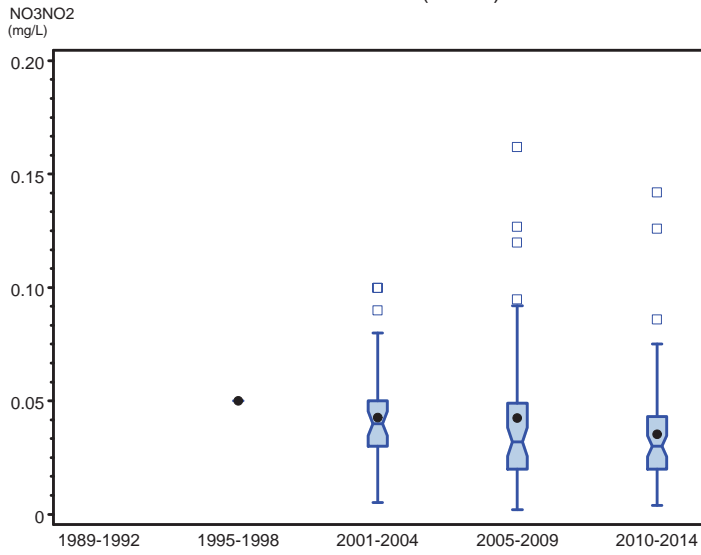
Gordon River (Marine Segment)



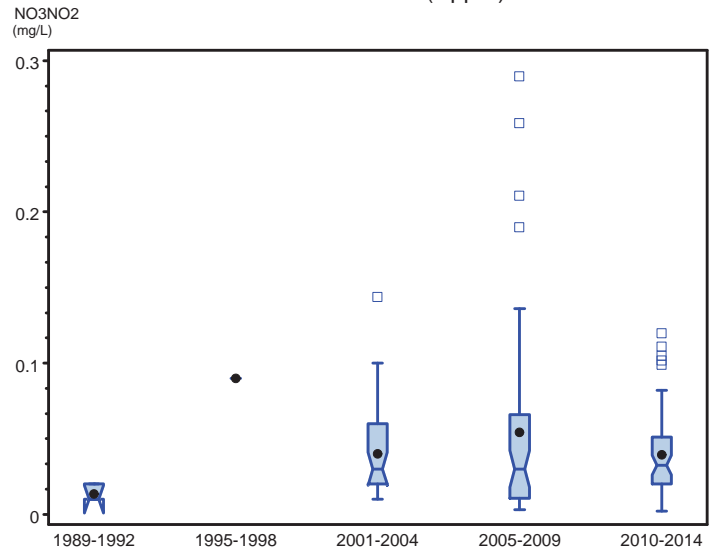
Gordon River Extension



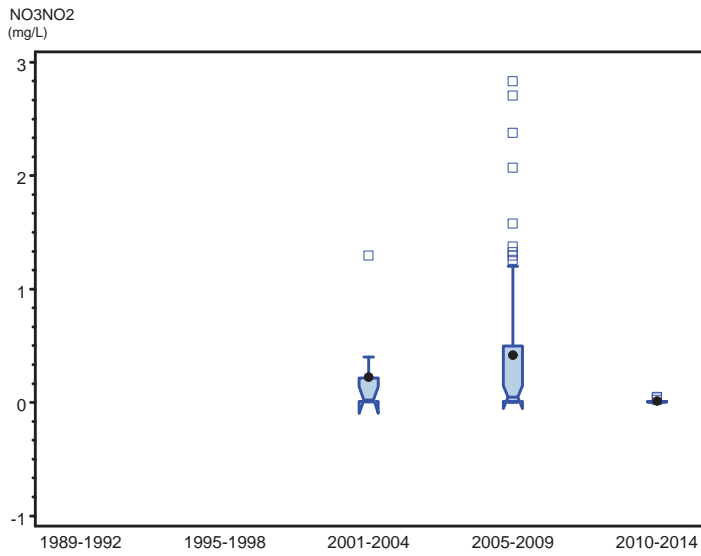
Haldeman Creek (Lower)



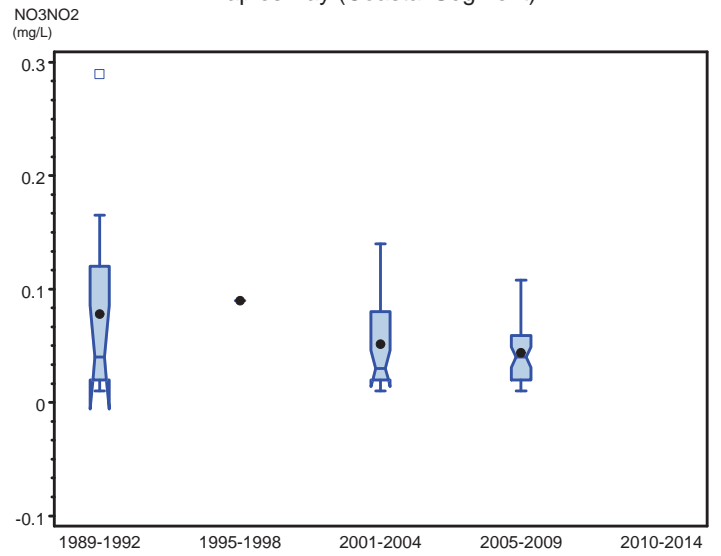
Haldeman Creek (Upper)



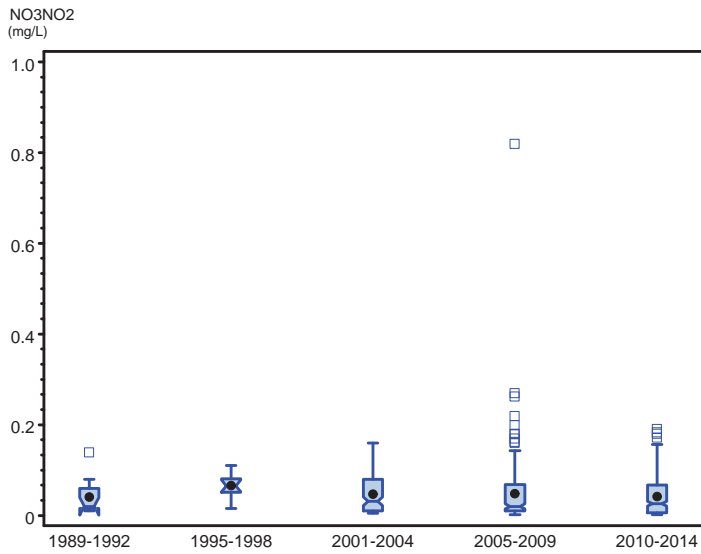
Immokalee Basin



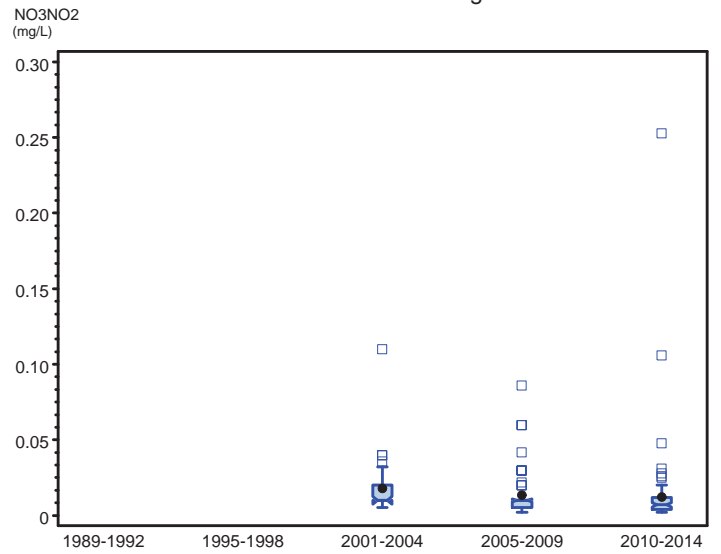
Naples Bay (Coastal Segment)



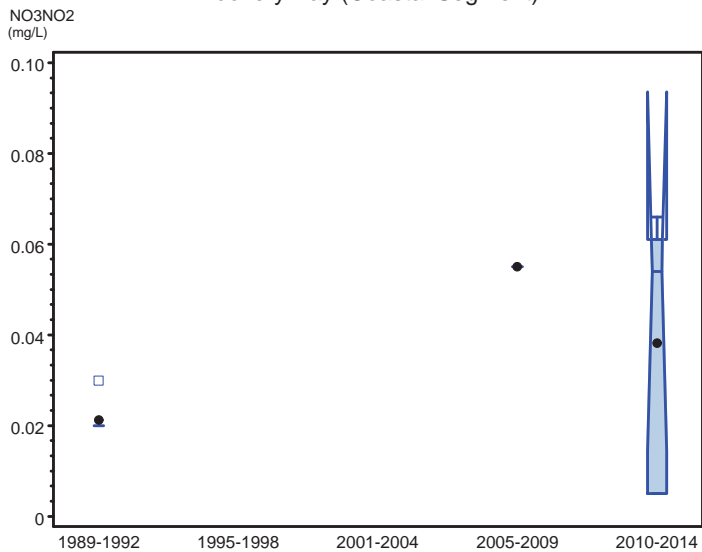
North Golden Gate



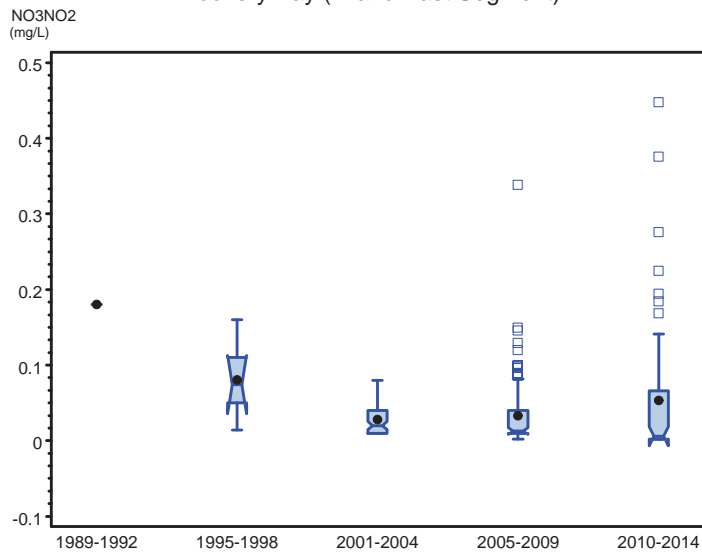
Okaloacoochee Slough



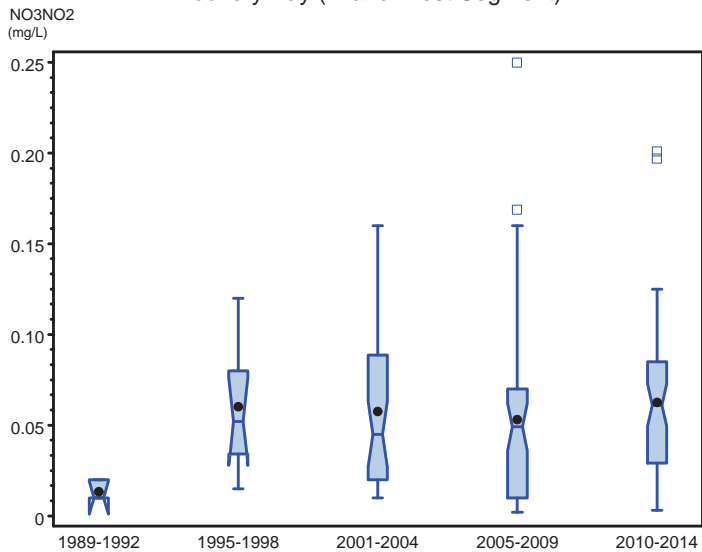
Rookery Bay (Coastal Segment)



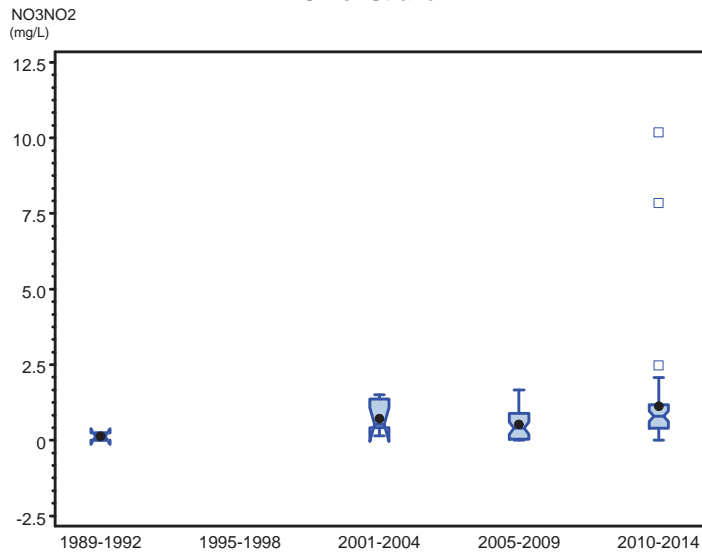
Rookery Bay (Inland East Segment)



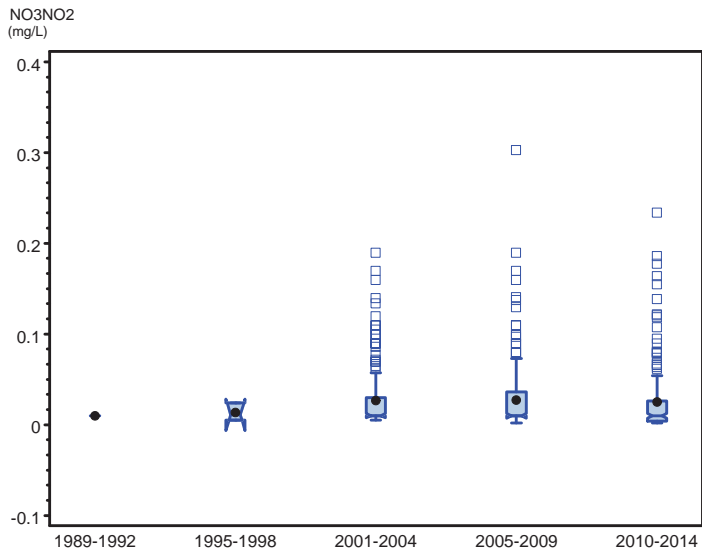
Rookery Bay (Inland West Segment)



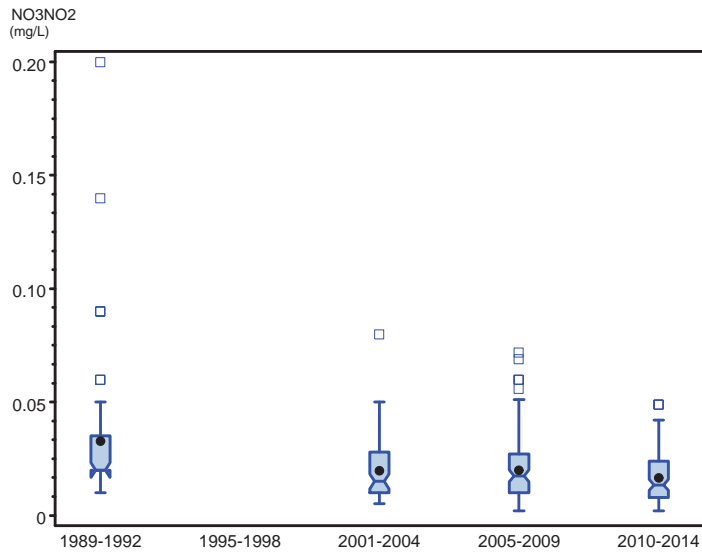
Silver Strand



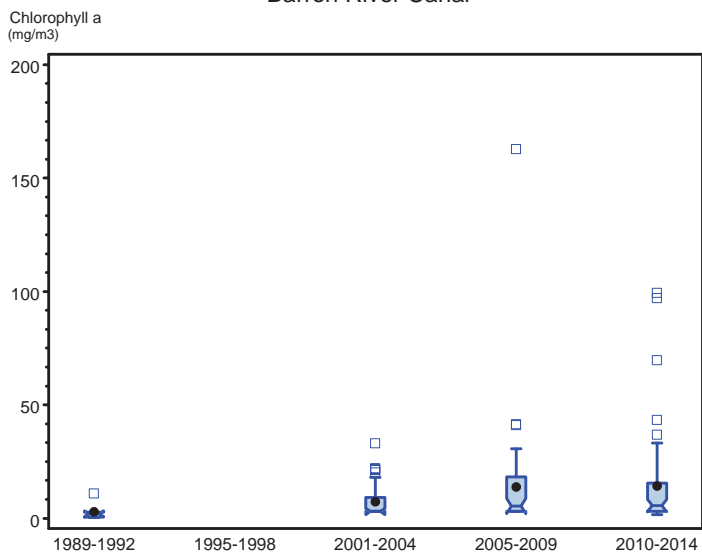
Tamiami Canal



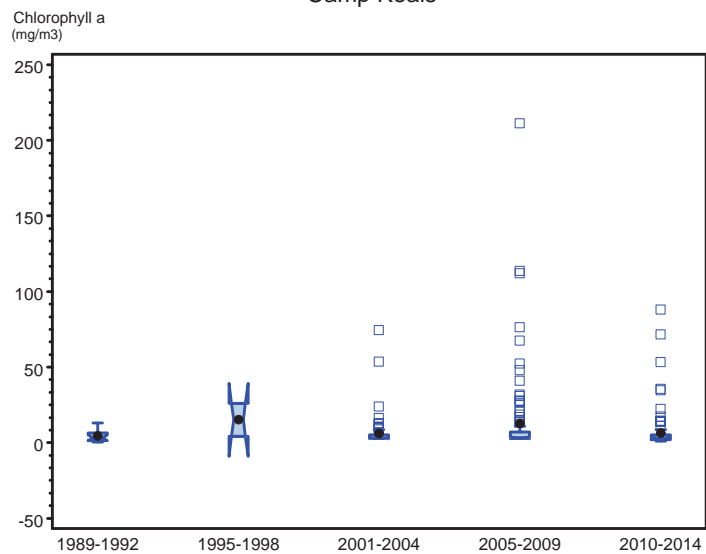
Ten Thousand Islands



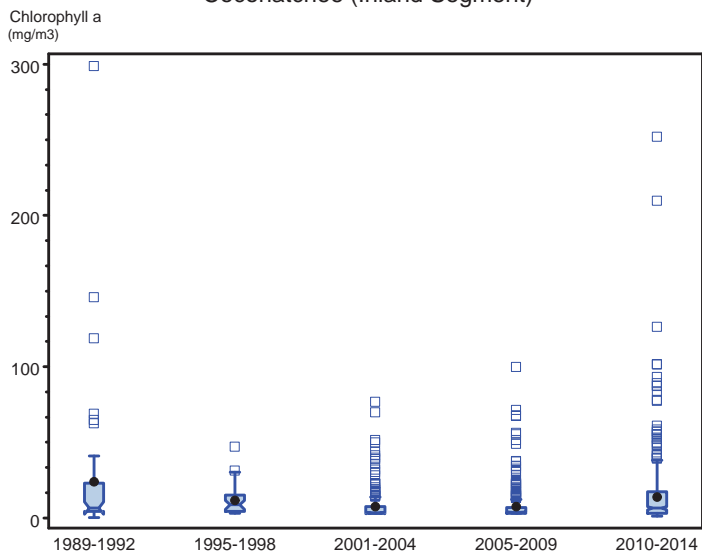
Barron River Canal



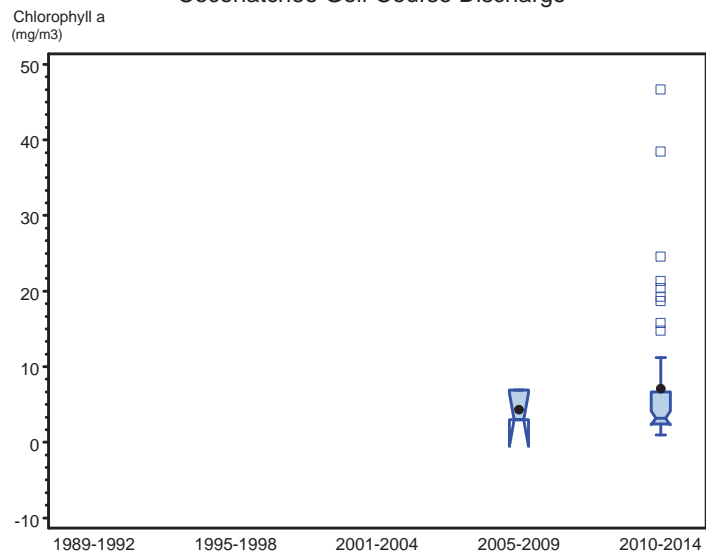
Camp Keais



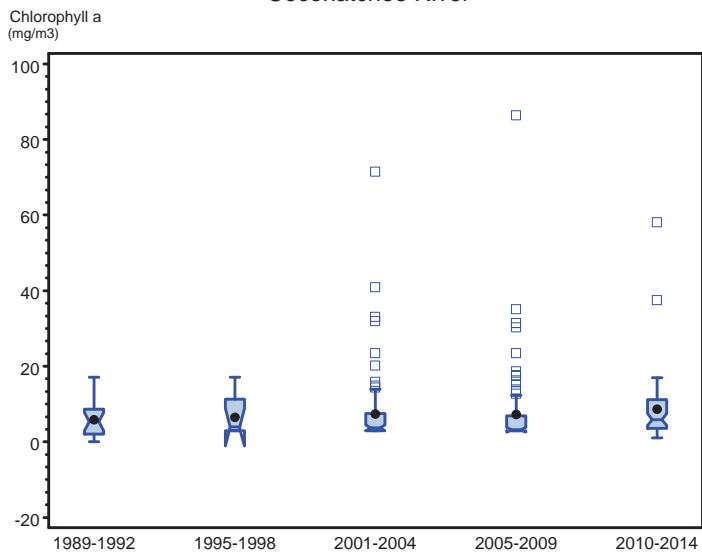
Cocohatchee (Inland Segment)



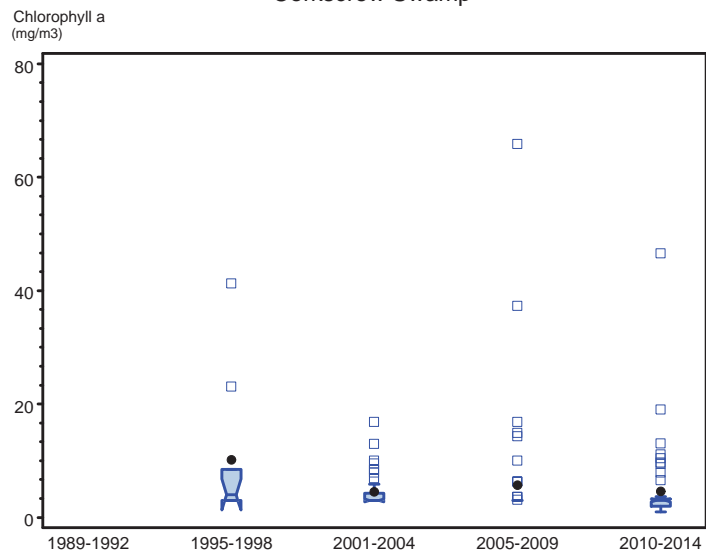
Cocohatchee Golf Course Discharge



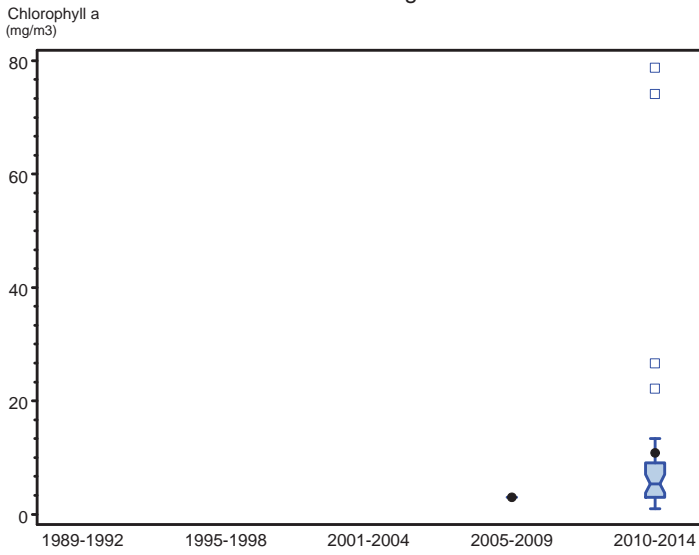
Cocohatchee River



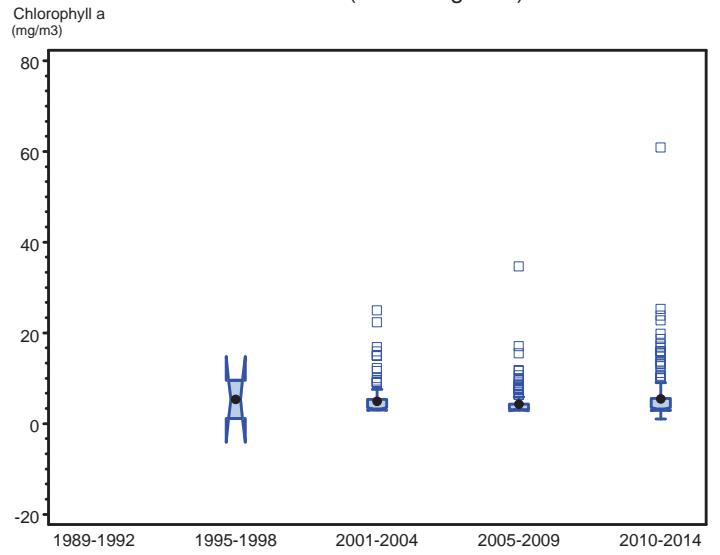
Corkscrew Swamp



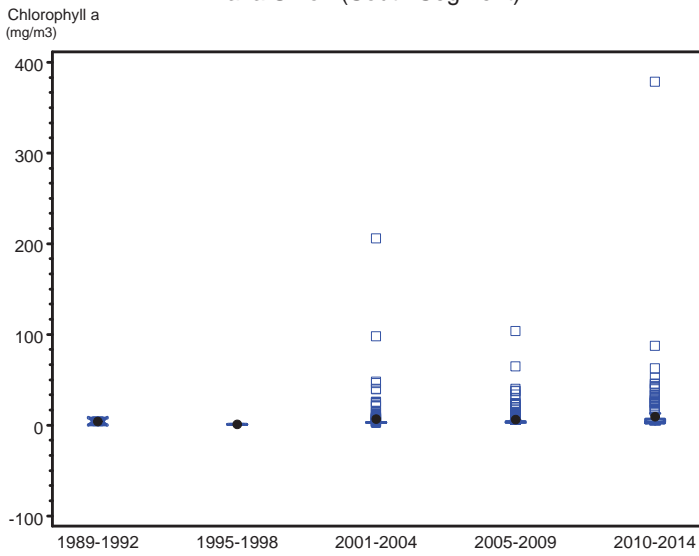
Cow Slough



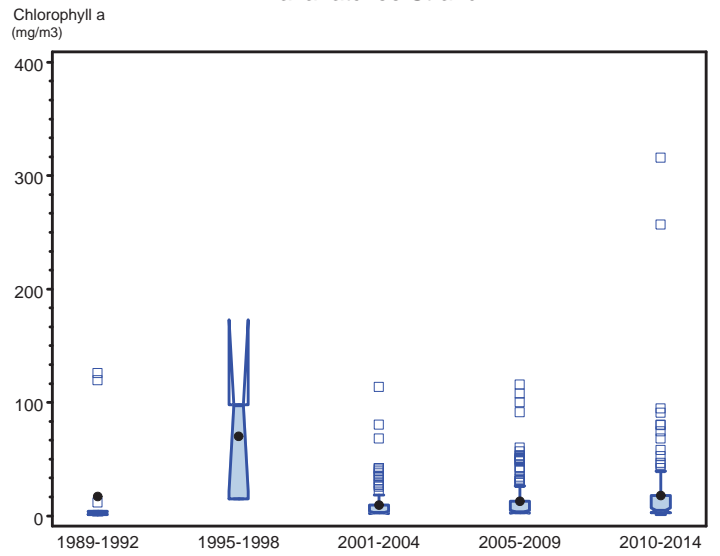
Faka Union (North Segment)



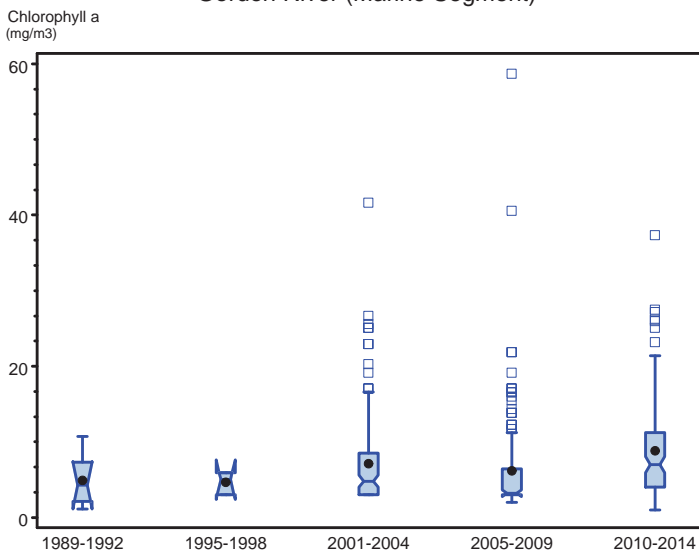
Faka Union (South Segment)



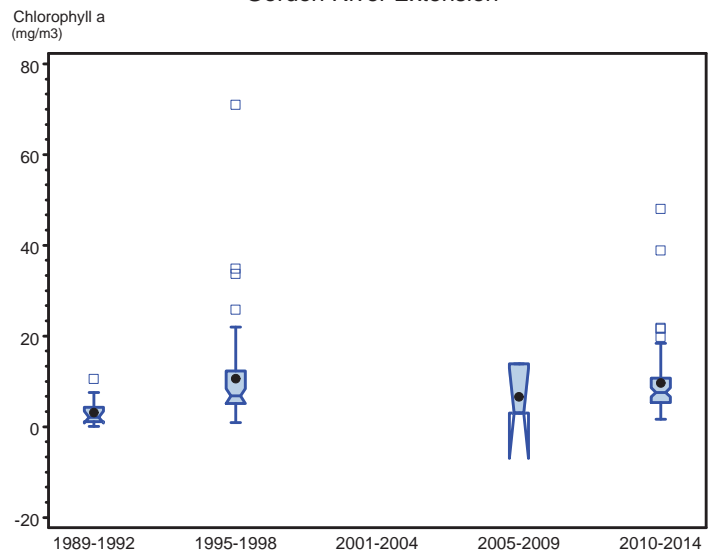
Fakahatchee Strand



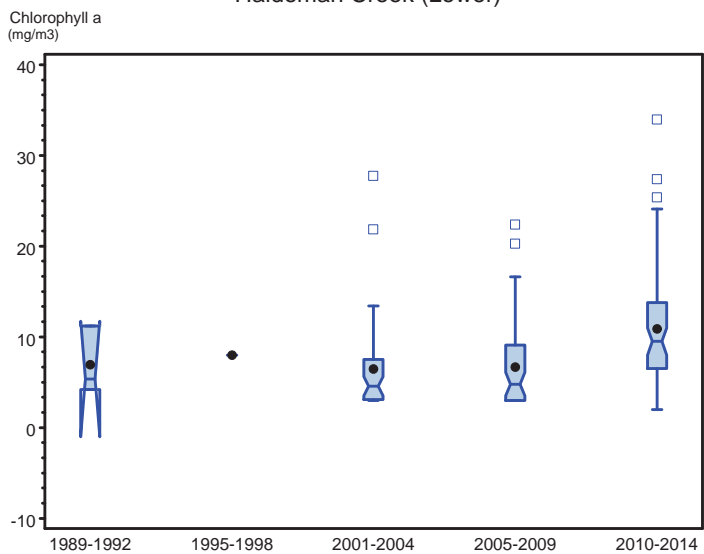
Gordon River (Marine Segment)



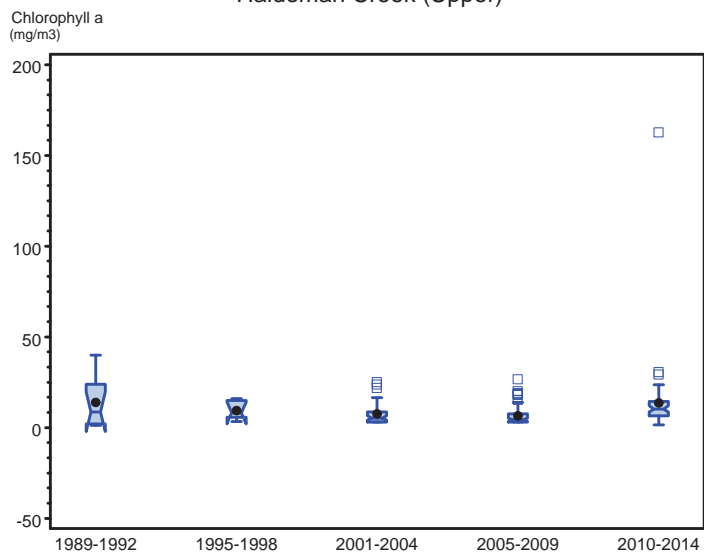
Gordon River Extension



Haldeman Creek (Lower)



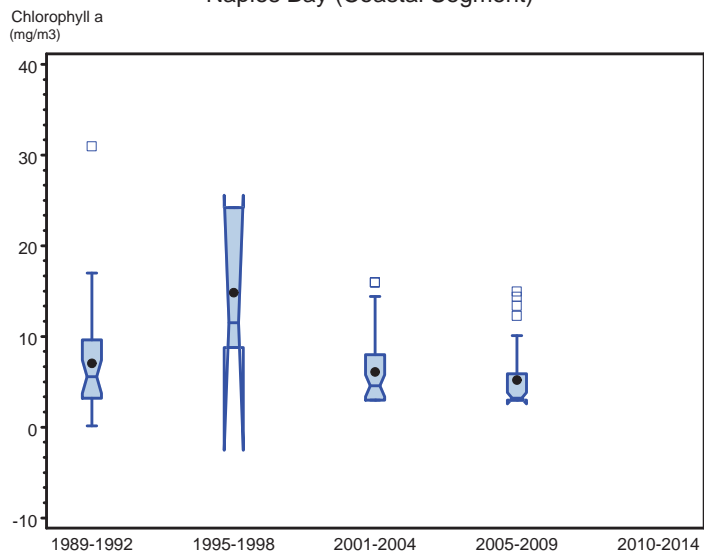
Haldeman Creek (Upper)



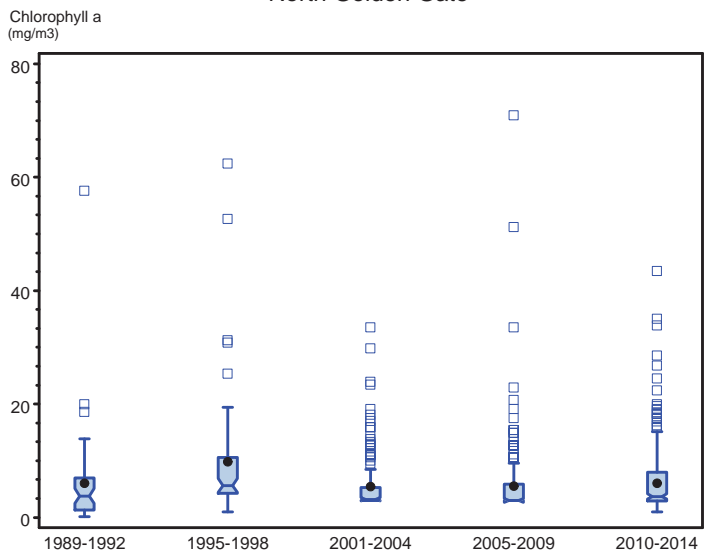
Immokalee Basin



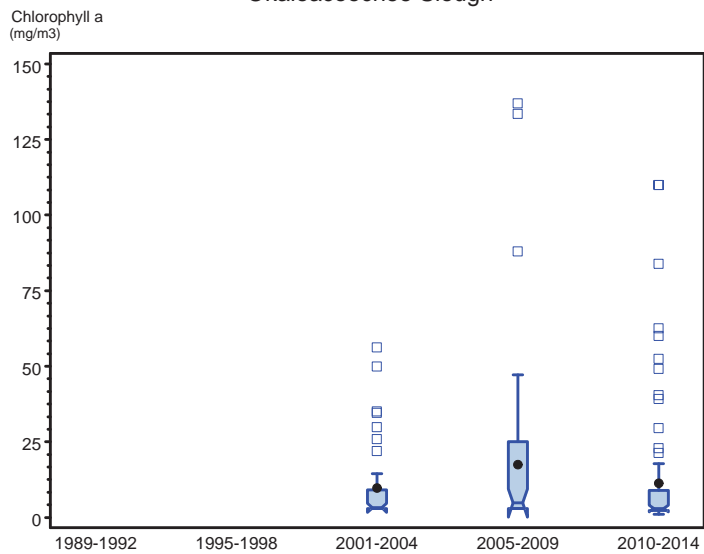
Naples Bay (Coastal Segment)



