

Borgias, Adriane P. (ECY)

From: Donley, Christopher (DFW)
Sent: Tuesday, May 8, 2018 9:15 AM
To: 'Lisa Dally Wilson'; 'Leber, Bud'; 'mott@postfallsidaho.org'; 'chris.moan@avistacorp.com'; 'Brattebo, Ben'; 'Olsen, Catherine'; 'Dave Dilks'; 'Jerry White'; Era-Miller, Brandee (ECY); 'Lindsay, Robert'; 'Doug Krapas'; 'Whitman, Kara Michelle'; 'Page, C'; Lawson, Jan M (DFW); 'bijay@libertylake.org'; Hobbs, William (ECY); Sargeant, Debby (ECY); Wong, Siana (ECY); 'Hermanson, Mike'
Cc: Baldwin, Karin K. (ECY); Borgias, Adriane P. (ECY)
Subject: RE: Fish work group 3/9 meeting recap and next steps

Categories: SRTTF

Looks like we have settled on a date and time for the small working group. [May 16 @ 10 am.](#) Brandee Era-Miller, Dave Dilks, Bud Leber, and Doug Krapas responded to the doodle poll. If you have an interest in attending the small working group meeting but did not have time to fill out the poll, I will send out a conference line out to the group and you are welcome to join in.

From: Donley, Christopher (DFW)
Sent: Tuesday, May 1, 2018 11:09 AM
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Cc: Baldwin, Karin K. (ECY) <KBAL461@ECY.WA.GOV>; Borgias, Adriane P. (ECY) <ABOR461@ECY.WA.GOV>
Subject: Fish work group 3/9 meeting recap and next steps

All,

Great meeting on 3/9 thank you for attending. I will recap our discussion and decisions from this meeting and then look to set up additional meetings for a smaller sampling work group.

Objective 1. Design a study (data/models) that will further our understanding of what is causing the PCB concentrations in fish that we are observing in the river. Determine the source(s) and avenues of exposure so that we can focus future efforts on controls that will likely lead to a reduction in concentrations of PCBs in fish tissue.

Dave Dilks gave a presentation on bioaccumulation modeling and discussed results from the 2012 Serdar modeling work on the Spokane River.

This presentation highlighted that we may be able to use this modeling as a way to more fully understand whether PCB sources in the river are in the water column or in sediments. As a means to trace specific sources in the River it will not be as useful. A more useful method to identify currently unknown PCB sources in sediments or groundwater will be to leverage additional sampling work in cooperation with EAP/Brandee Era-Miller and the bio-film work she will be doing this summer. The group talked about increasing the number of samples Brandee will take this summer and coordinating sampling locations with other sites that are currently used as index areas on the river so that data across different

studies is comparable spatially. I visited with Brandee two weeks ago to get a better understanding of where she is with QAPP development and how a smaller sub group of this group can assist her with developing a finalized QAPP. Below is a timeline and a doodle poll link for those of you that would like to engage in the smaller work group to help formulate the sampling plan and sampling sites for Brandee's work.

1. Mid to Late May – Convene the small work group to help Brandee designate sampling sites for bio-film QAPP.
 - a. See doodle poll below

<https://doodle.com/poll/mh8xs4i38ywbyxgp>

Brandee intends to focus her work on the Mission reach/unknown loading reach of the river with additional sampling to be done at Stateline, above Upriver Dam and somewhere in the lower reach below Monroe Street. Brandee needs some additional guidance from small work group members on sampling sites and defining sample numbers. Included in this is some clarity on how SRRTTF funds can be used to help with sampling?/sampling analysis? Current funding for Brandee could pay for 13 sample sites with the intent of sampling sediments (if sediment is present), bio-film and invertebrates (not sure how these will get processed yet). Based on the conversation from our last meeting, I anticipate that the SRRTTF funds can supplement this sampling effort by adding an additional 7 to 10 sites based on need.

Bud/Lisa/Dave - An immediate question that Brandee needs to understand is what lab does the task force use for analysis so that all samples can be analyzed by the same lab with the same methods.

2. June 27 Draft QAPP submitted to the Task for review – Task force needs to review and comment back to Brandee by Mid July
3. June 27 to early July – SRRTTF work on funding additional sampling effort. **Bud** - I need some guidance on how we set up a way for Brandee or a Lab to be paid for work by the Task Force.
4. Late July – final QAPP completed
5. Late August – QAPP implementation/sampling initiated

Objective 2. We need a yardstick to measure change in fish tissue concentrations over time. Design a monitoring plan that can demonstrate reduction of PCBs in fish tissue – Provide adequate baseline data to detect measurable changes. .

We have time to focus in on this question. We should let this idle until we have gotten a better handle on the first study question and the QAPP from Brandee. Next steps for this question are to fully understand what past sampling has collected from a fish species and spatial distribution perspective. This needs to be compared to the proposed fish tissue sampling increment that EAP will be conducting and then we should focus in on a sampling increment and suite of species that complements EAP's study design and best establishes a yardstick for measuring change in fish tissue concentrations over time. Brandee and the EAP program will again be helpful with this so we will need to engage them in this exercise. My feeling is that we are already putting a large work load on Brandee to accomplish Objective 1 and giving her some time to accomplish that task before moving to this question would seem reasonable. My final thought on this is that we likely would not sample fish until next spring/summer so there is time to get this study design finalized.

Thanks All

CD