



Icicle Creek Comprehensive Water Resource Strategy

Policy Advisory Group Meeting
May 22, 2014

Presented by
Mike Kaputa, Chelan County
Tom Tebb, Dept of Ecology



Who's Participating?

Co-Conveners

Derek Sandison, Director
Office of Columbia River
Washington State Department of Ecology

Keith Goehner, Commissioner
Chelan County Board of Commissioners

Member Organizations and Representatives

Conf. Tribes of the Yakama Nation
Primary: Steve Parker
Alternate:

Icicle and Peshastin Irrigation District
Primary: Tony Jantzer
Alternate: Dick Smithson

Washington Water Trust
Primary: Susan Adams
Alternate: Greg McLaughlin

Conf. Tribes of the Colville Reservation
Primary: Chuck Brushwood
Alternate: Casey Baldwin

City of Leavenworth
Primary: Joel Walinski
Alternate: TBD

U.S. Forest Service
Primary: Jeff Rivera
Alternate: Bob Stoehr

U.S. Bureau of Reclamation
Primary: Dawn Wiedmeier
Alternate: Steve Kolk

Chelan County
Primary: Keith Goehner
Alternate: Mike Kaputa

Trout Unlimited - WA Water Project
Primary: Lisa Pelly
Alternate: TBD

**U.S. Fish and Wildlife Service
Leavenworth National Fish Hatchery**
Primary: Dave Irving
Alternate: Jim Craig

Cascade Orchard Irrigation Company
Primary: Dan Wilkinson
Alternate: TBD

Agricultural Representative
Mel Weythman

NOAA - Fisheries
Primary: Dale Bambrick
Alternate: none

Wild Fish Conservancy
Primary: Kurt Beardslee
Alternate: Mark Hersh

Agricultural Representative
Daryl Harnden

WA State Department of Fish and Wildlife
Primary: Jim Brown
Alternate: Charity Davidson

Icicle Creek Watershed Council
Primary: Dick Rieman
Alternate: Buford Howell

City of Cashmere
Primary: Bob Schmidt
Alternative: TBD

WA State Department of Ecology
Primary: Tom Tebb
Alternate: Bob Barwin

Center for Environmental Law and Policy
Representative: Rachel Osborn

Vision Statement

“The Icicle Creek Work Group seeks to find collaborative solutions for water management within the Icicle Creek drainage to provide a suite of balanced benefits for existing and new domestic and agricultural uses, non-consumptive uses, fish, wildlife, and habitat while protecting treaty and non-treaty fishing interests.”



Importance of Icicle Creek

- Unique watershed with 7 Alpine Lakes and Wilderness Area
- Presence of Leavenworth National Fish Hatchery (LFNH)
- Supply source for Icicle-Peshastin Irrigation District
- Supply source for City of Leavenworth
- Key tribal fishery for Yakama Nation and Colville Tribes
- Significant environmental focus, including Icicle Watershed Council, Wild Fish Conservancy, Alpine Lakes Protection Society, TU, WA Water Trust, Center for Environmental Policy
- Area of historic litigation

Guiding Principles

1. Streamflow that:
 - a. Provides passage
 - b. Provides healthy habitat
 - c. Serves channel formation function
 - d. Meets aesthetic and water quality objectives
 - e. Is resilient to climate change

2. Sustainable hatchery that:
 - a. Provides healthy fish in adequate numbers
 - b. Is resource efficient
 - c. Significantly reduces phosphorus loading
 - d. Has appropriately screened diversion(s)
 - e. Does not impede fish passage

3. Tribal Treaty and federally-protected fishing/harvest rights are met at all times.

Guiding Principles, cont'd

4. Provide additional water to meet municipal and domestic demand.
5. Improved agricultural reliability that:
 - a. Is operational
 - b. Is flexible
 - c. Decreases risk of drought impacts
 - d. Is economically sustainable
6. Improves ecosystem health including protection and enhancement of aquatic and terrestrial habitat.
7. Comply with state and federal law.
8. Protect Non-Treaty Harvest
9. Comply with the Wilderness Act of 1964, the Alpine Lakes Wilderness Act of 1976, and the Alpine Lakes Wilderness Management Plan.

Metrics of Guiding Principles

The IWG is currently assigning quantitative metrics around each of the Guiding Principles.

- Instream Flow benefit targets for each of 5 reaches, based on biological, water availability, and economic factors
- Agricultural need is:
 - Increased reliability through automation.
 - Restoration of approximately 1,000 acre-feet associated with structural problems at Eight-Mile Lake
- Municipal / domestic need of 2,500 acre-feet through 2050
- Screening compliance at LNFH, IPID, and Cascade Orchards
- Resolve passage approach / operations for LNFH Structures and Boulder Field while preserving Tribal Fishery
- Define Habitat projects by RM and level of effort

Process Timeline

- OCR and Chelan County invited participants to attend in Fall 2012
- First Icicle Workgroup Meeting Held on December 2012 and established Guiding Principles
- Quarterly IWG Meetings in 2013 and 2014
- Steering Committee established in late 2013 to coordinate work
- Technical subcommittees formed on an as-needed, topical basis
- Goal of development of an Integrated Project List and proceeding to SEPA scoping in 2015

Integrated Project List

The Icicle Workgroup is currently conducting appraisal level evaluations on wide-ranging projects including:

- IPID Pump Exchange
- Alpine Lakes Optimization
- LNFH Groundwater Augmentation
- LNFH Effluent Pump Back
- 8-Mile Lake Restoration & Expansion
- Conservation Incentives
- Habitat & Passage Improvements

Project Timeline

- Icicle Creek and Icicle-Peshastin Creek Pump Exchange Appraisal Studies on target for fatal flaw and alternatives analysis by December 2014.
- Alpine Lakes Optimization Appraisal Study by December 2014
- Eight-Mile Lake Restoration and Expansion Appraisal Study by December 2014
- LNFH Groundwater Action Plan by August 2014
- LNFH Effluent Pump Back Conceptual Engineers Estimate and Water Quality Evaluation by January 2015
- Conservation Audit by October 2014
- Habitat and Passage Improvement Plan--TBD

How Can I Get More Information?

Website: <http://www.ecy.wa.gov/programs/wr/cwp/icicle.html>

Icicle Workgroup Meeting Dates

August 15, 2014

November 21, 2014

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