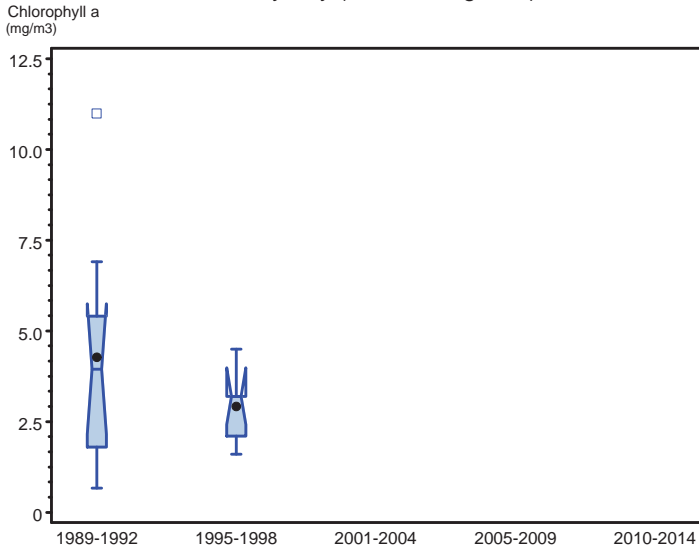
North Golden Gate



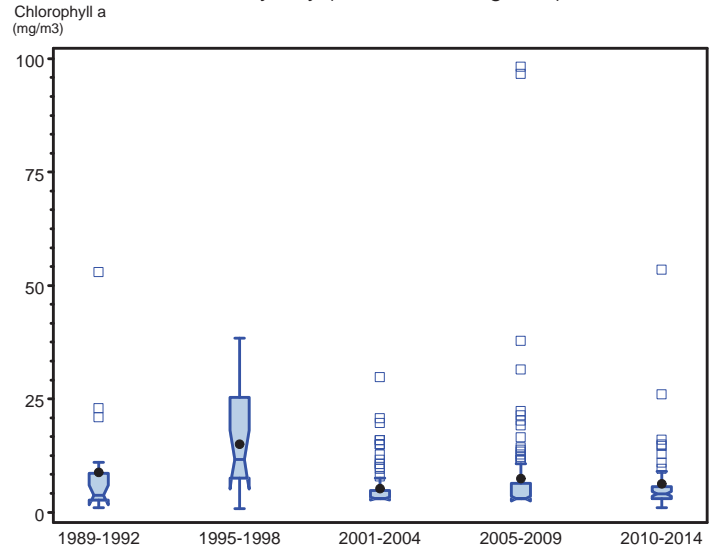
Okaloacoochee Slough



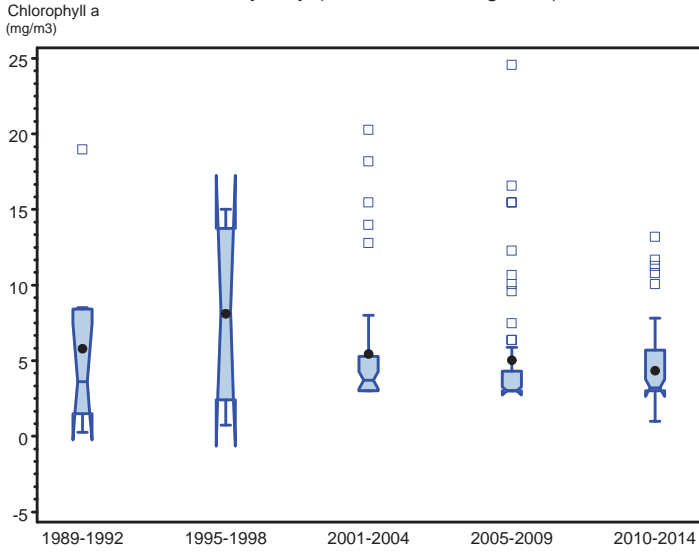
Rookery Bay (Coastal Segment)



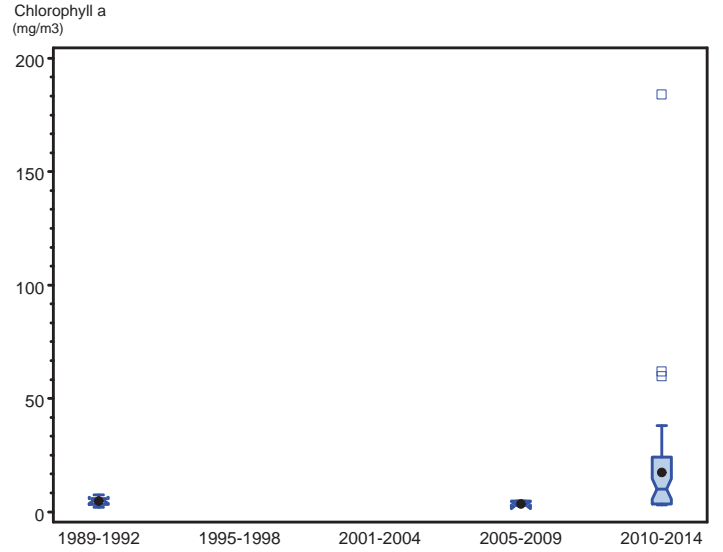
Rookery Bay (Inland East Segment)



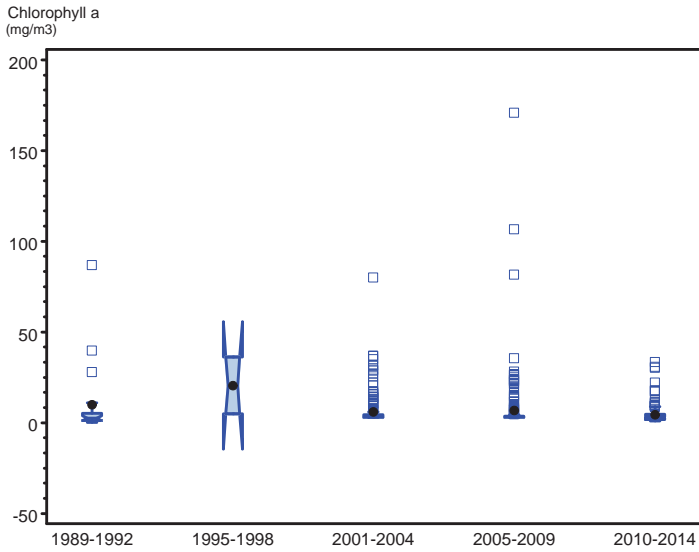
Rookery Bay (Inland West Segment)



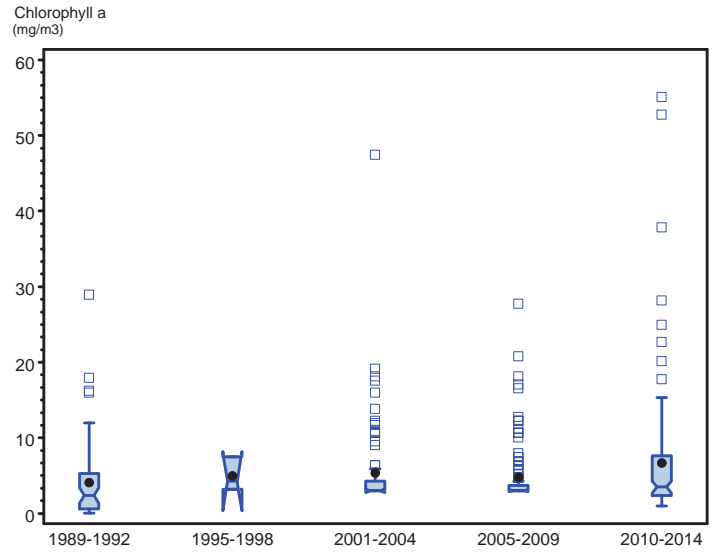
Silver Strand



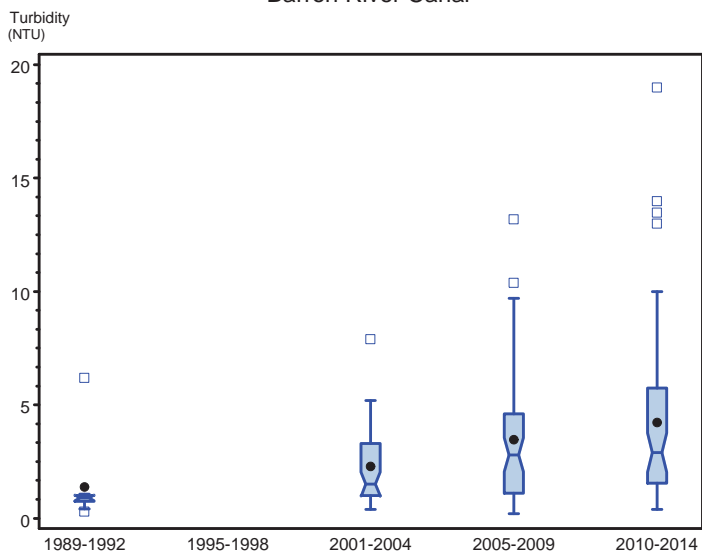
Tamiami Canal



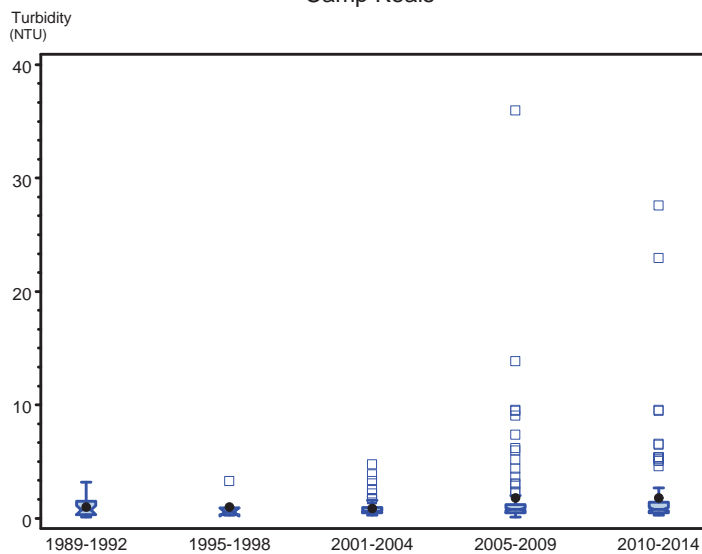
Ten Thousand Islands



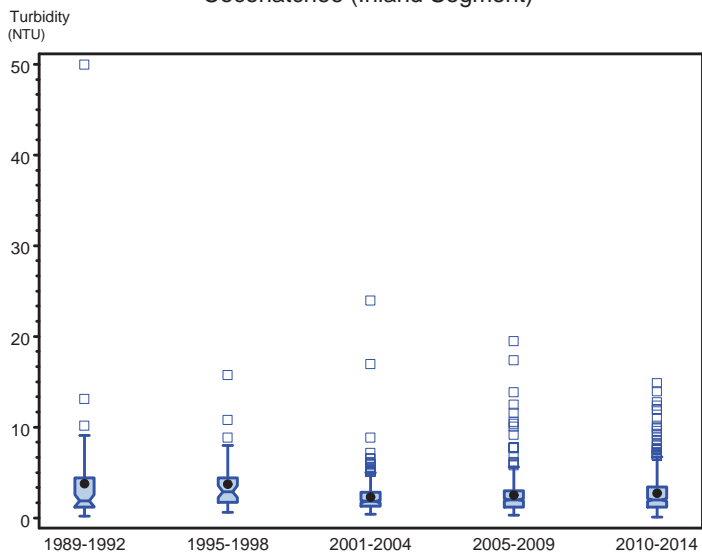
Barron River Canal



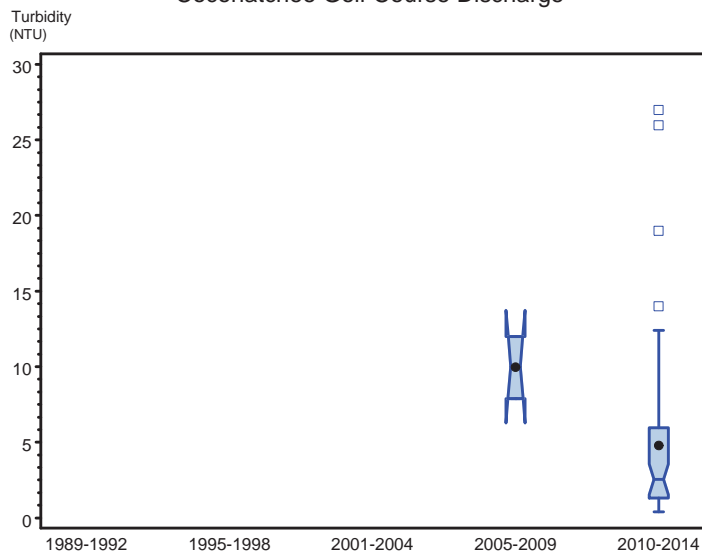
Camp Keais



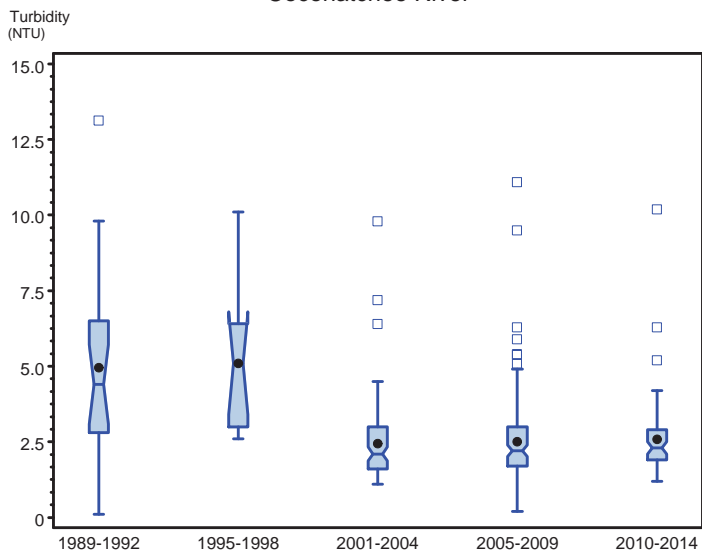
Cocohatchee (Inland Segment)



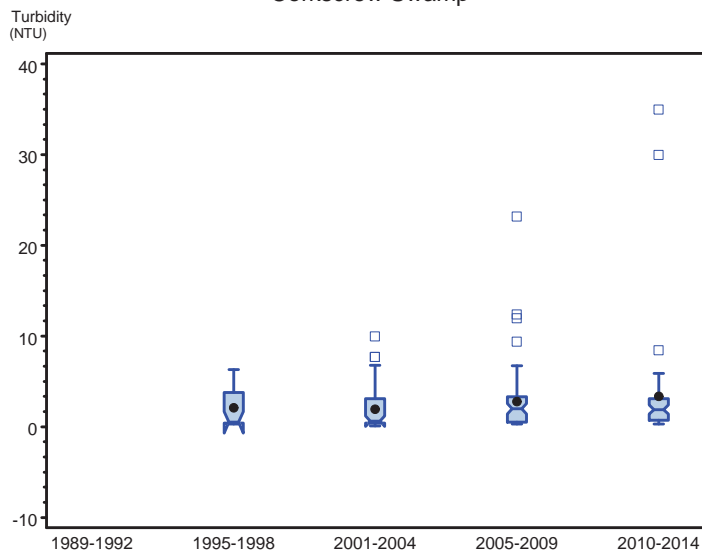
Cocohatchee Golf Course Discharge



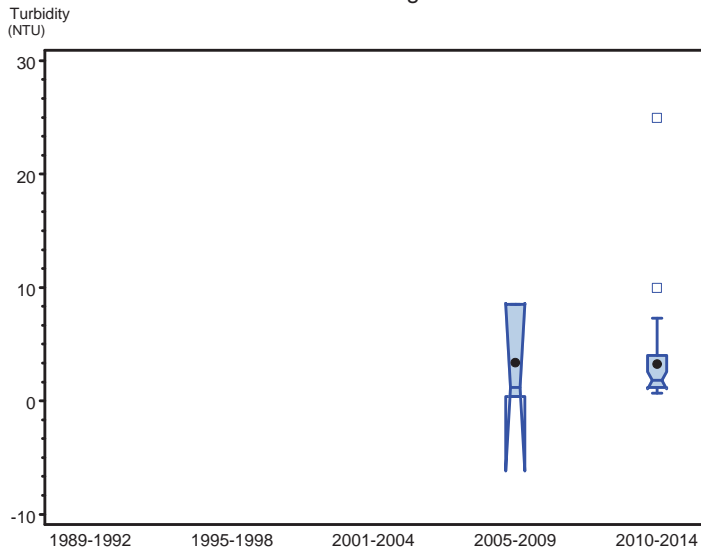
Cocohatchee River



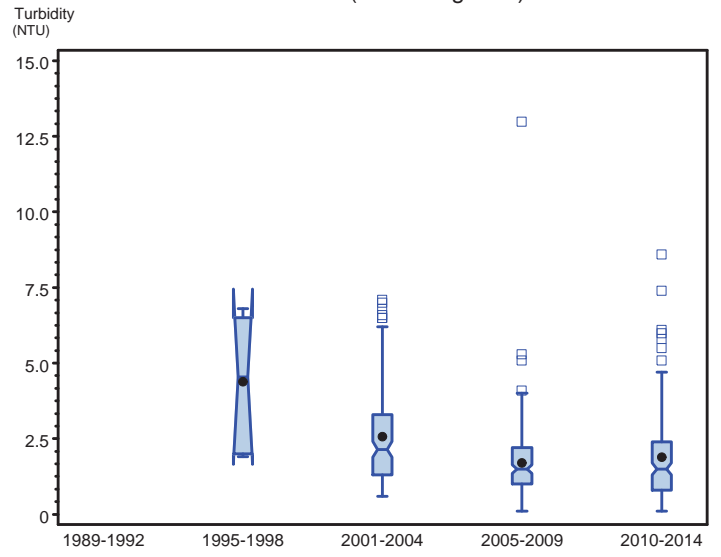
Corkscrew Swamp



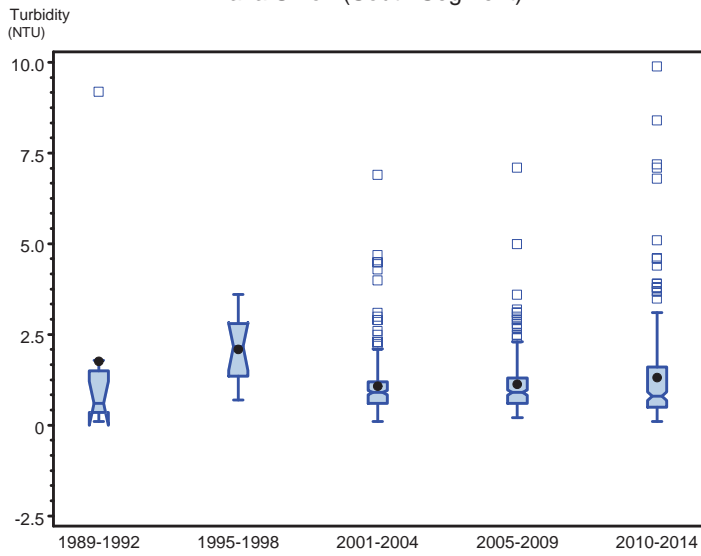
Cow Slough



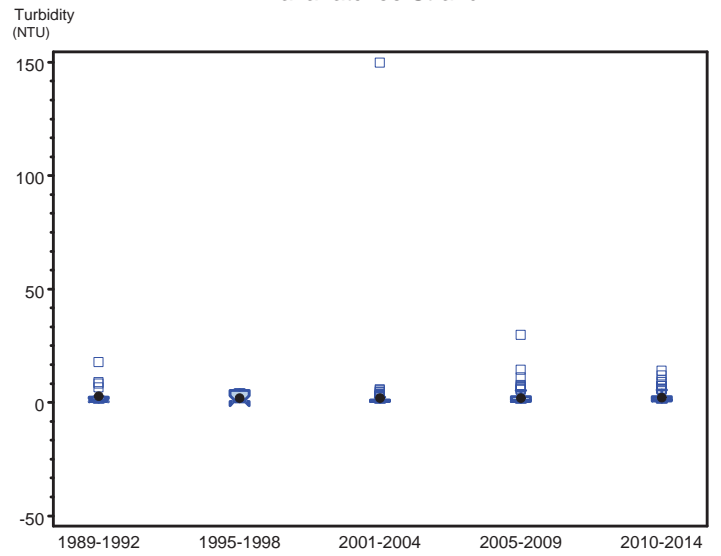
Faka Union (North Segment)



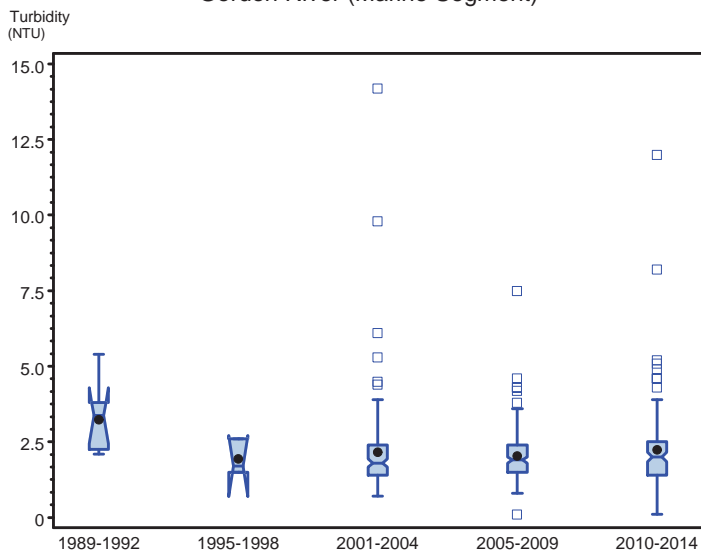
Faka Union (South Segment)



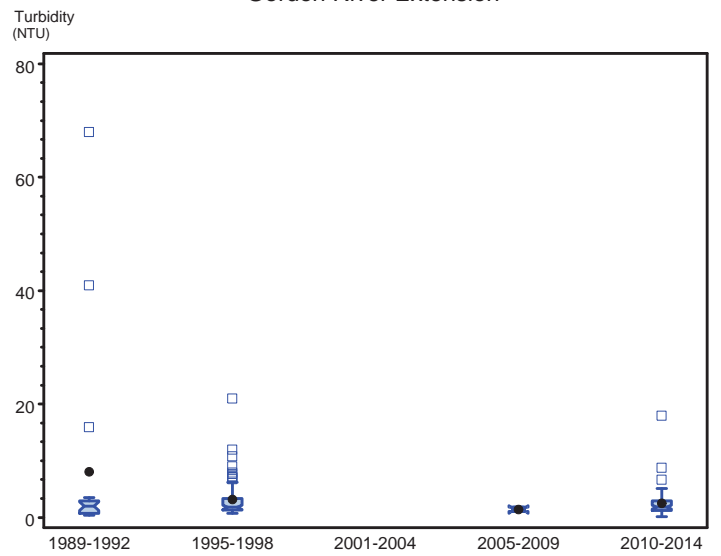
Fakahatchee Strand



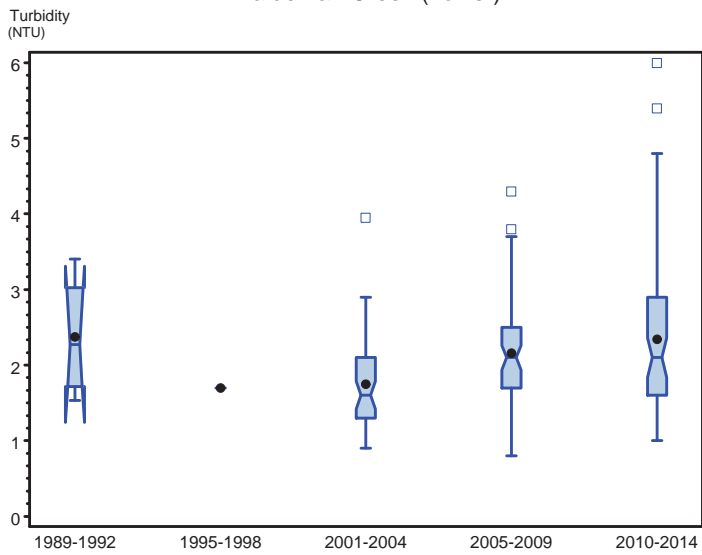
Gordon River (Marine Segment)



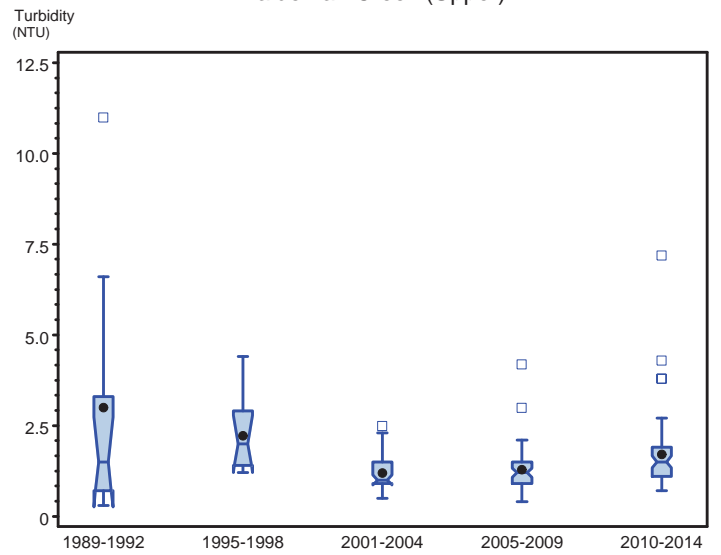
Gordon River Extension



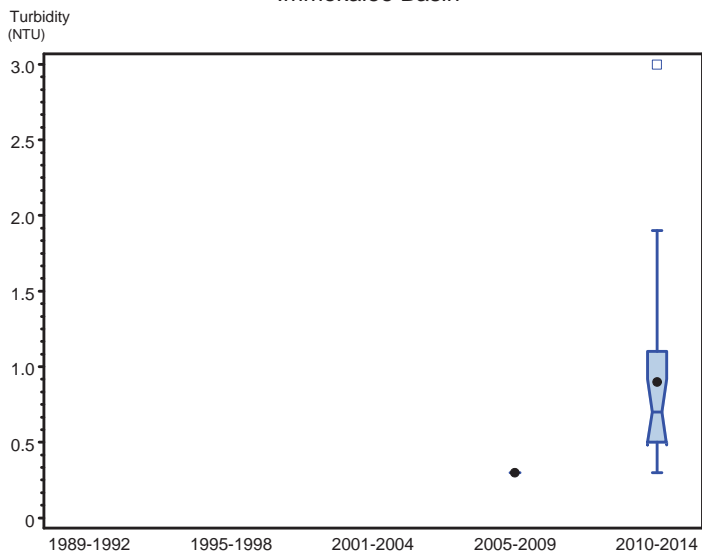
Haldeman Creek (Lower)



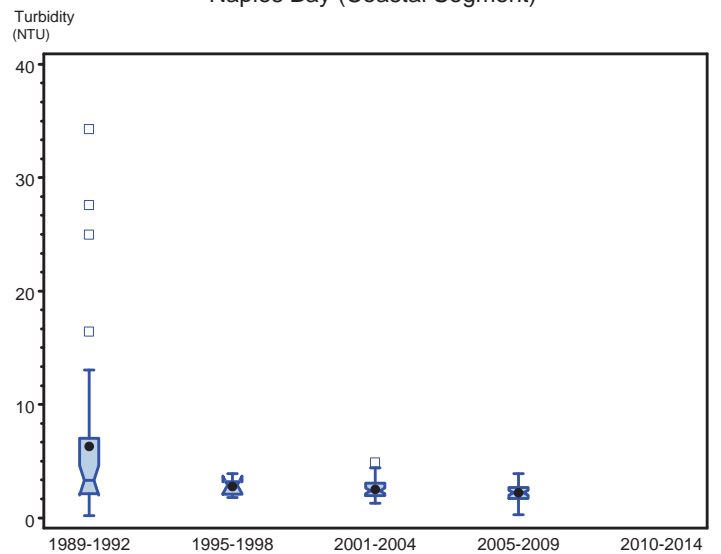
Haldeman Creek (Upper)



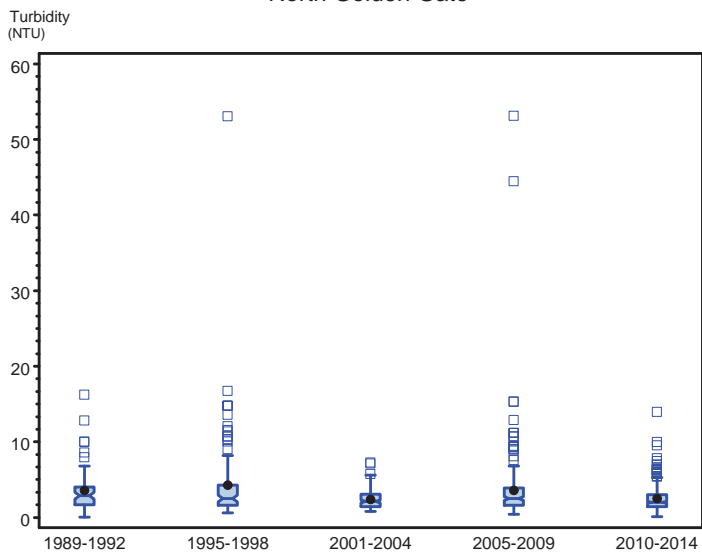
Immokalee Basin



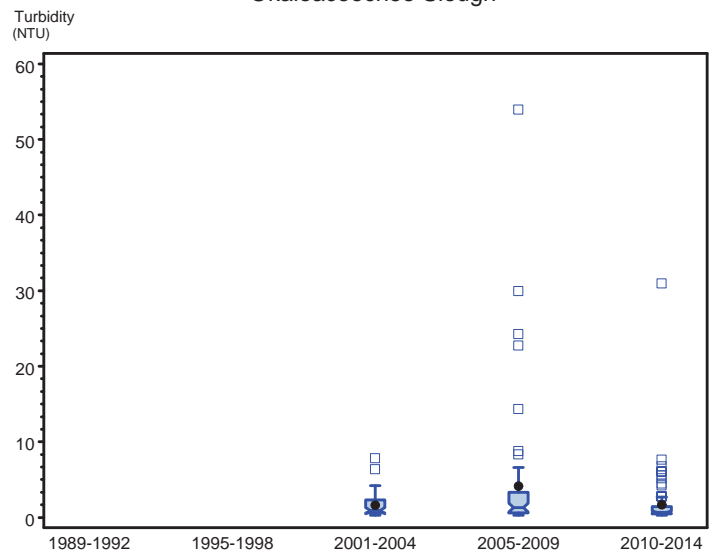
Naples Bay (Coastal Segment)



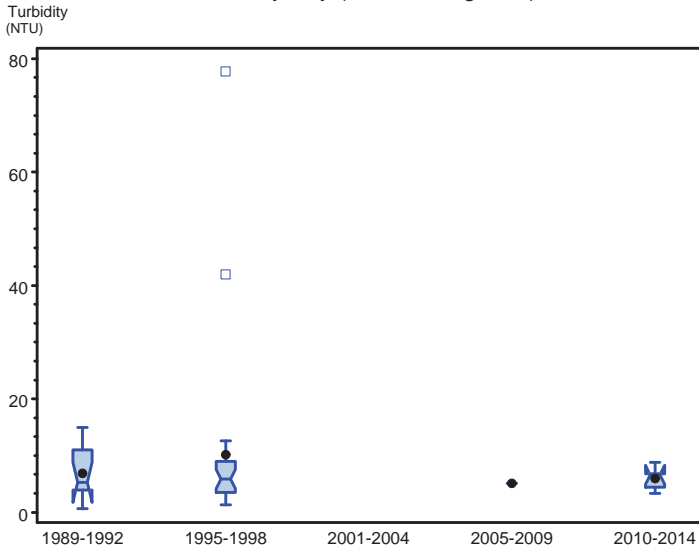
North Golden Gate



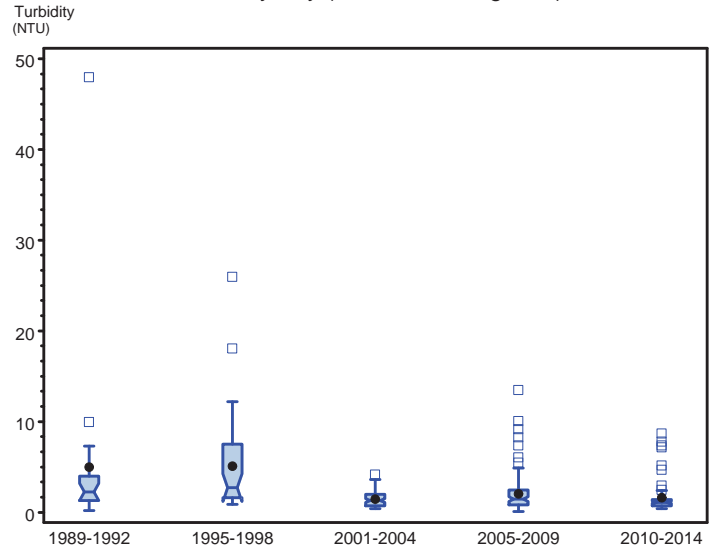
Okaloacoochee Slough



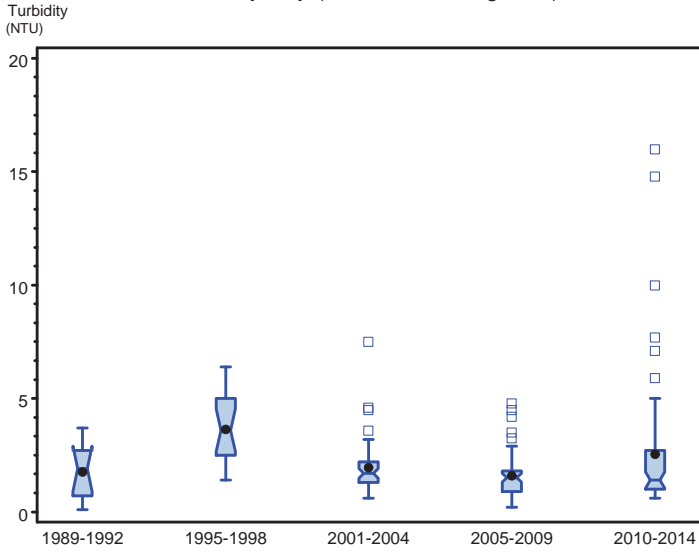
Rookery Bay (Coastal Segment)



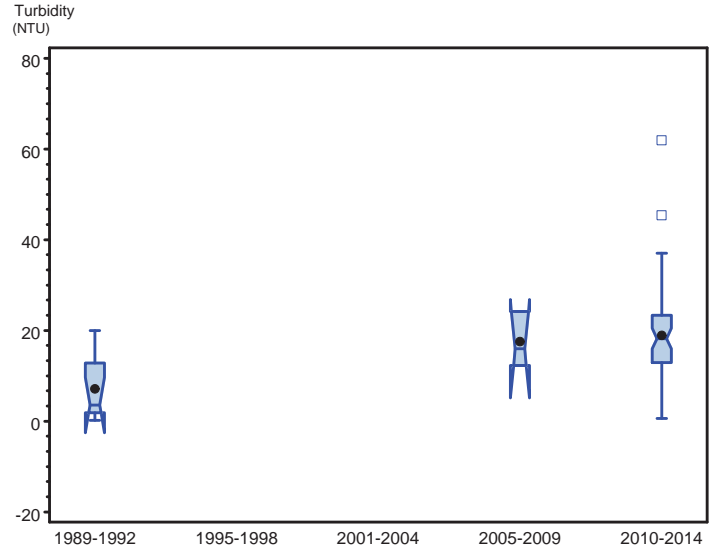
Rookery Bay (Inland East Segment)



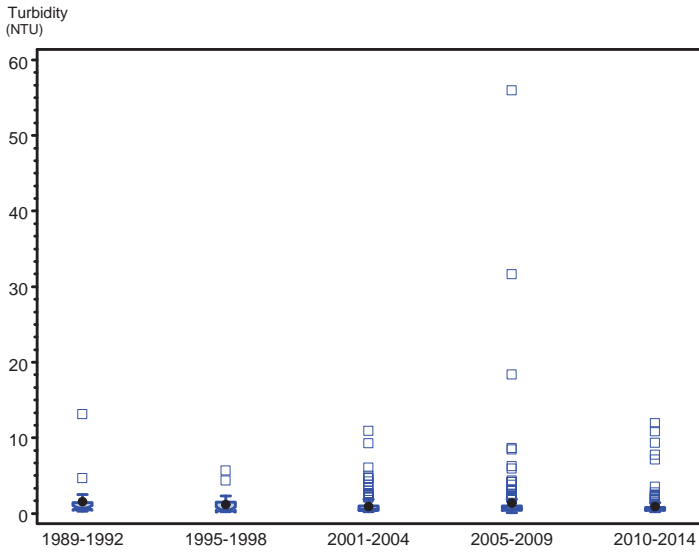
Rookery Bay (Inland West Segment)



