**OMB Control Number 1024-XXXX**

**Current Expiration Date: XX-XX-XXXX**

**Glen Canyon Angler Survey**

**[Choice Questions]**

**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 evaluate fishing trips at Lee’s Ferry. Response to this request is voluntary. No action may be taken against you for refusing to supply the information requested. Please do not put your name or that of any member of your group on the questionnaire. The permanent data associated with this collection will be anonymous.

**BURDEN ESTIMATE:** The public reporting burden for this form is estimated to average 20 minutes per response. Direct comments regarding the burden estimate or any other aspect of this form to: the NPS Information Collection Review Coordinator, National Park Service, 1201 Oakridge Dr., Fort Collins, CO 80525.

**On \_\_\_\_[DATE]\_\_\_\_\_, you were contacted by Arizona Game and Fish and asked to participate in a short creel survey while fishing at Lee's Ferry. We would like you to think about that trip when completing this survey. On that particular trip you reported that you caught \_\_##\_\_ fish (including any fish you may have released). The largest fish you caught that day was about \_\_\_\_\_lbs. and \_\_\_\_\_\_\_\_inches long.**

**When thinking about that trip to Lee’s Ferry we would like for you to tell us a little about your experiences.**

Questions 1-9 will be used to identify key characteristics of the fishing trips (type of fishing, catch, perceived quality of trip), and some of the reasons the anglers fished this stretch of water, as well as query the importance of a broad range of trip features to the respondent.

1. During that fishing trip were you? (CIRCLE ONE NUMBER)

1 USING A HIRED FISHING GUIDE

2 FISHING ON YOUR OWN WITHOUT A GUIDE

2. Overall, how would you rate the fishing on that trip? (CIRCLE ONE NUMBER)

1 MUCH WORSE THAN EXPECTED

2 WORSE THAN EXPECTED

3 AS EXPECTED

4 BETTER THAN EXPECTED

5 MUCH BETTER THAN EXPECTED

3. On that trip, what was your primary method of fishing? (CIRCLE ONE NUMBER)

1 FROM A BOAT

2 FROM THE BANK

4. During that trip, what was the main type of equipment you used? (CIRCLE ONE NUMBER)

1 FLY FISHING

2 SPIN FISHING WITH ARTIFICIAL LURES

3 OTHER\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. How many days, in total, did you spend fishing during that trip?

TOTAL DAYS OF FISHING AT LEE’S FERRY \_\_\_\_\_\_\_\_\_

6. How many fish did you, personally, catch on that trip? (Include any fish you may have released.)

\_\_\_\_\_\_\_\_\_\_\_FISH

What was the biggest fish you, personally, caught on that trip? (Give your best estimate)

\_\_\_\_\_\_\_\_\_\_\_\_LBS \_\_\_\_\_\_\_\_\_\_\_INCHES

How many fish did you personally, keep on that trip?

\_\_\_\_\_\_\_\_\_\_\_FISH

7. How would you best describe your reason(s) for taking the trip when you were contacted at Lee's Ferry? (CIRCLE ONE NUMBER)

I TOOK THE TRIP TO LEE'S FERRY BECAUSE FISHING WAS:

1. NOT AT ALL IMPORTANT

2. SLIGHTLY IMPORTANT

3. MODERATELY IMPORTANT

4. VERY IMPORTANT

5. EXTREMELY IMPORTANT

**In this next section we would like to ask you a little more about your experiences and expectations while fishing in the Lee’s Ferry area.**

8. Fishing trips at Lee’s Ferry have a number of features. People differ on what they feel is important for them personally. In this section, there are a number of features of a Lee’s Ferry fishing trip.

