PRIVATE FOREST ACCORD
GRANT PROGRAM

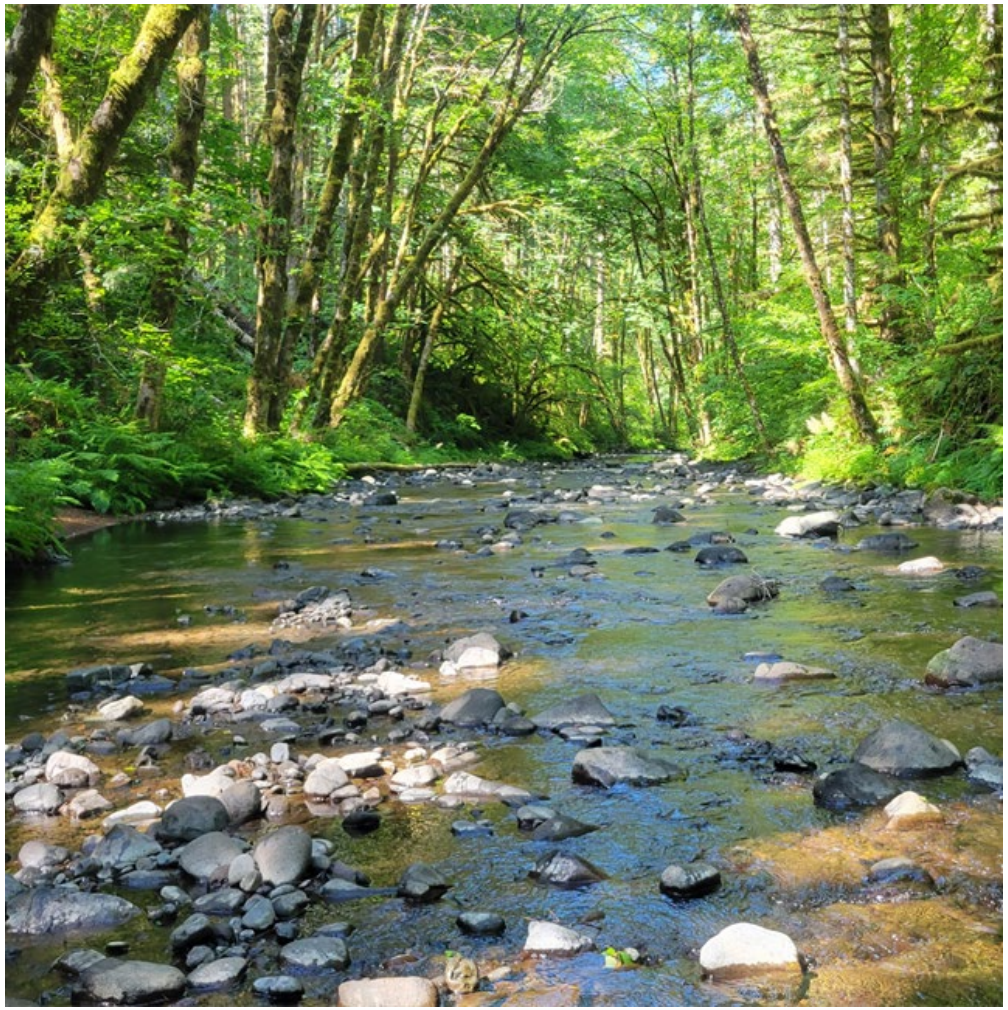
Region 1 Presentation

Presented by: Kelsey Anderson

Oregon Department of Fish and Wildlife

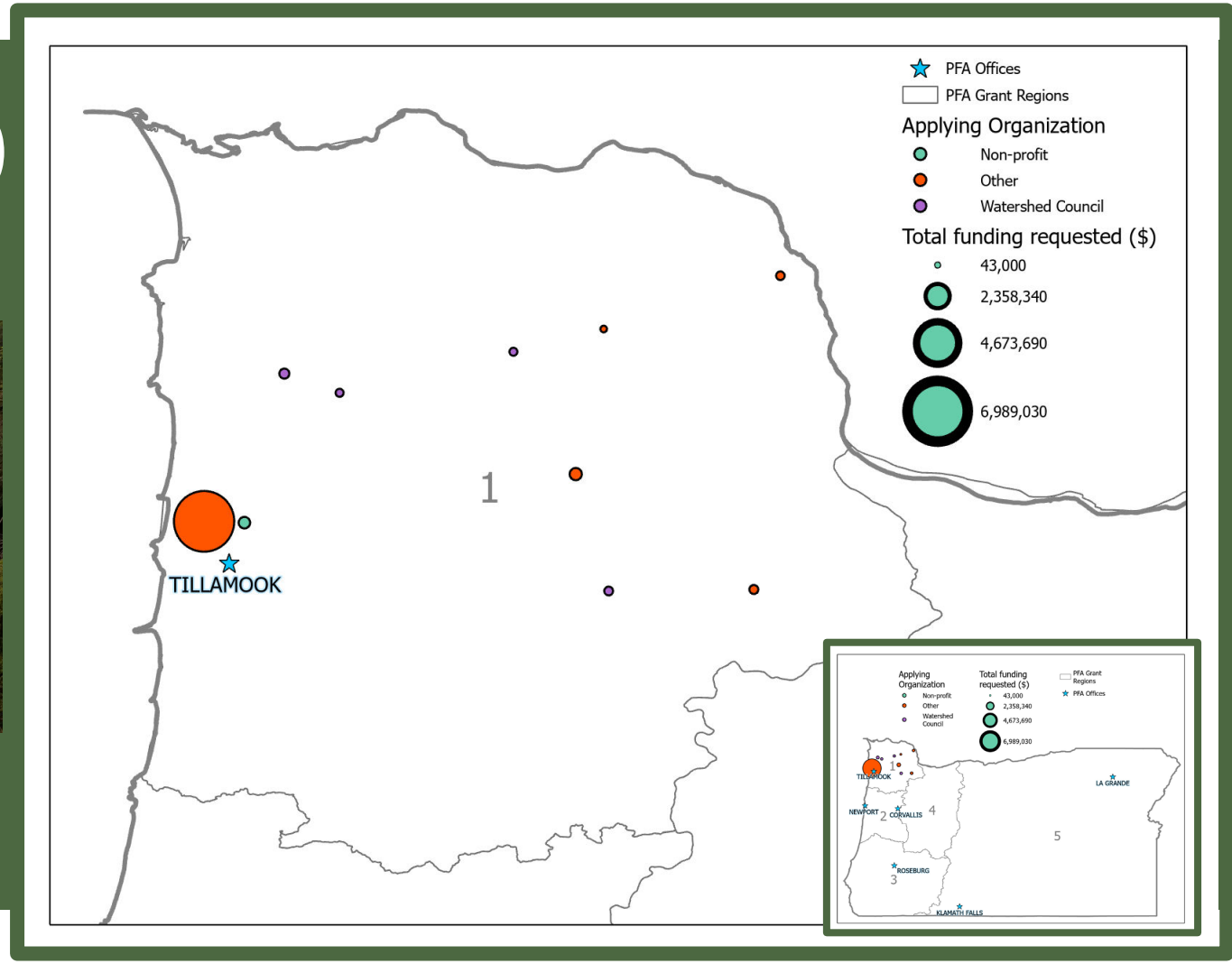
Regional Context and Background:

- HCP species in region
  - Native salmon and cutthroat trout
  - Green Sturgeon
  - Columbia torrent salamander, Coastal giant salamander, Cope's giant salamander, Coastal tailed frog
- Coho streams receive priority funding
  - Limiting factors are loss of rearing habitat and lack of stream complexity
- Common issues
  - Degraded water quality and habitat
  - Fish passage
  - Loss of cold water refugia
  - Cutoff sloughs in wetlands
- Recommended conservation actions: maintain and enhance in-channel watershed function and connection to riparian habitat, flow, and hydrology



Region 1

- $11,082,687.20 Requested (26%)
- 11 Proposals Submitted
  - 8 Implementation
  - 2 Planning
