

5. How easy or hard is it to understand the effects of blue-green algae blooms on the natural environment? (1=Easy, 7=Hard)

1	2	3	4	5	6	7	Don't Know
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6. How destructive are blue-green algae blooms, in terms of their impact on the natural environment? (1=No destruction, 7= Complete destruction)

1	2	3	4	5	6	7	Don't Know
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7. How well can scientists predict the effects of blue-green algae blooms on the Fernan Lake natural environment? (1=Not Predictable, 7=Very Predictable)

1	2	3	4	5	6	7	Don't Know
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8. How important is each source for your information on Fernan Lake water quality? (1=Not Important, 7=Very Important)

Looking out the window	1	2	3	4	5	6	7
Friends	1	2	3	4	5	6	7
Posted public notices	1	2	3	4	5	6	7
The coffee shop	1	2	3	4	5	6	7
City of Fernan Lake Village	1	2	3	4	5	6	7
Friends of Fernan/Fernan Lake Conservation and Recreation Association and Recreation Assoc.	1	2	3	4	5	6	7
Idaho Department of Environmental Quality	1	2	3	4	5	6	7
Panhandle Health Department	1	2	3	4	5	6	7
Local newspaper/TV/radio	1	2	3	4	5	6	7
Other _____	1	2	3	4	5	6	7

D. Susceptibility
Susceptibility is defined as being vulnerable to harm or at risk for particular threat.

1. How susceptible is Fernan Lake to the impacts of blue-green algae blooms? (1=Not Susceptible, 7=Highly Susceptible)

1	2	3	4	5	6	7	Don't Know
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2. How susceptible are recreation activities to increased blue-green algae bloom activity on Fernan Lake? (1=Not Susceptible, 7=Highly Susceptible)

1	2	3	4	5	6	7	Don't Know
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3. What is the possibility your ability to earn a living will be negatively impacted by increased blue-green algae blooms in Fernan Lake? (1=Not Possible, 7=Highly Possible)

1	2	3	4	5	6	7	Don't Know
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4. How at risk is your community of being impacted by blue-green algae blooms? (1=Not at Risk, 7=Highly at Risk)

1	2	3	4	5	6	7	Don't Know
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E. Self efficacy
Self-efficacy is defined as your ability to effectively produce a desired result.

1. I perceive that in the past five years algae blooms in Fernan Lake are:

1	2	3	4	5	6	7
Increasing			Staying the same			Decreasing

2. If algae blooms increase, I would likely: (1=Not Likely, 7=Likely)

Spend less time at Fernan Lake	1	2	3	4	5	6	7
Become active in efforts to reduce algae blooms	1	2	3	4	5	6	7
Continue my active efforts to reduce algae blooms	1	2	3	4	5	6	7

3. If algae blooms made Fernan Lake problematic for recreation, I would:

1	2	3	4	5	6	7
Continue to live here			Consider moving elsewhere			Definitely move elsewhere

4. If your answer to #3 was 1-2, skip to #6. If it was from 3-7, how easy would it be for you to prepare for your choice? (1=Not Easy, 7=Very Easy)

1	2	3	4	5	6	7	Don't Know
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5. How economically capable are you to cover or recover from your choice in #3? (1=Not Capable, 7=Highly Capable)

1	2	3	4	5	6	7	Don't Know
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6. How well does Fernan Lake adapt to blue-green algae blooms (that is, how well does the lake maintain its health and productivity)? (1=Not at all Adaptable, 7=Very Adaptable)

1	2	3	4	5	6	7	Don't Know
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F. Risk

1. Generally, how “risky” do you think blue-green algae blooms are in terms of their effects on the health of Fernan Lake? (1=Poses no risk, 7=Poses great risk)

1	2	3	4	5	6	7	Don't Know
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2. How relevant is the risk of blue-green algae blooms to your life in terms of their effects on Fernan Lake? (1=No Relevance, 7=Very Relevant)

1	2	3	4	5	6	7	Don't Know
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3. Do blue-green algae blooms produce benefits for society or Fernan Lake? (1=No Benefits, 7=Many Benefits)

1	2	3	4	5	6	7	Don't Know
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4. To what extent do blue-green algae blooms pose a threat to human health? (1=No Threat, 7=Great Threat)