* Please read each feature and indicate how important each feature was for you on your trip. (CIRCLE ONE NUMBER FOR EACH FEATURE).
* Then, in the left column, check three boxes that you would use to describe the top three features of an ideal fishing trip.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Select your top three features of an ideal fishing trip | Features of a good Trip | Very Important | Somewhat Important | Not Important |
| ❑ | Catching a trophy fish | 1 | 2 | 3 |
| ❑ | Catching a limit of fish | 1 | 2 | 3 |
| ❑ | Being in a natural setting | 1 | 2 | 3 |
| ❑ | Being with family and friends | 1 | 2 | 3 |
| ❑ | Interacting with my guide | 1 | 2 | 3 |
| ❑ | Learning about the history of Glen Canyon | 1 | 2 | 3 |
| ❑ | Relaxing; getting away from it all | 1 | 2 | 3 |
| ❑ | Stopping for lunch along the river | 1 | 2 | 3 |
| ❑ | Enjoying Good weather | 1 | 2 | 3 |
| ❑ | Seeing few others while on the river | 1 | 2 | 3 |
| ❑ | Seeing archeological sites in the canyon | 1 | 2 | 3 |
| ❑ | Camping along the river | 1 | 2 | 3 |
| ❑ | Experiencing High water level | 1 | 2 | 3 |
| ❑ | Experiencing Low water level | 1 | 2 | 3 |
| ❑ | Being in the unique natural setting of Glen Canyon | 1 | 2 | 3 |

9. How would you describe the destinations of the trip you were on when you were contacted at Lee's Ferry? (CIRCLE ONE NUMBER)

1 LEE'S FERRY WAS THE SOLE DESTINATION OF THAT TRIP

2 LEE'S FERRY WAS THE MOST IMPORTANT DESTINATION OF THAT TRIP

3 LEE'S FERRY WAS ONLY ONE OF SEVERAL EQUALLY IMPORTANT DESTINATIONS ON THAT TRIP

4 LEE'S FERRY WAS JUST AN INCIDENTAL STOP ON THE WAY TO SOME OTHER DESTINATION

Questions 10-14 will be used to identify key aspects of the mode of travel the anglers used to access the Lee’s Ferry fishing site. The responses will be used to inform and interpret estimated trip costs for anglers