  - 1 Multiple
- Priority
  - 1 Critical
  - 5 High
  - 4 Medium & 1 Low
- 4/6 counties represented



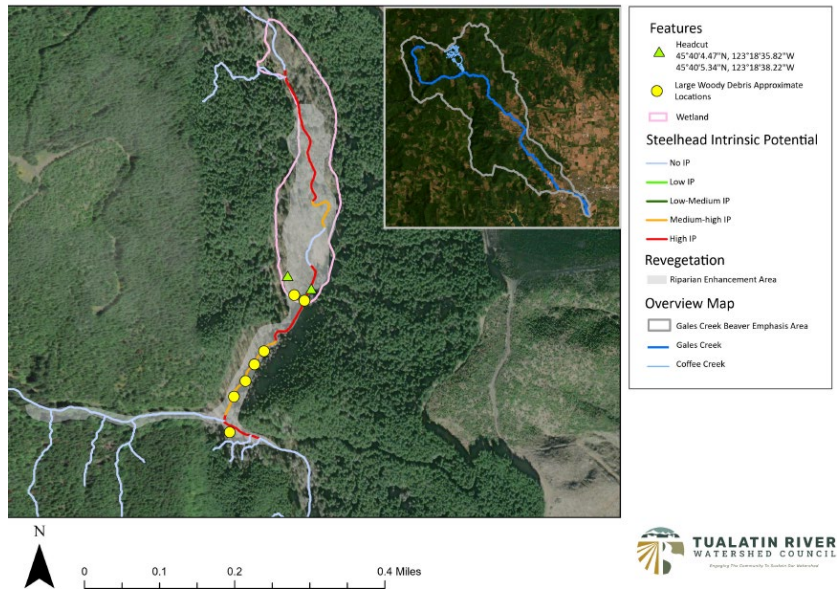
Clear/SF Clear Creeks and Lower North Fork Large Wood and Fish Passage Restoration

- **Applicant:** Oregon Department of Fish and Wildlife
- **Project Type:** Implementation
- **Cost:** $300,629
- **HCP Species:** Native salmon and trout
- **Project:**
  - 2.65 miles of improved stream connectivity by upgrading three failing and undersized culverts
  - Removing infrastructure in the stream channel at a fourth crossing
  - Increase 1.85 miles of instream habitat complexity by installing 25 large wood structures and adding additional LWD to streams
- **Benefits:**
  - Improving instream habitat complexity and stream connectivity
  - Support from multiple local partners, including Watershed Councils
- **Concerns:** Proposed monitoring plan is limited
- **Regional Priority:** **Critical**

