

Proposed Scope and Costs for Next Phase of Work

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Next Steps

- Closure of synoptic sampling issues
- High level scoping for next phase
 - Assess “unknown” load in Barker Road to Trent Avenue reach
 - Assess wet weather contribution
 - Assess potential Greene St. to Spokane gage source?



Closure of Synoptic Sampling Issues

- Document consideration of wet weather loads
- Finalize addition of Greene St. reach
- Update Nine Mile flows
- Conduct sensitivity analysis regarding groundwater flow assumptions
- Provide summary data output for each sampling location



High Level Scoping for Next Phase

- Premature to dive directly into a study plan prior to assessing available data
- High level scoping recommended as first step
 - Conduct data mining
 - Assess data needs
 - Propose monitoring alternatives
 - Prepare scope of work for monitoring



High Level Scoping: Unknown Load in Barker to Trent Reach

- Data mining
 - Use synoptic data (homologues) to identify approximate "fingerprint" for unidentified source
 - Get hydrologic information on groundwater area that recharges this river segment
 - Inventory wells (production and monitoring) and the screened intervals in the identified area
 - Collect any congener data available in the identified wells



High Level Scoping: Unknown Load in Barker to Trent Reach

- Determine what groundwater sampling may be needed to fill in gaps
- Develop monitoring alternatives
- Prepare scope of work for sampling



High Level Scoping: Assess Wet Weather Contribution

- Data mining
 - Identify stormwater discharge locations/river reaches receiving direct stormwater discharge
- Review existing monitoring data
 - PCB concentrations (and variability)
 - Stormwater flow (and variability)
 - Joint distribution of wet weather events and stream flows



High Level Scoping: Assess Wet Weather Contribution

- Determine what wet weather sampling may be needed to fill in gaps
- Assess feasibility of obtaining useful results
- Assess viability of alternate sampling methodologies
- Develop monitoring alternatives
- Prepare scope of work for sampling



High Level Scoping: Greene St. to Spokane Gage Source?

- Mass balance modeling with assumed Greene St. flows identified potential additional unknown source between Greene St. and Spokane gage
 - Not absolutely confirmed yet
- If final model indicates an additional source is likely, develop scope of work for assessing it



Costs and Schedule

Task	Cost	Completion Date
Closure of synoptic sampling issues	\$10k	April
High level scoping of “unknown” load in Barker Road to Trent Avenue reach	\$15k	May
High level scoping of wet weather contribution	\$15k	May
High level scoping of potential Greene St. to Spokane gage source?	\$0 (up to \$5k)*	May

*May turn out insignificant, may choose to defer

