

Watershed Grant Program Update

TMC Meeting

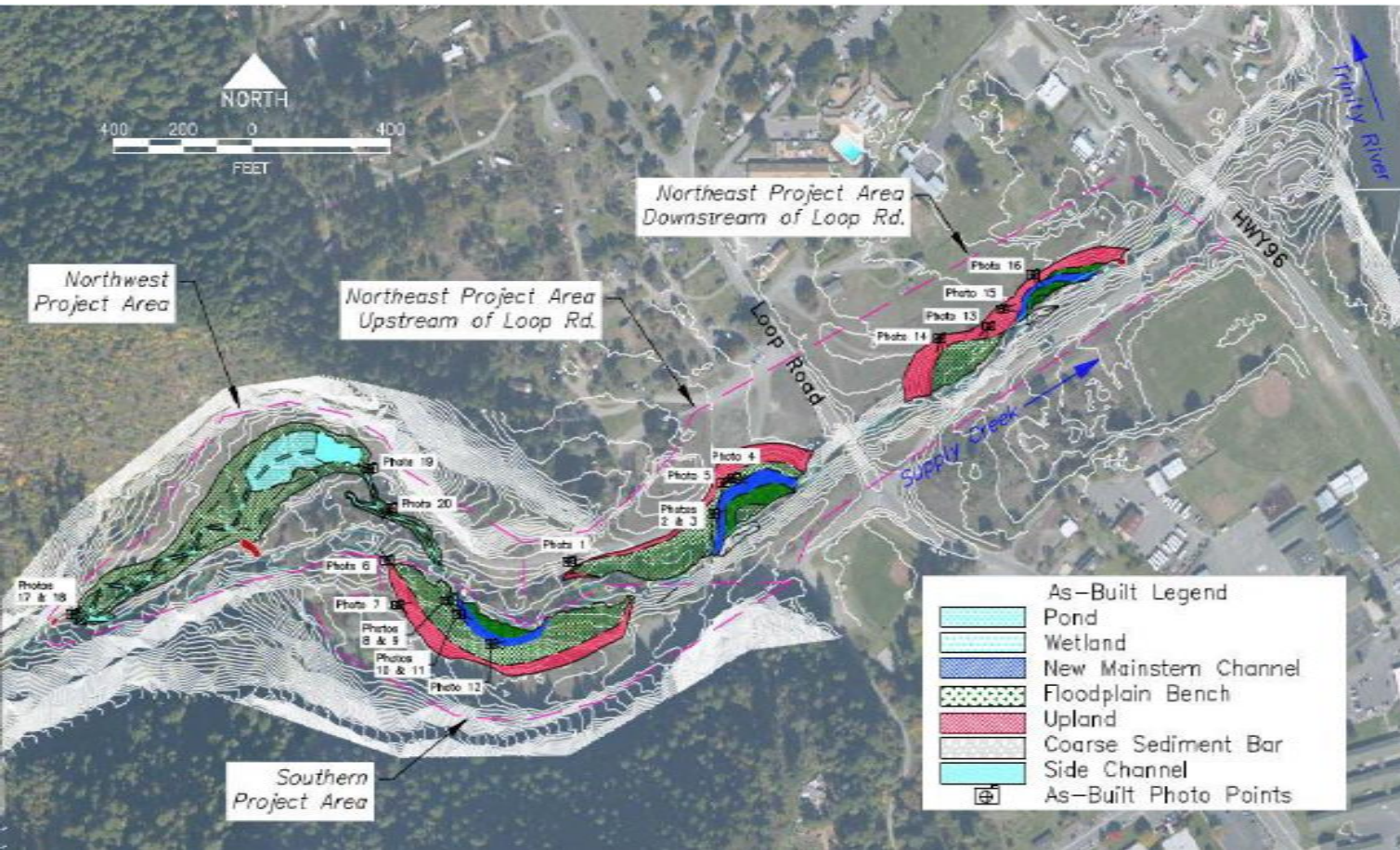
September 22, 2022

Chad Abel



Supply Creek Berm Removal

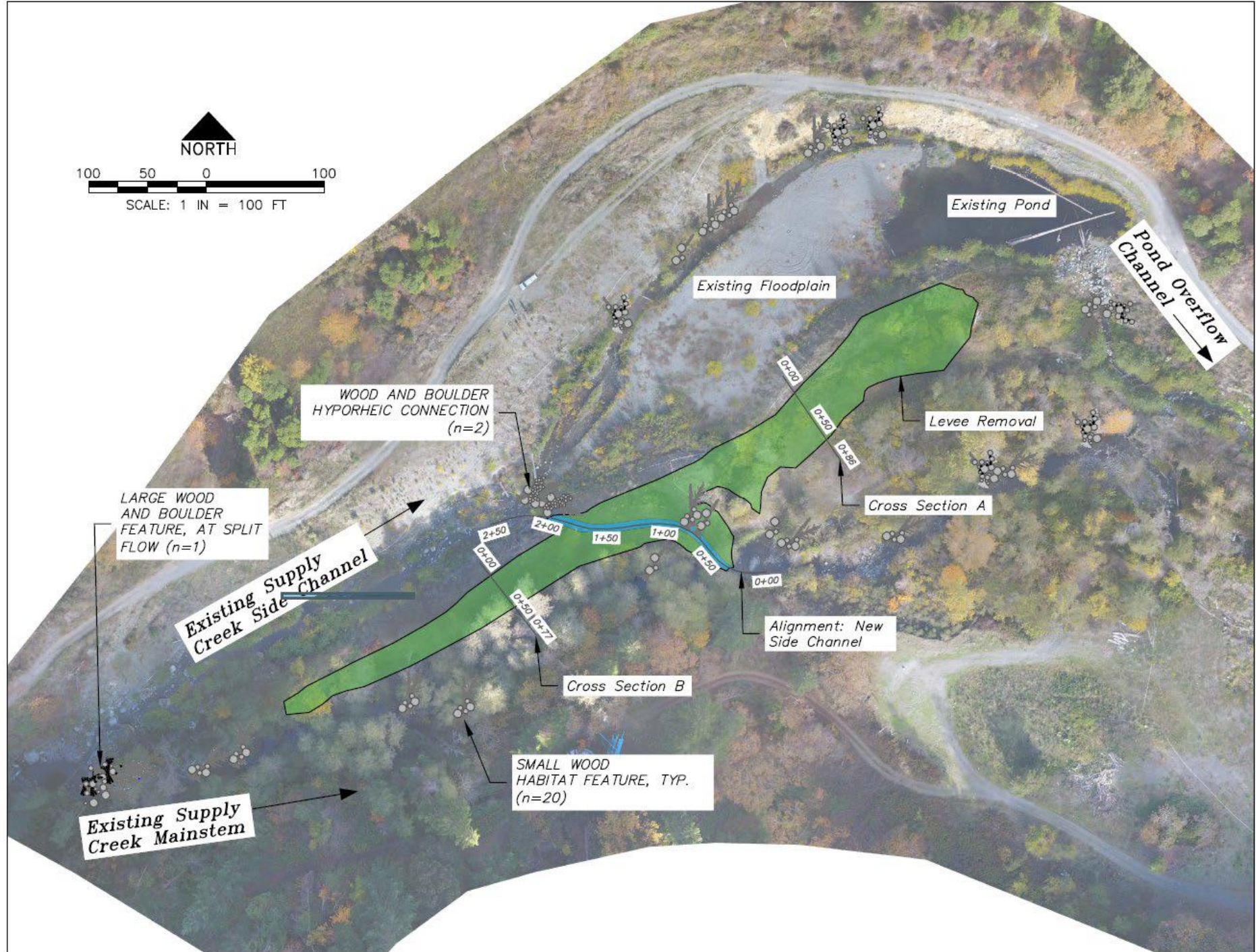
Hoopla Valley Tribe



2014 FRGP award
2015-16 Construction
2017 Riparian Planting
2017 Prop 1 Award
2018 Asbestos
2020 TRRP Watershed Grant
2021-22 Construction and Riparian Planting

Actions Taken with Watershed WG funding

- 8k cubic yard berm was removed from the middle of the floodplain
- Reworked split to put more flow into new channel
- Hyporheic connection to Phase 1 pond
- 8 log jams plus individual logs
- 17 Cluster Plantings
- 70 meters of new channel
- Constructed floodplain to inundate at a Q1 event



