

OPERATIONS OF STRUCTURES 2 AND 5



PAST

PRESENT

FUTURE



Leavenworth National Fish Hatchery

Structure 5 (RM 2.9)

Hatchery Channel

Structure 2 (RM 3.8)

Icicle Creek Historical Channel

LNFH Intake (RM 4.5)



PAST



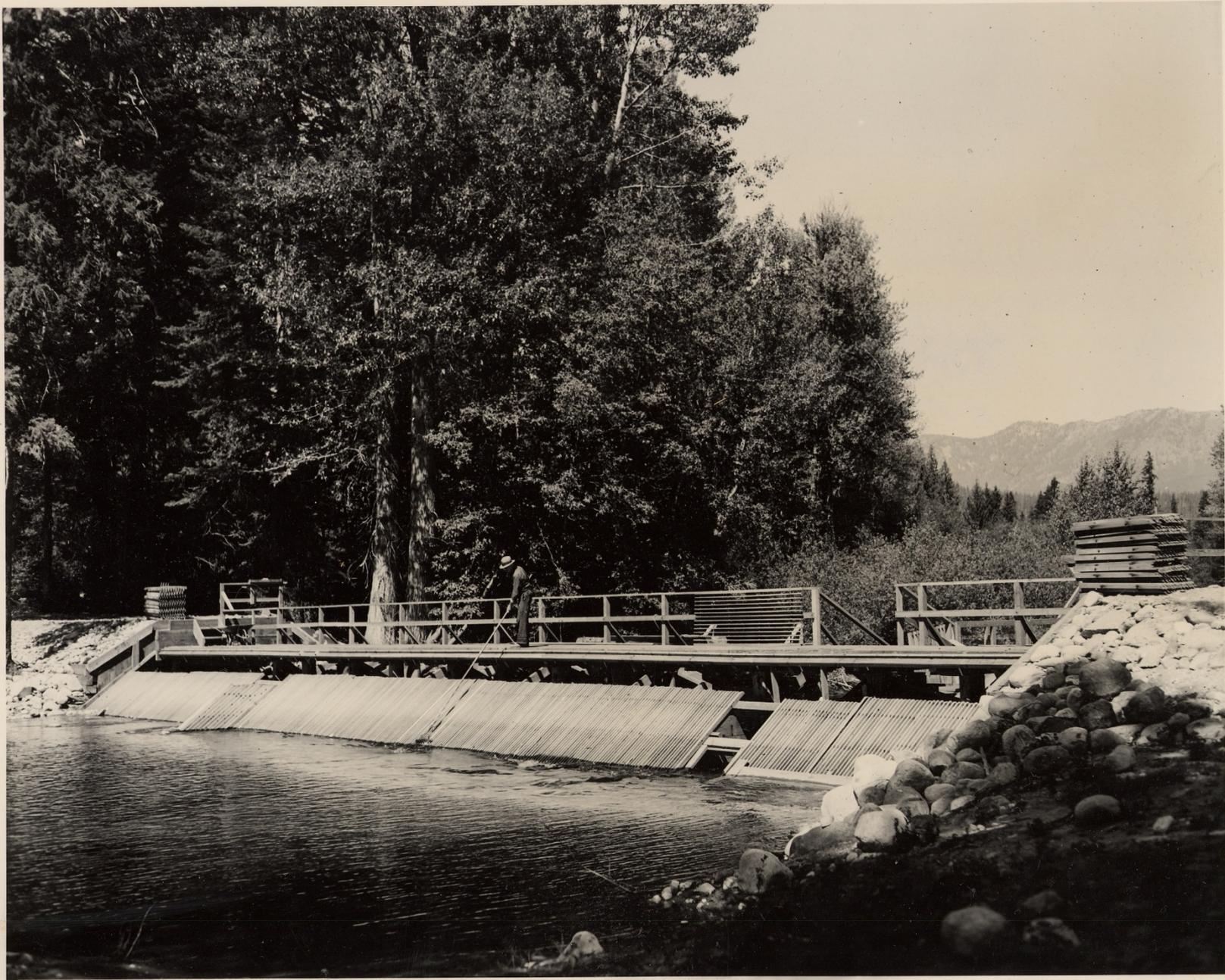


JUL 27 1939

U.S. GEOLOGICAL SURVEY

29C

Photographic Department



ABP

DANGER



STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
Division of Hydraulics

Permit to Appropriate Public Waters of the State of Washington

Book No. 15 of Permits, on Page 3537 Under Application No. 5671

United States of America, Bureau of Reclamation

of _____
is hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the following limitations and provisions: Permittee shall construct and maintain at his own expense a weir, or other suitable device, for measuring any water granted herein for irrigation purposes and such appropriation shall be subject to a reasonable rotation system if ordered by the State Supervisor of Hydraulics; and it is further provided that Permittee, in the use of water under this permit, shall comply with all the laws of the Departments of Fisheries and Game in accordance with Chap. 127, Laws of 1939, and all regulations and laws hereafter enacted. **This permit is made specifically subject to existing rights set out in the decree in the case of State of Washington vs. Icicle Irrigation District, Cause 8252, Records of the Superior Court in and for Chelan County, Washington, and to permits issued by Supervisor of Hydraulics for appropriation of waters of Icicle Creek and its tributaries.**
Priority date of this permit is March 26, 1942

Source of the proposed appropriation is Icicle Creek

tributary of Wenatchee River

The quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 200.00 cubic feet per second, or its equivalent in case of rotation, to be used as set out below:

The approximate points of diversion ^{are} located: Icicle Pipe Line- 760 ft. North 70°00' West of East quarter corner of Sec. 27, being within SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 27; Diversion Holding pool Channel- 1240 ft. South of North quarter corner of Sec. 26,

being within SW $\frac{1}{4}$ of NE $\frac{1}{4}$ Sec. 26, Twp. 24 N., Rge. 17 E. W. M., county of Chelan

The use, or uses, to which water is to be applied:

FOR DOMESTIC SUPPLY AND MISCELLANEOUS USES: 200.0 cubic feet per second during entire year for Propagation of fish to be used within Sections 23, 24 and 26 ~~Sec.~~ Twp. 24 N., Rge. 17 E. W. M.

FOR IRRIGATION: _____ cubic feet per second, from _____ to _____ each year, for irrigation of _____ acres, described as follows:







STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

SUPERSEDES **CERTIFICATE OF WATER RIGHT** ISSUED JULY 1, 1942

8401160009

- Surface Water** (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water** (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE March 26, 1942	APPLICATION NUMBER	PERMIT NUMBER 3537	CERTIFICATE NUMBER 1824
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NAME
UNITED STATES DEPARTMENT OF INTERIOR, FISH & WILDLIFE SERVICE

ADDRESS (STREET) (CITY) (STATE) (ZIP CODE)
500 N.E. Multnomah Street Portland, Oregon, 97232

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
Icicle Creek

TRIBUTARY OF (IF SURFACE WATERS)
Wenatchee River

MAXIMUM CUBIC FEET PER SECOND 42	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
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QUANTITY, TYPE OF USE, PERIOD OF USE
To be used continuously for fish propagation.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION—WITHDRAWAL
200 feet north and 700 feet west of the east quarter corner of Section 27

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SE $\frac{1}{4}$ NE $\frac{1}{4}$	SECTION 27	TOWNSHIP N. 24	RANGE, (E. OR W.) W.M. 17 E.	W.R.I.A. 45	COUNTY Chelan
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RECORDED PLATTED PROPERTY