Building Beaver-Influenced Landscapes to Support HCP Species in the Tualatin River Watershed

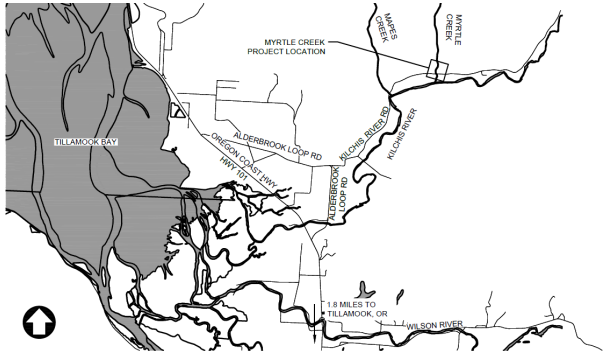
- **Applicant:** Tualatin River Watershed Council
- **Project Type:** Implementation; Planning; Stakeholder Engagement
- **Cost:** $399,796.25
- **HCP Species:** Coastal giant salamander, Coastal tailed frog, Columbia torrent salamander, Cope's salamander, Southern torrent salamander, Native salmon and trout
- **Project:**
  - Open 1.32 miles of stream and restore 0.27 stream miles and 16 floodplain acres
  - Remove partial fish passage barriers and enhance in-stream habitat complexity and connectivity
  - Survey beaver habitat and BioBlitz for HCP amphibians
- **Benefits:**
  - Benefit HCP species at a multiple-scale approach, including basin, subbasin, and site scales and with commitments from multiple project partners, and some of the work being shovel ready
  - Restoration projects in the high priority area of the Tualatin
  - Advancing beaver population knowledge and habitat in a Beaver Emphasis Area
- **Concerns:** Specific details concerning implementation are lacking
- **Regional Priority:** **High**

Coffee Creek Wetland Restoration Project



Myrtle Creek Fish Passage Project

- **Applicant:** Trout Unlimited
- **Project Type:** Implementation
- **Cost:** $755,128.77
- **HCP Species:** Native salmon and trout

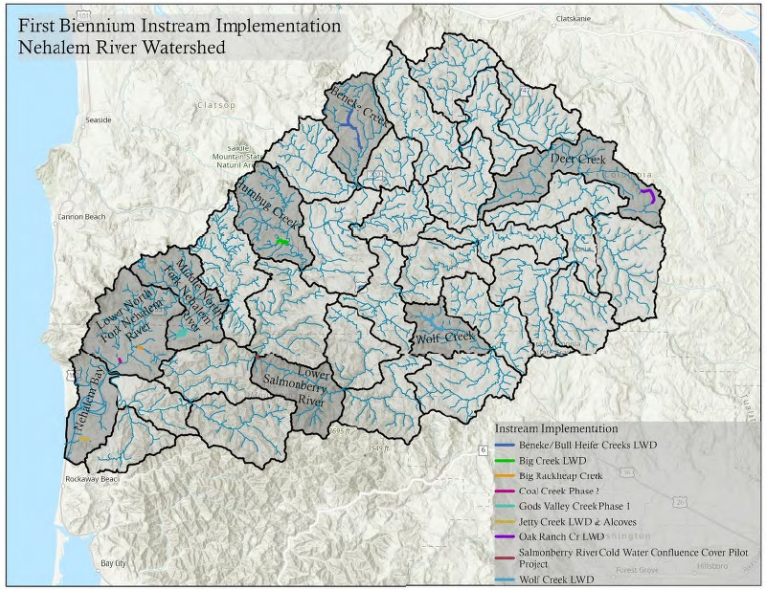


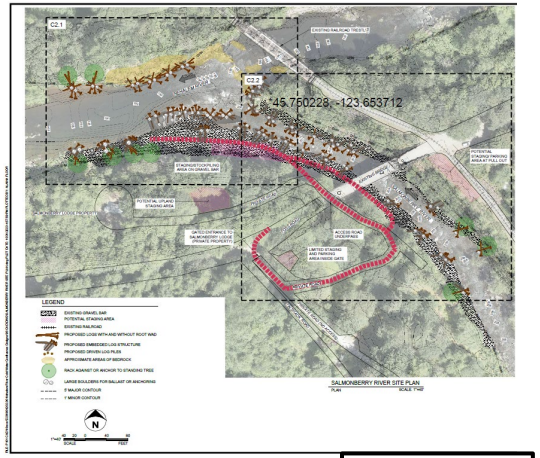
PROJECT SITE LOCATION MAP
SCALE: NTS

- **Project:** Replace an undersized, perched culvert that has created a fish passage barrier with a 42-foot bridge to 1.6 miles of habitat on Myrtle Creek
- **Benefits:**
  - 100% of design plans and almost entirely permitted
  - This is one of their high priority crossings for this basin
  - Address fish passage issue and benefit critical infrastructure needed for local landowners and numerous recreationists that annually visit a popular county campground
- **Concerns:**
  - Cost in relation to the stream accessed metric is a bit high
  - Budget is difficult to assess as contractual costs pertaining to construction are presented as a single lump sum
- **Regional Priority:** **High**

