

National Park Service/National Geographic Society 2015 BioBlitz

Hawai'i Volcanoes National Park

Teacher Survey

INSERT PHOTO OF PARK HERE

About this Questionnaire

The National Park Service seeks your help to improve school programs associated with BioBlitzes in parks. The purpose of this survey is to learn about your experiences related to your classroom's involvement with BioBlitz activities and materials.

It will take about 25 minutes to complete this questionnaire. We are asking that you return your and your students' completed questionnaires one week after receiving the invitation letter and packet. The questionnaire has an identification number that will be used to indicate that you've completed the survey process and you will not receive any additional follow-up materials from us. Please do not put your name or school name anywhere on this questionnaire.. We appreciate your prompt response.

Thank you for your help improving school programs at parks!



PAPERWORK REDUCTION ACT STATEMENT: The National Park Service is authorized by 16 U.S.C. 1a-7 to collect this information. This information will be used by park managers to better understand the teacher's participation in the BioBlitz at Hawai'i Volcanoes National Park. Your response to this request is voluntary. The data collected will remain anonymous and there will be no way to connect you to the responses you provide. No action may be taken against you for refusing to supply the information requested. According to the Paperwork Reduction Act a federal agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

BURDEN ESTIMATE STATEMENT: The public reporting time for this survey averages 25 minutes per response. Please direct comments regarding the burden estimate or any other aspect of this collection to Kirsten Leong, Human Dimensions Program Manager, 1201 Oakridge Drive, Suite 200, Fort Collins, CO 80525, or at: kirsten_leong@nps.gov (email).

Note to reviewers: We are asking the teachers to create a unique code so that we can anonymously match pre- and post-surveys to each individual respondent..

1. We would like to match the code you provided in your pre-BioBlitz survey with that same information you provide here. This code will only be used to provide us with an anonymous way to match your pre-and post-BioBlitz responses.

Please provide the following information:

Please provide the following information:

- last two digits of your phone number
- first two digits of your home address
- two digit day of your birthday

___ / ___ / ___

Section A: BioBlitz involvement

2. For each statement below, please circle the number that best reflects how you would **rate your experience with the species inventories** at the BioBlitz at Hawai'i Volcanoes National Park.

	Poor	Satisfactory	Excellent	Did not
Opportunities to interact with scientists in the field	1	2	3	0
Opportunities to interact with traditional cultural practitioners	1	2	3	0
Opportunities to engage in science in the field	1	2	3	0
Using iNaturalist to submit species observations	1	2	3	0

3. For each statement below, please circle the number that best reflects how you would **rate your experience with the Biodiversity Festival** at the BioBlitz at Hawai'i Volcanoes National Park.

	Poor	Satisfactory	Excellent	Did not
Opening and/or closing ceremonies	1	2	3	0
Entertainment (e.g., singers, dancing)	1	2	3	0
Arts and cultural activities (e.g., drawing, photography, cooking demonstration, poetry, writing)	1	2	3	0
Youth Ambassador presentations and/or interactions	1	2	3	0
Scientist presentations/talks	1	2	3	0
Opportunities to interact with scientists at work in the Science Tent (e.g., identification of specimens, data entry)	1	2	3	0
Opportunities to engage in science at the Science Tent	1	2	3	0
On-site materials for students	1	2	3	0

Interactive booth activities	1	2	3	0
Information provided at booths	1	2	3	0
Opportunity to Earn Biodiversity University degrees	1	2	3	0
Availability of social media (e.g., blogging, Facebook)	1	2	3	0

4. Please explain a few of the experiences that were especially meaningful to you. _____

5. If you rated any of the items in Questions 2 or 3 as “poor,” please explain why. _____

6. For each item below, please circle the number that best reflects your experience related to **BioBlitz planning and logistics**.

	Poor	Satisfactory	Excellent	Did not respond
Scheduling of events	1	2	3	0
Transportation to event sites	1	2	3	0
Availability of drinking water	1	2	3	0
Availability of bathrooms	1	2	3	0
Provisions for:				
Overall visitor safety	1	2	3	0
Dehydration	1	2	3	0
Sunburn	1	2	3	0
Heat stress	1	2	3	0
Elevation sickness	1	2	3	0
Stinging plants and insects	1	2	3	0
Minor first aid	1	2	3	0
Assistance provided by NPS staff	1	2	3	0
Assistance provided by volunteers	1	2	3	0
Expertise of scientists, naturalists, and technical staff	1	2	3	0
Promotional material from [insert park name] and/or the National Geographic Society	1	2	3	0
Clarity of required waivers (e.g., for photos, permission slip, survey permissions, etc.)	1	2	3	0

Information for planning and scheduling	1	2	3	0
Information concerning safety risks	1	2	3	0
Information on wildlife handling	1	2	3	0
NPS/NGS sponsorships to help defray the cost of participation	1	2	3	0
NPS staff follow-up after the BioBlitz seeking my evaluation of the event	1	2	3	0

7. If you rated any of the items in Question 6 as “poor,” please explain why. _____

8. For each item below, please indicate your evaluation of the **educational materials and support** provided before and after the BioBlitz at Hawai’i Volcanoes National Park.

