

Citizen Science: Participation in the National Park Service All Taxa Biodiversity Inventory (ATBI) Program



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



Section A: Past ATBI Involvement

1. Was the Biscayne National Park (NP) BioBlitz the first one in which you had ever participated? [Topic Area 3: Individual Activities and Uses of Park Resources]

_____ No → Continue to Question 2

_____ Yes → Go to Question 5

2. How many BioBlitz/ATBI programs have you participated in within the last 12 months, including the Biscayne BioBlitz? _____ [Topic Area 1: Individual Characteristics]

3. On average, how many hours each month do you commit to BioBlitz/ATBI activities?

_____ Hours [Topic Area 1: Individual Characteristics]

4. Which BioBlitz/ATBI programs have you participated in over the past three years,? Please list. [Topic Area 1: Individual Characteristics]

a. _____ Biscayne National Park

b. _____

c. _____

5. Do you participate in other National Park Service programs at Biscayne NP? [Topic Area 3: Individual Activities and Uses of Park Resources]

_____ No → Go to question 6

_____ Yes → Go to question 5a.

5a. If “yes”, what are these programs? (List) a. _____

b. _____

c. _____

5b. On average, how many hours each month do you participate in NPS activities at Biscayne NP?

_____ Hours

6. How did you first learn about the Biscayne BioBlitz program? (check all that apply) [Topic Area 1: Individual Characteristics]

Previous BioBlitz/ATBI program participation

Chamber of Commerce

Previous visit to Biscayne NP

Convention/Visitors’ Bureau

Friends/relatives/word of mouth

Dive shops

Videos/Television/Radio

Information at marina

Newspaper/Magazine article

Tackle/Bait shop

Internet – Biscayne NP homepage

Other organization(s) I belong to (List: _____)

Internet – Other sites (List: _____)

Other: _____

7. Did you come to the Biscayne BioBlitz as part of an organization? [Topic Area 1: Individual Characteristics]

_____ No → Go to question 8

_____ Yes → Which organization: _____

8. Do you have friends, family or colleagues that are also participating in the in Biscayne BioBlitz? [Topic Area 1: Individual Characteristics]

_____ No

_____ Yes

REVIEWER: THIS LIST AND OTHER "LONG" LISTS IN THE QUESTIONNAIRE WILL HAVE THE ORDERING OF ITEMS REVERSED USING A SPLIT-HALF DESIGN.

9. Below is a list of possible reasons for participating in the Biscayne BioBlitz. For each item, please indicate how important the reason is to you as a reason for your participation in the Biscayne BioBlitz. [4. PREF1]

	Not important	Somewhat important	Moderately important	Very important	Extremely important
a. Work with different age groups	1	2	3	4	5
b. Seek out and enjoy the wonders of nature	1	2	3	4	5
c. Restore or contribute to my spirituality	1	2	3	4	5
d. Refine my understanding of science	1	2	3	4	5
e. Opportunity to try new things	1	2	3	4	5
f. Meet friendly and interesting people	1	2	3	4	5
g. Make life better for the coming generation	1	2	3	4	5
h. Learn how nature works	1	2	3	4	5
i. Learn about the practice of science	1	2	3	4	5
j. Learn about different species of flora and fauna	1	2	3	4	5
k. Just let my mind wander	1	2	3	4	5
l. Involve myself in something meaningful	1	2	3	4	5
m. I like to support the park	1	2	3	4	5
n. I find this aspect of science fascinating	1	2	3	4	5
o. Help me with my personal growth	1	2	3	4	5
p. Help me to stay healthy	1	2	3	4	5
q. Help me to be optimistic about nature's future	1	2	3	4	5
r. Help build my self-confidence	1	2	3	4	5
s. Have shared goals	1	2	3	4	5
t. Have sense that things are getting done					
u. Have a sense of accomplishment	1	2	3	4	5
v. Get away from it all	1	2	3	4	5
w. Feel I can play a role in the conservation of nature	1	2	3	4	5

x. Feel I am doing something useful	1	2	3	4	5
y. Develop my physical fitness	1	2	3	4	5
z. Cause good things to happen	1	2	3	4	5
aa. Be part of something profound	1	2	3	4	5
bb. Be of benefit to society or the community	1	2	3	4	5
cc. Be in a quiet peaceful spot	1	2	3	4	5
dd. Be alone with my thoughts					
ee. Apply my scientific skills	1	2	3	4	5
ff. Act in a responsible manner towards the Earth					
gg. Accomplish something in a group	1	2	3	4	5
a. Other	1	2	3	4	5
Describe:					