Berm Removal



Splitting the Creek Flow



Wood Features Installed in the Mainstem



New Channel



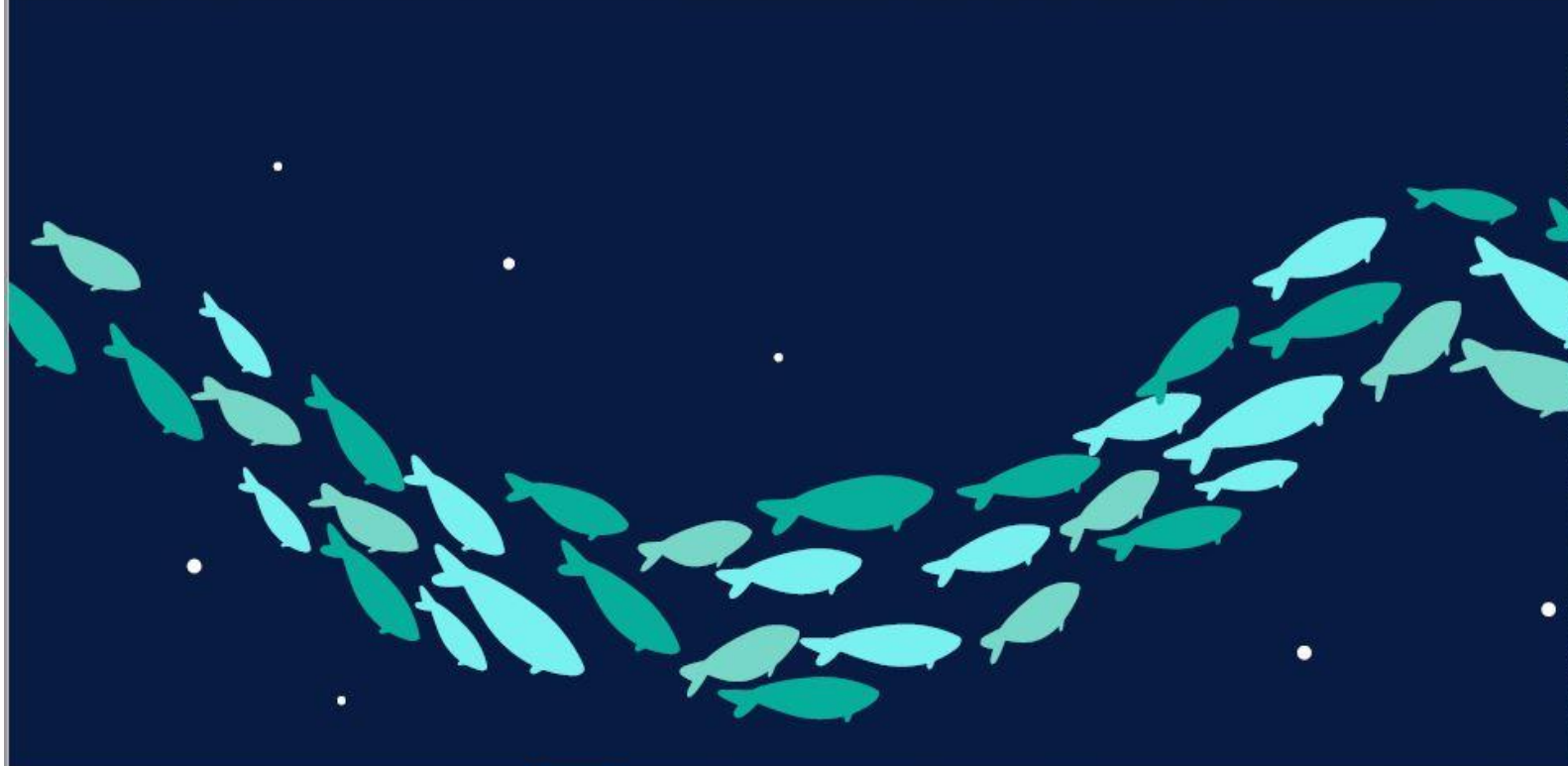
Re-Vegetation



Harvested some plants from the very successful and abundant reveg from Phase 1

5 willow trenches & 17 cluster plantings

Primarily Arroyo and Red Willow with some cottonwoods





Browns Creek Storage and Forbearance

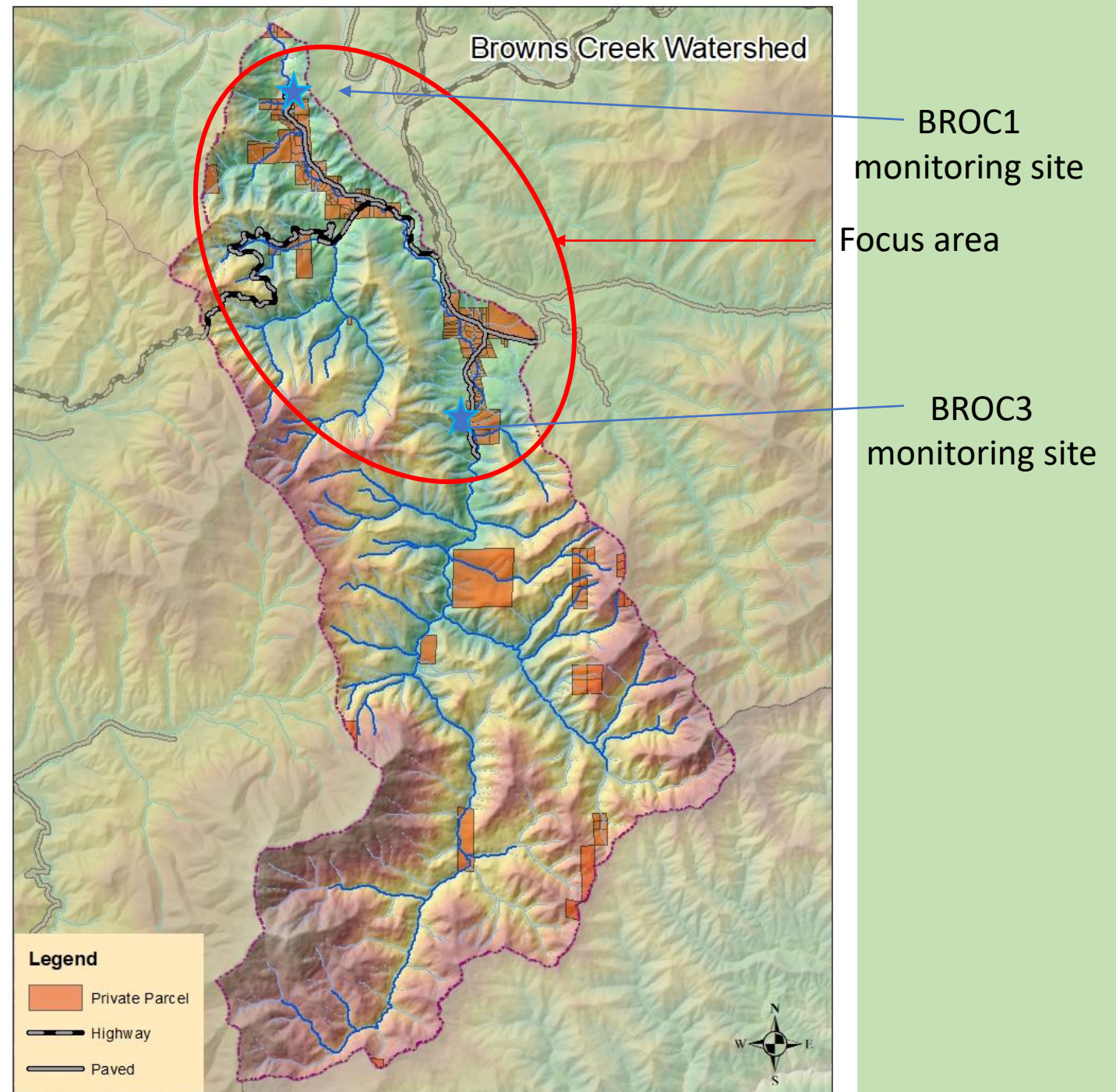
A project to restore instream flows by
The Watershed Research and Training Center

With support from:

The Trinity River Restoration Program, The Nature Conservancy, Northern California Resource Conservation and Development Council, Trinity County Resource Conservation District, North Coast Resource Partnership, and the California Wildlife Conservation Board.

Browns Creek Watershed

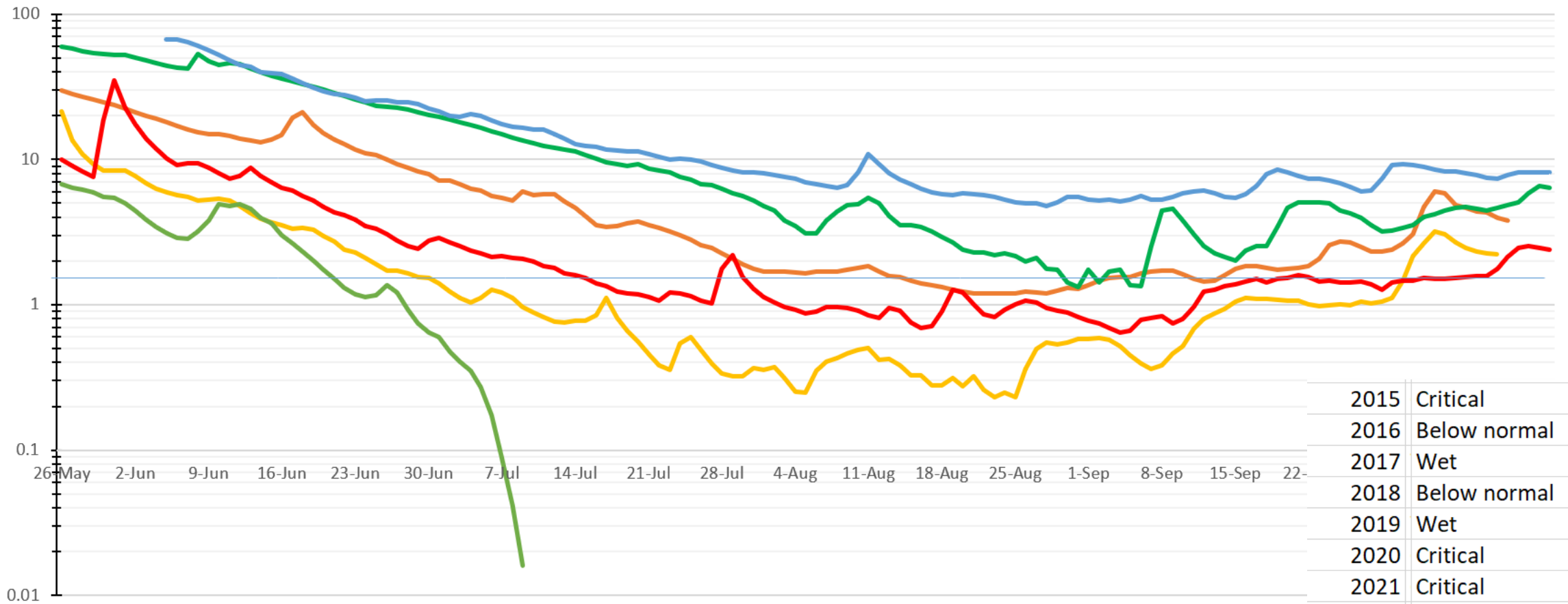
- 6th Largest Tributary to the mainstem Trinity River
- 22 miles of Spawning Habitat for anadromous fisheries
- Over 200 private residential parcels
- Majority of the parcels have riparian water rights



