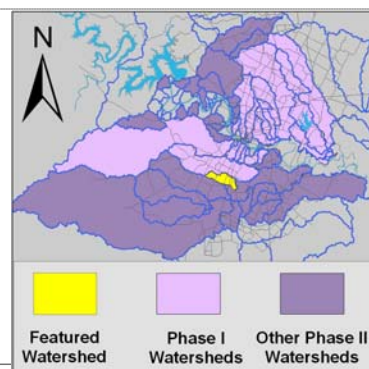


South Boggy Watershed

Summary Sheet

Catchment	Total area	4.8 sq. miles				
	Area in recharge	0				
	Creek length	7 miles				
	Receiving water	Onion Creek				
Demographics	2000 population	16,002				
	2030 projected population	18,721				
	30 year projected % increase	17 %				
Land Use	Impervious cover (2003 estimate)	19.88 %				
Overall EII Scores	2001	2004	2007	2010	2012	
	66	61	66	71	61	



Flow Regime* for Sample Sites on South Boggy Creek

Site #	Site Name	2004					2007					2010				2011	2012			
		Mar	May	May	Jun	Oct	Dec	Feb	May	Jun	Sep	Dec	Mar	May	May	Oct	Dec	Mar	Apr	May
		WQ	WQ	Bio	WQ	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	Bio	Bio
1080	Loganberry																			
1081	Dittmar	B	B	B	B	n	B	B	B	B	B	n	B	B	B	B	B	B	B	B
227	Bluff Spgs	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B		n
3294	Congress	B	B	B	B	B	B													

* B = baseflow n = no flow storm = storm flow blue = Samples were taken grey = Samples were not taken blank = not visited

Summary of 2012 Data for South Boggy Creek

Summary	Parameter	Mean	Max	Min	Discussion
Physicochemical	D.O. mg/l	7.0	8.7	4.6	Some low values at upstream site.
	pH st.units	7.80	7.95	7.62	Within normal range.
	Cond uS/cm	499	662	213	Within normal range.
Nutrients	NH ₃ mg/l	0.008	0.008	0.008	Consistently low.
	NO ₃ mg/l	1.838	6.300	0.159	Mostly within normal range, one high reading at upstream site.
	Ortho P mg/l	0.014	0.020	0.007	Within normal range.
Sediment Load	TSS mg/l	1.1	1.4	1.0	Within normal range.
	Turbidity ntu	2.35	3.68	1.02	Within normal range.
Biology	E.Coli /100ml	216	326	60	Within normal range.
	Benthic Macroinvertebrates and Diatoms: evaluations are provided in the introduction of this report				

Index scores* for South Boggy Creek Sites by Year

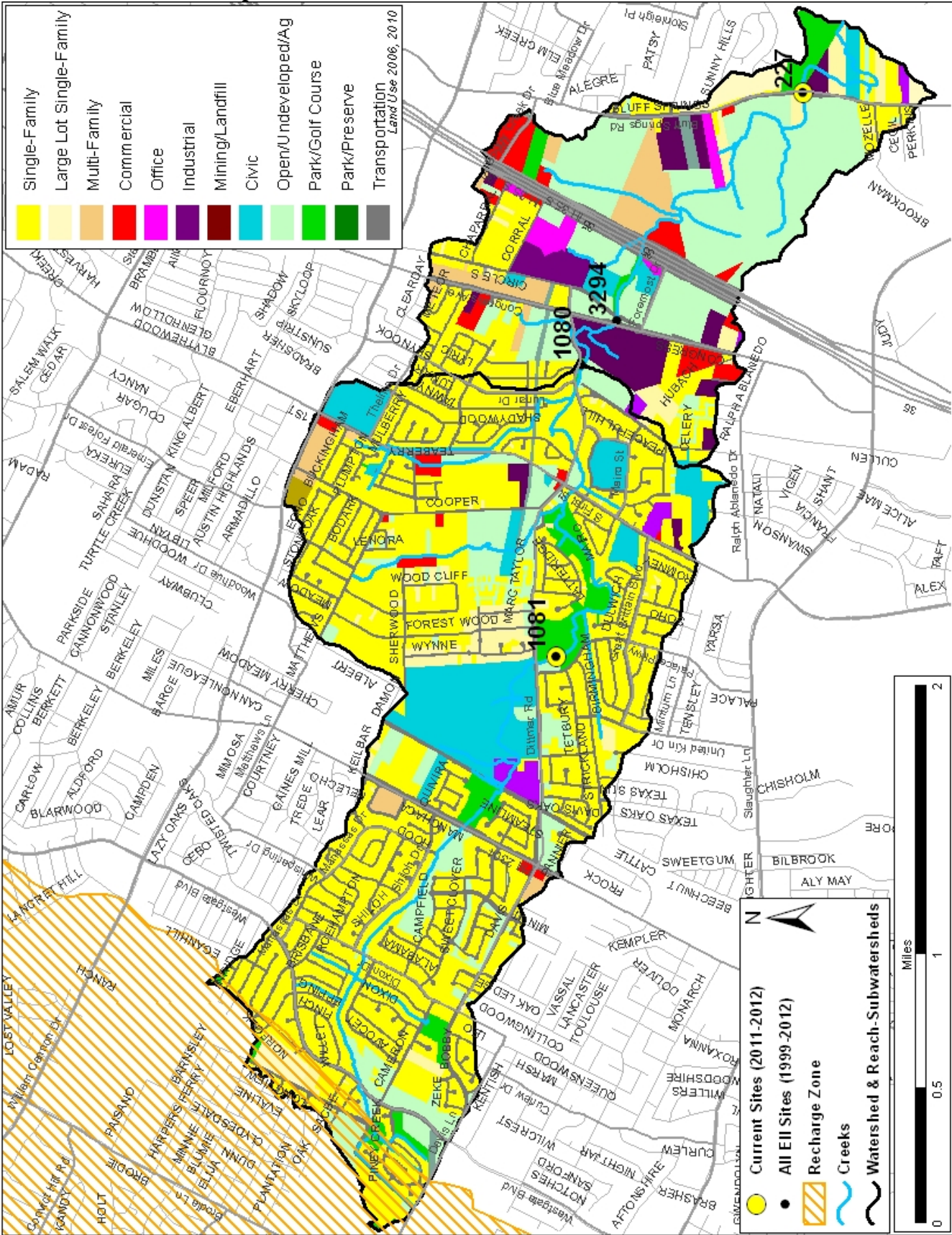
Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Rec.	Non-Contact Rec.	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	Total EII Score
SBG1	227	South Boggy Creek @ Bluff Springs Road (BO1)	1998	55	73	50	73	63	41	46	36	59
SBG2	1080	South Boggy Creek @ Loganberry Drive	1998	49	73	48	74	68	53	63	43	61
SBG2	1081	South Boggy Creek @ W. Dittmar Rd	1998	52	73	78	76	53	32	46	18	61
SBG1	227	South Boggy Creek @ Bluff Springs Road (BO1)	2001	66	92	78	83	56	37	45	28	66
SBG2	1080	South Boggy Creek @ Loganberry Drive	2001	42	92	42	87	73	32	45	18	58
SBG2	1081	South Boggy Creek @ W. Dittmar Rd	2001	53	92	88	83	61	39	30	48	66
SBG1	227	South Boggy Creek @ Bluff Springs Road (BO1)	2004	73	72	55	77	70	58	53	63	68
SBG1	3294	South Boggy @ Congress Ave	2004	61	72	36	67	61	59	31	87	59
SBG2	1081	South Boggy Creek @ W. Dittmar Rd	2004	45	72	38	73	57	48	27	68	56
SBG1	227	South Boggy Creek @ Bluff Springs Road (BO1)	2007	63	72	59	77	59	66	68	64	66
SBG2	1081	South Boggy Creek @ W. Dittmar Rd	2007	59	72	49	78	58	71	67	74	65
SBG1	227	South Boggy Creek @ Bluff Springs Road (BO1)	2010	73	77	57	82	80	70	69	70	73
SBG2	1081	South Boggy Creek @ W. Dittmar Rd	2010	67	77	58	88	51	67	68	66	68
SBG1	227	South Boggy Creek @ Bluff Springs Road (BO1)	2012	69	71	47	54	68	64	83	44	62
SBG2	1081	South Boggy Creek @ W. Dittmar Rd	2012	57	71	40	78	59	49	61	37	59

