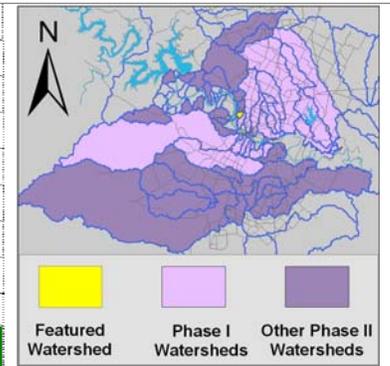


Taylor Slough South Watershed

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 | |
| | 60 | 56 | 60 | 60 | |



Flow Regime* for Sample Sites on Taylor Slough South

| 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 | Oct WQ | |
| 318 | TSS at Reed Park | B | Canyon Study | | | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| 1092 | TSS at Scenic Dr | 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 South Creek

| 2010 Summary | Parameter | Mean | Max | Min | Comments |
|-----------------|----------------------|---|------|------|---|
| Physicochemical | D.O. mg/l | 10.2 | 12.4 | 8.8 | Generally within normal range |
| | pH st.units | 8.0 | 8.2 | 7.9 | Generally above average |
| | Cond uS/cm | 782 | 799 | 772 | Wide range |
| Nutrients | NH ₃ mg/l | 0.01 | 0.01 | 0.01 | Generally within normal range with some elevated levels in 2007 |
| | NO ₃ mg/l | 2.92 | 3.88 | 2.19 | Chronically elevated |
| | Ortho P mg/l | 0.03 | 0.03 | 0.03 | Generally within normal range |
| Sediment Load | TSS mg/l | 0.6 | 0.7 | 0.5 | Consistently low |
| | Turbidity ntu | 1.3 | 2.1 | 0.6 | Consistently low |
| Biology | E.Coli /100ml | 1464 | 2420 | 770 | Chronically elevated |
| | Benthic Macs | Generally below average metric scores. Low diversity (7 taxa) and few intolerant taxa | | | |
| | Diatoms | Poor Cymbella richness, low diversity, a low percent of motile taxa, a low percent similarity to reference condition, but good pollution tolerance index. | | | |

Index scores* for Taylor Slough South by Year

| Reach | Site | Site Name | Year | Water Quality | Sediment** | Contact Recreation | Non-Contact Recreation | Physical Integrity | Aquatic Life | Benthic subindex | Diatom subindex | Total Site Score |
|-------|------|---------------------------------|------|---------------|------------|--------------------|------------------------|--------------------|--------------|------------------|-----------------|------------------|
| TSS1 | 318 | Taylor Slough South @ Reed Park | 1998 | 43 | 57 | 64 | 78 | 42 | 37 | 56 | 18 | 54 |
| TSS1 | 318 | Taylor Slough South @ Reed Park | 2001 | 55 | 66 | 55 | 80 | 64 | 37 | 42 | 32 | 57 |
| TSS1 | 318 | Taylor Slough South @ Reed Park | 2004 | 43 | 68 | 44 | 82 | 56 | 40 | 32 | 48 | 56 |
| TSS1 | 318 | Taylor Slough South @ Reed Park | 2007 | 55 | 60 | 52 | 81 | 62 | 50 | 49 | 51 | 60 |
| TSS1 | 318 | Taylor Slough South @ Reed Park | 2010 | 51 | 68 | 25 | 88 | 63 | 64 | 54 | 74 | 60 |