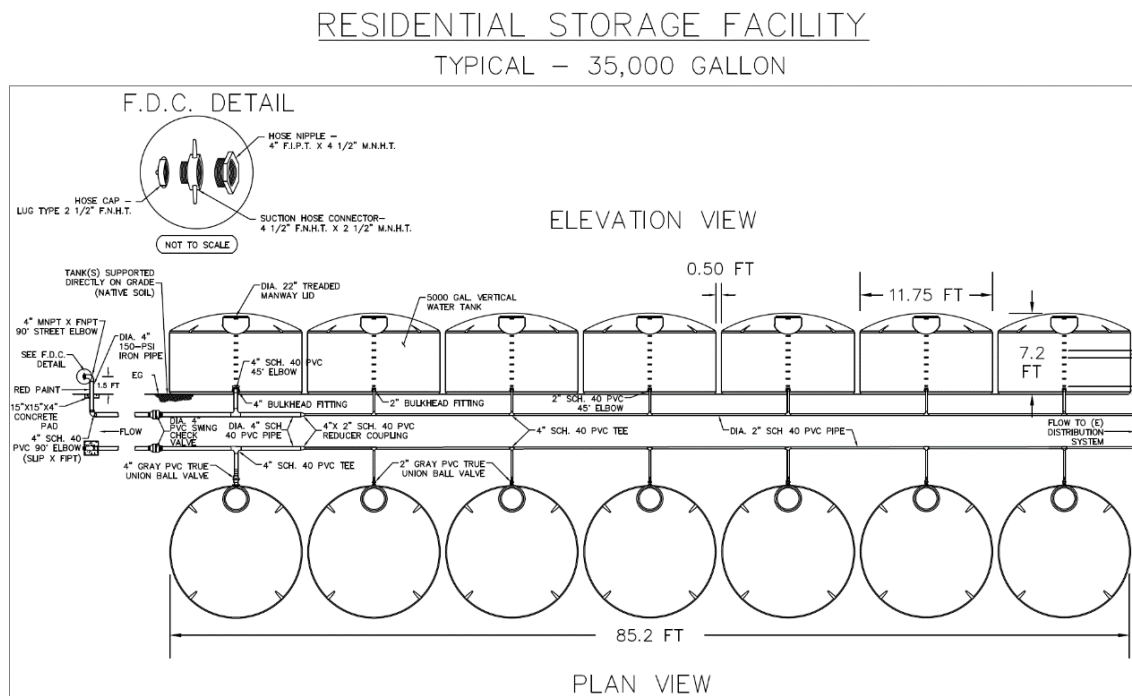
Browns Creek flows 2016-2021

Average daily flow

2016 2017 2018 2019 2020 2021



STORAGE AND FORBEARANCE



FORBEARANCE

Forbearance Periods																
BROWNS CREEK		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Fill	Dry year															
	Moderate year															
	Wet year															
Top off period	Dry year															
	Moderate year															
	Wet year															
Forbearance	Dry year															
	Moderate year															
	Wet year															
End Forbearance	Dry year															
	Moderate year															
	Wet year															

Water Year classification	Restricted Period	
	Start	End
Extremely Wet	August 1 st	October 15 th
Wet	August 1 st	October 15 th
Normal	July 15 th	October 15 th
Dry	July 1st	October 15 th
Critically Dry	July 1st	October 15 th

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO: Watershed Research & Training Center PO Box 356 Hayfork, CA 96041 530.628.4206 Attention: Executive Director	THIS SPACE FOR RECORDER'S USE ONLY
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AGREEMENT FOR SEASONAL FORBEARANCE OF DIVERSION OF WATER AND FOR CONSTRUCTION, INSTALLATION AND USE OF WATER MANAGEMENT SYSTEM

THIS AGREEMENT is made and entered into as of this ____ day of _____, by and between the Watershed Research & Training Center (hereinafter "the Center") and _____ (hereinafter "Landowner"), for a Project consisting of: (1) the seasonal forbearance of direct diversion of water from _____ in the Trinity River Watershed, Trinity County, and/or tributary groundwater, and (2) the construction, installation and use of a Water Management System on the Property.

RECITALS

A. WHEREAS, the Center is a tax-exempt non-profit organizations qualified under Section 501(c)(3) of the Internal Revenue Code of 1986 that seeks to protect instream flow within _____ Creek watershed to benefit the migration, spawning and rearing

10 S&F projects may provide 0.18 cfs

July 1, 2021 <0.1 cfs



July 6, 2021 0 cfs



5 projects completed and functioning and 2 on deck (TRRP is not only funder)

Mainstem and South Fork Trinity River Road
Decommission
30N16B and 30N04A
Trinity County Resource Conservation District





