

Clarksburg Special Protection Area

Leo Galanko (MCDPS)

Richard Gee (MCDPS)

Mark Sommerfield (MCDEP)

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Clarksburg Special Protection Area

- Special Protection Areas must have an approved Water Quality Plan
- Water Quality Plans consist of:
 - Stormwater Management Concept
 - determines which BMP treatment train works best for the watershed and land use
 - Sediment Control Concept
 - stresses stabilization and redundant sediment controls
 - BMP Monitoring Plan
 - determines which BMPs are to be monitored and the parameters for the monitoring
- Detailed Sediment Control/Stormwater Management Plan



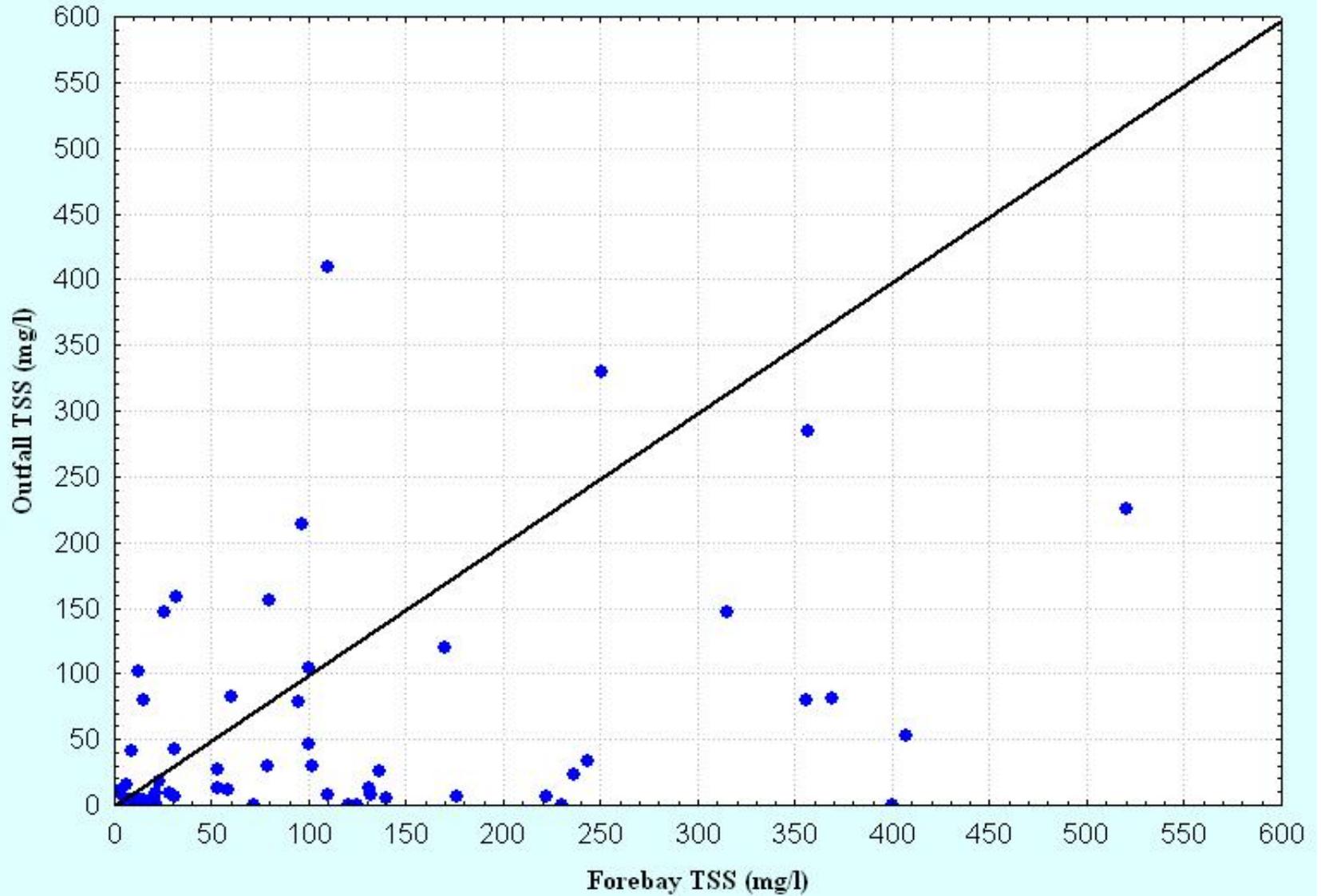
Sediment and Erosion Control

- Sediment and erosion control devices receiving runoff with TSS concentrations greater than 100 mg/l (likely to occur during the early development periods involving cutting, filling and grading) are generally effective
- Devices become less effective when water with TSS concentrations less than 100mg/l enters the basin or trap

