

Supplementary File: Questionnaire and Interview Questions

Online Questionnaire

1. Please tell us more about your scientific background: (select all that apply).
 - I don't have much formal background in science
 - I took science courses in college
 - I majored in a science-related field as an undergraduate
 - I've done graduate work in a science-related field
 - I've worked as a science technician
 - Other [WRITE-IN RESPONSE]

2. Please elaborate on your choice above: (i.e. what was your science-related major, past science related jobs you have held, etc.). [WRITE-IN RESPONSE]

3. Which of the following influenced your decision to participate in the project? (select all that apply).
 - Other members of my instructor team wanted to participate
 - I thought it would enhance my Environmental Studies curriculum in the field
 - I thought it sounded interesting when I heard about it in person
 - I like science
 - I wanted to help out the conservation effort behind the project
 - I wanted to learn more about the ecosystem/landscape
 - I wanted to contribute to scientific research
 - Other [WRITE-IN RESPONSE]

4. How confident did you feel about your own ability to collect accurate data on the Clark's nutcracker and their habitat? (select one choice from the following).
 - Not at all confident
 - Somewhat confident
 - Confident
 - Extremely Confident
 - Other [WRITE-IN RESPONSE]

5. How confident did you feel in your students' ability to collect accurate data on the Clark's nutcracker and their habitat? (select one choice from the following).
 - Not at all confident
 - Somewhat confident
 - Confident
 - Extremely Confident
 - Other [WRITE-IN RESPONSE]

6. Do you have any specific feedback about how to improve training to help instructors (and their students) feel more confident about data collection? [WRITE-IN RESPONSE]

7. Please describe how this project influenced your Environmental Studies curriculum on course. [WRITE-IN RESPONSE]
8. Based on your experience with this project, what role do you think citizen science could play in teaching wilderness stewardship? [WRITE-IN RESPONSE]
9. Please describe your likelihood of participating in this project in the future? (select one choice from the following).
 - Not at all likely
 - Not very likely
 - Somewhat likely
 - Very likely
10. Why or why not? [WRITE-IN RESPONSE]
11. What, if anything, would you change about this project? [WRITE-IN RESPONSE]
12. What, if anything, would you keep the same about this project? [WRITE-IN RESPONSE]
13. Additional feedback (Please share anything else that stood out about your experience with this project—your thoughts, ideas, and concerns are very important to the future of this project.) [WRITE-IN RESPONSE]:

Instructor Interview Questions

Background:

- Have you participated in a citizen science project previously?

Motivations:

- Why did you decide to participate in this project?

Current Project:

- What did find beneficial about this project?
- What were the drawbacks/logistical challenges to this project?
- In your opinion, what specific aspects of this project engaged your students?
- What aspects of this project did you and/or your students struggle with?
- How did this project affect the flow and progression of your course?
- How did this project affect the student experience on course?
- In hindsight, would you say this project is more of a tool or more of a task?
- Would you participate in this project again in the future? Why or why not?

Attitudes towards citizen science:

- What in your opinion is the connection between citizen science and stewardship, if any?
- Would you participate in a different citizen science project in the future as an instructor?
How about on your own personal time?
- Do you think citizen science is relevant to the mission of your organization? Why or why not?

Administrator Interview Questions

Background:

- Have you personally been involved in a citizen science project previously?

Current Project:

- What feedback are you getting from students/instructors about this project?
- What did you find beneficial about this project, if anything?
- What do you find beneficial about citizen science in general, if anything?
- In your perspective, what are the drawbacks/obstacles to this project? And to citizen science at NOLS in general?
- Would you want NOLS to participate in this project again in the future? Why or why not?
- What might you change if NOLS engaged in this project again?
- What would you keep the same if NOLS engaged in this project again?

Attitudes towards citizen science:

- What in your opinion is the connection between citizen science and stewardship, if any?
- What might be your goals for future citizen science projects within your organization?
- Do you think citizen science is important to the mission of your organization? Why or why not?