

AOC 4 Pre-Remedy Monitoring and BMA Refinement Update

Former DuPont Waynesboro Site, Virginia

South River Science Team Meeting
January 20, 2016

Agenda

- Key findings from 2015 monitoring
- Pre-remedy Short-term monitoring summary
- Important monitoring information for 2016
- BMA Refinement Activities

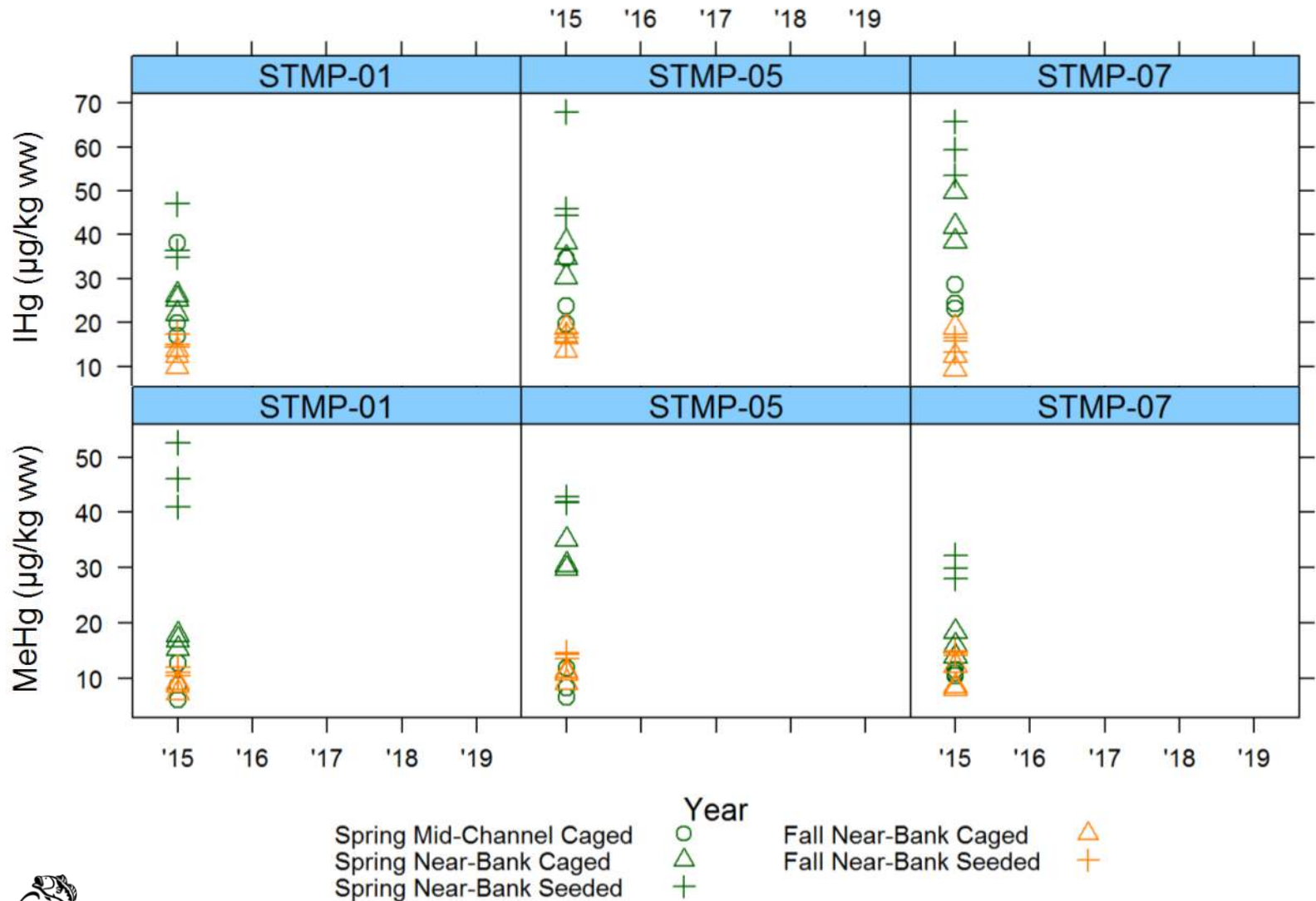


Pre-Remedy Monitoring- 2015

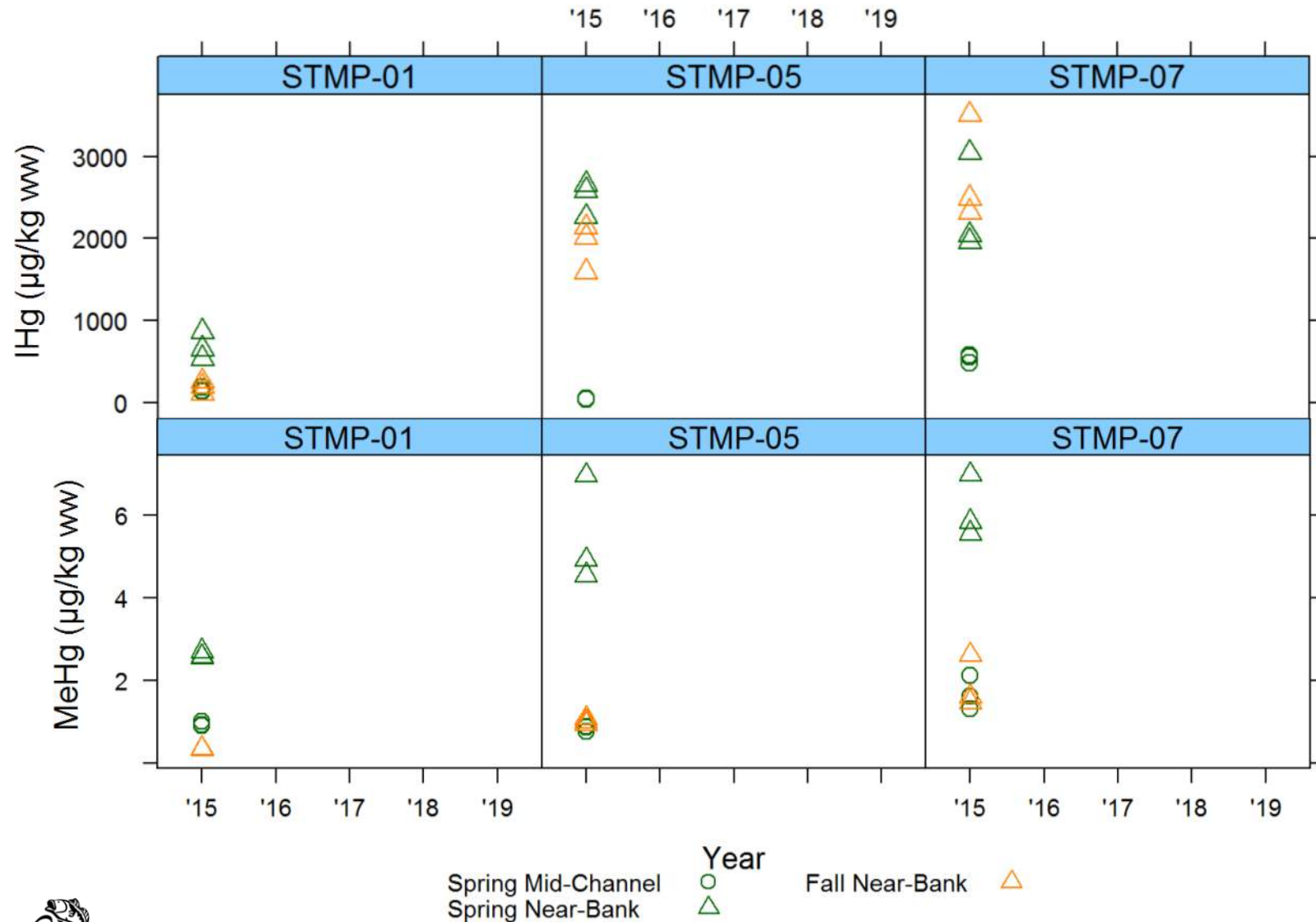
- Transition to non-lethal fish tissue sampling only
- Weather impacts on Fall 2015 monitoring
- Mallard duck sampling pending
- Incorporation of habitat quality monitoring



