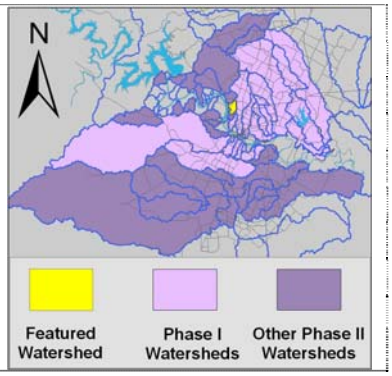
Taylor Slough North Watershed

Summary Sheet

Catchment	Total area	1.4 square miles		
	Area in recharge	1.1 square miles		
	Creek length	2 miles		
	Receiving water	Lake Austin		
Demographics	2000 population	2,219		
	2030 projected population	3,779		
	30 year projected % increase	70 %		
Land Use	Impervious cover (2003 estimate)	27.24 %		
Overall EII Scores	2001	2004	2007	2010
	61	61	62	69



Flow Regime* for Sample Sites on Taylor Slough North

Site # upstream to downstream	Site Name	2001				2004					2007					2010			
		Mar WQ	Jun WQ	Sep WQ	Dec WQ	Mar WQ	May Bio	Jun WQ	Oct WQ	Dec WQ	Feb WQ	May WQ	Jun Bio	Sep WQ	Dec WQ	Mar WQ	May WQ	May Bio	Sep WQ
177	at Pecos St	B	n	n	B	B	B	n	n	B									
1091	at Old Bull Creek Rd	B	B	B	B	B	B	B	n	B									
3969	at Mayfield Park										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 2010 Data for Taylor Slough North Creek

2010 Summary	Parameter	Mean	Max	Min	Discussion
Physicochemical	**D.O.** mg/l	7.8	11.2	5.8	Generally within normal range
	pH st.units	7.7	8.1	7.4	Generally within normal range
	Cond uS/cm	796	814	784	Generally above average but still within normal range
Nutrients	**NH_3** mg/l	0.01	0.01	0.01	Generally within normal range with some high values in previous years
	NO_3 mg/l	0.21	0.56	0.04	Generally within normal range
	Ortho P mg/l	0.02	0.03	0.02	Consistently low to within normal range
Sediment Load	**TSS** mg/l	3.9	10.7	0.5	Generally within normal range with some high values in previous years
	Turbidity ntu	1.7	2.4	1.0	Generally within normal range with some high values in previous years
Biology	**E.Coli** /100ml	142	248	53	Generally above average concentrations, but none very high
	Benthic Macs	Generally average metric scores. Moderately good diversity, but few pollution-intolerant taxa			
	Diatoms	Low diversity and Cymbella richness, but above average pollution tolerance index and low % motile taxa.			

Index scores* for Taylor Slough North Sites by Year

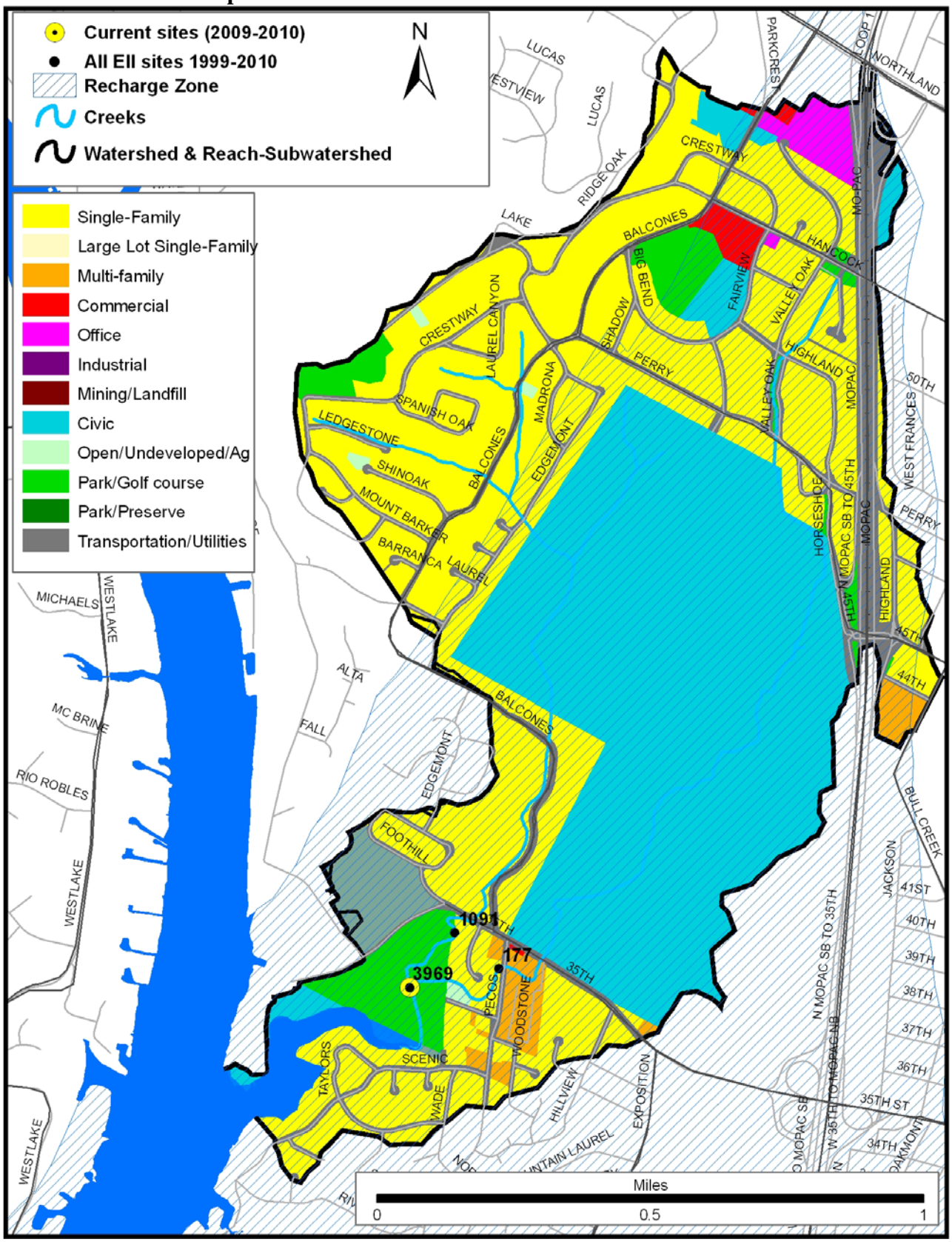
Reach	Site	Site Name	Year	Water Quality	Sediment**	Contact Rec	Non Contact Rec	Physical Integrity	Aquatic Life	Benthic subindex	Diatom subindex	**Total Site Score**
TSN1	177	Taylor Slough N. @ Pecos St (TSN)	1998	57	52	86	73	48	32	38	25	58
TSN1	1091	Taylor Slough N. @ Old Bull Creek Rd	1998	61	52	88	67	58	42	34	50	61
TSN1	177	Taylor Slough N. @ Pecos St (TSN)	2001	68	49	65	84	70	32	45	19	57
TSN1	1091	Taylor Slough N. @ Old Bull Creek Rd	2001	50	49	75	63	64	63	48	77	57
TSN1	177	Taylor Slough N. @ Pecos St (TSN)	2004	62	60	43	78	76	62	44	79	64
TSN1	1091	Taylor Slough N. @ Old Bull Creek Rd	2004	60	60	36	78	60	49	32	66	57
TSN1	3969	Taylor Slough N. @ Mayfield Park	2007	53	61	37	89	71	60	43	77	62
TSN1	3969	Taylor Slough N. @ Mayfield Park	2010	63	62	53	93	72	73	64	82	69