30N16B Before



30N16B During



30N16B After



30N16B Before



30N16B After



30N16B Before



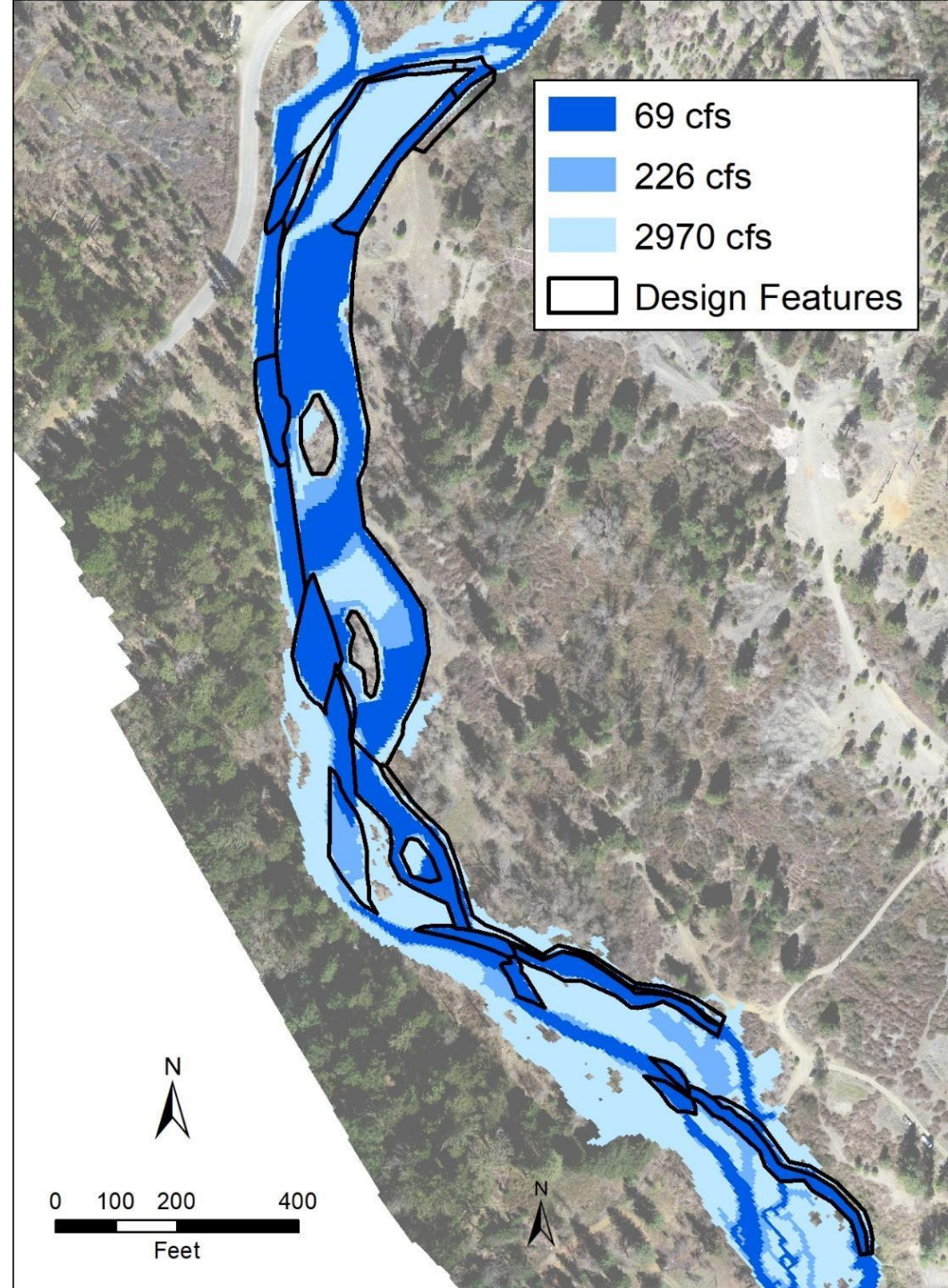
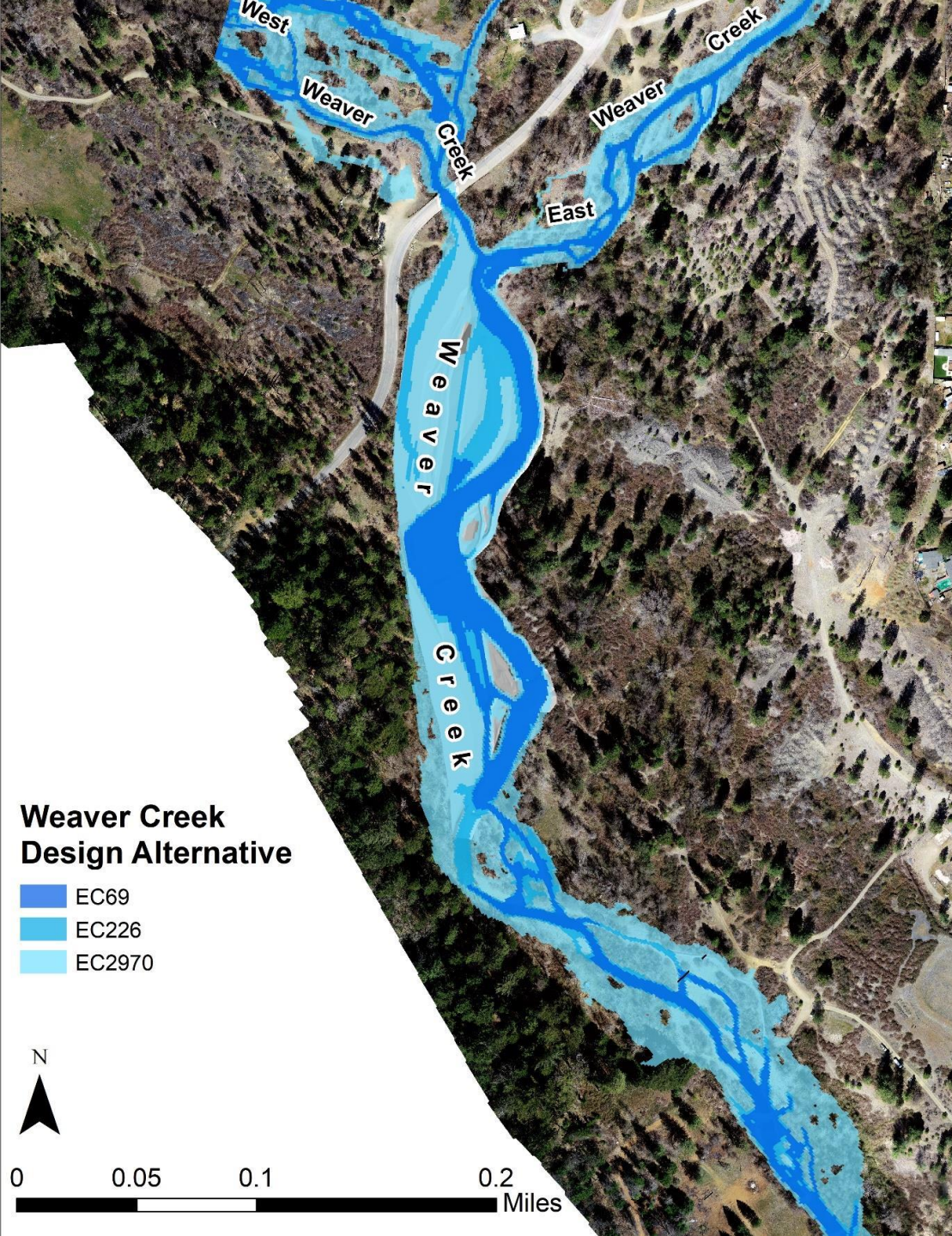
30N16B During