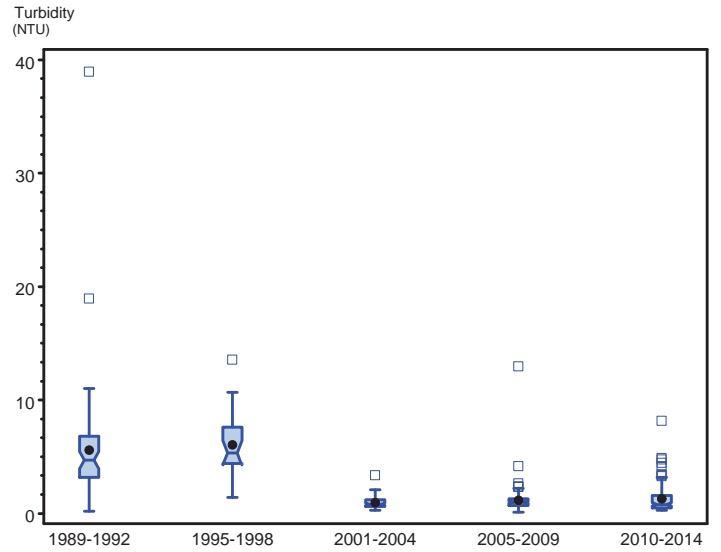
Silver Strand



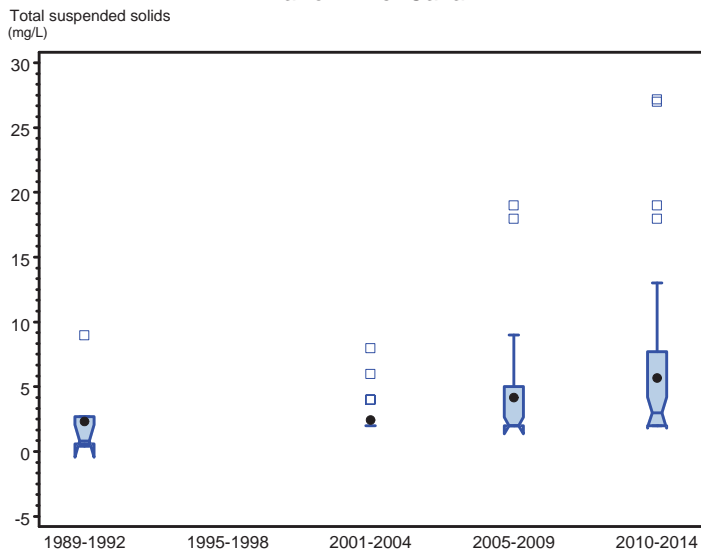
Tamiami Canal



Ten Thousand Islands



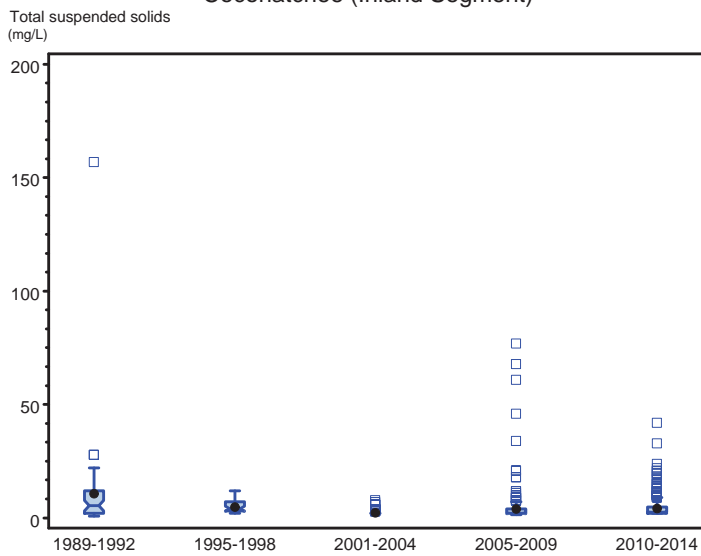
Barron River Canal



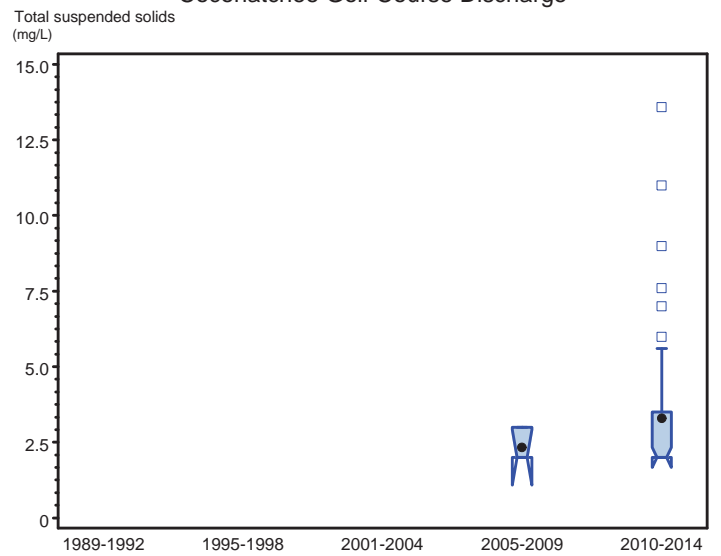
Camp Keais



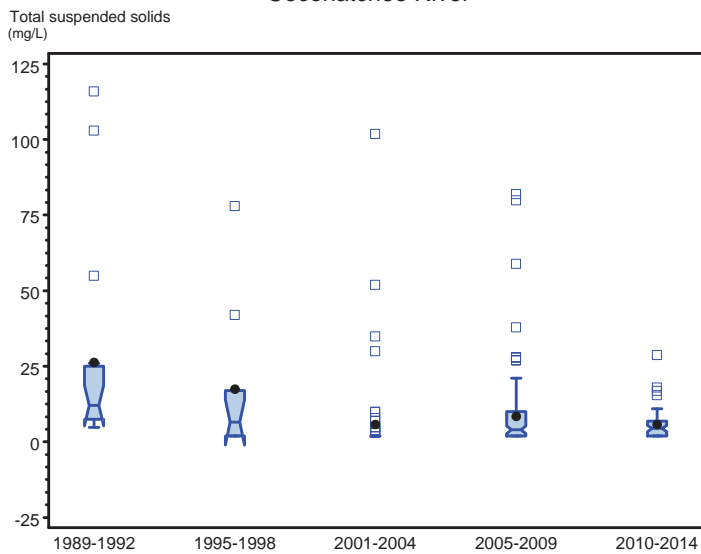
Cocohatchee (Inland Segment)



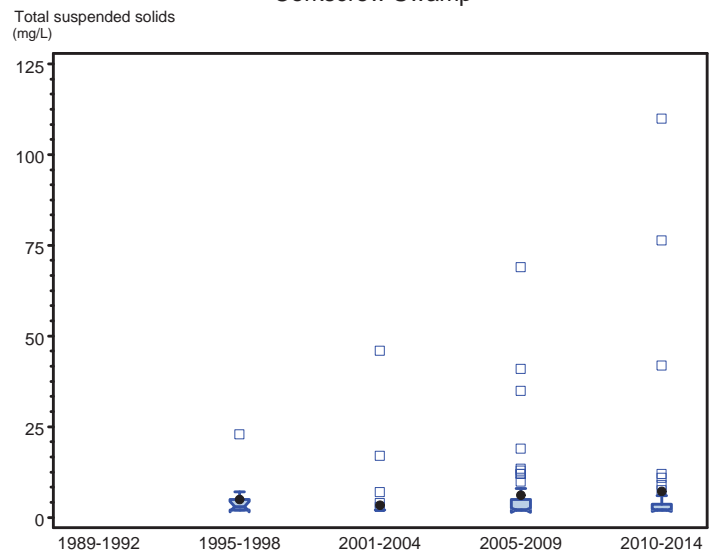
Cocohatchee Golf Course Discharge



Cocohatchee River

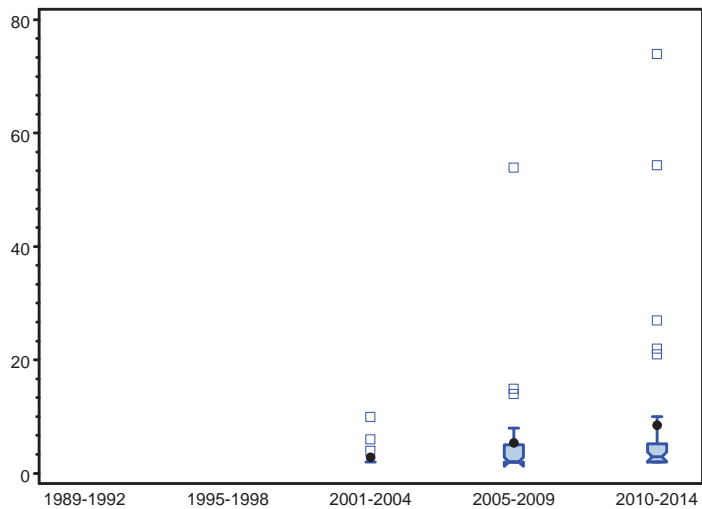


Corkscrew Swamp



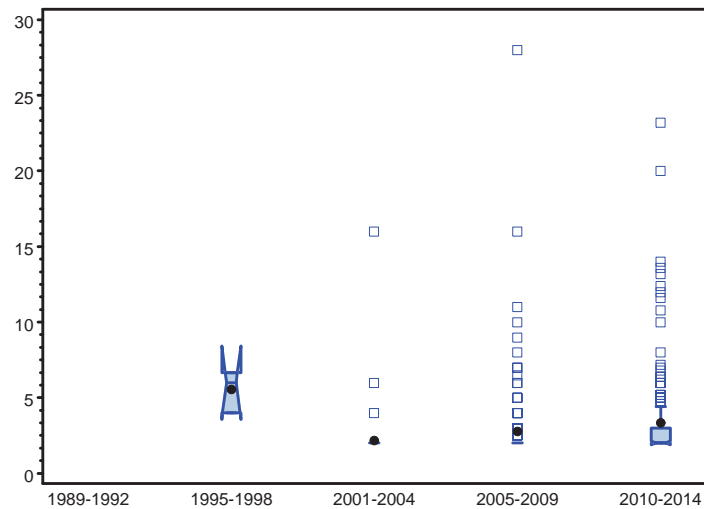
Cow Slough

Total suspended solids (mg/L)



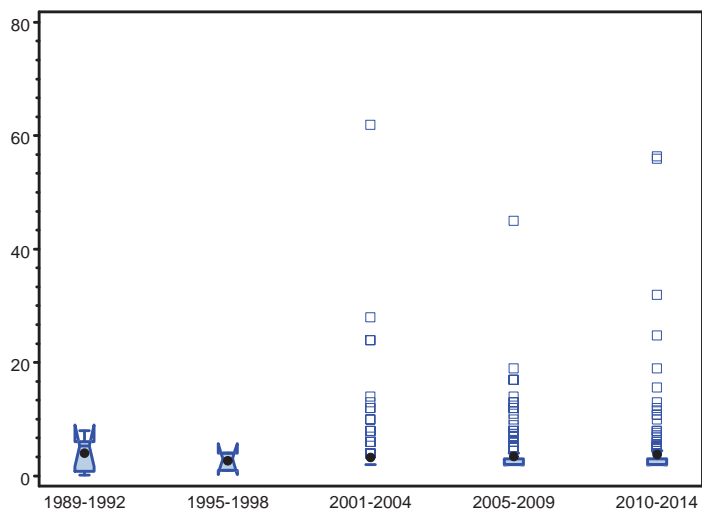
Faka Union (North Segment)

Total suspended solids (mg/L)



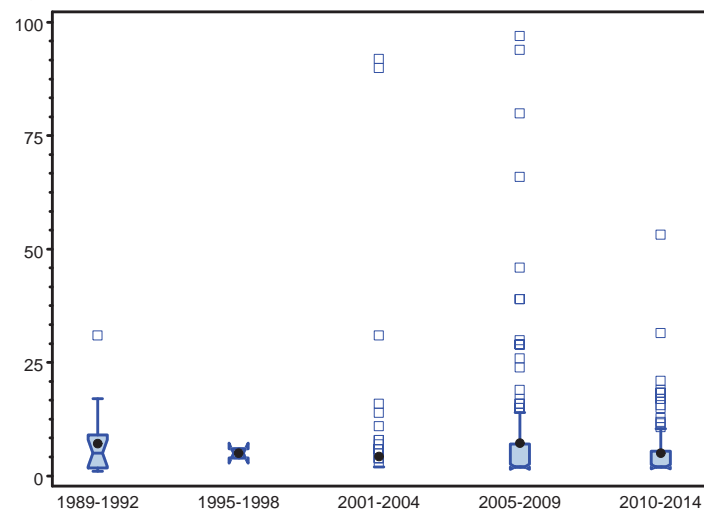
Faka Union (South Segment)

Total suspended solids (mg/L)



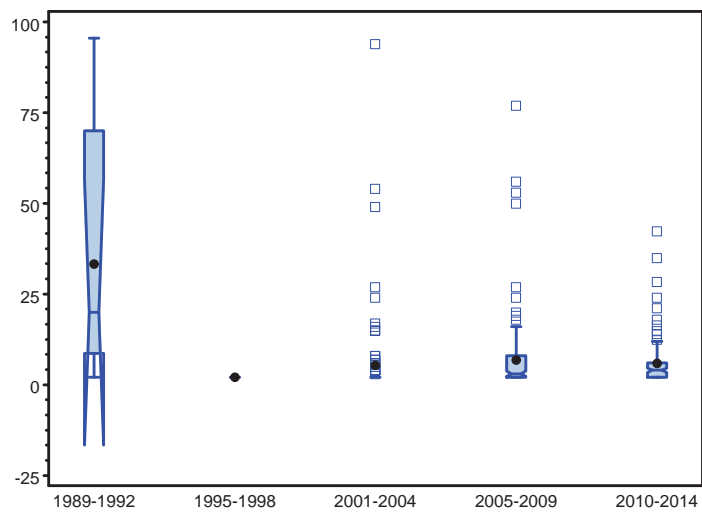
Fakahatchee Strand

Total suspended solids (mg/L)



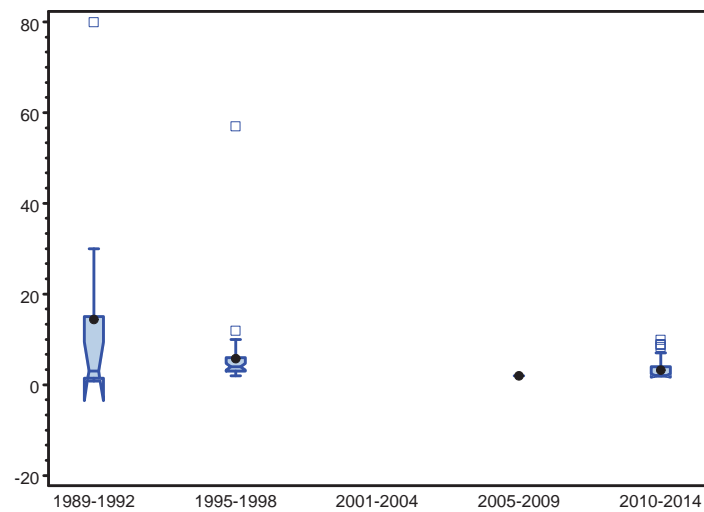
Gordon River (Marine Segment)

Total suspended solids (mg/L)

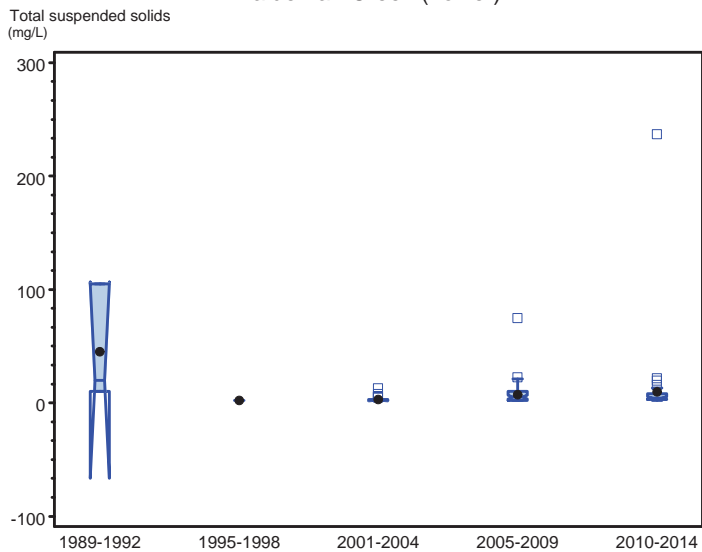


Gordon River Extension

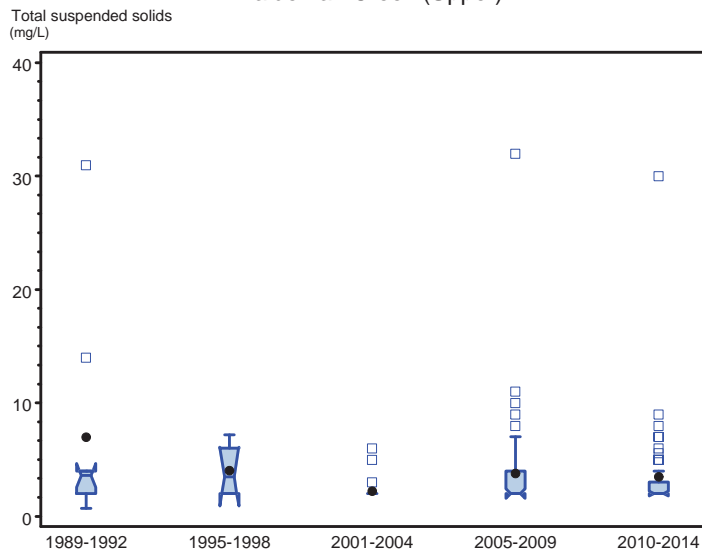
Total suspended solids (mg/L)



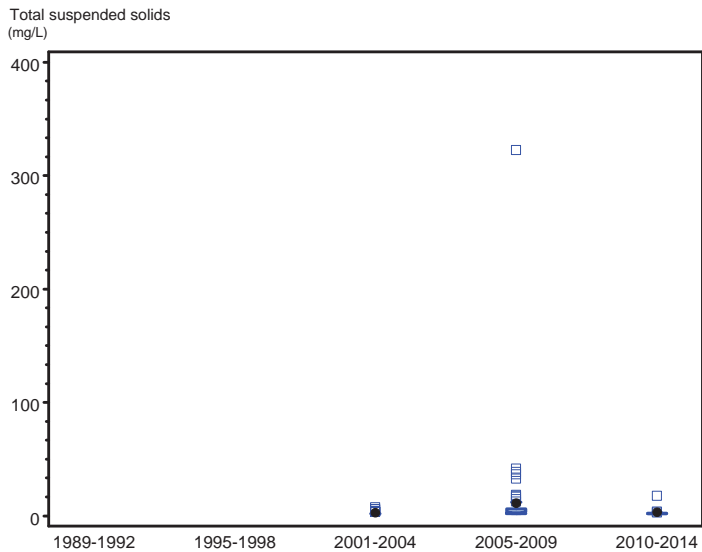
Haldeman Creek (Lower)



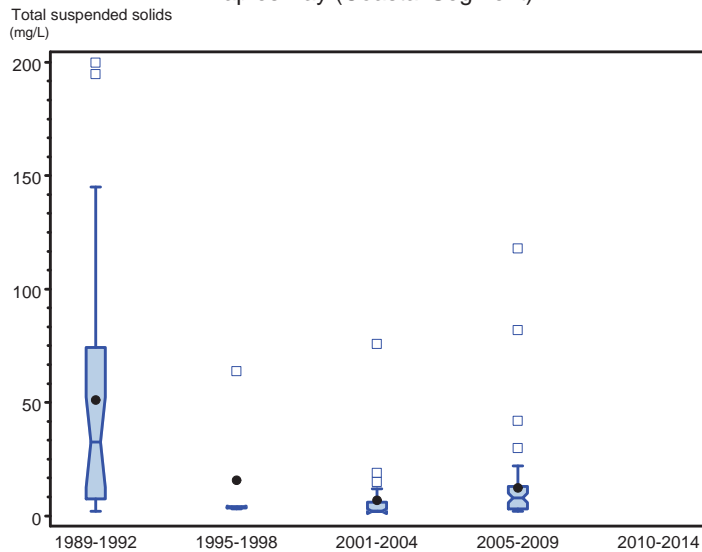
Haldeman Creek (Upper)



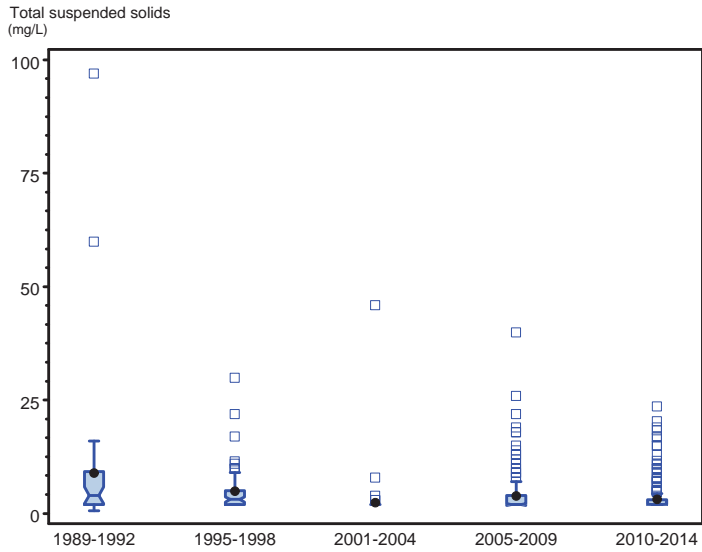
Immokalee Basin



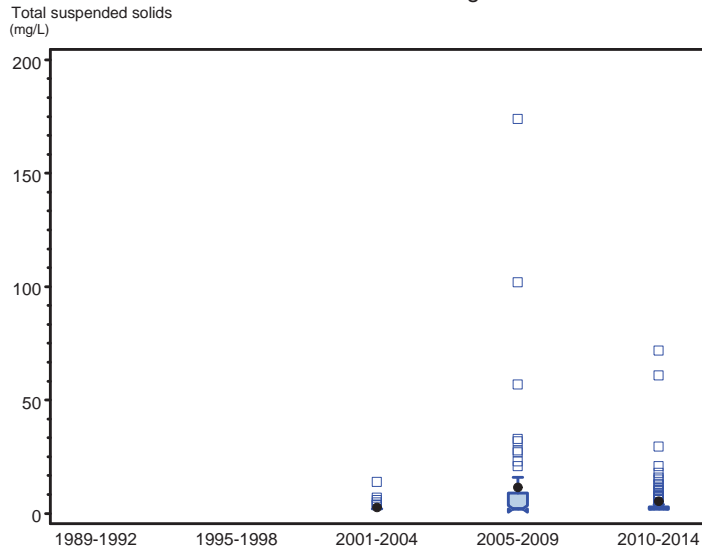
Naples Bay (Coastal Segment)



North Golden Gate

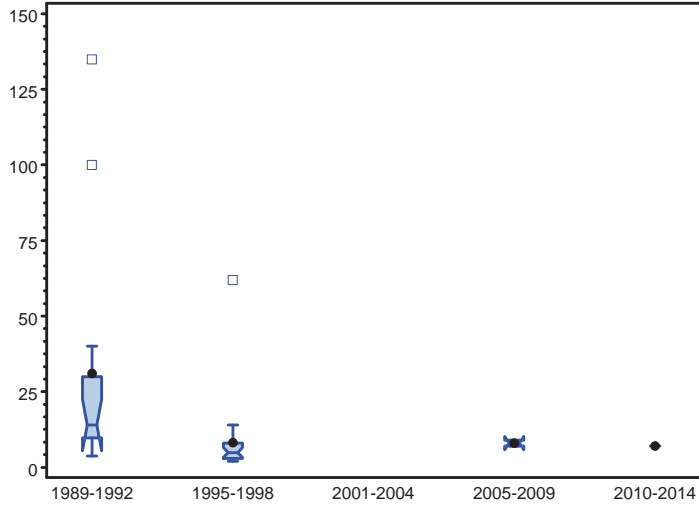


Okaloacoochee Slough



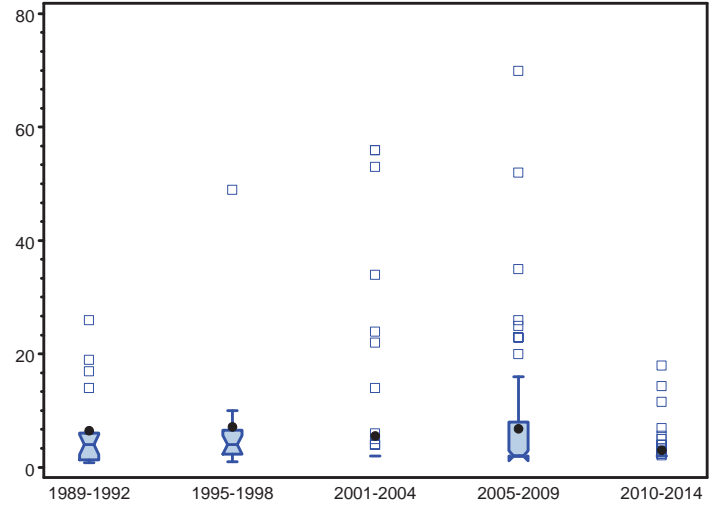
Rookery Bay (Coastal Segment)

Total suspended solids
(mg/L)



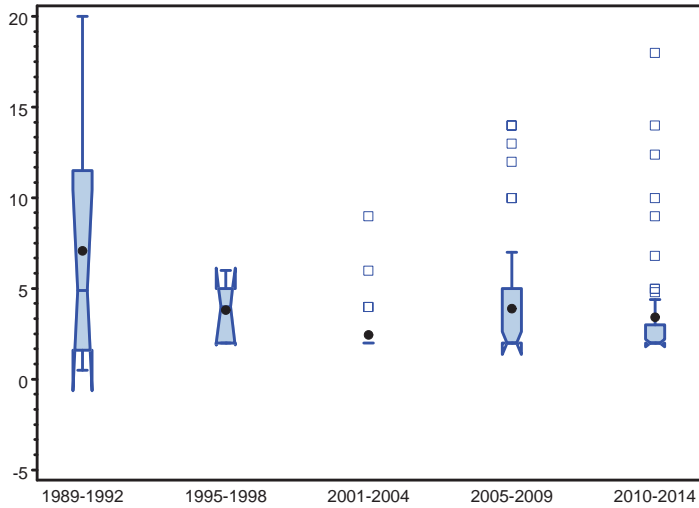
Rookery Bay (Inland East Segment)

Total suspended solids
(mg/L)



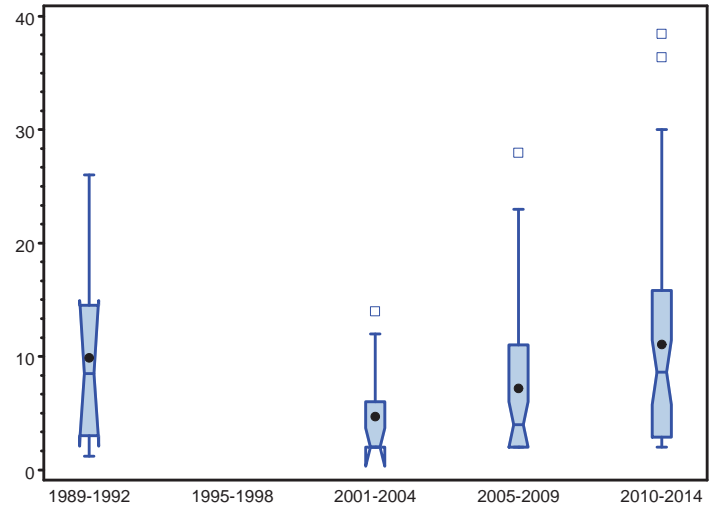
Rookery Bay (Inland West Segment)

Total suspended solids
(mg/L)



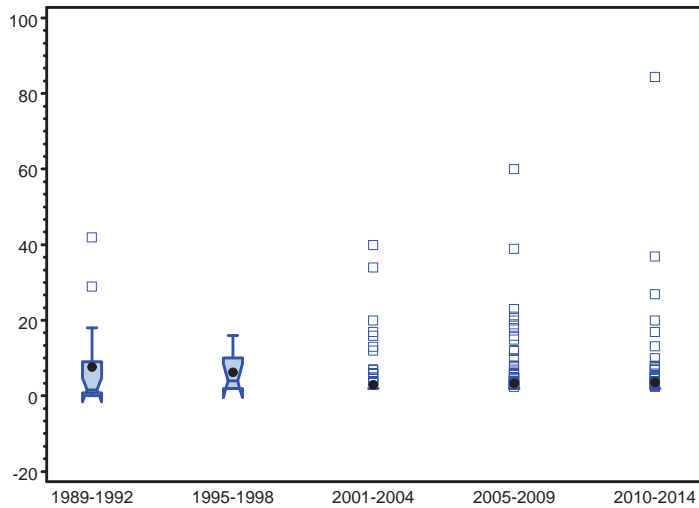
Silver Strand

Total suspended solids
(mg/L)



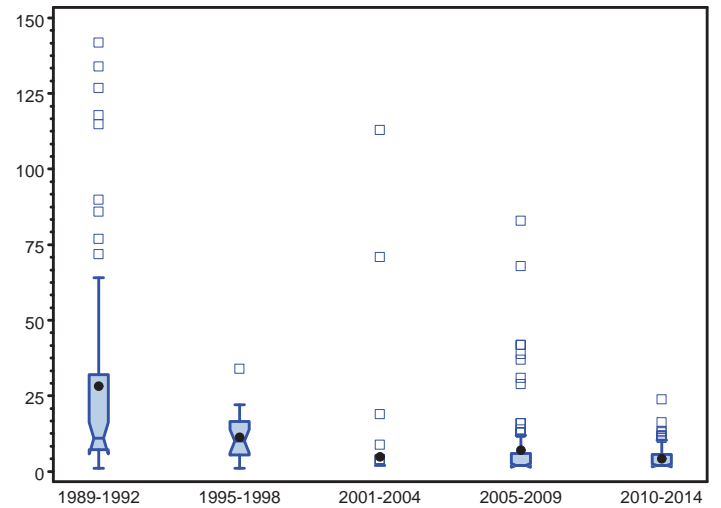
Tamiami Canal

Total suspended solids
(mg/L)

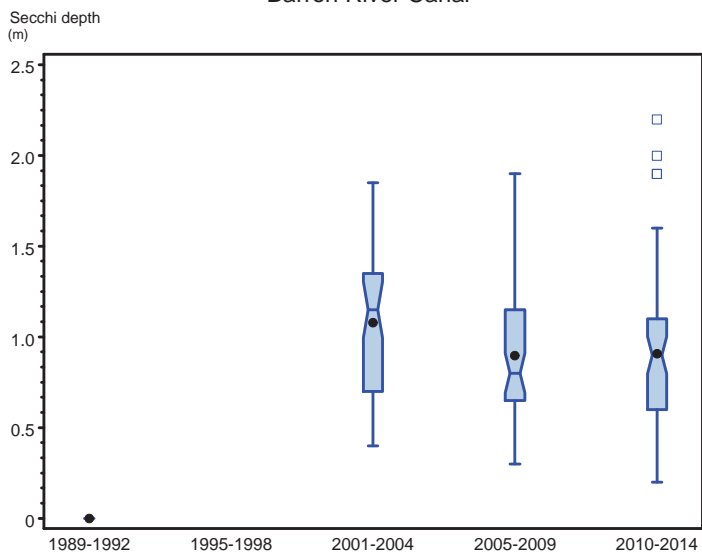


Ten Thousand Islands

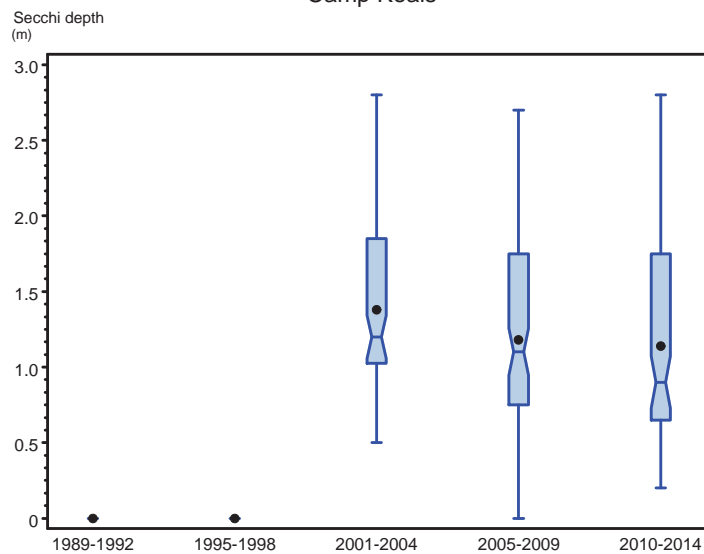
Total suspended solids
(mg/L)



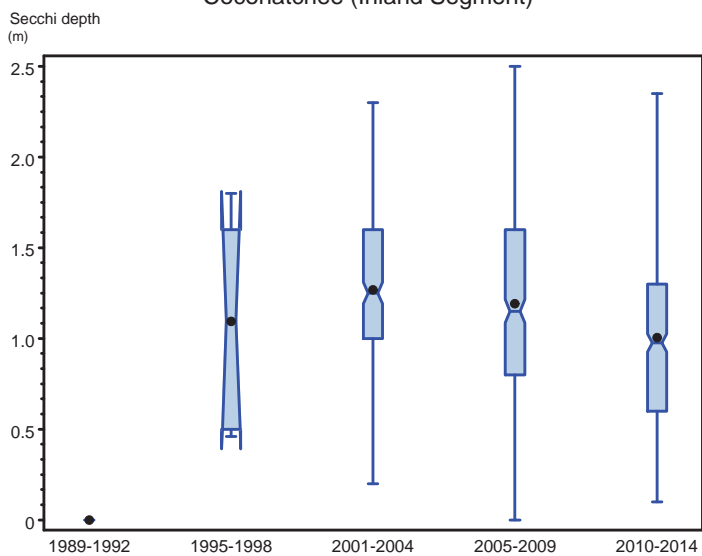
Barron River Canal



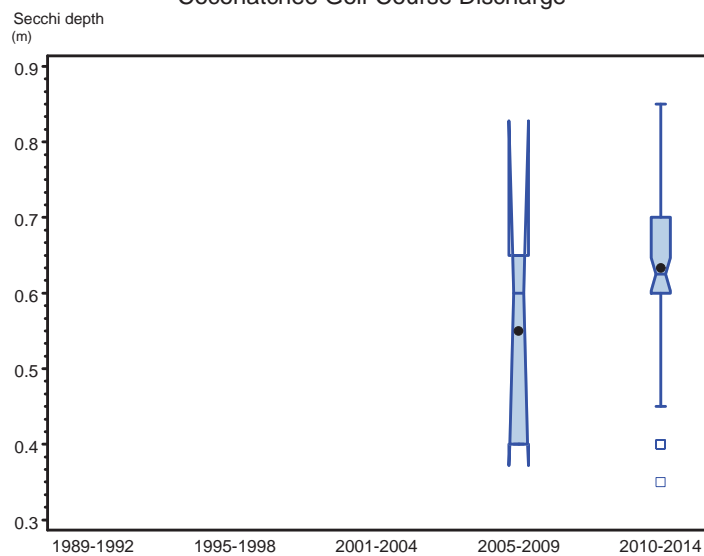
Camp Keais



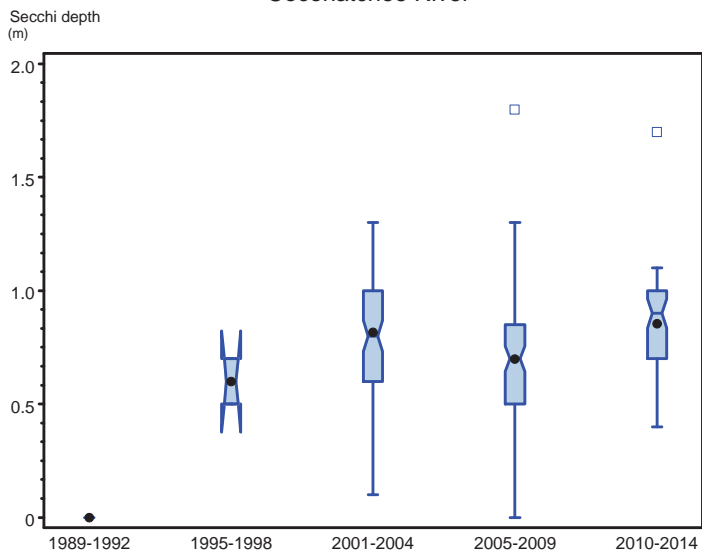
Cocohatchee (Inland Segment)