* 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

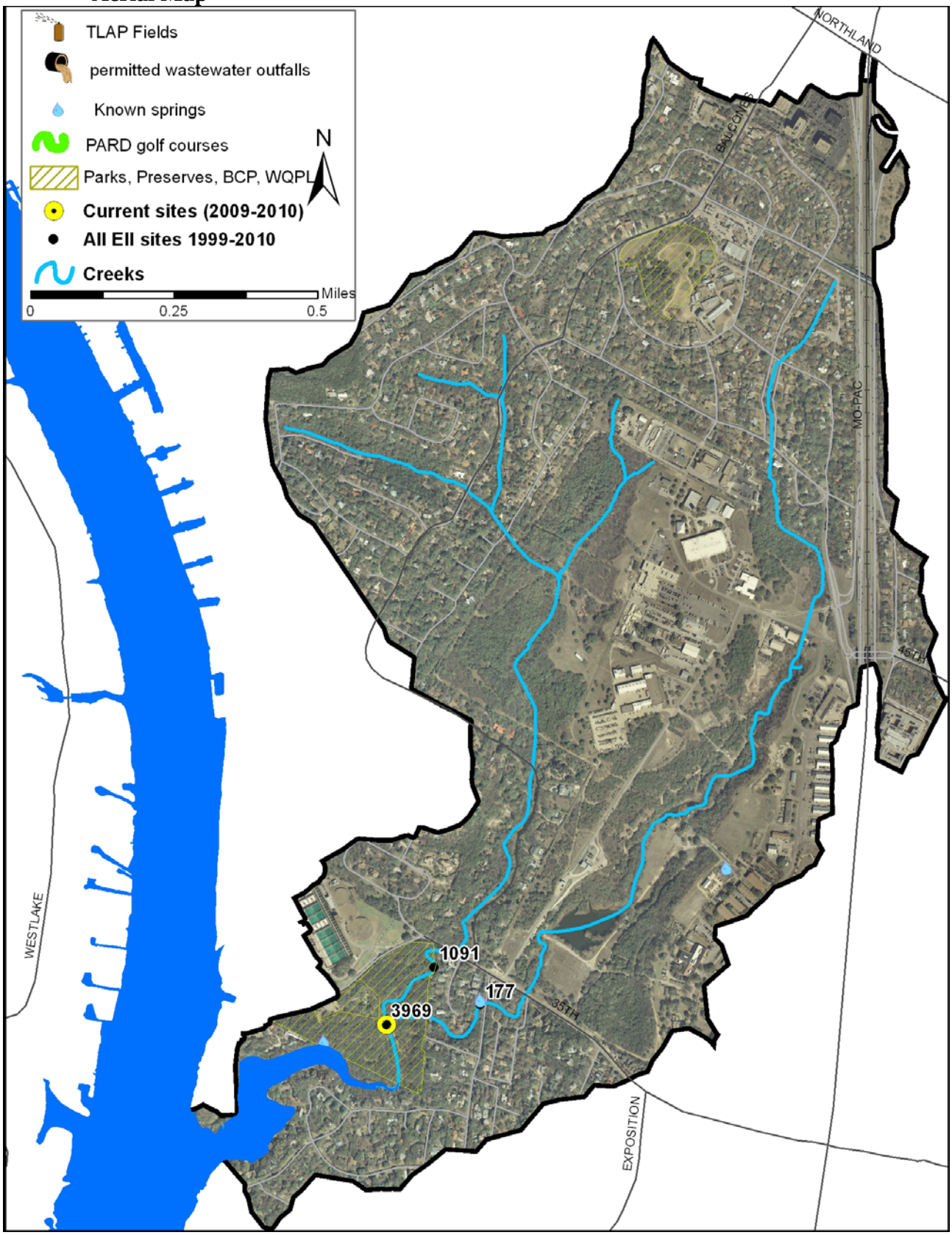
Taylor Slough North Watershed

Land Use Map



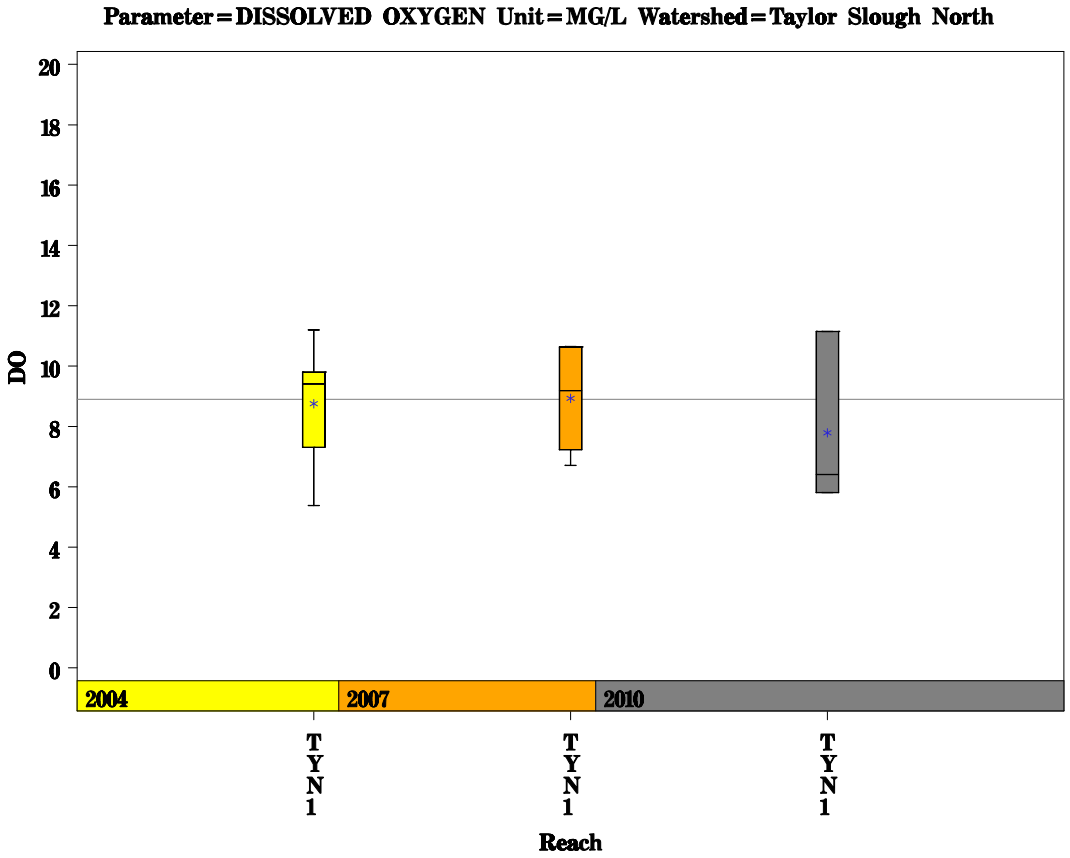
Taylor Slough North Watershed

