OMB Control NO: 1024-0224
Expiration Date: 8-31-2014

Bioblitz: Creating Stewardship through Discovery
General Public

Visitor Participation in the National Park Service/National Geographic Bioblitz at
[Park Name]
[Year]

Conducted by the U.S. Nation Park Service in cooperation with Texas A&M University

NOTE TO OMB REVIEWERS: *For the purposes of this review and submission the justifications for each question or section of questions is highlighted in a shaded text box above each question. These text boxes will not be printed on the final version of the surveys. The Topic Areas noted are consistent with the currently approved pool questions for the NPS Programmatic Review Process (1024-0224 – Current Expiration Date: 8-31-2014). The questions that are slight variations are denoted as such. [SEE Questions 10-13, 14-17, and 22-24] These questions have been carefully discussed and generally approved by the NPS Information Collection Review Coordinator for inclusion in the currently approved questionnaire with understanding that that all questions will require further review and consideration by OMB before full determination and approval can be granted.*

Section A: Past Bioblitz Involvement

TOPIC AREA 3: ACT1

1. Have you participated in other Bioblitzes prior to your participation in the National Park Service (NPS)/National Geographic Society (NGS) Bioblitz at [park name]?
   _____Yes→ Continue to Question 2
   _____No→ Go to Question 5

TOPIC AREA 3: ACT3

2. How many Bioblitzes have you participated in within the last 12 months, including the NPS/NGSBioblitz at [Park Name]?
   _____Time(s)

3. On average, how many hours each month do you commit to Bioblitz activities?
   _____ Hours

TOPIC AREA 3: ACT 1

4. Which Bioblitzes have you participated in over the past three years? (*Please list*)
   a._____[Park Name]_____
   b. _____
   c. _____

TOPIC AREA 3: ACT 23

5. Do you participate in other National Park Service presentations or programs at [Park Name]? (*Check one*)
   _____ No → Go to question 6
   _____ Yes → Go to question 5a.

   5a. If "yes", what are these s? (List)
   a._____
   b. _____
   c. _____

   5b. On average, how many hours each month do you spend on NPS activities at [Park Name]?
   _____Hours

Section B: Your Experience with [Park Name] NPS/NGS Bioblitz

TOPIC AREA 3: LEARN 8

6. How did you first learn about the NPS/NGS Bioblitz at [Park Name)? (*Check all that apply*)
   - ☐ Previous Bioblitz participation
   - ☐ Previous visit to [Park Name]
   - ☐ Friends/relatives/word of mouth
   - ☐ Videos/Television/Radio
   - ☐ Newspaper/Magazine article
   - ☐ Internet – [Park Name] homepage
   - ☐ Internet – Other sites (List:_____ _____)
   - ☐ Chamber of Commerce
   - ☐ Convention/Visitors' Bureau
   - ☐ Local businesses
   - ☐ Other organization(s) I belong to (List:_____ _____)
   - ☐ Other: _____ _____

TOPIC AREA 1: GROUP 2

7. Did you come to the NPS/NGS Bioblitz at [Park Name] as part of an organization?
   _____ No If "No", please proceed to question 8
   _____Yes If "Yes," which organization: _____

8. Do you have friends, family or colleagues that are also participating in the NPS/NGS Bioblitz at [Park Name]?
   _____ No
   _____Yes

TOPIC AREA 4: PA 1

9. Below is a list of possible reasons for participating in the NPS/NGS Bioblitz at [Park Name]. For each item, please indicate how important the reason is to you for your participation. Participating in the Bioblitz at [Park Name] allowed me to:	**Not important**	**Somewhat important**	**Moderately important**	**Very important**	**Extremely important**
a. Be in a quiet peaceful spot	1	2	3	4	5
b. Be alone with my thoughts	1	2	3	4	5
c. Apply my scientific skills	1	2	3	4	5
d. Refine my understanding of science	1	2	3	4	5
e. Make life better for the coming generation	1	2	3	4	5
f. Feel I am doing something useful	1	2	3	4	5
g. Be of benefit to society or the community	1	2	3	4	5
h. Feel I can play a role in the conservation of nature	1	2	3	4	5
i. Work with different age groups	1	2	3	4	5
j. Meet friendly and interesting people	1	2	3	4	5
k. Have an opportunity to try new things	1	2	3	4	5
l. Involve myself in something meaningful	1	2	3	4	5
m. Feel like I am supporting the park	1	2	3	4	5
n. Build my self-confidence and personal growth	1	2	3	4	5
o. Help me with my personal growth	1	2	3	4	5
p. Stay healthy	1	2	3	4	5

q.	Be optimistic about nature's future	1	2	3	4	5
r.	Learn how nature works	1	2	3	4	5
s.	Learn about different species of flora and fauna	1	2	3	4	5
t.	Seek out and enjoy the wonders of nature	1	2	3	4	5
u.	Learn about the practice of science	1	2	3	4	5
v.	Other	1	2	3	4	5

