

Agenda



- Background
- Objectives
- Methodology
- Results
- Path Forward





Background

south river

- Phase 1B BMAs include city and private ownership
- Mixture of Primary and Secondary BMAs
- Phase 1A and 1BBMAs, account for ~90% of Hg bankloading from RRM 0-2





Objectives



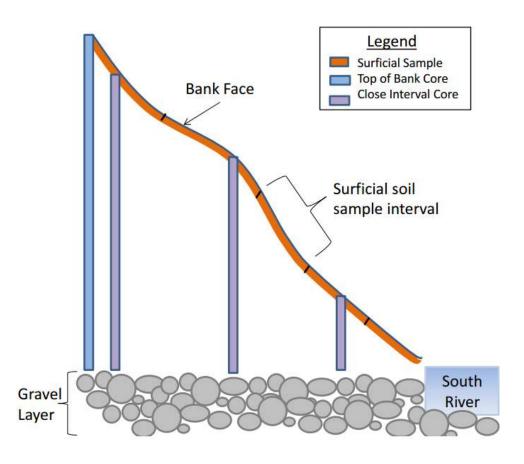


- Provide additional data to refine loading estimates to inform Phase 1B BMA remedial designs
- Horizontal and vertical delineation within potential removal areas
- Close data gaps at Secondary BMAs



Methodology





- Surficial soil transects
- Top of bank cores
- Close interval cores
- THg analysis by EPAMethod 7471A

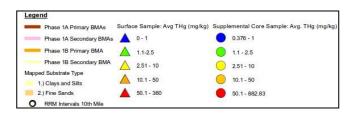
 Coordination with JMU for field testing of XRF technology







- Elevated concentrations
 w/in removal areas
- LBH-08 to LBH-10
 - Max THg 1,440-1,520 mg/kg
 - Additional close-interval sampling to delineate downstream end of removal area
- RBH 01
 - Max THg 151 mg/kg

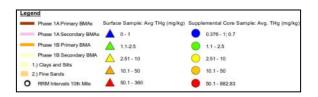






- Generally lower concentrations
- Unique profile at RBH07-201

Transect	Depth Interval (feet)	THg (mg/kg)
RBH07-201	0-1	0.76
	1-2	0.32
	2-3	22.5
	3-4	21.3
	4-5	151
	5-6	845
	6-6.5	78.1



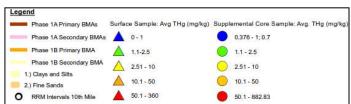








- Data consistent with previous results
- BMA may be extended extended upstream to RBH-11-200
- Max THg 126 mg/kg

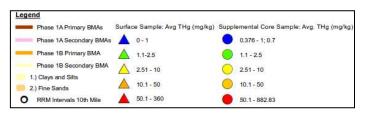








- Greatest THg at depths > 2-3' BGS
- Max THg 2,470 mg/kg
- BMA boundaries may be extended after additional characterization data are collected





Path Forward



- Update bank loading model
- Refine Phase 1BBMA boundaries
- Begin Phase 1Bremedial design(~Q4 2016/Q1 2017)