1	2	3	4	5	6	7	Don't Know
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5. How much do you feel that reducing the algae blooms in Fernan Lake is your responsibility? (1=Not my responsibility, 7=Very much my responsibility)

1	2	3	4	5	6	7	Don't Know
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6. Who do you look to for leadership in reducing algae blooms in Fernan Lake? (Circle all that apply)

a. Idaho Department of Environmental Quality
b. Panhandle Health District
c. City of Fernan Lake Village
d. City of Coeur d’Alene
e. Friends of Fernan/Fernan Lake Conservation and Recreation Association
f. Kootenai County Commissioner
g. Kootenai Environmental Alliance
h. Neighbors
i. Others _____

7. Who else should be responsible for reducing algae blooms in Fernan Lake?

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8. To reduce algae blooms in Fernan Lake, I would support:

1	2	3	4	5	6	7
Regulations that affected existing developments			Voluntary approaches only		Regulations that affected future development	

G. Timeline of Outcomes

1. How soon would blue-green algae blooms affect your use or enjoyment of Fernan Lake? (1=Immediately, 7=Far in the future)

1	2	3	4	5	6	7	Don't Know
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2. How long do you think it will be before your livelihood or property is damaged by increasing blue-green algae blooms? (1=Very Long, 7=Not Long)

1	2	3	4	5	6	7	Don't Know
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3. How long are impacts from blue-green algae blooms likely to last on Fernan Lake’s natural environment? (1=Short-term, 7=Long-term)

1	2	3	4	5	6	7	Don't Know
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4. How often do you think about preparing for the possibility of an increase in blue-green algae blooms? (1=Never, 7=Very Often)

1	2	3	4	5	6	7	Don't Know
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5. How much do you care about blue-green algae blooms? (1=Not Much, 7=Very Much)

1	2	3	4	5	6	7
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H. Demographics

1. My annual household income is:

a. Less than \$20,000	b. \$20,000-\$39,000	c. \$40,000-\$60,000	d. More than \$60,000
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2. Gender:

Female	Male
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3. In what year were you born?

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Is there anything else you would like to tell us?

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Please place completed survey in the enclosed self-addressed stamped envelope for return to the University of Idaho. Results of this survey will be posted on our project website at www.idahoecosystems.org upon completion of analysis. If you would like notification of results availability please include your email or street address here_____

We thank you for your participation!

Fernan Lake Risk Assessment Questions
(Please circle your answers)

A. Residency

1. How long have you lived in the Fernan Lake watershed?

a. 0-5 years	b. 6-10 years	c. More than 10 years
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B. Ecosystem Services

1. Rank the importance of each of the following as to why you chose to live here: (1=Not Important, 7=Very Important)

Employment	1	2	3	4	5	6	7
Community	1	2	3	4	5	6	7
Recreation opportunity	1	2	3	4	5	6	7
Lake views	1	2	3	4	5	6	7
Forest access	1	2	3	4	5	6	7
Other_____	1	2	3	4	5	6	7

2. From your perspective, what are “ecosystem services”?

a. City utilities
b. Things that the natural world gives us
c. Both “a” and “b”
d. Don't know
e. Other_____

3. Please rank the following statements (1=Not Important, 7=Very Important):

Swimming in Fernan Lake is important to my quality of life	1	2	3	4	5	6	7
Boating on Fernan Lake is important to my quality of life	1	2	3	4	5	6	7
Fishing in Fernan Lake is important to my quality of life	1	2	3	4	5	6	7
Recreation opportunities are important to my quality of life	1	2	3	4	5	6	7

4. My use of Fernan Lake for recreation in the past five years has:

1	2	3	4	5	6	7
Increased	Stayed the same				Decreased	

5. My recreation use of Fernan Lake is affected most by:

a. Personal choices	b. Fernan Lake water quality
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C. Knowledge

1. How much do you know about blue-green algae blooms and related impacts? (1=No Knowledge, 7= Great Knowledge)

1	2	3	4	5	6	7
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2. Cyanobacteria is present in:

a. All blue-green algae blooms	b. Most blue-green algae blooms
c. A few blue-green algae blooms	d. Don't know

3. What kinds of impacts do blue-green algae blooms cause?

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4. What is your perception of how often blue-green algae blooms occur in Fernan Lake?

Never	Once a year	Two to five times a year	More than five times a year	Don't know
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