* blank cells indicate parameter was not collected, blank row indicate site was dropped

**sediment samples only collected at the downstream site

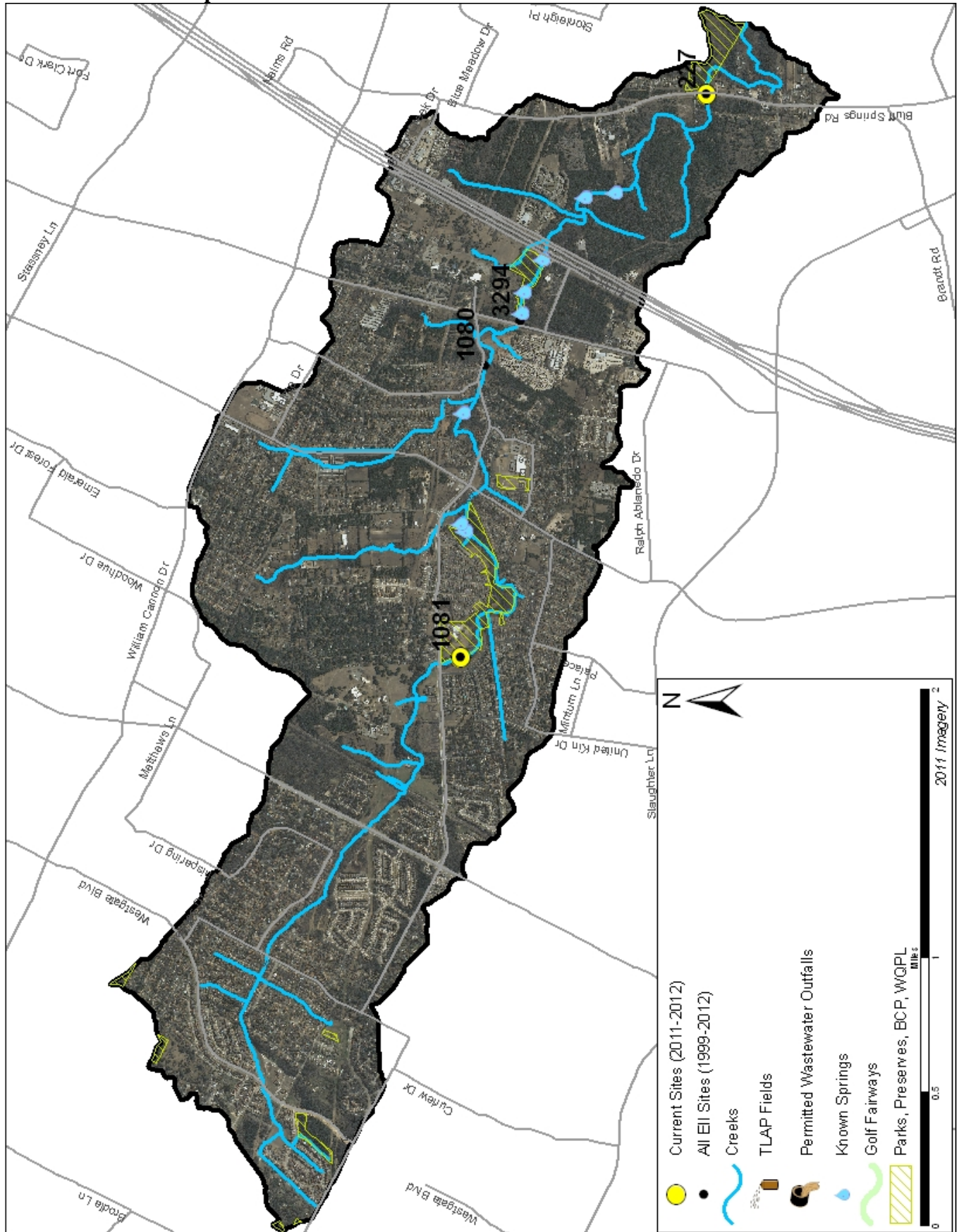
100-87.5 Excellent 87.5-75 V. Good 75-62.5 Good 62.5-50 Fair 50-37.5 Marginal 37.5-25 Poor 25-12.5 Bad 12.5-0 V. Bad