10. What type of transportation did you use to travel to Lee’s Ferry? (CIRCLE ONE NUMBER)

1 Airplane 🡪 **(Skip to Question 14)**

2 PERSONAL VEHICLE

3. RENTAL VEHICLE

4. OTHER, (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. Did you drive to Lee’s Ferry for this fishing trip?

1 YES🡪How much time did you spend driving one-way? TOTAL HOURS OF DRIVING \_\_\_\_\_\_

2. NO -🡪 Skip to question 13

12. Did you pull a boat or trailer?

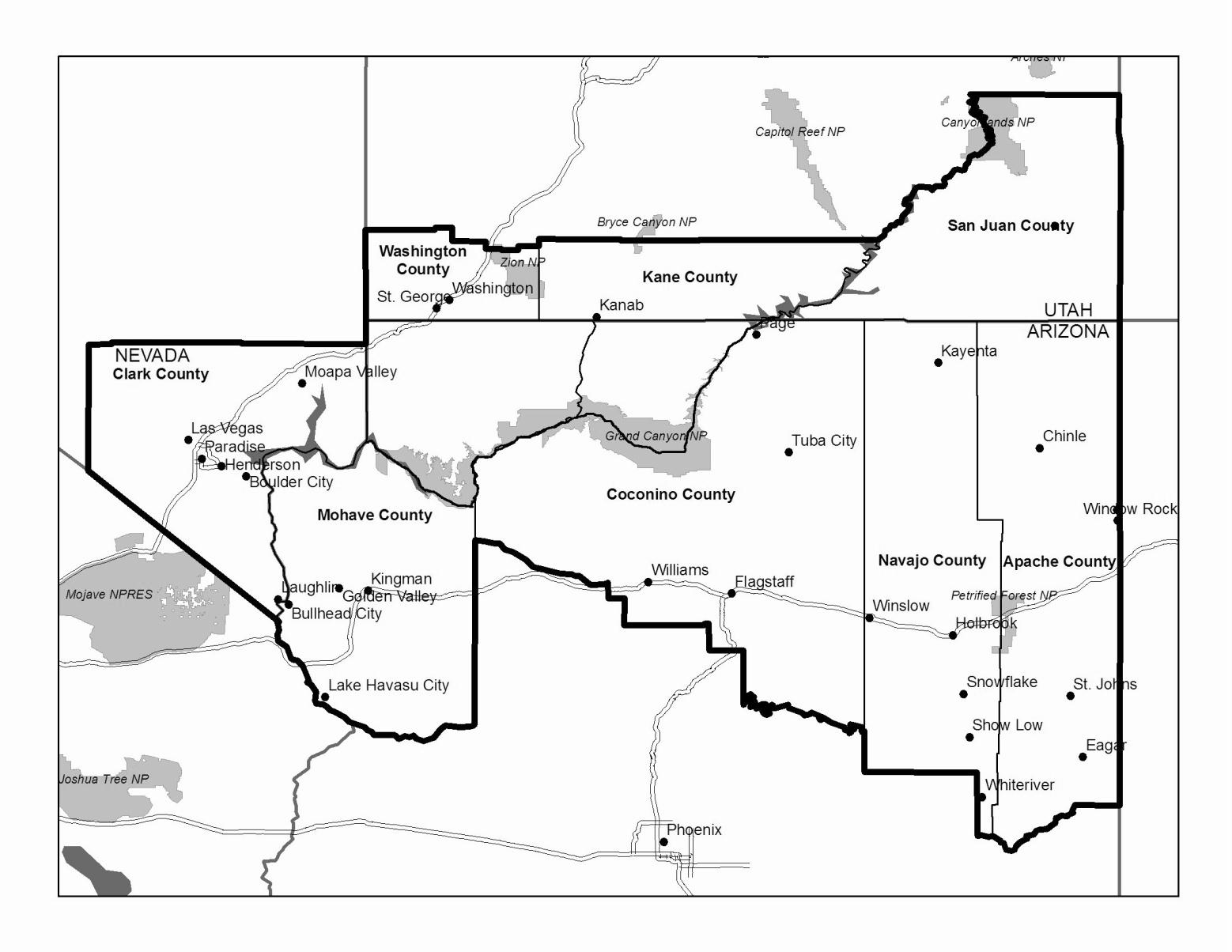
1 YES

2 NO

13. How many people travelled with you (in the same vehicle) to Lee's Ferry?

MYSELF AND \_\_\_\_\_\_\_\_\_\_\_OTHER PEOPLE

For questions 15-16 the respondent will use the map below to indicate the locations in the “area” where they made purchases or spent money for lodging, gas, etc. This is used in cost estimation models that will help establish the level of spending by anglers on the trip and to identify the locations of spending. The areas that we are interested to know more about are within the framed areas on the map below (specifically, locations in Washington, Kane and San Juan Counties, Utah; Clark County, Nevada; Mohave, Coconino, Navaho and Apache Counties, Arizona).



15. Using the map above, please tell us where you stayed during your trip to the Lee’s Ferry area? The map above shows the location of the cities listed. **Please check** all of the locations **that apply and then indicate the number of nights spent in each place or indicate “other” if the place is outside the area or not listed on the map.**

* Kanab, UT → number of nights \_\_\_\_\_\_\_\_
* St. George, UT → number of nights \_\_\_\_\_\_\_\_
* Page, AZ → number of nights \_\_\_\_\_\_\_\_
* Grand Canyon Village, AZ → number of nights \_\_\_\_\_\_\_\_
* Flagstaff, AZ → number of nights \_\_\_\_\_\_\_\_
* Kingman, AZ → number of nights \_\_\_\_\_\_\_\_
* Boulder City, NV → number of nights \_\_\_\_\_\_\_\_
* Henderson, NV → number of nights \_\_\_\_\_\_\_\_
* Las Vegas, NV → number of nights \_\_\_\_\_\_\_\_
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → number of nights \_\_\_\_\_\_\_\_

16. Please estimate how much this trip cost. The estimates should only include the costs for you only (and not the cost you may have paid for others in your group). Include only money spent on items specifically for this trip. If an item listed was not specifically purchased for this trip, please put $0.