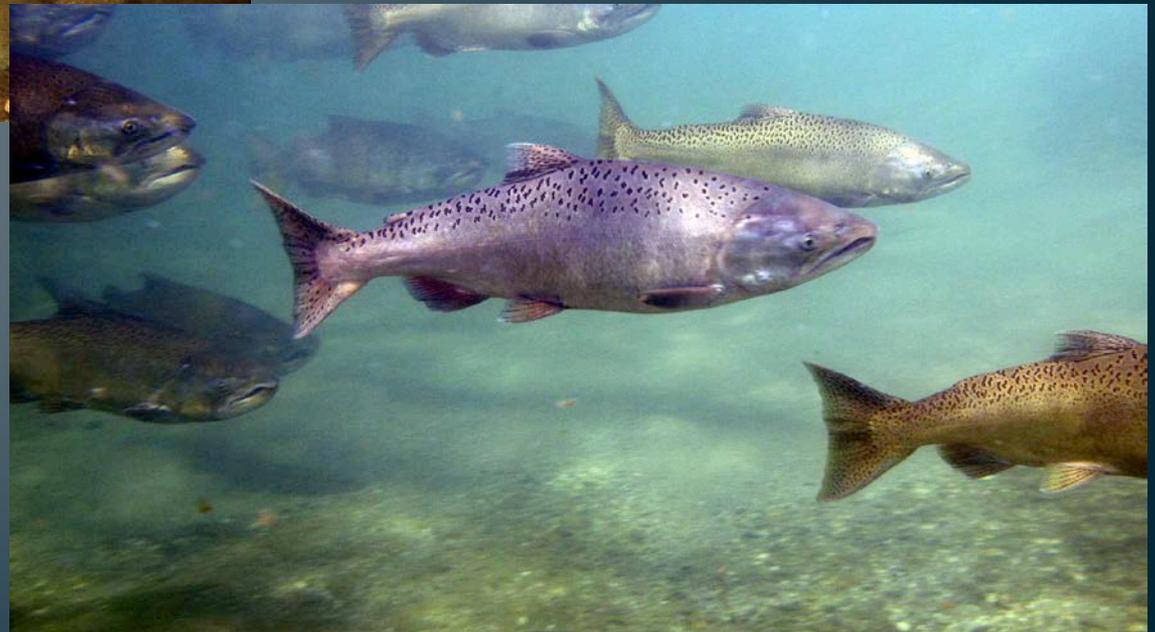
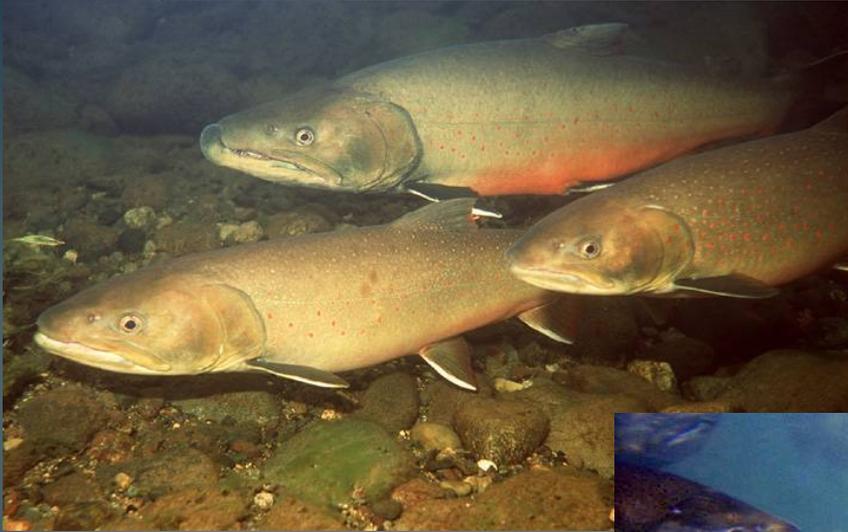
LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Leavenworth Fish Hatchery being within Sections 23, 24 and 26, T. 24 N., R. 17 E.W.M.