* 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

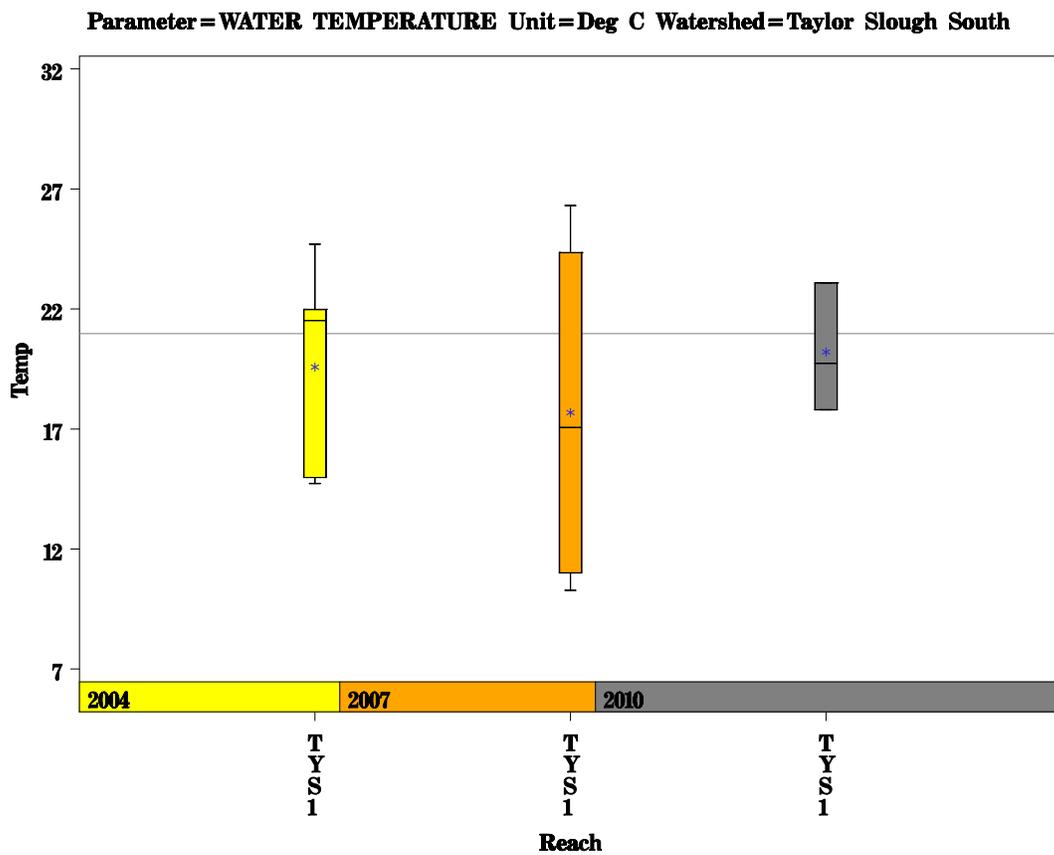
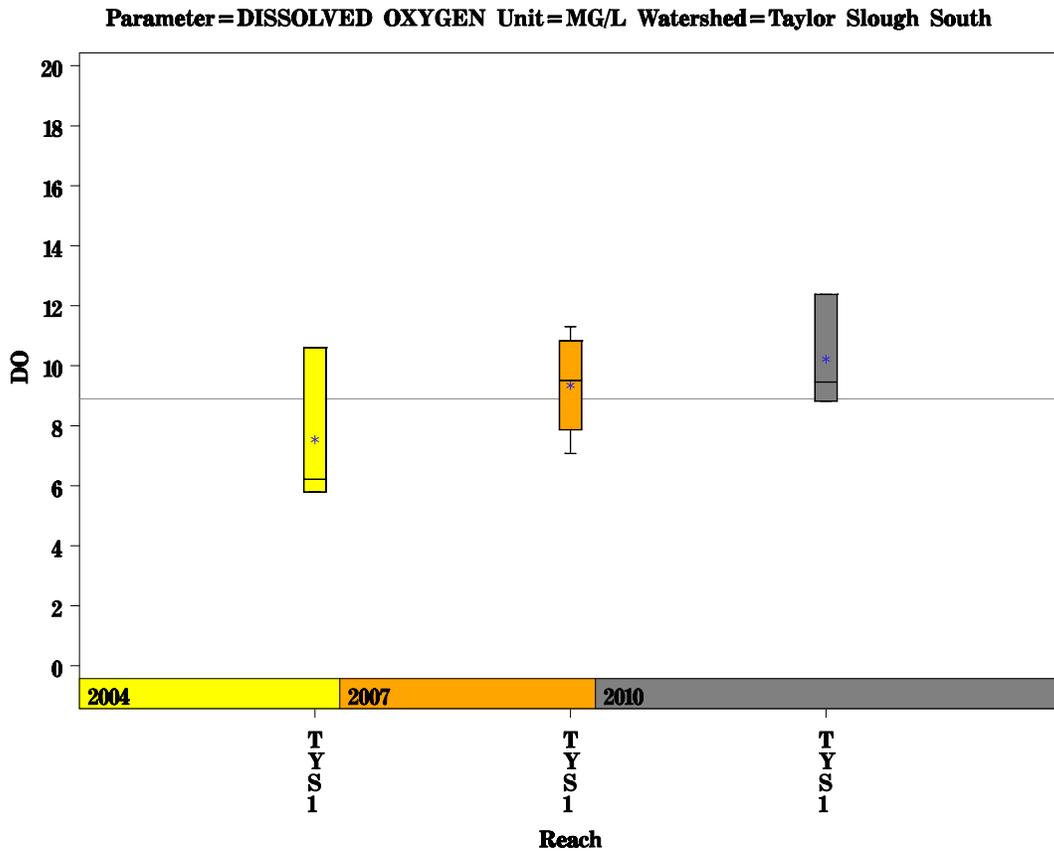
Taylor Slough South Watershed