In the first column, please write the total amount you spent on the trip to Lee’s Ferry. In the second column put only the amount you spent in the counties and towns within the borders highlighted on the map above.

Total Spent on Trip Spent in Local Area

Guide fees $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Airfare $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Car rental $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Gas and oil for vehicle and boats $ \_\_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Food and beverages (from grocery stores) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Restaurant meals $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Lodging (motels and hotels - before and after trip) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Camping fees $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Personal gear (suntan lotion, sunglasses, film for camera) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Boat gear purchased specifically for this trip $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Native American art and craft items purchased

from roadside vendors $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_

**TOTAL AMOUNT TRIP COST (Please add all payments) $ \_\_\_\_\_\_\_\_\_ $\_\_\_\_\_\_\_**

Question 17 will be used to provide an estimate of the net economic value of the anglers’ fishing trips on this stretch of the Colorado River. The dollar amount ($XX) below will be randomly replaced with the different bid amounts of which each respondent will randomly be given one amount ($10, $25, $50, $75, $100, $125, $150, $175, $200, $225, $250, .… $500).

17. If your expenses had been $ \_\_\_XX\_\_\_\_\_ more than the total in the above calculations, would you still have taken this trip to Lee's Ferry? Remember, if your trip cost you more than you actually spent, you would have less money to spend on other things. (CIRCLE ONE NUMBER)

1 YES, the trip would still be worthwhile

2 NO, it would not be worthwhile

After reading explanatory material, each respondent will be asked to answer 6 variants of the choice question. Each variant (or choice occasion) will present a choice between taking 2 hypothetical Lee’s Ferry fishing trips that differ with respect to one or more key trip attributes. Respondents may also choose neither hypothetical trip (choose the “Not Visit” option).

**Note to Reviewer: We will use the respondent on site intercept date. We will use a record of flow levels for that date and will provide this information to the respondent as the way to anchor their understanding of the flow levels they experienced during their trip.**

**In this section we would like to know a bit more about what characteristics of a Lee’s Ferry fishing trip are most important to you.**

**PLEASE READ CAREFULLY**

*River flows at Lee's Ferry are affected by the operation of Glen Canyon Dam. River flows, in turn, may have an impact on the quality of a fishing trip at Lee's Ferry in many ways. Fish might be easier or harder to catch, access along the banks may be better or worse, or boats may be easier or harder to handle.*

*In the next series of questions we will describe several types of river conditions at Lee's Ferry. For each condition, we have described the potential effects on fishing. Our descriptions of these effects are based on previous studies of fishing at Lee's Ferry.*

*They are included to help you evaluate the fishing under the various conditions. Since these descriptions are based on the general opinions of Lee's Ferry anglers, your own personal opinions about the effects may differ. For each type of condition, we would like you to tell us how the river flow would have affected the quality of the fishing trip you were on when you filled out the short survey. Records from Glen Canyon Dam show that the average water flow that day was \_\_\_\_\_\_\_\_\_\_cubic feet per second (cfs), with a high flow of \_\_\_\_ cfs and a low flow of\_\_\_\_\_\_\_\_\_ cfs.*

*To help put these numbers in perspective, bank and boat anglers sometimes have difficulty fishing at high water levels (over 25,000 cfs) because of the swift current. In addition, some anglers may experience trouble in handling their boats in flows above 25,000 cfs. In the past, the National Park Service has imposed a 25 horsepower requirement on motors when flows have exceeded 40,000 cfs. On the other end of the scale, low water levels (below 9,000 cfs) may tend to concentrate the fish. While low water levels may make access easier for bank anglers, boat anglers start experiencing more damage to boats and motors. In addition, it is known that very few boat anglers can pass over the sand and gravel bar three miles upstream from Lee's Ferry when the flow is less than 3,000 cfs.*

