

## NPS and Alice Ferguson Foundation Bridging the Watershed (BTW) Student Survey

**NOTE TO REVIEWER:** *This survey will be administered on-site to students in grades 6 – 12 at the end of their field study. A separate survey will be created for each of the 5 core modules of BTW. The first section of the survey will be the same for all 5 modules.*

**We hope that you will complete this 4-minute survey telling us your thoughts about the field study and what you learned. We will use the survey results to plan future field studies. Your responses will be completely anonymous meaning that no one will be able to match you to your responses. When you finish, please give your survey to the park educator. Thank you!**

**Paperwork Reduction Act Statement:** The Paperwork Reduction Act requires us to tell you why we are collecting this information, how we will use it, and whether or not you have to respond. The data collected in this study will assist managers in understanding local middle and high school students to assess the quality of the **NPS & Alice Ferguson Foundation Bridging the Watershed (BTW) Program**. Your input will be critical in understand the utility of the program. Your responses are voluntary and anonymous. Your name and address will not be collected. At the completion of this collection all personal information will be destroyed and in no way be connected with the results of this survey. A Federal agency may not conduct or sponsor and you are not required to respond to, a collection of information unless it displays a currently valid OMB Control Number.

**Estimated Burden Statement:** Public reporting for this collection of information is estimated to be no more than four minutes to complete the questionnaire or less than two minutes to answer the non-response questions. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Information Collection Officer, National Park Service, 12201 Sunrise Valley Dr. (MS-242), Reston, VA 20192.

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**Part 1**

School: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Grade: \_\_\_\_\_ Teacher: \_\_\_\_\_

Name of the Park you visited: \_\_\_\_\_

Is this your first visit to a National Park?  Yes  No

**Part 2: Please indicate the level of your agreement with these statements.**

	Level of Agreement				
	Strongly Disagree	Disagree	Uncertain	Agree	Strongly Agree
After today I am comfortable with being in an outdoor setting like this.	1	2	3	4	5
I believe in caring for the environment	1	2	3	4	5
Doing a study in the field helped me learn about the environment.	1	2	3	4	5
The educator made learning interesting.	1	2	3	4	5
I would like to do more field studies.	1	2	3	4	5
I would like to visit this park again.	1	2	3	4	5
I would like to visit more national parks in the future.	1	2	3	4	5

**NOTE TO REVIEWER:** The statements below are specific to each of the 5 Modules. Students will only answer the questions for the module they completed during their time in the park. The instructions below will apply to each module.

**Part 3: Please read each statement below very carefully. Your answers should be based on what you learned today. We would like to find out if you understood all of the things we talked about today. This is very important for us, so take your time and do your best – by yourself.**

<b>Module 1: <i>Water Canaries</i></b>	<b>True</b>	<b>False</b>
The word watershed refers to the land and small bodies of water that drain into a large body of water.	<b>1</b>	<b>2</b>
Macroinvertebrates can be identified by their body shape, legs and gills.	<b>1</b>	<b>2</b>
We all live in a watershed.	<b>1</b>	<b>2</b>
Oxygen in water is decreased by riffles.	<b>1</b>	<b>2</b>
Certain organisms living in a stream or body of water can tell us something about the health of the stream or body of water.	<b>1</b>	<b>2</b>

<b>Module 2 <i>Don't Get Sedimental</i></b>	<b>True</b>	<b>False</b>
Erosion occurs when there are no trees or plants on a riverbank	<b>1</b>	<b>2</b>
The word watershed refers to the land and small bodies of water that drain into a large body of water.	<b>1</b>	<b>2</b>
Healthy streams, creeks, and rivers have riffles, pools, and bends in them.	<b>1</b>	<b>2</b>
Water from impervious surfaces on the land can contain pollutants that contaminate bodies of water.	<b>1</b>	<b>2</b>
We all live in a watershed	<b>1</b>	<b>2</b>

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<b>Module 3: <i>Talkin' Trash</i></b>	<b>True</b>	<b>False</b>
The word watershed refers to the land and small bodies of water that drain into a large body of water	1	2
Your used disposable diapers are still breaking down in a landfill.	1	2
The only way trash enters the water is when people directly throw trash into it.	1	2
Because Styrofoam breaks down into smaller pieces it has no effect on waterways.	1	2
If you leave a piece of newspaper outside, it will take over two years to biodegrade (break down naturally).	1	2

<b>Module 4 <i>Exotic Invaders</i></b>	<b>True</b>	<b>False</b>
An exotic invasive species is a non-native plant or animal that takes over native species.	1	2
The word watershed refers to the land and small bodies of water that drain into a large body of water.	1	2
Exotic invasive plant species out-compete native plant species for nutrients and resources	1	2
Plants have a variety of characteristics (Ex: leaf shape and size, plant height) to help identify them	1	2
We all live in a watershed.	1	2

**Module 5:**

<b><i>Watershed Watchdogs</i></b>	<b>True</b>	<b>False</b>
Using just one chemical test to determine water quality gives us enough information to determine if the water is healthy to drink	1	2
The word watershed refers to the land and small bodies of water that drain into a large body of water.	1	2
Human behavior (farming, recreation, driving, building, etc) has an impact on watershed health.	1	2
Turbidity measures the cloudiness/haziness of water.	1	2
Aquatic animals need to have dissolved oxygen to survive.	1	2

## Student Non-Response Survey

### NPS & Alice Ferguson Bridging the Watershed (BTW)

*The BTW educator will group non-respondents and will read the following text aloud to them:*

*I would like 1 minute of your time to ask you for your response to the field study. I will read 2 statements about the field study. Indicate your response to the statements by placing an 'X' in the box under 'Yes' or 'No'. There is a 3<sup>rd</sup> statement that asks you why you didn't complete the full survey.*

*Let's begin.*

*[The BTW educator will read aloud the survey items in the table below pausing for 3 seconds to allow non-respondents time to select their answer before moving to the next statement.]*

Survey Item	Yes	No
1) I think that doing a field study helped me to learn about the environment.		
2) I would like to visit more national parks in the future.		
I didn't complete the full survey because. . .		