Aerial Map



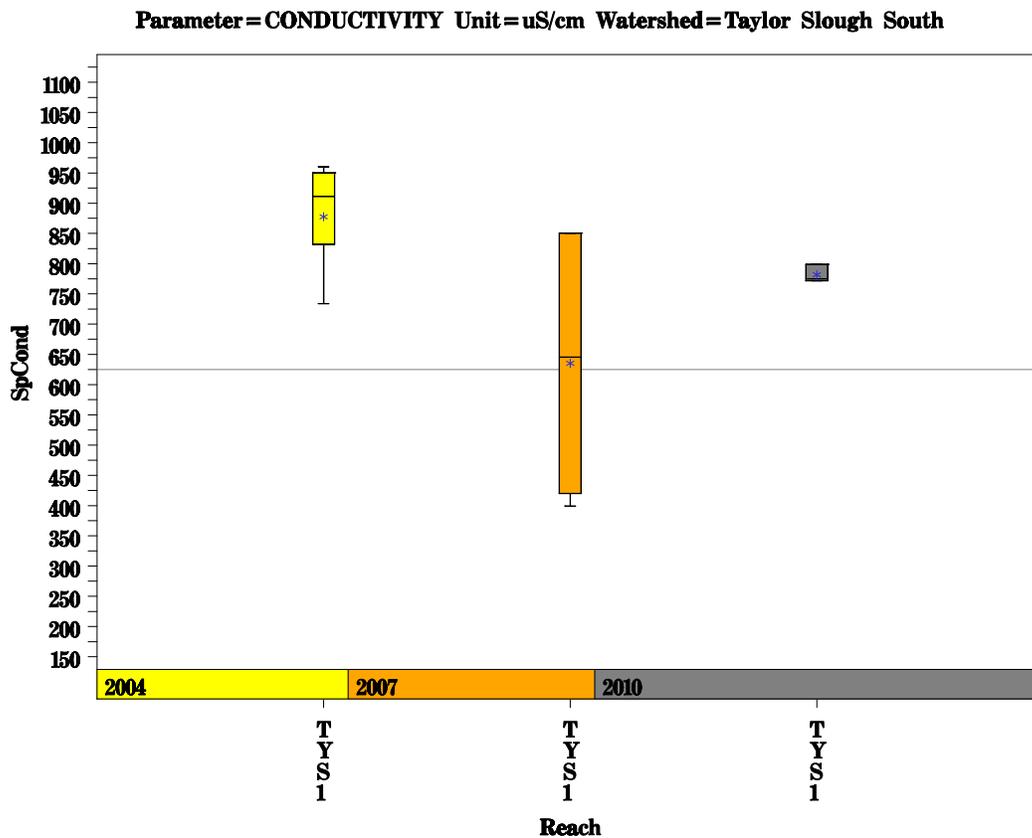
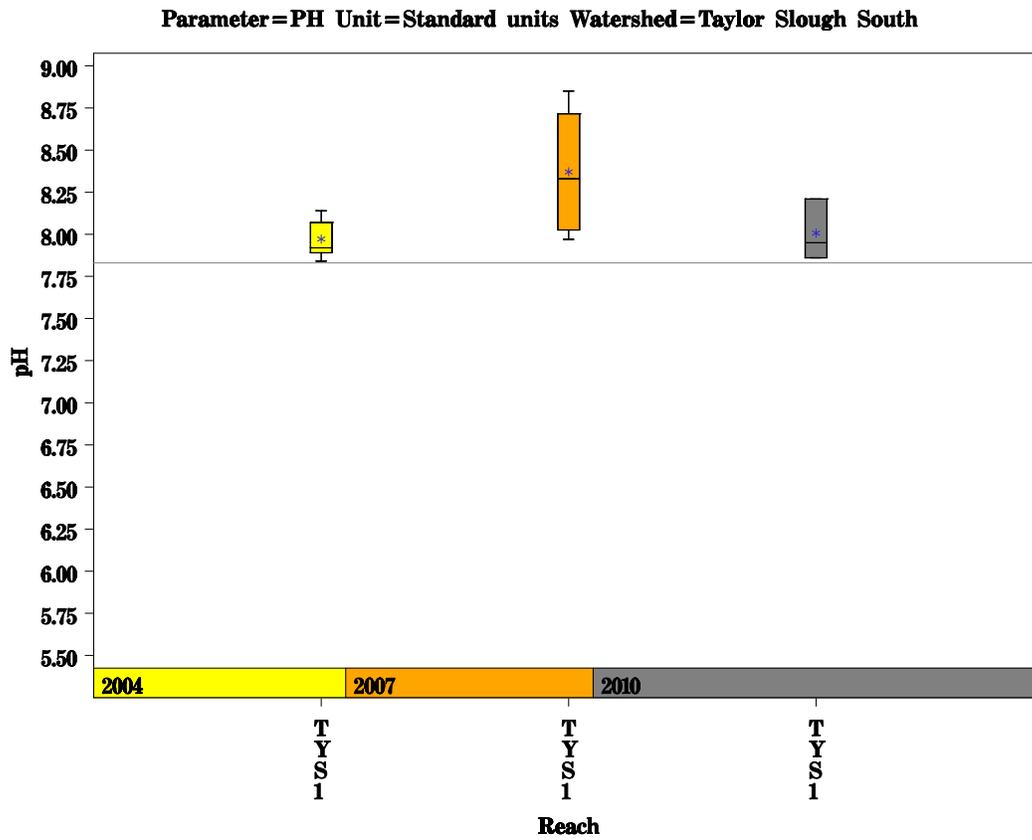
Taylor Slough South Watershed