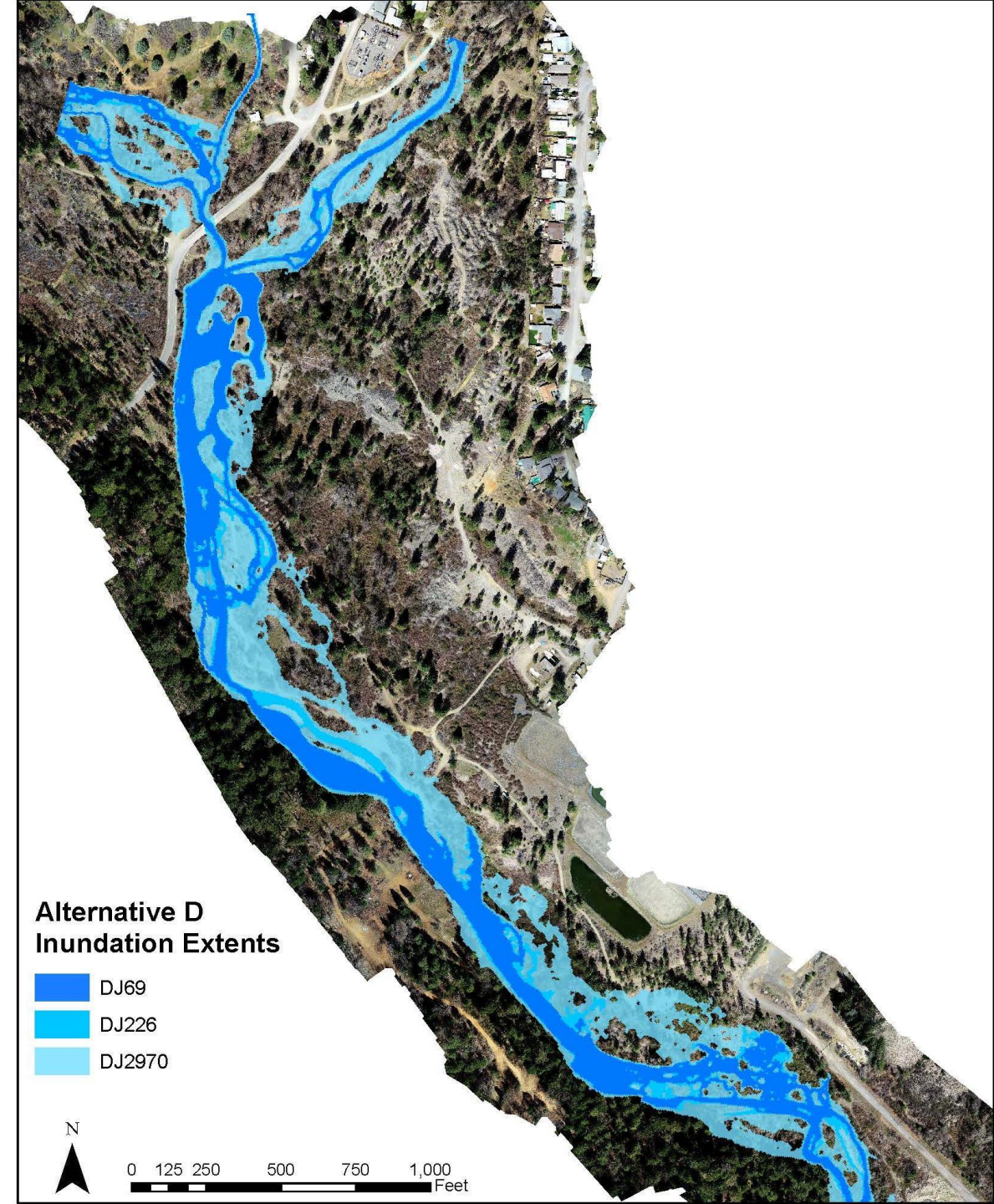
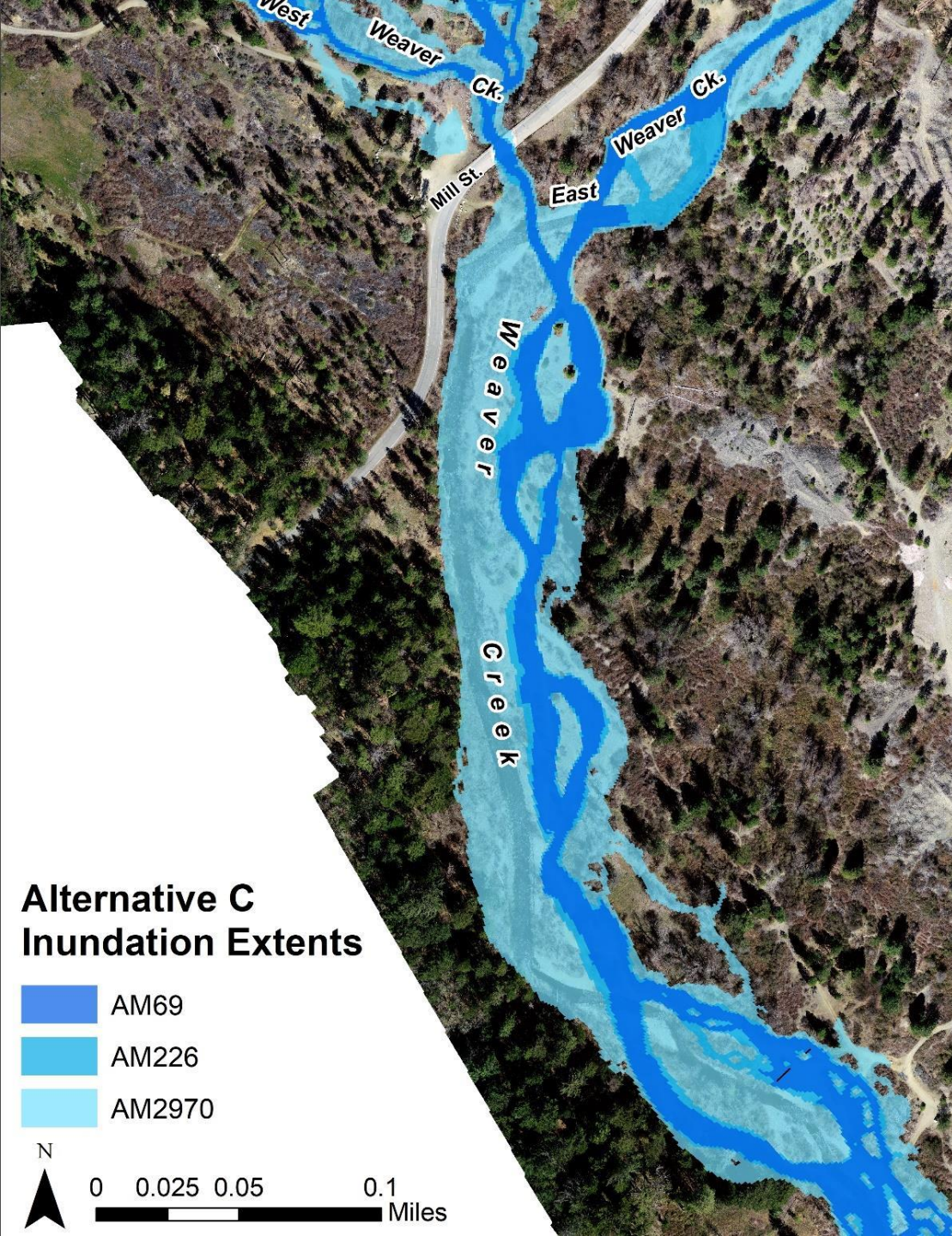


