

Appendix 1. Codebook for ecosystem services.

Code	Description	Example quote
Aesthetic value	Appreciation of aesthetics of place - both visual aesthetics and smell. Positive general descriptions of aesthetics ('pretty', 'beautiful'), photogenic places, good views, and factors that contribute to positive aesthetics (running water, open spaces, etc.). Aesthetics given as a reason for people to visit the area and stay there.	'Oh it's such a beautiful spot. Like, it's amazing.'
Bequest value	Ecosystem valued for the long-term future, including both specific ecosystem components and the ecosystem in general.	'Think beyond the four-year term and just think objectively about what's the best decision for the future.'
Boating	Enjoyment of various types of boating (either independently of fishing or for fishing), including the infrastructure needed for boating (marinas, etc.).	'I use the water there every day almost. I took my son out for a boat drive last night.'
Camping	Camping near the river.	'I think people like the fact that it's a province that has a lot of open areas, so for camping... And you can camp by the river.'
Disease regulation	Likelihood of disease transmission, such as disease risk from mosquitoes, affected by ecosystem characteristics.	'There would be mosquitoes and disease [if it were removed].'
Fishing	Recreational fishing of any type, including the infrastructure needed for fishing (marinas used for tournaments, etc.).	'The fishing in the Mactaquac headpond is superb. It's equal to any large lake in Ontario.'
Flood regulation	Flood regulation from ecosystem processes. Role of the dam in flood regulation excluded.	'I just know that in other areas you restore a natural river, a river to its natural flow, you will have an impact that is positive on flooding.'

Food provision	Gathering plants and animals for food, including fish and fiddleheads. Fishing purely for recreation excluded.	'We have unique foods that you can't find in other areas, like our blueberries, our fiddleheads, our salmon.'
Hydropower	Generating power from running water (viewed positively).	'It would be a shame to not have a power dam on a river as large as this, creating electricity that's renewable as long as this river runs.'
Movement/access	Using the ecosystem (standing water) to travel around the area and to get to particular places.	'The headpond's backed up past Woodstock, so you can travel a really long ways too.'
Non-use value	Value attributed to components of the ecosystem, including the ecosystem in general and particular species, despite not being directly used, including general support for environmental management or restoration.	'I like things to be left the way they're supposed to be. I get concerned when I see our environment manipulated.'
Place attachment	Emotional attachments to specific places, including the factors that led people to move to the area and stay there.	'The river is important to those of us who live along it, to New Brunswickers and to Canadians.'
Pollution dilution	Dilution of aquatic pollutants, both in terms of the volume of water and the positioning of specific outfalls.	'And this river is polluted. Can you imagine if there was only a quarter of it?'
Recreation - other	Enjoyment of recreation not otherwise in a category, including swimming and walking.	'Not for boating but for walks. There's nice trails along the river obviously.'
Relaxation	Feeling of relaxation from ecosystem components, whether in combination with one of other activities (e.g. fishing) or not.	'It rocks you to sleep, the feel of the water.'

Social connections	Social connections facilitated by the ecosystem or one of other activities (e.g. fishing)	'We will go out the odd Saturday and Sunday afternoon if it's nice and they want to get together.'
Soil fertility	Fertile soil valued for supporting farming or other activities.	'I suspect that soil and the silt will be very rich in nutrients, and maybe other things.'
Water filtration	Filtration of water through soil, rocks and wetlands to remove pollutants.	'There is some influence to [the groundwater] from the river. It's a percentage but it goes through a lot of rock, or a lot of sandstone and sand before it gets to [the] big wells.'
Water supply	River used for public or private water supply.	'We have a pulp mill [AV Nackawic] that relies heavily on the water level the way it is right now. They have an intake for industrial water.'
Wildlife watching	Enjoyment from watching wildlife.	'It's really important in our old age. We enjoy the animals.'