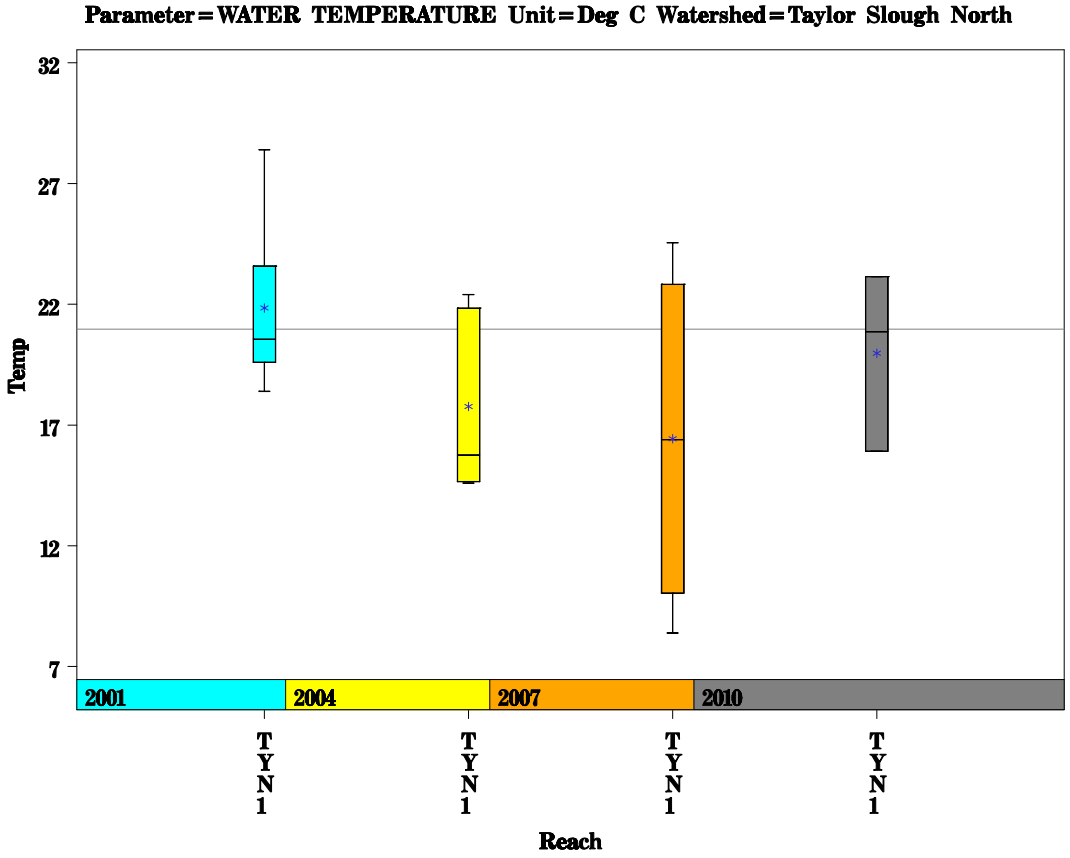
Aerial Map



Taylor Slough North Watershed

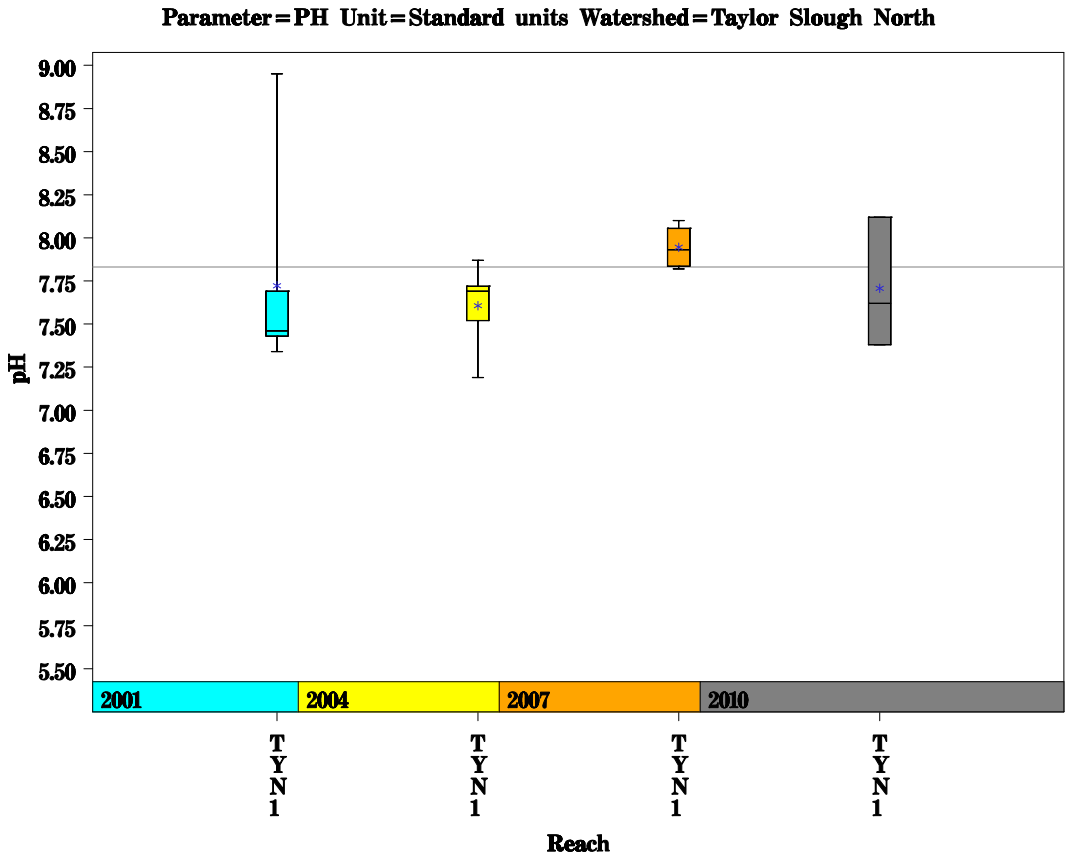
Data Summary Graphs – Dissolved Oxygen and Temperature (Downstream to Upstream by Year)