Land Use Map



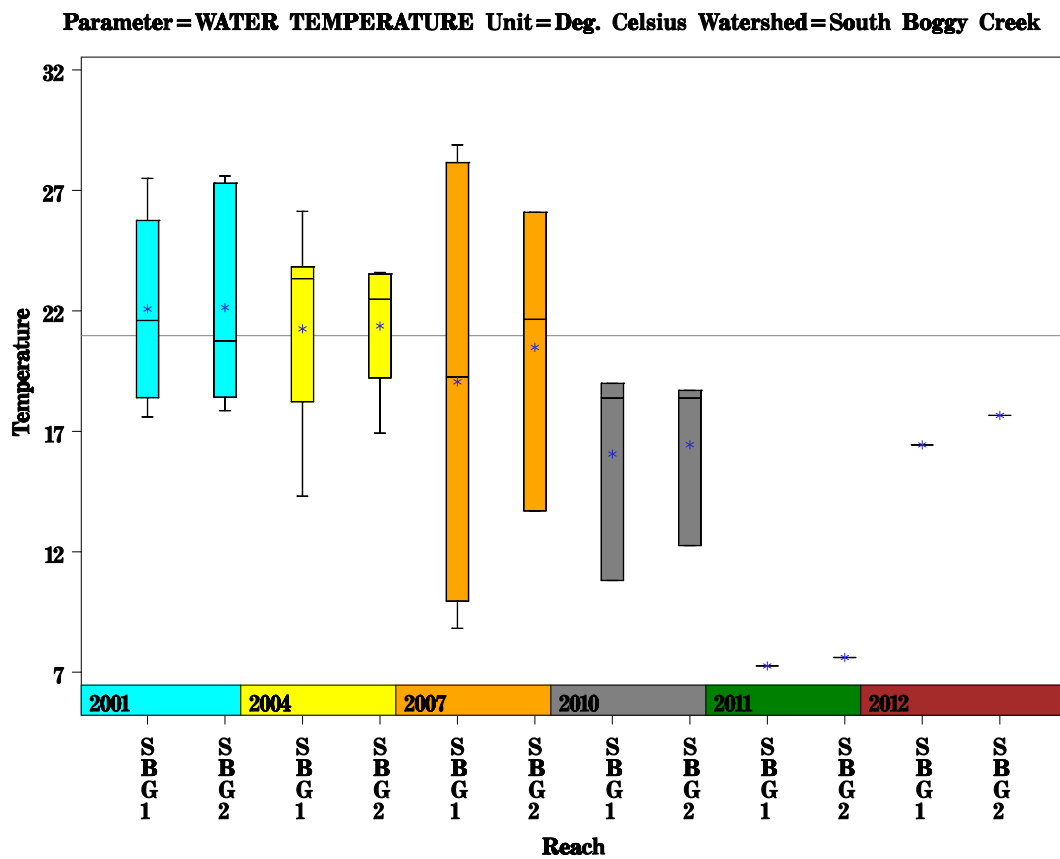
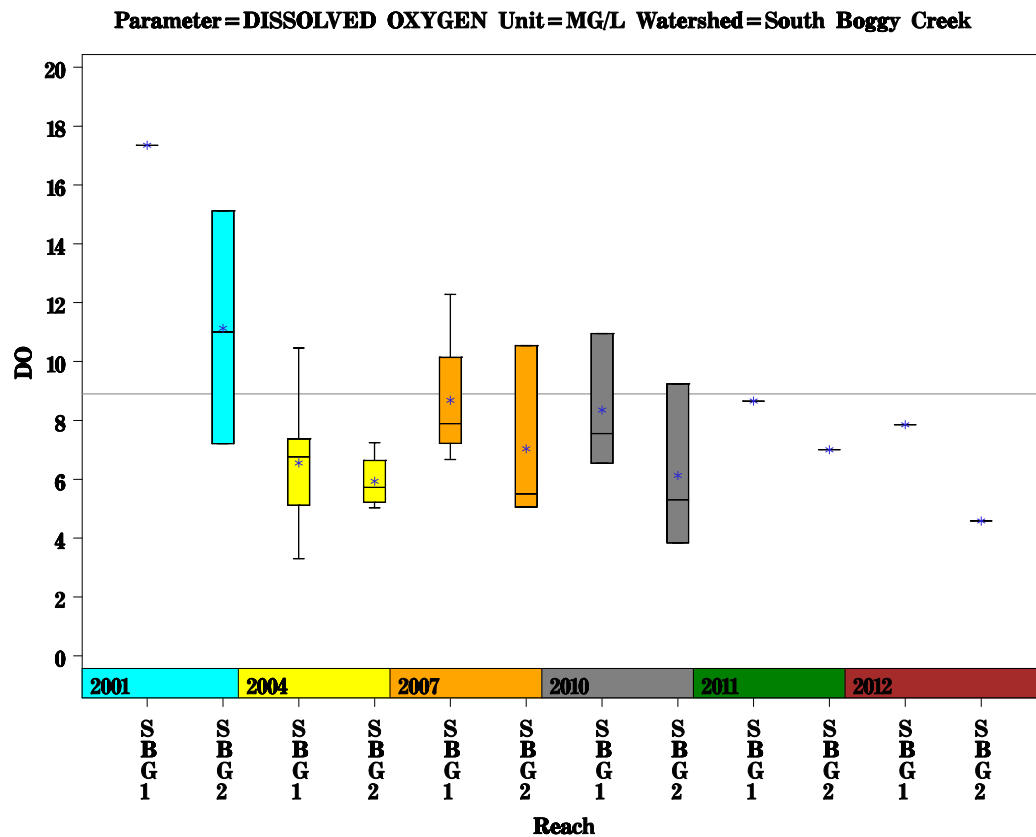
South Boggy Watershed