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



Taylor Slough South Watershed

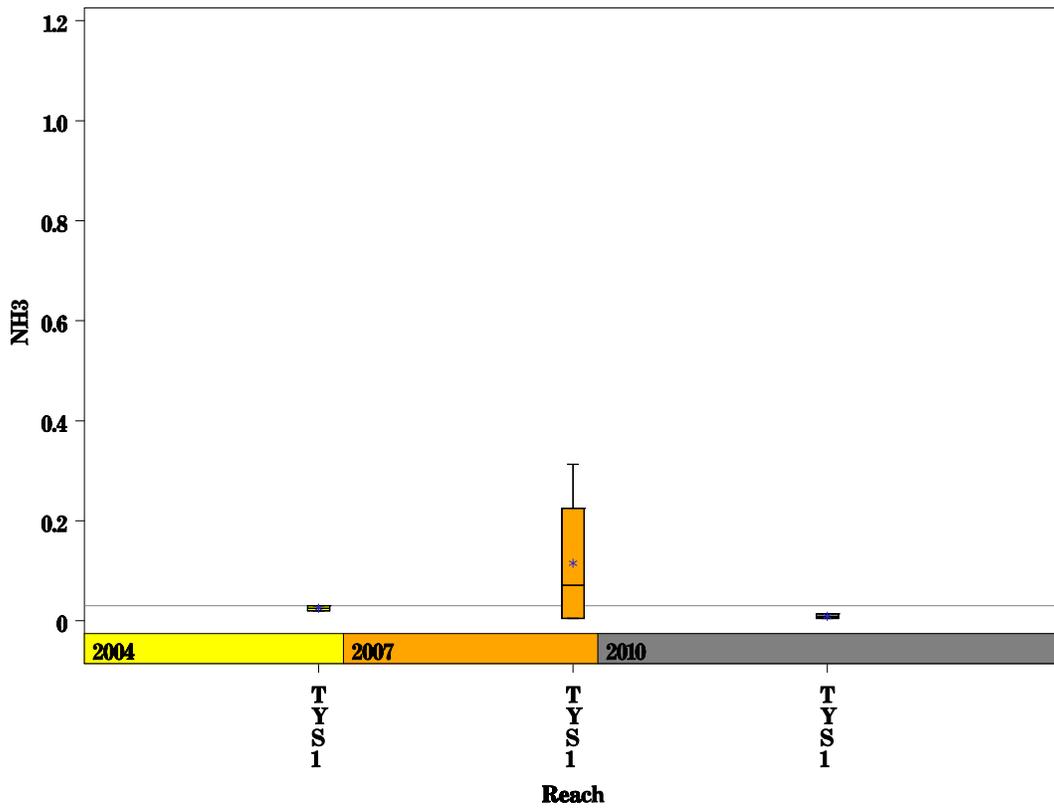
Data Summary Graphs – pH and Conductivity (Downstream to Upstream by Year)