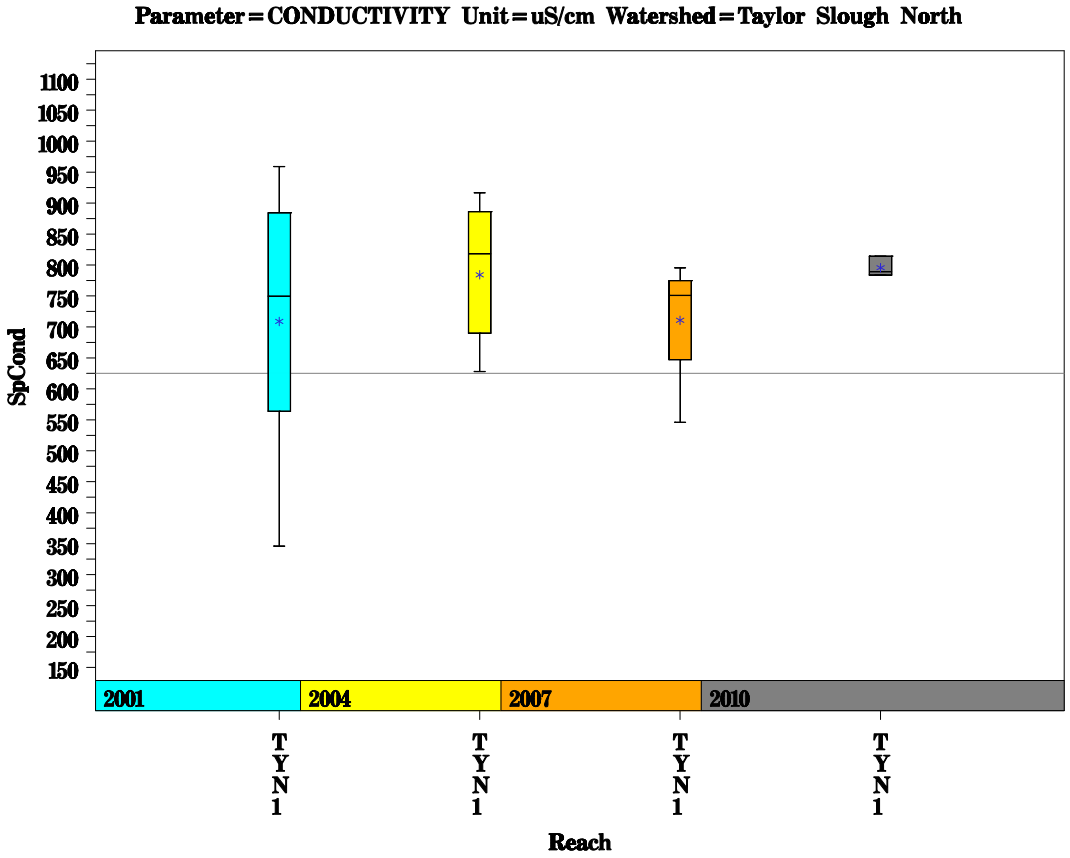




Taylor Slough North Watershed

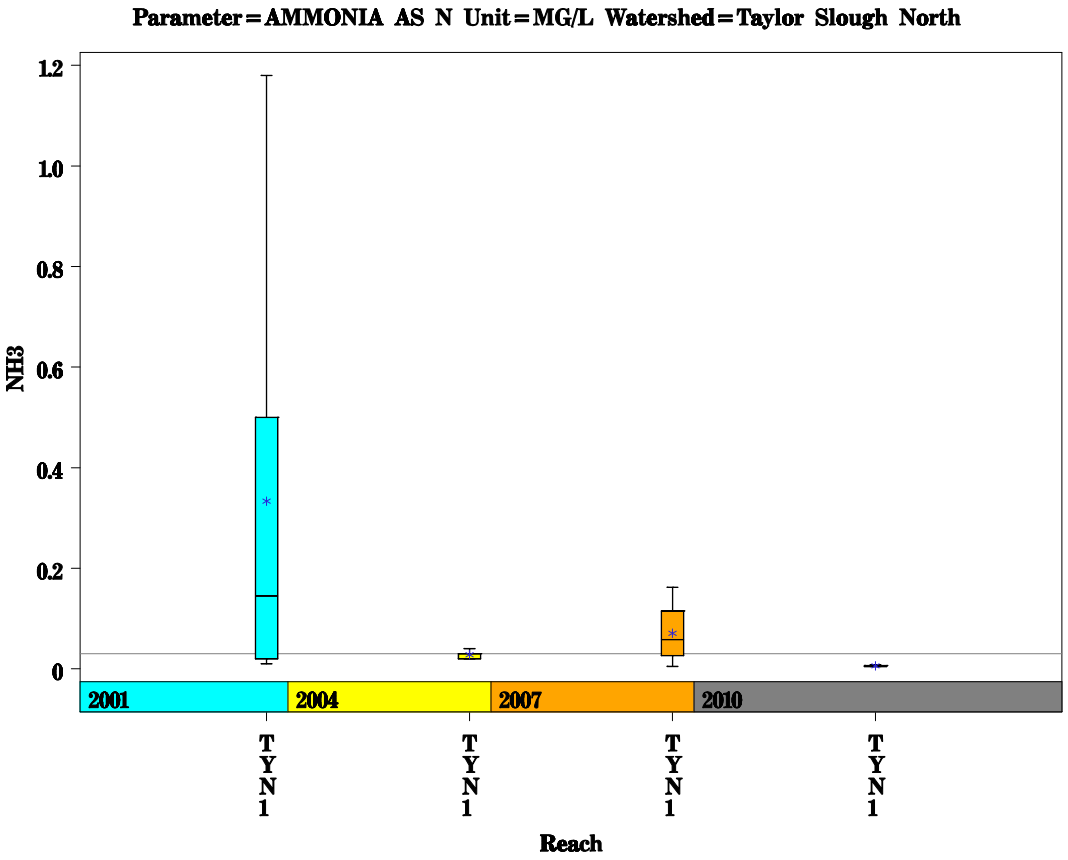
Data Summary Graphs – pH and Conductivity (Downstream to Upstream by Year)

