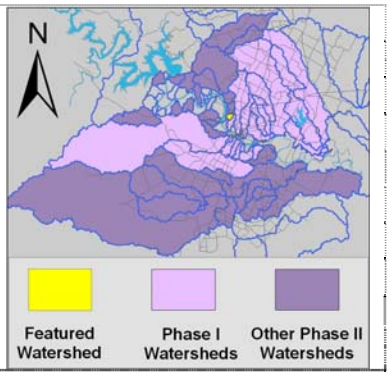
Taylor Slough South Watershed

Summary Sheet

Catchment	Total area	0.56 sq. miles			
	Area in recharge	0.56 sq. miles			
	Creek length	1 miles			
	Receiving water	Lake Austin			
Demographics	2000 population	1,653			
	2030 projected population	2,521			
	30 year projected % increase	153 %			
Land Use	Impervious cover (2003 estimate)	29.2%			
Overall EII Scores	2001	2004	2007	2010	2012
	60	56	60	60	59



Flow Regime* for Sample Sites on Taylor Slough South

Site #	Site Name	2001	2004						2007					2010				2011	2012	
		Mar	Mar	May	May	Jun	Oct	Dec	Feb	May	Jun	Sep	Dec	Mar	May	May	Oct	Dec	Mar	Apr
		Bio	WQ	WQ	Bio	WQ	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	WQ	Bio	WQ	WQ	WQ	Bio
318	Reed Park	B	B	B	B	B	B	B	B	B	S	B	B	B	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 Taylor Slough South Creek

Summary	Parameter	Mean	Max	Min	Comments
Physicochemical	**D.O.** mg/l	**8.0**	11.5	5.2	Mostly within normal range, some high values.
	pH st.units	**7.90**	8.14	7.78	Within normal range.
	Cond uS/cm	**797**	1091	642	Mostly within normal range, some high values.
Nutrients	**NH_3** mg/l	**0.009**	0.012	0.008	Consistently low.
	NO_3 mg/l	**2.47**	3.07	1.89	Some above average levels, but still within normal range.
	Ortho P mg/l	**0.022**	0.032	0.006	Within normal range.
Sediment Load	**TSS** mg/l	**1.1**	1.3	1.0	Within normal range.
	Turbidity ntu	**2.41**	6.08	0.32	Within normal range, above average value in July, 2012.
Biology	**E.Coli** /100ml	**351**	517	133	Within normal range.
	Benthic Macroinvertebrates and Diatoms: evaluations are provided in the introduction of this report				

Index scores* for Taylor Slough South by Year

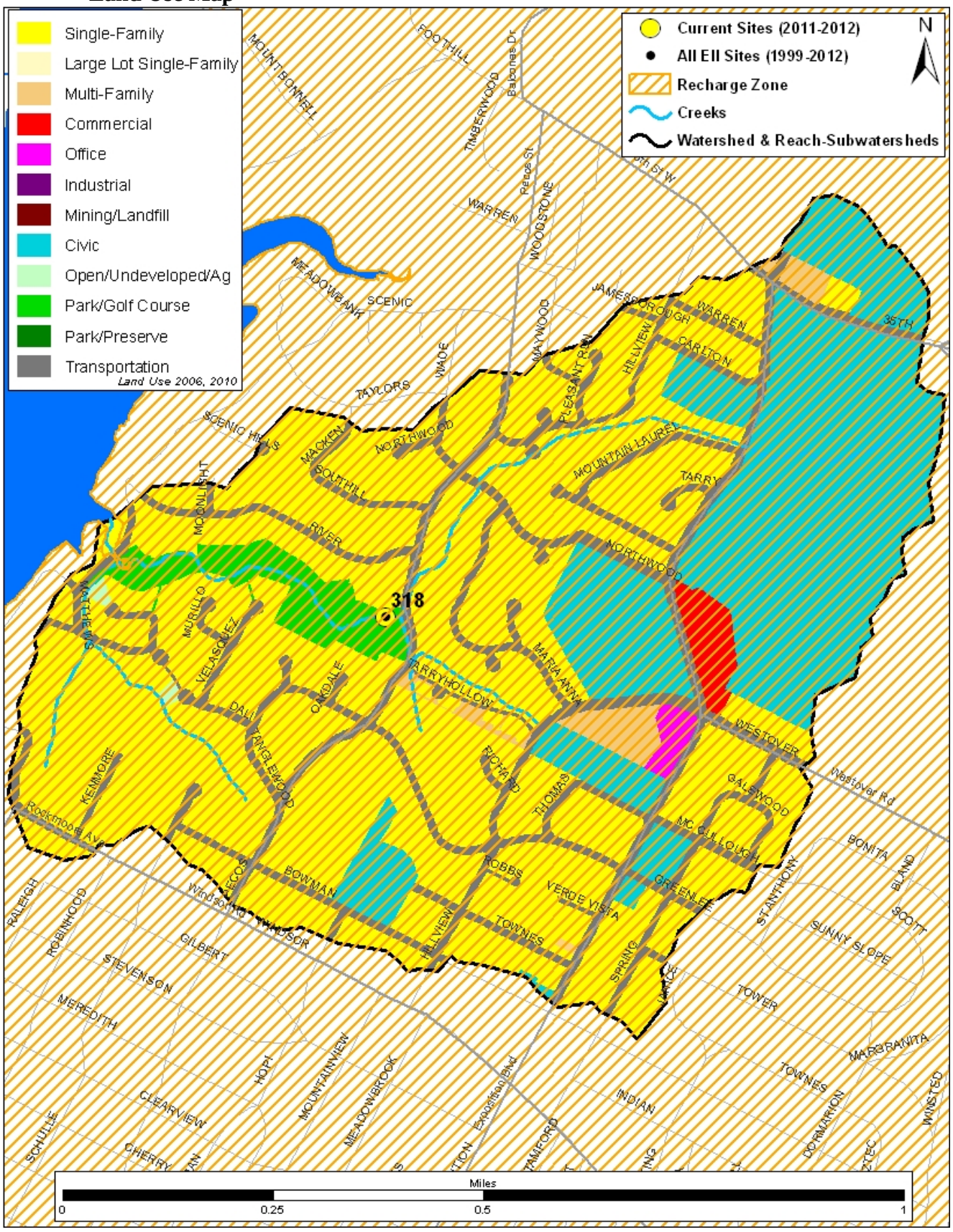
Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Rec.	Non-Contact Rec.	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	Total EII Score
TYS1	318	Taylor Slough South @ Reed Park (TSS)	1998	43	57	64	78	42	37	56	18	54
TYS1	318	Taylor Slough South @ Reed Park (TSS)	2001	55	66	55	80	64	37	42	32	57
TYS1	318	Taylor Slough South @ Reed Park (TSS)	2004	43	68	44	82	56	40	32	48	56
TYS1	318	Taylor Slough South @ Reed Park (TSS)	2007	55	60	52	81	62	50	49	51	60
TYS1	318	Taylor Slough South @ Reed Park (TSS)	2010	51	68	25	88	63	64	54	74	60
TYS1	318	Taylor Slough South @ Reed Park (TSS)	2012	51	65	34	78	57	68	69	67	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

