

**Rocky Reach Project  
Social Sciences Working Group**

**Recreation, Socioeconomic and Project Land Management  
Study Summaries  
May 15, 2002**

1. **Socioeconomic Study**, Final dated December 1, 2000.
2. **Recreation Use Assessment**, Final dated March 2, 2001.
3. **Project Lands Management**, Second Draft dated June 1, 2001 (final to be issued once boundary survey completed)
4. **Recreation Resources Inventory**, Revised Final dated September 21, 2001.
5. **Recreation Needs Forecast**, Final dated September 21, 2001.

**Socioeconomic Study (Final December 1, 2000)**

- Documents current and recent historical conditions with respect to the regional population and economy as well as the impacts of continued operations of the Rocky Reach Dam within the impact area comprised of Chelan and Douglas counties, located in the central portion of Washington state.
- Focus of the study on determining the influence of the Rocky Reach Dam on specific industrial sectors and communities within the two-county region.
- Industrial sectors that have been impacted by the Rocky Reach Dam include the agricultural, basic metals (aluminum) manufacturing, tourism and recreation, and public utilities sectors.
- Communities that have been most affected by the Rocky Reach Dam include the city of Entiat (Chelan County) and the unincorporated community of Orondo (Douglas County).
- The analysis indicates that the agriculture sector, which receives water from the reservoir behind Rocky Reach Dam for irrigation, contributed total (direct, indirect, and induced) output in 1999 amounting to \$166.3 million to the two-county impact region. Total employment and earnings associated with that production amounted to 2,550 jobs and \$47.9 million in earnings, with average annual earnings of \$18,803.
- The basic metals manufacturing sector, which directly obtains electricity from the Rocky Reach Dam, was estimated to generate total output of \$254.9 million in 1999. The associated employment and earnings amounted to 1,365 jobs and \$53.5 million, respectively, with average earnings of \$39,198.

- Public utilities and electric services providers in the two-county region contributed a total of 307 jobs (including direct, indirect, and induced employment components) and \$11.4 million in earnings in 1999 associated with power distributed to other industrial customers from direct allocations (approximately 15 percent of power generated is allocated to Chelan County PUD No. 1 and Douglas County PUD No.1) of electricity generated at the Rocky Reach Dam.
- Tourism and recreation industries, which depend on facilities at Rocky Reach Dam and the reservoir behind the dam, were estimated to generate total (direct, indirect and induced) output of \$42.9 million in 1999. The associated employment and earnings amounted to 1,108 jobs and \$15.3 million, respectively, with average earnings of \$13,802.
- The communities of Entiat and Orondo, which are located at opposite sides of the Rocky Reach Dam reservoir (Lake Entiat), derive economic and social benefits from the existence of the reservoir.
- The community of Entiat had been adversely affected by the Project, as a result of the necessity to relocate the downtown core when the Project was first developed.
- Orondo is a small rural center located on the east side of the Rocky Reach Dam reservoir in the unincorporated portion of Douglas County. The community is dependent on agriculture and tourism and recreation.
- Analysis of historical and projected conditions regarding the operations of the Rocky Reach Dam concluded that there would likely be no significant changes in the operating parameters of the dam itself, although there will be increased costs associated with relicensing, fish mitigation, and normal increases in plant operations.

### **Project Lands Management Report (Second Draft June 1, 2001)**

*Note: This report will be finalized pending the completion of boundary survey work of the Rocky Reach reservoir being conducted by Erlandsen and Associates. The work will be added as an appendix to this report.*

- The Study summarizes applicable federal, state and local land management plans.
- The Social Sciences Working Group has reviewed these plans to ensure that future protection, mitigation and enhancement measures identified in the relicensing process are consistent with the relevant lands and shoreline comprehensive planning documents.
- The Social Sciences Working Group also reviewed existing procedures for permitting and managing shoreline development at the Rocky Reach Project as part of the relicensing consultation process. This group has determined that Chelan PUD's role in the existing coordinated permitting approach being administered by the State of Washington adequately controls, protects, and prevents objectionable use of project lands at the project while meeting the needs of businesses and property owners in the project area.
- A Permitting Resource Guide developed by Chelan PUD (added to the report as Appendix D) provides a summary of permitting agencies and a description of applicable forms and permits.