

SR DGT Probe Development

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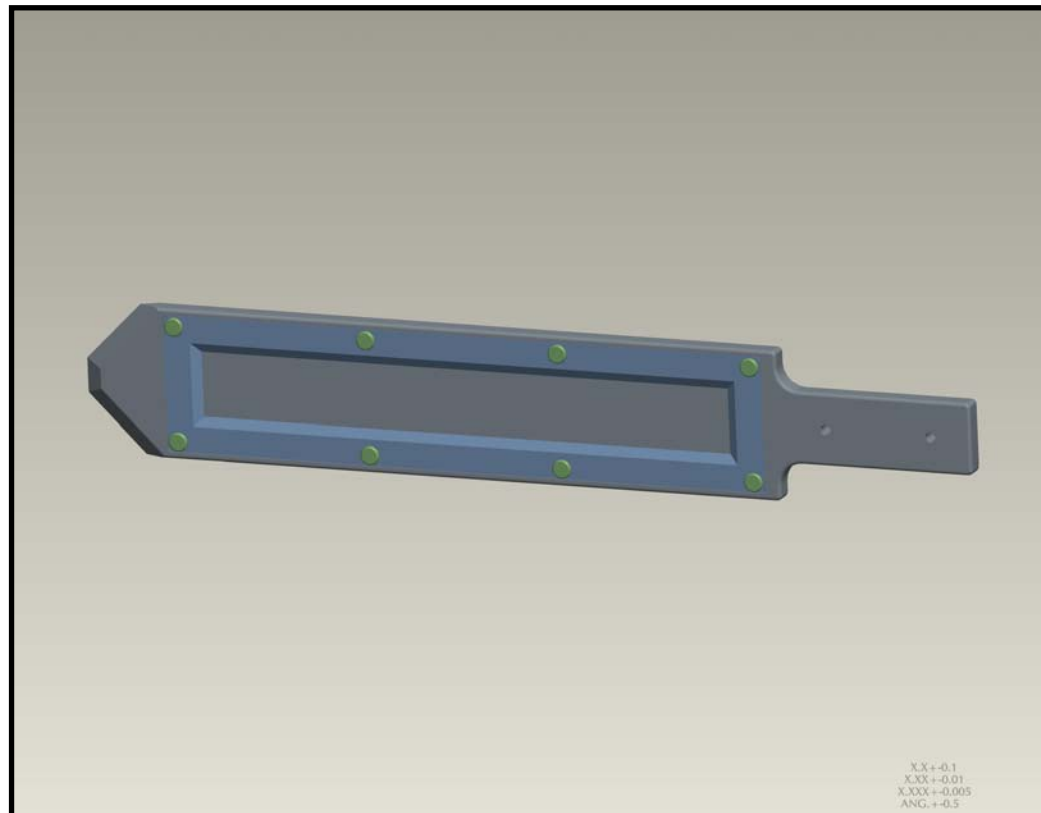
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SRST Program Update



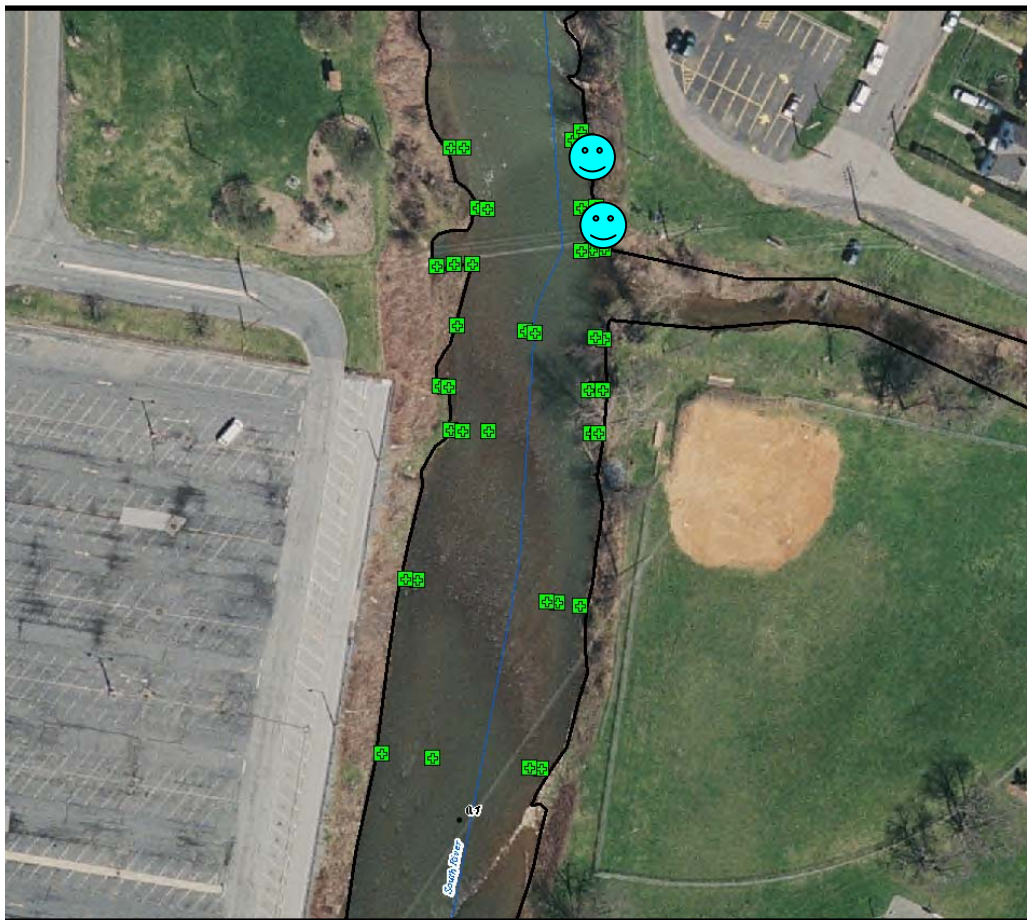
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- Program Objective:
 - Support the ROPs remedial efforts by:
 - Developing a tool to passively measure PW gradients in the sediment and compare data to PW collected using conventional methods
 - Collect a comprehensive data set PW, SW, and sediment
 - Refine the K_d s to be used in modeling efforts