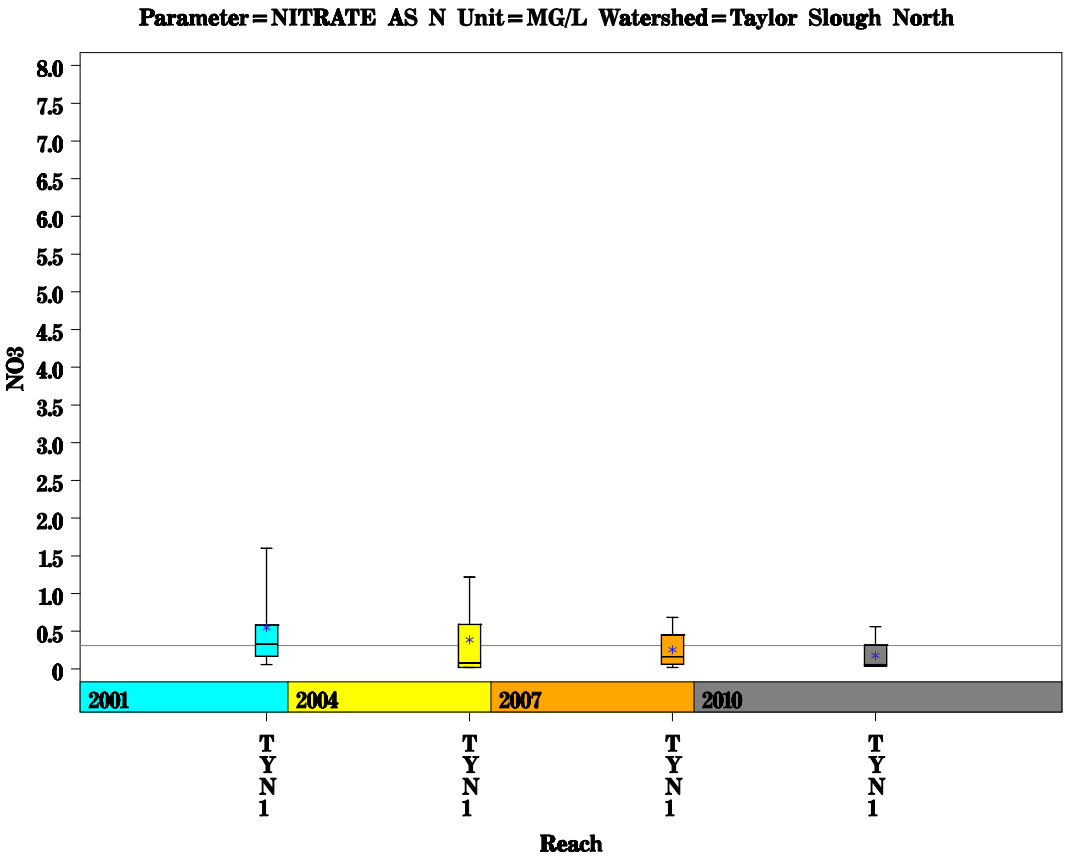




Taylor Slough North Watershed

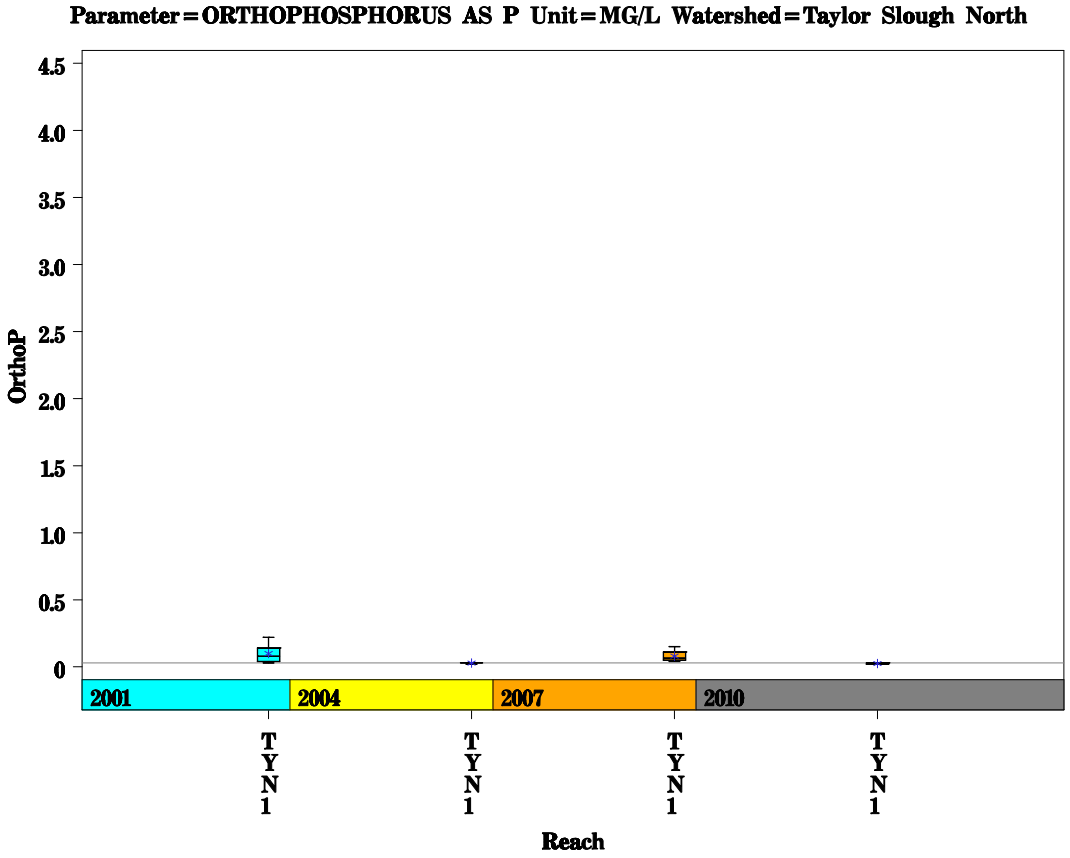
Data Summary Graphs – Ammonia and Nitrate/Nitrite (Downstream to Upstream by Year)