Describe:

VARIATIONS: QUESTIONS 10 and 13 are not listed in the currently approved NPS pool of known questions. These questions were added because park managers need this information to determine participants' levels of involvement in specific activities in order to make management decisions such as how the Bioblitz program is meeting the needs of the participants. Bioblitz participants vary in terms of their involvement; from the casual visitor to the intensely dedicated who make extensive plans to participate in NPS Bioblitz events. NPS aims to cultivate participant involvement with their Bioblitz programs. We expect that those involved with NPS Bioblitzes are more likely to be agency advocates and resource stewards.

10. We'd like to know how strongly you consider yourself to be involved with the NPS/NGS Bioblitz at [Park Name]. Please indicate your level of agreement or disagreement with each of the following statements. Please circle only one response for each item.	**Strongly disagree**	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**
a. Participating in the NPS/NGS Bioblitz at [Park Name] has been one of the most enjoyable activities in which I've participated this year	1	2	3	4	5
b. My involvement with the NPS/NGS Bioblitz at [Park Name]was important to me	1	2	3	4	5
c. Participating in the NPS/NGS Bioblitz at [Park Name]was exciting	1	2	3	4	5
d. I organized my leisure time around attending the NPS/NGS Bioblitz at [Park Name]	1	2	3	4	5
e. The NPS/NGS Bioblitz at [Park Name] occupied a central role in my life	1	2	3	4	5
f. I consider myself to be somewhat of a Bioblitz expert	1	2	3	4	5
g. I coordinated my schedule to participate in Bioblitz activities	1	2	3	4	5
h. I enjoy discussing the NPS/NGS Bioblitz at [Park Name]with my friends	1	2	3	4	5
i. Most of my friends were in some way connected with the NPS/NGS Bioblitz at [Park Name]	1	2	3	4	5
j. Participating in the NPS/NGS Bioblitz at [Park Name]provided me with an opportunity to be with friends	1	2	3	4	5
k. My involvement with the NPS/NGS Bioblitz at [Park Name]allowed me to be myself	1	2	3	4	5
l. I identified with the staff at [Park Name] associated with the NPS/NGS Bioblitz	1	2	3	4	5
m. I identified with other participants who were involved with the NPS/NGS Bioblitz at [Park Name]	1	2	3	4	5
n. Participating in the NPS/NGS Bioblitz at [Park Name] is an important part of my own identity	1	2	3	4	5

11. We would like to know what, if any, impact your participation in the NPS/NGS Bioblitz at [Park Name] has had on your thoughts about science and nature. Please circle a number that captures your feelings about each statement. **The NPS/NGS Bioblitz at [Park Name] has…**	**Strongly disagree**	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**
a. … taught me a lot about a variety of species of plants and animals living in the park	1	2	3	4	5
b. … provided me with an opportunity to learn about science	1	2	3	4	5
c. … allowed me to experience the park in a new way	1	2	3	4	5
d. … provided with a unique opportunity to learn from professionals	1	2	3	4	5

12. The following statements examine potential outcomes associated with your participation in the NPS/NGS Bioblitz at [Park Name]. Please circle the number that best represents your level of agreement with each statement. **Participation in the NPS/NGS Bioblitz at [Park Name] has…**	**Strongly Disagree**	**Disagree**	**Neither Disagree nor Agree**	**Agree**	**Strongly Agree**
a. … increased my knowledge of [Park Name] ecosystems and life forms	1	2	3	4	5
b. … improved my understanding of the work undertaken by scientists	1	2	3	4	5
c. … improved my understanding of biodiversity at [Park Name]	1	2	3	4	5
d. … improved my understanding of scientific methods	1	2	3	4	5
e. … contributed to the scientific knowledge base of [Park Name]	1	2	3	4	5
f. … increased my interest in natural resource stewardship	1	2	3	4	5
g. … increased my desire to spend time in natural areas	1	2	3	4	5
h. … increased my desire to be involved in natural area stewardship	1	2	3	4	5

