Hello, my name is _______________ and I am part of a team from the University of Tennessee conducting a survey of users of TVA lakes in East Tennessee.

We would be grateful if you would take about 10 minutes to answer a series of questions about your use of TVA lakes. Your participation in this survey is completely voluntary. I want to assure you that the information you provide will be kept strictly confidential and if you do not wish to answer any particular question, just let me know. No reference will be made in oral or written reports which could link you in any way to the study.

If you have any questions concerning the nature or outputs of this research you may contact: Professor Steven Stewart at 974-1710. If you have questions about your rights as a participant, contact the Compliance Section of the UT Office of Research at 974-3466.

We would like to begin by asking you a few questions about your use of TVA lakes.

1. (a) What activities do you have planned for your trip today?

   Boating  
   Camping  
   Fishing  
   Picnicking  
   Swimming  
   Other ________

   (b) Are you fishing from a boat or from the bank?

      Bank  
      Boat  
      Both ________

   (c) What kind of boating are you participating in?

      Canoe  
      Fishing  
      Kayak  
      Leisure Boating  
      Skiing  
      Other ________

2. What other activities have you participated in at this lake in the past?

   Boating  
   Camping  
   Fishing  
   Picnicking  
   Swimming  
   Other ________

3. How many people are in your party today (including yourself)?

   ______________

4. How many days will you spend on this visit to the lake?

   ______________
5. Please think about your visits to this lake over the past twelve months. Which months did you use the lake? How many trips did you make to the lake in . . month?

<table>
<thead>
<tr>
<th>Month</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nov</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sept</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>June</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Have you made trips to any of the following lakes in the past 12 months? If so, how many visits have you made to each of these lakes in the past 12 months?

<table>
<thead>
<tr>
<th>Name</th>
<th>Visited (Yes/No)</th>
<th>Number of Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cherokee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Douglas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fontana</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fort Patrick Henry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norris</td>
<td></td>
<td></td>
</tr>
<tr>
<td>South Holston</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Watauga</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7. To the best of your knowledge, how much would you estimate that your group has spent on the following items for this trip? In which county or town was this money spent?

<table>
<thead>
<tr>
<th>Item</th>
<th>Dollars</th>
<th>County/Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Food, drinks, and refreshments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(b) Round trip cost for transportation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(c) Lodging (motels, campgrounds, etc.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(d) Boat or personal watercraft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(e) Boat launching fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(f) Private land access fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(g) Boating, fishing, or camping rental/supplies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(h) Other expenses: specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8. Do you currently have a fishing license in the state of Tennessee?
   - Yes
   - No

9. Do you currently own a boat?
   - Yes
   - No

10. Do you currently own a personal watercraft (jet ski)?
    - Yes
    - No

11. Do you own property with a view of this or any other TVA lake?
    - Yes
    - No

12. Are you a resident of Tennessee?
    - Yes
    - No

**Background Information on TVA's current management of East Tennessee Lakes:**

-- Tennessee Valley Authority was established to provide flood control, navigation, and electric power in the Tennessee Valley region.
-- TVA tries to balance these competing needs, along with economic development, recreation, and environmental quality.
-- Currently, TVA tries to keep lakes at full pool from June 1st through August 1st.
-- TVA begins draw-downs at TVA lakes on August 1st at reservoirs in the upper portions of the river system to provide flood control and hydroelectric power.
-- TVA is now considering adjusting its August 1st draw-down patterns.

In the next few questions, we want you to consider some alternative September 1 levels.

**Resident:**
In order to maintain higher water levels for this extra month, TVA would have to sacrifice hydropower generation. As a result, average electricity rates in the TVA service area would have to increase. Now we would like to ask for your input on alternative policies.

In answering the following questions, keep in mind that any additional money that you spend on your electricity bill means that you will have less money to spend on other goods and services that may be important to you.

**Non-Resident:**
In order to maintain higher water levels for this extra month, TVA would have to sacrifice hydropower generation. To offset lost hydropower revenues, TVA would implement a system where lake users would purchase a Lake Pass good for one year at all TVA lakes. The cost of the pass would depend on the amount of lost hydropower generation. Now we would like to ask for your input on alternative policies.

In answering the following questions, keep in mind that any additional money that you spend on your Lake Pass means that you will have less money to spend on other goods and services that may be important to you.