Nehalem Basin Partnership In-Stream Enhancement Projects

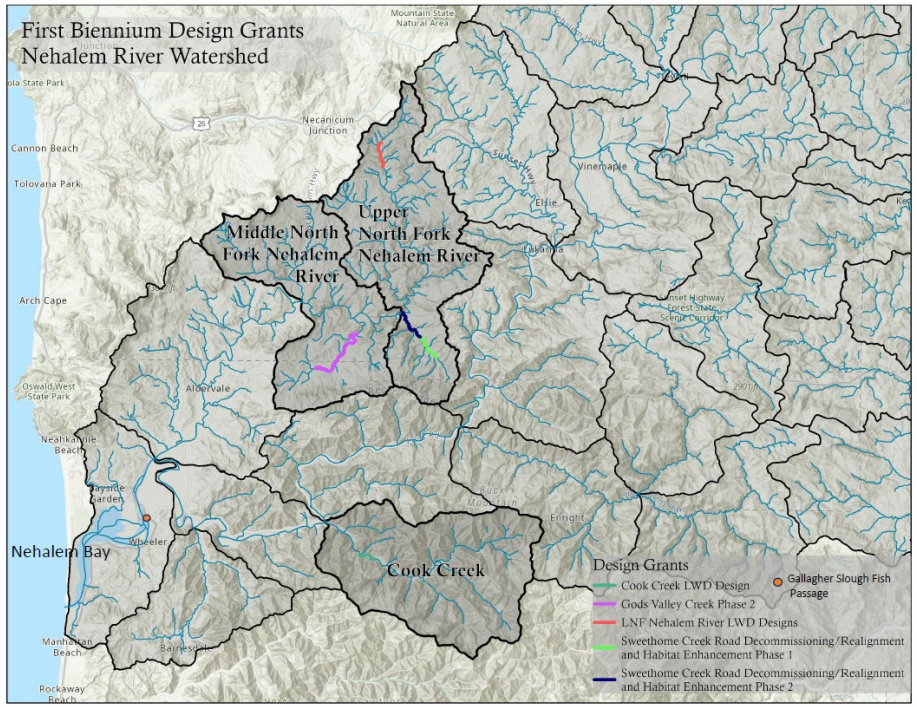
- **Applicant:** Lower Nehalem Watershed Council
- **Project Type:** Implementation
- **Cost:** $304,994.80
- **HCP Species:** Coastal giant salamander, Coastal tailed frog, Columbia torrent salamander, Native salmon and trout
- **Project:** 8 instream habitat enhancement projects, 158 LWD structures affecting 9 miles of in-stream habitat within the Nehalem Watershed
- **Benefits:**
  - Improve floodplain interaction, nutrient exchange, gravel sorting, instream habitat diversity, and off channel habitat improvements
  - Proposed locations in field verified anchor habitat at tributary junctions or at high intrinsic potential production reaches
  - Consistent with multiple action plans and priorities
- **Concerns:**
  - Application doesn't describe the longevity of LWD structures in Salmonberry/Nehalem, which are areas of high flows
  - The proposal seems to rely somewhat on competitive FIP funding from OWEB
- **Regional Priority:** **High**





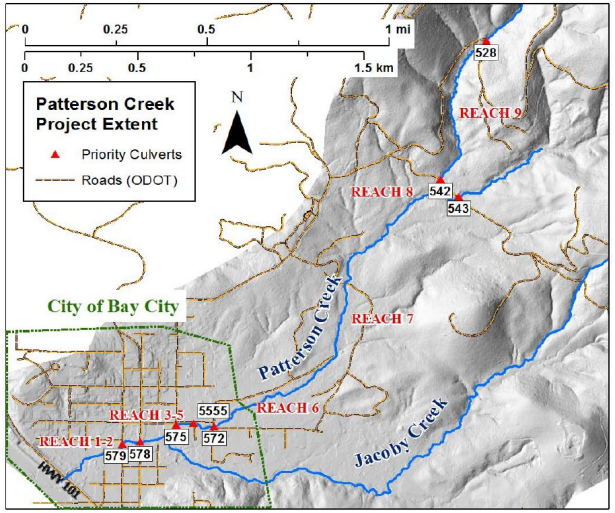
Nehalem Basin Partnership Passage and Habitat Enhancement Designs

- **Applicant:** Lower Nehalem Watershed Council
- **Project Type:** Planning
- **Cost:** $561,193.68
- **HCP Species:** Coastal giant salamander, Coastal tailed frog, Columbia torrent salamander, Native salmon and trout
- **Project:**
  - Engineering/design work for 4 instream habitat enhancement projects and one tide gate modification
  - 2.5 miles of road may be decommissioned
  - 7 miles of instream enhancements, access to 2.0 miles of slough currently blocked by gate
- **Benefits:** This project is focused on addressing primary and secondary limiting factors for Oregon Coast Coho in focal watersheds
- **Concerns:** Uncertainty regarding the outcome of site evaluations to determine project feasibility and securing landowner agreements
- **Regional Priority:** High



Patterson Creek Project

- **Applicant:** City of Bay City
- **Project Type:** Implementation
- **Cost:** $6,989,030
- **HCP Species:** Native salmon and trout
- **Project:**
  - Eliminate fish passage barriers along reaches 3-6 in Patterson Creek
  - Improve quality habitat suitable for spawning and rearing for anadromous fish populations in Tillamook Bay for 3.7 miles of Patterson Creek
- **Benefits:**
  - Proposed riparian restoration activities with the improved hydrologic and sediment processes that may result from barrier removal could contribute to high-quality spawning and rearing habitat within the system
  - City and community engagement in the project appears strong
- **Concerns:** This is an extremely high request for PFA funding, representing nearly 70% of funds available for this grant cycle.
- **Regional Priority:** High



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Region 1 Presentation

Questions?