Taylor Slough South Watershed

Land Use Map

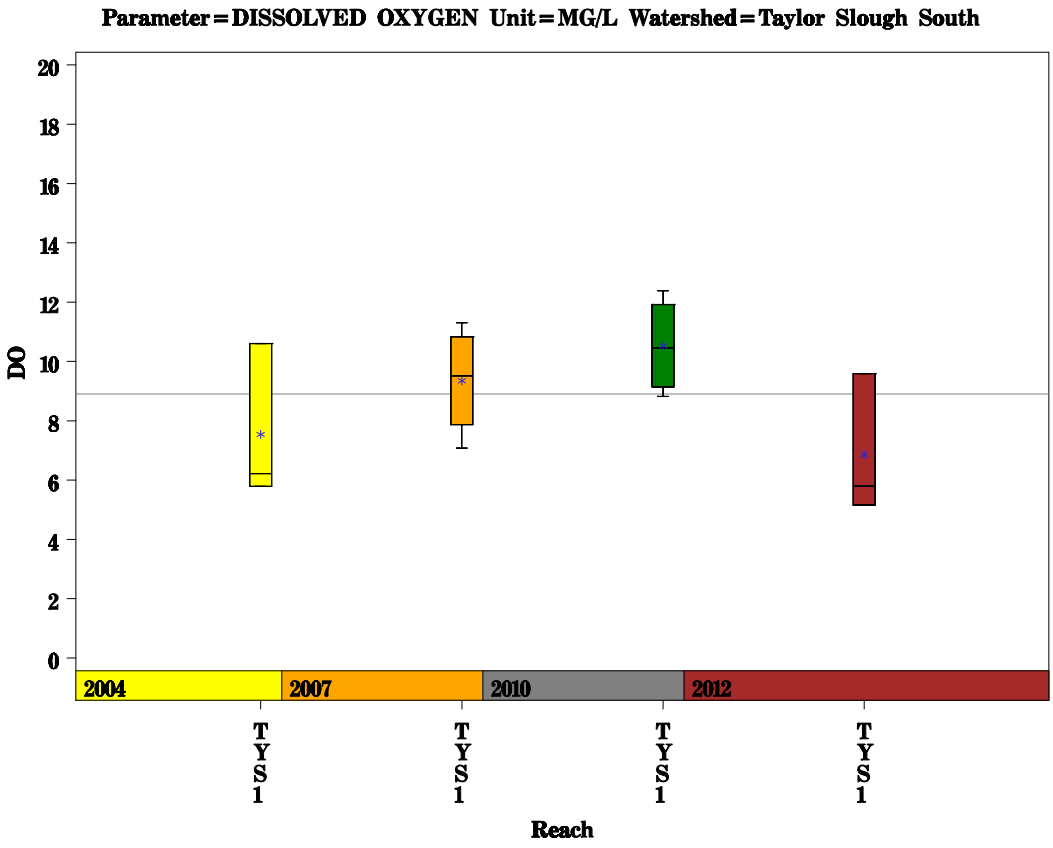


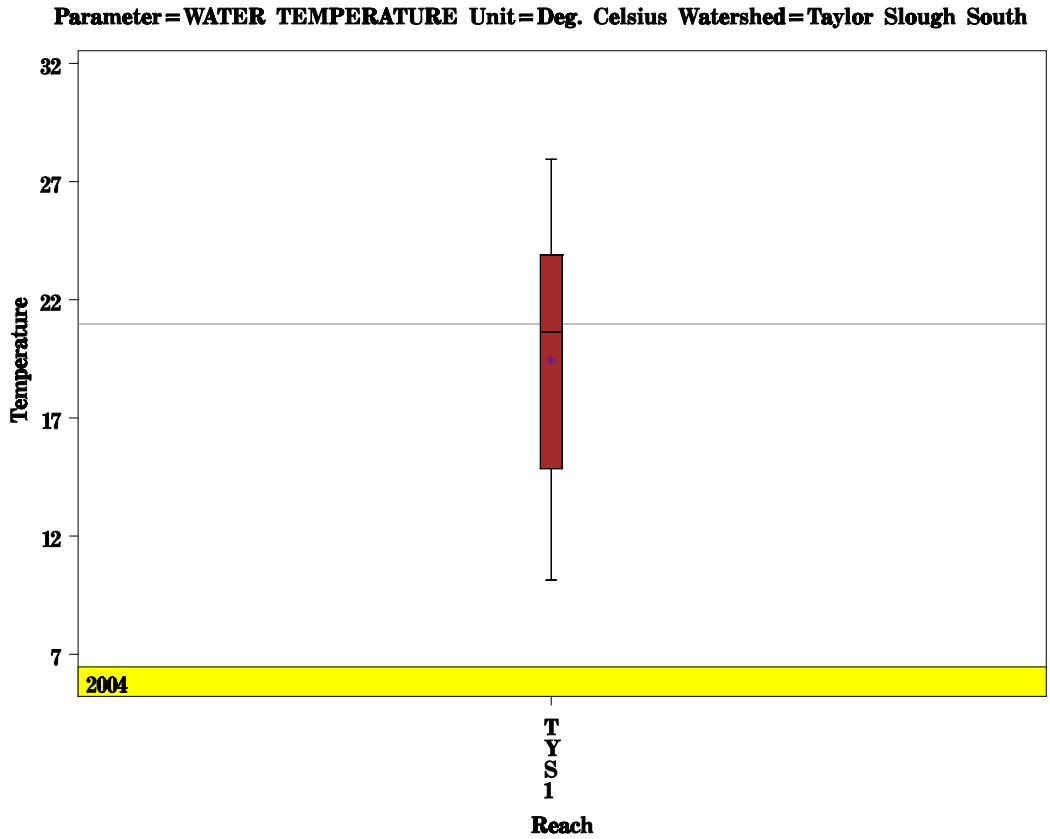
Taylor Slough South Watershed

Aerial Map