Aerial Map



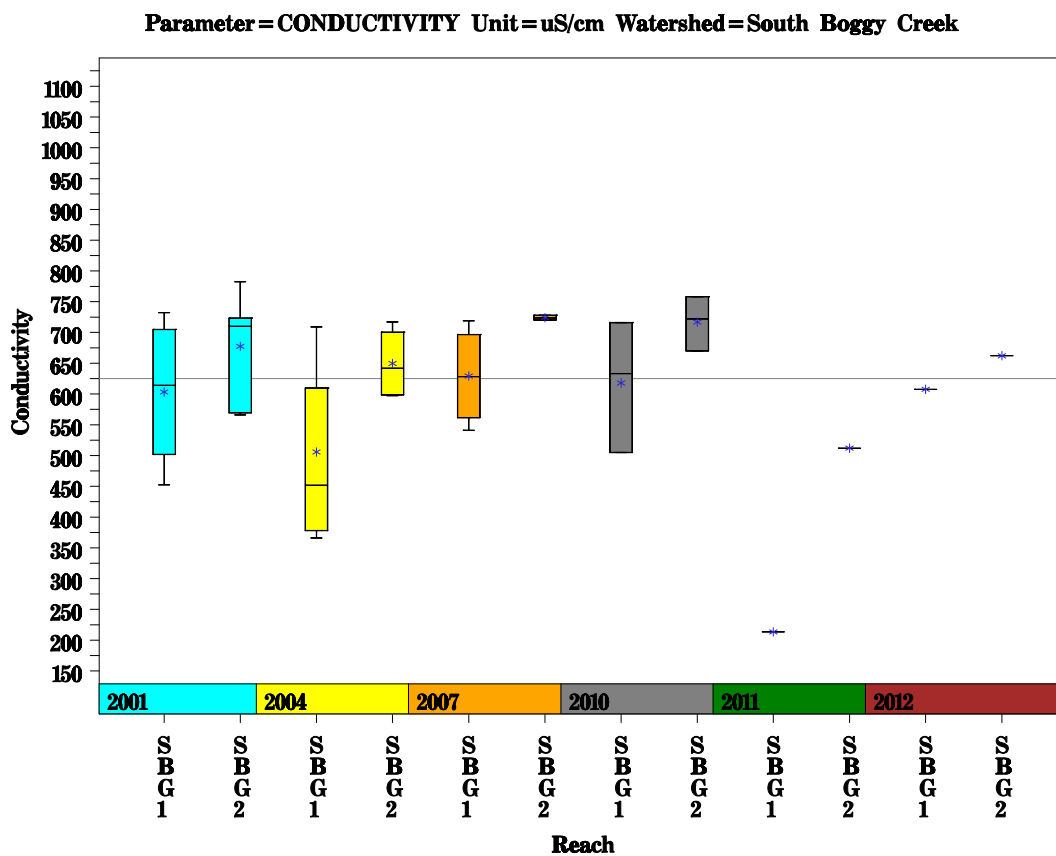
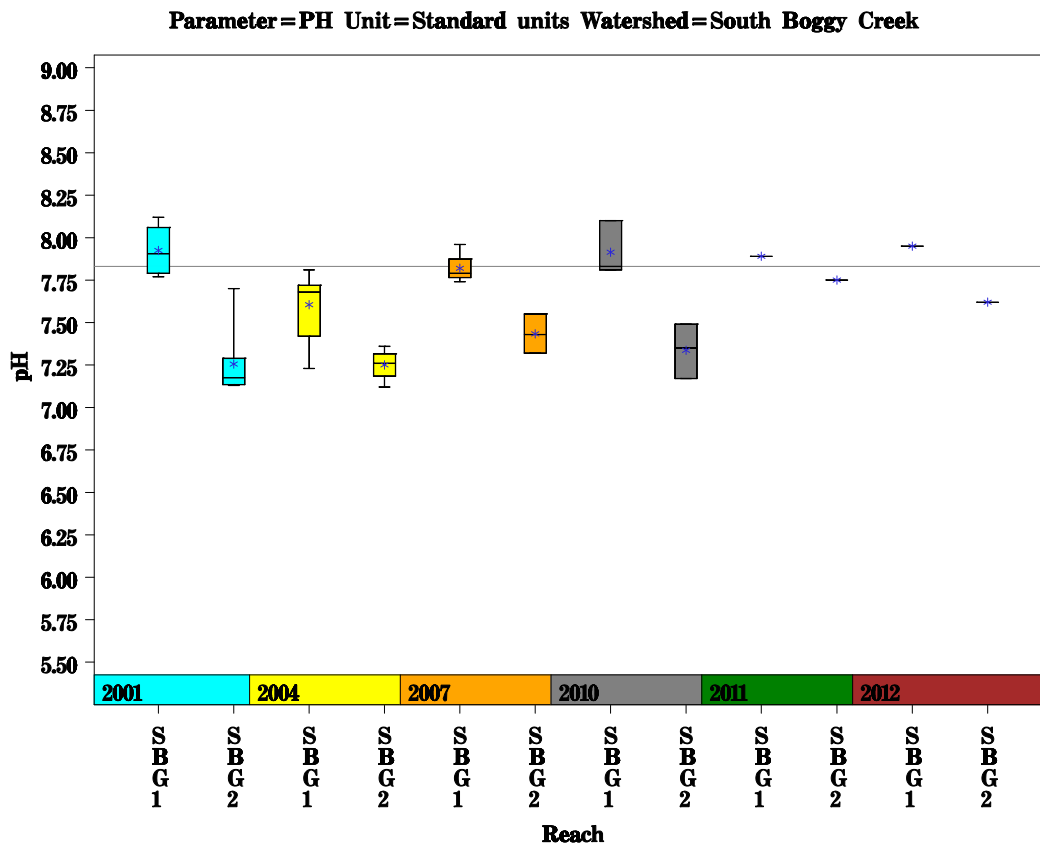
South Boggy Watershed