Oregon Department of Fish and Wildlife

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GRANT PROGRAM

Region 2 Presentation

Presented by:

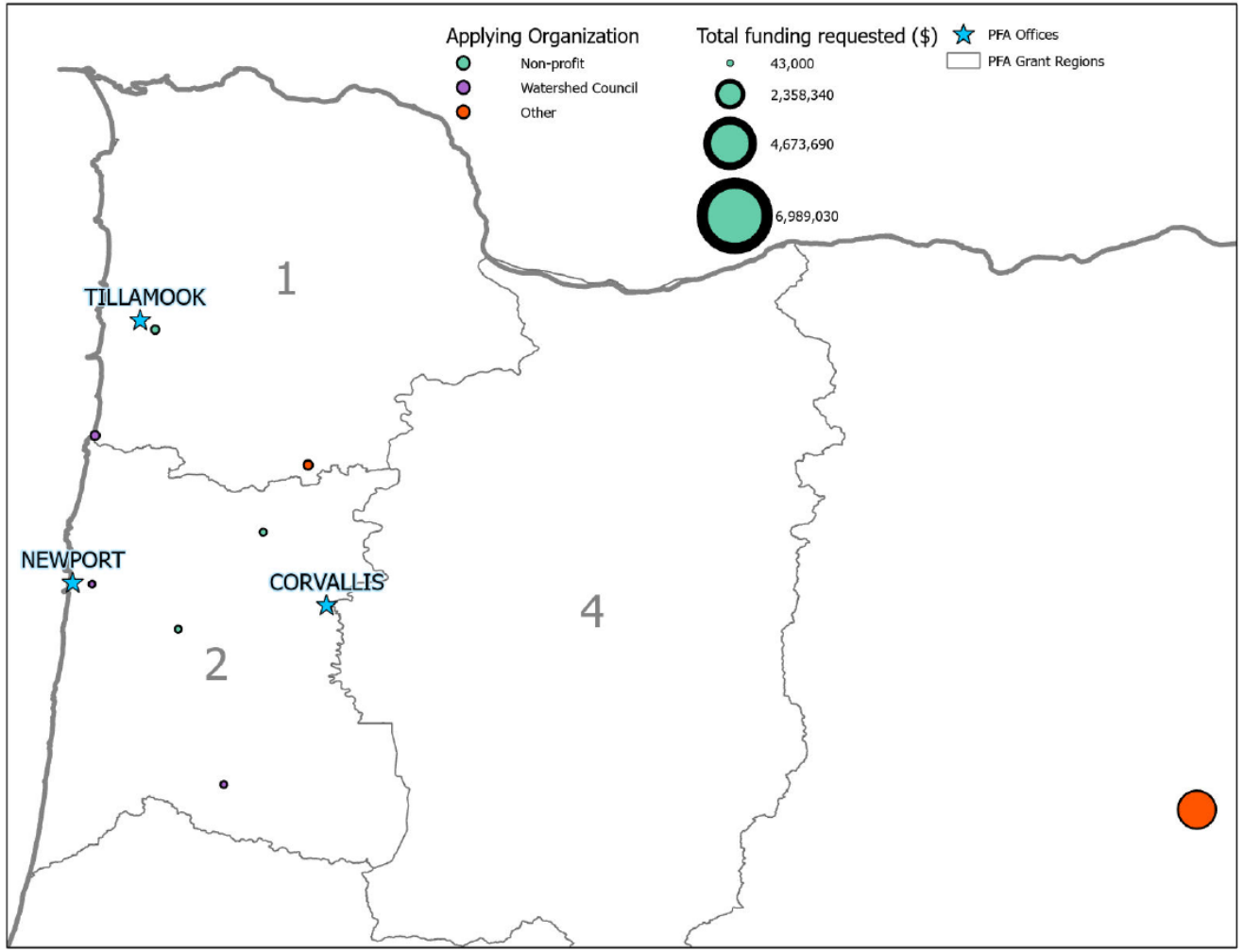
- **Kevin Gray**

OREGON
Fish & Wildlife

Oregon Department of Fish and Wildlife

Regional Context and Background:

- $7,183,193.36 Requested
- 9 Proposals Submitted
  - 6 implementation
  - 2 Planning
  - 1 Research & Monitoring
- Priority
  - 1 Critical
  - 5 High
  - 1 Medium
  - 1 Low
  - 1 Do Not Fund
- 36 counties represented



Regional Context and Background:

- HCP species in region
  - Coho Salmon, Chinook Salmon, Upper Willamette Winter Steelhead, Coastal Cutthroat, Coastal Chum Salmon, Coastal Giant Salamander, Coastal Tailed Frog, Columbia & Southern Torrent Salamander
- Coho streams receive priority funding
  - PFA Grant provides funding for Beaver Conservation, Riparian Restoration, and Wood Augmentation
- Common issues
  - Degraded habitat (e.g., due to agriculture, past forest practices, roads/crossings)
  - High water temperatures
  - Declining anadromous populations
  - Ongoing climate change
  - In-stream physical habitat (gravels), water quality primary limiting factors

Determine Genetic Groups, Thermal Gradients, Effective Survey Methods and Mitigation of Siltation for Sensitive Stream Amphibians

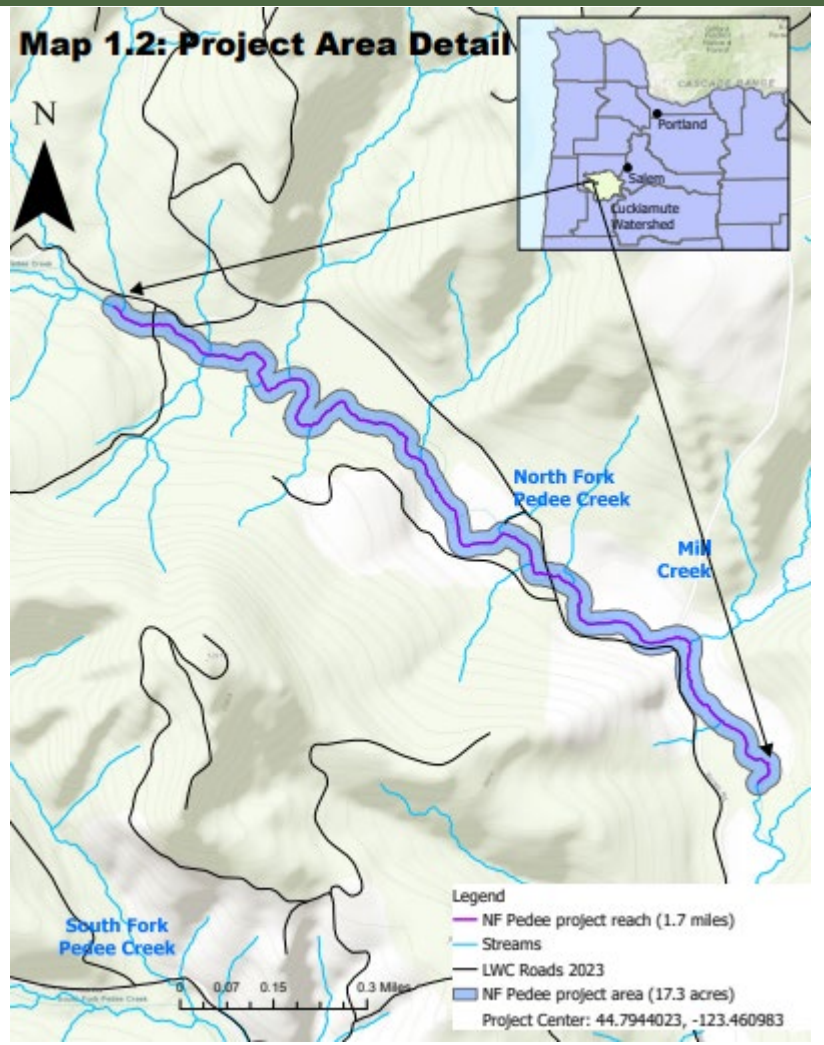
- **Applicant:** NW Ecological Research Institute
- **Project Type:** Research & Monitoring
- **Cost:** $106,893.00
- **HCP Species:** Coastal Giant Salamander, Coastal Tailed Frog, Columbia Torrent Salamander, Southern Torrent Salamander
- **Project:** Update identification, distribution, abundance, and habitat requirements of Torrent Salamanders and Tailed Frogs in the Oregon Coast Range
- **Benefits:**
  - Define habitat requirements of Torrent Salamanders/Tailed Frogs
  - Develop effective protection and restoration of the sensitive species and their habitats
  - Advance knowledge of genetic groups and what species exist in the Oregon Coast Range
- **Regional Priority:** Critical

Beaver Creek Valley-Scale Floodplain Restoration Design

- **Applicant:** MidCoast Watersheds Council
- **Project Type:** Planning
- **Cost:** $50,000.00
- **HCP Species:** Coho, Cutthroat, Pacific Giant Salamander
- **Project:** Finalize designs for a restoration project to restore stream and floodplain form, function, and processes in 37 acres of the Beaver Creek valley
- **Benefits:**
  - Restore floodplain connectivity, instream complexity and healthy riparian habitat
  - Increase winter and summer rearing habitat for juvenile salmonids
  - Build resiliency against the impacts of climate change
  - Co-benefits to Coastal Chinook, Steelhead, Pacific Lamprey, and Beaver
  - Placement of large wood, planting of riparian vegetation, and installation of Beaver Dam Anchors (BDAs) will restore stream and riparian function and processes
- **Regional Priority:** High

