



SRRTTF
Tech Track Work Group Meeting
Wednesday March 31, 2021; 1:00 – 3:00 pm Pacific Time

Meeting Summary

Meeting Materials–

- **Powerpoint Presentation – Cosine Similarity Analysis of PCBs Present in Biofilm and Stormwater Samples from Sites in the Mission Reach, Amelia Drake (PSU). Posted on SRRTTF website**
- **Overview of Results – Combined fish and water column sampling – fall 2020 (Dave Dilks, LimnoTech) – Posted on SRRTTF website.**
- **Straw Poll ranking of TTWG projects. Posted on SRRTTF website**

Attendees

Jeremy Schmidt, WA Department of Ecology
Karl Rains, WA Department of Ecology
Lisa Dally Wilson, Dally Environmental, SRSP
Dave Dilks, LimnoTech
Alyssa Gersdorff, City of Post Falls
Ben Floyd, White Bluffs
Robert Mott
Brandee Era-Miller, WA Dept of Ecology
Gary Jones
Monica Ott, Avista

Brian Nickel, USEPA
Logan Callen, City of Spokane
Tom Agnew, LLSWD
Mike Anderson, City of Coeur d’Alene
Rob Lindsay, Spokane County
Mike Hermanson, Spokane County
Mike Coster, City of Spokane
Amelia Drake, Portland State University
Ben Brattebo, Spokane County

Note – action items in red

Summary Notes

- Welcome, Introductions, Purpose of Meeting, Expected Outcomes
- Cosine Similarity Analysis of PCBs Present in Biofilm and Stormwater Samples from Sites in the Mission Reach (Amelia Drake, Portland State University) - Amelia provided an overview of the cosine similarity analysis between 2018 biofilm sample results and older TMDL and Urban Waters stormwater data in the Mission Reach. It was confirmed that no more current stormwater PCB data have been collected in the Mission Reach.
- Overview of Results – Combined fish and water column sampling – fall 2020 (Dave Dilks, LimnoTech) – Dave Dilks provided an overview of the results from fish and water column sampling in fall of 2020. The data have not yet been QA/QC’d. The preliminary fish and water column results also showed Mission Reach to have the highest concentrations of PCBs, both in fish and in the water column. Dave discussed Gravity’s observation that

there are a number of ‘things’ buried in the bank in the vicinity of the NoLi Brewery, and more generally, along the reach. They appeared to be electrical related materials. Monica Ott mentioned that Avista occasionally needs to drawdown above the upper dam. This could be an opportunity to survey the bank for materials.

- Straw Poll Ranking TTWG projects for SRRTTF implementation

A tiered ranking resulting from responses to the TTWG project survey was presented. It was noted that, given Gravity’s observation of buried debris in the bank in the Mission Reach, the sub-bottom detection survey project might be modified to be some other type of survey and may be elevated in rank. It was emphasized that:

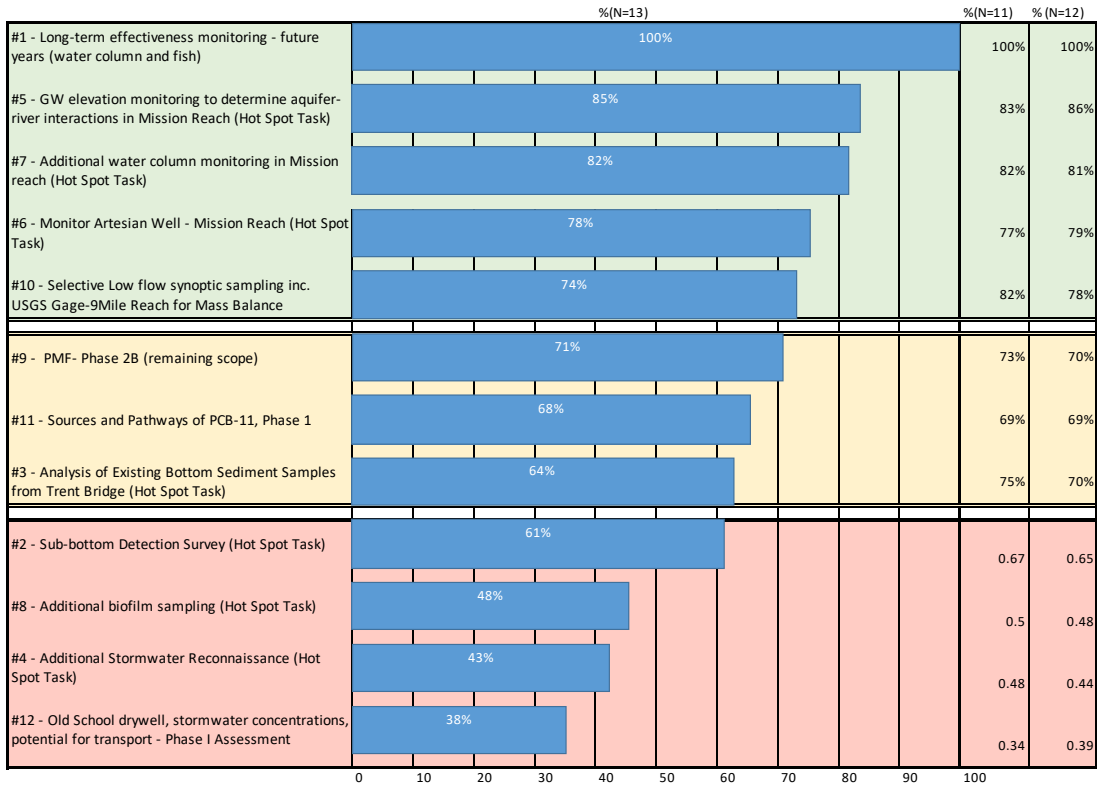
- These rankings are to be used as a guide in choosing projects for implementation.
- Rankings are based on Task Force members’ current state of knowledge. New or updated information may change the importance of a specific project.
- Projects generally fell into three tiers (high, medium, low).
- The ranking of a project should not impact the Task Force’s willingness to pursue specific grant opportunities that target projects that are lower on the list.
- Ranking or project importance will be re-evaluated on an ongoing basis.

