Map 1: Central Portion of the Columbia River Basin
A. INTRODUCTION

The Columbia River Basin is located in Washington, Oregon, Idaho, Western Montana and portions of Southwestern Canada. A large portion of the basin is shown in Map 1, which is located on the inside cover of your survey.

A1 Have you ever traveled to rivers, lakes, or reservoirs in the Columbia River Basin for recreation purposes? (CIRCLE NUMBER OF BEST ANSWER.)

1 YES
2 NO
3 DON'T KNOW

A2 Dam operations affect the water levels of rivers and lakes in the Columbia River Basin. Are you aware of any recent year-to-year changes in dam operations and water levels? (CIRCLE NUMBER OF BEST ANSWER.)

1 YES
2 NO
3 DON'T KNOW

A3 Government agencies control dam operations which affect water levels in the Columbia River Basin. In general, how satisfied are you with the overall water management activities of these agencies? (CIRCLE NUMBER OF BEST RESPONSE.)

VERY DISSATISFIED

\[
\begin{array}{ccccccc}
1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\
\end{array}
\]

Map 2, which is also located on the inside cover of your survey, shows detailed information for a region of the Columbia River Basin that is located near you. When the questions below refer to "your region" or "a region," they are referring to the region shown on Map 2.

A4 Overall, how good are the water-based recreation opportunities in the region of the Columbia River Basin depicted on Map 2? (CIRCLE NUMBER OF BEST RESPONSE.)

VERY POOR

\[
\begin{array}{ccccccc}
1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\
\end{array}
\]
B. YOUR RECREATIONAL ACTIVITIES IN THE REGION OF THE PACIFIC NORTHWEST ON MAP 2

Many people take trips to do water-based recreational activities. By "water-based recreation activities" we mean activities such as fishing, boating, swimming, and shore-related activities including picnicking, wildlife viewing, hunting, and sightseeing.

A "trip" is any time you leave home, whether for several hours or several days. Do not include trips that other family members made unless you also went on this trip.

B1 Have you taken a trip in the past twelve months to do water-based recreation activities at rivers, streams, lakes, or reservoirs in the region of the Columbia River Basin shown on Map 2? (CIRCLE NUMBER OF BEST ANSWER)

1 YES -------------> HOW MANY TRIPS WITHIN THE REGION ON MAP 2 HAVE YOU TAKEN IN THE PAST TWELVE MONTHS? _______ TRIPS
2 NO  --------------> SKIP TO Section D, TOP OF PAGE 6
3 DON'T KNOW --------> SKIP TO Section D, TOP OF PAGE 6

B2 What water-based recreation activities have you engaged in during the past twelve months in the region shown on Map 2? (CIRCLE THE NUMBERS FOR ALL THAT APPLY TO YOU.)

1 FISHING FROM SHORE
2 MOTORIZED BOATING
3 SAILBOARDING
4 SWIMMING
5 SIGHTSEEING, WILDLIFE VIEWING
11 OTHER (PLEASE DESCRIBE)_________
6 FISHING FROM BOAT
7 WATERSKIING, JETSKIING
8 RAFTING, KAYAKING, CANOEING
9 CAMPING
10 PICNICKING

B3 Which one of the above activities did you do most frequently in the past twelve months?

_________ (ENTER THE NUMBER FOR THE ACTIVITY FROM B2 ABOVE)
C. ABOUT YOUR TRIPS TO REGIONAL LAKES AND RIVERS

C1 Consider the list of lakes and other waters below. The location of these waters is shown on Map 2.

In the table below, enter the number of water based recreation trips you took in the past twelve months to each of the waters listed in the table. Consider only trips you took for recreation.

If you visited more than one water on a given trip, please enter your trip just for the water where you spent most of your time.

If you haven't taken a trip to a particular lake, either at all or during a particular month, enter a "0".

<table>
<thead>
<tr>
<th>WATER BODY</th>
<th>TOTAL NUMBER OF TRIPS IN LAST 12 MONTHS</th>
<th>NUMBER OF TRIPS</th>
<th>TYPICAL LENGTH OF TRIP (IN DAYS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Roosevelt</td>
<td></td>
<td>MAY</td>
<td>JUNE</td>
</tr>
<tr>
<td>Lake Umatilla</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Granite Lake</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Other Waters in this Region</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
D. HOW WOULD CHANGES IN WATER LEVELS AFFECT YOUR RECREATION TRIPS?