North Fork Pedee Creek Enhancement Project

- **Applicant:** Luckiamute Watershed Council
- **Project Type:** Planning
- **Cost:** $102,077.00
- **HCP Species:** Upper Willamette Winter Steelhead, Cutthroat
- **Project:** Address limiting factors of physical habitat quality/quantity and water quality in NF Pedee Crk.
- **Benefits:**
  - Increased bedload retention, improving channel-floodplain interaction
  - Enhanced riparian structure and forest dynamics
  - Provide source of future large wood
  - Enhancement benefits UWR steelhead, lamprey, and other species
- **Concerns:**
  - Continued funding for LWC staff involved on this project
  - Log staging; Storing at E.E. Wilson → Doubling cost to mobilize wood
- **Regional Priority:** **High**



Pataha Creek Coho Salmon Habitat Restoration

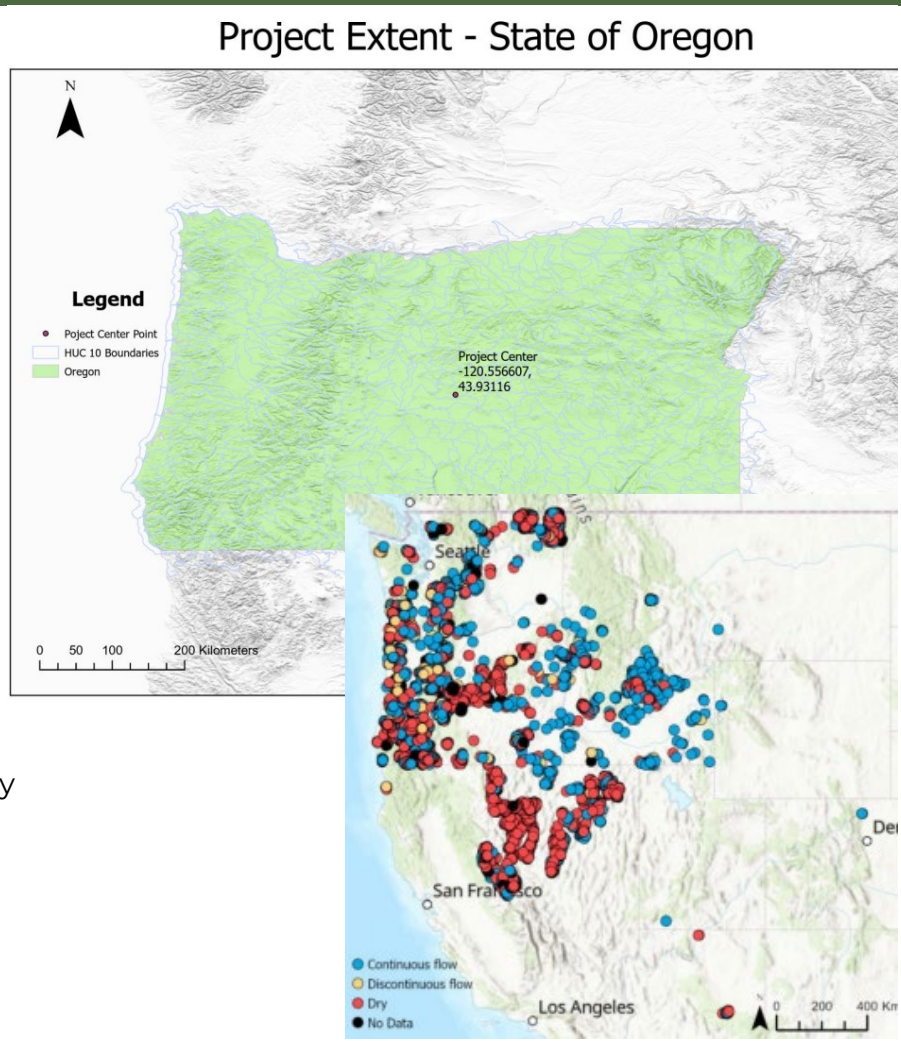
- **Applicant:** Siuslaw Watershed Council
- **Project Type:** Implementation; Planning
- **Cost:** $97,505.34
- **HCP Species:** Coastal Giant Salamander, Native Salmon and Trout
- **Project:** Restore natural habitat forming processes
- **Benefits:**
  - Adds large wood to 1.2 mi of essential salmonid habitat
  - Increased stream complexity and floodplain connectivity
  - Increased/enhanced spawning and rearing habitat for anadromous salmonids
  - Addressing primary limiting factors for Coho salmon recovery described in the NOAA Oregon Coast Recovery Plan
- **Regional Priority:** **High**

Upper Sutton Creek Fish Passage Project

- **Applicant:** Nestucca, Neskowin, and Sand Lake Watersheds Council
- **Project Type:** Implementation
- **Cost:** $350,258.00
- **HCP Species:** Coho salmon, Chum salmon, Cutthroat Trout
- **Project:** Improve passage for coho salmon, coastal cutthroat, steelhead and potentially chum salmon at two culvert sites
- **Benefits:**
  - Improve access to spawning and rearing habitat for fish and other aquatic species
  - Improve natural stream function/disturbance regimes
  - Improve channel maintenance, stream flows
  - Allow passage of sediment and organic material
  - Improve access to cold water summer and winter high flow refugia
- **Regional Priority:** **High**

Streams and road-stream crossings in Oregon – Updating critical information on natural and human built infrastructure