Taylor Slough South Watershed

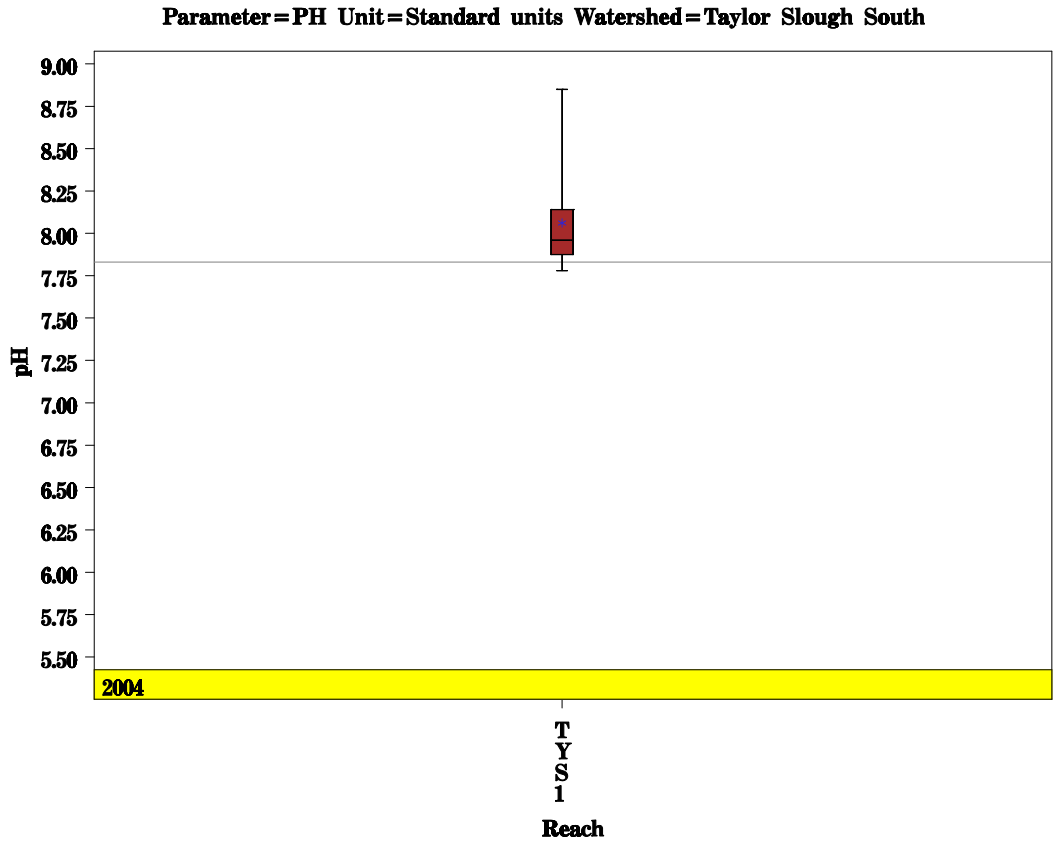
Data Summary Graphs – Dissolved Oxygen and Temperature (Downstream to Upstream by Year)