**River Flow Levels at Lee’s Ferry depend on the amount of water available for release through Glen Canyon Dam from Lake Powell, which will vary both within a year and from year to year. We would now like to ask you to think about different conditions you might experience during a fishing trip in the Lee’s Ferry area. For the questions in the following section we would like you to consider how river flows and fluctuations, fishing success and trip cost affect your view of a Lee’s Ferry fishing trip.**

|  |
| --- |
| **The different conditions described below will be used in the questions in the following section**  **3*,000 cubic feet per second (cfs)--*** *Boat anglers have said that getting upstream to fish can sometimes be a problem at low water (3,000 cfs or less). At a constant flow of 3,000 cfs, large boats can't get past the sand and gravel bar three miles upstream from Lee's Ferry, while even very small boats may have to be dragged over slippery rock gravel bars. Consequently, nearly all of the fishing would occur in the three miles just above Lee's Ferry. In addition, damage to boats and motors is somewhat more frequent than at higher water levels. However, low water tends to concentrate fish, and bank anglers can find large areas of exposed gravel and rocks leaving a great deal of space between the water and the edge of the vegetation.*  ***10,000 cfs****-- Boat anglers seem to experience fewer problems with damage to their boats and motors when the water is at least 10,000 cfs, and boats can get up and downstream with no difficulty. At a flow of 10,000 cfs, bank anglers would still find exposed gravel and rock bars and some room between the water's edge and shore vegetation. In previous studies, about 40 percent of the anglers have said that they feel the fishing is generally better at constant flows of 10,000 cfs than when the water level is higher.*  ***25,000 cfs—****Next, consider a constant flow of 25,000 cfs. There is no minimum motor horsepower restriction, although motors with 10 hp or less may have problems getting upstream. The chance of damage to boats and motors due to obstructions in the water are small, but the high flows of 25,000 cfs may increase the chances of swamping a boat while dragging an anchor, especially for inexperienced boaters. Fish may be less concentrated at this higher flow level. Bank anglers may have less space between the water’s edge and bank vegetation, but eddies along the shoreline are often larger and more pronounced. About 12 percent of the anglers in a recent survey felt that fishing was better at 25,000 cfs than at lower water levels in Glen Canyon.*  ***40,000 cfs****-- At constant flows of 40,000 cfs, the current is swift and the Park Service requires all boat motors to have at least a 25 horsepower motor. Large boats can get up and down the river more easily than smaller boats. The chances of damage to boats and motors due to obstructions in the water are smaller than at lower flows. However, for inexperienced boaters the high water increases the chances of boats being swamped while dragging anchors. Eddies along the shoreline are larger and well defined, but bank anglers find the water is up into the bank vegetation and this may make bank fishing more difficult for them. At these high flows, fish feeding patterns may change since fish would generally stay out of the main current. Fish may be harder to find.* |

**Fluctuations in River Flow are managed by releases from Glen Canyon Dam and generally are either steady or fluctuate 5,000 to 8,000 cfs each day.**

**Steady Flow Levels—**Flow levels remain steady throughout your trip with no daily fluctuations.

***5,000 to 8,000 cfs daily fluctuation in flows****—For purposes of hydroelectric generation flows increase or decrease as much as 5,000 to 8,000 cfs during a 24 hour period. With flows changing by 5,000 to 8,000 cfs, boats may get swamped if they are tied too tightly to the bank during a fluctuation. There is also the chance of getting stranded above 3 mile bar if the water drops substantially. On the other hand, biological studies give some indication that rising water may cause the fishing to improve as fish consume food stirred up by the rising water.*

**Number and size of fish caught on your trip. While the number and size of fish caught are in part a function of the river flow, they are primarily driven by long term conditions in the river including available food, sedimentation and other factors. Some alternative conditions are:**

**Same conditions as on your trip—***Assume that you caught the same**number and size of fish that you actually caught on your trip in Glen Canyon.*

**Double the number of fish you caught**—*Assume that you would catch twice the total number of fish you caught on your trip.*

**Double the chance of you catching a “trophy” fish—***Assume that your chances of catching a trophy fish (over three pounds) on the trip was double that you experienced on your previous trip.*

**Trip Cost**

Please think about how much you personally spent on your Glen Canyon fishing trip and consider how your decision to make the trip would have been affected if your costs had been higher by the amount shown in the question.

