# Activities Needed to Complete Synoptic Sampling Assessment and Report

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| **Item** | **Purpose** | **Assigned to** | **Timeframe** |
| Flow: 9-Mile Falls | Check flows at SR1 using Avista flow data for Nine Mile Falls to improve/check mass balance assumptions for flow | LimnoTech, Avista | February 2015 |
| Flows: SR-9 (Green Acres) |  |  |  |
| Flows: Green Street[[1]](#footnote-1) - Consider analysis to synthesize flows per Gravity proposal | Improve Mass Balance Assessment | LimnoTech |  |
| Engage Ecology hydrogeologist to review groundwater recharge and discharge implications from synoptic sampling |  | Ecology |  |
| Determine whether J-flag data should be included in total PCB |  | TTWG | February 2015 |
| Determine blank correction protocol and strive for consistency amongst SRRTTF members who collect data |  | TTWG | February 2015? |
| Assess loss of PCB mass via evaporation | Improve Mass Balance Assessment | LimnoTech | February 2015 |
| Investigate the lower than assumed concentrations of PCB in stormwater from City of Spokane | To understand how does this impact the Mass Balance | LimnoTech | ? |
| Seasonal Sampling at Lake Coeur d’Alene |  | TTWG to make formal recommendation | Delay due to low snowpack? |
| Assess potential impact of stormwater flow and load during the rain event. Use City of Spokane CSO data to check assumptions. Incorporate CSO loadings if necessary. Assess whether stormwater loads could explain the outliers in the data. Assess potential load from Latah Creek. (Note, change in flow was observed at mouth of Latah Creek during sampling) | Determine whether dry weather assumptions are valid, determine whether some PCB load was delivered as a result of a rain event | LimnoTech, City of Spokane | February 2015 |
| ??Question about dissolved vs particulate Phase. Consider relationship between TSS, TDS, DOC and TOC field measurements |  |  |  |
| Congener Analysis (congeners, homologs or Arochlors) from Synoptic Sampling. What do they suggest about source, air deposition, etc? What do they suggest about future focus and analysis? | Break down total PCB numbers to better understand nature of sources | LimnoTech | Analysis as part of current report ?? |
| Examine the assumptions regarding groundwater concentrations by reach | Improve Mass Balance Assessment | LimnoTech |  |

# Actions for Next Phase of Work (from Day 2 of Workshop)—*yellow denotes high priority*

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| **Item** | **Purpose** | **Assigned to** | **Timeframe** |
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| Data Management Workshop – to determine system for managing all data | Ensure consistency of data management | TTWG |  |
| Barker Road – Trent Avenue Bridge (Valley): Identification of “upgradient” sources | Identify groundwater sources and reductions, develop action plans and Best Management Practices. | LimnoTech |  |
| Wet weather sampling: Complete Mass Balance equation for wet weather conditions (includes loading assessment from Little Spokane River and Latah Creek) | Identify stormwater sources and reductions, develop action plans and Best Management Practices. | LimnoTech |  |
| Flows: Green Street | Improve Mass Balance Assessment | LimnoTech | ? |
| Flows: Lake CdA outlet for future measurements | Improve understanding of flow and PCB load entering Spokane River system | ? |  |
| Upstream Tracking and lateral sources | Identify sources (what type?) | Urban Waters? ECY? |  |
| Seasonal Sampling at Lake Coeur d’Alene |  |  | Delay due to low snowpack? |
| Sediment Sampling |  |  |  |
| Data Mining: Congeners Analysis (PMF) | Better understand nature of sources, identify reductions, develop action plans and Best Management Practices |  | Wait until data set is large enough |
| Assess known contaminated sites and determine whether they match up with loads. Use Data mining |  |  |  |
| Compile all data sources |  |  |  |
| Atmospheric deposition |  |  |  |

## Other Topics

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| **Item** | **Purpose** | **Assigned to** | **Timeframe** |
| Idea of planting clean fish & tracking for 5 years |  |  |  |
| Staying in touch with like-minded efforts (e.g. Duwamish staff from City of Seattle, King County) on various topics | Identify stormwater sources and reductions, develop action plans and Best Management Practices. |  |  |
| Follow up   * Sediment and “other samples” collected in past two years * City of Spokane Catch-basin samples to identify localized PCB levels and stormwater | Improve Mass Balance Assessment | Ecology, City of Spokane | Lake CdA for future measurements |
| Data mining (general) | Identify sources (what type?) |  |  |
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| **Item** | **Purpose** | **Assigned to** | **Timeframe** |
| Blank correction (e.g. for groundwater (GW) samples in GW sampling QAPP) | Document blank correction procedures for ongoing data consistency. Consider multiple procedures that can be used based on the management question that is being asked. |  |  |
| Q from workshop: should “J-flagged” data be included in analysis? | Document use of “J-flagged” data for ongoing consistency. |  |  |
| Q’s from previous data management conversations:  Data repository criteria with respect to data integrity, documentation, public access, archival requirements (original reports and case narratives, etc.)  What characteristics are the group looking for in a database?  What goals do we want to accomplish, and what kind of data will we generate?  (EIM is pretty powerful, free, and you can self-upload docs to it. Doesn’t have calculation methods in it—not necessarily a detriment.).  GOAL to recommend a data repository to TF; maybe have 1-3 people look at it in detail to find what’s out there that meets these criteria.  Q’s: short-term v. long-term, do we want a contractor to manage it? |  |  |  |

## Data

## Management Topics (in no particular order)

1. Green Street flows could be included under current project activities or be included in a new scope of work [↑](#footnote-ref-1)