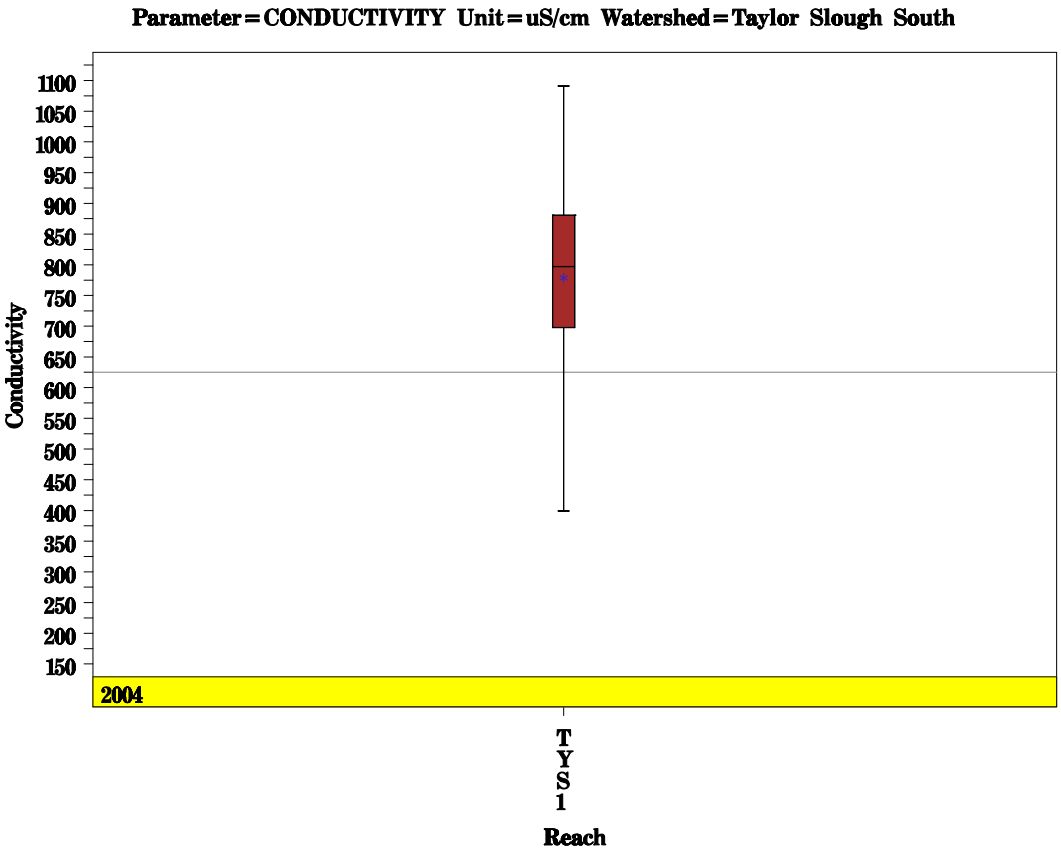




Taylor Slough South Watershed

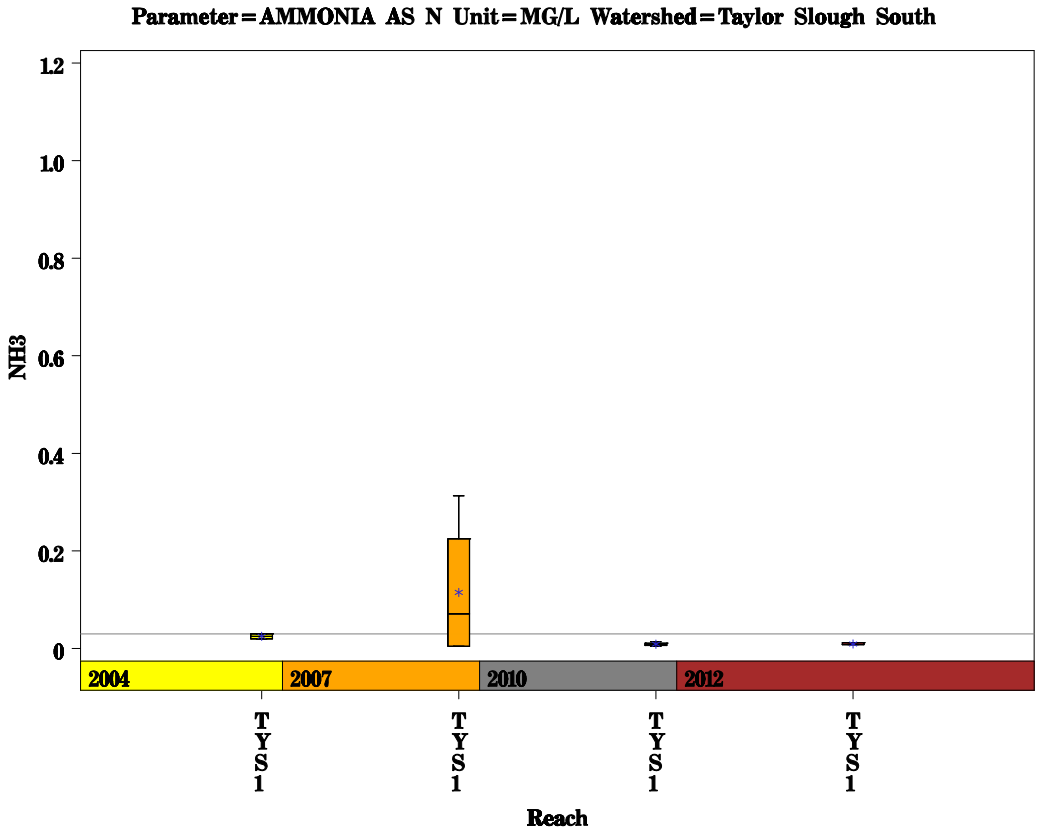
Data Summary Graphs – pH and Conductivity (Downstream to Upstream by Year)