30N16B After

Weaver Creek Restoration Planning

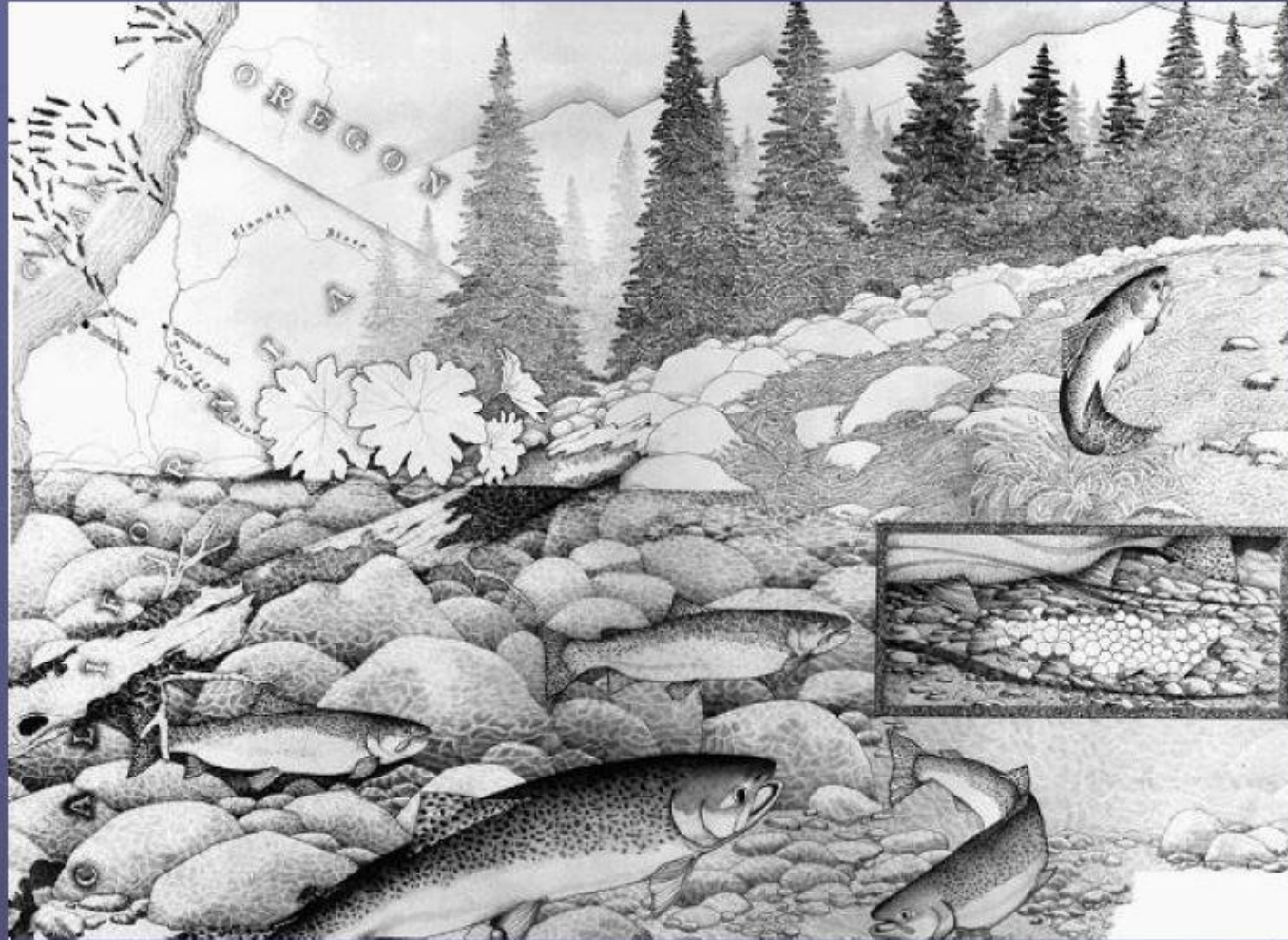
Yurok Tribe and Nor Rel Muk Wintu
Alternatives from 30% design report







Five Counties Salmonid Conservation Program



Watershed Working Group Meeting, July 27th, 2022

mlancaster@5counties.org

Brown Bear Mine, Deadwood Creek Post Carr Fire Sediment Reduction



Tunnel Gulch Watershed- 9 Rocked Stream
Crossings/Critical Dips and 24 Rolling Dips Installed

BLM SITE 300.7



East Weaver Creek Dam Removal



East Branch East Weaver Migration Barrier on East Weaver Creek Road



OREGON STREET MIGRATION BARRIER REPAIR



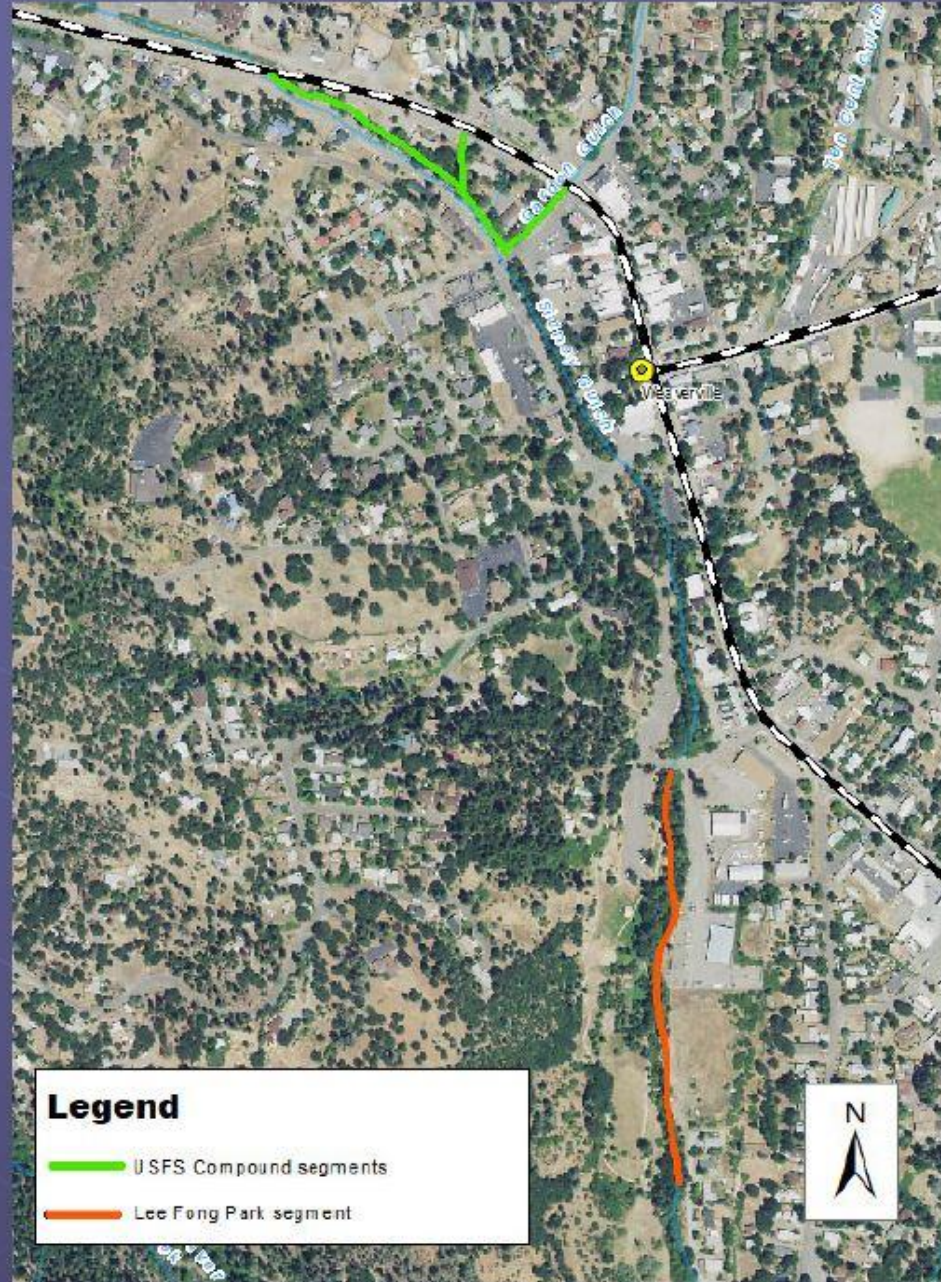
Design is complete and materials are on-hand for construction. Council has made multiple requests to Trinity County to finalize the Caltrans encroachment permit County says is needed before project can be constructed.

