



Irrigation Efficiencies Icicle Peshastin Irrigation District

More information available at: <http://www.co.chelan.wa.us/natural-resources/>

PROJECT DESCRIPTION

Icicle and Peshastin Irrigation Districts' (IPID) point of diversion is located on Icicle Creek at RM 5.7. IPID provides water to irrigators outside of the Icicle Creek subbasin, which means all water saved through conservation efforts would benefit Icicle Creek from the point of diversion to the confluence with the Wenatchee.

Based on preliminary estimates, it is believed IPID could achieve 10% water conservation, which would be 10 cfs and 3000 ac-ft. Conservation projects that might be implemented include canal lining or piping and on-farm efficiency upgrades. As part of an effort to evaluate conservation opportunities, IPID will be updating their comprehensive irrigation district conservatin plan.

Updating the management plan and evaluating conservation opportunities is expected to cost \$130,000, with an additional \$7.5 million being planned for conservation improvements.

PROJECT BENEFITS

- Provides up to 10 cfs and 3,000 ac-ft of streamflow benefit
- Improves IPID system operation and reliability

GUIDING PRINCIPLES

- Improves instream flow
- Improves agricultural reliability
- Enhances Icicle Creek habitat and passage

POTENTIAL ISSUES/DATA GAPS

- Coordination of efficiency projects with screening upgrades

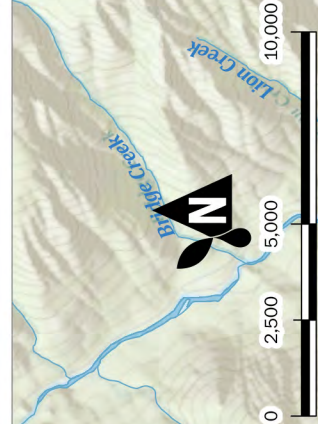
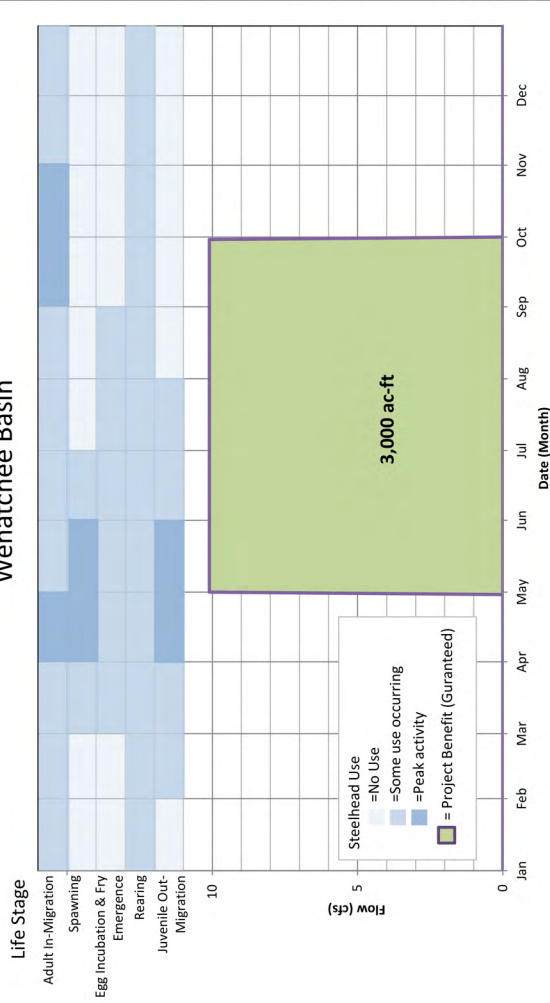
TIMELINE TO IMPLEMENT

2016	Update Management Plan and Study Conservation Opportunities
2016-2017	Environmental Review and Design
2018	Construction

EXISTING AND ONGOING STUDIES

- Peshastin Irrigation District Comprehensive Conservation Plan, 1993, Kohn & Leonoff
- Icicle Irrigation District Comprehensive Conservation Plan, 1993, Kohn & Leonoff
- Needs and Alternatives Analysis, Icicle Creek Sub-basin Storage Study, 2007, Anchor Environmental LLC

Project Benefit Hydrograph and Steelhead use within the Wenatchee Basin



Water Supply Availability:
Guaranteed - water rights are permanently placed in the State Trust Program under RCW 90.42.080
Firm - water rights that are described as "non-permanent conveyances" under RCW 90.42.040
Interruptible - water rights that are subject to interruption during drought years

