

ICICLE WORK GROUP FEBRUARY 2016

In 2012, the Icicle Work Group (IWG), a diverse set of stakeholders representing local, state and federal agencies, tribes, irrigation and agricultural interests and environmental organizations, convened to find a solution to chronic water supply problems affecting families, farms, and fish in the Icicle Creek Basin. Their work resulted in the adoption of an integrated package of projects to meet agricultural and domestic water supply needs while increasing the amount of instream flow required to maintain healthy fish populations.

The Projects

Alpine Lakes Reservoirs Optimization, Modernization and Automation

Modernize and optimize releases of six existing reservoirs for instream flow benefit.

Irrigation Efficiencies 🖚

Piping and lining of Cascade Orchard Irrigation Company and Icicle-Peshastin Irrigation District canals to conserve water for fish.

Domestic Conservation Efficiencies

Pipe replacement, metering and technical assistance to conserve domestic water supply.

Leavenworth National Fish Hatchery Conservation, Water Quality ImprovementsProjects to improve LNFH water supply and reliability and to enhance tribal and recreational fish harvest:

- Groundwater Augmentation Restore diminished groundwater supply through new well construction to meet temperature and pathogen standards.
- Effluent Pumpback Utilize hatchery effluent water to augment groundwater supply and instream flows.
- Hatchery Conservation Install recirculating tanks to benefit instream flows.

Eightmile Lake Restoration Project 🗯 📸 💏

Restore Eightmile Lake Reservoir to permitted high water mark for instream flow and to improve agricultural reliability and provide domestic supply benefits.

Water Markets 📺

Create a voluntary Icicle water market to improve agricultural reliability.

Habitat Protection and Enhancement

Restoring, improving and protecting habitat throughout the Icicle Creek Watershed for fish and wildlife.

Fish Passage 🛶

Improve fish passage in Icicle Creek by assessing and removing barriers.



ICICLE CREEK STRATEGY PROJECTS

Protect Tribal Fishery

Implement an adaptive management plan to monitor and protect tribal harvest.

Fish Screen Compliance

Replace all fish screens that are out of compliance on Icicle Creek.

Instream Flow Rule Amendment

Modify Icicle Instream Flow Rule (WAC 173-545) for domestic supplies concurrent with increased flows in Icicle Creek.

Icicle Creek Workgroup Membership

- Confederated Tribes of the Yakama Indian Nation
- Confederated Tribes of the Colville Reservation
- U.S. Bureau of Reclamation
- U.S. Fish and Wildlife Service Leavenworth National Fish Hatchery
- National Oceanic and Atmospheric Administration Fisheries
- Washington State Department of Fish and Wildlife
- Washington State Department of Ecology
- Icicle and Peshastin Irrigation District
- City of Leavenworth
- · City of Cashmere
- Chelan County
- Cascade Orchard Irrigation Company
- Icicle Creek Watershed Council
- Washington Water Trust
- U.S. Forest Service
- Trout Unlimited Washington Water Project

Contacts

For more information, please contact:

Mike Kaputa

Director Chelan County Natural Resources Mike.Kaputa@CO.CHELAN.WA.US (509) 670-6935

Melissa Downes,

Technical Project Lead, Office of Columbia River Washington Department of Ecology melissa.downes@ecy.wa.gov (509) 454-4259

Cascades on Icicle Creek, Photo Credit: pfly CC BY-SA License http://bit.ly/1Yf5qV5

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