Data Summary Graphs – Dissolved Oxygen and Temperature (Downstream to Upstream by Year)



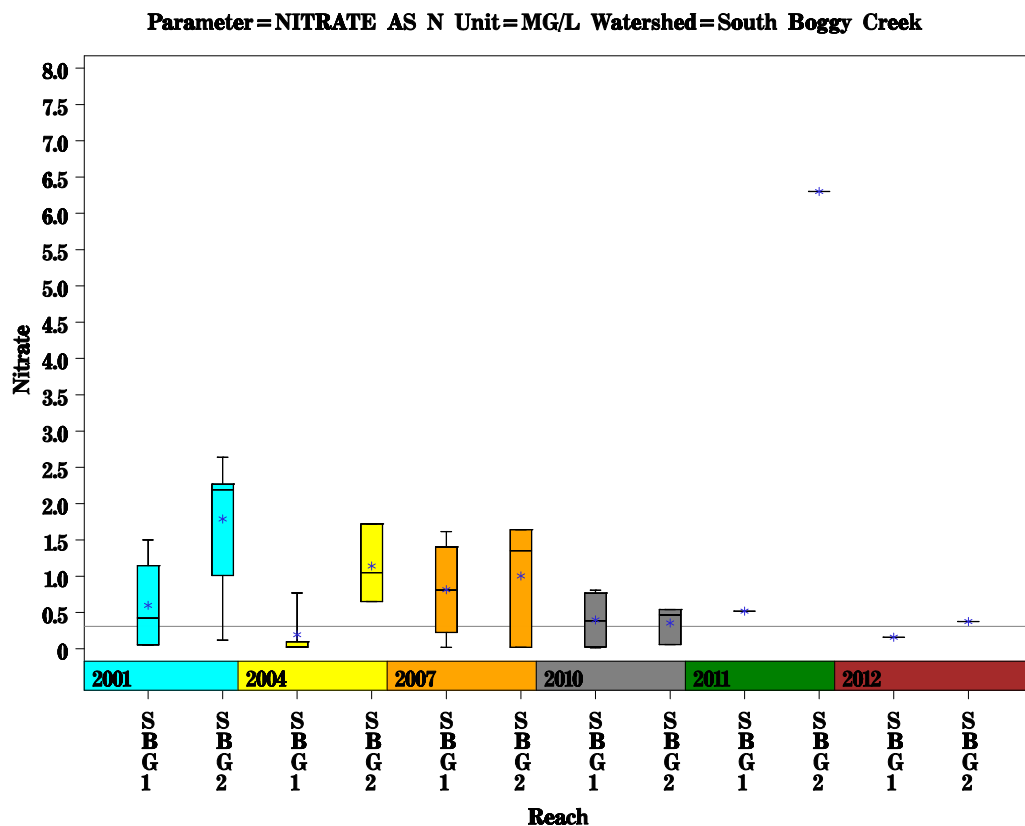
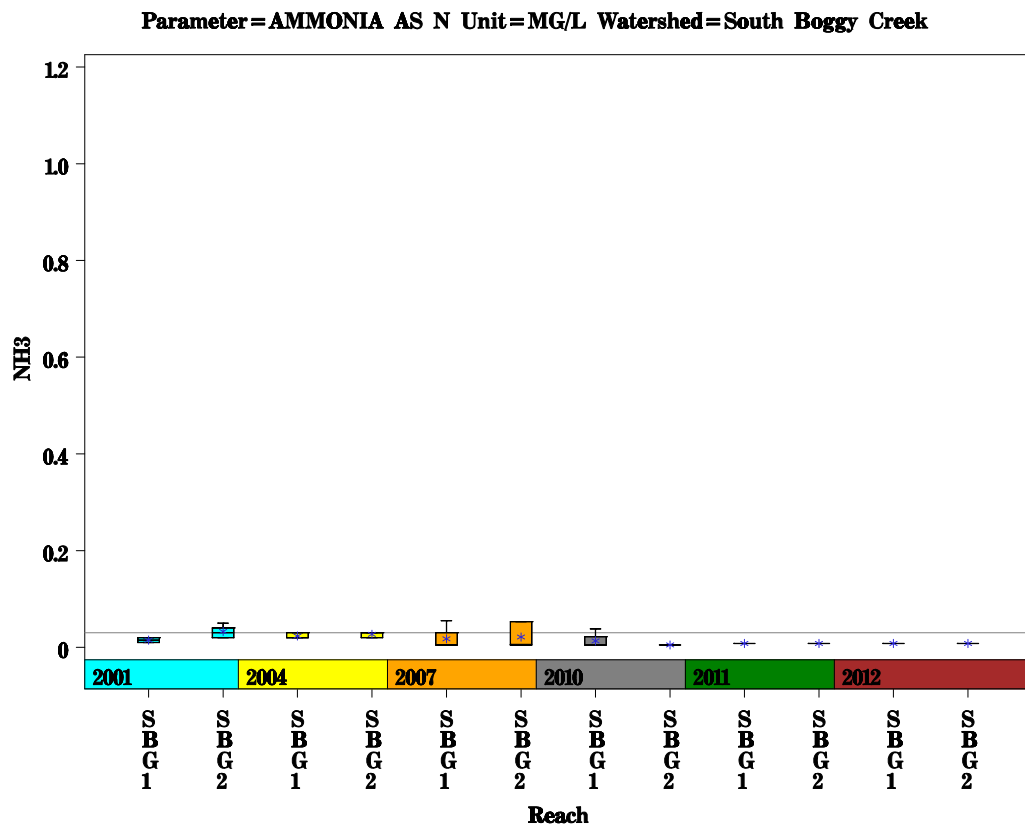
South Boggy Watershed