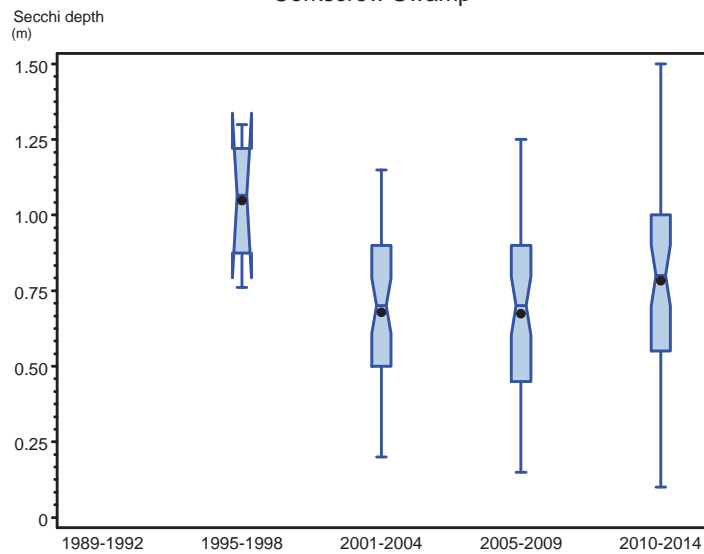
Cocohatchee Golf Course Discharge



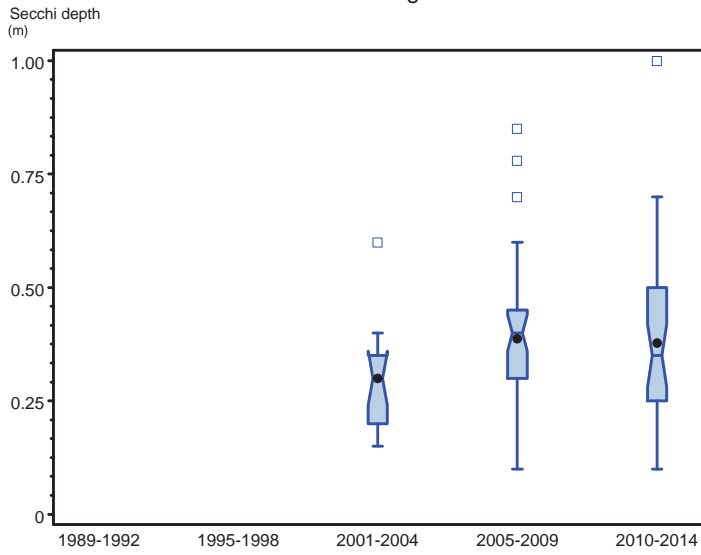
Cocohatchee River



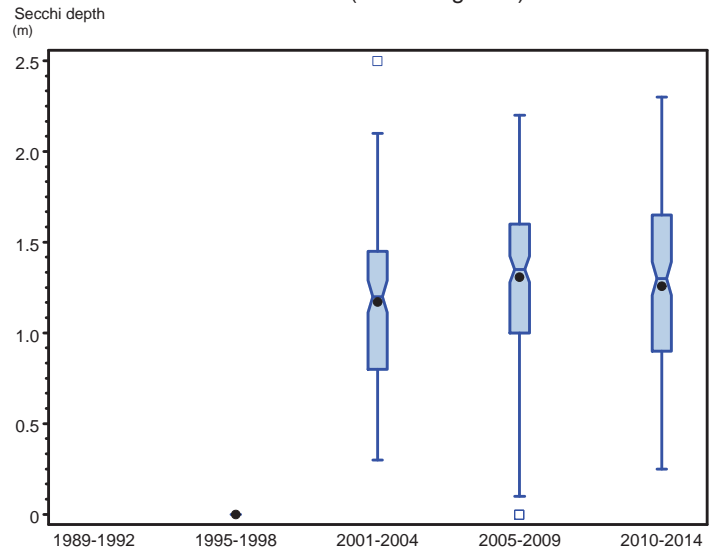
Corkscrew Swamp



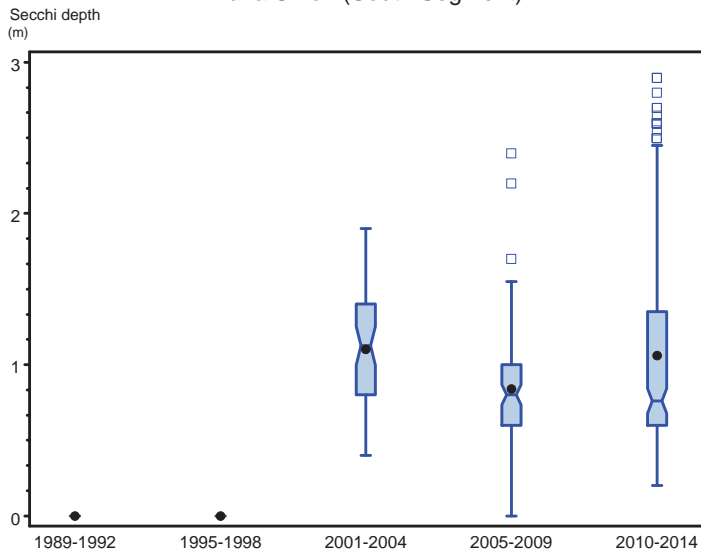
Cow Slough



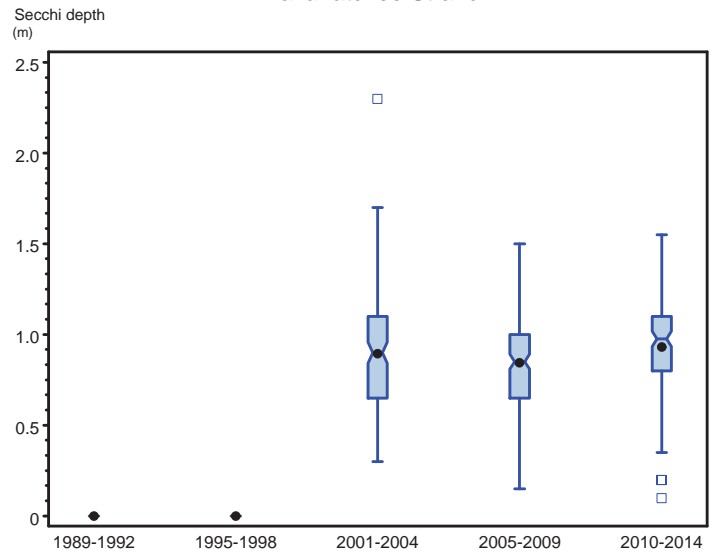
Faka Union (North Segment)



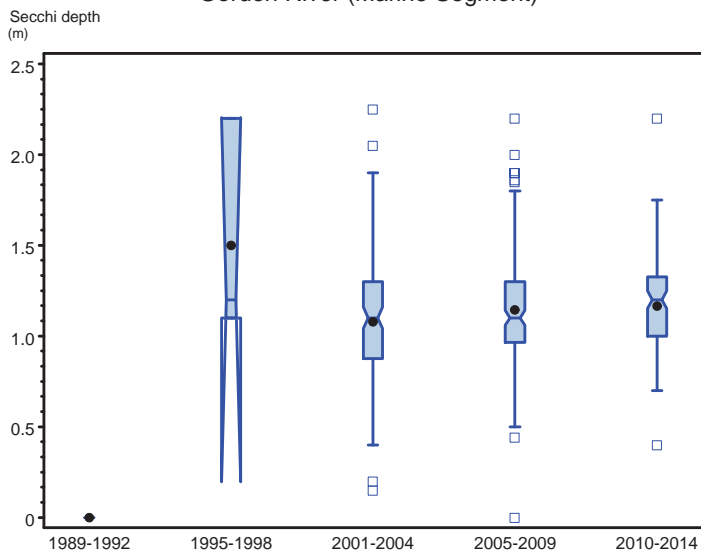
Faka Union (South Segment)



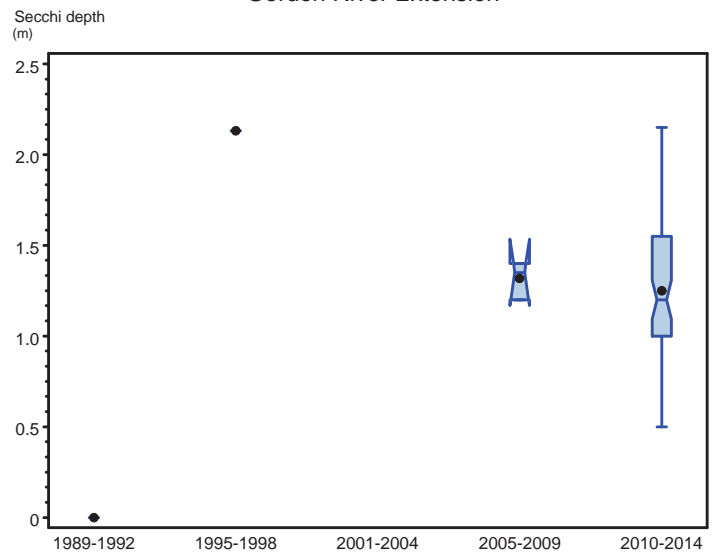
Fakahatchee Strand



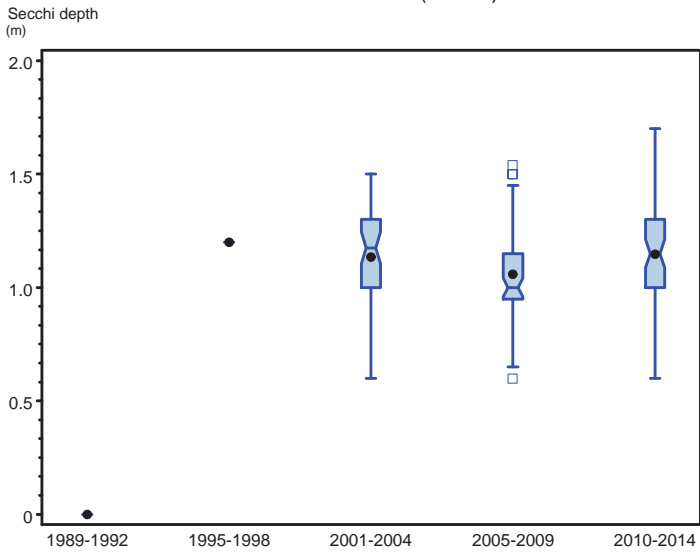
Gordon River (Marine Segment)



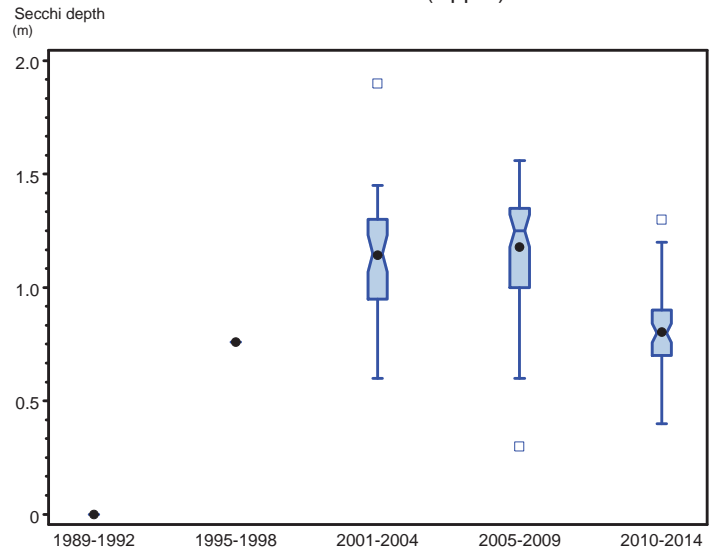
Gordon River Extension



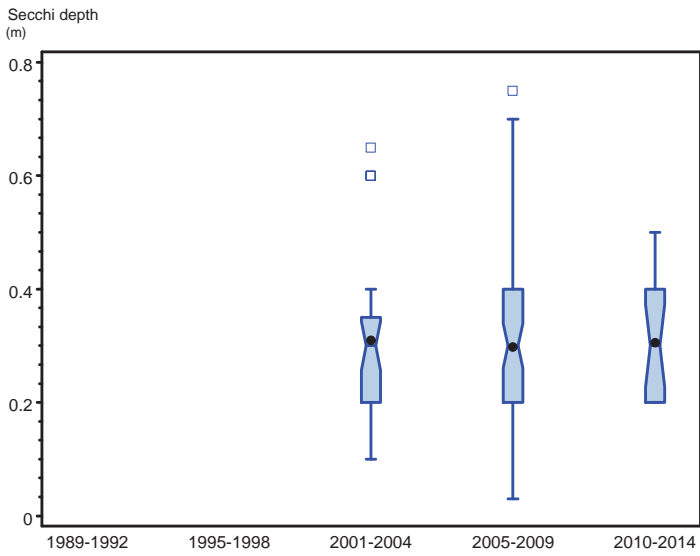
Haldeman Creek (Lower)



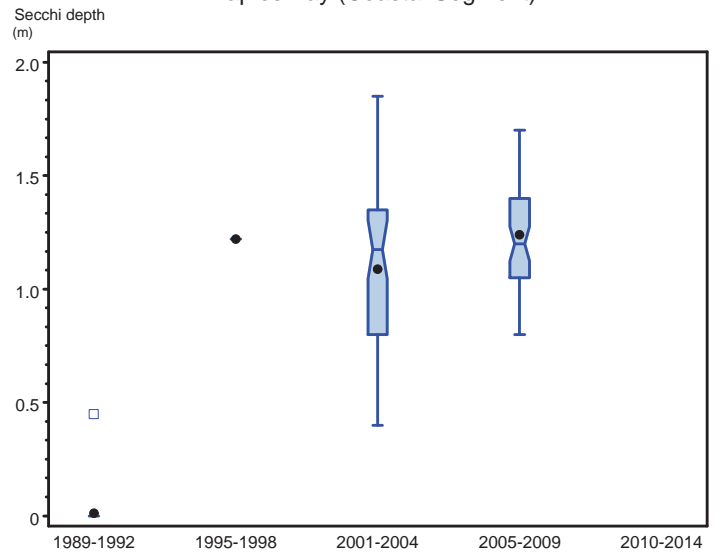
Haldeman Creek (Upper)



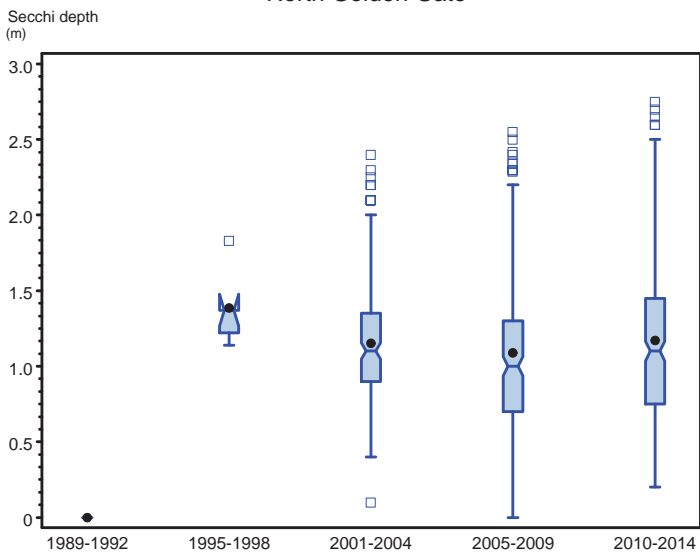
Immokalee Basin



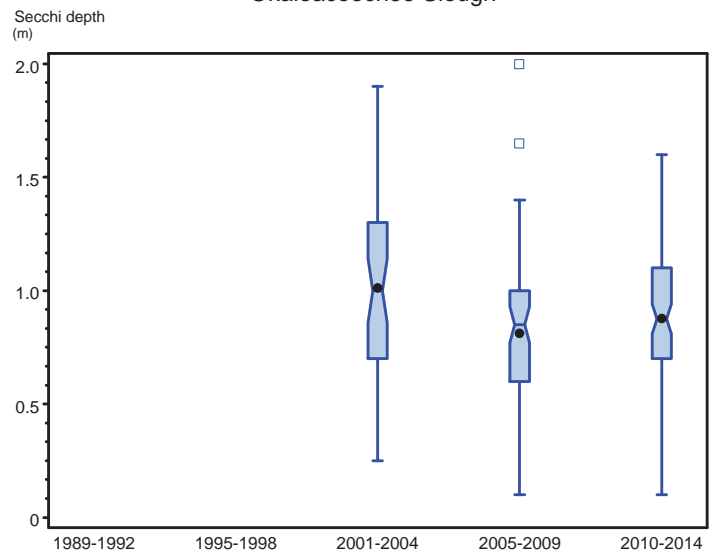
Naples Bay (Coastal Segment)



North Golden Gate



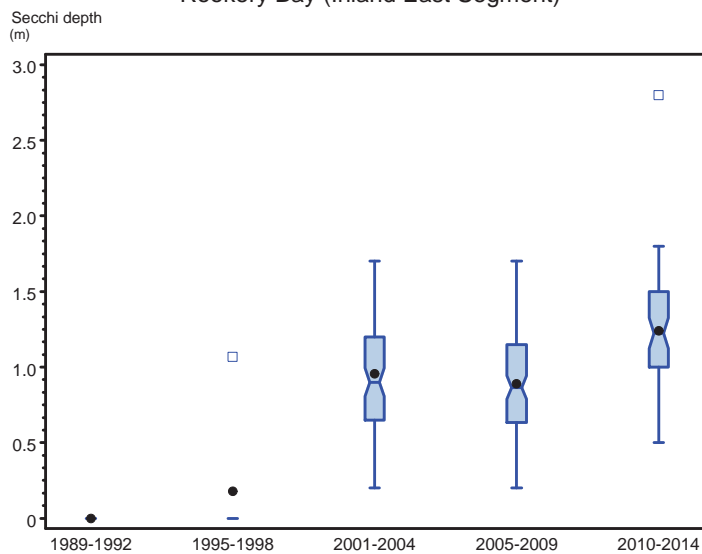
Okaloacoochee Slough



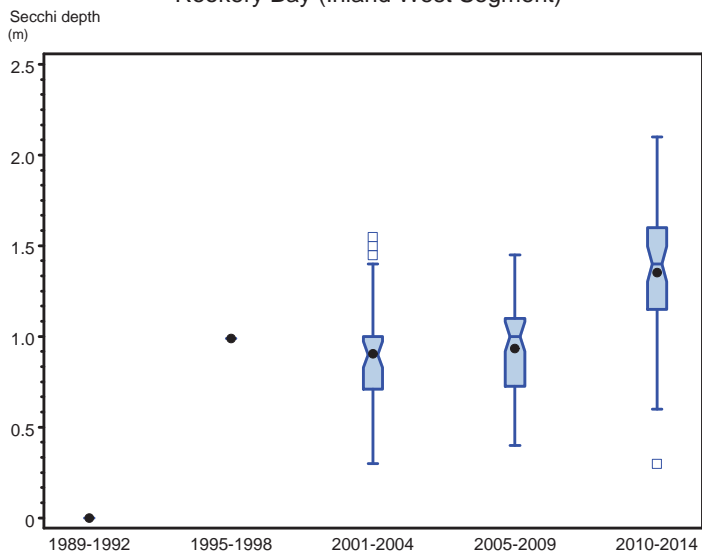
Rookery Bay (Coastal Segment)



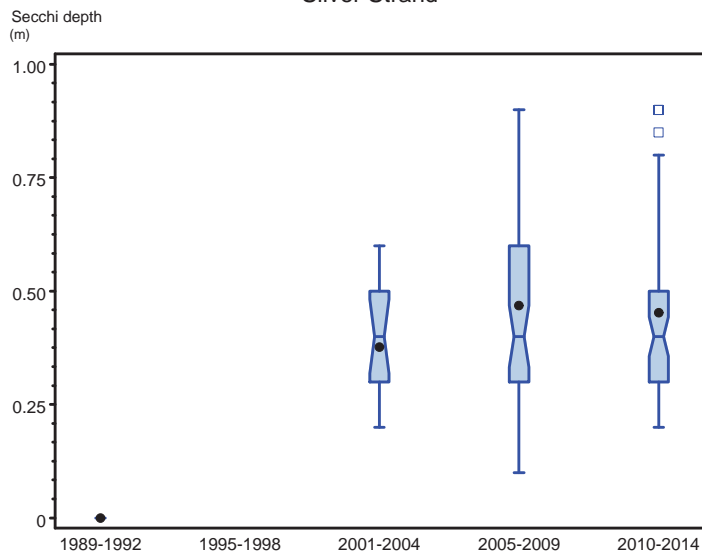
Rookery Bay (Inland East Segment)



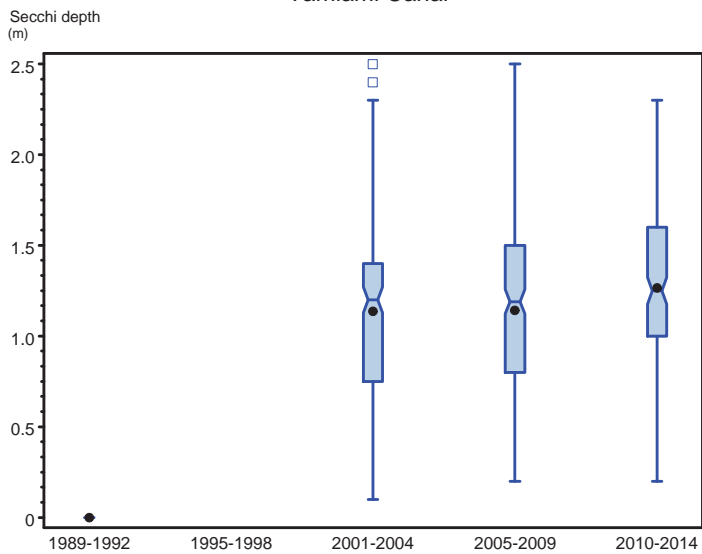
Rookery Bay (Inland West Segment)



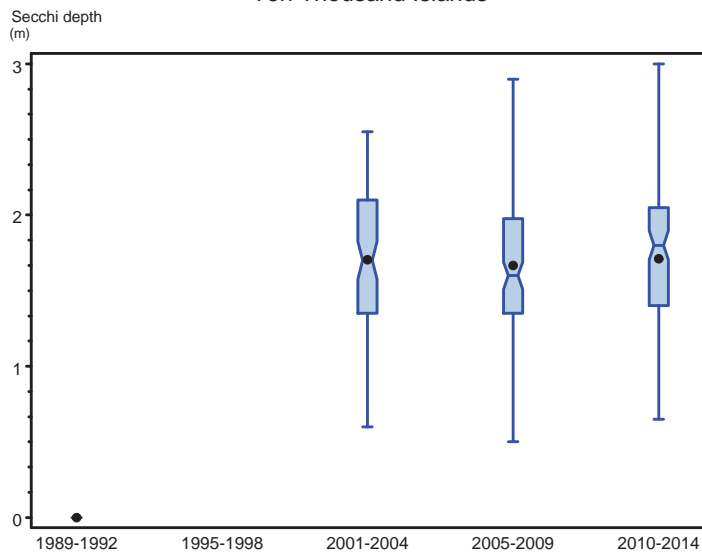
Silver Strand



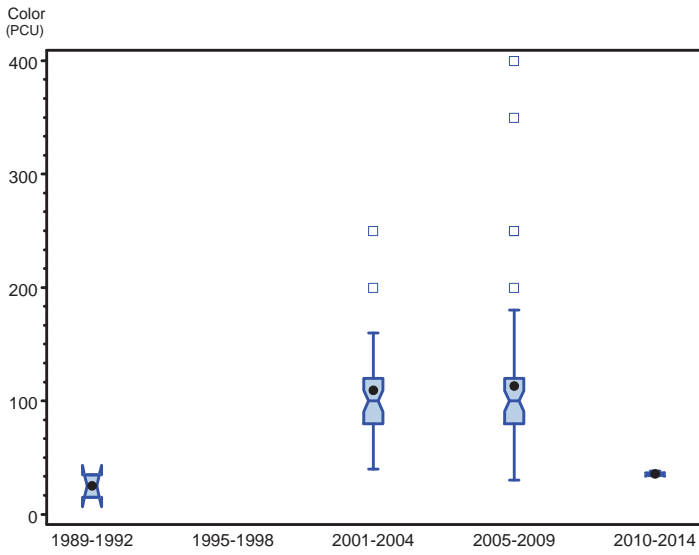
Tamiami Canal



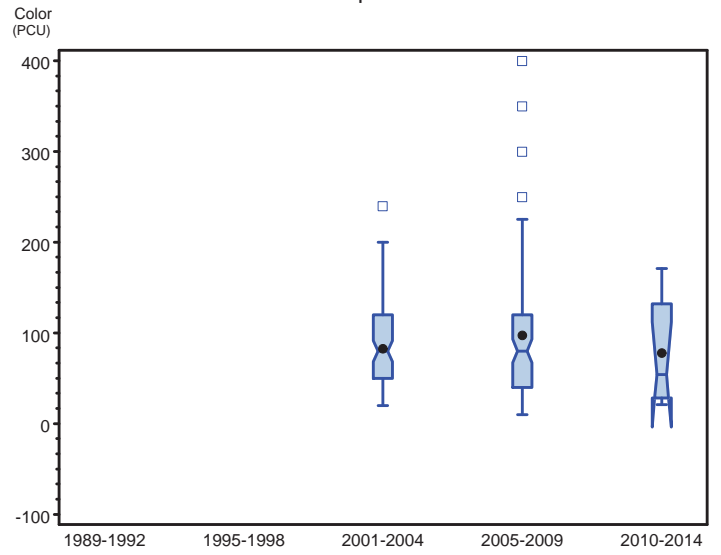
Ten Thousand Islands



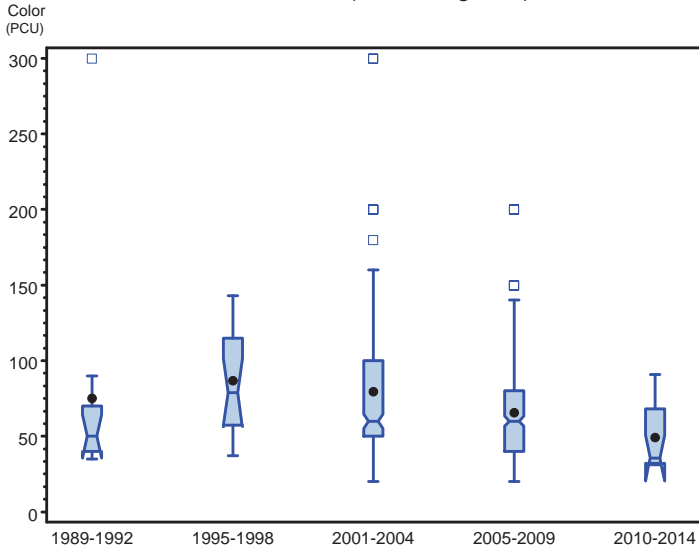
Barron River Canal



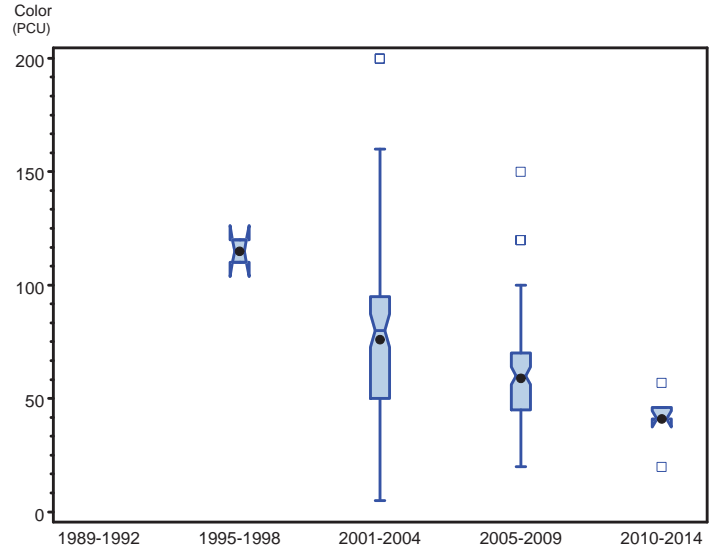
Camp Keais



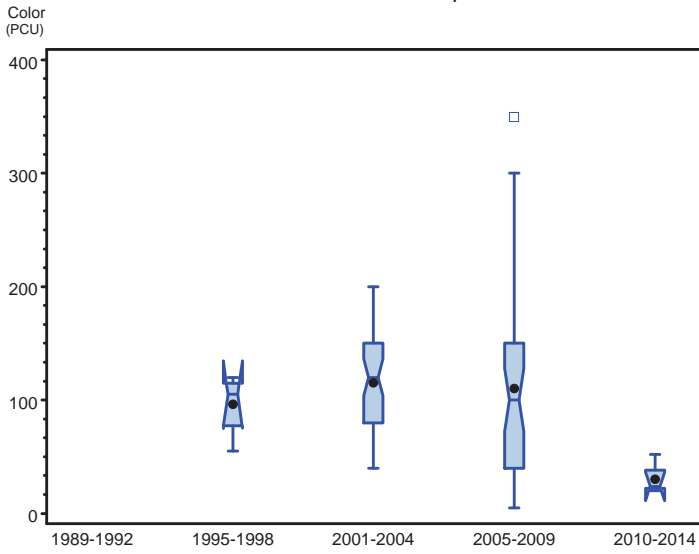
Cocohatchee (Inland Segment)



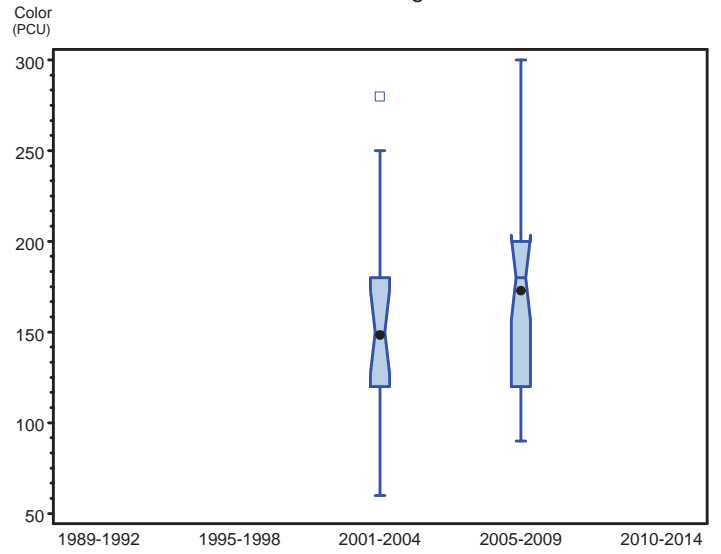
Cocohatchee River



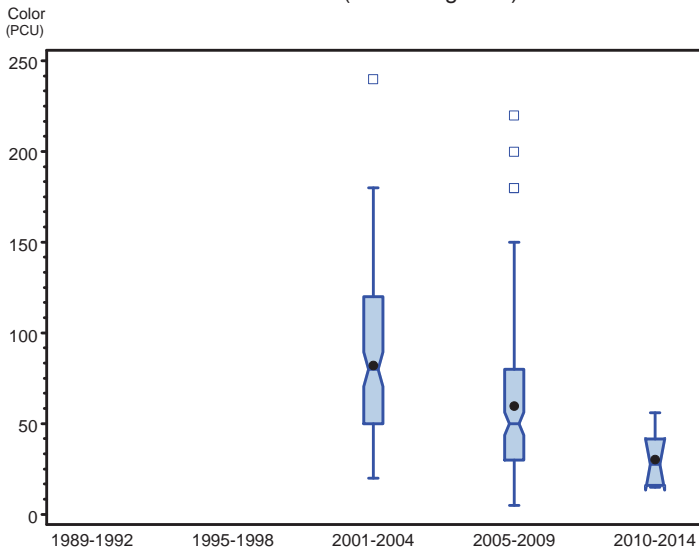
Corkscrew Swamp



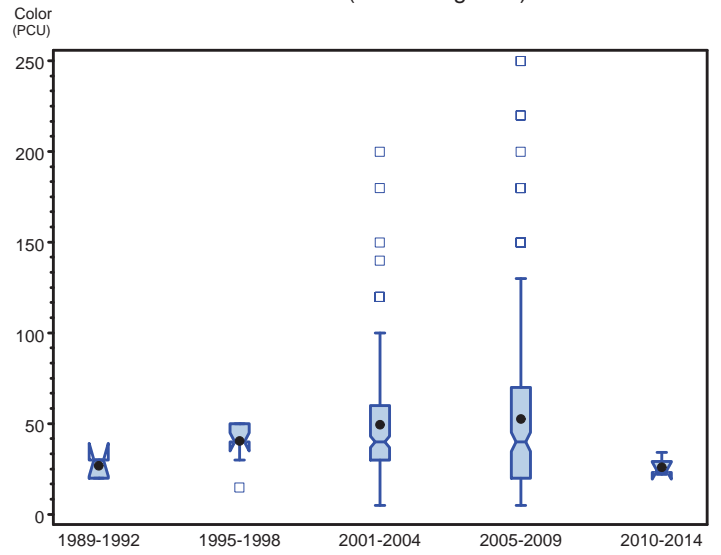
Cow Slough



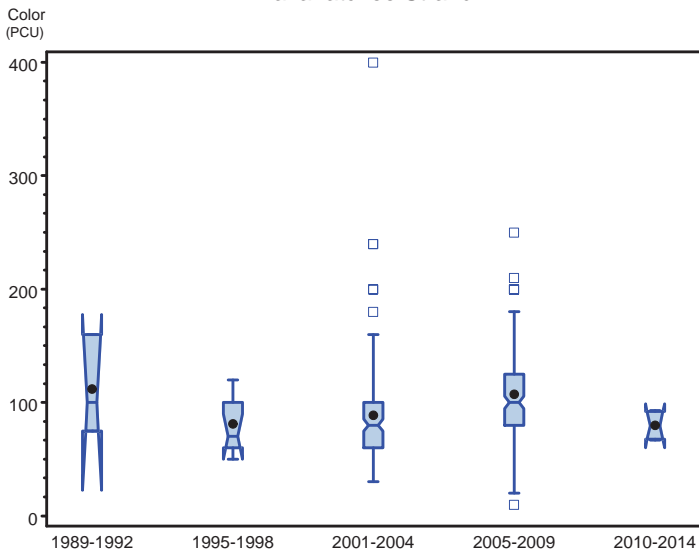
Faka Union (North Segment)



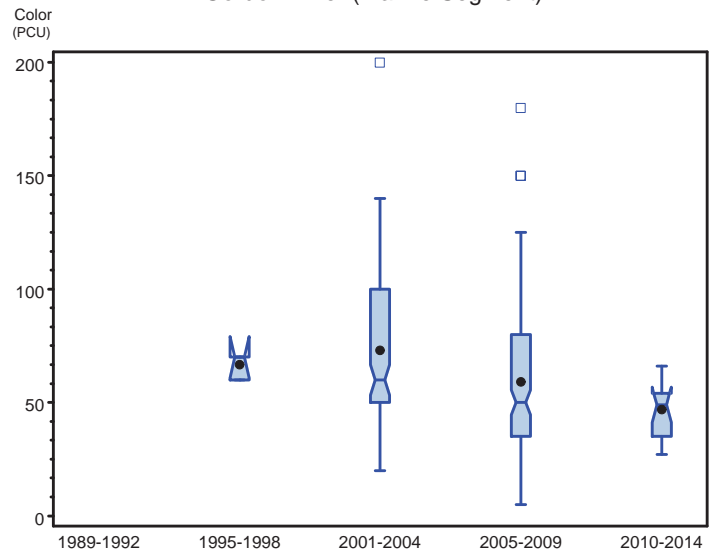
Faka Union (South Segment)



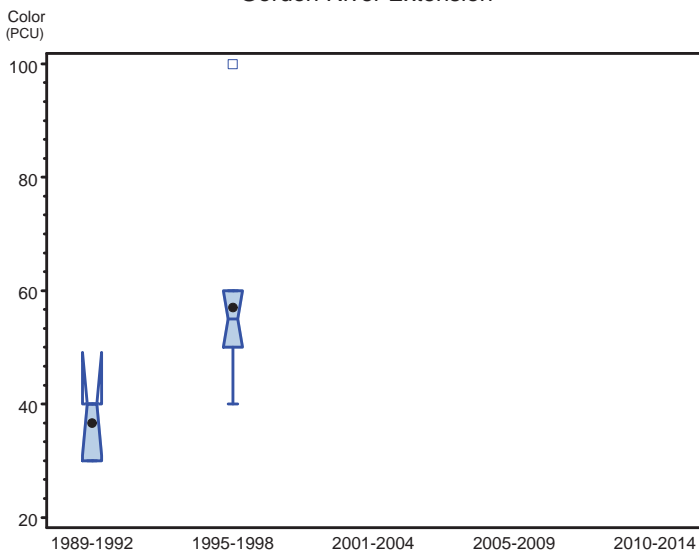
Fakahatchee Strand



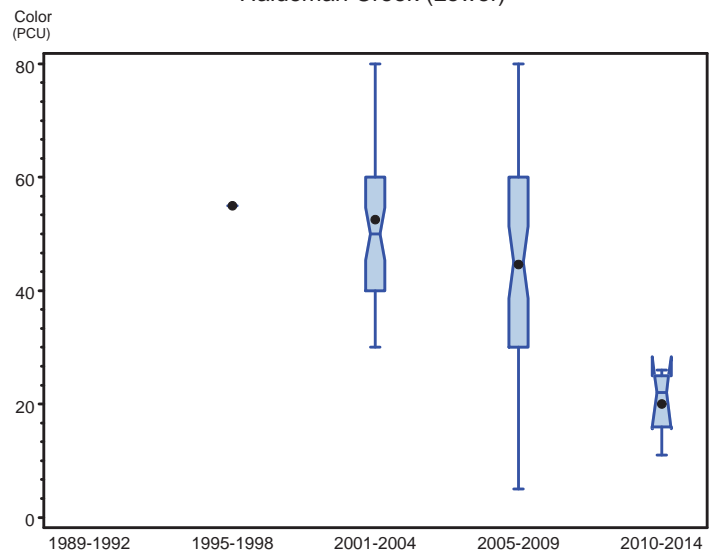
Gordon River (Marine Segment)



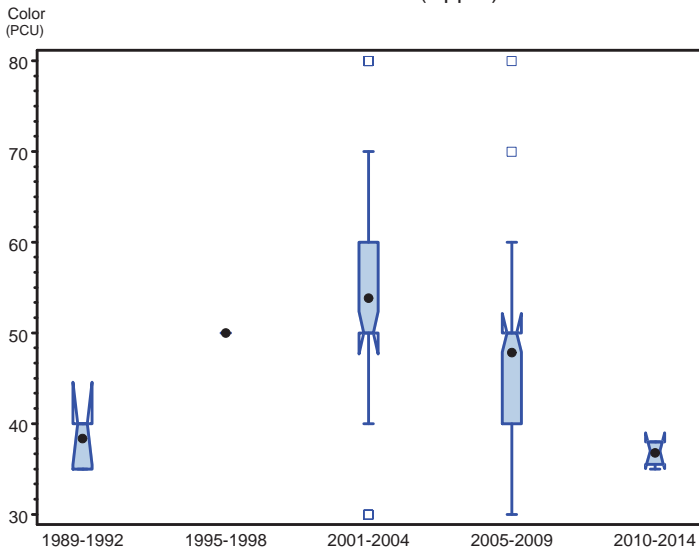
Gordon River Extension



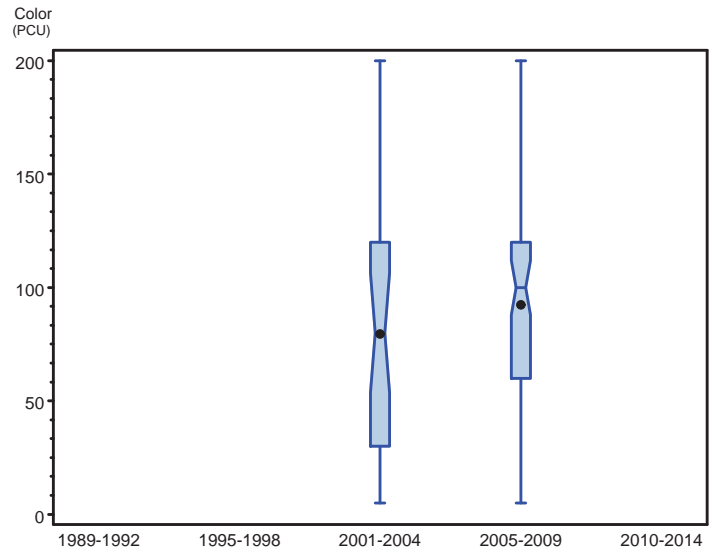
Haldeman Creek (Lower)