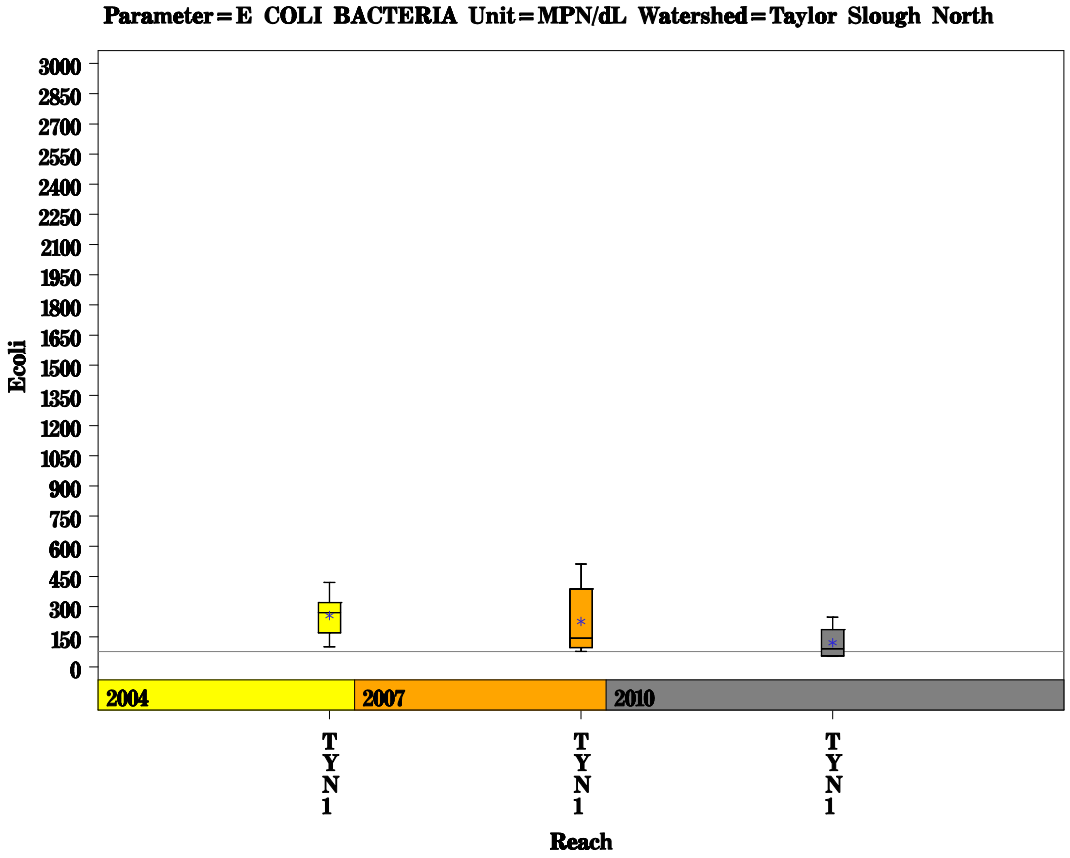




Taylor Slough North Watershed

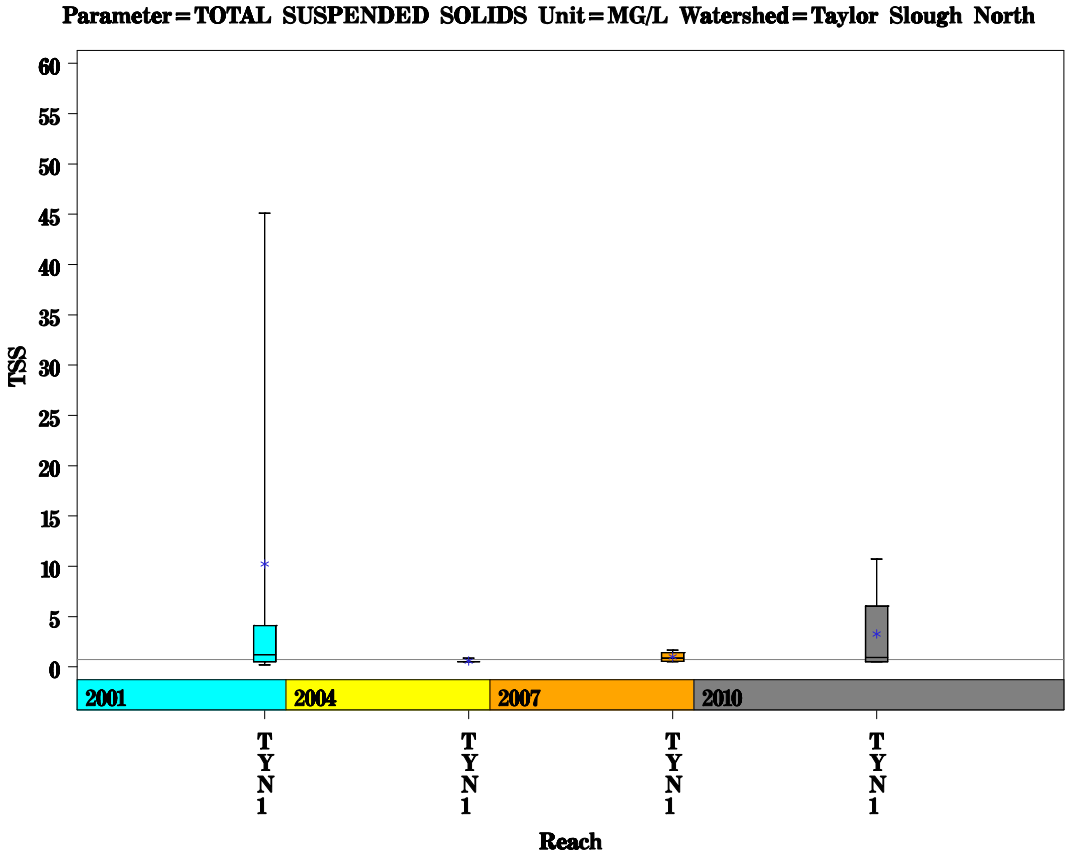
Data Summary Graphs – Orthophosphate and *E.coli* (Downstream to Upstream by Year)

