

**CHELAN PUBLIC UTILITY DISTRICT
ROCKY REACH HYDROELECTRIC PROJECT NO. 2145
STUDY PLAN OUTLINE - FINAL
October 15, 1999**

BULL TROUT INVESTIGATION

SECTION 1: INTRODUCTION

1.1 General Description of the Region and Rocky Reach Project

- Description of the Project
- Description of the watershed
- Description of land ownership
- Description of soils in the Project area
- Description of vegetation in the Project area
- Description of climate in the Project
- Description of fishery resources in the Project area
- Description of aquatic vegetation in the Project area

1.2 General Description of the Relicensing Process

- Description of Project ownership and operating license
- Intent of relicensing process

1.3 Need Statement

- To be determined by working group

SECTION 2: STUDY GOAL

- Collect and compile existing information concerning location and relative abundance of bull trout in the Project area
- Collect and compile information gathered by the Fish Presence and Habitat Use Survey study plan dated October 15, 1999, to identify location and relative abundance in the Project area
- Determine potential affect of project on bull trout life history, rearing, feeding, and migration

SECTION 3: STUDY AREA

- Description of Project boundary

SECTION 4: METHODOLOGY

- Capture bull trout
- Surgically implant depth/temperature sensitive radio tags into body cavity
- Track bull trout for life of tags

SECTION 5: TASK LIST

Task 1 - Literature Review

Task 2 - Assessment of potential bull trout capture locations

Task 3 - Capture, tag, and track bull trout

Task 4 - Analyze tracking data

Task 5 - Report

SECTION 6: ANALYSIS AND REPORTING

- Collect field data
- Analyze and interpret field data for trends in bull trout movement
- Prepare draft report
- Prepare final report

SECTION 7: STAFFING AND EQUIPMENT NEEDS

- Chelan PUD selects consultant

SECTION 8: SCHEDULE

- Initiate fieldwork April 1999

SECTION 9: BUDGET

- To be determined based on contractor selection

SECTION 10: NEXT STEPS

- Select consultant to conduct 2000 investigations
- Send draft study plans to the interested parties for review and comment
- Incorporate stakeholder comments into detailed study plans
- Conduct studies
- Incorporate data collected in bull trout study into settlement agreement

SECTION 11: REFERENCES

- To be determined