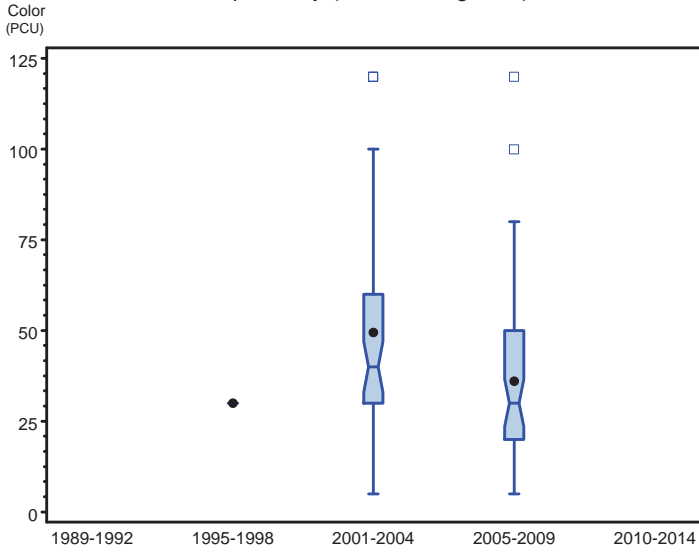
Haldeman Creek (Upper)



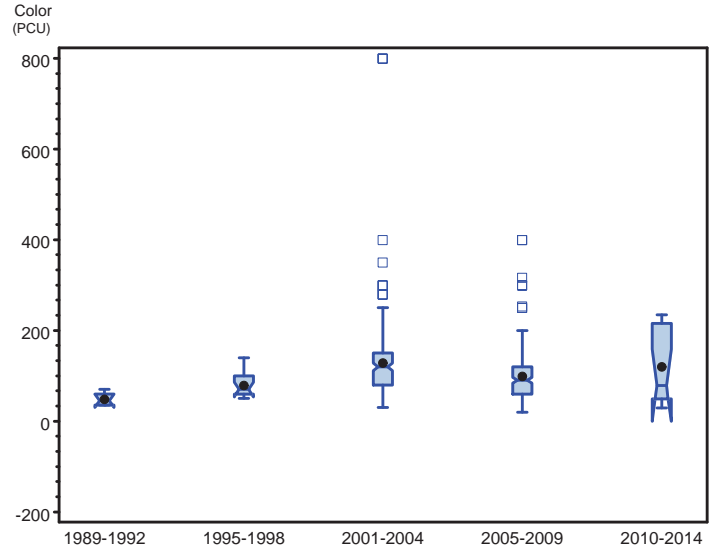
Immokalee Basin



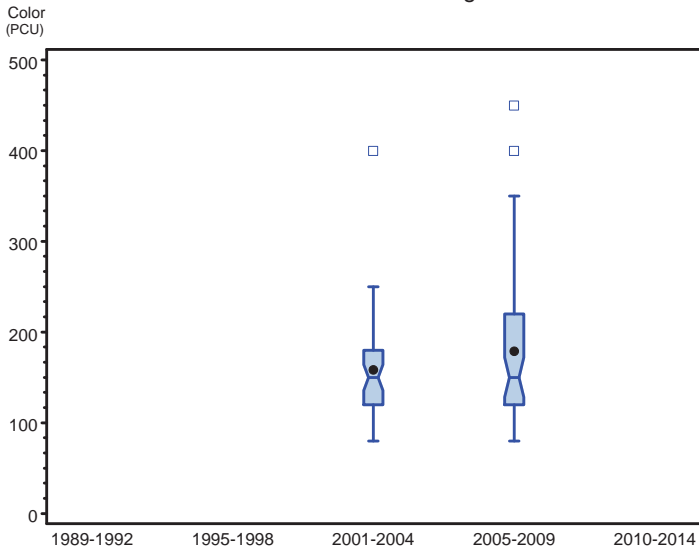
Naples Bay (Coastal Segment)



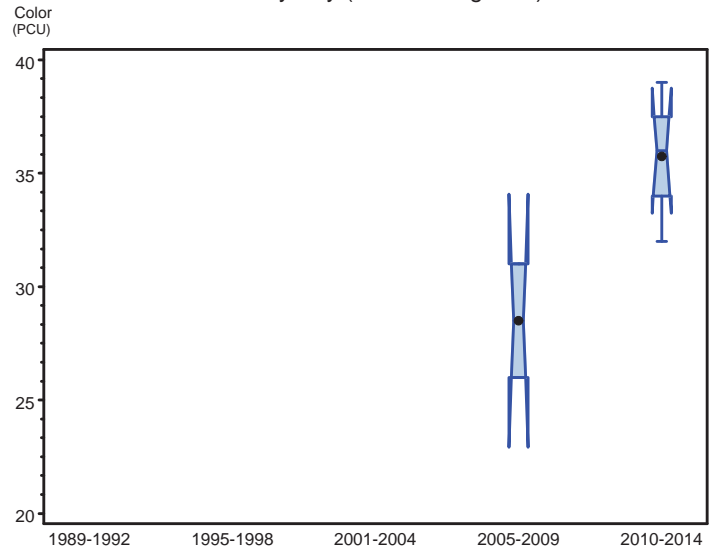
North Golden Gate



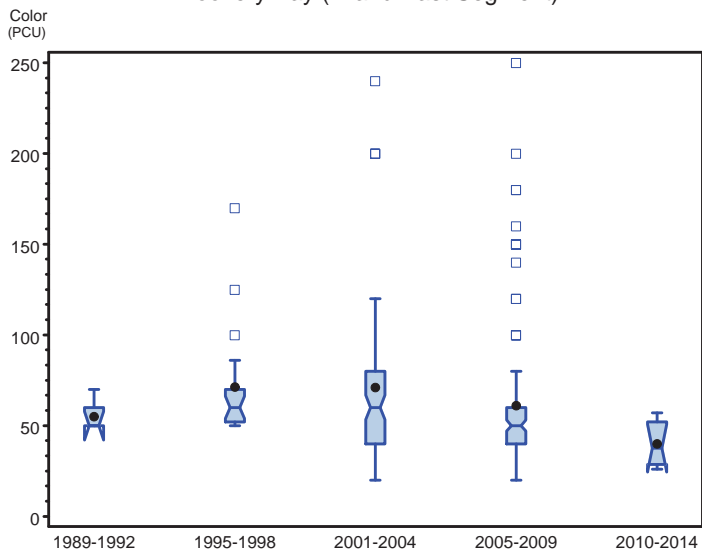
Okaloacoochee Slough



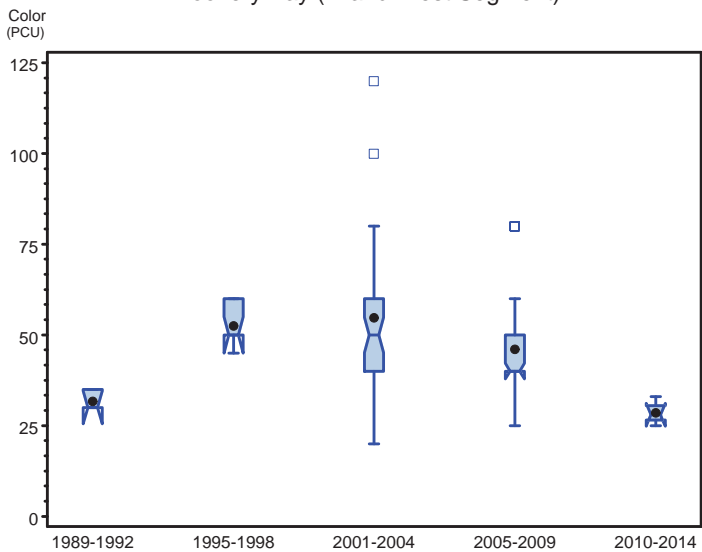
Rookery Bay (Coastal Segment)



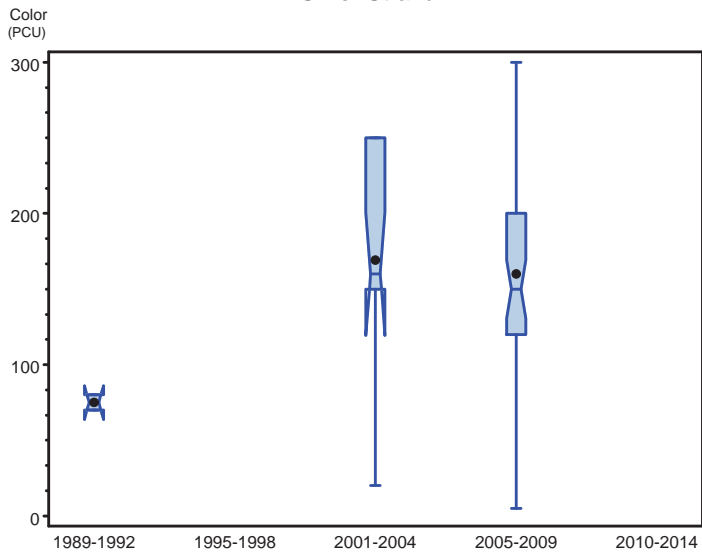
Rookery Bay (Inland East Segment)



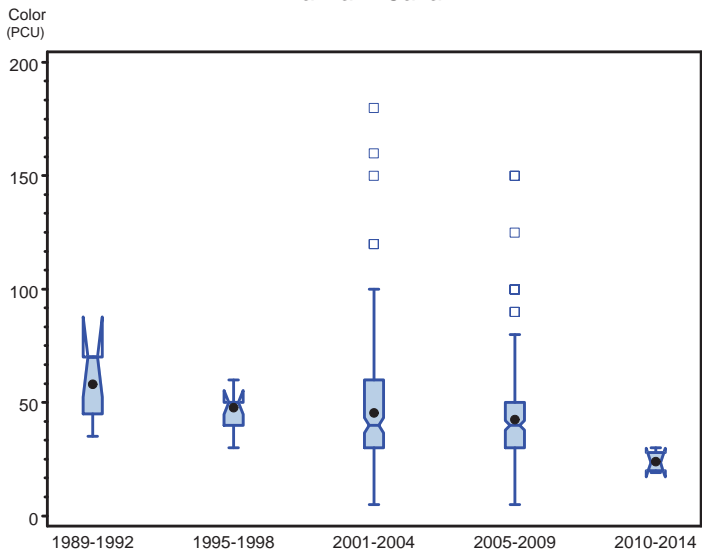
Rookery Bay (Inland West Segment)



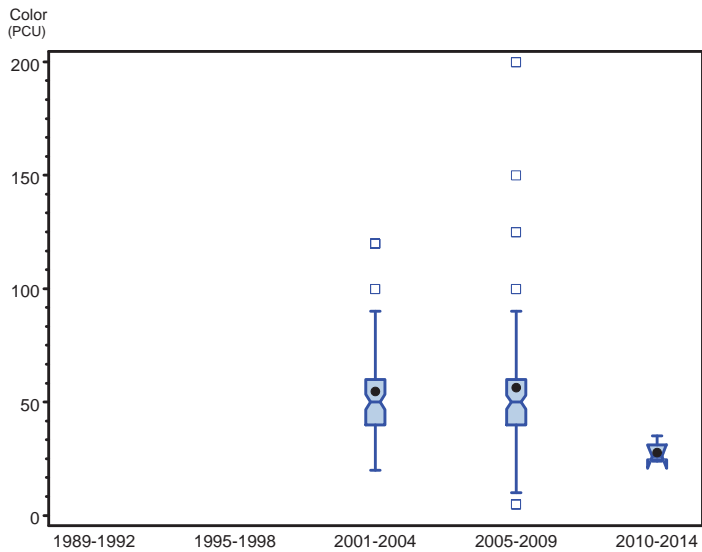
Silver Strand



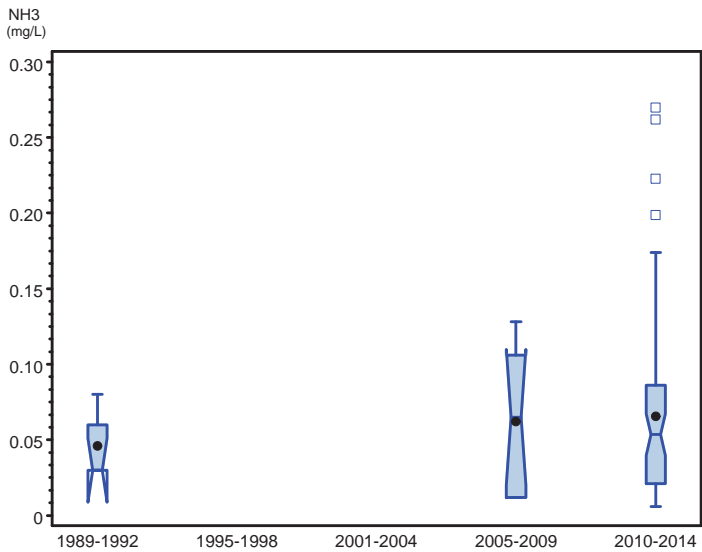
Tamiami Canal



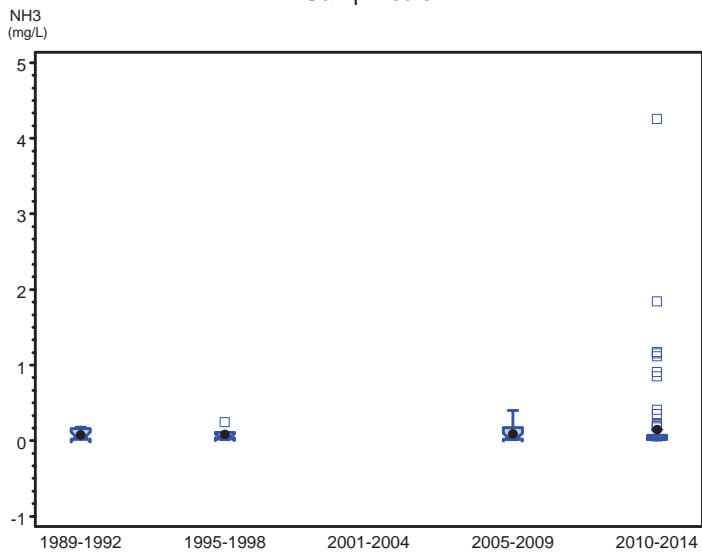
Ten Thousand Islands



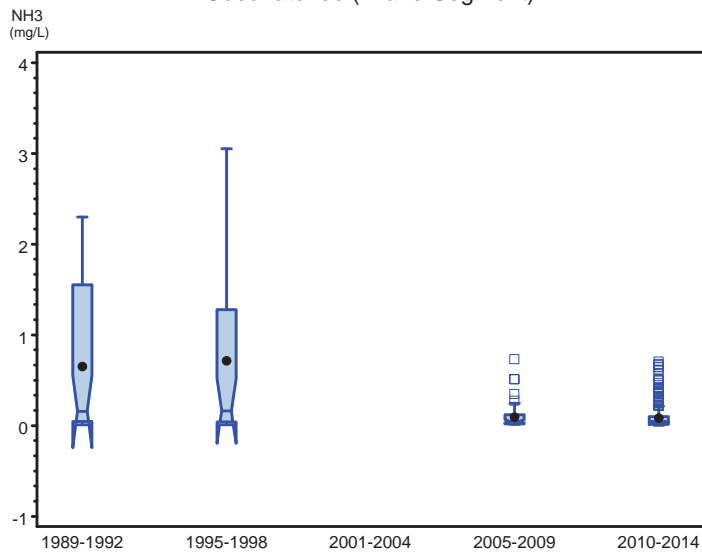
Barron River Canal



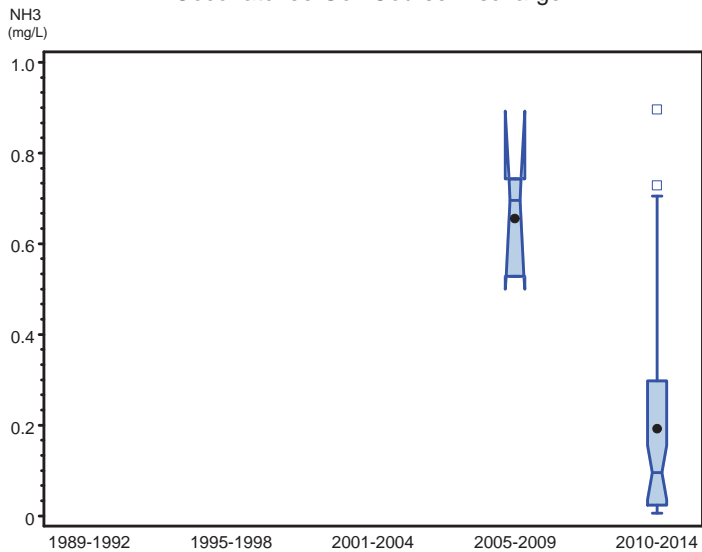
Camp Keais



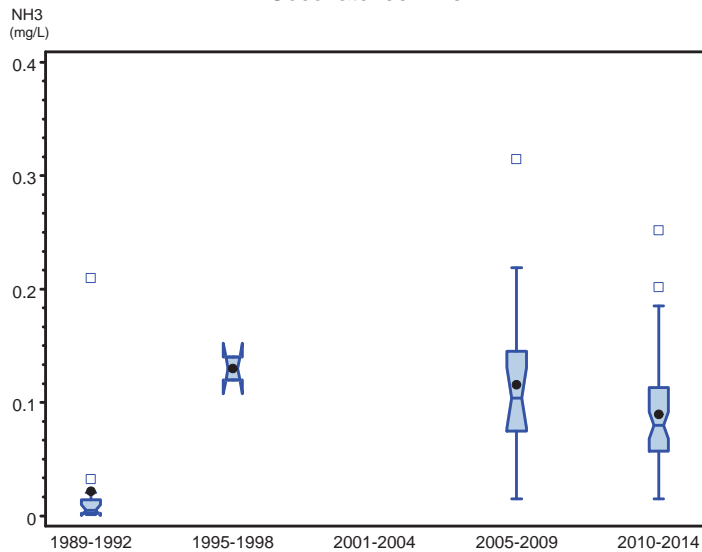
Cocohatchee (Inland Segment)



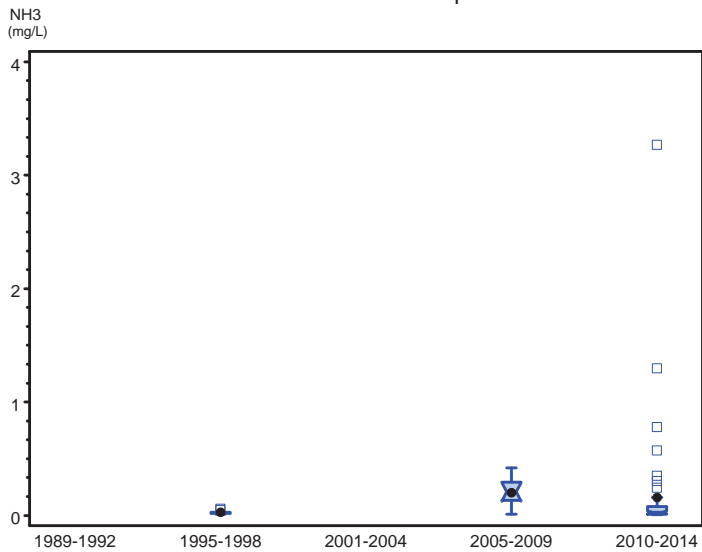
Cocohatchee Golf Course Discharge



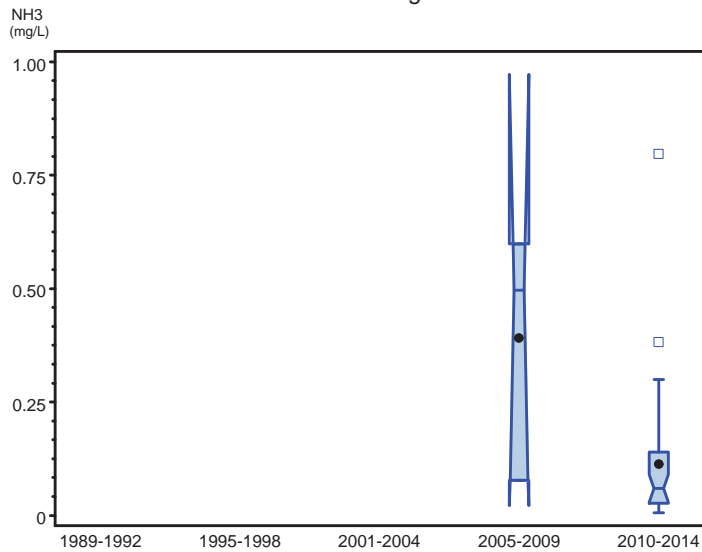
Cocohatchee River



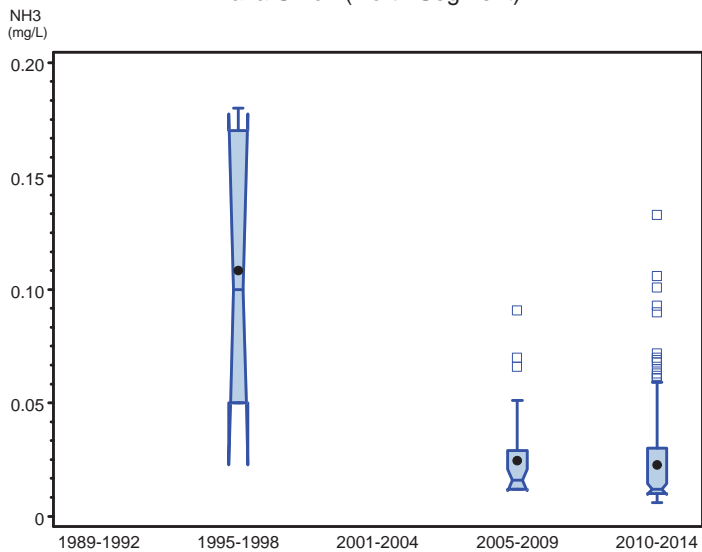
Corkscrew Swamp



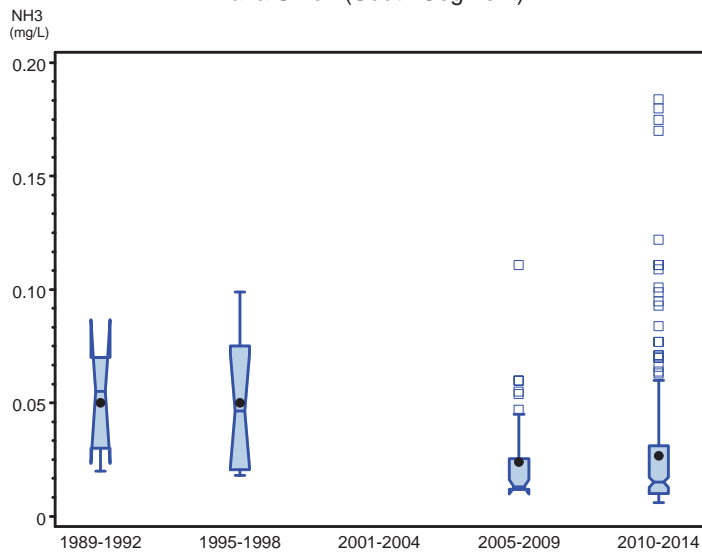
Cow Slough



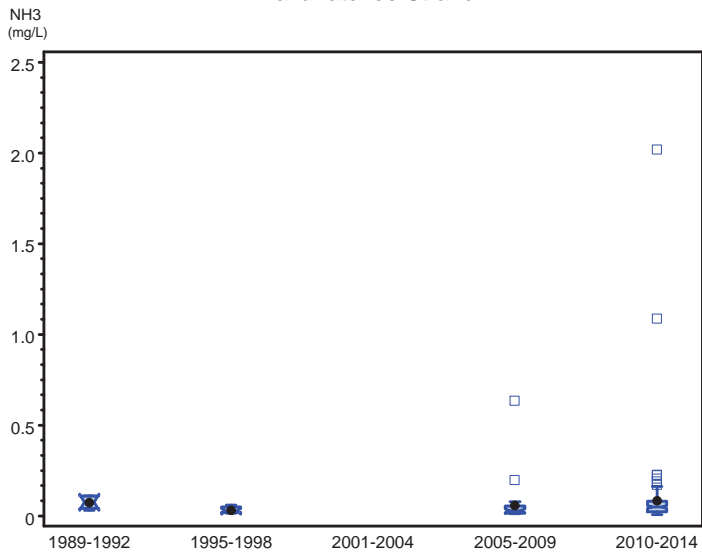
Faka Union (North Segment)



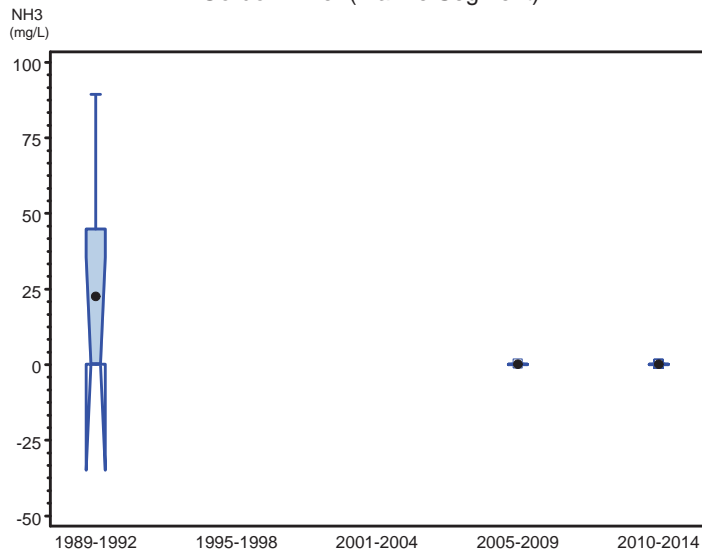
Faka Union (South Segment)



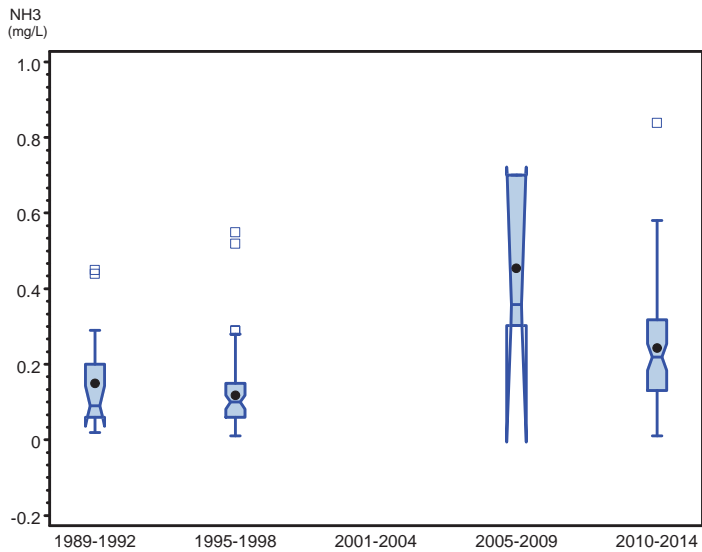
Fakahatchee Strand



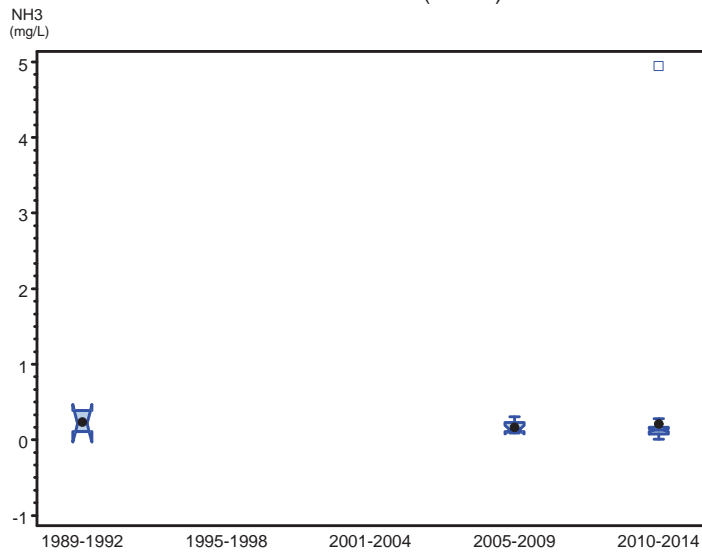
Gordon River (Marine Segment)



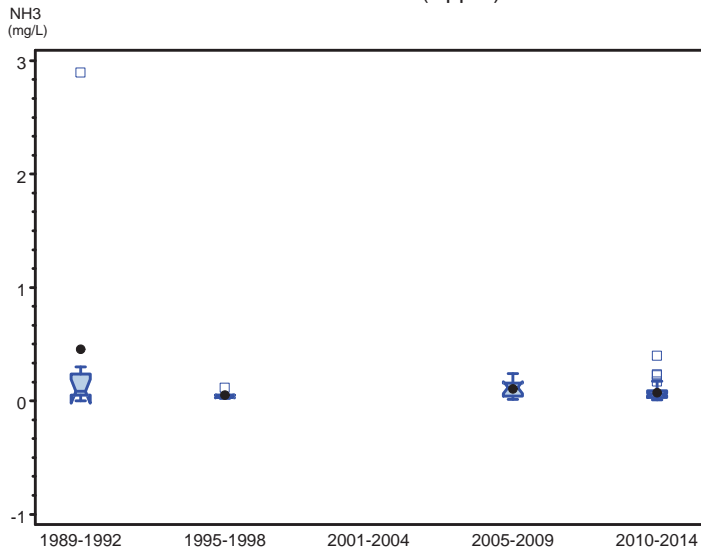
Gordon River Extension



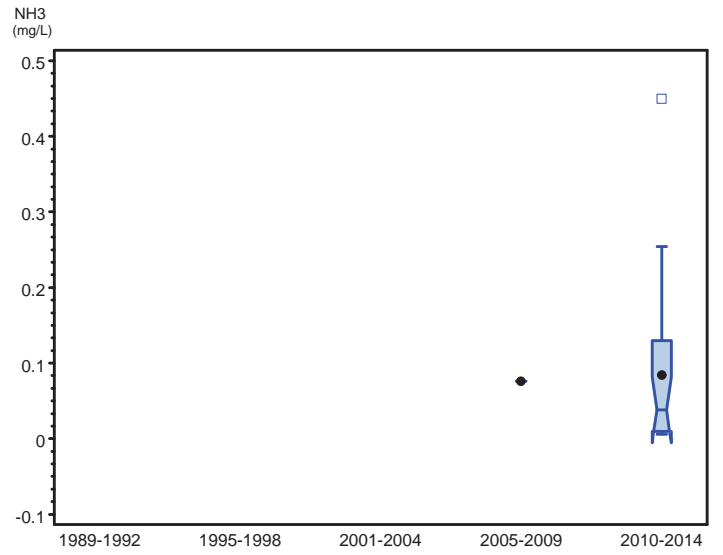
Haldeman Creek (Lower)



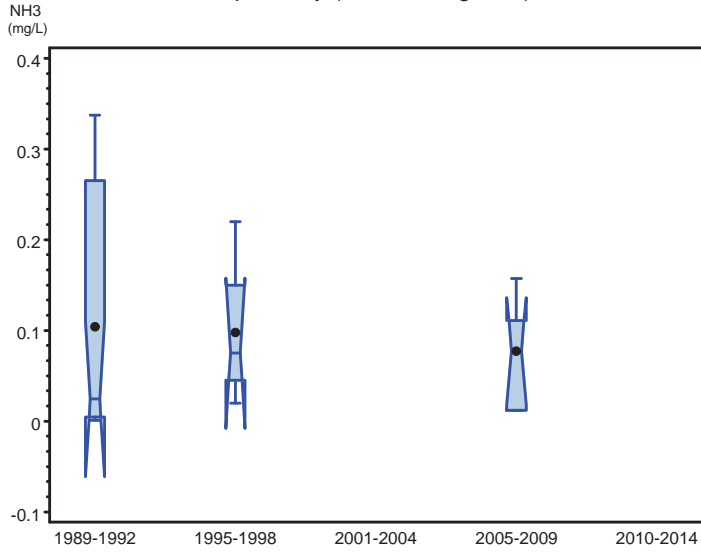
Haldeman Creek (Upper)



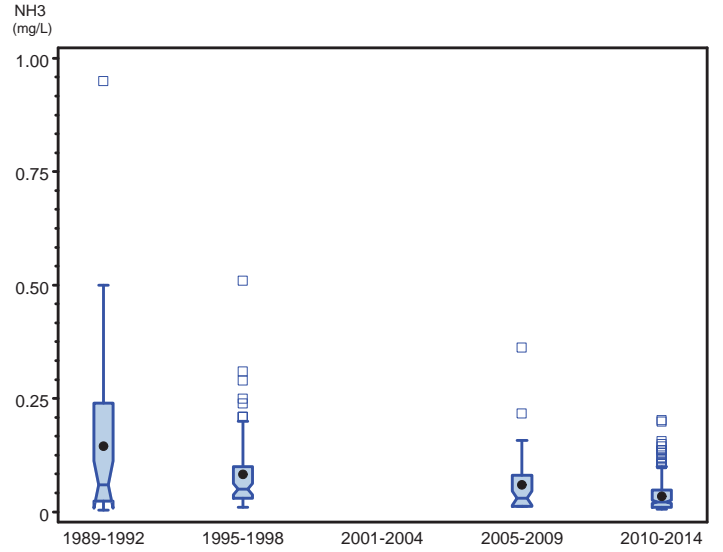
Immokalee Basin



Naples Bay (Coastal Segment)



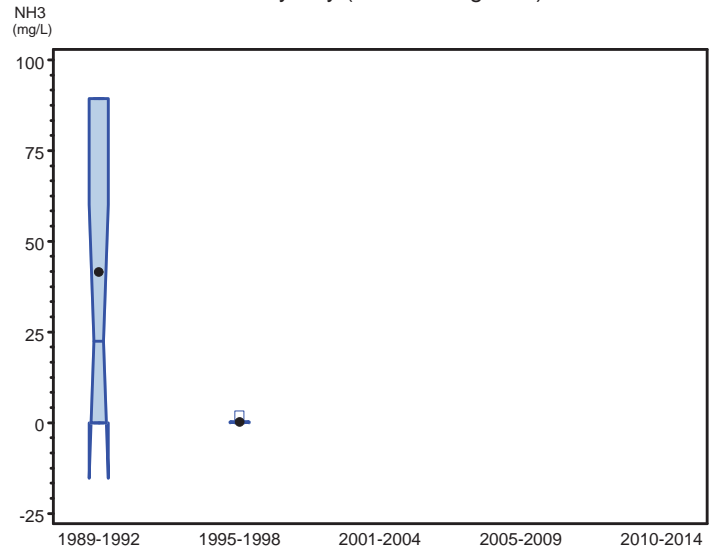
North Golden Gate



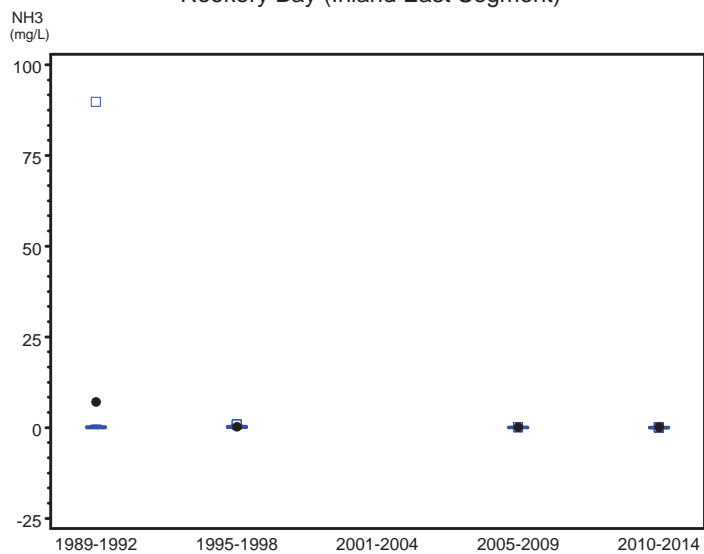
Okaloacoochee Slough



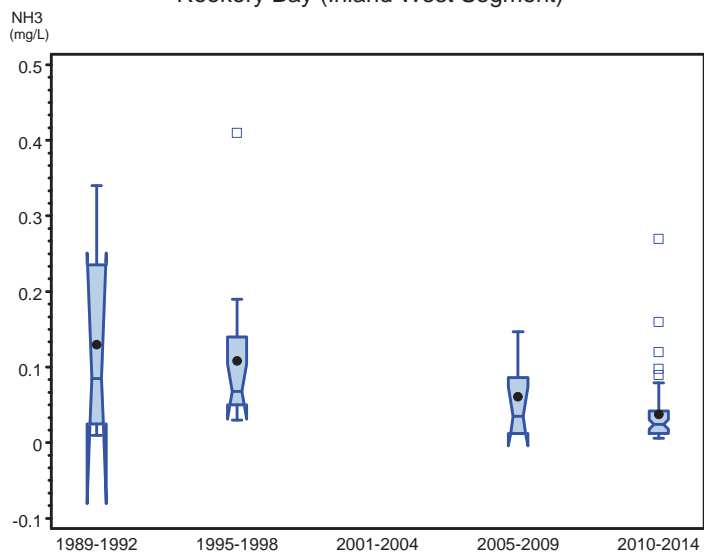
Rookery Bay (Coastal Segment)



