

## Appendix 1

### Interview protocol

The purpose of the study was explained to participants, along with confidentiality procedures, and consent was requested.

### Section 1: General questions

For new participants:

- Are you aware of the process to decide what should happen to the Mactaquac Dam when it reaches the end of its life? (Show pictures of the three options if necessary.)
- What do you think should happen to it?
- What are your reasons for that?
- How do you think removing the dam would affect you?
- And rebuilding it?
- Have you read any of the information that New Brunswick Power has published about the decision on the dam?
- Have you participated in any of the consultation activities they've been doing, like the meetings, the online comments, etc.?

For returning participants:

- Have you read any of the information that NB Power has published about the decision on the dam?
- Have you participated in any of the consultation activities they've been doing, like the meetings, the online comments, etc.?
- I'm going to ask you the same question again that I asked you last time: what do you think should happen to the dam?
- What are your reasons for that?

### Section 2: Ecosystem services and place meanings

#### Personal – general

- Now we're going to think about how you use places around the river in your personal life.
- What are the places that you use most or that are particularly important to you on the map? Think about all the seasons as well, not just where you use in summer.
- Can you tell me what you do at place number [x]? And what is it about that place that you like? What's important about it? Are there any other reasons that you go to that place in particular? How often do you go there?
- Now we're going to go through some more specific questions to see if there are any other places you'd like to add. It's ok if some of these questions make you think of places you've already drawn, just point out the number to me. It's also fine if as we're going through the questions you think of a place that answers a previous question – just draw it and then we'll talk about it.

#### Personal – recreation, relaxation and wellbeing

- Are there any other activities that you do or experiences that you have around the river that we've missed?

- What is it about [doing activity/having that experiences] in those particular places that you like? What's important about those places? Are there any other reasons that you go to that place in particular? How often do you go there?

#### Personal – non-use values

- Now I'd like you to think about any other places that you think are important but not because of anything that you directly or personally you get from them (Gould et al., 2015).
- Why are those places important?

#### Personal – identity and social and community connections

- Now if we think about a person's identity, it comes from their relationships, ideas, sense of belonging, and all these shape who they are (Gould et al., 2015; Klain and Chan, 2012).
- Are there any places that are important for your sense of identity? How would you describe the link between that place and your identity (Gould et al., 2015; Klain and Chan, 2012)?

#### Personal – heritage and memories

- Are there places that remind of you of things that happened in the past that were important for you or for your community (Gould et al., 2015; Klain and Chan, 2012)?

#### Personal – intergenerational/bequest

- Are there any places or experiences in and around the river that you hope that your kids or the kids around here will experience in the future (Gould et al., 2015; Klain and Chan, 2012)?
- What is it about those places that you hope they will experience?

#### Personal – provisioning

- I'd like you to think about if you get any physical things, like resources, food or materials from in and around the river in your work or personal life. I mean here things that you're involved in getting for yourself. Your water supply wouldn't count unless you personally are involved in collecting water.
- If you haven't already, can you draw any of the places that you get those things from? What do you get at each place? How often do you go there to get those things?
- Is it important to you to be able to get those things yourself? How?

#### Personal – movement

- Do you use the river to get around? Where do you go? Can you describe the difference between using the river for that and using a different way to get around, like by car? How often do you do that?

#### Regulating – flood control and water quality

- Are there places that you think are important for your environment more generally, like for maintaining water quality, flood control, and soil fertility?