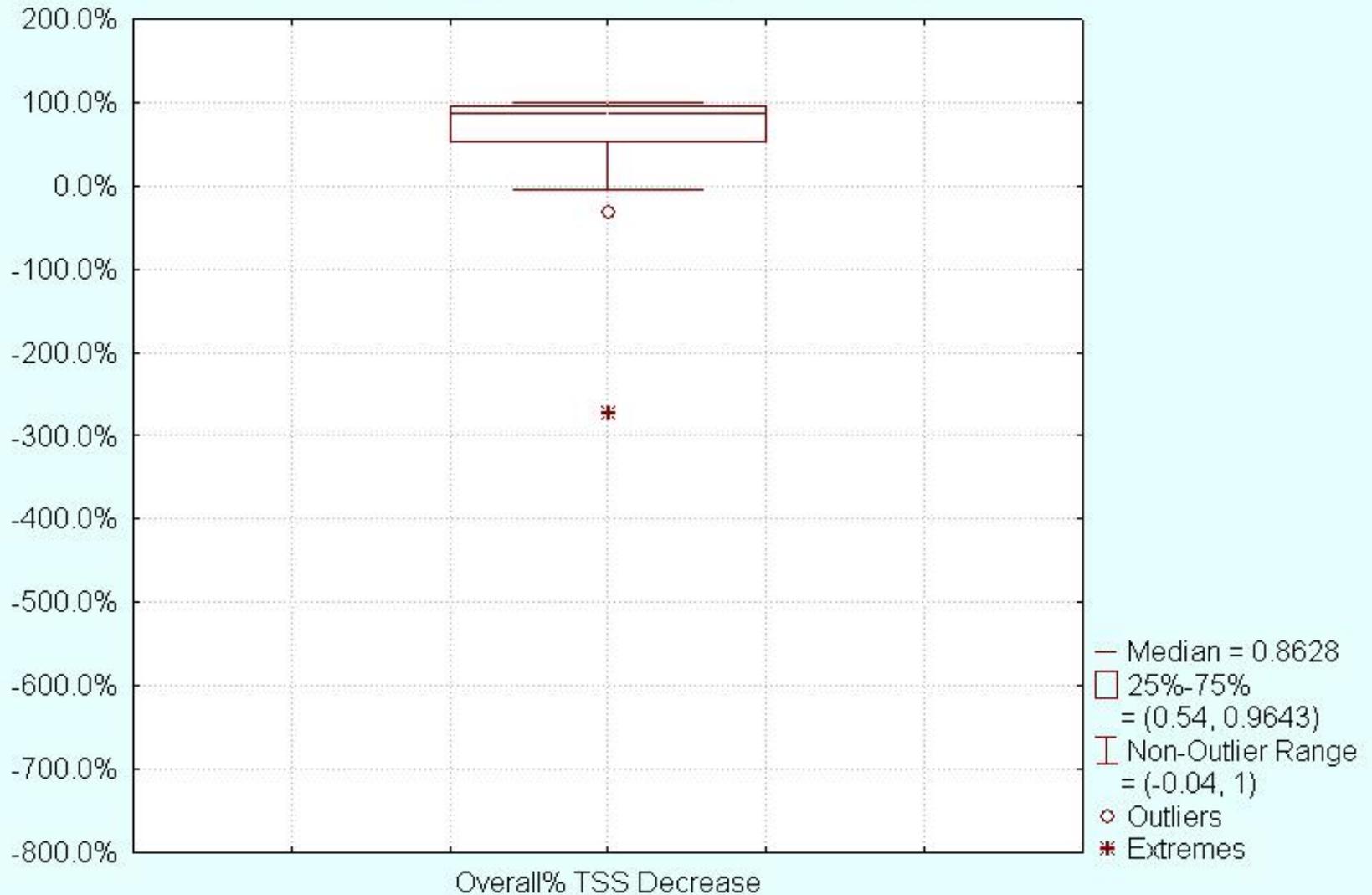
Sediment and Erosion Control

- There appears to be a lower limit to sediment removal that can be achieved using current designs.
- This lower limit appears to be reached when site development reaches a stage where roads are in place, lots are final graded, and stormwater is being conveyed through a storm drain system to the sediment and erosion control devices.

Forebay and Outfall TSS Concentrations



SPA Sediment Structure TSS Percent Decrease Where Forebay TSS is Greater or Equal to 100 mg/l



SPA Sediment Structure TSS Percent Decrease Where Forebay TSS is less than 100 mg/l