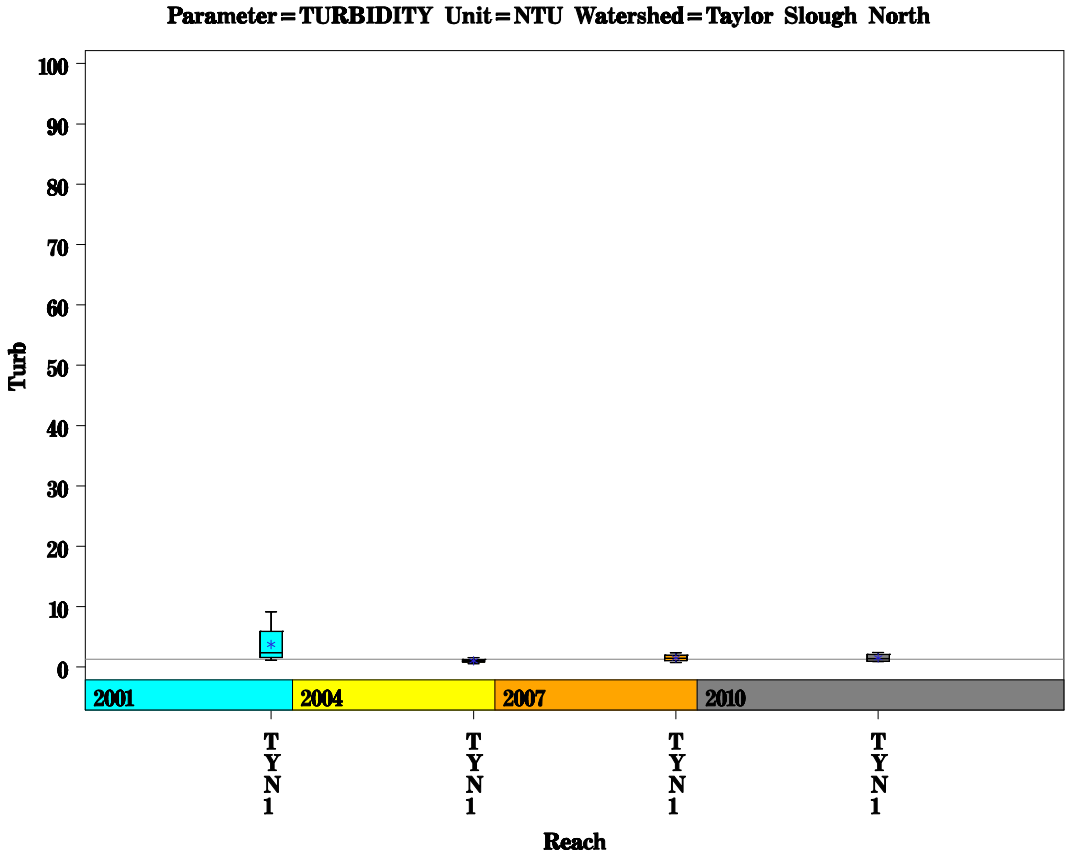




Taylor Slough North Watershed

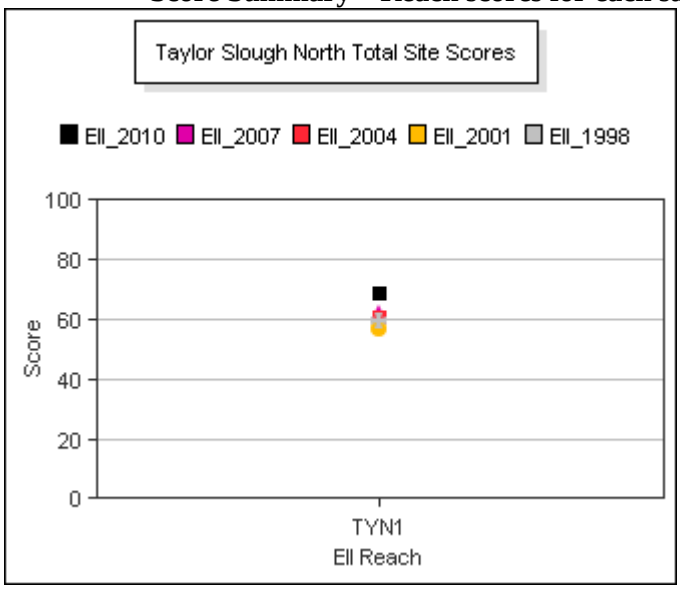
Data Summary Graphs – Total Suspended Solids and Turbidity (Downstream to Upstream by Year)