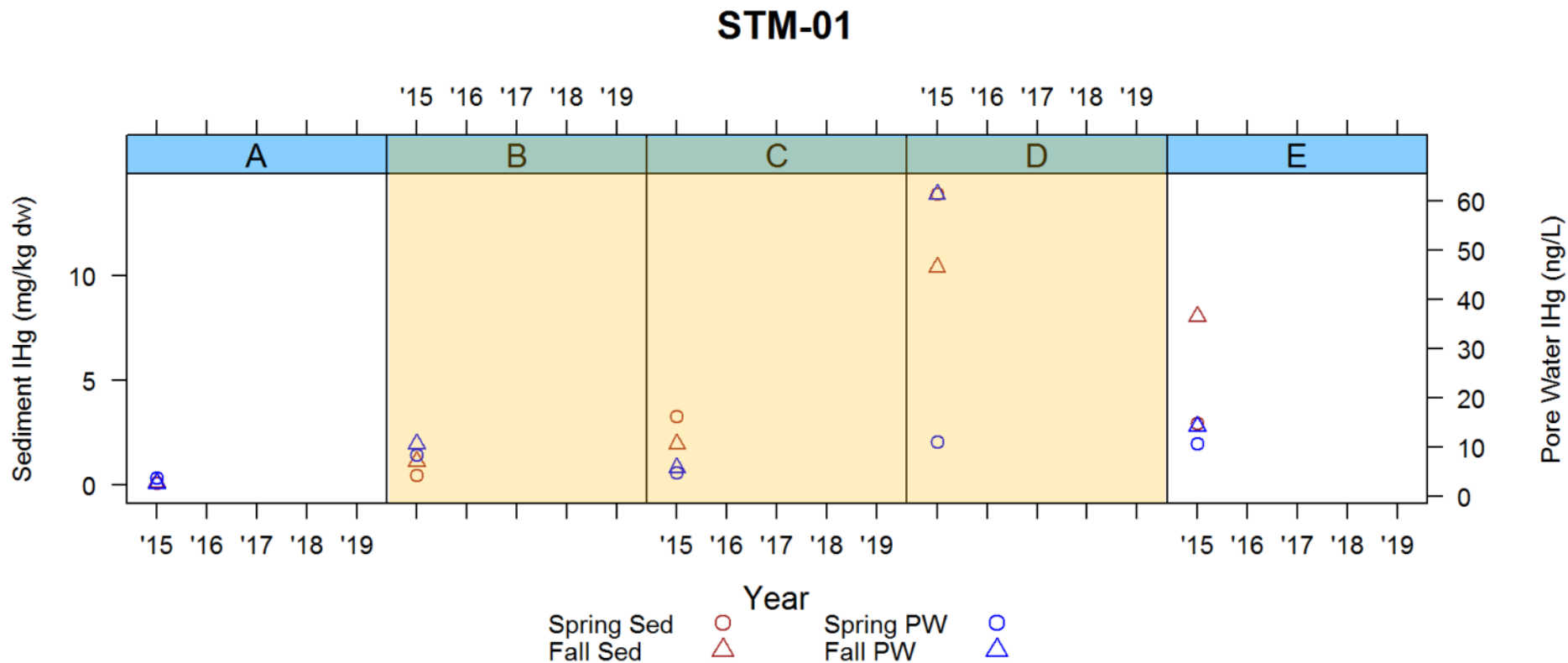
Short-Term Monitoring- Clams



Short-Term Monitoring- Periphyton

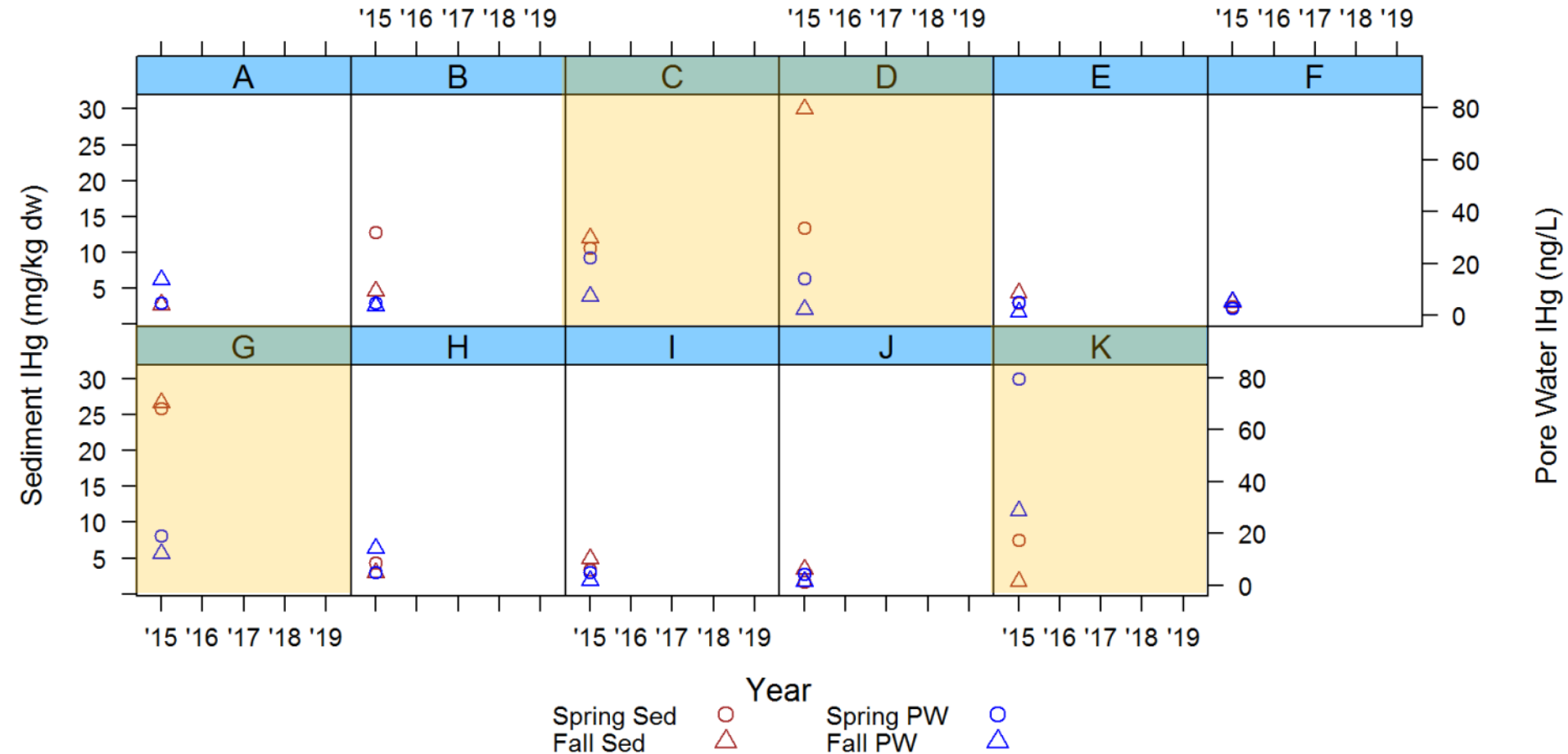


Short-Term Monitoring- PW/Sediment



Short-Term Monitoring- PW/Sediment

STM-07



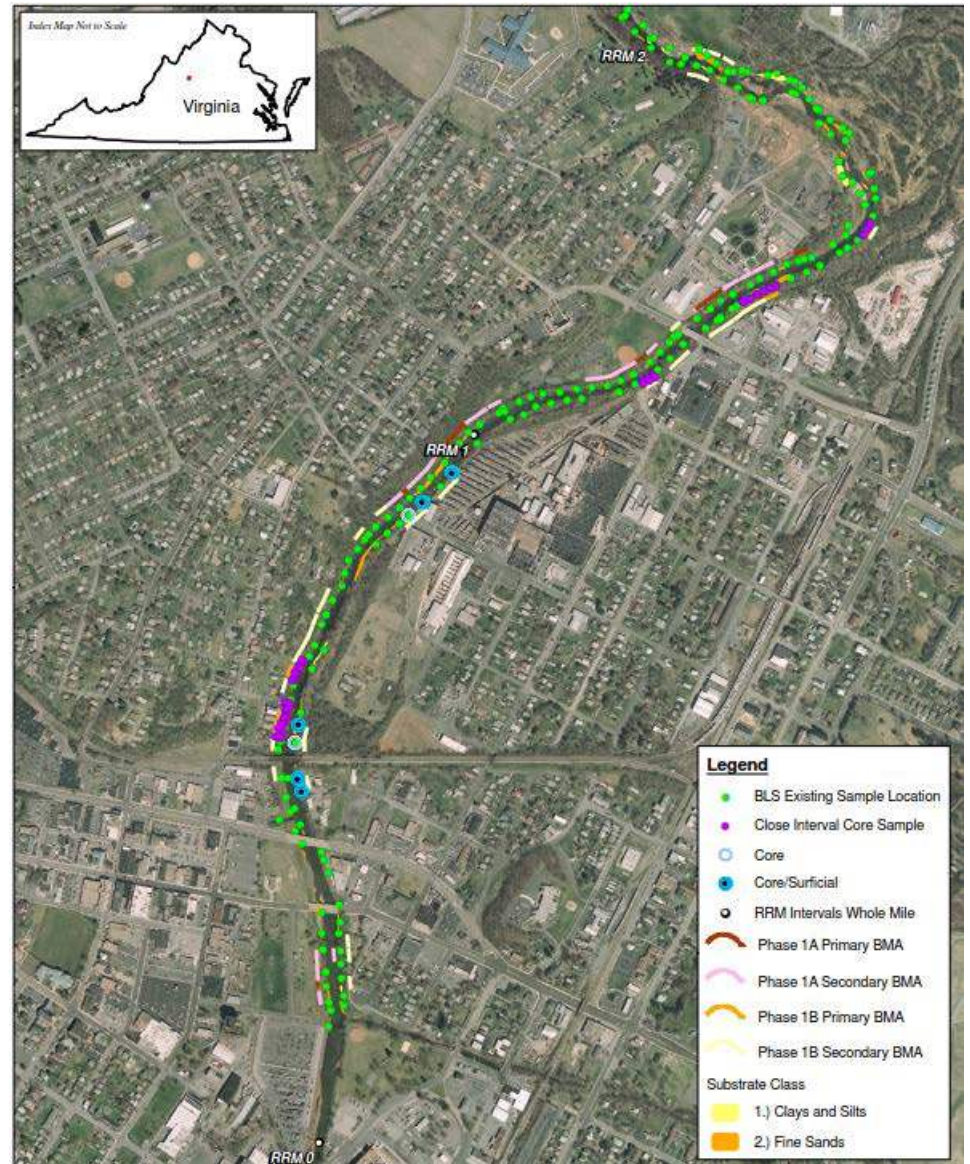
2016 Monitoring Program

