

Appendix 4

Questionnaires completed before and after the Bayesian decision network results were presented. Twenty owners of large, forested properties (at least 20 ha in total area with at least 4 ha of forest) in Macon County, North Carolina, participated in a structured decision making (SDM) process consisting of two series of workshops with ten landowners each. In each series, landowners evaluated what they can do to their forest to maximize the achievement of their land use objectives. A Bayesian decision network was used to evaluate which decision option was optimal or least-desirable given landowners' objectives, objective weights, and attribute scores and predictions from a model of expected outcomes from each decision option. Landowners completed one questionnaire before results from the decision network were presented to them and one questionnaire after results were presented.

Questionnaire completed before Bayesian decision network results were presented

Which decision option do you think will be best at meeting the objectives?

Do you think other decision options will be almost as good? Which decision options would be close alternatives?

Do you currently use one or more of the decision options we are studying? Which do you use?

If the results indicate that the best decision option is not one of the decision option that you expected, would you consider re-evaluating your preferences for the decision options?

No

Most likely no

Maybe

Most likely yes

Yes

Might the results of our analysis affect how you manage your forest?

No

Most likely no

Maybe

Most likely yes

Yes

Might the results of our analysis lead you to consider discontinuing what you are currently doing to manage your forest?

No

Most likely no

Maybe

Most likely yes

Yes

Might the results of our analysis lead you to consider doing something new to manage your forest?

No

Most likely no

Maybe

Most likely yes

Yes

Questionnaire completed after Bayesian decision network results were presented

Would you be interested in having the decision network personalized for your property and your objectives so that you can evaluate different methods to manage your forest?

(We are not able to personalize them, but we would like to gauge your interest so that, if there is a demand, perhaps someone would be interested in offering this service to landowners.)

No

Most likely no

Maybe

Most likely yes

Yes

Would you pay someone to personalize the decision network for your property and your objectives so that you can evaluate different methods to manage your forest?

No

Yes

If yes, what do you think would be a fair price?

After participating in this project, will you reconsider whether what you are currently doing to manage your forest is the best option for you?

No

Most likely no

Maybe

Most likely yes

Yes

After participating in this project, will you investigate forest management options other than the option you are currently using?

No

Most likely no

Maybe

Most likely yes

Yes

Which forest management options might you investigate?

What was your overall experience of the project?

Very good

Good

OK

Poor

Very poor

How well did you understand the material being presented?

Understood all of the material

Understood most of the material

Understood about half of the material

Did not understand most of the material

Did not understand any of the material

What was the most unclear, confusing, or difficult to understand?

What did you enjoy or benefit from the most?

What did you not enjoy or not benefit from?

Do you have any recommendations for us that would help us with future projects?