Data Summary Graphs – pH and Conductivity (Downstream to Upstream by Year)



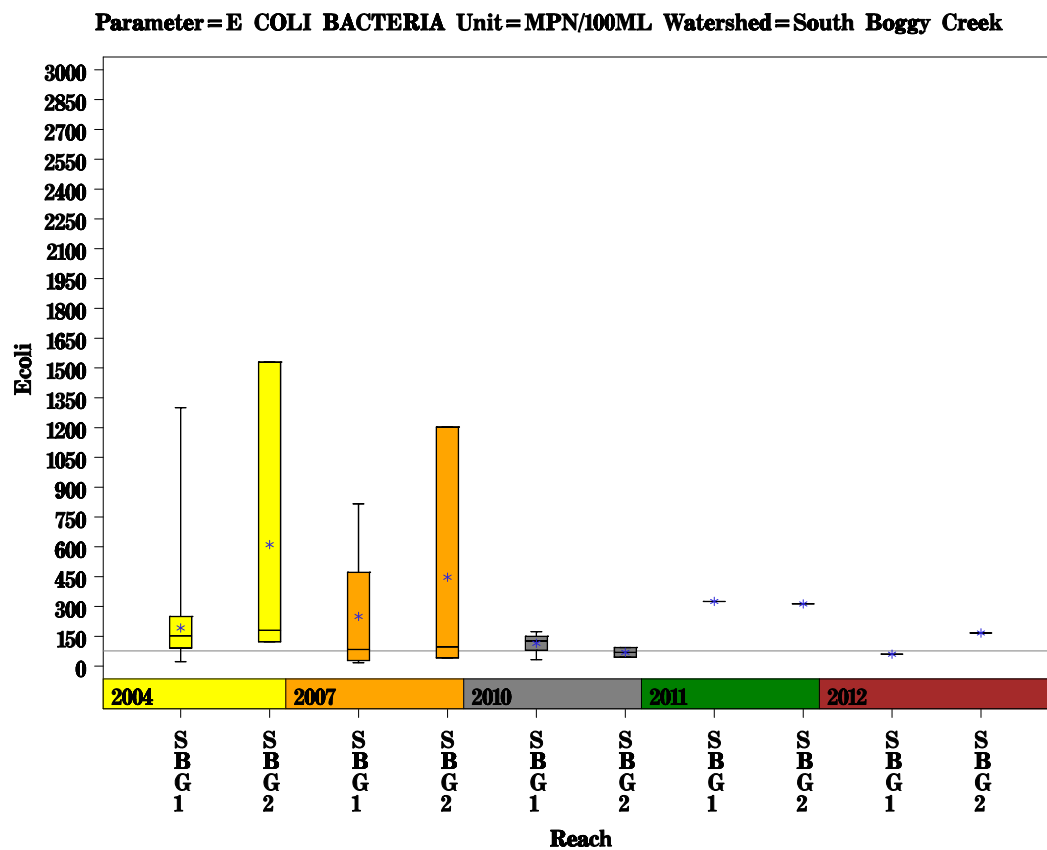
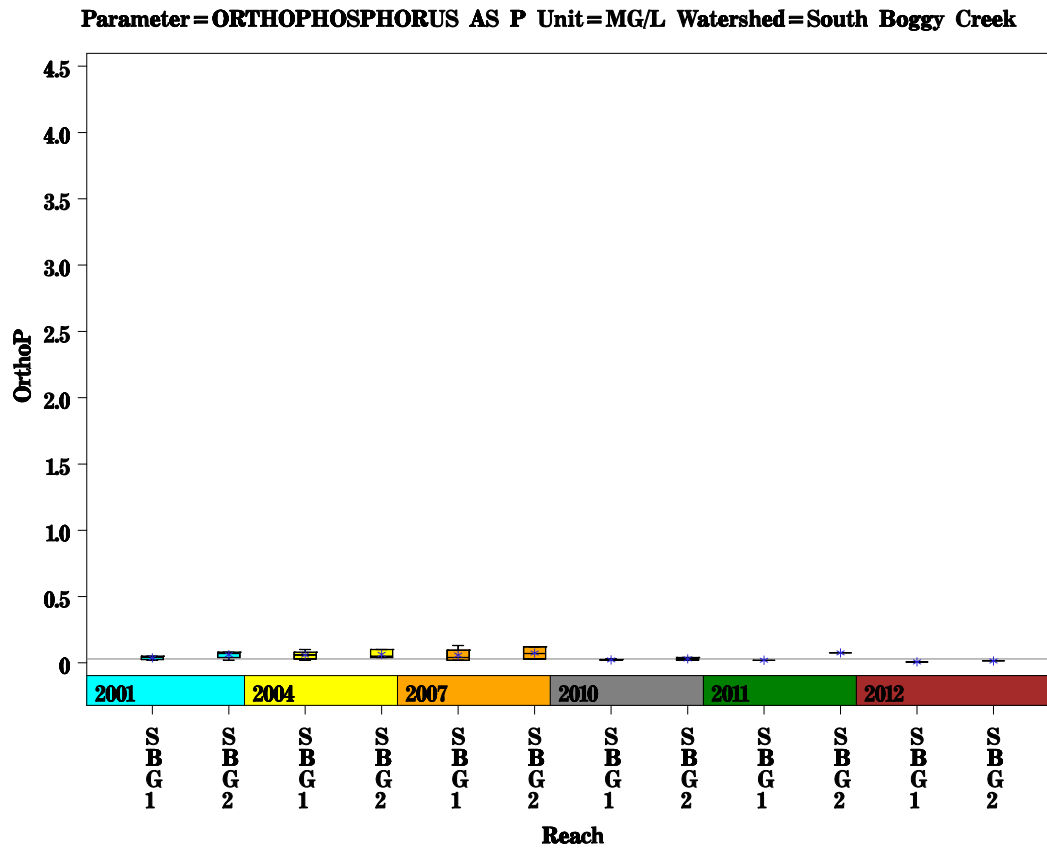
South Boggy Watershed