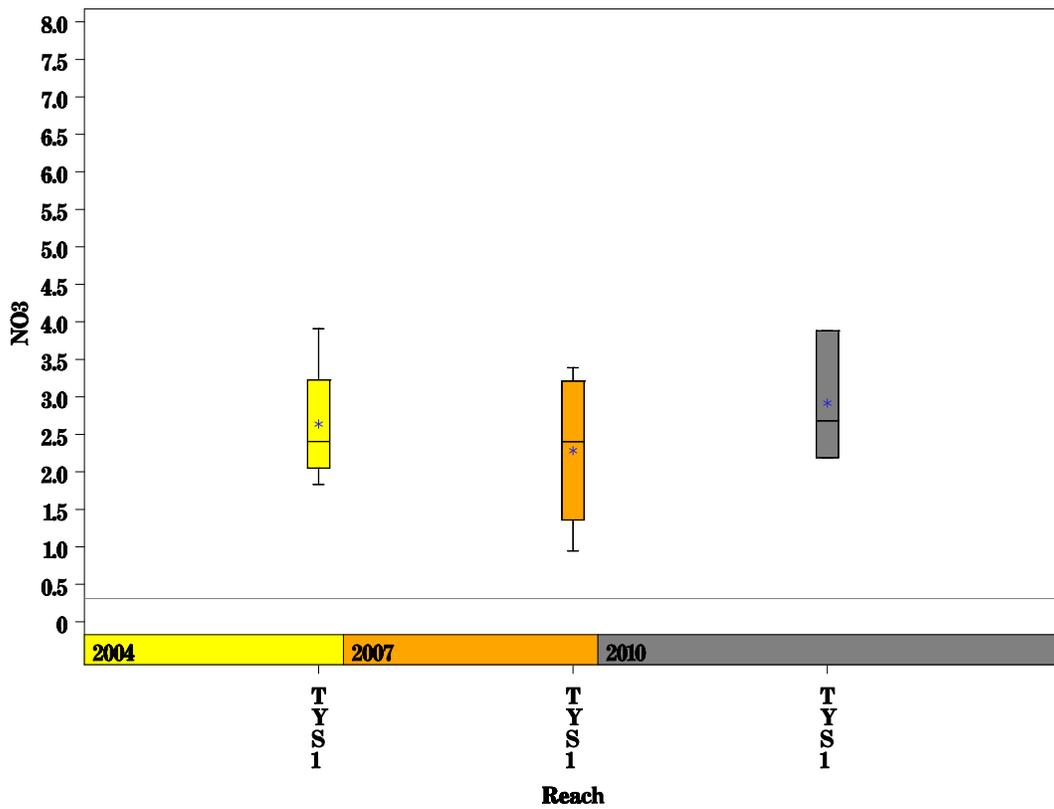
Taylor Slough South Watershed

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