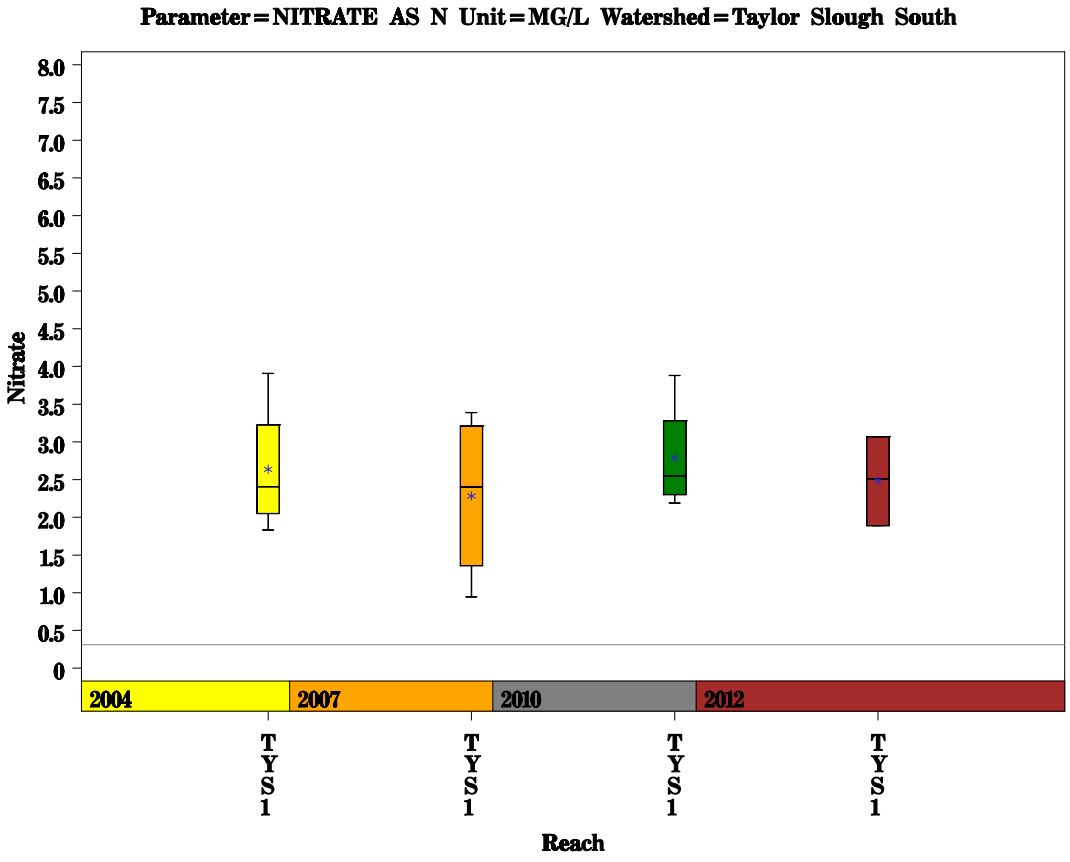




Taylor Slough South Watershed

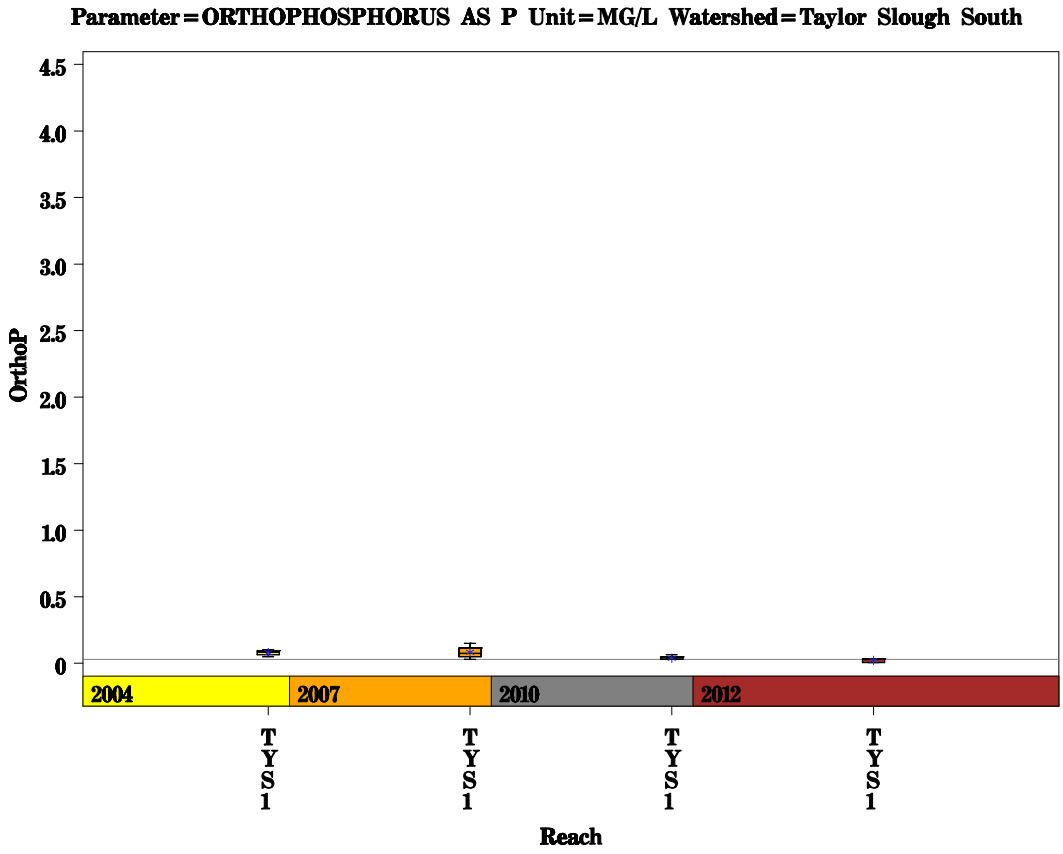
Data Summary Graphs – Ammonia and Nitrate/Nitrite (Downstream to Upstream by Year)