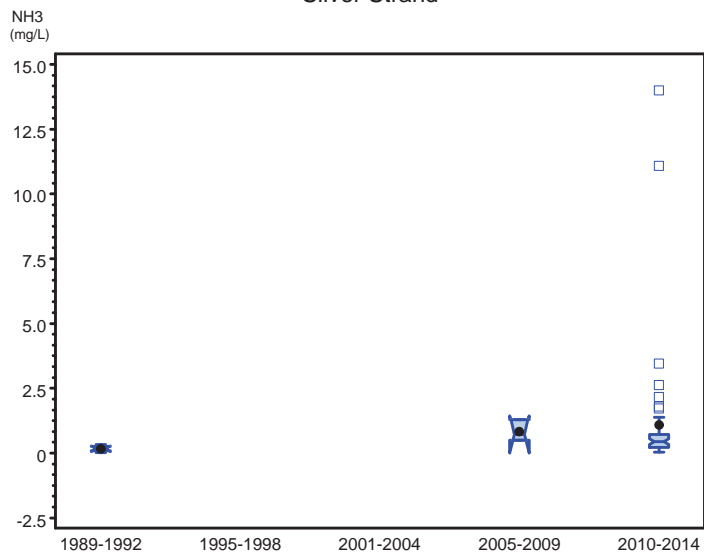
Rookery Bay (Inland East Segment)



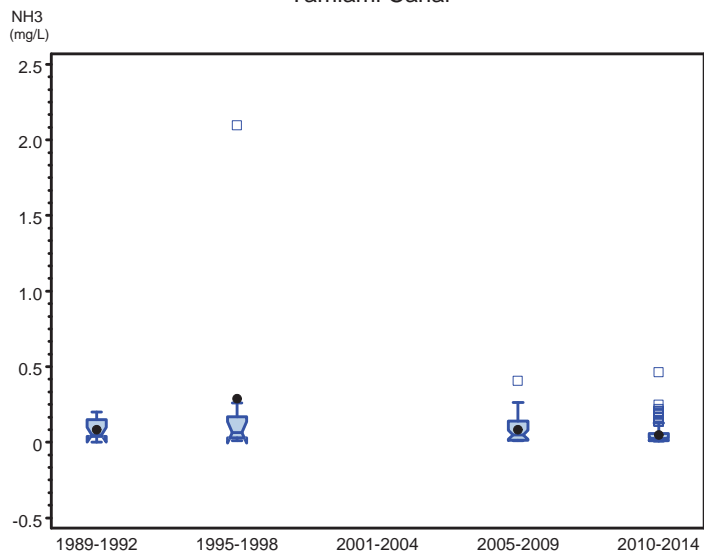
Rookery Bay (Inland West Segment)



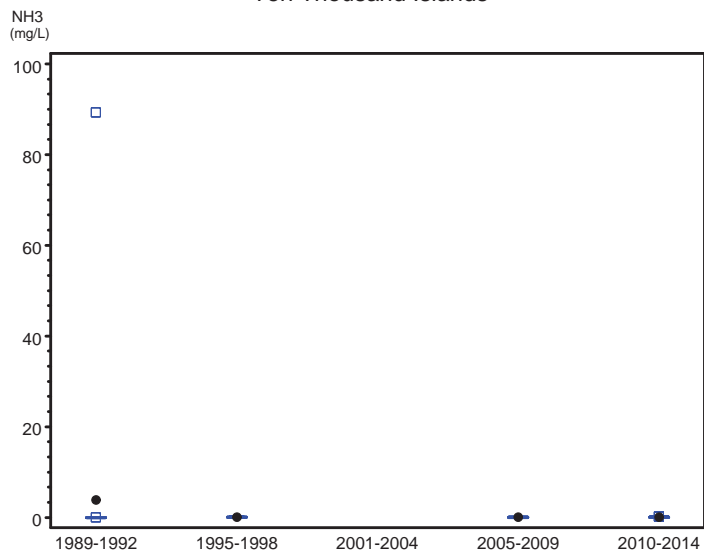
Silver Strand



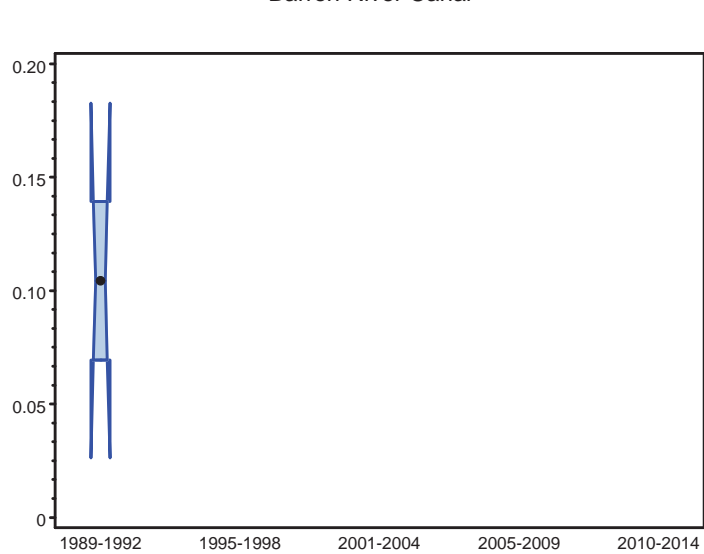
Tamiami Canal



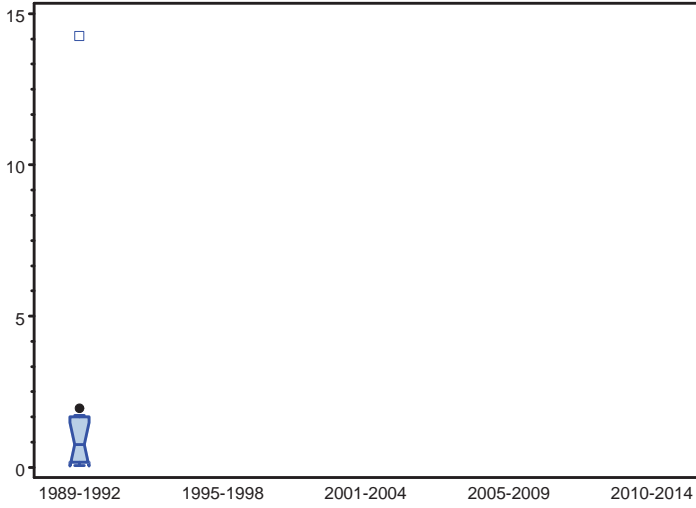
Ten Thousand Islands



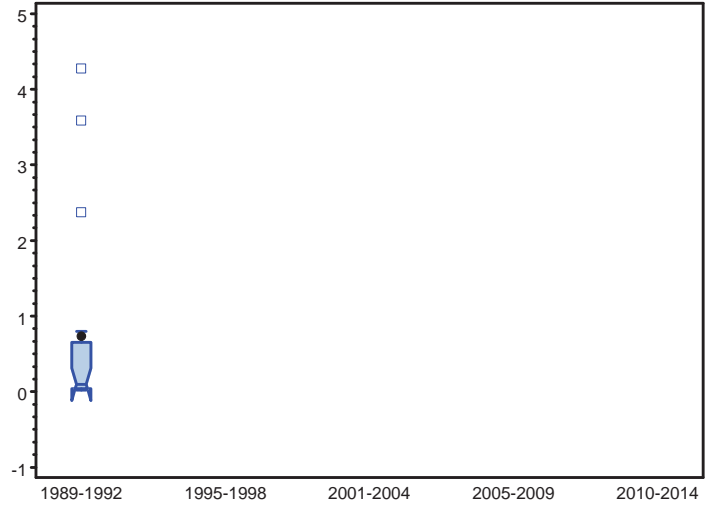
Barron River Canal



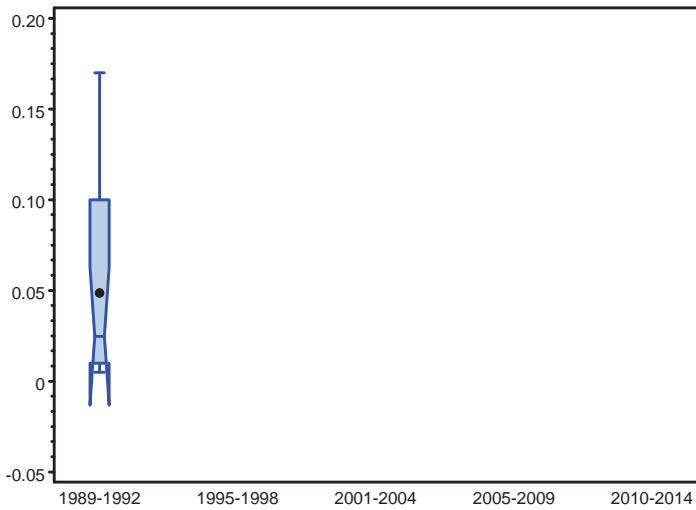
Camp Keais



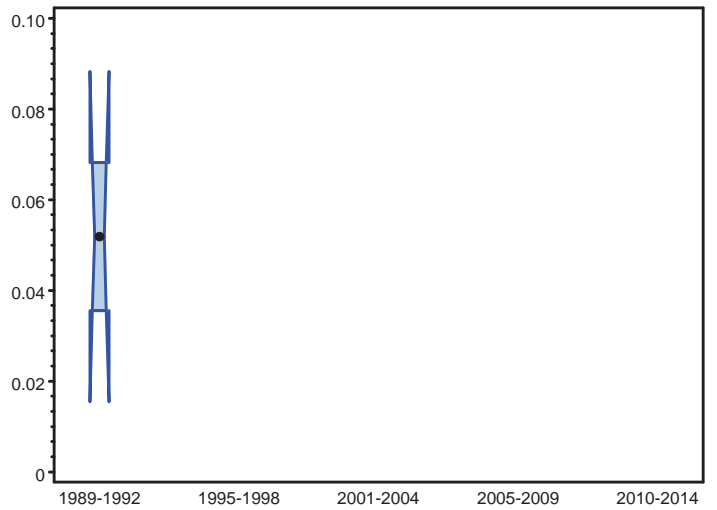
Cocohatchee (Inland Segment)



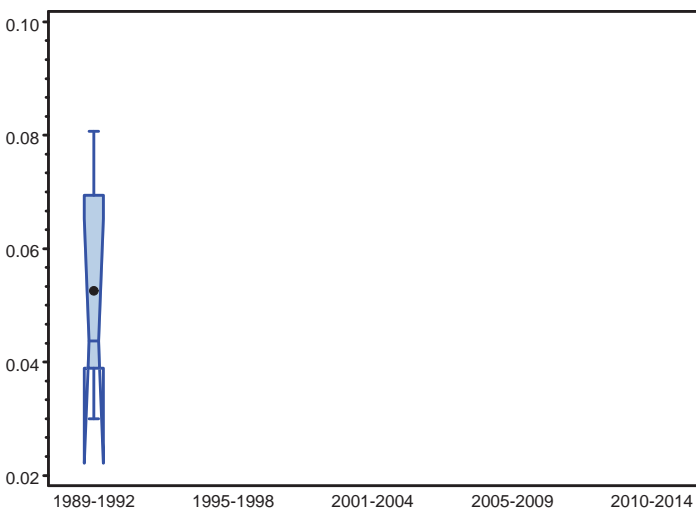
Cocohatchee River



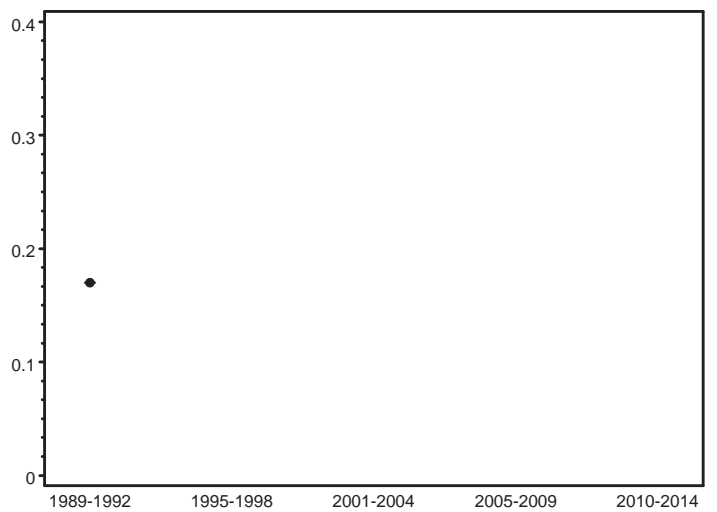
Faka Union (South Segment)



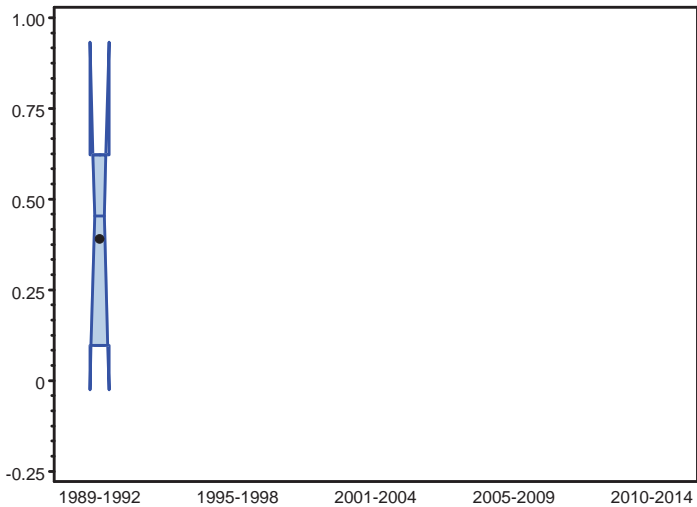
Fakahatchee Strand



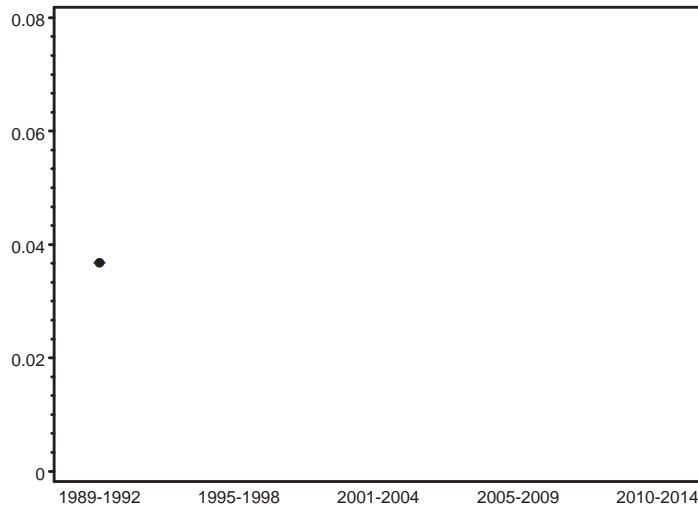
Gordon River (Marine Segment)



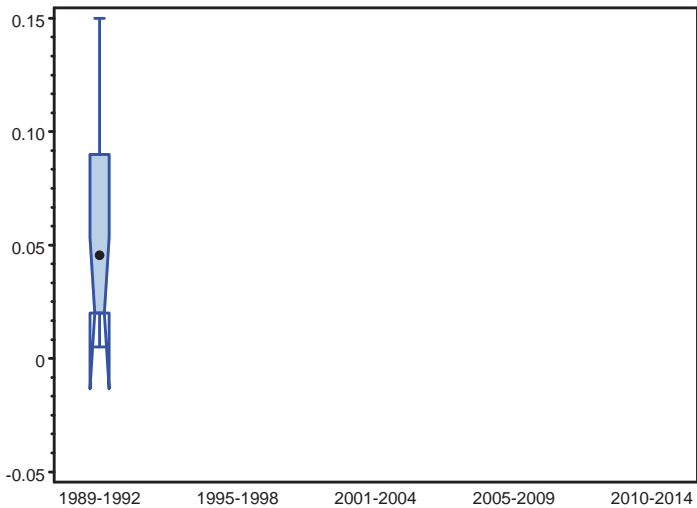
Gordon River Extension



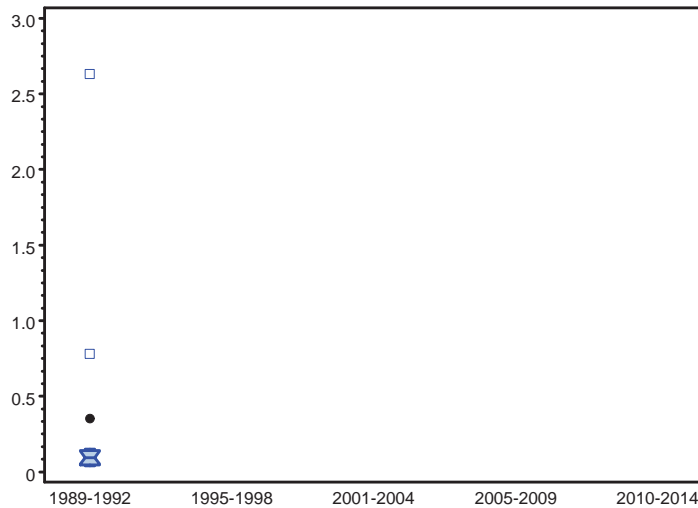
Haldeman Creek (Upper)



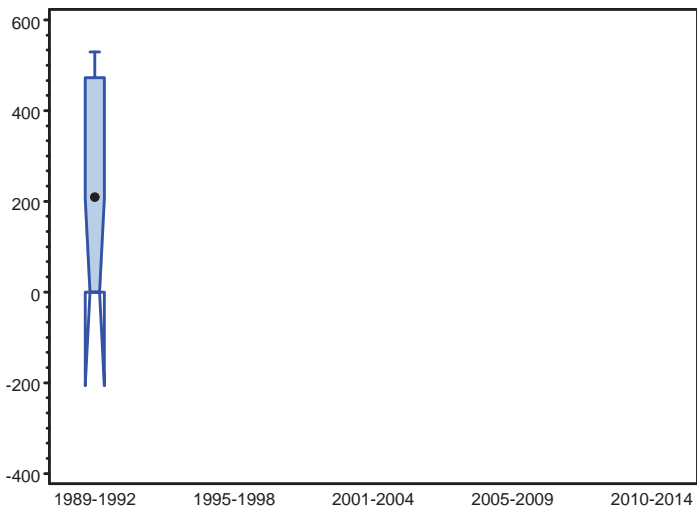
Naples Bay (Coastal Segment)



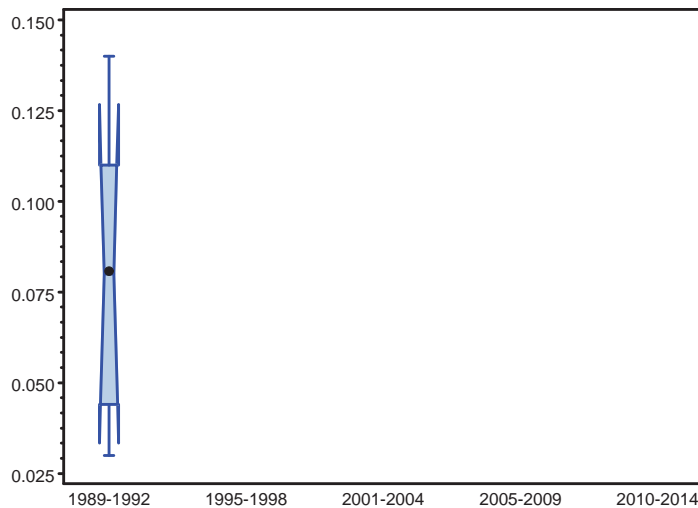
North Golden Gate



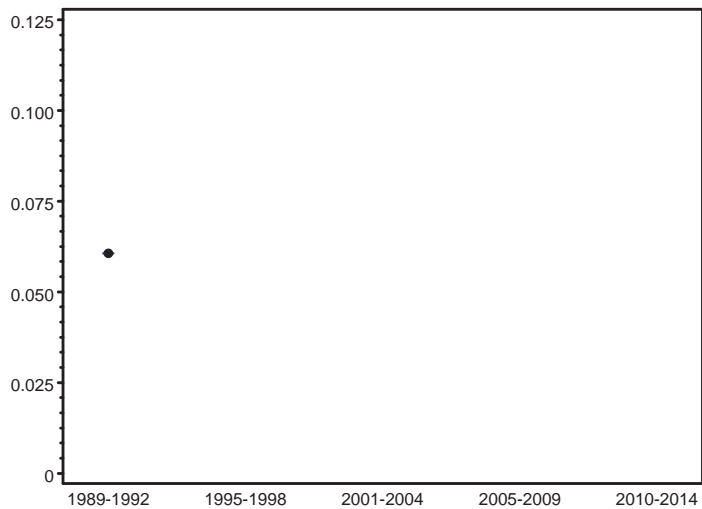
Rookery Bay (Coastal Segment)



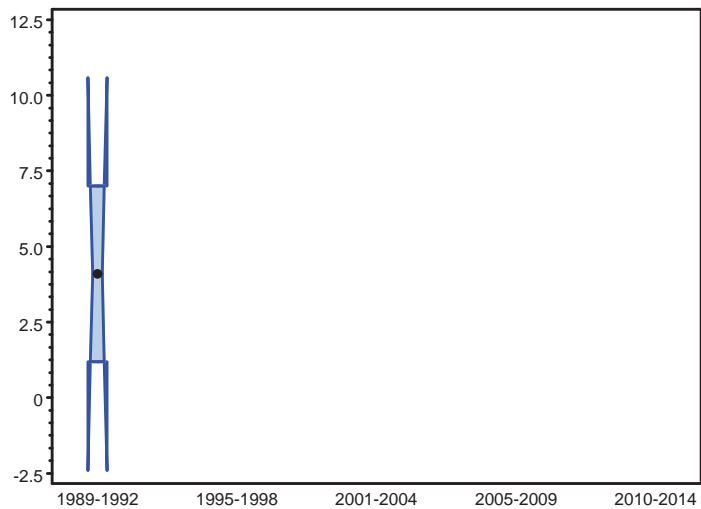
Rookery Bay (Inland East Segment)



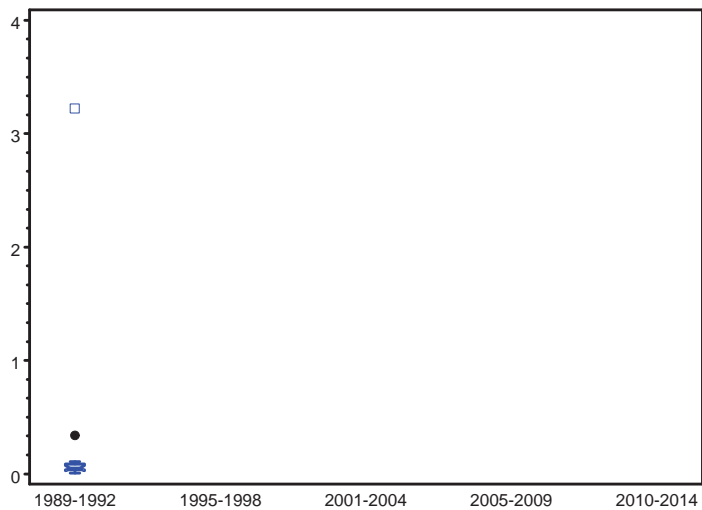
Rookery Bay (Inland West Segment)



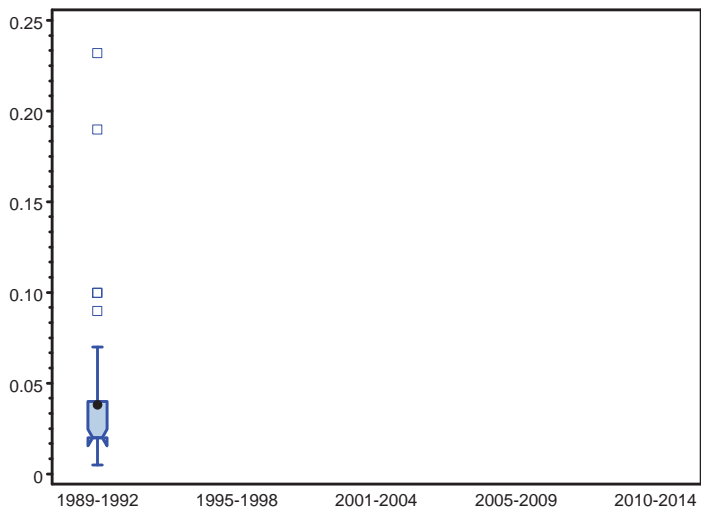
Silver Strand



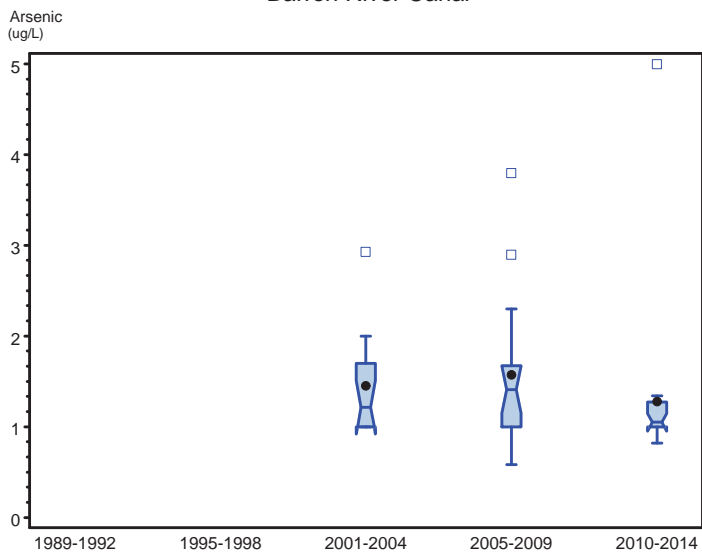
Tamiami Canal



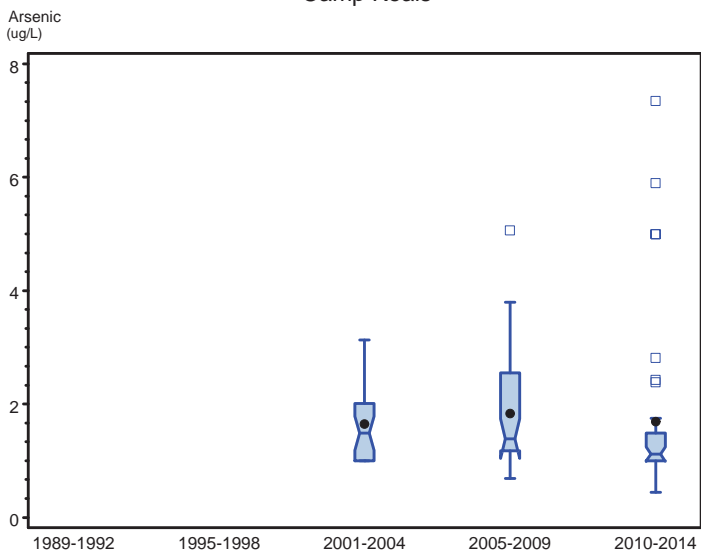
Ten Thousand Islands



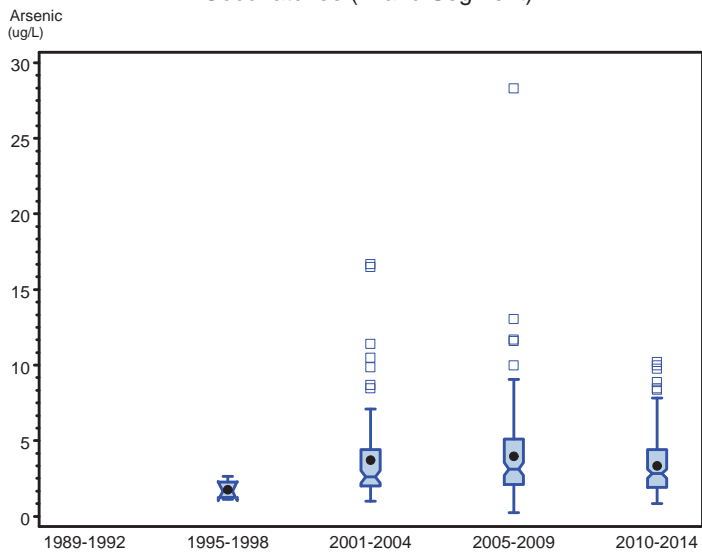
Barron River Canal



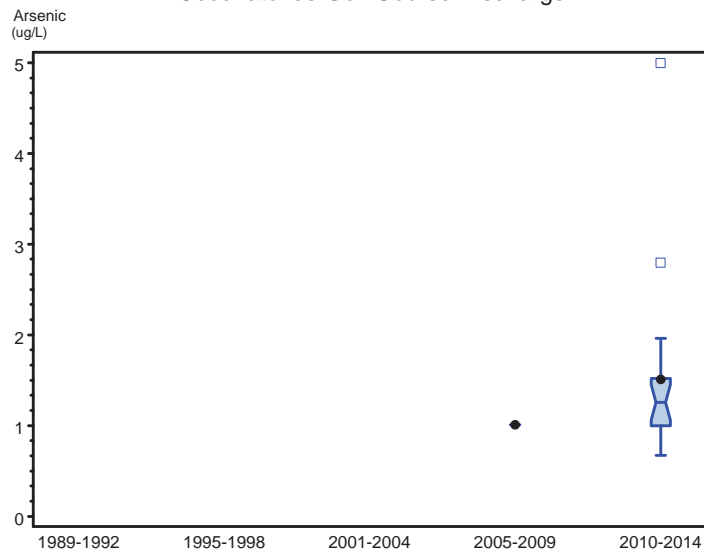
Camp Keais



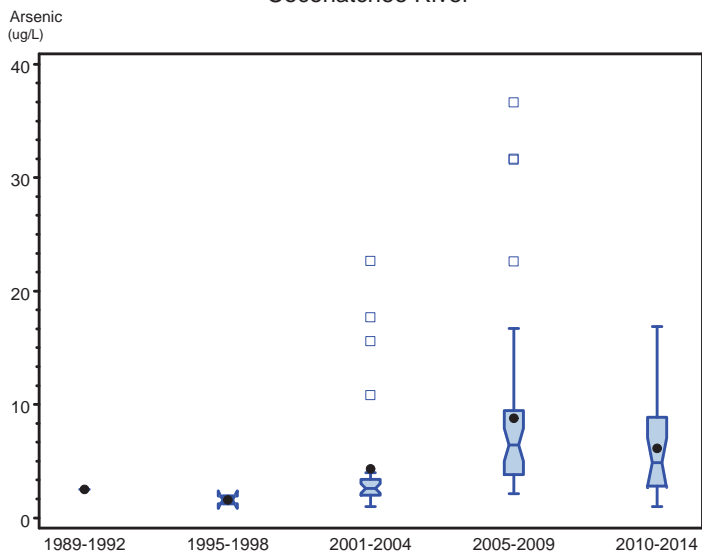
Cocohatchee (Inland Segment)



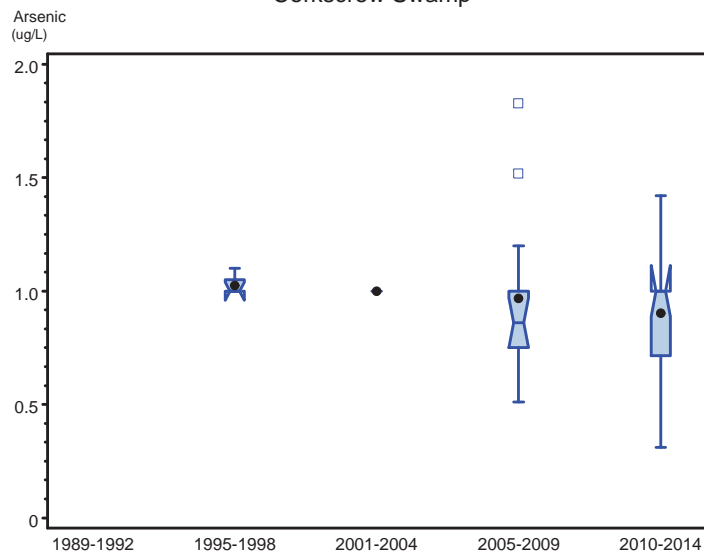
Cocohatchee Golf Course Discharge



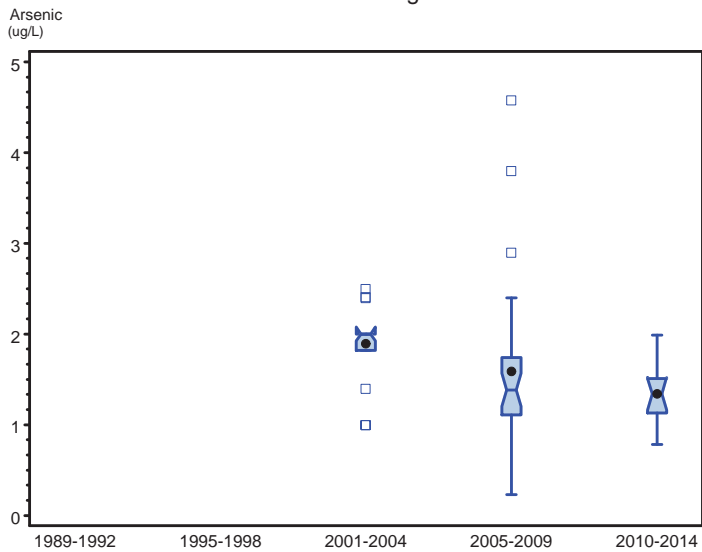
Cocohatchee River



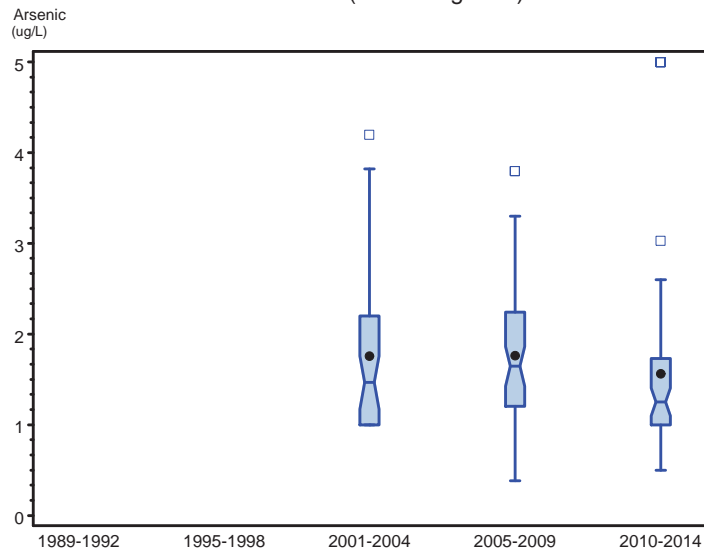
Corkscrew Swamp



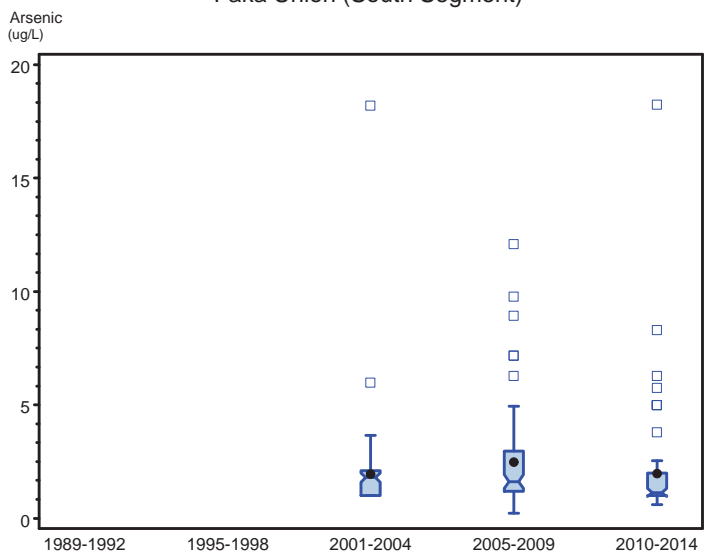
Cow Slough



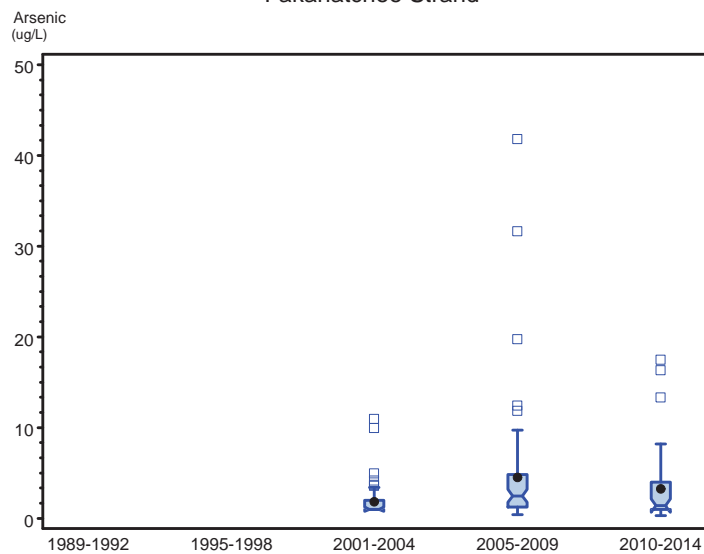
Faka Union (North Segment)