Data Summary Graphs – Ammonia and Nitrate/Nitrite (Downstream to Upstream by Year)



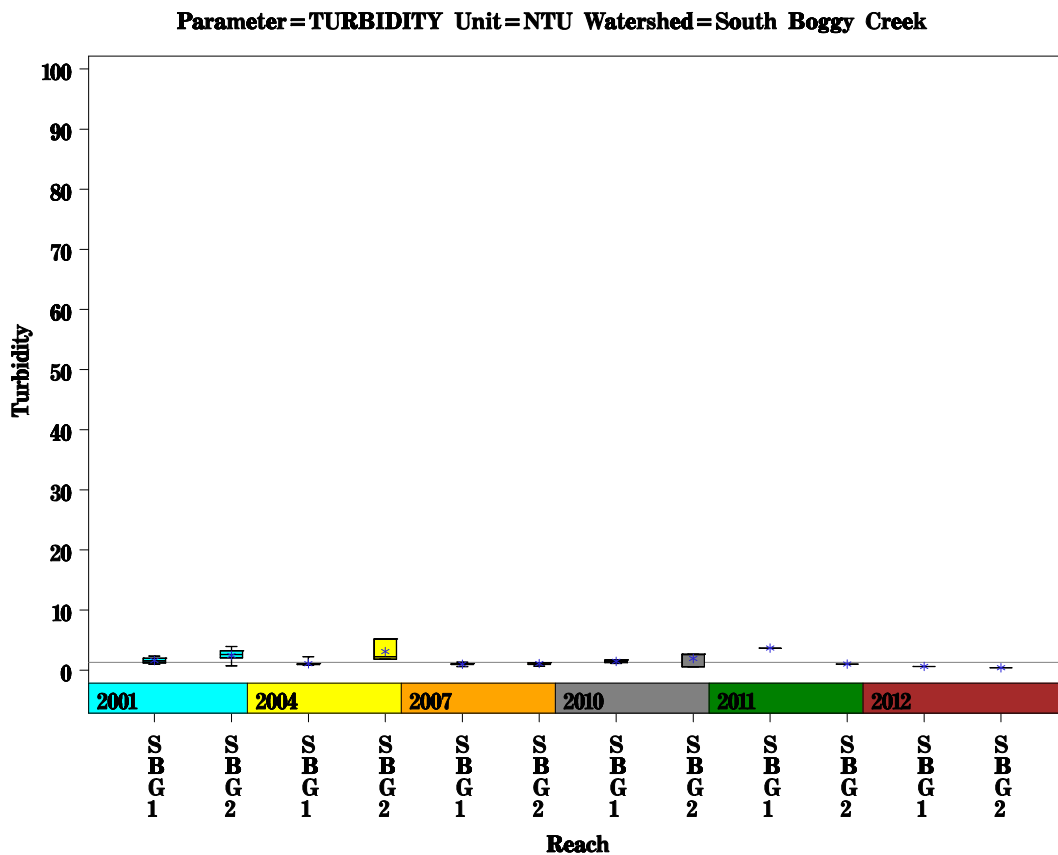
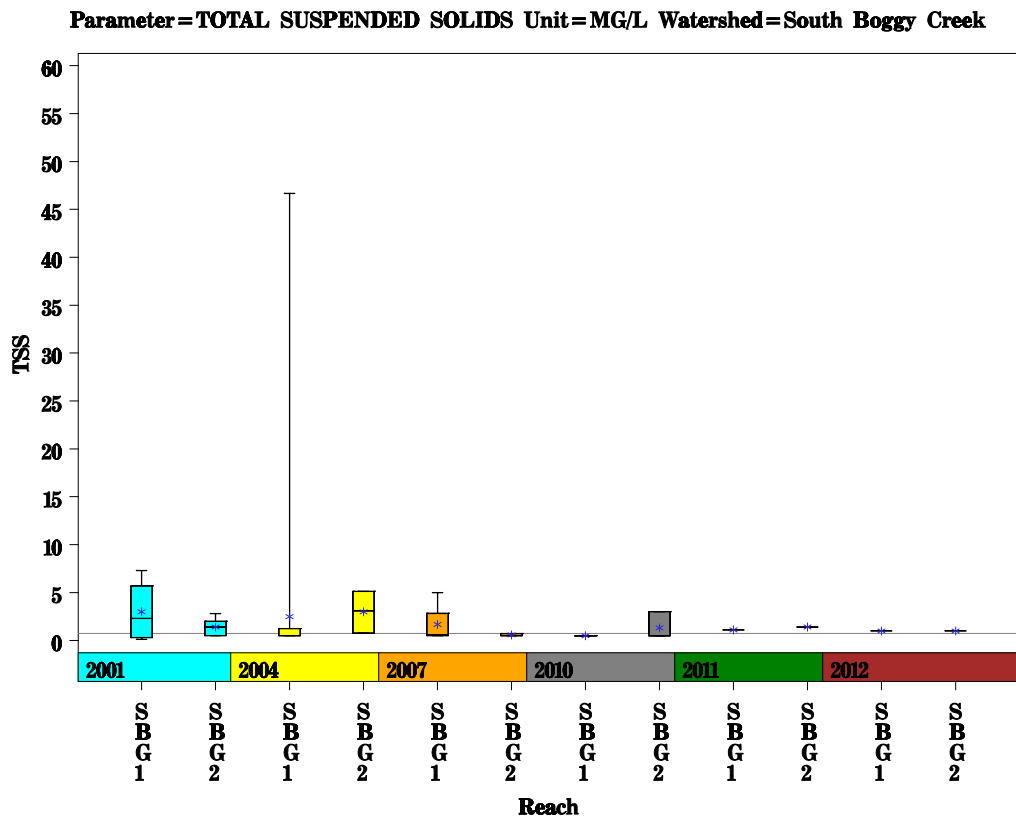
South Boggy Watershed

