

## National Park Service/National Geographic Society 2015 BioBlitz

### Hawai'i Volcanoes National Park

#### Student 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 involvement with BioBlitz activities and materials. It will take about 17 minutes to complete this questionnaire.

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 student's participation in the 2015 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 17 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](mailto:kirsten_leong@nps.gov) (email).

**Section A: BioBlitz Involvement**

We would like to know about your **experiences at the BioBlitz at Hawai'i Volcanoes National Park and your past participation in other BioBlitzes.**

1. How did you **first** hear about the BioBlitz at Hawai'i Volcanoes National Park? \_\_\_\_\_  
 \_\_\_\_\_

2. Have you participated in other BioBlitzes before the one at Hawai'i Volcanoes National Park (including at your school or a local park)? Circle Yes or No.

    No      
    Yes     If yes, how many BioBlitzes? \_\_\_\_\_

3. For each statement below, please circle the number that best reflects **how you felt about the BioBlitz at Hawai'i Volcanoes National Park in general.**

|  | Strongly disagree | Disagree | Neither agree nor | Agree | Strongly agree |
|--|-------------------|----------|-------------------|-------|----------------|
| I felt well-prepared for the BioBlitz.                           | 1                 | 2        | 3                 | 4     | 5              |
| I was very excited about going to BioBlitz                       | 1                 | 2        | 3                 | 4     | 5              |
| I had a good time at the BioBlitz                                | 1                 | 2        | 3                 | 4     | 5              |
| I would participate in another BioBlitz                          | 1                 | 2        | 3                 | 4     | 5              |
| I would visit Hawai'i Volcanoes National Park again              | 1                 | 2        | 3                 | 4     | 5              |
| I would tell other kids to participate in a BioBlitz             | 1                 | 2        | 3                 | 4     | 5              |
| I would tell other kids to visit Hawai'i Volcanoes National Park | 1                 | 2        | 3                 | 4     | 5              |

4. What was your favorite part of the BioBlitz? Why was that your favorite part? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

5. What was your least favorite part of the BioBlitz? Why? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

|  | Didn't like it | It was Okay | It was Great | Did not |
|--|----------------|-------------|--------------|---------|
| Working with scientists in the field       | 1              | 2           | 3            | 0       |
| Working with cultural experts in the field | 1              | 2           | 3            | 0       |
| Being able to do science in the field      | 1              | 2           | 3            | 0       |
| Using iNaturalist to submit observations   | 1              | 2           | 3            | 0       |

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

|   | Didn't like it | It was Okay | It was Great | 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 talk to scientists at work in the Science Tent (e.g., identification of specimens, data entry) | 1              | 2           | 3            | 0       |
| Being able to do science in the Science Tent  | 1              | 2           | 3            | 0       |
| Materials I used during BioBlitz  | 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       |

**Section B: Involvement with Hawai'i Volcanoes National Park**

Now we would like to know about your **involvement with Hawai'i Volcanoes National Park**.

8. Had you visited Hawai'i Volcanoes National Park before the BioBlitz?

- \_\_\_\_\_ No  
 \_\_\_\_\_ Yes

If yes, how many times in the last year? \_\_\_\_\_

9. Other than this BioBlitz, have you participated in other presentations or programs at Hawai'i Volcanoes National Park? (*check one*)

- \_\_\_\_\_ No  
 \_\_\_\_\_ Yes

If Yes, please name the presentations or programs: \_\_\_\_\_

10. For each statement below, please circle the number that best reflects **how you feel about Hawai'i Volcanoes National Park in general**.

|  | Strongly Disagree | Disagree | Neither agree nor disagree | Agree | Strongly Agree |
|--|-------------------|----------|----------------------------|-------|----------------|
| Hawai'i Volcanoes National Park is the best place to do the activities that I enjoy                            | 1                 | 2        | 3                          | 4     | 5              |
| I have a lot of good memories of times with family, friends, and classmates in Hawai'i Volcanoes National Park | 1                 | 2        | 3                          | 4     | 5              |
| I love Hawai'i Volcanoes National Park   | 1                 | 2        | 3                          | 4     | 5              |
| I don't feel very comfortable at Hawai'i Volcanoes National Park   | 1                 | 2        | 3                          | 4     | 5              |
| Visiting Hawai'i Volcanoes National Park allows me to spend time with my family, friends, and classmates.      | 1                 | 2        | 3                          | 4     | 5              |
| I would rather go to Hawai'i Volcanoes National Park than any other nearby place                               | 1                 | 2        | 3                          | 4     | 5              |
| Hawai'i Volcanoes National Park is a little scary  | 1                 | 2        | 3                          | 4     | 5              |
| Hawai'i Volcanoes National Park means a lot to me  | 1                 | 2        | 3                          | 4     | 5              |
| I don't like Hawai'i Volcanoes National Park   | 1                 | 2        | 3                          | 4     | 5              |
| Hawai'i Volcanoes National Park is very special  | 1                 | 2        | 3                          | 4     | 5              |

**Section C: Reflective Statements**

Now we would like to know **how your thoughts TODAY might be different from your thoughts BEFORE BIOBLITZ.**

11. Please tell us how comfortable you are **spending time in nature/outdoors.**

Circle the number that best captures how you feel about each statement TODAY, and then circle the number that reflects how you felt BEFORE BioBlitz.