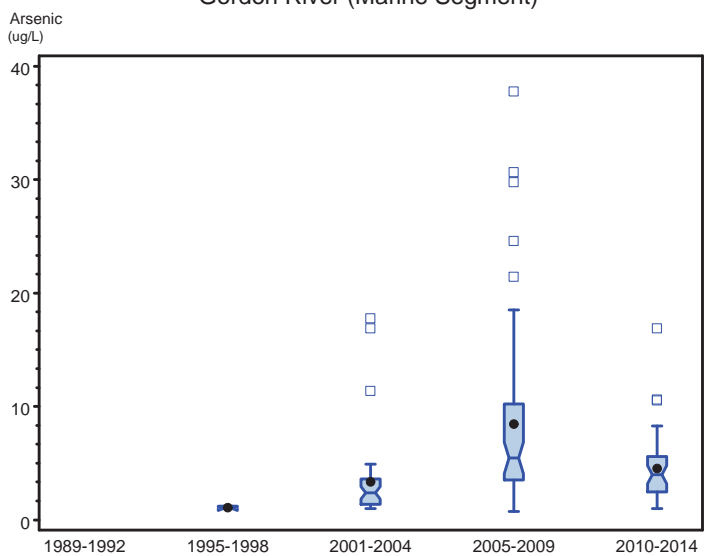
Faka Union (South Segment)



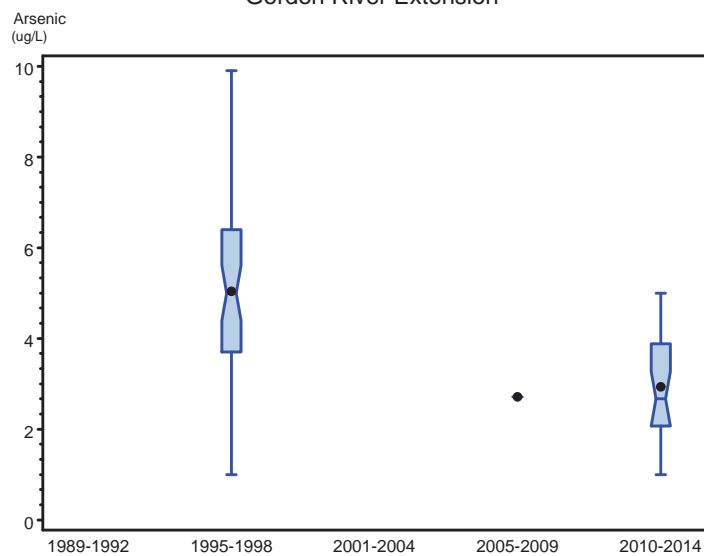
Fakahatchee Strand



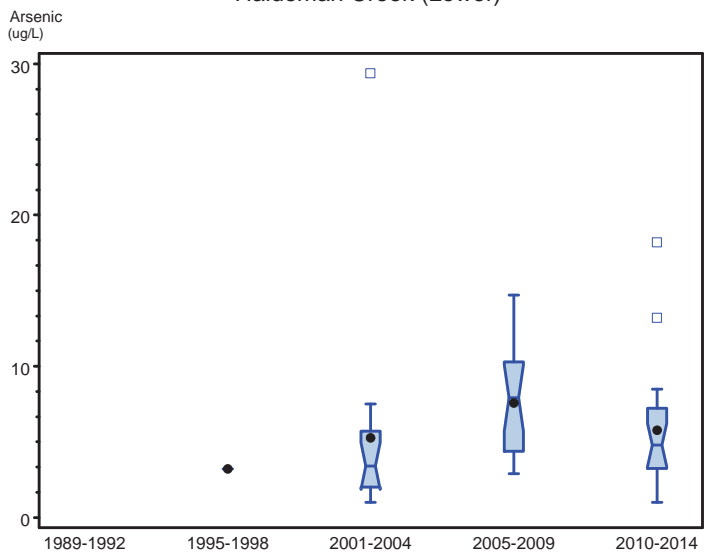
Gordon River (Marine Segment)



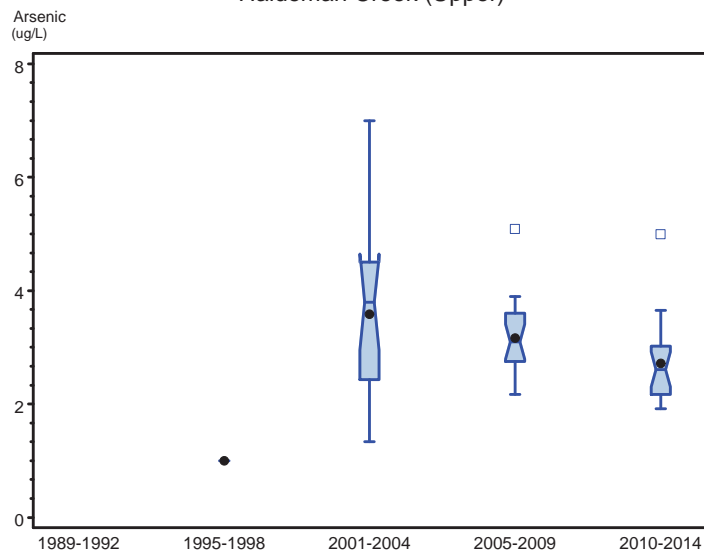
Gordon River Extension



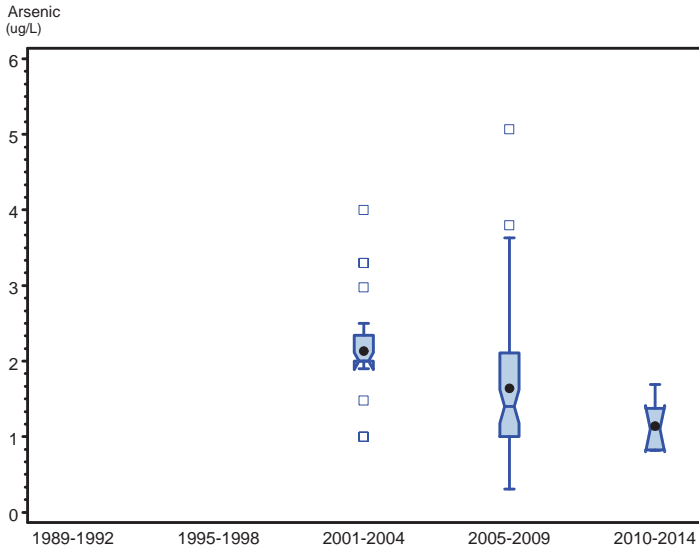
Haldeman Creek (Lower)



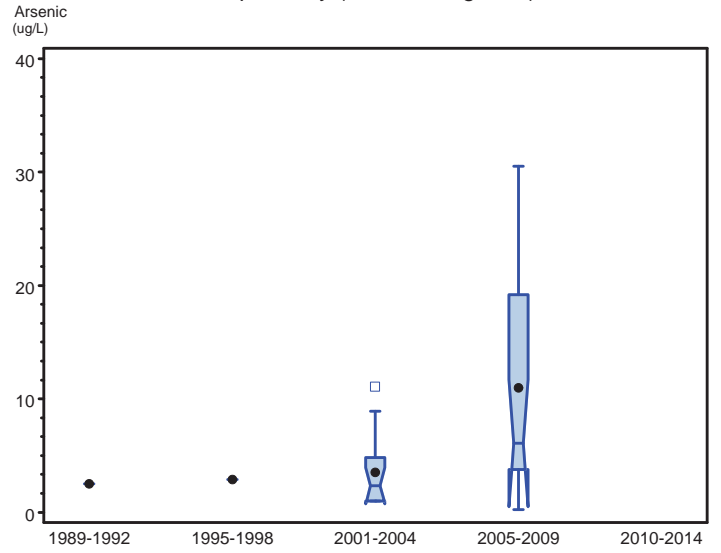
Haldeman Creek (Upper)



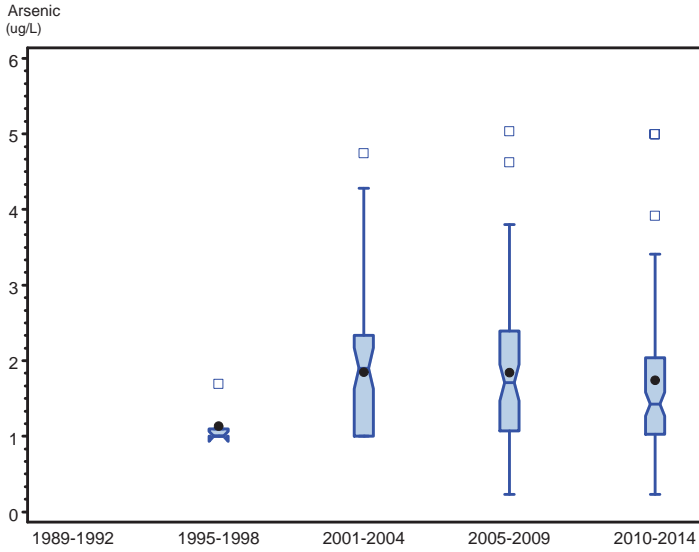
Immokalee Basin



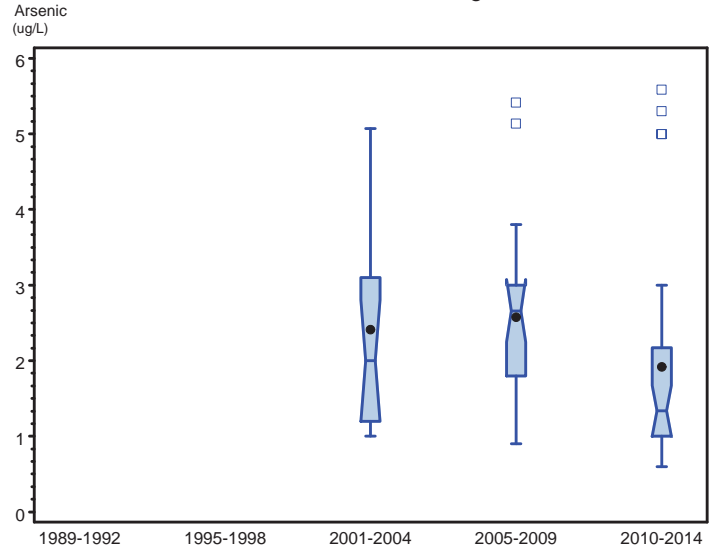
Naples Bay (Coastal Segment)



North Golden Gate



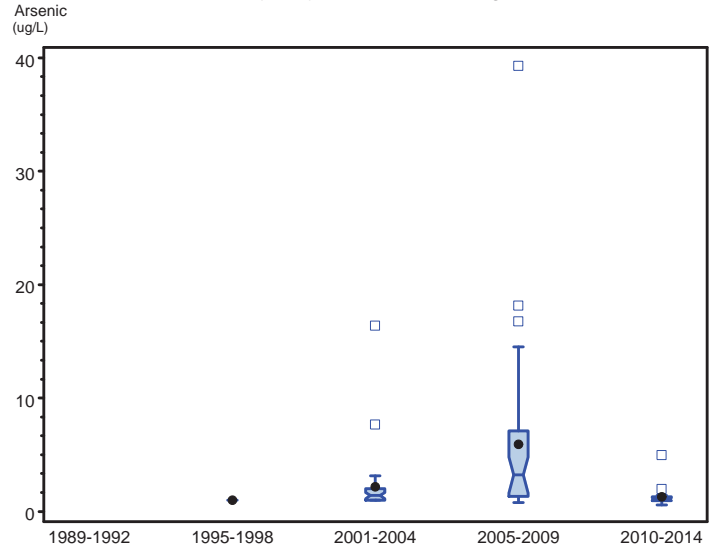
Okaloacoochee Slough



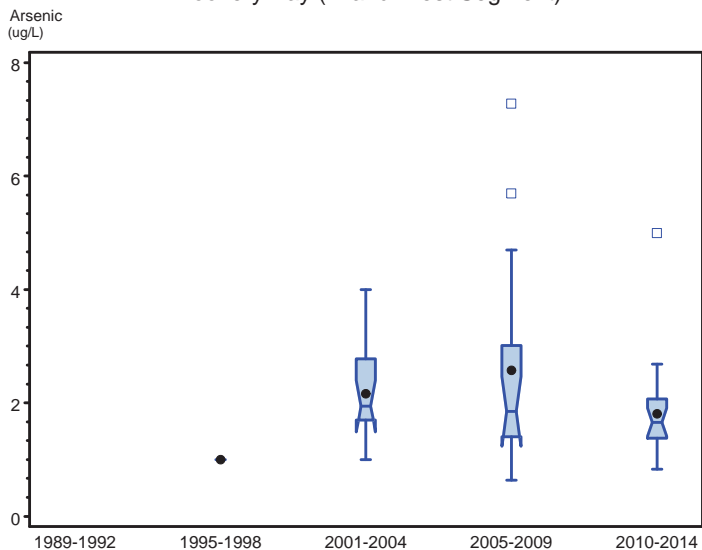
Rookery Bay (Coastal Segment)



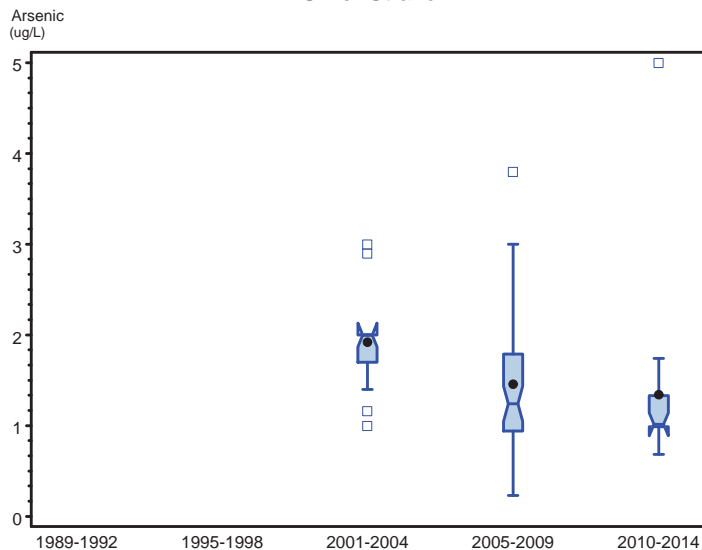
Rookery Bay (Inland East Segment)



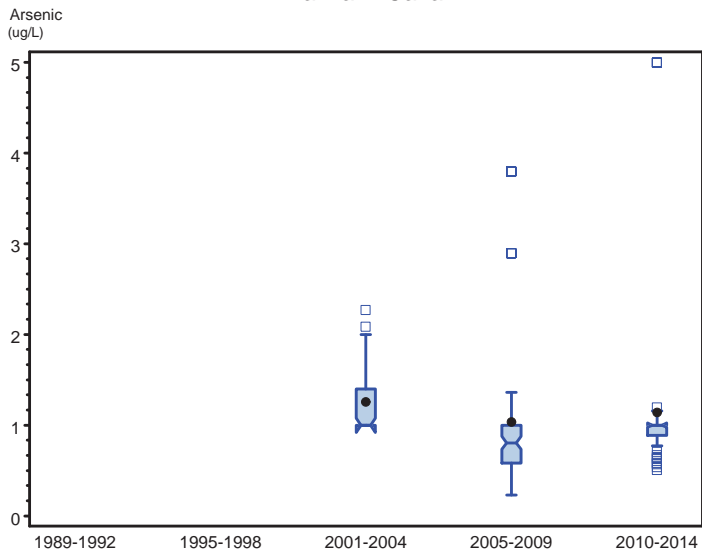
Rookery Bay (Inland West Segment)



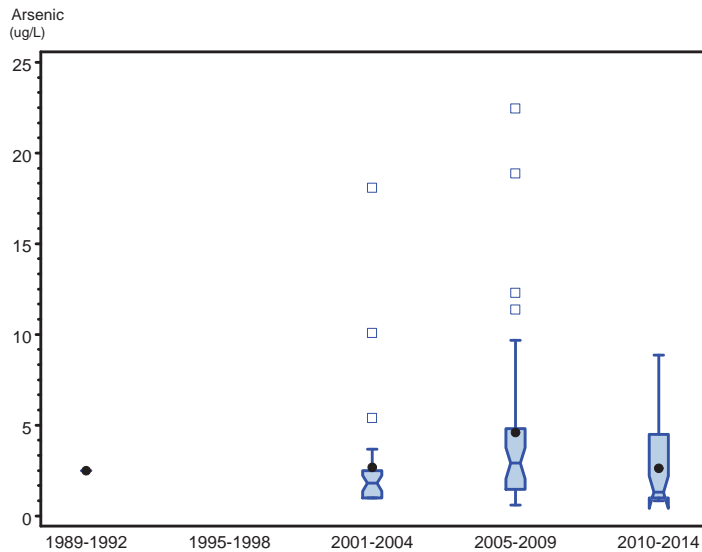
Silver Strand



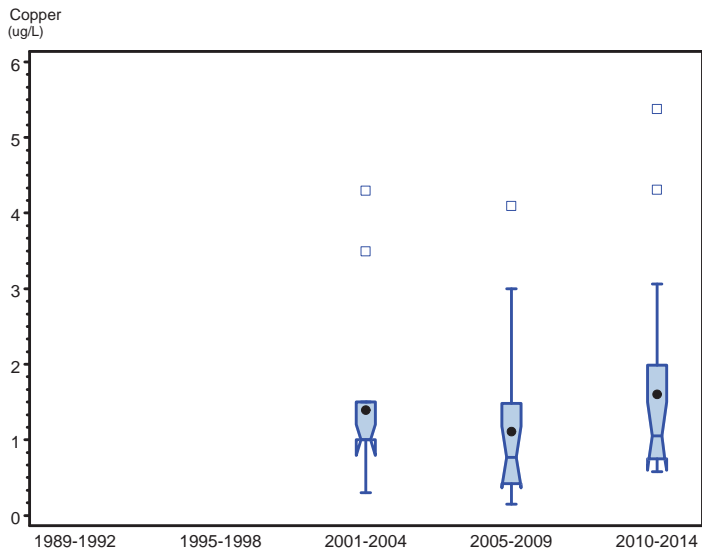
Tamiami Canal



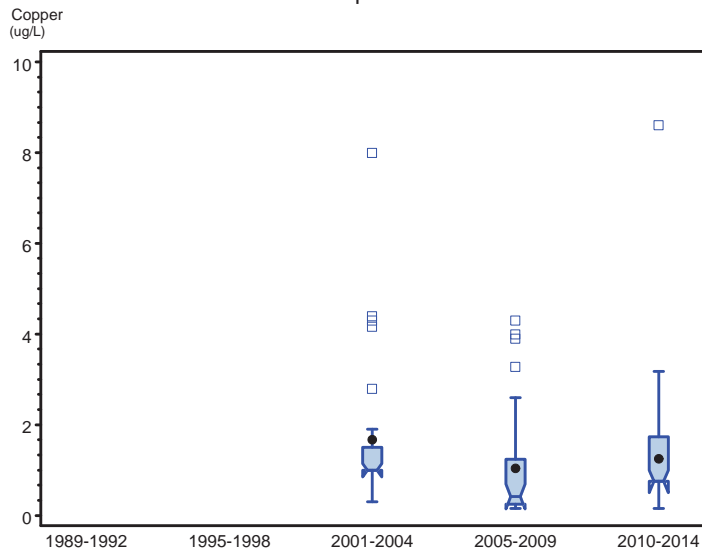
Ten Thousand Islands



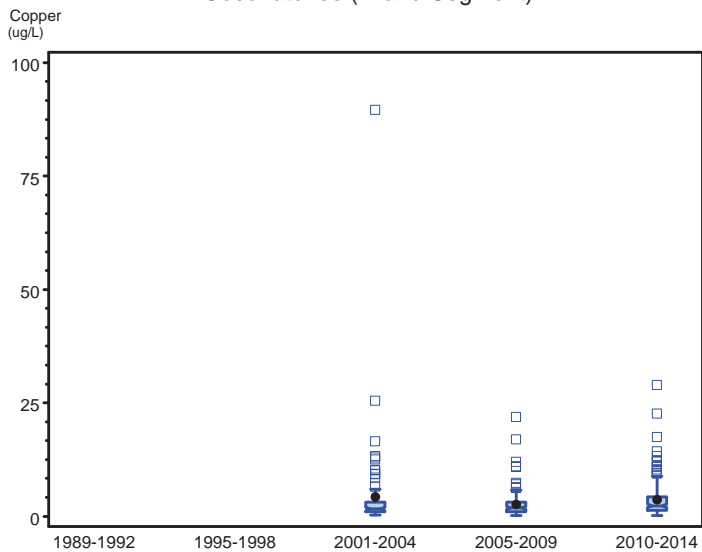
Barron River Canal



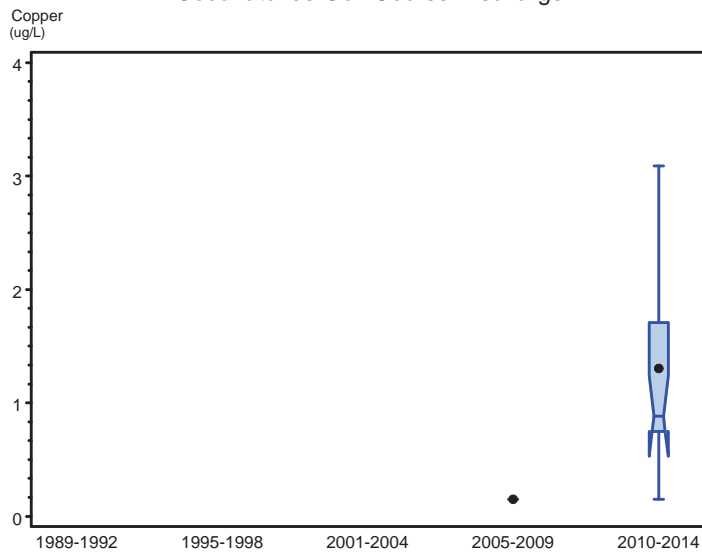
Camp Keais



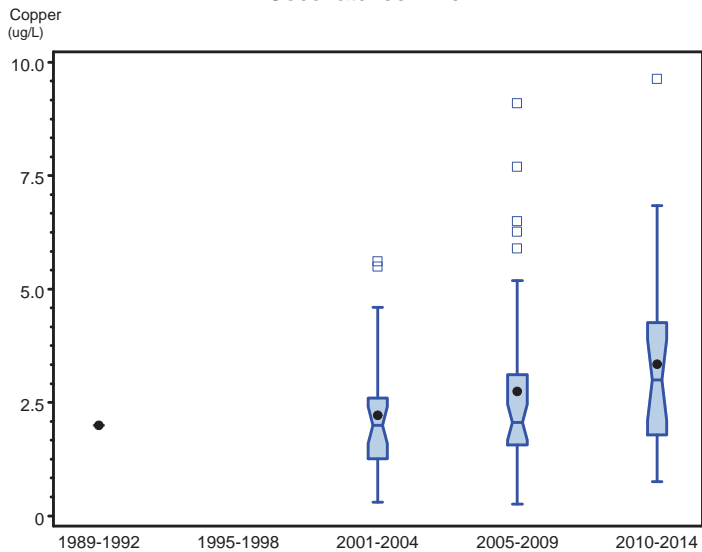
Cocohatchee (Inland Segment)



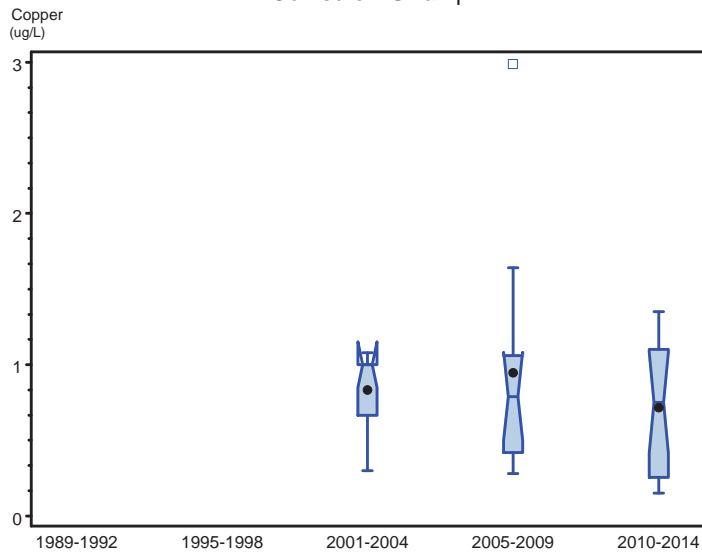
Cocohatchee Golf Course Discharge



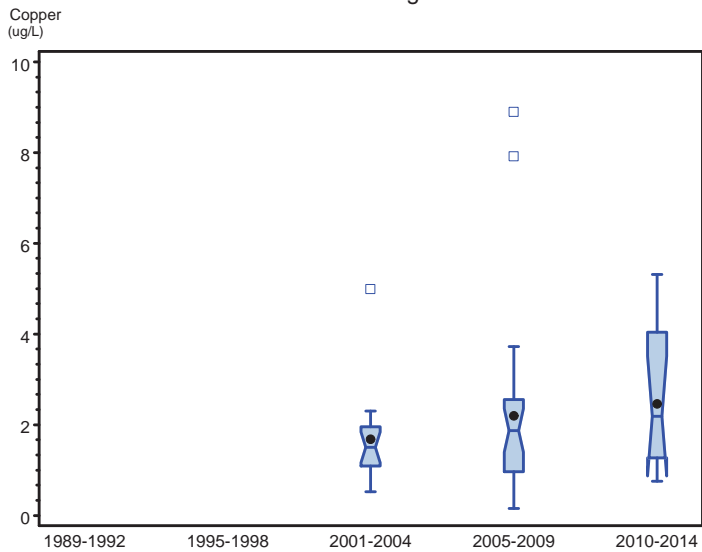
Cocohatchee River



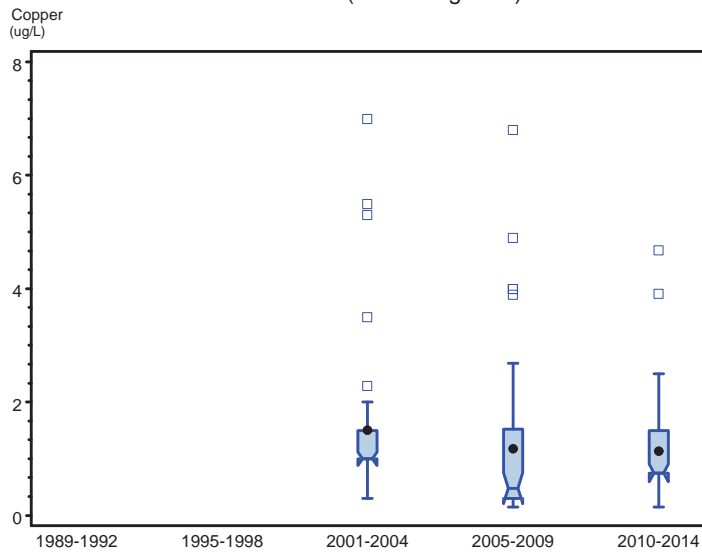
Corkscrew Swamp



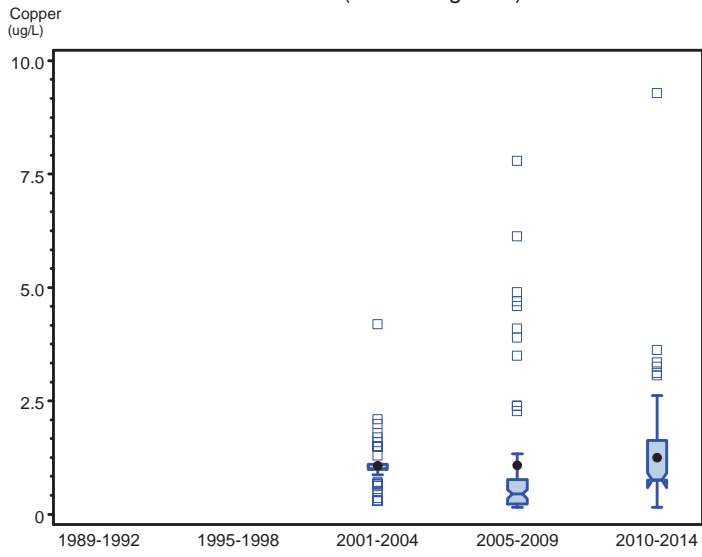
Cow Slough



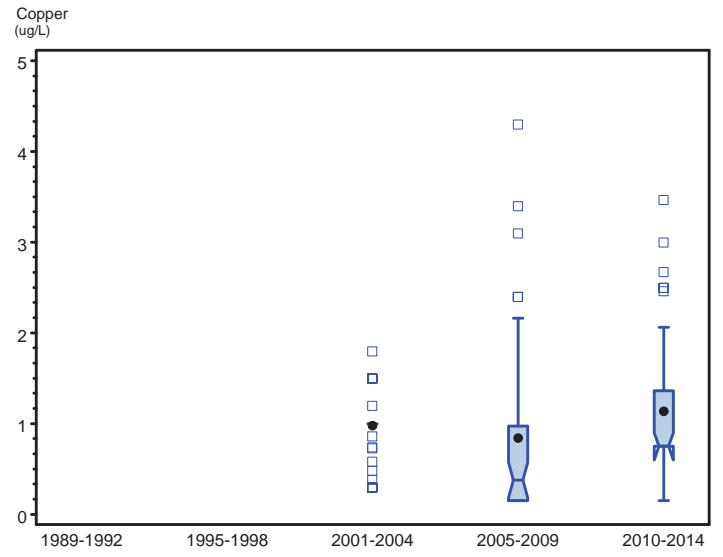
Faka Union (North Segment)



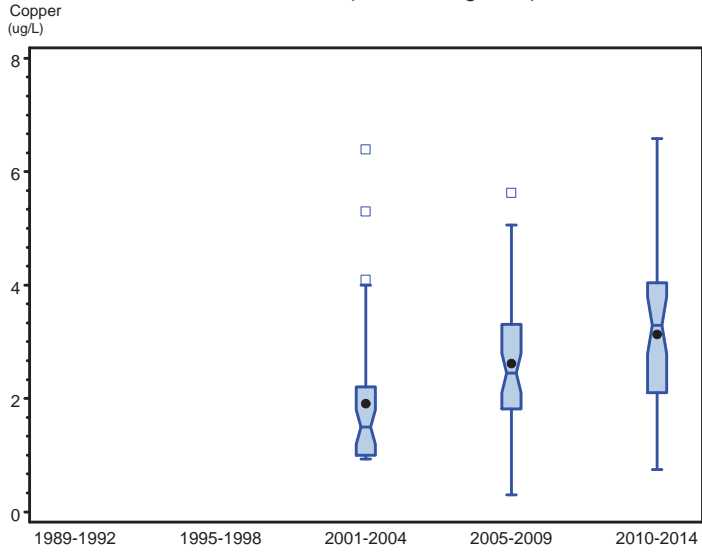
Faka Union (South Segment)



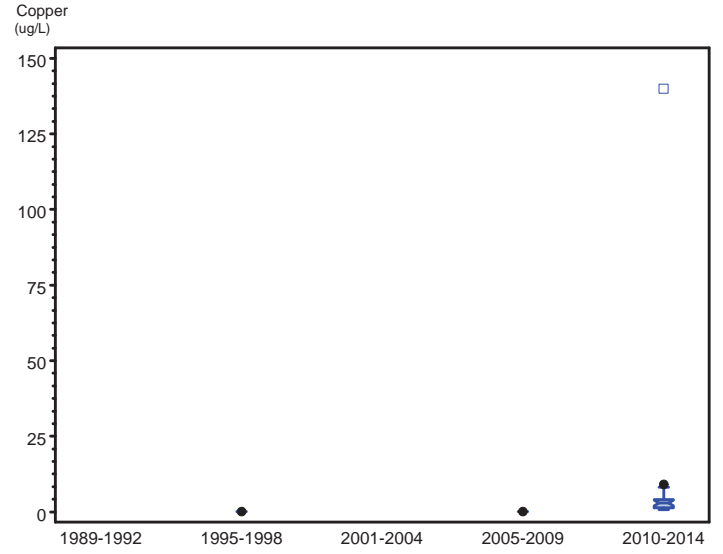
Fakahatchee Strand



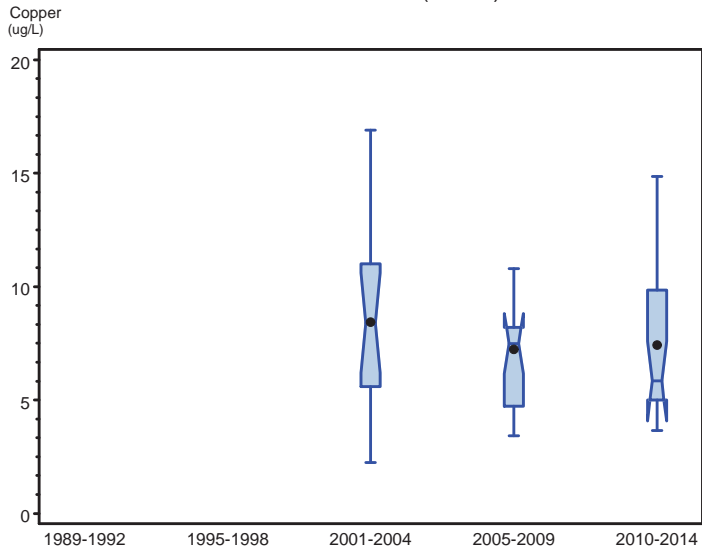
Gordon River (Marine Segment)



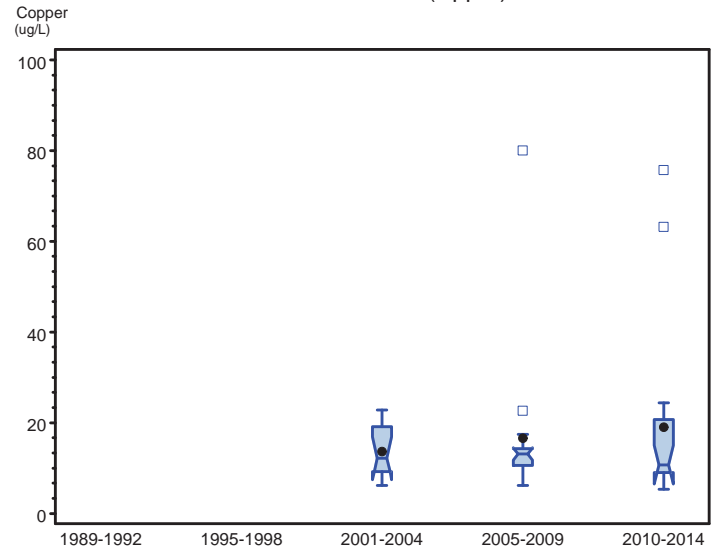
Gordon River Extension



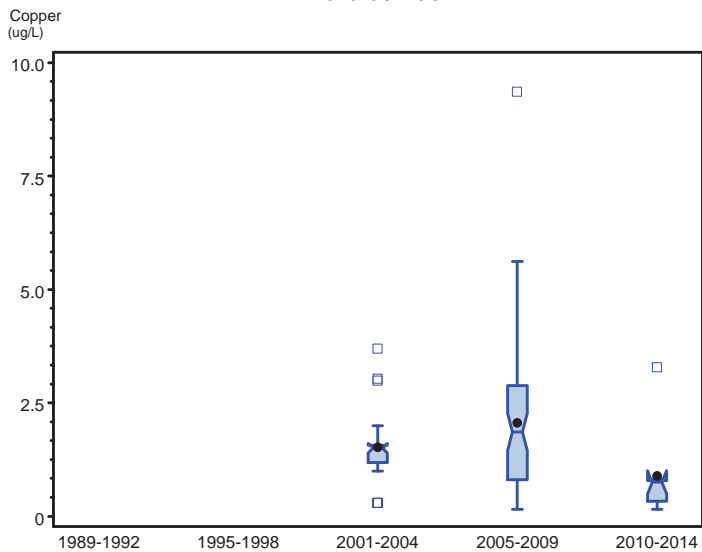
Haldeman Creek (Lower)



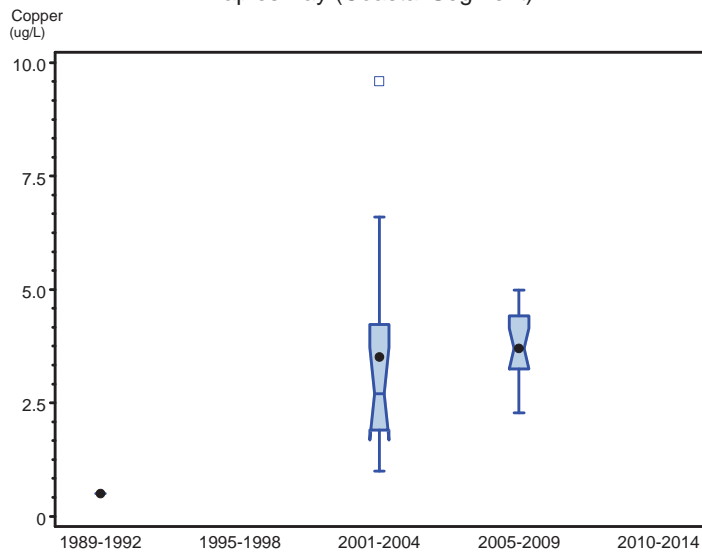
Haldeman Creek (Upper)