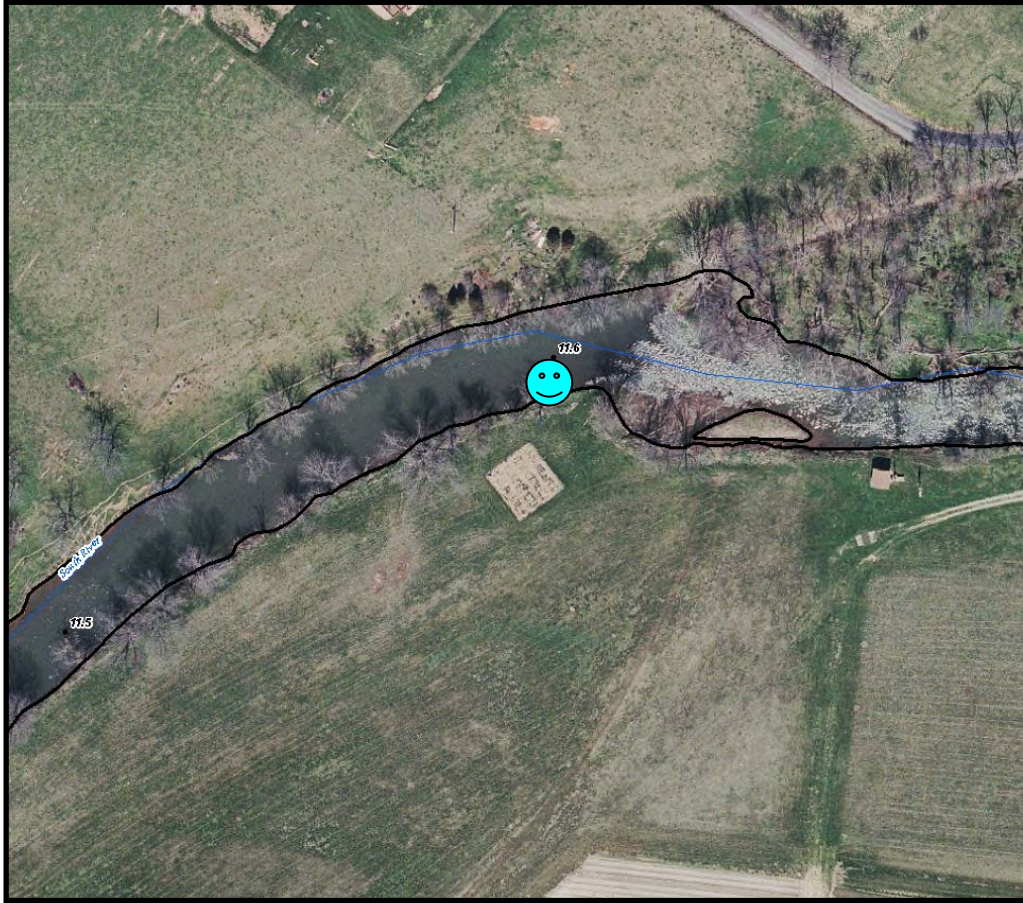


Status:

- Safely deployed the DGT technology in Gravel and FGCM deposits
- Fifteen depth profiling DGT probes were deployed
- 10 "button" type surface DGT probes were deployed.
- Emplacement tool was important for gravel and FGCM deposits
- Analytical of DGT sorbtive gel is currently progressing
 - Expectation for preliminary results in roughly 6 weeks
- PW, SW, and sediment analysis is currently progressing
 - PW/SW - THg, MMHg, Fe, Mn, TOC, DOC, and SUVA
 - Unfiltered and filtered (0.45, 100,000, 30,000 and 5000 MWCO)
 - Sediment - THg, MMHg, LOI, carbon, AVS











Path Forward:

- Pending analytical results:
 - Broader scale fall deployment along transects in the study areas
 - Focused on total Hg analysis