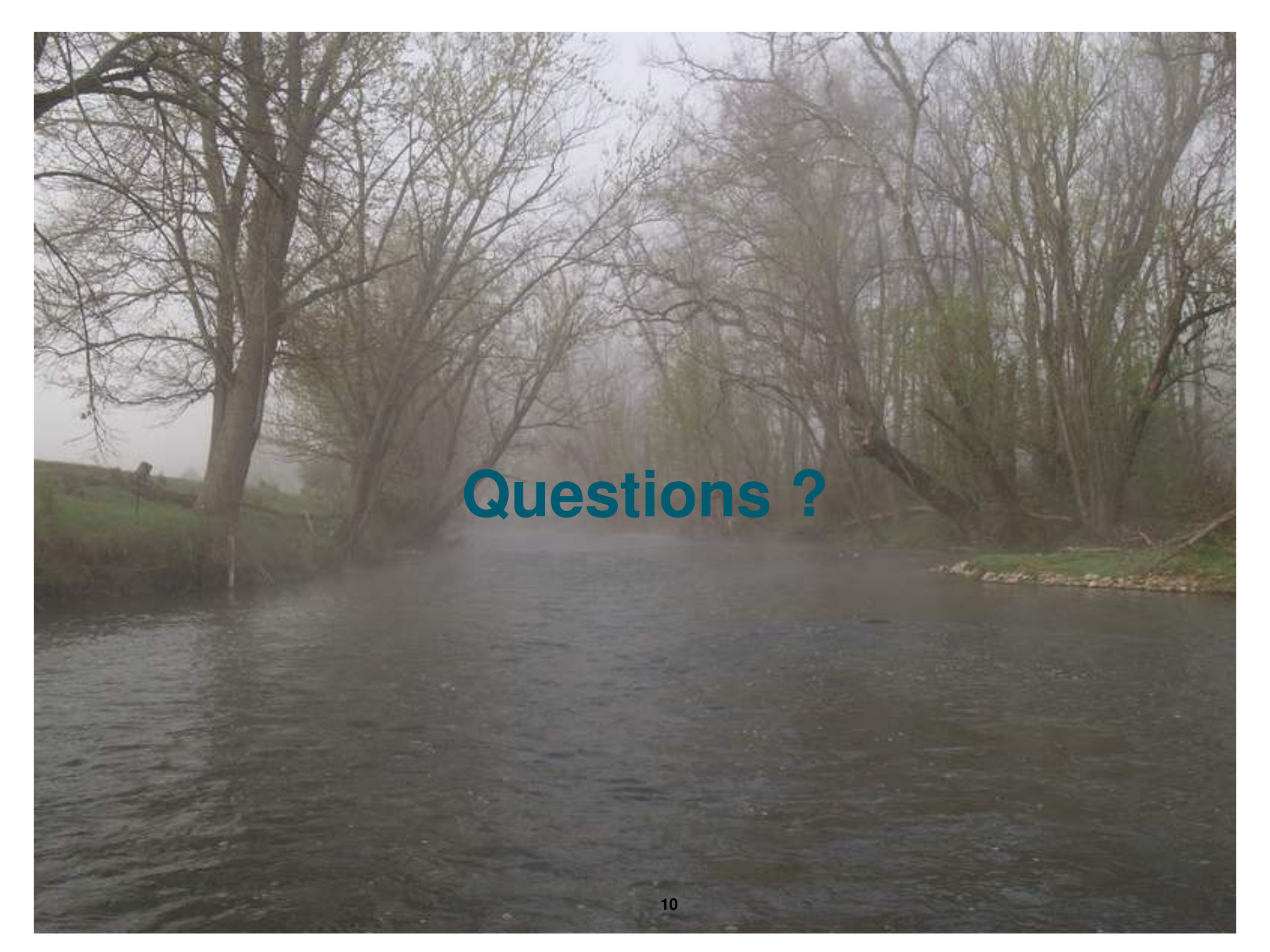
- All (primary and secondary) STM locations will be monitored in 2016
- Enhanced vegetation/habitat monitoring elements
- Real-time mercury analyzer pilot coupled with LTM surface water sampling efforts
- Spring 2016- “pre-remedy” conditions
- Fall 2016- “transitional” conditions



BMA Refinement Activities

- Phase 1A - Final design survey data collection
- On-going mercury characterization at Phase 1B BMAs
 - Intensive coring at Primary BMAs
 - Limited surficial/core sampling at Secondary BMAs to close data gaps
 - XRF field testing w/ JMU
- Pre-design geophysical/ecological data collections



A photograph of a river or stream flowing through a wooded area. The water is dark and rippled. The banks are lined with trees, some of which have bare branches and others with light green foliage. A thick mist or fog hangs over the water, obscuring the background. The overall atmosphere is quiet and somewhat somber.

Questions ?