

Tribal Fisheries Preservation and Enhancement Project

DRAFT

ICICLE COMPREHENSIVE WATER RESOURCES STRATEGY

More Information Available at <http://www.ecy.wa.gov/programs/wr/cwp/>

PROJECT DESCRIPTION

The Yakama Nation and Colville Confederated Tribes reserve tribal fishing rights on Icicle Creek. The purpose of this project is to ensure that other projects identified through this process don't have a negative effect on the Tribal Fishery and to identify opportunities for enhancing the fishery on Icicle Creek.

Lead Entity to Implement:
Estimated Project Cost: \$0.5 Million

Timeline to Implement: Studies can be initiated as soon as funding is secured. Some actions may be implemented through an adaptive management program that would monitor and adapt to losses in catch. Enhancement actions could be implemented as soon as funding is secured.

PROJECT BENEFIT

Maintain or improve the Tribal Fishery on Icicle Creek .

GUIDING PRINCIPLE

- Tribal Treaty Rights are Met at all times (GP #3)

POTENTIAL ISSUES/ DATA GAPS

Ensuring that other projects are implemented in a way that maintains the existing Tribal Fishery conditions, specifically at the plunge pool (RM 2.7).

Data Needs include a sediment transport and hydrologic modeling study to model various flow volume scenarios between the natural stream channel and hatchery canal between RM 2.7 and RM 3.8 (Structure 2). This work will be coordinated with the evaluation of various passive flow structure configurations to replace the existing Structure 2 that would allow for fish passage while splitting flows in a way that maintains existing Tribal Fishery conditions.

EXISTING and ONGOING STUDIES

- Lower Icicle IFIM, 2005, US Bureau of Reclamation; Basis for Wenatchee Instream Flow Rule (WAC 173-545) addressing Icicle Creek from RM 0.0 to RM 2.7 (need to check RMs).
- Instream Flow Incremental Methodology (IFIM) Study, (Ongoing), US Fish and Wildlife Service; Addressing Icicle Creek from RM 2.7 to RM 3.8.
- Icicle Creek Target Flow Report of the Leavenworth National Fish Hatchery, 2004, Montgomery Water Group; Addressing Icicle Creek from RM 3.9 to RM 4.5.