Questions 18-23 will be used toinform the marginal values associated with different flow and non-flow trip attributes. The survey will include 6 variants of this question which will be posed to each respondent. The different variants will use the different attribute levels described on the previous two pages in unique question formats. The specific combinations of attribute level in the questions will be designed to optimize the efficiency of the sample design. The variants specific to the survey will be statistically generated using a set of SAS Macros designed for this purpose. Note that for some trip characteristics conditions may be the same for Trip A and Trip B. Levels of the cost attributes will be selected from a preliminary range of $40 to $750 dollars using 4 selected levels.

Questions 18-23 show an example of one possible combination of trip attribute levels for the choice questions.

**The next 6 questions offer hypothetical choices (these are examples that are used for the purpose of this study and are not the actual management choices to be considered) between Lee’s Ferry fishing trips that differ from one another in terms of river flow, river fluctuations, number and size of fish caught, and trip cost. We are interested in the conditions on a trip that would be most appealing to you.**

**We know that these are not the only choices of conditions for Glen Canyon fishing trips, however, as you answer each question please assume that the two trips describe your only two choices, in addition to the option of not taking a Lee’s Ferry fishing trip.**

**18. Please check ONE box at the bottom of the table to indicate whether you prefer Trip A, Trip B, or Not Visit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip Characteristic** | | **Trip A** | **Trip B** | **Not Visit** |
| Assume that everything about your Lee’s Ferry trip were the same except the following | Assume that everything about your Lee’s Ferry trip were the same except the following | **I would not choose to take a Lee’s Ferry Fishing trip if these were my only choices** |
| **Conditions during trip** | Average River Flow Level | 3,000 cfs | 25,000 cfs |
| River flow fluctuation | Steady Flow levels | 5,000-8,000 cfs flow fluctuations |
| Number of Fish Caught | Double the number of fish you caught on your trip | No change in the number of fish you caught |
| Size of fish caught | No change in the chance of catching a trophy fish | Double the chance of catching a trophy fish |
| Your individual trip costs **increased by** | $500 | $750 |
| **I would choose**  **(check one only)** | | **Trip A**  **□** | **Trip B**  **□** | **Not Visit**  **□** |

**19. Please check ONE box at the bottom of the table to indicate whether you prefer Trip A, Trip B, or Not Visit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip Characteristic** | | **Trip A** | **Trip B** | **Not Visit** |
| Assume that everything about your Lee’s Ferry trip were the same except the following | Assume that everything about your Lee’s Ferry trip were the same except the following | **I would not choose to take a Lee’s Ferry Fishing trip if these were my only choices** |
| **Conditions during trip** | Average River Flow Level | 10,000 cfs | 25,000 cfs |
| River flow fluctuation | Steady Flow levels | 5,000-8,000 cfs flow fluctuations |
| Number of Fish Caught | Double the number of fish you caught on your trip | No change in the number of fish you caught |
| Size of fish caught | No change in the chance of catching a trophy fish | Double the chance of catching a trophy fish |
| Your individual trip costs **increased by** | $500 | $40 |
| **I would choose**  **(check one only)** | | **Trip A**  **□** | **Trip B**  **□** | **Not Visit**  **□** |

**20. Please check ONE box at the bottom of the table to indicate whether you prefer Trip A, Trip B, or Not Visit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip Characteristic** | | **Trip A** | **Trip B** | **Not Visit** |
| Assume that everything about your Lee’s Ferry trip were the same except the following | Assume that everything about your Lee’s Ferry trip were the same except the following | **I would not choose to take a Lee’s Ferry Fishing trip if these were my only choices** |
| **Conditions during trip** | Average River Flow Level | 3,000 cfs | 3,000 cfs |
| River flow fluctuation | Steady Flow levels | Steady Flow levels |
| Number of Fish Caught | Double the number of fish you caught on your trip | No change in the number of fish you caught |
| Size of fish caught | No change in the chance of catching a trophy fish | Double the chance of catching a trophy fish |
| Your individual trip costs **increased by** | $750 | $500 |
| **I would choose**  **(check one only)** | | **Trip A**  **□** | **Trip B**  **□** | **Not Visit**  **□** |