10. We'd like to know how strongly you consider yourself to be involved with the BioBlitz/ATBI programs in Biscayne (and other national parks if you have participated in them). Please indicate your level of agreement or disagreement with each of the following statements. Please circle only one response for each item. [4. PA1]

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
a. You can tell a lot about a person by their involvement in BioBlitz/ATBI programs	1	2	3	4	5
b. The BioBlitz/ATBI program occupies a central role in my life	1	2	3	4	5
c. Special people in my life are associated with BioBlitz/ATBI programs	1	2	3	4	5
d. Participating in the BioBlitz/ATBI program says a lot about who I am	1	2	3	4	5
e. Participating in the BioBlitz/ATBI program is one of the most satisfying things I do	1	2	3	4	5
f. Participating in the BioBlitz/ATBI program is one of the most enjoyable things I do	1	2	3	4	5
g. Participating in the BioBlitz/ATBI program is exciting	1	2	3	4	5
h. Participating in a BioBlitz/ATBI program provides me with an opportunity to be with friends	1	2	3	4	5
i. My involvement with the BioBlitz/ATBI program allows me to be myself	1	2	3	4	5
j. My involvement in the BioBlitz/ATBI program takes precedence over other recreation and leisure pursuits	1	2	3	4	5
k. My involvement in the BioBlitz/ATBI program is important to me	1	2	3	4	5
l. Most of my friends are in some way connected with a BioBlitz/ATBI program	1	2	3	4	5
m. I like to think of myself as a serious BioBlitz/ATBI participant	1	2	3	4	5
n. I like to be seen participating in a BioBlitz/ATBI program	1	2	3	4	5
o. I identify with the people associated with BioBlitz/ATBI programs	1	2	3	4	5
p. I find a lot of my life is organized around the BioBlitz/ATBI program	1	2	3	4	5
q. I enjoy discussing the BioBlitz/ATBI program with my friends	1	2	3	4	5

c. Visiting Biscayne National Park allows me to release built-up tension	1	2	3	4	5
d. The time spent at Biscayne National Park allows me to bond with my family and friends	1	2	3	4	5
e. I really enjoy Biscayne National Park	1	2	3	4	5
f. I identify with Biscayne National Park	1	2	3	4	5
g. I have a strong emotional bond to Biscayne National Park	1	2	3	4	5
h. I have a lot of fond memories of past experiences with family and friends in Biscayne National Park	1	2	3	4	5
i. I feel that my identity is reflected in Biscayne National Park	1	2	3	4	5
j. I feel that a lot of other places could substitute for Biscayne National Park	1	2	3	4	5
k. I feel Biscayne National Park is a part of me	1	2	3	4	5
l. I feel a strong sense of belonging to Biscayne National Park	1	2	3	4	5
m. I can't imagine a better place for what I like to do than Biscayne National Park	1	2	3	4	5
n. I associate special people in my life with Biscayne National Park	1	2	3	4	5
o. I am happiest when I get to visit Biscayne National Park	1	2	3	4	5
p. Compared to Biscayne National Park, there are few satisfactory alternatives	1	2	3	4	5
q. Biscayne NP is the best place for the recreation activities that I enjoy	1	2	3	4	5
r. Biscayne National Park means a lot to me	1	2	3	4	5

Section C: Feelings about the Natural Environment

1. When I hear the term “natural resource stewardship” in relation to Biscayne National Park, I think of... (Please circle one number for each statement) [\[Topic Area 1: Individual Characteristics\]](#)

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
a. Managing Biscayne National Park’s natural resources wisely to provide for human needs	1	2	3	4	5
b. Sustainably and responsibly using Biscayne NP’s natural resources	1	2	3	4	5
c. Protecting all species in the park 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 park’s environment	1	2	3	4	5
e. All animals and plants in Biscayne NP having a right to exist	1	2	3	4	5
f. Considering how others in society are affected when we use natural resources in Biscayne NP	1	2	3	4	5
g. Preserving Biscayne NP’s environment in its natural state	1	2	3	4	5
h. A religious obligation to protect the environment of Biscayne NP	1	2	3	4	5
i. An ethical responsibility to care for the environment of Biscayne NP	1	2	3	4	5
j. Protecting the environment of Biscayne NP 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