Data Summary Graphs – Orthophosphate and E.coli (Downstream to Upstream by Year)



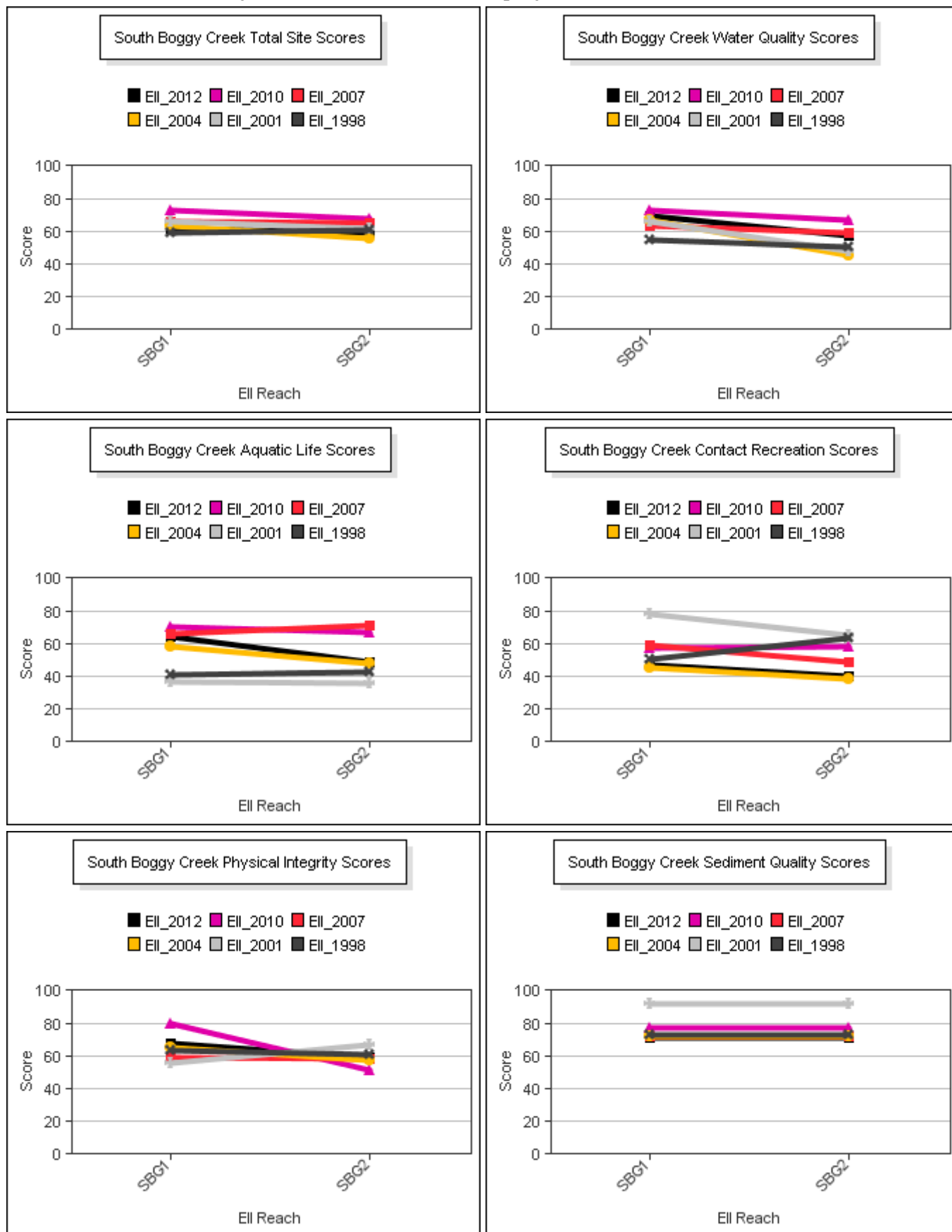
South Boggy Watershed

Data Summary Graphs – Total Suspended Solids and Turbidity (Downstream to Upstream by Year)



South Boggy Watershed

Score Summary – Reach scores for each sample year



South Boggy Watershed

Site Photographs



1081_t00-na2-05_18_2004



1081_t00-na1-05_18_2004



1081_ur_06_25_2007



1081_ds_06_25_2007



1081_00-ur-05_18_2010



1081_00-ds-05_18_2010

South Boggy Watershed

Site Photographs



3294_t00-ds-05_18_2004



3294_t00-us-05_18_2004



227_ds_06_29_2007



227_t00-ur-05_18_2004



227_00-ds-05_18_2010



227_00-us-05_18_2010

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