|  | TODAY              |               |                                       |             |                  | BEFORE BIOBLITZ    |               |                                       |             |                  |
|--|--------------------|---------------|---------------------------------------|-------------|------------------|--------------------|---------------|---------------------------------------|-------------|------------------|
|  | Very Uncomfortable | Uncomfortable | Neither Uncomfortable nor Comfortable | Comfortable | Very Comfortable | Very Uncomfortable | Uncomfortable | Neither Uncomfortable nor Comfortable | Comfortable | Very Comfortable |
| Getting itchy  | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Sitting on the ground                                | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Getting dirty  | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Getting bitten by insects                            | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Touching plants when walking                         | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Walking on a non-paved trail                         | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Spending a full day in nature/outdoors               | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Getting hot/tired/thirsty/sweaty from hiking outside | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Being in a remote location far from the nearest city | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Encountering wild animals                            | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Going to the bathroom in a porta potty               | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |
| Encountering spiders and insects                     | 1                  | 2             | 3                                     | 4           | 5                | 1                  | 2             | 3                                     | 4           | 5                |

12. What part of the experiences at BioBlitz most changed your feelings about being outside in nature? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

13. Please tell us how strongly you agree or disagree with the following statements about **biodiversity and nature**.

Circle the number that best captures how you feel about each statement TODAY, and then circle the number that reflects how you felt BEFORE BioBlitz.

|   | TODAY             |          |                            |       |                | BEFORE BIOBLITZ   |          |                            |       |                |
|---|-------------------|----------|----------------------------|-------|----------------|-------------------|----------|----------------------------|-------|----------------|
|   | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree |
| It is important to protect a wide variety of plants and animals   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| It doesn't matter how many different types of plants and animals there are                                  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| Microorganisms are important in keeping our planet healthy  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I have a good understanding of the different types of plants and animals at Hawai'i Volcanoes National Park | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| Invertebrates are interesting and fun to watch  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| We should get rid of bacteria and other microorganisms  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I know a lot about Hawai'i Volcanoes National Park's ecosystems and the things that live there              | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| My life is better because there are a lot of different kinds of plants and animals                          | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I believe that I am a part of the web of life   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| Plants and animals play an important role in Hawaiian life  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I feel that nature is sacred  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |

14. Please give us an example of why you think nature is important to people? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

15. Please tell us how strongly you agree or disagree with the following statements about **learning about nature and science**.

Circle the number that best captures how you feel about each statement TODAY, and then circle the number that reflects how you felt BEFORE BioBlitz.

|   | TODAY             |          |                            |       |                | BEFORE BIOBLITZ   |          |                            |       |                |
|---|-------------------|----------|----------------------------|-------|----------------|-------------------|----------|----------------------------|-------|----------------|
|   | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Strongly Disagree | Disagree | Neither Agree Nor Disagree | Agree | Strongly Agree |
| I am good at asking questions about nature  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I can use all my senses (sight, hearing, touch, taste, smell) to understand the world around me   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I wonder about how nature works   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| In general, I love learning about nature  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| After a really interesting natural science activity is over, I look for more information about it | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I need to know how nature works   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I want to read everything I can find about nature   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| In general, I find learning about nature interesting  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I want to know how to do everything that the scientists at BioBlitz do                            | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I want to contribute to what we know about nature at Hawai'i Volcanoes National Park              | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I am interested in a career studying nature   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |

16. How, if at all, did participating in BioBlitz change your interest in learning about living creatures in the park?

---



---



---

17. Please tell us how strongly you agree or disagree with the following statements about **doing things to protect the environment**.

Circle the number that best captures how you feel about each statement TODAY, and then circle the number that reflects how you felt BEFORE BioBlitz.

|  | TODAY             |          |                            |       |                | BEFORE BIOBLITZ   |          |                            |       |                |
|--|-------------------|----------|----------------------------|-------|----------------|-------------------|----------|----------------------------|-------|----------------|
|  | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree |
| I want to be involved in protecting and taking care of natural areas                                       | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I want to give some of my own money to help protect wild plants and animals                                | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I think we are doing an adequate job taking care of plants and animals.                                    | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I think nature is easily harmed by people  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I am not interested in taking care of natural areas in my neighborhood                                     | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I want to 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              |
| I want to spend my free time on a project to protect wild plants and animals in my community               | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I like to learn about different ways scientists in a national park can make a difference                   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I think that I can protect plants and animals in my own back yard  | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I am interested in a career with the National Park Service to protect plants and animals                   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |
| I want to find ways contribute to protecting the environment   | 1                 | 2        | 3                          | 4     | 5              | 1                 | 2        | 3                          | 4     | 5              |

18. What have you done or will you do as a result of BioBlitz? (For example, talk about the park with friends or family? Look for more information? Attend another BioBlitz?) \_\_\_\_\_

---



---



---



18. Is there anything else you want to tell us about BioBlitz or Hawai'i Volcanoes National Park? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Section C: Information About You**

19. What is your gender? (*circle one*) 1. Female      2. Male

20. What year were you born? \_\_\_\_\_

21. Are you Hispanic or Latino? (Circle only one)

1. Hispanic or Latino      2. Not Hispanic or Latino

22. What is your race? Please circle one or more.

- 1. American Indian or Alaska Native, Specify affiliation (if known) \_\_\_\_\_
- 2. Asian
- 3. Black or African American
- 4. Native Hawaiian or other Pacific Islander
- 5. White

**THANK YOU FOR YOUR TIME AND INPUT**