

Review of Candidate Studies to Address Key Unknowns in Mission Reach

- Landside Surface Contamination
 1. Stormwater monitoring of Springfield outfall
 2. Landside contamination monitoring at Jasper-identified hot spots, including sampling of catch-basins
- Landside Sub-surface Contamination
 3. Follow-up monitoring of artesian well PCB concentration
 4. Groundwater quality sampling via piezometers
 5. Further our understanding of groundwater hydrology
 - Data mining (including Avista VCP)
 - Consider other sites with MWs for installation of data loggers (opportunistic)
 - Consult with local experts (include info on basalt contact)
 - 'in a perfect world' calculate loading based on gw dynamics and artesian well concentrations
- Legacy Contamination from Upstream Sources
 6. Mapping of the areal extent of depositional areas
 7. Sediment PCB monitoring with higher spatial resolution
 - Trent bridge sediment samples collected by ECY
- Contaminated River Fill
 8. Additional monitoring with greater spatial coverage of artificial fill PCB concentrations
- Buried PCB-Containing Objects
 9. Follow-up on magnetometer anomalies
 - i. via video or diver survey to positively identify objects identified by magnetometer
 - ii. Sediment or biofilm sampling immediately downstream of objects detected
 10. Follow-up object detection near Trent Bridge
- Multi-purpose Studies
 11. Additional Biofilm Monitoring
 12. More rigorous review of historical land use
 - Including uses of aroclors, cleanup levels, etc