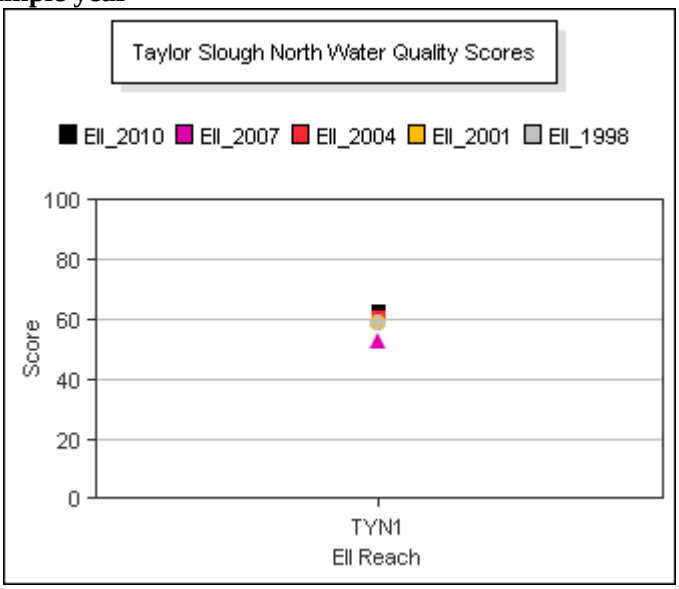


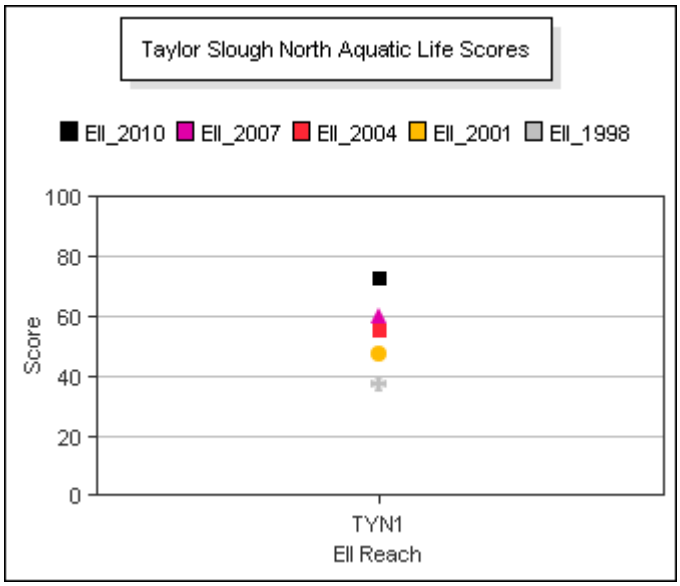


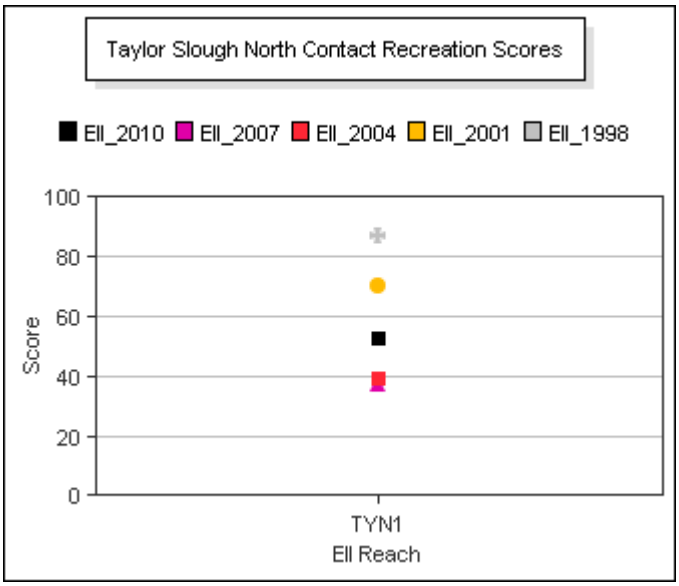
Taylor Slough North Watershed

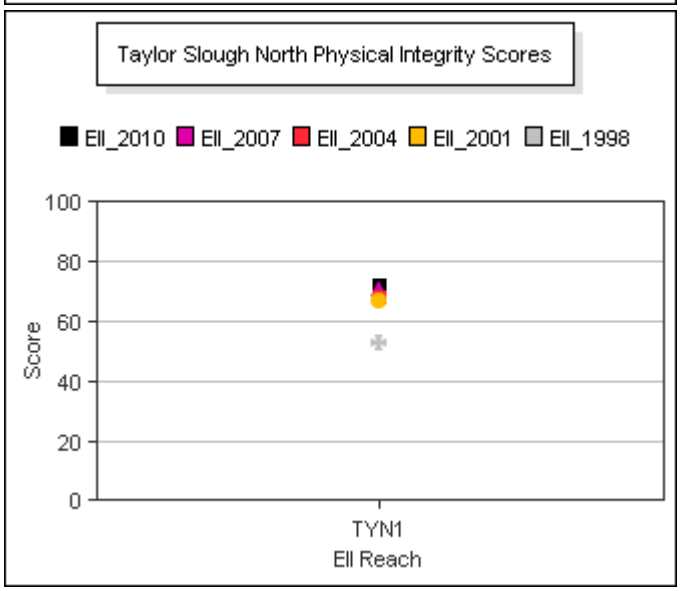
Score Summary – Reach scores for each sample year

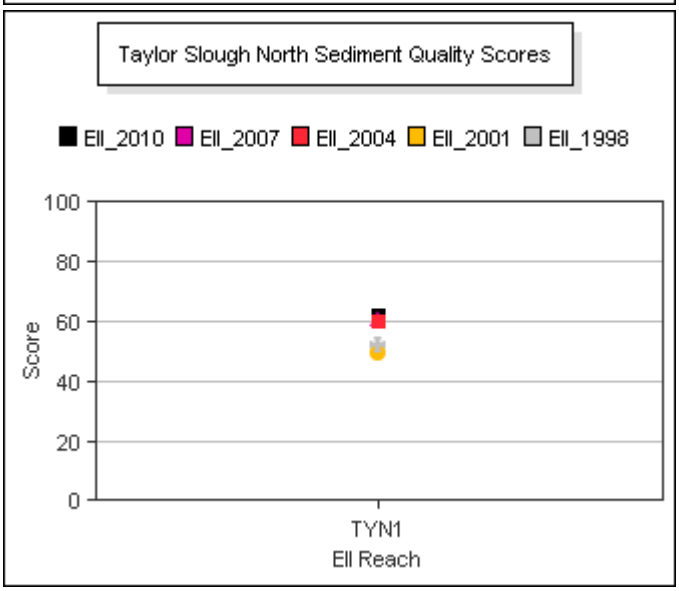












Taylor Slough North Watershed

Site Photographs

177_t00-us-05_17_2004

177_t00-ds-05_17_2004

177_t00-ur-05_17_2004

1091_t00-ur-05_17_2004

1091_t00-us-05_17_2004

Taylor Slough North Watershed

Site Photographs

3969_ds_06_18_2007

3969_ur_06_18_2007

3969_us_06_18_2007

3969_00-us-05_17_2010

3969_00-ur-05_17_2010

3969_00-ds-05_17_2010

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