Please look at Side 1 of the enclosed insert. At one point during this past summer, Lake Roosevelt looked much like it does in photo A and Lake Umatilla looked much like it does in photo C. Lines A and C on the graphs show what the water levels were this past summer.

If the dams in this region had been operated differently this summer, the water level at Lake Roosevelt would have looked much like photo B and the water level at Lake Umatilla like photo D. Lines B and D on the graphs show what the water levels would be with these changes. The Tables on the insert show how the number of recreation facilities would differ with changing water levels.

Due to the life cycle of salmon and steelhead, assume there would not have been any changes in salmon and steelhead populations and recreational catch rates for these species this last summer.

Suppose that all of the following changes had taken place this last year:

- The water levels in both Lake Roosevelt and Lake Umatilla were as lines B and D on the two graphs, instead of lines A and C.
- There were no significant changes in usual conditions at any other waters in the region on Map 2.

D1 Under conditions B and D, would you have changed the number of trips you made to any waters in the Region on Map 2: (CIRCLE NUMBER OF BEST ANSWER)
1 YES
2 NO --------------> SKIP TO TOP OF PAGE 7
3 DON'T KNOW ------> SKIP TO TOP OF PAGE 7

D2 Under conditions B and D, how many more or fewer trips (as compared to your answers in question C1) would you have taken to waters in the Region last year? Enter the increase or decrease in the number of trips in the appropriate box.

<table>
<thead>
<tr>
<th>WATER BODY</th>
<th>MORE TRIPS?</th>
<th>FEWER TRIPS?</th>
<th>SAME NUMBER OF TRIPS?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Roosevelt</td>
<td>______ Number More</td>
<td>______ Number Fewer</td>
<td>______ Enter a 0 here if same as in C1</td>
</tr>
<tr>
<td>Lake Umatilla</td>
<td>______ Number More</td>
<td>______ Number Fewer</td>
<td>______ Enter a 0 here if same as in C1</td>
</tr>
<tr>
<td>Lower Granite Lake</td>
<td>______ Number More</td>
<td>______ Number Fewer</td>
<td>______ Enter a 0 here if same as in C1</td>
</tr>
<tr>
<td>All Other Waters in this Region</td>
<td>______ Number More</td>
<td>______ Number Fewer</td>
<td>______ Enter a 0 here if same as in C1</td>
</tr>
</tbody>
</table>
WATER LEVEL CHANGES AT LOWER GRANITE LAKE & LAKE UMATILLA: SIDE 2 OF INSERT

Now suppose that, instead of the change you just considered, a different change is made in the way that the dams in this region are operated. Please look this time at Side 2 of the enclosed insert, which depicts Lower Granite Lake and Lake Umatilla and describes the number of recreation facilities available at different water levels. Lines E and G on the graphs show what the water levels were this past summer.

Suppose that all of the following changes had taken place this last year:

- The water levels in both Lower Granite Lake and Lake Umatilla were as lines F and H on the two graphs, instead of lines E and G.
- The water levels behind other dams located on the Snake River between Lower Granite Lake and Pasco, WA were also like line F instead of line E. These dams are not shown on Map 2.
- There were no significant changes in usual conditions at any other waters in the region on Map 2.

D3 Under conditions F and H, would you have changed the number of trips you made to any waters in the Region on Map 2: (CIRCLE NUMBER OF BEST ANSWER)

1  YES
2  NO ------------------------> SKIP TO SECTION E, TOP OF NEXT PAGE
3  DON'T KNOW -----------> SKIP TO SECTION E, TOP OF NEXT PAGE

D4 Under conditions F and H, how many more or fewer trips (as compared to your answers in question C1) would you have taken to waters in the Region in the last year? Enter the increase or decrease in the number of trips in the appropriate box.