13. The following statements examine potential implications associated with Bioblitzes for the National Park Service. Please circle the number that best represents your level of agreement with each statement**.** **Bioblitzes in our national parks will help the National Park Service...**	**Strongly Disagree**	**Disagree**	**Neither Disagree nor Agree**	**Agree**	**Strongly Agree**
a. Manage the park's natural resources	1	2	3	4	5
b. Acquire science-based knowledge about resources in the parks	1	2	3	4	5
c. Understand biodiversity within the parks	1	2	3	4	5
d. Inform the public about park resources	1	2	3	4	5

Questions 14-17 below are VARIATIONS – These questions are not listed in the currently approved NPS pool of known questions. For the purposes of this collection it is important to understand the respondents' level of satisfaction with the organization of the Bioblitz program and activities. This information will provide information that will help the NPS understand how customer satisfaction is linked to the respondents' experience and participation. This information will be used by park managers to plan future events.

14. We would like to know the activities that you participated or observed while attending the NPS/NGS Bioblitz and how you felt about these activities. Please first check activities that you participated or observed and then indicate how satisfied you were with the selected activity.	Check activities in this column if you participated or observed the activity	If you participated or observed the activity/element of the Bioblitz, how satisfied were you with this activity?				
		Extremely Dissatisfied	**Dissatisfied**	**Neither Dissatisfied or Satisfied**	**Satisfied**	**Extremely Satisfied**
a. Opening and/or closing ceremonies	☐	1	2	3	4	5
b. Entertainment	☐	1	2	3	4	5
c. Youth ambassador presentations and interactions	☐	1	2	3	4	5
d. Scientist presentations/talks	☐	1	2	3	4	5
e. Interactive booth activities	☐	1	2	3	4	5
f. Information provided at booths	☐	1	2	3	4	5
g. Science Tent: Opportunities to interact with scientists at work (e.g., identification of specimens, data entry)	☐	1	2	3	4	5
h. Earning Biodiversity University degrees	☐	1	2	3	4	5
i. Social media; e.g., blogging, Facebook	☐	1	2	3	4	5
j. Electronic field trip	☐	1	2	3	4	5
k. Arts and cultural activities (e.g., drawing, photography, cooking demonstration, poetry, writing)	☐	1	2	3	4	5

15. We would like to know how the attributes listed below impacted your experience at the NPS/NGS Bioblitz at [Park Name]. Please let us know how you felt about each attribute by circling a number that best reflects your experience.	**Extremely Dissatisfied**	**Dissatisfied**	**Neither Dissatisfied or Satisfied**	**Satisfied**	**Extremely Satisfied**	**Did not experience**
a. Availability of food	1	2	3	4	5	☐
b. Availability of drinking water	1	2	3	4	5	☐
c. Scheduling of events	1	2	3	4	5	☐
d. Availability of clean bathrooms	1	2	3	4	5	☐
e. Overall provisions for visitor safety	1	2	3	4	5	☐
Dehydration	1	2	3	4	5	☐
Sunburn	1	2	3	4	5	☐
Heat stress	1	2	3	4	5	☐
Elevation sickness*(*Note: will only be used in areas where this may be an issue*)	1	2	3	4	5	☐
Stinging plants and insects	1	2	3	4	5	☐
Minor first aid						☐
f. Instructions on when and where to meet	1	2	3	4	5	☐
g. Transportation within [Park Name]	1	2	3	4	5	☐
h. Assistance provided by NPS staff	1	2	3	4	5	☐
i. Assistance provided by volunteers	1	2	3	4	5	☐
j. Accessibility of scheduled events	1	2	3	4	5	☐
k. Expertise of scientists, naturalists, and technical staff	1	2	3	4	5	☐
l. NPS staff effort to follow-up following the Bioblitz to seek your evaluation	1	2	3	4	5	☐

16. We would like to know how satisfied you were with the support provided by the NPS before and after the NPS/NGS Bioblitz. For each item below, please indicate your level of satisfaction.	**Extremely Dissatisfied**	**Dissatisfied**	**Neither Dissatisfied or Satisfied**	**Satisfied**	**Extremely Satisfied**	**Did not experience**
a. Pre-trip lesson plans from [Park Name]	1	2	3	4	5	☐
b. Pre-trip interactions with [Park Name] staff	1	2	3	4	5	☐
c. Post-trip lesson plans from [Park Name]	1	2	3	4	5	☐
d. Post-trip interactions with [Park Name] staff	1	2	3	4	5	☐
e. Lesson plans from the National Geographic Society	1	2	3	4	5	☐
f. Electronic field trip	1	2	3	4	5	☐
g. *Schoolyard Bioblitz* Information from the National Geographic Society	1	2	3	4	5	☐