**21. Please check ONE box at the bottom of the table to indicate whether you prefer Trip A, Trip B, or Not Visit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip Characteristic** | | **Trip A** | **Trip B** | **Not Visit** |
| Assume that everything about your Lee’s Ferry trip were the same except the following | Assume that everything about your Lee’s Ferry trip were the same except the following | **I would not choose to take a Lee’s Ferry Fishing trip if these were my only choices** |
| **Conditions during trip** | Average River Flow Level | 40,000 cfs | 25,000 cfs |
| River flow fluctuation | 5,000-8,000 cfs flow fluctuations | 5,000-8,000 cfs flow fluctuations |
| Number of Fish Caught | Double the number of fish you caught on your trip | No change in the number of fish you caught |
| Size of fish caught | No change in the chance of catching a trophy fish | Double the chance of catching a trophy fish |
| Your individual trip costs **increased by** | $175 | $40 |
| **I would choose**  **(check one only)** | | **Trip A**  **□** | **Trip B**  **□** | **Not Visit**  **□** |

**22. Please check ONE box at the bottom of the table to indicate whether you prefer Trip A, Trip B, or Not Visit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip Characteristic** | | **Trip A** | **Trip B** | **Not Visit** |
| Assume that everything about your Lee’s Ferry trip were the same except the following | Assume that everything about your Lee’s Ferry trip were the same except the following | **I would not choose to take a Lee’s Ferry Fishing trip if these were my only choices** |
| **Conditions during trip** | Average River Flow Level | 25,000 cfs | 25,000 cfs |
| River flow fluctuation | Steady Flow levels | 5,000-8,000 cfs flow fluctuations |
| Number of Fish Caught | Double the number of fish you caught on your trip | No change in the number of fish you caught |
| Size of fish caught | Double the chance of catching a trophy fish | Double the chance of catching a trophy fish |
| Your individual trip costs **increased by** | $175 | $750 |
| **I would choose**  **(check one only)** | | **Trip A**  **□** | **Trip B**  **□** | **Not Visit**  **□** |

**23**. **Please check ONE box at the bottom of the table to indicate whether you prefer Trip A, Trip B, or Not Visit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trip Characteristic** | | **Trip A** | **Trip B** | **Not Visit** |
| Assume that everything about your Lee’s Ferry trip were the same except the following | Assume that everything about your Lee’s Ferry trip were the same except the following | **I would not choose to take a Lee’s Ferry Fishing trip if these were my only choices** |
| **Conditions during trip** | Average River Flow Level | 10,000 cfs | 3,000 cfs |
| River flow fluctuation | Steady Flow levels | 5,000-8,000 cfs flow fluctuations |
| Number of Fish Caught | Double the number of fish you caught on your trip | No change in the number of fish you caught |
| Size of fish caught | No change in the chance of catching a trophy fish | No change in the chance of catching a trophy fish |
| Your individual trip costs **increased by** | $17 | $40 |
| **I would choose**  **(check one only)** | | **Trip A**  **□** | **Trip B**  **□** | **Not Visit**  **□** |

Questions 24- 26 will be used to identify the number and frequency of trips to Lee’s Ferry and to determine how important this site is to the angler.