Parameter=AMMONIA AS N Unit=MG/L Watershed=Taylor Slough South

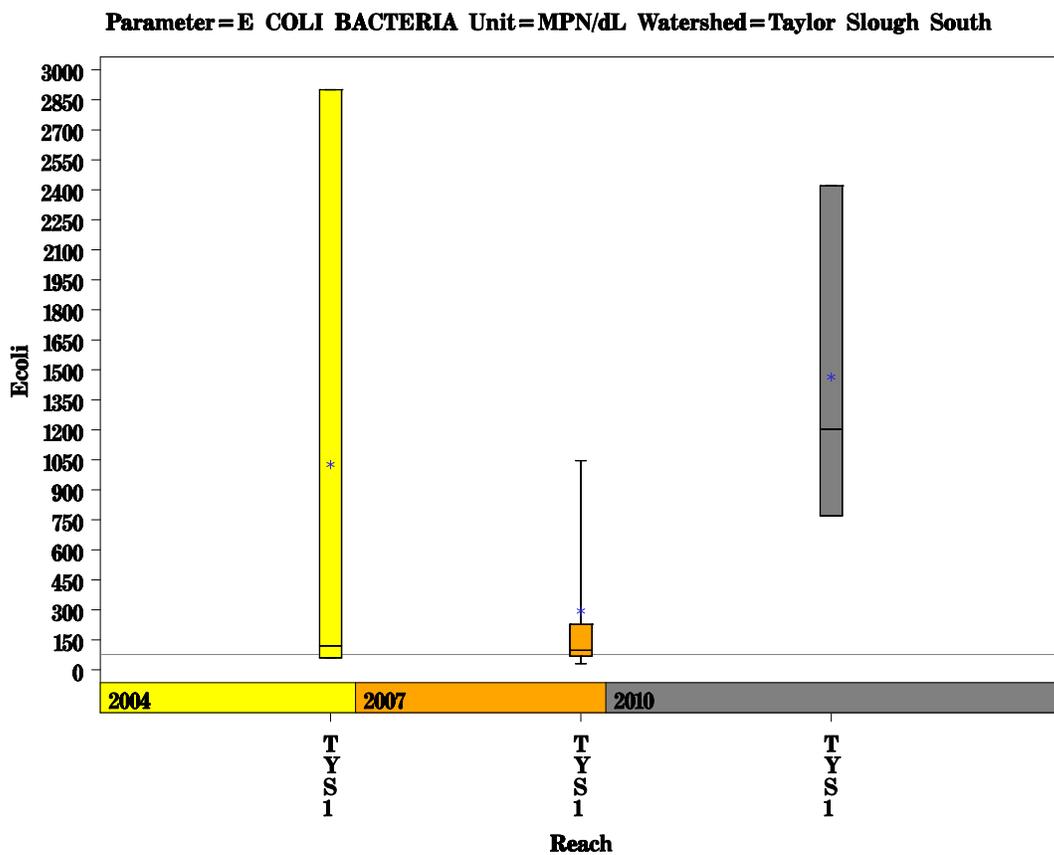
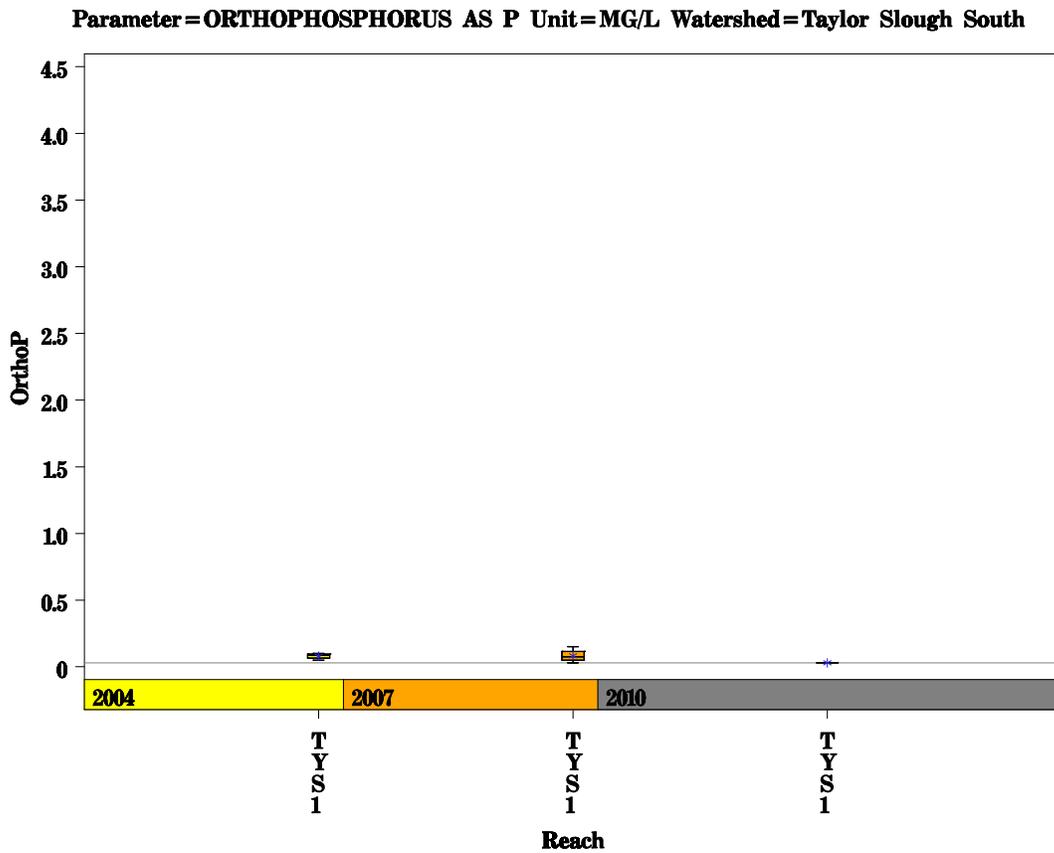


