CHELAN RIVER HABITAT RESTORATION AND ENHANCEMENT PROJECT



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Presentation Overview

- Brief overview of Lake Chelan Project
- Chelan River Project Goals and Stakeholders
- Restoration and Enhancement Project Then and Now
- Lessons Learned

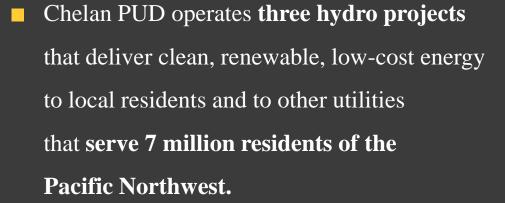
Vicinity Map

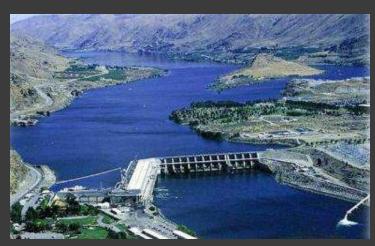


Brief Overview of Chelan County PUD



Lake Chelan Project





Rocky Reach Project



Rock Island Project

Lake Chelan Hydro Project - New 50-year License

Chelan River Project Goals

- Restore natural function of the Chelan River
- Year-round minimum flow
- Add 3 to 4 acres of rearing and spawning habitat

Collaboration Innovation

Settlement Parties

- National Marine Fisheries Service
- US Fish and Wildlife Service
- USDA Forest Service
- National Park Service
- Washington Dept of Ecology

- Washington Dept of Fish and Wildlife
- Confederated Tribes of the Colville Reservation
- American Whitewater
- City of Chelan
- Chelan County Public Utility District



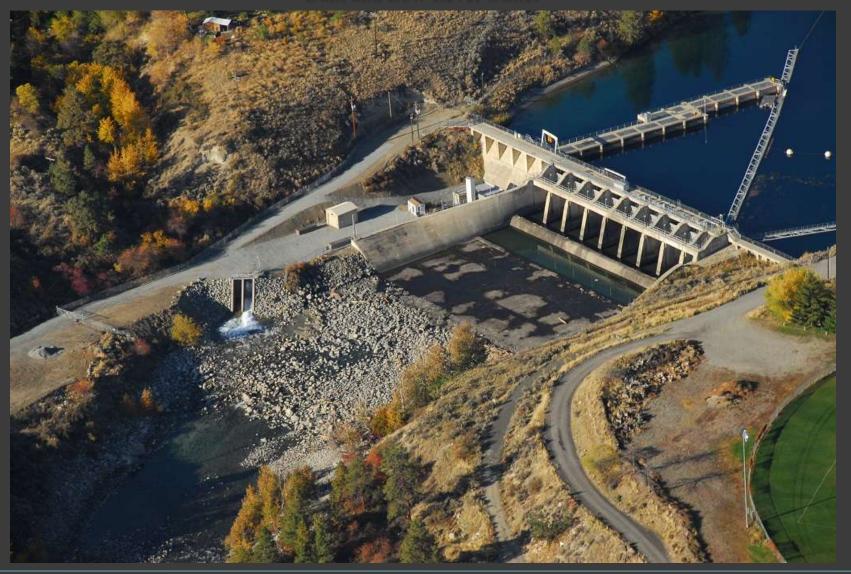
Chelan River



Lake Chelan Hydroelectric Project Why did we construct this Project?

- Instream flow modeling indicated peak habitat at 650 cfs
- Agencies proposed 650 cfs minimum instream flow
- Minimum flow proposal reduced generation by 33 percent
- Focused on amount of habitat (3 to 4 acres) versus flow
- Developed project to provide additional 3-4 acres of spawning and rearing habitat

Dam and Low Level Outlet



Pump Station



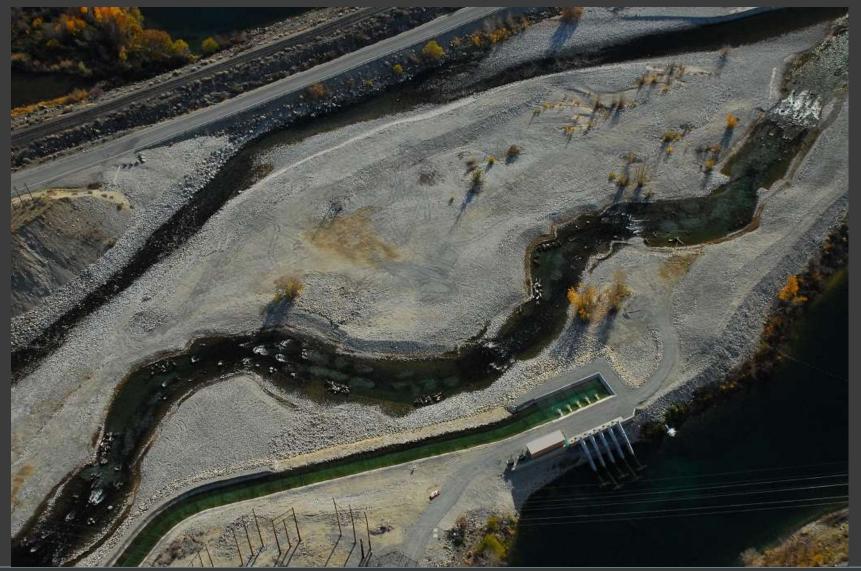
Chelan River (Reach 4) – Prior to Stream Enhancement