Ben Floyd suggested that if full TF funding as requested (2M for the biennium) comes through, all the projects could be supported. The TTWG discussed the fact that the lower priority projects may not be ones the group wants to support with the funding, and that other followup work to the high priority projects could be preferable. Ben requested that David Dilks from LimnoTech provide a schedule showing the timing of the projects listed in the project tiers so that the TF could be ready to implement with 2021-2023 biennial funding in July.

The projects that the TTWG discussed and the relative ranking will be provided as a recommendation to the full SRRTTF at their April 28th meeting. These projects will be evaluated along with projects proposed by other workgroups.

The numerical results of the project survey and the estimated costs of projects are shown on the next two pages.

Results of Tiered TTWG Ranking



Estimated Cost Associated with Projects in Survey

	Task	Status	Cost Estimate
1	Long-term Effectiveness Monitoring – future years	Underway – needs funding in future years	Fish: \$65k/yr Water: \$135k/yr
	Hot Spot Source Identification (See below)	See Options Below	
	<ul style="list-style-type: none"> • Sampling of Artificial Bottom Fill Material 	Underway	
2	<ul style="list-style-type: none"> • Sub-Bottom Object Detection Survey 	Pending future prioritization	\$20k
3	<ul style="list-style-type: none"> • Analysis of Existing Bottom Sediment Samples from Trent Bridge, other 	Pending future prioritization	\$5k
4	<ul style="list-style-type: none"> • Additional Stormwater Reconnaissance 	Pending future prioritization	Negligible
	<ul style="list-style-type: none"> • Near-bank Temperature Monitoring 	Completed	
5	<ul style="list-style-type: none"> • Groundwater elevation monitoring to determine periods of groundwater inflow – Mission Reach near Basalt – SVRPA interface 	Pending future prioritization	?
6	<ul style="list-style-type: none"> • Monitor Artesian Well – Mission Reach 		\$10k
	<ul style="list-style-type: none"> • Deeper dive into the origin of fill material 	Currently measuring PCBs in brick and rock in Mission, <i>wait on this this task</i>	\$20
7	<ul style="list-style-type: none"> • Additional water column monitoring near hot spot– Mission Reach 	Pending future prioritization	\$50k
8	<ul style="list-style-type: none"> • Additional biofilm sampling 	Pending future prioritization	\$50-90k
	Sampling to Define Non-point Load during High River Flows	Pending future prioritization SPMDs at high flow may cover- <i>wait on this task</i>	\$30 - \$50k
9	PMF Phase 2B	Partially funded. Need additional funding	\$15k
10	Selective Low-flow Water Column Synoptic Sampling (including USGS Gage to 9-Mile Reach for Mass Balance)	Pending future prioritization	\$50 - 75k
11	Sources and Pathways of PCB-11: Phase I	Referred from TSCA workgroup, pending future prioritization	\$8k
12	Old School drywell, stormwater concentrations potential for transport – Phase I Assessment	Pending future prioritization	\$10k
	Significance of Groundwater Sources Upgradient of Kaiser	Completed	