	Poor	Satisfactory	Excellent	Did not participate
Pre-trip lesson plans from NPS	1	2	3	0
Pre-trip professional development (workshop)	1	2	3	0
Online educational resources at [program website]	1	2	3	0
Pre-trip interactions with BioBlitz and park staff	1	2	3	0
Post-trip lesson plans from NPS	1	2	3	0
Post-trip interactions with Hawai’i Volcanoes National Park staff	1	2	3	0
Lesson plans from the National Geographic Society	1	2	3	0
Electronic field trip	1	2	3	0
Congruency between the BioBlitz program content and my students’ curriculum	1	2	3	0
Park Ranger classroom visit	1	2	3	0

9. If you rated any of the items in Question 8 as “poor,” please explain why. _____

10. Below are a list of reasons that may underlie your participation in the BioBlitz at Hawai’i Volcanoes National Park.

Please indicate how effective BioBlitz was at achieving each of the items below.

Very effective	Effective	Not effective	Not applicable
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Engaging my students in something I think is important	1	2	3	0
Engaging my students in activities that improve society	1	2	3	0
Making professional contacts	1	2	3	0
Engaging my students in scientific research	1	2	3	0
Satisfying my school's teaching requirements	1	2	3	0
Involving my students in the conservation of nature	1	2	3	0
Exposing my students to new things	1	2	3	0
Supporting the park	1	2	3	0
Having my students experience biodiversity and biological interactions	1	2	3	0
Giving my students an opportunity to interact with National Park Service staff	1	2	3	0
Giving my students an opportunity to interact with professional scientists	1	2	3	0
Giving my students an opportunity to interact with traditional cultural practitioners	1	2	3	0
Exposing my students to the wonders of nature	1	2	3	0
Incorporating interactive activities into my classroom curriculum	1	2	3	0
Advancing my career	1	2	3	0
Helping my students better understand their local environment	1	2	3	0
Helping my students develop a deeper appreciation for their local environment	1	2	3	0
Meeting state/national education standards	1	2	3	0
Involving students in hands-on learning experiences	1	2	3	0
Other:	1	2	3	0

11. If you rated any of the items in Question 10 as "Not effective," please explain why. _____

12. Please circle the number that best represents your level of agreement with each statement below.

	Strongly Disagree	Disagree	Neither Agree or Disagree	Agree	Strongly Agree
My participation in the BioBlitz at Hawai'i Volcanoes National Park ...					
increased my likelihood of bringing future classes to a national park again	1	2	3	4	5
contributed to the scientific knowledge base of [insert park name]	1	2	3	4	5
increased my likelihood of using parks to teach biology	1	2	3	4	5
was a good use of my teaching time	1	2	3	4	5

was a good teaching tool	1	2	3	4	5
allowed my class to experience Hawai'i Volcanoes National Park for the first time	1	2	3	4	5

13. If you indicated "disagree" or "strongly disagree" with any of the statements listed above, please explain why. _____

Section B: Reflective Statements

14. Please tell us how you think your students would answer these questions about **importance of nature, its protection, and understanding of science**. Please circle a number that captures your perception about their feelings toward each statement.

In general, my students...

	TODAY					BEFORE BIOBLITZ				
	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
...are comfortable spending time in nature/outdoors	1	2	3	4	5	1	2	3	4	5
...have a good understanding of the relationships between plants, animals, and the environment	1	2	3	4	5	1	2	3	4	5
...think that biodiversity is important to people	1	2	3	4	5	1	2	3	4	5
...understand the role of smaller organisms such as invertebrates and microorganisms in an ecosystem	1	2	3	4	5	1	2	3	4	5
...understand how biodiversity affects cultural beliefs	1	2	3	4	5	1	2	3	4	5
...are fascinated by natural science	1	2	3	4	5	1	2	3	4	5
...think scientific work in a national park is important	1	2	3	4	5	1	2	3	4	5
...can use all their senses (sight, hearing, touch, taste, smell) to understand the world around them	1	2	3	4	5	1	2	3	4	5
...are good at asking science questions	1	2	3	4	5	1	2	3	4	5
...try to find the time to make a positive conservation difference in their community	1	2	3	4	5	1	2	3	4	5
...would participate in other activities to protect plants and animals at Hawai'i Volcanoes National Park	1	2	3	4	5	1	2	3	4	5

...would consider a career with the National Park Service to protect plants and animals	1	2	3	4	5	1	2	3	4	5
...think it is important to protect the environment	1	2	3	4	5	1	2	3	4	5

15. Was the BioBlitz especially meaningful for any of your students? If so, please explain or provide an example. _____

Section C: Classroom Integration

16. How effective was the workshop in preparing you for BioBlitz? What else would you have liked to know in advance? _____

17. What else did you need to fully prepare your students for the BioBlitz? _____

18. Of the activities you learned at your workshop, which did you use with your students?

	Was very effective	Was somewhat effective	Was not at all effective	N/A (Did not use)
Activity 1	•	•	•	•
Activity 2	•	•	•	•
Activity 3	•	•	•	•
Activity 4	•	•	•	•
Activity 5	•	•	•	•

19. Is there anything you would like to tell us about the activities? _____

20. In addition to the activities we gave you, what else did you do to help prepare your students for BioBlitz?

21. How did you introduce the concept of biodiversity prior to BioBlitz? _____

22. How did you introduce traditional ecological knowledge to your students? _____

Section D: Information About You

23. Please indicate the highest level of education you have completed. Please mark only one.

1. Some high school
2. High school diploma/GED
3. Some college
4. Bachelor's degree
5. Graduate degree

24. How many students attended BioBlitz with you? _____

25. If you have any other comments about the BioBlitz at Hawai'i Volcanoes National Park, please feel to write them below.

THANK YOU FOR YOUR TIME AND INPUT