A based

ESA LISTINGS



**A
D
CHANGE
P
T**

**CHANGE
AHEAD**

PRESENT



CONDITION

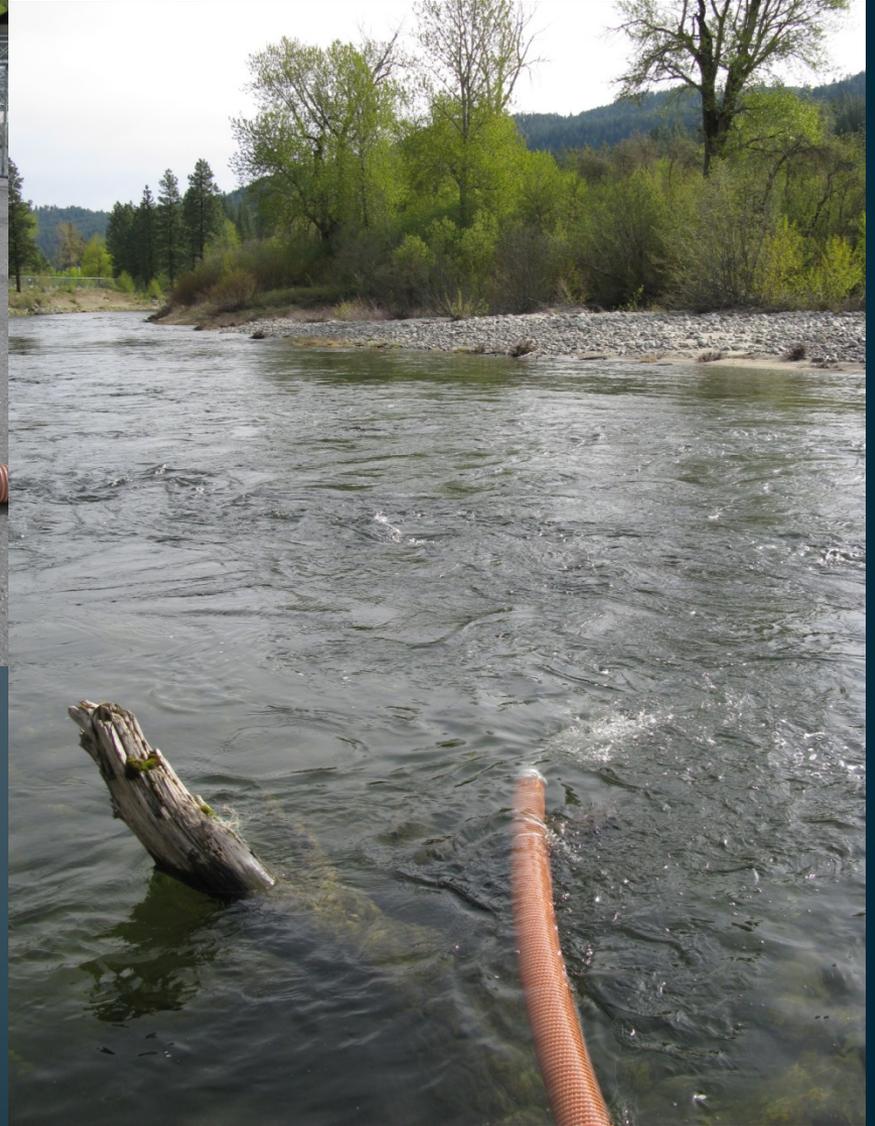
- Fish release
- Property protection (Flood control)
- Maintenance of structures
- Aquifer saturation/recharge
- Broodstock management

FISH RELEASE









Property protection (Food Control)



Maintenance



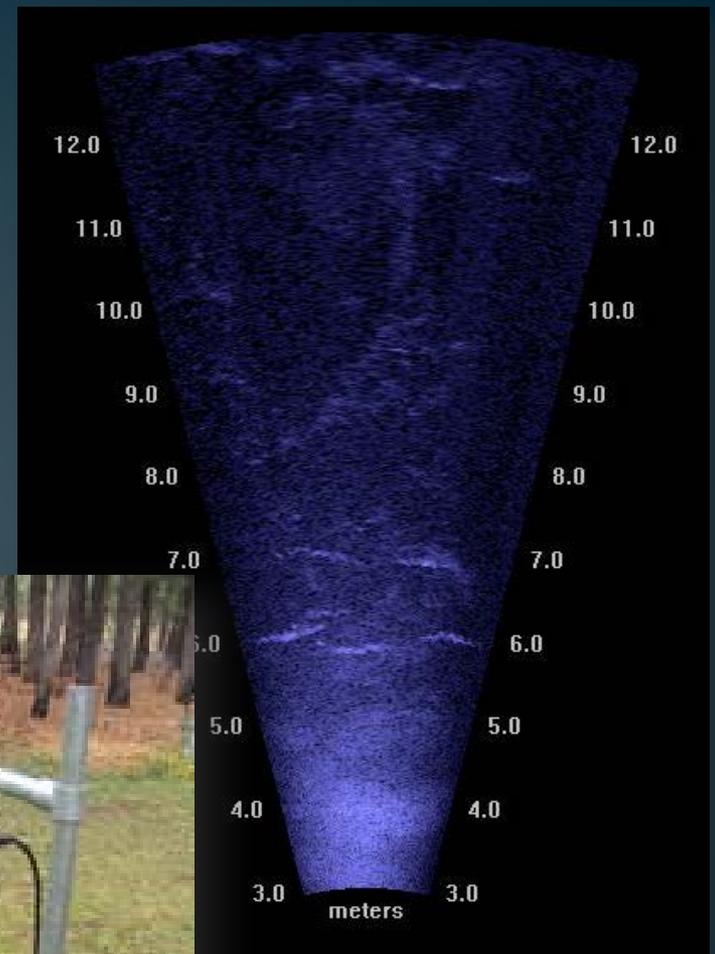
Broodstock Management







DIDSON COUNTER



Aquifer saturation /recharge





FUTURE

- Fish release
- Property protection
- Maintenance
- Broodstock
management

FUTURE

- Aquifer recharge
 - Information gathering and processing
 - Exploring alternatives for ground water production

QUESTIONS?