Parameter=NITRATE AS N Unit=MG/L Watershed=Taylor Slough South



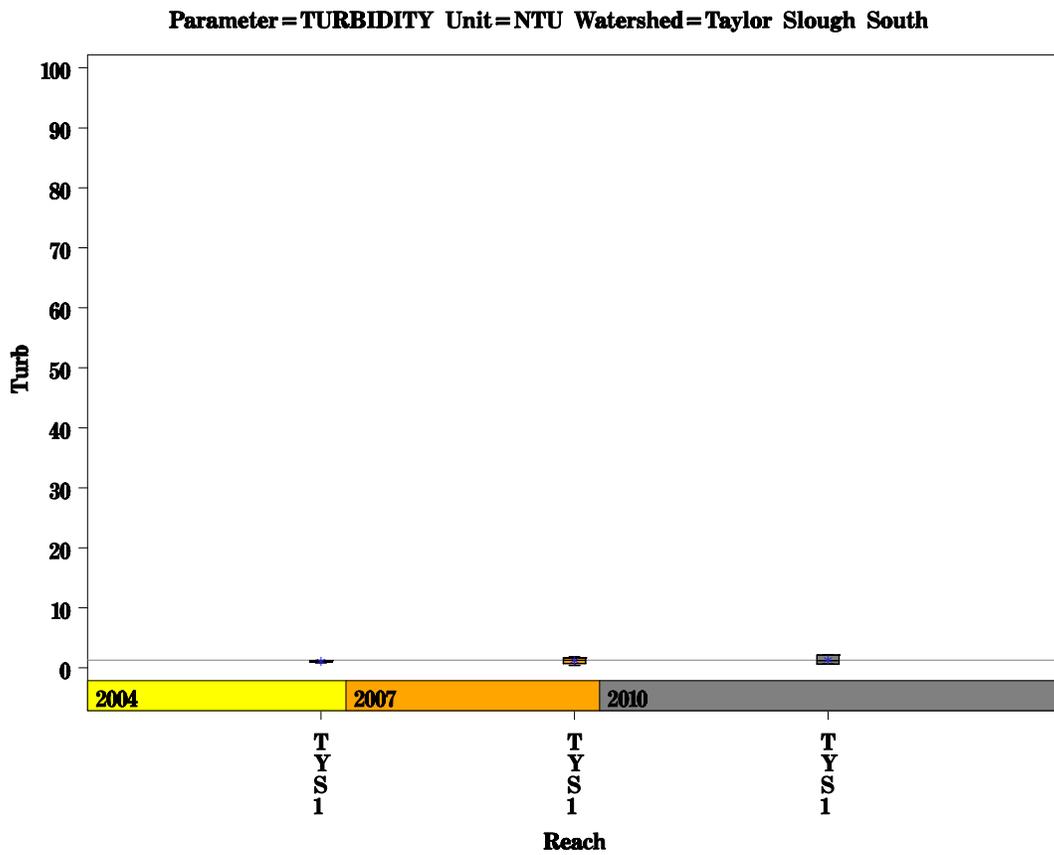
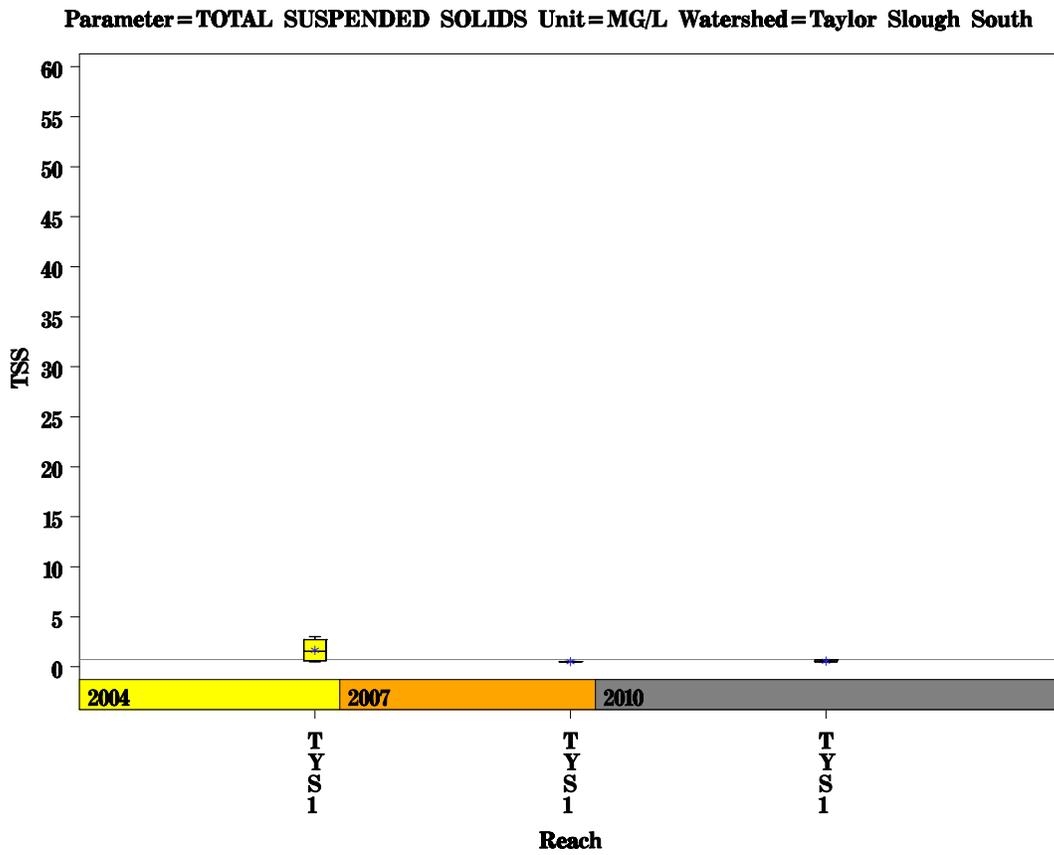
Taylor Slough South Watershed