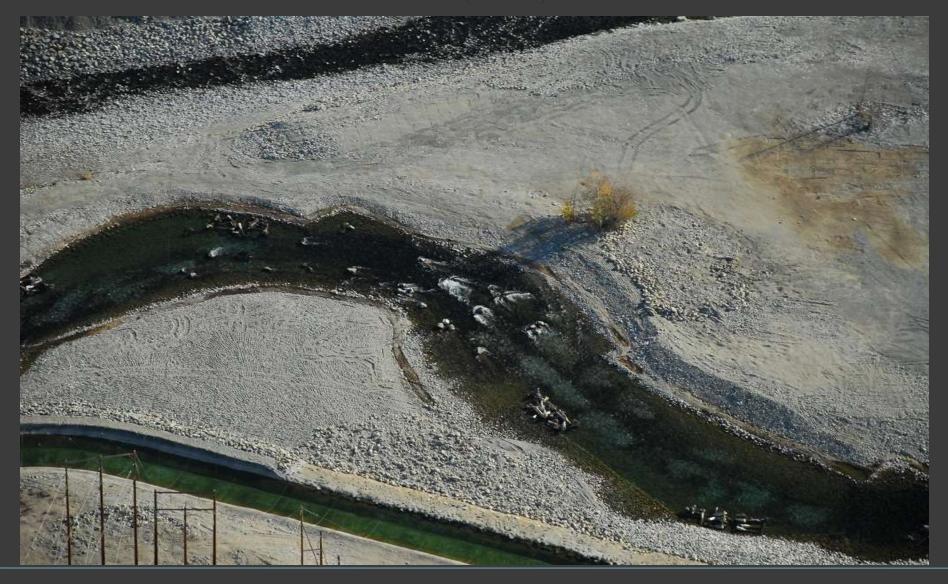
Chelan River (Reach 4) – After Stream Enhancement



Chelan River (Reach 4) Habitat



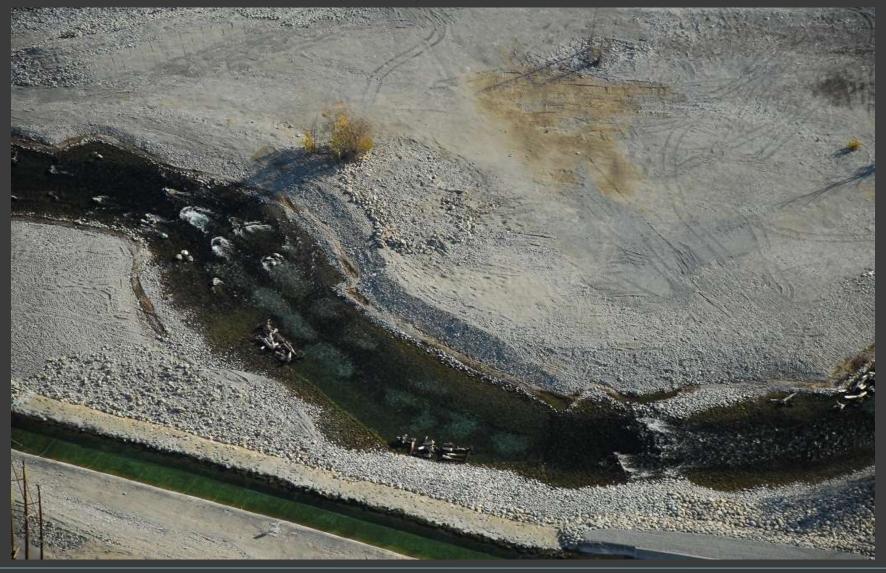
Chelan River (Reach 4) Habitat



Lessons Learned

- Identify and engage stakeholders early in process;
- Identify issues thoroughly with stakeholders;
- Work collaboratively toward innovative solutions, earning trust and confidence;
- Develop a rigorous monitoring and evaluation program.

Chelan River (Reach 4) – After Stream Enhancement



Chelan River (Reach 4) – After Stream Enhancement



Contact

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