2. We are interested in understanding how you feel about protecting Biscayne National Park. Please indicate the extent to which you agree or disagree with the following statements. Please circle one number for each statement. [\[Topic Area 1: Individual Characteristics\]](#)

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
a. I am willing to volunteer my time to help the environment of Biscayne National Park	1	2	3	4	5
b. I do not feel I have any control over whether or not my daily activities harm Biscayne NP	1	2	3	4	5
c. I am willing to pay more for the products I buy or services I use if it improves the environment of Biscayne NP	1	2	3	4	5
d. It is important for me to reduce my negative personal impacts on the environment of Biscayne NP	1	2	3	4	5
e. The efforts of one person to conserve the resources of Biscayne NP are insignificant as long as other people refuse to conserve	1	2	3	4	5
f. It is primarily the responsibility of individuals, not the government, to protect the environment of Biscayne NP	1	2	3	4	5
g. Because my contribution to environmental problems at Biscayne NP is very small, I do not feel responsible for causing environmental problems in the park today	1	2	3	4	5

3. On a scale of 1 to 10, indicate how much you consider yourself to be a natural resource steward. Please circle only one number. [\[Topic Area 1: Individual Characteristics\]](#)

Not at all Very much
 1 2 3 4 5 6 7 8 9 10

4. We are interested in the types of activities you participate in at Biscayne National Park. Please mark ALL of the activities you have participated in at Biscayne over the last 12 months. [\[3. variation ACT18\]](#)

- | | |
|--|--|
| <input type="checkbox"/> Camping
<input type="checkbox"/> Hiking
<input type="checkbox"/> Mountain biking
<input type="checkbox"/> Fishing
<input type="checkbox"/> Visiting the Visitor Center/Nature Center
<input type="checkbox"/> Snorkeling
<input type="checkbox"/> Nature photography
<input type="checkbox"/> Picnicking
<input type="checkbox"/> Wildlife watching or Birdwatching | <input type="checkbox"/> SCUBA diving
<input type="checkbox"/> Crabbing/lobstering
<input type="checkbox"/> Swimming in a natural setting (lake, river, ocean)
<input type="checkbox"/> Going to a beach or lakeshore
<input type="checkbox"/> Motor boating
<input type="checkbox"/> Kayaking, canoeing, rafting |
|--|--|

Section E: Information About You

1. What is your gender? 1. Female 2. Male [\[1. GEND2\]](#)

What year were you born? _____ [\[1. AGE1\]](#)

2. What is the highest level of formal education you have completed ? Please circle only one. [\[1.ED2\]](#)

- | | |
|--|----------------------------------|
| 1. Less than high school | 6. Two-year college degree |
| 2. Some high school | 7. Four-year college degree |
| 3. High school graduate | 8. Masters degree |
| 4. Vocational/trade school certificate | 9. Ph.D. M.D. J.D. or equivalent |
| 5. Some college | |

3. What was your total household income (before taxes) in 2005? Please circle only one. [\[1. INCOM1\]](#)

- | | |
|-------------------------|---------------------------|
| 1. Less than \$24,999 | 5. \$75,000 to \$99,999 |
| 2. \$25,000 to \$34,999 | 6. \$100,000 to \$149,999 |
| 3. \$35,000 to \$49,999 | 7. \$150,000 to \$199,999 |
| 4. \$50,000 to \$74,999 | 8. \$200,000 or more |

4. Are you presently: (Please circle only one) [Topic Area 1: Individual Characteristics]
1. Employed outside the home → 1. full time 2. part time → Occupation: _____
 2. Unemployed
 3. Retired → Previous occupation: _____
 4. Full-time homemaker
 5. Student → 1. full time 2. part time

5. Are you Hispanic or Latino? (Please circle only one) [1. RACE/ETH2]
1. Hispanic or Latino
 2. Not Hispanic or Latino

6. What is your race? Please circle one or more. [1. variation RACE/ETH3]
1. American Indian or Alaska Native → Specify affiliation _____
 2. Asian
 3. Black or African American
 4. Native Hawaiian or other Pacific Islander
 5. White

If you have any other comments about Biscayne NP's BioBlitz/ ATBI program, please feel to write them below.
[6. variation OPMGMT7]

THANK YOU FOR YOUR TIME AND INPUT

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Burden estimate statement. Public reporting for this form is estimated to average 30 minutes per response. Direct comments regarding the burden estimate or any other aspect for this form to Myrna Palfrey-Perez, Biscayne National Park, 9700 SW 328 Street, Homestead, FL, 33033.