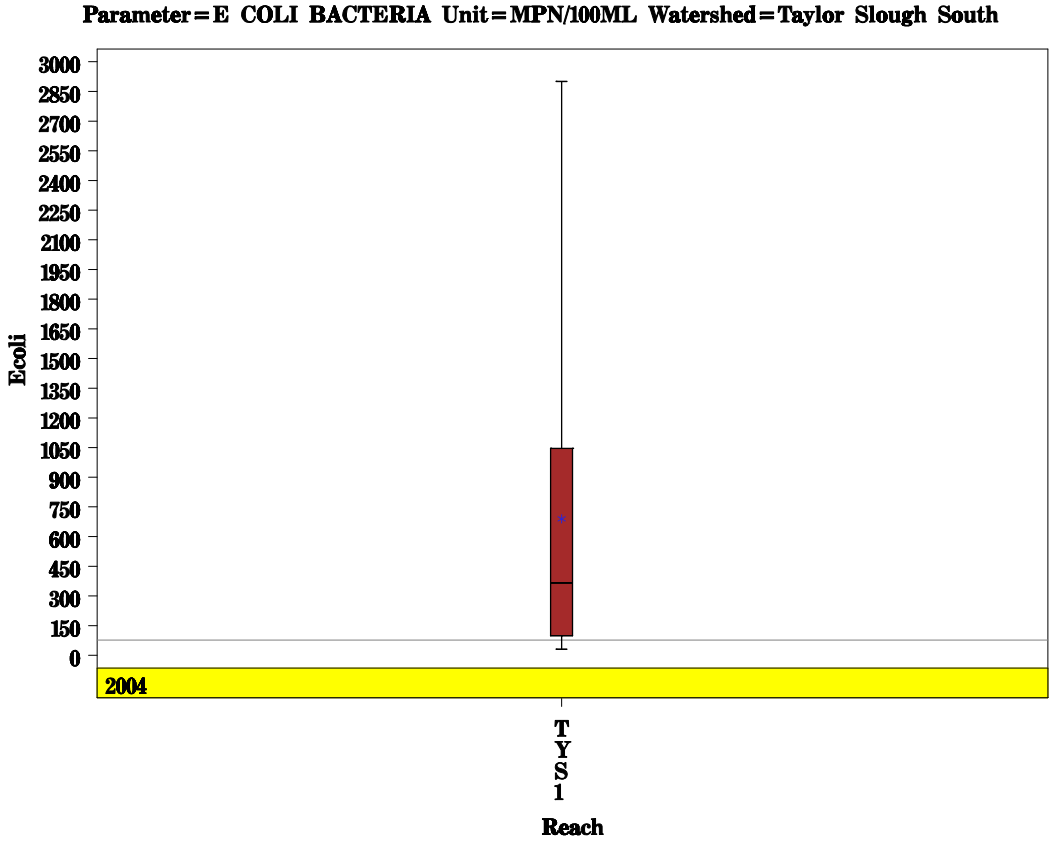




Taylor Slough South Watershed

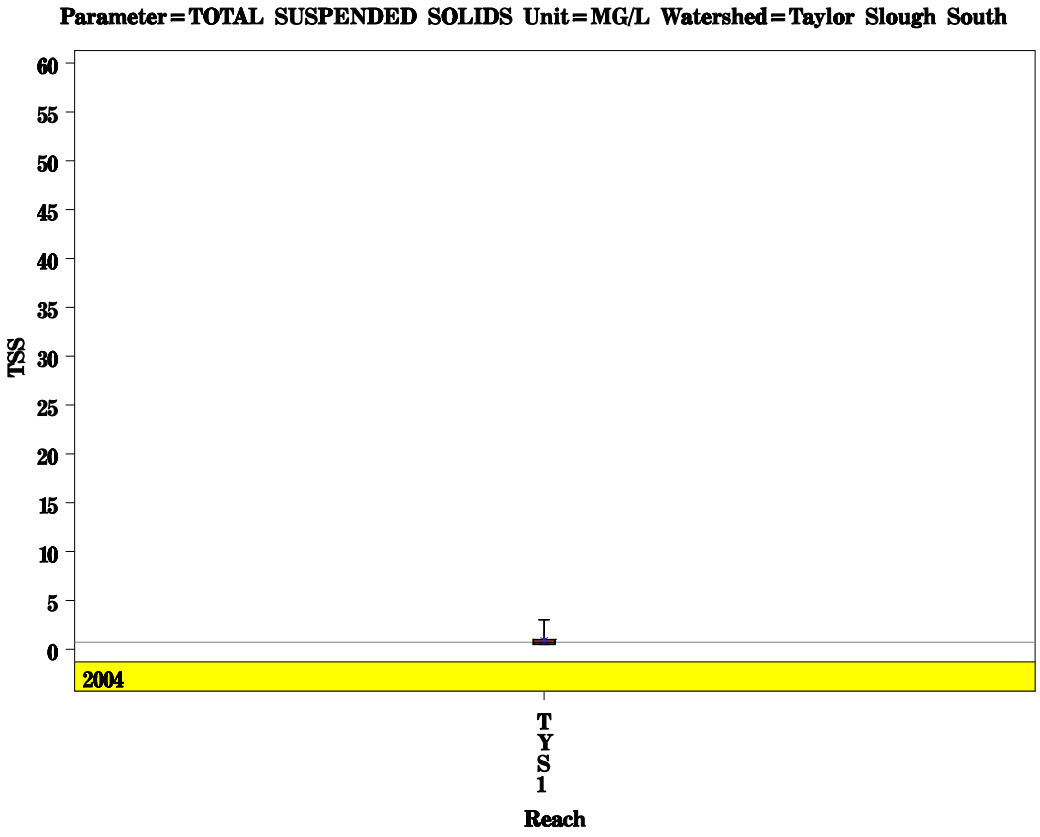
Data Summary Graphs – Orthophosphate and *E.coli* (Downstream to Upstream by Year)