Currently, the average September 1 lake level is 20 feet below full pool. Options 1 and 2 of the following Choice Sets represent changes from the average September 1 lake level. Option 3 is always "Business as Usual" -- in other words, Option 3 indicates that TVA would make no change to its current draw-down patterns.

Version C
13. Choice Set Analysis -- Version C

**Light Tan**

- **Option 1**: 15 ft above normal  
  - Change in Cost: $75/year
- **Option 2**: 5 feet above normal  
  - Change in Cost: $50/year
- **Option 3**: normal September 1 level "Business as Usual"  
  - Change in Cost: $0/year

**Blue**

- **Option 1**: 10 ft above normal  
  - Change in Cost: $10/year
- **Option 2**: 5 ft above normal  
  - Change in Cost: $5/year
- **Option 3**: normal September 1 level "Business as Usual"  
  - Change in Cost: $0/year

**Yellow**

- **Option 1**: 25 ft below normal  
  - Change in Cost: $0/year
- **Option 2**: 40 ft below normal  
  - Change in Cost: $0/year
- **Option 3**: normal September 1 level "Business as Usual"  
  - Change in Cost: $0/year

**Grey**

- **Option 1**: 20 ft above normal  
  - Change in Cost: $100/year
- **Option 2**: 10 ft above normal  
  - Change in Cost: $5/year
- **Option 3**: normal September 1 level "Business as Usual"  
  - Change in Cost: $0/year

**Green**

- **Option 1**: 20 ft above normal  
  - Change in Cost: $50/year
- **Option 2**: 10 ft above normal  
  - Change in Cost: $25/year
- **Option 3**: normal September 1 level "Business as Usual"  
  - Change in Cost: $0/year

**Purple**

- **Option 1**: 20 ft above normal  
  - Change in Cost: $75/year
- **Option 2**: 15 ft above normal  
  - Change in Cost: $25/year
- **Option 3**: normal September 1 level "Business as Usual"  
  - Change in Cost: $0/year
IF A NONRESIDENT, SKIP TO #15.

14. Are you generally willing to pay slightly more for electricity if it means that lake levels would remain at higher levels throughout the year?

☐ 1 Yes ☐ 2 No

15. What is the most you would be willing to pay per year to have lakes kept at their full pool level until September 1st?

$ ______________

16. (a) Would you make more trips to this lake if water levels were higher in August and September?

☐ 1 Yes ☐ 2 No

(b) If yes, how many more trips?

IF NO, SKIP TO #18.

17. (a) If you were to increase your visits during the months of August and September, would you come less often during other months of the year?

☐ 1 Yes ☐ 2 No

(b) If yes, how many fewer visits would you make?

18. Do you think TVA should keep lake levels higher in winter months if it increases the risk of flooding downstream?

☐ 1 Yes ☐ 2 No

19. Did you know about TVA’s policy to begin drawing down reservoirs on August 1st before taking part in this survey?

☐ 1 Yes ☐ 2 No

20. Please consider the following attributes related to TVA lakes: Fishing opportunities, Boating opportunities, Scenic quality, Water quality, etc. As I name each one again, please rate the level of importance you place on each attribute when choosing a lake recreation site on a scale from 1 to 5 with 1 being the lowest and 5 being the highest.

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Rate (1 to 5) 5 = highest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fishing Opportunities</td>
<td>_________________________</td>
</tr>
<tr>
<td>Boating Opportunities</td>
<td>_________________________</td>
</tr>
<tr>
<td>Scenic Quality of a Lake</td>
<td>_________________________</td>
</tr>
<tr>
<td>Water Quality</td>
<td>_________________________</td>
</tr>
<tr>
<td>What else</td>
<td>_________________________</td>
</tr>
</tbody>
</table>

Version C
21. In what zip code do you live?

22. What is the highest level of education you have completed?

- Elementary or some high school
- High school graduate/GED
- Trade or vocational certification
- Some college/Associates degree
- College graduate
- Post-graduate degree

23. What year were you born?

24. To your knowledge, is your occupation (or employer) affected in any way other than electricity rates by TVA’s water level management policies?

- Yes
- No

25. About how much was your gross household income last year?

- Less than $10,000
- $10 to $19,999
- $20 to $29,999
- $30 to $39,999
- $40 to $49,999
- $50 to $59,999
- $60 to $69,999
- $70 to $79,999
- $80 to $89,999
- $90 to $99,999
- More than $100,000
- Don't know

26. What is your race?

- White
- Black
- Other (specify)

To be completed by the interviewer:
Respondents gender:

- Male
- Female