<table>
<thead>
<tr>
<th>WATER BODY</th>
<th>MORE TRIPS?</th>
<th>FEWER TRIPS?</th>
<th>SAME NUMBER OF TRIPS?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Roosevelt</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Lake Umatilla</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Granite Lake</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Other Waters in the Region</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>Number More</td>
<td>Number Fewer</td>
<td>Enter a 0 here if same as in C1</td>
</tr>
<tr>
<td>---</td>
<td>Number More</td>
<td>Number Fewer</td>
<td>Enter a 0 here if same as in C1</td>
</tr>
<tr>
<td>---</td>
<td>Number More</td>
<td>Number Fewer</td>
<td>Enter a 0 here if same as in C1</td>
</tr>
<tr>
<td>---</td>
<td>Number More</td>
<td>Number Fewer</td>
<td>Enter a 0 here if same as in C1</td>
</tr>
</tbody>
</table>
E. ABOUT YOUR TYPICAL TRIPS

We would like some information on trips that you have taken to each of the waters below. Please fill-out the table below for your most typical trip to each water that you have visited in the last 12 months. If your most typical trip was a multiple destination trip, in other words, you traveled to more than one water body during that trip, do not enter information for that trip on the table. Instead, enter information for another typical trip, if any, that did not include travel to other waters.

<table>
<thead>
<tr>
<th>INFORMATION CATEGORIES</th>
<th>A TYPICAL TRIP TO LAKE ROOSEVELT</th>
<th>A TYPICAL TRIP TO LAKE UMATILLA</th>
<th>A TYPICAL TRIP TO LOWER GRANITE LAKE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month trip taken</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Was recreation the primary purpose of this trip?</td>
<td>YES NO</td>
<td>YES NO</td>
<td>YES NO</td>
</tr>
<tr>
<td>(CIRCLE YES OR NO)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>What is your main recreational activity?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amount of time spent traveling one way</td>
<td>HOURS</td>
<td>HOURS</td>
<td>HOURS</td>
</tr>
<tr>
<td>Approximate round trip transportation costs (gas, wear &amp; tear on vehicle)</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Number of people sharing expenses, including yourself</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total amount of time spent at the lake/river</td>
<td>HOURS</td>
<td>HOURS</td>
<td>HOURS</td>
</tr>
<tr>
<td>Do you give up earnings from a job to go on trips like these? (CIRCLE YES OR NO)</td>
<td>YES NO</td>
<td>YES NO</td>
<td>YES NO</td>
</tr>
<tr>
<td>Do you stay overnight? (CIRCLE YES OR NO)</td>
<td>YES NO</td>
<td>YES NO</td>
<td>YES NO</td>
</tr>
<tr>
<td>If yes, give number of nights &amp; camping fees or lodging costs (hotel/motel) per night</td>
<td># NIGHTS _____</td>
<td># NIGHTS _____</td>
<td># NIGHTS _____</td>
</tr>
<tr>
<td>Costs of boating (rental, and/or gas) and all other per trip boating fees</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
F. ABOUT YOU AND YOUR HOUSEHOLD

Your answers to the questions below are important in order to better understand all survey responses. Your answers will be treated completely confidentially and you will not be identified in any way.

F1 What is your gender? (CIRCLE THE APPROPRIATE NUMBER BELOW.)
1 MALE 2 FEMALE

F2 Including 1993, about how many years have you lived in your state?
______ YEARS

F3 What is the zip code and county at your current residence?
______ ZIP CODE _______________ COUNTY

F4 Do you own or rent a vacation home or other secondary residence located near recreation waters in the Columbia River Basin? (CIRCLE NUMBER OF BEST ANSWER)

1 YES -----> What town is nearest that home? ________________________ (TOWN & STATE)

What is the home’s distance from your permanent residence? _____ (MILES)

2 NO

F5 Do you own a boat or other watercraft? (CIRCLE NUMBER OF BEST ANSWER)

1 YES _____________________________> IF YES, CIRCLE TYPE OF CRAFT(S)
1. FISHING BOAT
2. WATER SKIING BOAT
3. JETSKI
4. KAYAK, SAILING, OR WINDSURFING
5. HOUSEBOAT
6. OTHER--->_______________________

2 NO

F6 Did you purchase a fishing license in 1993? (CIRCLE NUMBER OF BEST ANSWER)

1 YES -----> In what state(s) did you purchase a license(s)? _______ (STATE #1)

_______ (STATE #2)

2 NO

F7 Do you fish for either salmon or steelhead?

1 YES 2 NO
F8 What is your age in years?

______ YEARS

F9 Including yourself, how many people in your household are in each of the following age groups? (ENTER NUMBER OF PERSONS IN EACH AGE GROUP).