Manzanita Creek Dam Removal



Hazard trees from the Monument Fire need to be removed before further site visits can resume. USFS has not yet selected an alternative for dam removal. An MRDG is in progress.

Sidney Gulch: USFS & Lower (LFP)



- ❖ Both projects are in the design phase
- ❖ Environmental analysis has begun, though permits will not be requested until construction funds are pursued



Klamath Basin Salmon Restoration Grantmaking Program – Year One

Femke Freiberg – Program Director, Western Water

July 27, 2022

Joint Request for Proposals Overview

Klamath River Coho Program:

- Reclamation Klamath Basin Area Office
- On-the-ground activities that improve degraded habitat and assist in enhancing natural populations of SONCC coho salmon.
- Mainstem Klamath River and tributaries between Iron Gate Dam (IGD) to the Klamath River mouth excluding the Trinity River.
- Required by NMFS 2019 BiOp.
- Up to \$1,409,500 available in 2022.

Trinity River Restoration Program:

- Reclamation Northern California Area Office
- Actions that reduce fine sediment delivery in degraded watersheds or improve habitat connectivity.
- Tributary watersheds of the Trinity River between Lewiston Dam and Weitchpec, including the South Fork Trinity River and its tributaries.
- Required by DOI 2000 Record of Decision.
- Up to \$972,500 available in 2022.

Grant size range: \$10,000 - \$500,000.
Match encouraged.



— BUREAU OF —
RECLAMATION

FY22 Program Timeline

RFP Launch: February 28th

Applicant Webinar: March 10th

Pre-Proposal Due Date: March 28th (5 pre-proposals received)

Pre-Proposal Review Meeting: April 25th (4 projects invited to full)

Full Proposal Due Date: May 23rd

Full Proposal Review Meeting: June 13th (3 projects recommended for funding)

NFWF BOD Recommendation Submitted: June 22nd

Congressional Notification Submitted: June 27th

Planned Award Announcements: August 1st



— BUREAU OF —
RECLAMATION

Review Committee

- Western Water Program Director, NFWF
- Science Director, Aquatic Conservation, NFWF
- Executive Director, Trinity River Restoration Program, Bureau of Reclamation
- Implementation Branch Chief, Trinity River Restoration Program, Bureau of Reclamation
- Hydrologist, U.S. Forest Service
- Fish and Wildlife Biologist, U.S. Fish and Wildlife Service
- Engineer, California Natural Resources Agency, Department of Water Resources
- Fisheries Biologist, Yurok Tribe
- Habitat Division Lead, Hoopa Tribal Fisheries
- Trinity County Supervisor, District 3



Recommended Trinity River Grant Slate

1. Resiliency in the Greater Trinity River Watershed (CA)	
Watershed Research and Training Center	
Easygrants No. 75213	
NFWF Coop. Federal Funds (BOR):	\$439,542.39
NFWF Subtotal (Indirect):	\$439,542.39 (18.8%)
Matching Funds:	\$156,960.00
Total Project:	\$596,502.39
Plan and implement four storage tank arrays and establish long-term forbearance agreements to reduce annual water withdrawals from key tributaries to the Trinity River during the summer low-flow period. Project will increase the quality and quantity of natural temporal habitats crucial to the survival of anadromous fishes and aquatic organisms in the Trinity River Watershed.	



— BUREAU OF —
RECLAMATION

Recommended Trinity River Grant Slate

2. Oregon Gulch Culvert Replacement Planning Project (CA)

Yurok Tribe

Easygrants No. 75429

NFWF Coop. Federal Funds (BOR):	\$104,182.67
NFWF Subtotal (Indirect):	\$104,182.67 (16.8%)
Matching Funds:	\$0
Total Project:	\$104,182.67

The Yurok Tribe will complete 100% design plans and obtain environmental approvals to replace the Oregon Gulch culvert under Sky Ranch Road in Junction City. The Project will open over five miles of suitable salmonid spawning and rearing habitat. The grantee will collect existing conditions data, complete technical modeling and draft design, and complete a design report. The grantee will coordinate with other regulatory and conservation agencies and organizations in the Trinity River Basin including the Trinity County Department of Transportation (TCDOT).



— BUREAU OF —
RECLAMATION

Recommended Trinity River Grant Slate

3. East Branch East Weaver Creek Migration Barrier Removal (CA)	
Northwest California Resource Conservation & Development Council	
Easygrants No. 75458	
NFWF Coop. Federal Funds (BOR):	\$265,582.08
NFWF Subtotal (Indirect):	\$265,582.08 (5.8%)
Matching Funds:	\$107,910.00
Total Project:	\$373,492.08
Replace a road crossing with an arch culvert at a USFS campground and community trail system in order to open a migration pathway for anadromous fish. Project will restore access to 1.2 miles of good quality habitat to all life stages of salmonid species.	



— BUREAU OF —
RECLAMATION

Total FY22 Investment

Total recommended TRRP funding: \$809,307

Total match: \$264,870

Total conservation impact: \$1,074,177

\$972,000 was available in fy22. Remaining balance will be carried into fy23 solicitation (expected in late fall, 2022)

Questions?