TMS 2023 Workshop

5 Dec 2023

Poll results

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- Below is a list of potential challenges that practitioners face when planning monitoring projects. Rank the list from most to least challenging, with the most challenging being first.

- What other significant challenges do you face when planning your monitoring project?

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- Do you agree it would be most helpful to see results for projects sampling multiple media (e.g., water, tissue, sediment) presented by parameter group?

- Are there other plot types or way of presenting the data that you would find helpful to see as a recommendation?

- Are there any elements or additional recommendations that you feel are missing from this outline? Are there any suggestions you feel are so valuable they should be more explicitly identified in the reporting requirements within the terms and conditions?

What other filters would be useful to you?

- Cost estimates per sample type
- Apologies if I missed it, but is general land use category (urban, ag, forestry, mixed use) - or level of urbanization- a category that can be filtered (or is it on the priority list for the future)?
- Link to project results
- Laboratories conducting the smalyses
- This is a great start and looks adaptable going forward.
- A grouping of typical EJ filters that could be turned on/off could be very informative..

- Pacific lamprey conservation initiative RMUs
- species
- fish species

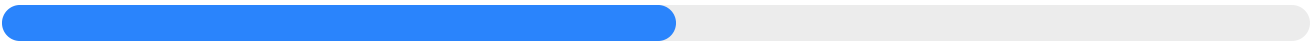## Do you have any other feedback regarding the prototype geospatial tool?

- Link to living document of Laboratories conducting the analyses and estimates of cost per sample for varying types of samples
- a light shading of the Columbia River Basin as a whole- Across 4 states and BC
- Color coded polygons for land use and types of toxins sampled
- Underlying regulatory ne Janis a
- QAPP links are not working
- sources of contamination , industry type, etc?
- watersheds highlights vs.

- reaches sampled
- Identify known point sources?

Below is a list of potential challenges that practitioners face when planning monitoring projects. Rank the list from most to least challenging, with the most challenging being first.

`0` `1` `2`

(1/2)

1. Lab availability

   3.50

2. Underbudgeting / budget constraints

   3.08

3. Choosing labs to process samples

   2.92

4. Choosing analytical methods

   2.50

Below is a list of potential challenges that practitioners face when planning monitoring projects. Rank the list from most to least challenging, with the most challenging being first.

0 1 2

(2/2)

5.   Finding SOPs for collection methods

2.42

What other significant challenges do you face when planning your monitoring project? 0 0 8

- Collection permits in general
- Getting Fish collection permits
- Funding
- picking a lab
- Short hold times and difficulty shipping in time
- expertise around analytical lab details when QAPP writing
- 1) Experience with developing QAPPs and 2) internal project team members having enough time and expertise to dive into the QAPP and provide substantive review comments.

- Shipping. We have had numerous overnight coolers fail to arrive.
- Lab timing, long delays. Funding/budget processes.
- Getting to sites to monitor. Labor is expensive.
- Timing and budgets
- Lab turnaround time

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Do you have tips or lessons learned that you want to share with the group?

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- Establish external contracts asap
- Contact the contract lab early in the project
- sub-contracting takes more time (months) and project hours than budgeted
- Collaboration is key
- If you think you should get a boat for your sampling campaign, do it. Get the boat.

Do you agree it would be most helpful to see results for projects sampling multiple media (e.g., water, tissue, sediment) presented by parameter group?

0 1 3

Yes, I agree

92 %

No, I would prefer to see results separated out for each media type

8 %

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Are there other plot types or way of presenting the data that you would find helpful to see as a recommendation?

- Box and whisker plots.
- Provide results in a geographic

  context

Are there any elements or additional recommendations that you feel are missing from this outline? Are there any suggestions you feel are so valuable they should be more explicitly identified in the reporting requirements within the terms and conditions?

- No.
- Appreciate the additional recommendations for the report.
- No