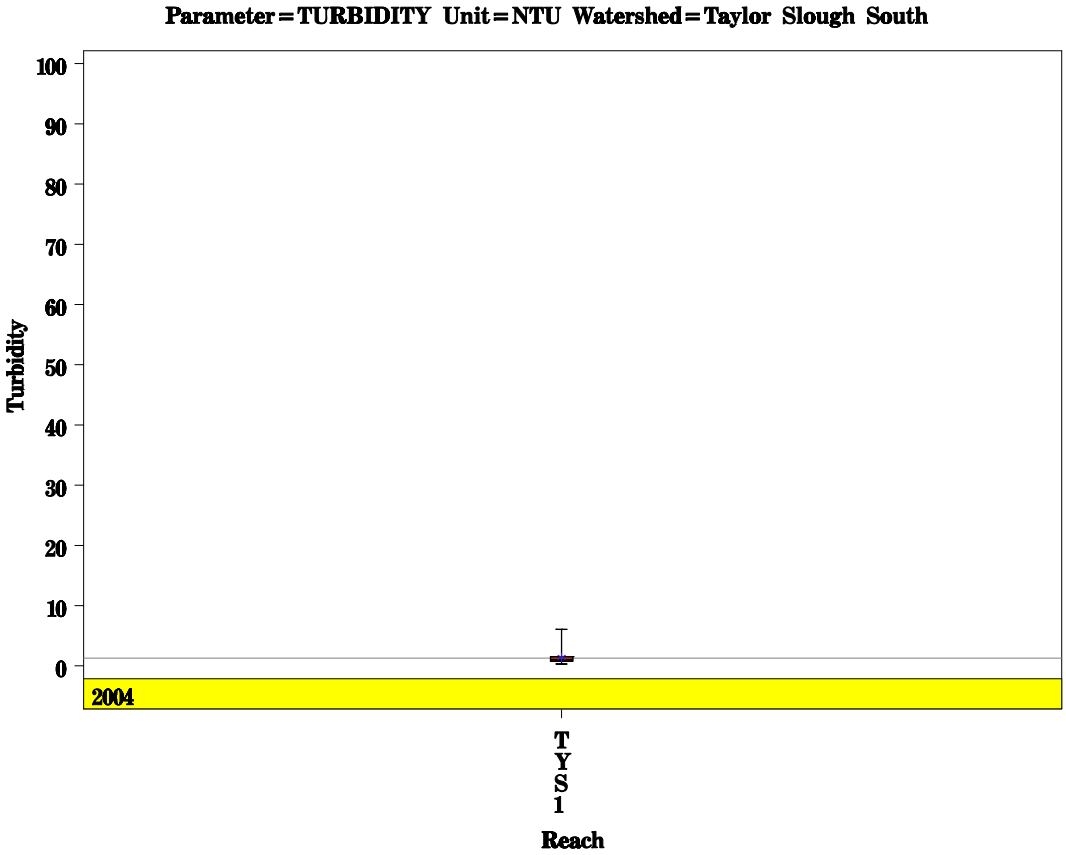




Taylor Slough South Watershed

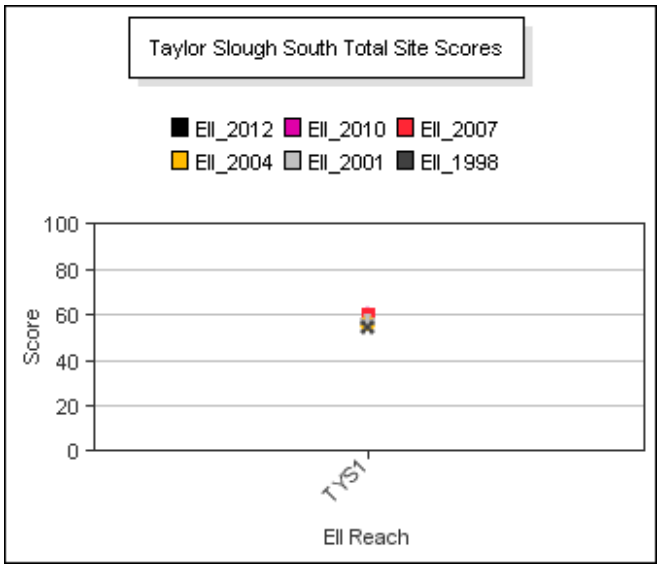
Data Summary Graphs – Total Suspended Solids and Turbidity (Downstream to Upstream by Year)