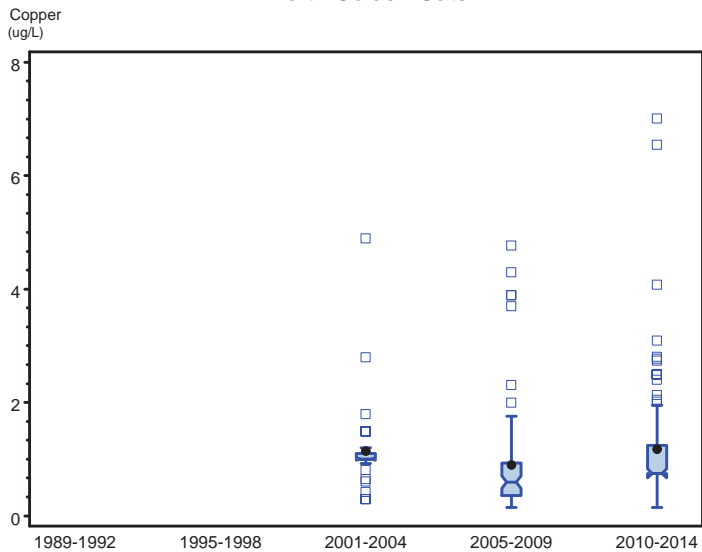
Immokalee Basin



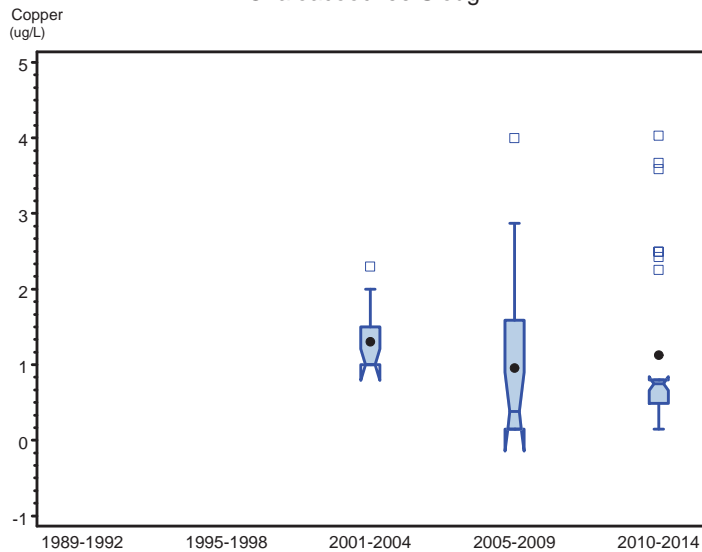
Naples Bay (Coastal Segment)



North Golden Gate



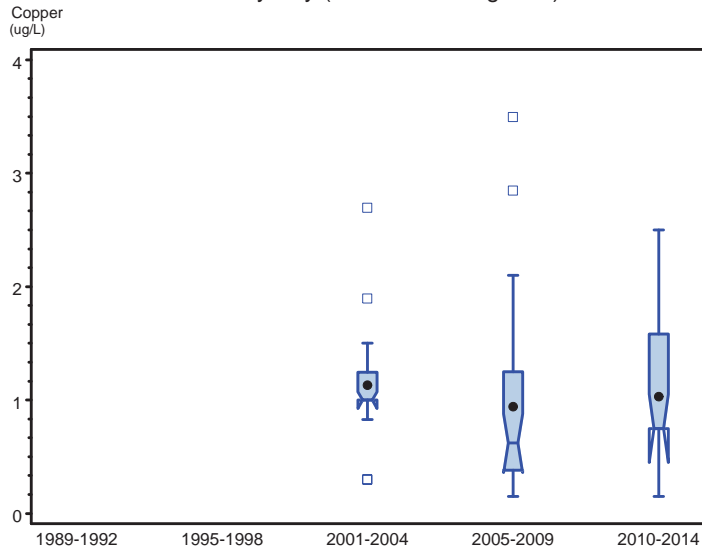
Okaloacoochee Slough



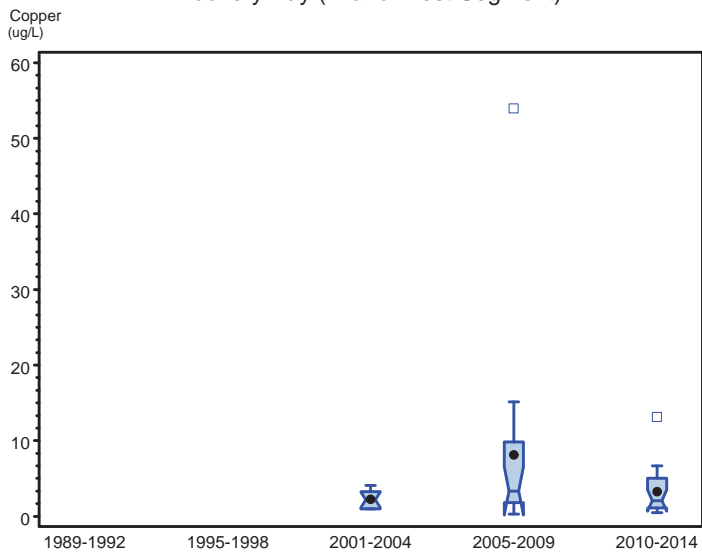
Rookery Bay (Coastal Segment)



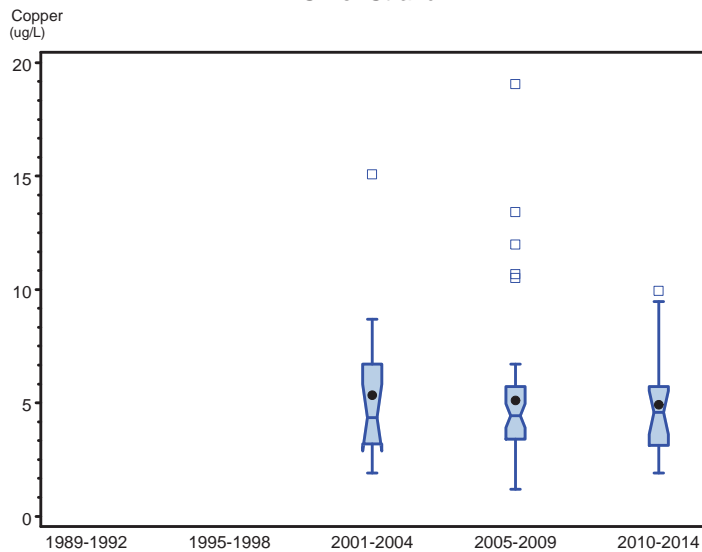
Rookery Bay (Inland East Segment)



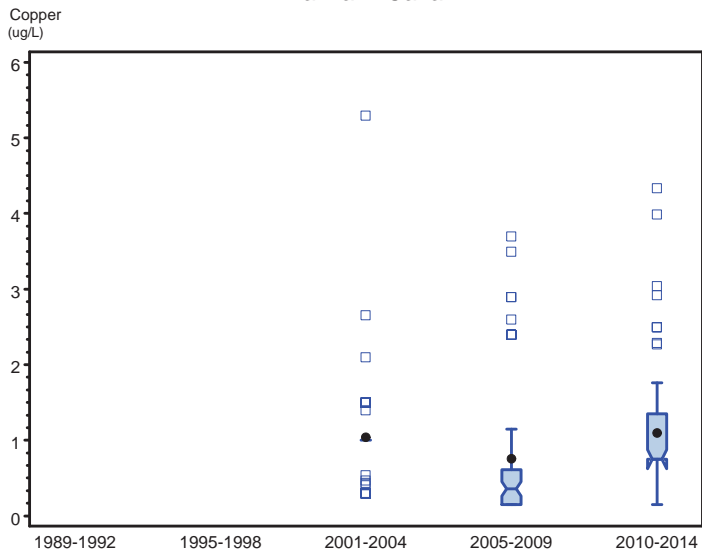
Rookery Bay (Inland West Segment)



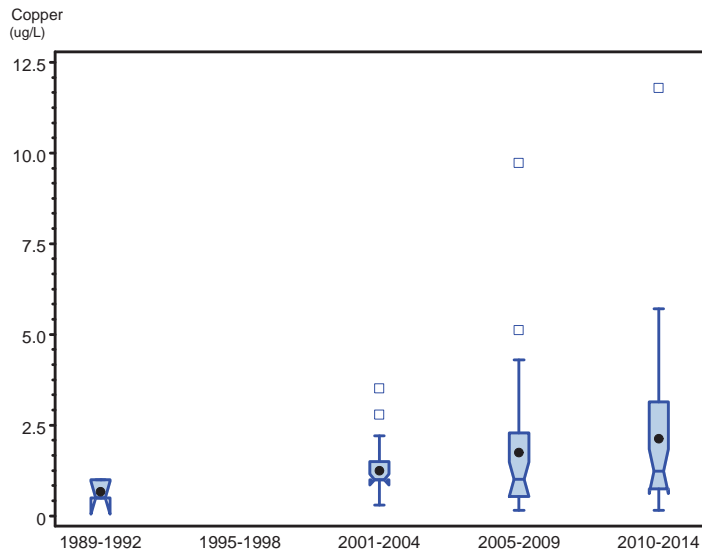
Silver Strand



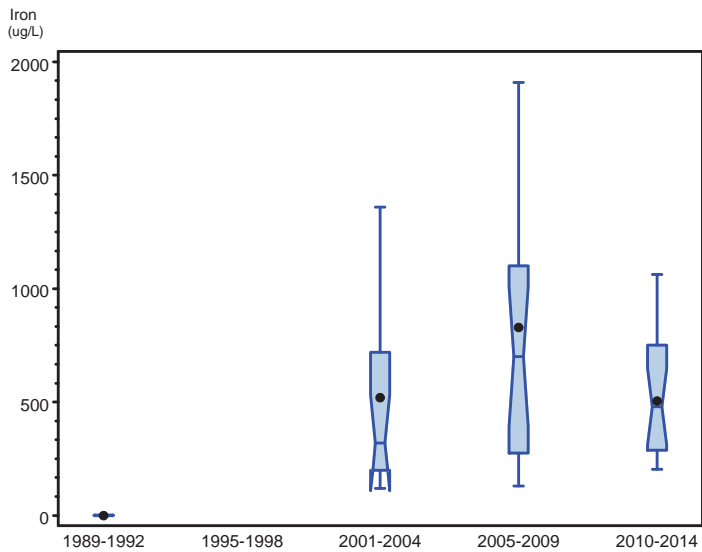
Tamiami Canal



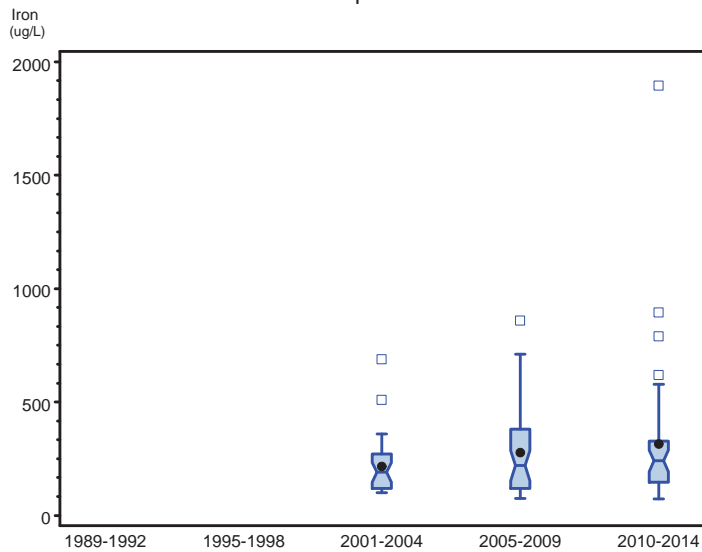
Ten Thousand Islands



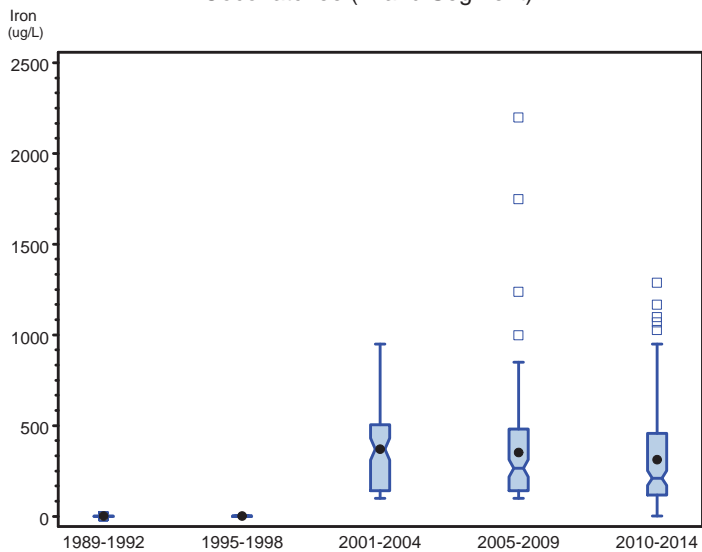
Barron River Canal



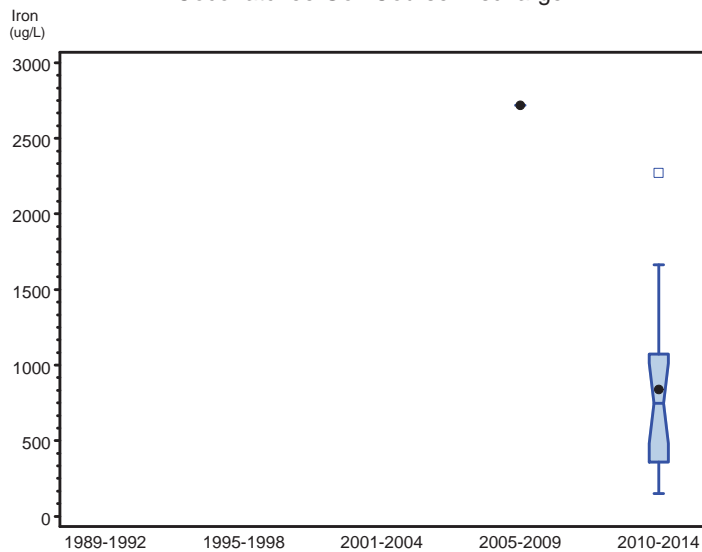
Camp Keais



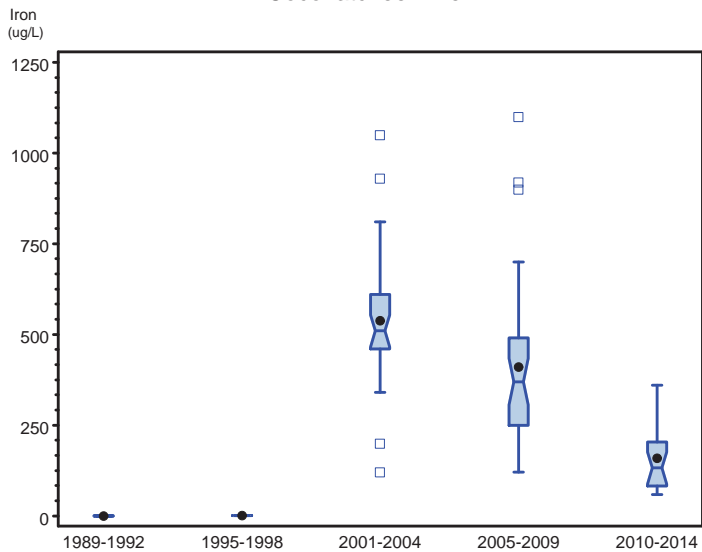
Cocohatchee (Inland Segment)



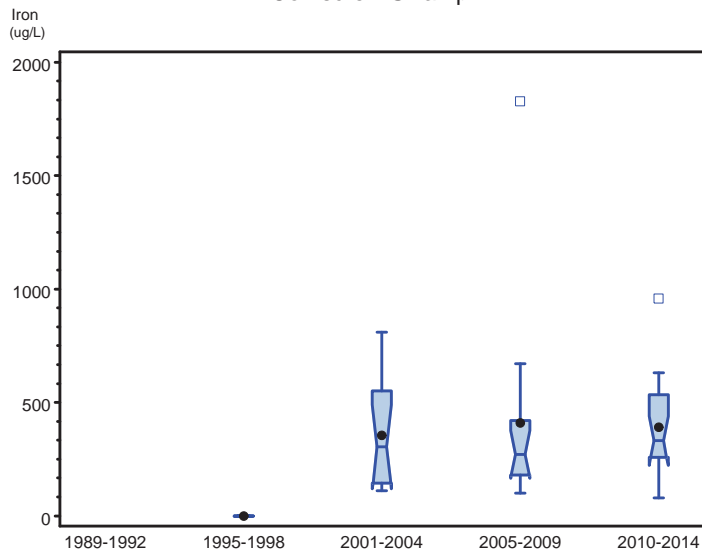
Cocohatchee Golf Course Discharge



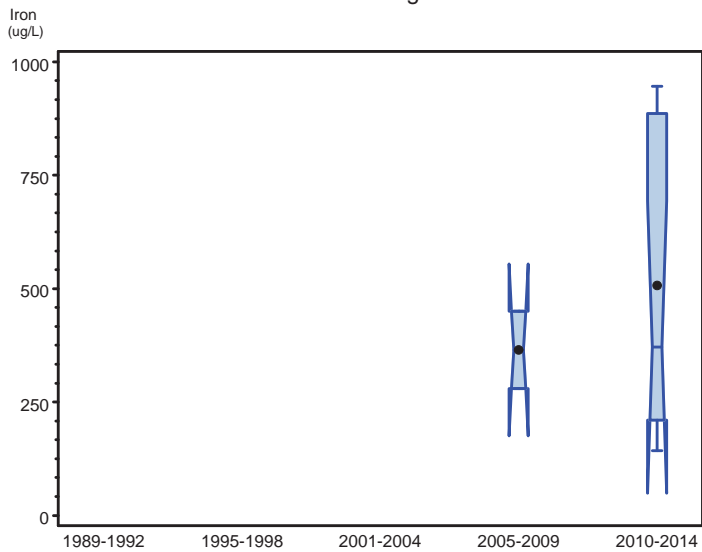
Cocohatchee River



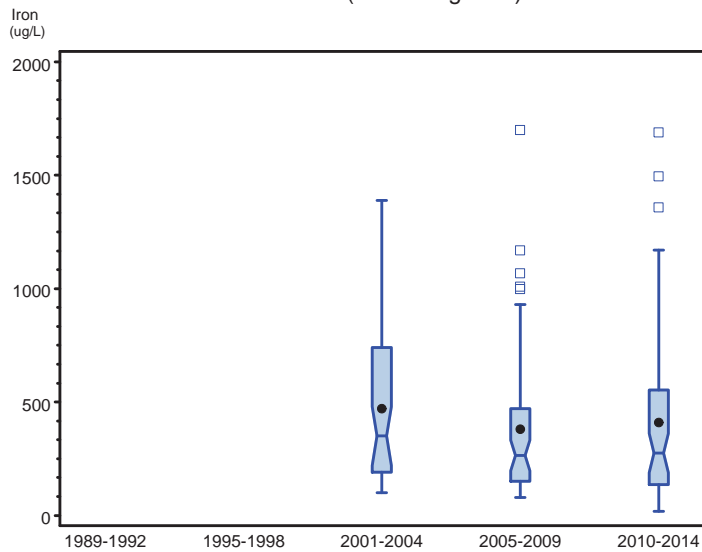
Corkscrew Swamp



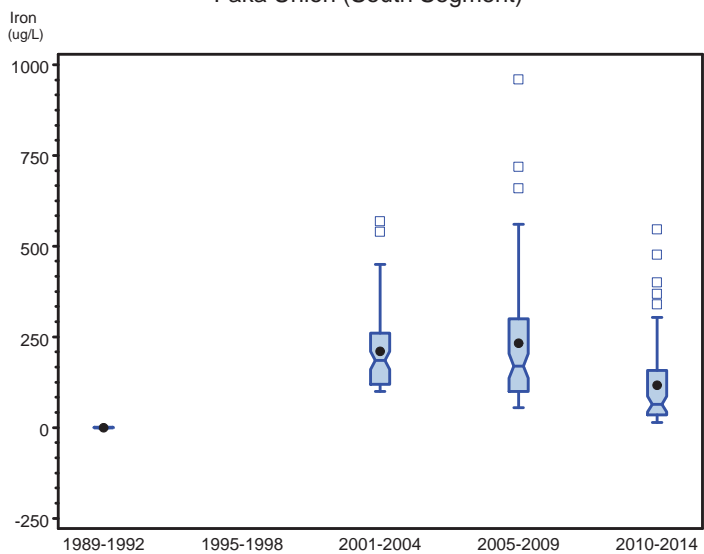
Cow Slough



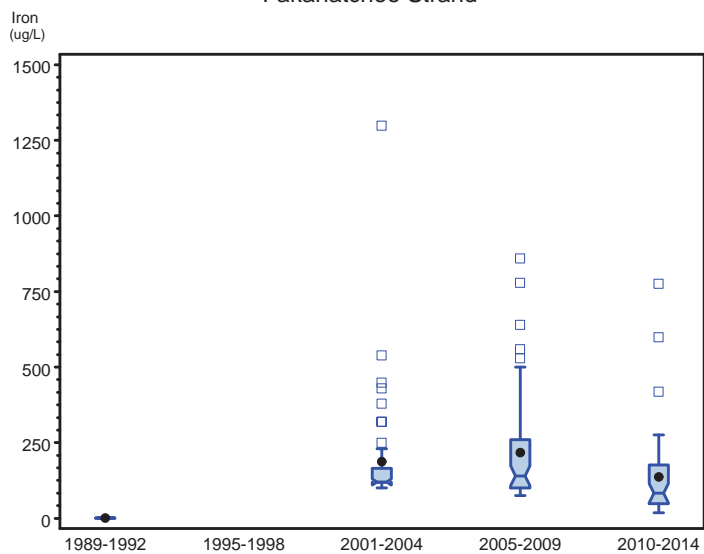
Faka Union (North Segment)



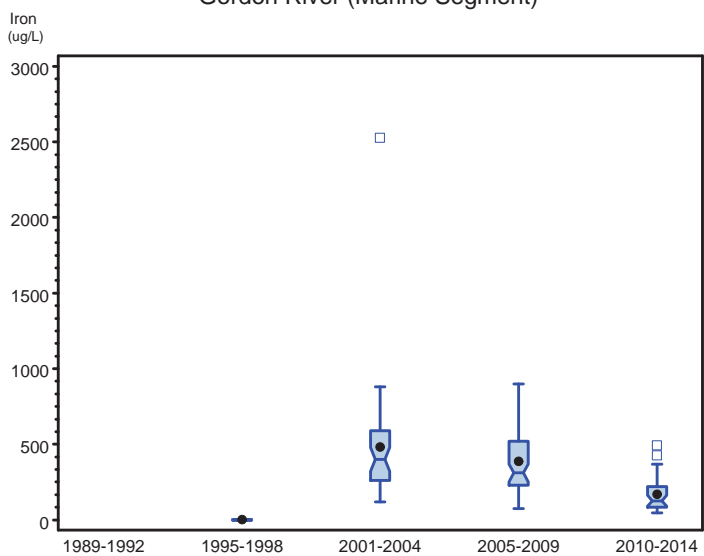
Faka Union (South Segment)



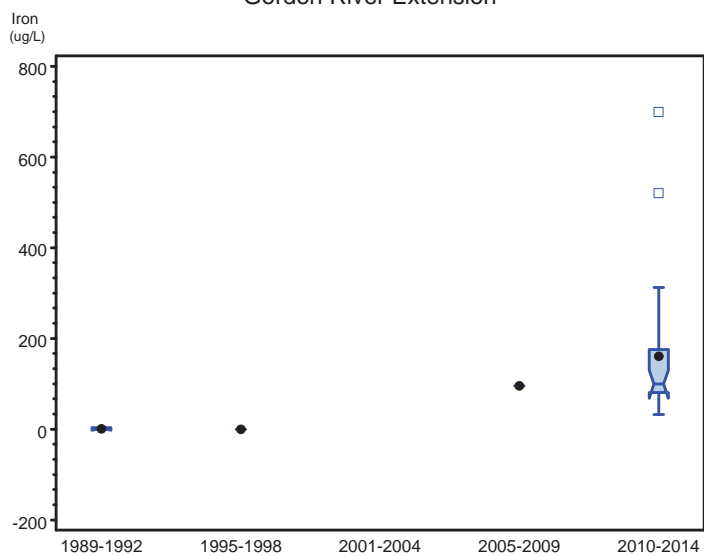
Fakahatchee Strand



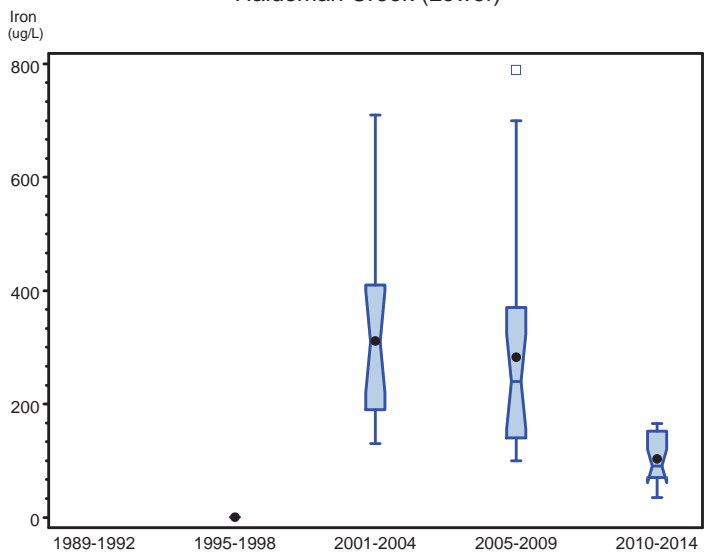
Gordon River (Marine Segment)



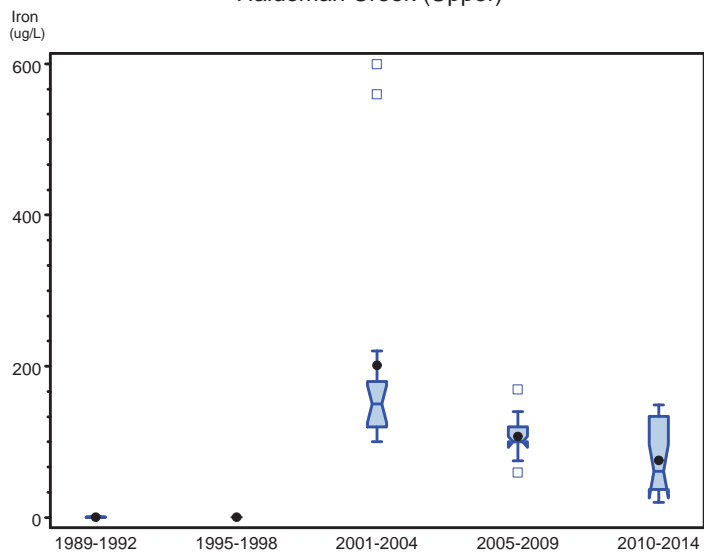
Gordon River Extension



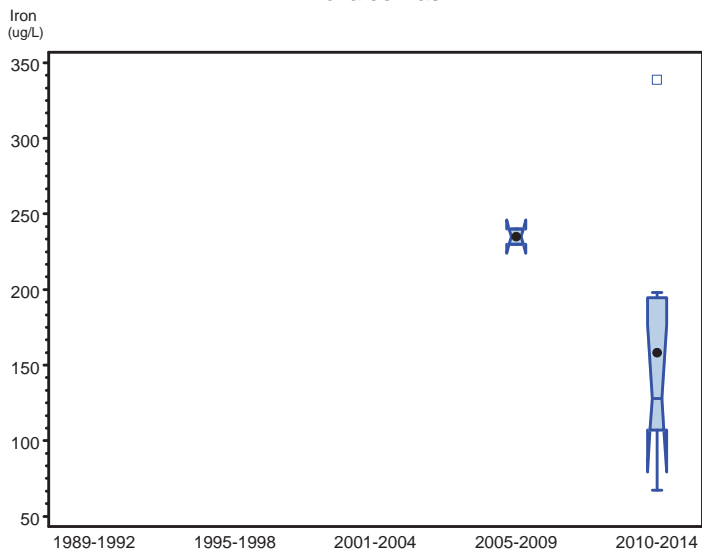
Haldeman Creek (Lower)



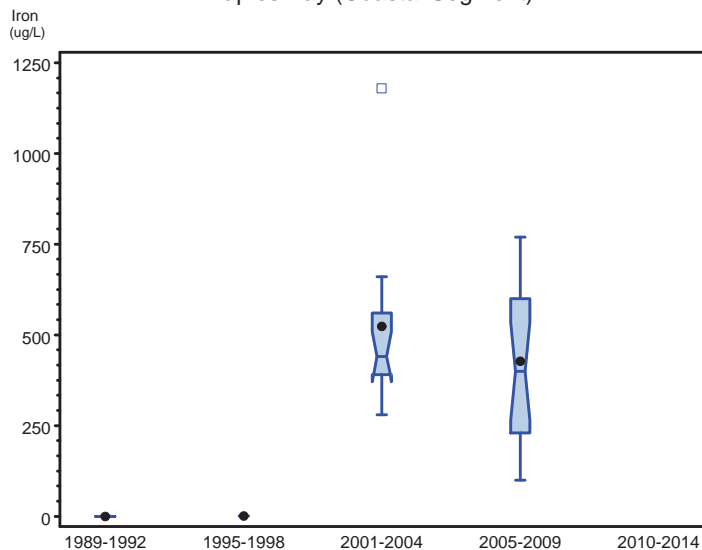
Haldeman Creek (Upper)



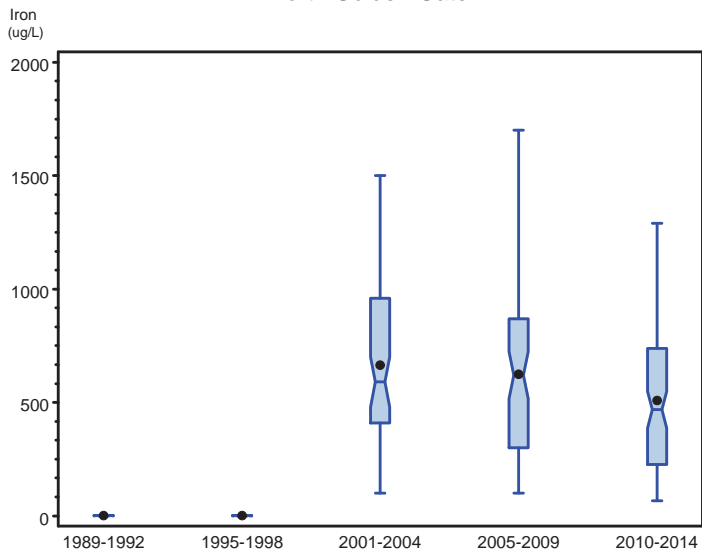
Immokalee Basin



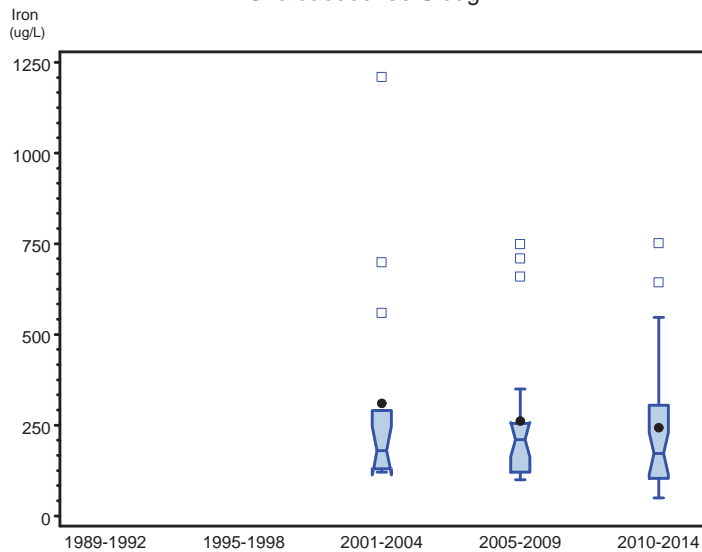
Naples Bay (Coastal Segment)



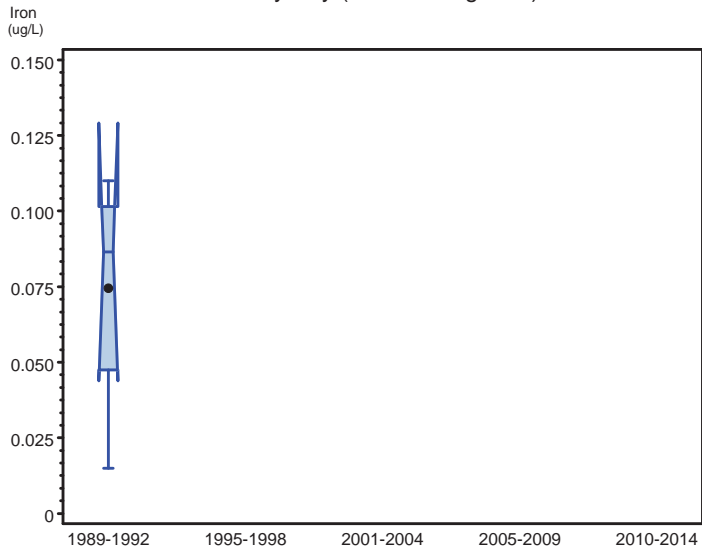
North Golden Gate



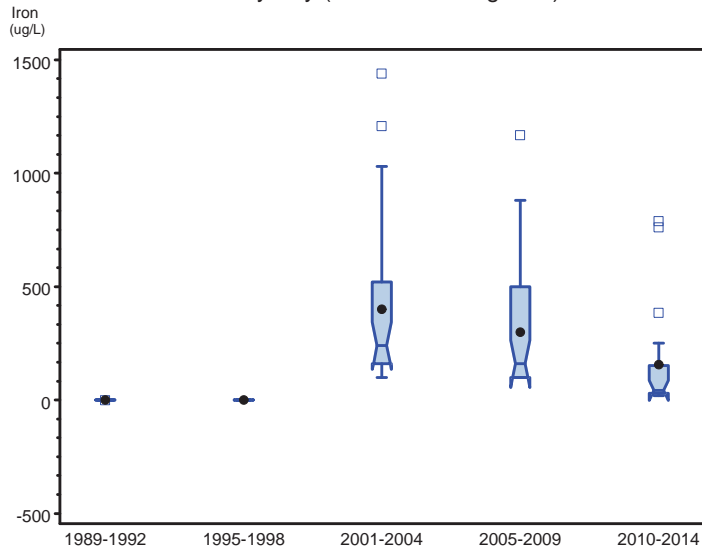
Okaloacoochee Slough



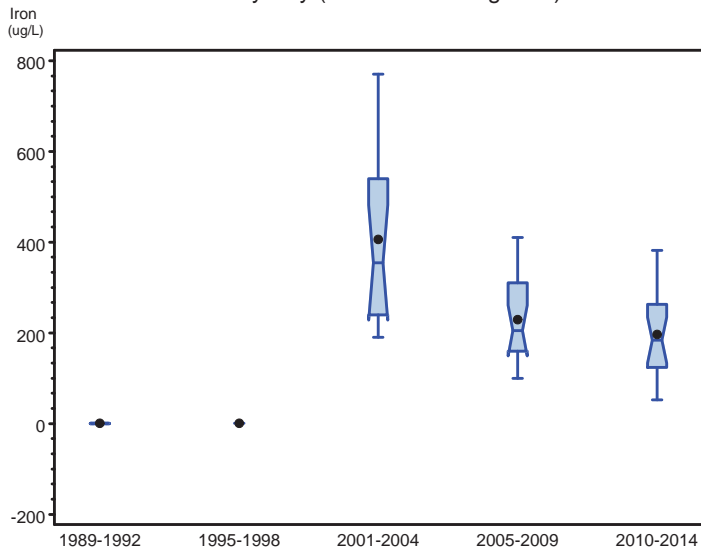
Rookery Bay (Coastal Segment)



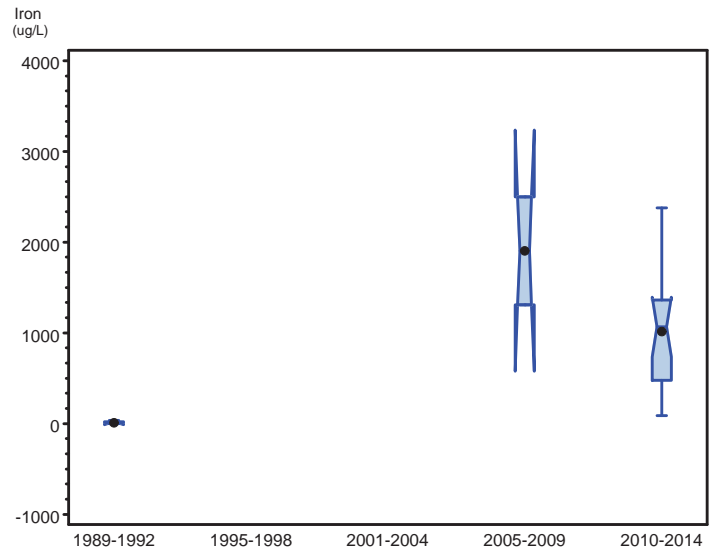
Rookery Bay (Inland East Segment)



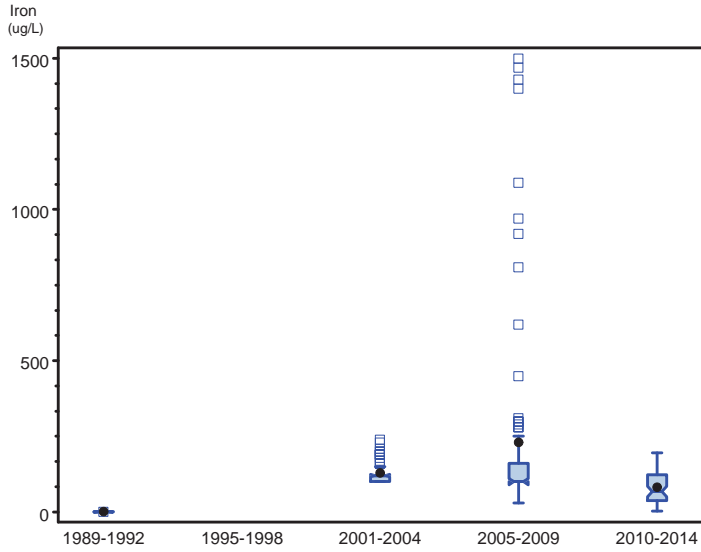
Rookery Bay (Inland West Segment)



Silver Strand



Tamiami Canal



Ten Thousand Islands