______ UNDER 5 YEARS OF AGE ______ 21 TO 65 YEARS OF AGE
______ 5 TO 17 YEARS OF AGE ______ OVER 65 YEARS OF AGE
______ 18 TO 20 YEARS OF AGE

F10 What is the highest level of schooling you have completed? (CIRCLE NUMBER OF BEST ANSWER)

1 SOME HIGH SCHOOL OR LESS
2 HIGH SCHOOL GRADUATE OR EQUIVALENT
3 SOME COLLEGE, OR VOCATIONAL SCHOOL
4 TRADE OR VOCATIONAL SCHOOL GRADUATE
5 COLLEGE GRADUATE
6 SOME GRADUATE SCHOOL
7 ADVANCED DEGREE

F11 What was your total household income in 1992 before taxes and deductions? Please include all income of your household including social security, interest, dividends from investments, welfare payments, child support, etc.? (CIRCLE NUMBER OF BEST ANSWER)

1 UNDER $10,000
2 $10,000 - $14,999
3 $15,000 - $19,999
4 $20,000 - $29,999
5 $30,000 - $39,999
6 $40,000 - $49,999
7 $50,000 - $59,999
8 $60,000 - $69,999
9 $70,000 - $79,999
10 $80,000 - $99,999
11 $100,000 - $124,999
12 $125,000 - $149,999
13 $150,000 - $200,000
14 MORE THAN $200,000
15 CHOOSE NOT TO ANSWER

F12 Was 1992 an unusual year in terms of your normal annual income or wage? (CIRCLE NUMBER OF BEST ANSWER)

1 YES -------> Was it an unusually high or low income/wage year?

(CIRCLE ONE) HIGH LOW

2 NO

F13 If employed outside of the home, please categorize your approximate hourly wage rate before taxes. (CIRCLE NUMBER OF BEST ANSWER)

1 UNDER $5 PER HOUR
2 $5 - 7.99
3 $8 - $11.99
4 $12 - $14.99
5 $15 - $19.99
6 $20 - $24.99
7 $25 - $29.99
8 $30 - $39.99
9 $40 - $49.99
10 MORE THAN $50 PER HOUR
11 DOES NOT APPLY
12 CHOOSE NOT TO ANSWER

Please go to Page 12 on the back of the map to complete the survey.
Lake Roosevelt

Photo A: Spring Canyon, water level is 4 ft. below full pool.

<table>
<thead>
<tr>
<th>Number of Usable Recreation Facilities at Different Water Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

Photo B: Spring Canyon, water level is 20 ft. below full pool.

End-of-Month Water Levels

# of Feet Below Full Pool

- Line A
- Line B

End of Month

- April 30
- May 31
- June 30
- July 31
- Aug 31
Lake Umatilla

Photo C: Le Page Park, water level is 5 ft. below full pool, boat ramp is usable.

<table>
<thead>
<tr>
<th>Number of Usable Recreation Facilities at Different Water Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>D</td>
</tr>
</tbody>
</table>

Photo D: Le Page Park, water level is 1 ft. below full pool, boat ramp is usable.
Lower Granite Lake

Photo E: Lewiston Levee, water level is 3 ft. below full pool.

Photo F: Lewiston Levee, water level is 33 ft. below full pool.

<table>
<thead>
<tr>
<th>Number of Usable Recreation Facilities at Different Water Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Photo</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>E</td>
</tr>
<tr>
<td>F</td>
</tr>
</tbody>
</table>

End-of-Month Water Levels

- Line E
- Line F

April 30 | May 31 | June 30 | July 31 | Aug 31

Month
Lake Umatilla

Photo G: Le Page Park, water level is 5 ft. below full pool, boat ramp is usable.

Photo H: Le Page Park, water level is 11 ft. below full pool, boat ramp is marginally usable.

<table>
<thead>
<tr>
<th>Number of Usable Recreation Facilities at Different Water Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photos</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>G</td>
</tr>
<tr>
<td>H</td>
</tr>
</tbody>
</table>

End-of-Month Water Levels

<table>
<thead>
<tr>
<th># of Feet Below Full Pool</th>
<th>April 30</th>
<th>May 31</th>
<th>June 30</th>
<th>July 31</th>
<th>Aug 31</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>5 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photo G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ft</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Line H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photo H</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

April 30, May 31, June 30, July 31, Aug 31
Month