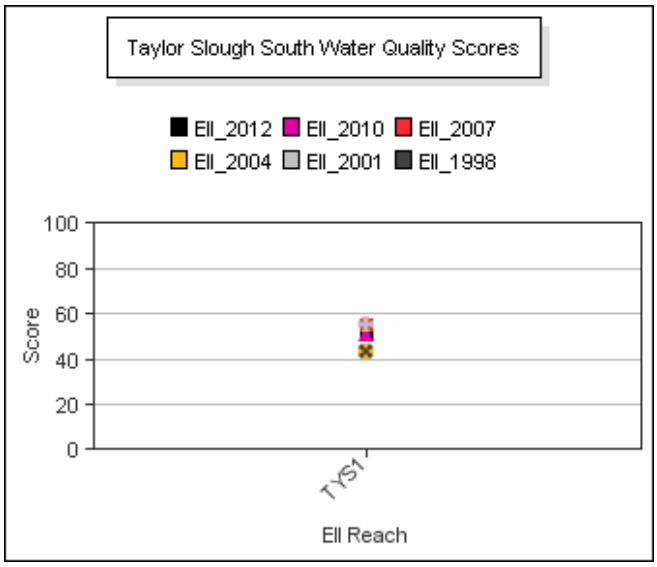


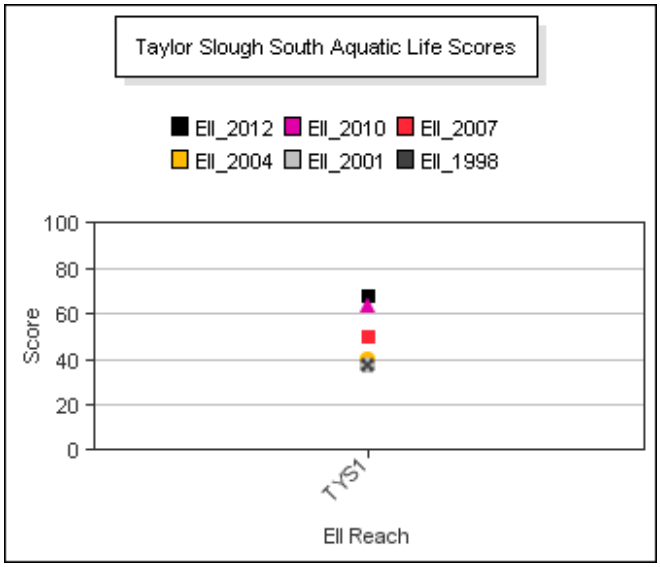


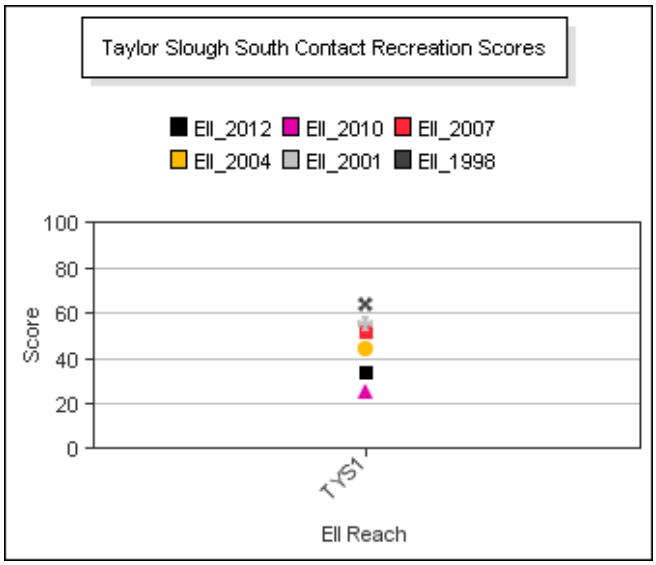
Taylor Slough South Watershed

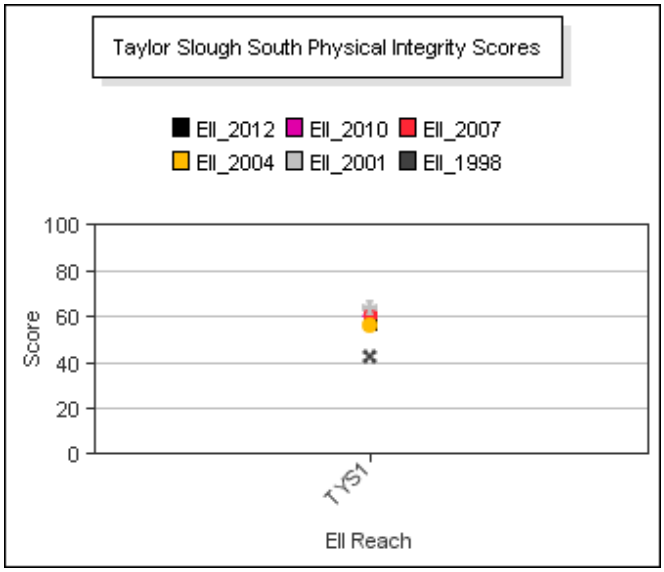
Score Summary – Reach scores for each sample year

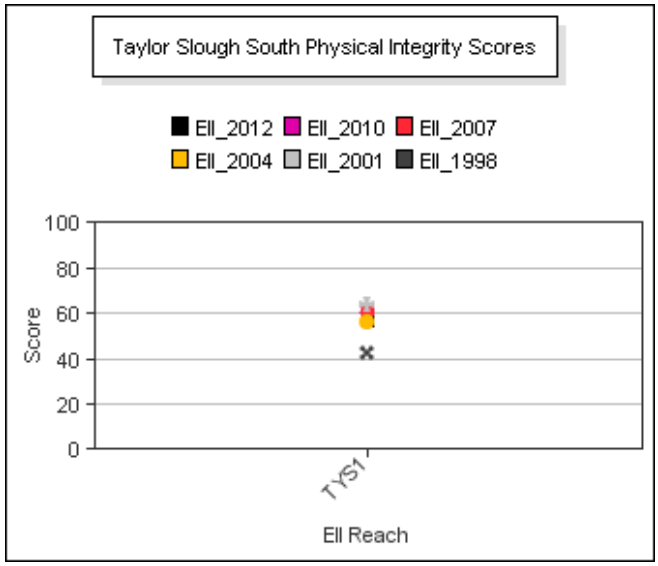












Taylor Slough South Watershed

Site Photographs

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318_t00-ur-05_17_2004

318_t00-us-05_17_2004

318_us_06_18_2007

318_ur_06_18_2007

Taylor Slough South Watershed

Site Photographs

318_00-us-05_27_2010

318_00-ur-05_27_2010

318_00-ds-05_27_2010

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