17. To what extent did the following influence your involvement in the [Park Name] NPS/NGS Bioblitz.	Major deterrent	Minor deterrent	No influence	Minor positive influence	Major positive influence
a. Promotional material from [park name] and/or the National Geographic Society	1	2	3	4	5
b. Required waivers; e.g., for photos, permission slip, survey permissions, etc.	1	2	3	4	5
c. Information for planning and scheduling	1	2	3	4	5
d. Information concerning safety risks	1	2	3	4	5
e. NPS/NGS sponsorships to help defray the cost of participation	1	2	3	4	5

Section C: Your Experience with [Park Name]

TOPIC AREA 1: VISITHIS 3 and 4

18. What year did you first visit the [Park Name]? _____ Year
    Or ☐ Check if this was your first time visiting [park Name]?
19. In the last 12 months, how many times have you visited [Park Name]?_____

TOPIC AREA 4: PA2

20. Do you have a favorite or special place within [Park Name]?
    ___NO → Skip to question Section C below
    ___YES (If YES, please answer 3a and 3b below)
    └> 3a. What is the name of this place? _____
    └> 3b. Why is it your favorite?_____
    _____
    _____
    _____
    _____

TOPIC AREA 4: PA1

21. Please indicate your level of agreement or disagreement with each of the following statements. Please circle only one response for each item.	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
a. [Park Name] is the best place for the recreation activities that I enjoy	1	2	3	4	5
b. Compared to [Park Name], there are few satisfactory alternatives	1	2	3	4	5
c. I have a lot of fond memories of past experiences with family and friends in [Park Name]	1	2	3	4	5
d. I have a strong emotional bond to [Park Name]	1	2	3	4	5
e. I can't imagine a better place for what I like to do than [Park Name]	1	2	3	4	5

f.	I feel [Park Name] is a part of me	1	2	3	4	5
g.	I feel a strong sense of belonging to [Park Name]	1	2	3	4	5
h.	I identify with [Park Name]	1	2	3	4	5
i.	I really enjoy [Park Name]	1	2	3	4	5
j.	[Park Name] means a lot to me	1	2	3	4	5
k.	Visiting [Park Name] says a lot about who I am	1	2	3	4	5
l.	I am happiest when I get to visit [Park Name]	1	2	3	4	5
m.	I associate special people in my life with [Park Name]	1	2	3	4	5
n.	Visiting [Park Name] allows me to spend time with my family and friends	1	2	3	4	5

Section D: Feelings about the Natural Environment

In this section we would like to know your thoughts and behavior about nature and the extent to which you believe that you can help protect natural resources.

TOPIC AREA: (NONE) *V*ARIATION – The following question is not listed in the currently approved pool of known questions. Natural resource stewardship is one of the goals of the ATBI/Bioblitz program. Through their engagement with the ATBI/Bioblitz program, it is anticipated that participants will be more inclined to protect park resources and nature in general. These items provide the NPS with information on how the public is defining "stewardship". They can then determine if the public's definition is congruent with the NPS's vision of stewardship. The data could be used to shape NPS public outreach/education efforts.

22. When I hear the term "natural resource stewardship" in relation to [Park Name], I think of… (circle one number for each statement that best reflects your opinion)		**Strongly disagree**	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**
a.	Managing our natural resources wisely to provide for human needs	1	2	3	4	5
b.	Sustainably and responsibly using our natural resources	1	2	3	4	5
c.	Protecting all species because we may find a use for them later (for example, curing diseases)	1	2	3	4	5
d.	Trying to reduce my negative impact on the environment	1	2	3	4	5
e.	All animals' and plants' right to exist	1	2	3	4	5
f.	Considering how others in society are affected when we use natural resources	1	2	3	4	5
g.	Preserving the environment in its natural state	1	2	3	4	5
h.	A religious obligation to protect the environment	1	2	3	4	5
i.	An ethical responsibility to care for the environment	1	2	3	4	5
j.	Protecting the environment for future generations	1	2	3	4	5
k.	Nothing at all; the term "natural resource stewardship" has no meaning for me	1	2	3	4	5

TOPIC AREA (NONE) *V*ARIATION – The following question is not listed in the currently approved pool of known questions. This items listed below are needed to understand the degree to which participants believe their personal contribution has an influence on natural resource protection. We feel that resource protection is central to stewardship; therefore this information will provide managers with data that will influence future public education efforts aimed at fostering stewardship.