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



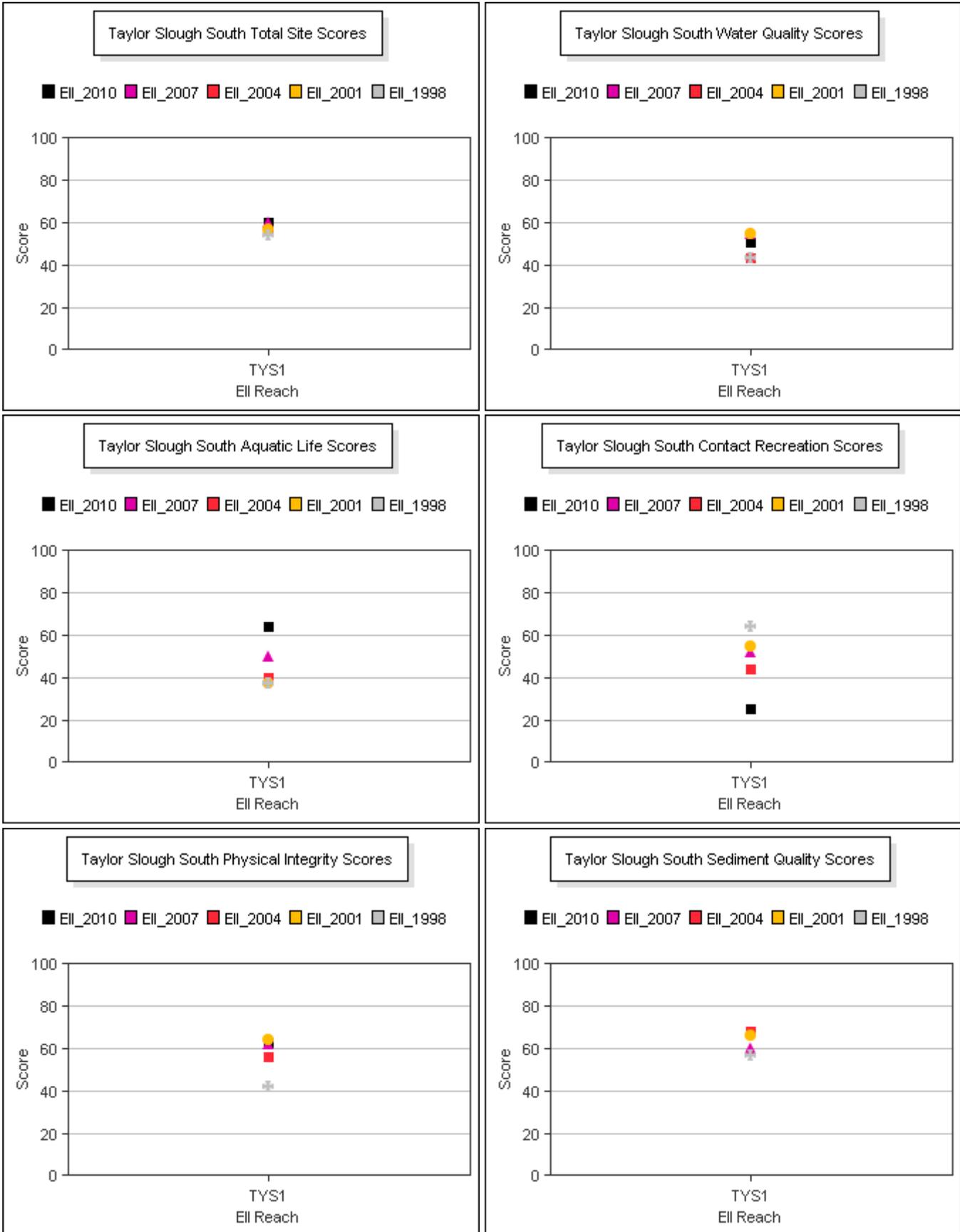
Taylor Slough South Watershed

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



318_t00-ds-05_17_2004



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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