**In this section we would like to find out about your fishing background.**

24. Was 2014 your first year of fishing at Lee's Ferry? (CIRCLE ONE)

1 YES

2 NO---🡪Including this year, how many years have you fished at Lee's Ferry? \_\_\_\_\_\_\_YEARS

----- -🡪About how many trips do you make to Lee's Ferry in an average year? \_\_\_\_\_\_\_TRIPS

25. Was the fishing trip when you filled out our short survey the only trip you have made to Lee's Ferry in the last 12 months? (CIRCLE ONE)

1 YES

2 NO🡪 Including the trip when you filled out our short survey, how many trips have you made in the last 12 months? \_\_\_\_\_\_TRIPS

🡪What is the average number of days you spend at Lee's Ferry on a typical fishing trip there? \_\_\_\_DAYS

26. Some people have many other activities which they enjoy as much as fishing at Lee's Ferry. Others have very few. Which of the following statements most closely reflects how you feel? (CIRCLE ONE)

1 IF I COULDN’T GO FISHING AT LEES’S FERRY, I PROBABLY WOULD NOT MISS IT AT ALL AND WOULD FIND SOMETHING ELSE THAT WAS JUST AS ENJOYABLE

2 IF I COULDN’T GO FISHING AT LEES’S FERRY, I WOULD MISS IT, BUT NOT AS MUCH AS A LOT OF OTHER THINGS I NOW ENJOY

3 IF I COULDN’T GO FISHING AT LEES’S FERRY, I WOULD MISS IT MORE THAN MOST OF THE OTHER INTERESTS I NOW ENJOY

4 IF I COULDN’T GO FISHING AT LEES’S FERRY, I WOULD MISS IT MORE THAN ALL OF THE OTHER INTERESTS I NOW ENJOY

IF YOU WERE NOT ABLE TO FISH AT LEE”S FERRY, what would you most likely do with your time instead?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Question 27-34 - will be used to determine baseline demographics about anglers

**In this final section, we would like to ask some questions about your background and occupation which will help us compare your answers with those of other people. We stress that all of your answers are completely anonymous.**

27. How old are you? \_\_\_\_\_ years old

28. Are you:

1 MALE

2 FEMALE

28. Which of the following indicates your level of education? (SELECT ONE)

\_\_\_\_\_ 8th grade or less \_\_\_\_\_ College graduate

\_\_\_\_\_ 9th to 11th grade \_\_\_\_\_ Some graduate work

\_\_\_\_\_ 12th grade (high school graduate) \_\_\_\_\_ Masters, Doctoral, or Professional Degree

\_\_\_\_\_ Some college

30. Which of the following best describes your employment status? (SELECT ONE)

\_\_\_\_\_ Employed, full time \_\_\_\_\_ Homemaker

\_\_\_\_\_ Employed, part time \_\_\_\_\_ Unemployed

\_\_\_\_\_ Retired, but working full time \_\_\_\_\_ Student

\_\_\_\_\_ Retired, but working part time \_\_\_\_\_ Other (Please specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ Retired, but not working

31. Are you Hispanic or Latino? (SELECT ONE)

\_\_\_\_\_ Yes

\_\_\_\_\_ No

32. Please tell us which of the following best indicates your race. (SELECT ONE OR MORE)

\_\_\_\_\_ American Indian or Alaskan Native

\_\_\_\_\_ Asian

\_\_\_\_\_ Black or African-American

\_\_\_\_\_ Native Hawaiian or other Pacific Islander

\_\_\_\_\_ White

34. Which of the following best describes your household income before taxes? (SELECT ONE)

\_\_\_\_\_ Less than $20,000 \_\_\_\_\_ $70,000 - $79,999

\_\_\_\_\_ $20,000 - $29,999 \_\_\_\_\_ $80,000 - $89,999

\_\_\_\_\_ $30,000 - $39,999 \_\_\_\_\_ $90,000 - $99,999

\_\_\_\_\_ $40,000 - $49,999 \_\_\_\_\_ $100,000 - $149,999

\_\_\_\_\_ $50,000 - $59,999 \_\_\_\_\_ $150,000 - $199,999

\_\_\_\_\_ $60,000 - $69,999 \_\_\_\_\_ $200,000 or more

35. Is there anything else you would like to tell us about your visit to Lee’s Ferry? Attach additional pages if needed.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thanks again for your help. Please place your completed questionnaire in the envelope provided and drop it in any mailbox.**