23. We are interested in understanding how you feel about ways to protect the [Park Name]. Please indicate the extent to which you agree or disagree with the following statements. (Circle one number for each statement that best reflects your opinion).	**Strongly disagree**	**Disagree**	**Neither agree nor disagree**	**Agree**	**Strongly agree**
a. I am willing to volunteer my time to help the environment of [Park Name]	1	2	3	4	5
b. I do not feel I have any control over whether or not my daily activities harm [Park Name]	1	2	3	4	5
c. It is important for me to reduce my negative personal impacts on the environment of [Park Name]	1	2	3	4	5
d. The efforts of one person to conserve the resources of [Park Name] are insignificant as along as other people refuse to conserve	1	2	3	4	5
e. It is primarily the responsibility of individuals, not the government, to protect the environment of [Park Name]	1	2	3	4	5
f. Because my contribution to environmental problems at [Park Name] is very small, I do not feel responsible for causing environmental problems in the park today	1	2	3	4	5

TOPIC AREA (NONE) - *V*ARIATION – This question is not listed in the currently approved pool of known questions. For the purposes of this collection it is important to understand the respondents' level of stewardship and to determine if this connection to the environment is a key to participation.

24. To what extent do you consider yourself a natural resource steward? (Circle one number that best reflects your opinion).

Very untrue of me	**Somewhat untrue of me**	**Neutral**	**Somewhat true of me**	**Very true of me**
1	2	3	4	5

TOPIC AREA 1:

25. We are interested in the types of activities you participate in at [Park Name] NP. Please select ALL of the activities you have participated in at [Park Name] over the last 12 months.

☐ Camping	☐ Visiting the Visitor Center/Nature Center	☐ Horseback riding
☐ Hiking	☐ Nature/landscape photography	☐ Motor boating
☐ Biking	☐ Picnicking	☐ Running/Walking for exercise
☐ Research	☐ Wildlife watching or Bird watching	

Section E: Information About You

TOPIC AREA 1: GEND 1

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

TOPIC AREA 1: AGE 2

27. What year were you born? _____

TOPIC AREA 1: ED 2

28. What is the highest level of formal education you have completed? (*select one of the following*)

☐ Less than high school
☐ Some high school
☐ High school graduate
☐ Vocational/trade school certificate
☐ Some college
☐ Two-year college degree
☐ Four-year college degree
☐ Master's degree
☐ Ph.D. M.D. J.D. or equivalent

TOPIC AREA 6: ECON 1

29. What was your total household income (before taxes) in 2010? *(select one of the following)*

☐ Less than $24,999
☐ $25,000 to $34,999
☐ $35,000 to $49,999
☐ $50,000 to $74,999
☐ $75,000 to $99,999
☐ $100,000 to $149,999
☐ $150,000 to $199,999
☐ $200,000 or more

TOPIC AREA (NONE) - *VARIATION* – This question is not listed in the currently approved pool of known questions. Employment status is often good predictors of participant's availability and behavior.

30. Are you presently: (Please select all that apply)
    1. Employed outside the home →
       ☐ full-time
       ☐ part-time →
       Occupation: _____
    2. Unemployed
    3. Retired → Previous occupation: _____
    4. Full-time homemaker
    5. Student→
       ☐full-time
       ☐part-time

TOPIC AREA 1: RACE/ETH1

31. Are you Hispanic or Latino? (Check one)
    ☐ Hispanic or Latino
    ☐ Not Hispanic or Latino

TOPIC AREA 1: RACE/ETH 4

32. What is your race? (Please check one or more)
    - ☐ American Indian or Alaska Native
    - ☐ Asian
    - ☐ Black or African American
    - ☐ Native Hawaiian or other Pacific Islander
    - ☐ White

If you have any other comments about [Park Name] NPS Bioblitz, please feel to write them below**.**

THANK YOU FOR YOUR TIME AND INPUT

PAPERWORK REDUCTION ACT Statement;
16 U.S.C. 1a-7 authorizes collection of this information. This information will be used by park managers to better understand the public's participation in the Bioblitz at [Park Name] National Park. Your response to this request is voluntary. The data collected will remain anonymous. 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 number and expiration date.

BURDEN ESTIMATE STATEMENT: The public reporting time for this survey averages 30 minutes per response. Please direct any comments regarding aspect for this collection to Sally Plumb, Biodiversity Coordinator, 1201 Oakridge Drive, Suite 200, Fort Collins, CO 80525, orat: sally_plumb@nps.gov (email).