

## Community Stream Monitoring Survey: Stewardship Group Survey



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Participant ID: \_\_\_\_\_

This is a voluntary survey being conducted by [My name] (Graduate student; Simon Fraser University) as part of her Master's project, in collaboration with Fisheries and Oceans Canada (DFO), as part of their Community Stream Monitoring (CoSMo) pilot project. [Name of supervisor] and [Name of team member] are the primary DFO collaborators involved in the CoSMo project, and (if permitted by interviewees) will have access to interviewee responses. [My] work is supported by the Social Sciences and Humanities Research Council (SSHRC) of Canada, as well as DFO. You are not required to complete the survey and are free to change your mind or request that the answers you provide not be used at any time during or after completion of the survey, prior to the publication of Nikki's thesis. You also have the choice to be identified or remain anonymous in the written component of the thesis.

If you have any questions or concerns about any of the questions, please don't hesitate to ask! Otherwise, please feel free to share as much (or as little) as you like. I sincerely appreciate you taking the time to share your thoughts, opinions, and suggestions.

### Questions

1. In your opinion, what is necessary for a collaboration between a community group and a resource management agency to succeed?

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2. In your opinion, what prevents or hinders successful collaborations between community groups and resource management agencies? (i.e., why do some collaborations fail?)

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3. In your opinion, what are the main challenges when working with resource management agencies? (e.g., DFO, municipal governments, etc.)

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4. a) Rank which freshwater habitat factors/parameters you feel are most important to monitor, and explain why (1=most important, 5=least important).

- Factor: Stream discharge/ flow      Rank: ( )
- Factor: Dissolved oxygen      Rank: ( )
- Factor: Turbidity      Rank: ( )
- Factor: Stream temperature      Rank: ( )
- Factor: pH      Rank: ( )

b) Why do you feel each of these is important to monitor?

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5. Are there any additional factors/ parameters you feel are important to monitor in freshwater habitats? If so, briefly include why you feel these are important.

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6. In your opinion, what are the biggest threats to freshwater habitat in the Lower Mainland, British Columbia (or your region, if outside the Lower Mainland)?

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7. Have you participated in stream monitoring (e.g., conducting spawner surveys, trapping juveniles, taking stream temperatures, measuring habitat characteristics, etc.) as part of a stream steward group? If no, skip to question 24.

- Yes ( )
- No ( )

8. How often/long did you participate in stream monitoring with your stream steward group?

\_\_\_\_\_ times per **week/month/year** (circle one) for \_\_\_\_\_ **weeks/months/years** (circle one)

9. What does your stream steward group currently monitor?

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10. Does your stream steward group have an official data-management plan/protocol? (e.g., describing the purpose of data collection, mandate, process of data collection, etc.)

- Yes, always
- Yes, sometimes
- No

11. How does your stream steward group typically record data?

- By hand
- Digital
- Other  Please explain: \_\_\_\_\_

12. How does your stream steward group store data that you have collected via fieldwork?

- Personal computers or hard drives
- Online platform
- Other

If other, please explain:

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13. How does your stream steward group typically analyze data that you collect?

- The data are not analyzed (i.e., the raw data are stored or entered into a data sheet, but nothing more)
- The data get summarized (e.g., some figures are produced, or values of data added), but no statistical analysis is conducted
- The data are statistically analyzed

14. Who analyzes the data collected by your stream steward group?

- Members of our stream steward group
- An external group (e.g., consulting firm, grad student, etc.)
- Please specify: \_\_\_\_\_

15. Does your stream steward group share data with other people/groups?

Yes

No

16. If data are shared, how does your stream steward group share data with other people/groups?

Raw data available online via a website

Raw data (e.g. hard/paper copies) is shared in person

Data are emailed to other people

Summarized data are available online via a website

The data are not shared

Other

If other, please explain:

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17. a ) Was fieldwork/ data collection training provided to you?

Yes

No

b) If so, who trained you and how was training conducted? (In person, via email, etc.).

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18. a ) In your opinion, is this method of training adequate?

Not at all adequate

Somewhat adequate

Adequate

b) What training method/s do you feel are the most effective? Do you have any thoughts on the training process (e.g., what is needed to improve training)?

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19. a) Did you/ your stream steward group encounter any challenges while monitoring local streams/ collecting environmental data?

- Yes ( )
- No ( )

b) What were they?

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Were they mitigated/ resolved? And if so, how?

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20. a) Does your stream steward group collaborate with any federal, provincial, or municipal government agencies?

- Yes ( )
- No ( )

b) If so, which agency? Briefly describe the collaboration/ roles of each party (e.g., what data/information or resources are exchanged, and what benefits are gained from the collaboration):

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21. How frequently does communication with the agency take place?

\_\_\_\_\_ times per **week/month/year** (circle one)

22. How long has the collaboration been maintained?

\_\_\_\_\_ **weeks/months/years** (circle one)

23. a) Would you describe this collaboration as successful?

- Yes      ( )
- No        ( )

b) Why?

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What worked and what didn't work?

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24. In your opinion, what role does (or should) DFO play in community environmental stewardship collaborations?

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25. a) Are you familiar with the 2005 Wild Salmon Policy and the 2018 Wild Salmon Policy Implementation Plan?

- Yes    ( )
- No    ( )

b) If yes, in your opinion, what role should community environmental steward groups play in the activities mentioned in the Wild Salmon Policy Implementation Plan?

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26. In your opinion, what needs to be done to improve freshwater habitat monitoring collaborations between DFO Science, DFO Management, and community environmental steward groups?

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