- **Applicant:** US Geological Survey
- **Project Type:** Implementation, Planning, Research & Monitoring, Stakeholder Engagement
- **Cost:** $3,758,972.00
- **HCP Species:** All aquatic HCP Species across 36 Oregon Counties
- **Project:** Update critical information on Oregon's natural and human-built infrastructure related to streams, roads, and road-stream crossings
- **Benefits:**
  - Updates existing hydrography/stream networks, flow permanence, and stream crossing network information on public lands
  - Parallels focuses of the PFA: streams, roads, crossing structures
- **Concerns:**
  - Will anticipated workflows of this project and its collaboration with ODFW and others have an impact on already heavy workloads of PFA Bios and others?
  - Duplication of effort- Road/crossing networks, stream hydrology, and flow permanence are already being analyzed, reviewed, and updated through multi agency efforts under and in support of the PFA and updated Forest Practices rule
- **Regional Priority:** High



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Region 3 Presentation

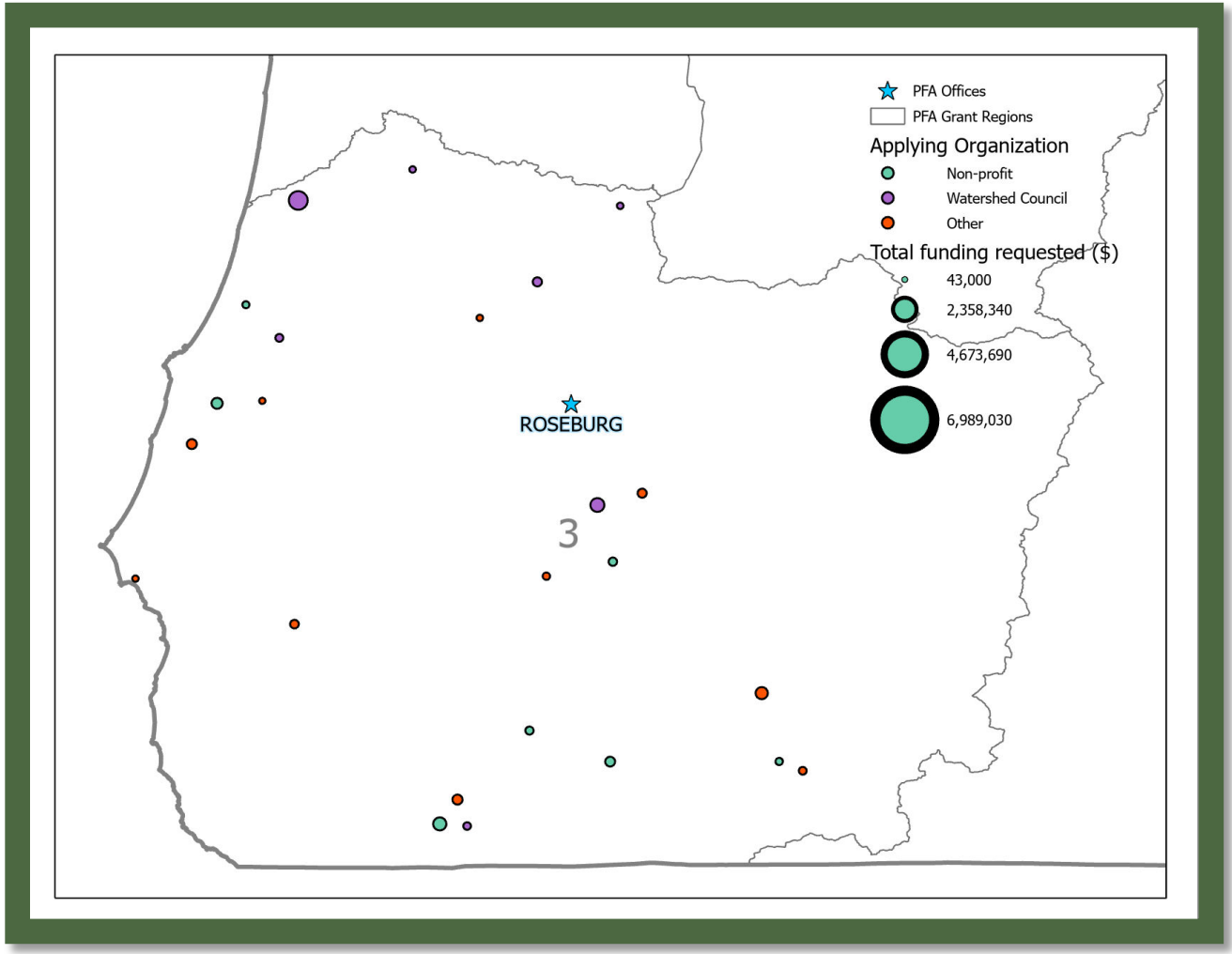
Presented by:

- **AJ Van Domelen**

Oregon Department of Fish and Wildlife

Regional Context and Background:

- $11,539,212 Requested ()
- 24 Proposals Submitted
  - 10 Implementation
  - 3 Planning
  - 2 Research & Monitoring
  - 9 Multiple
- Priority
  - 6 Critical
  - 9 High
  - 5 Medium
  - 3 Low
  - 1 Fund with Considerations
- All Counties Represented

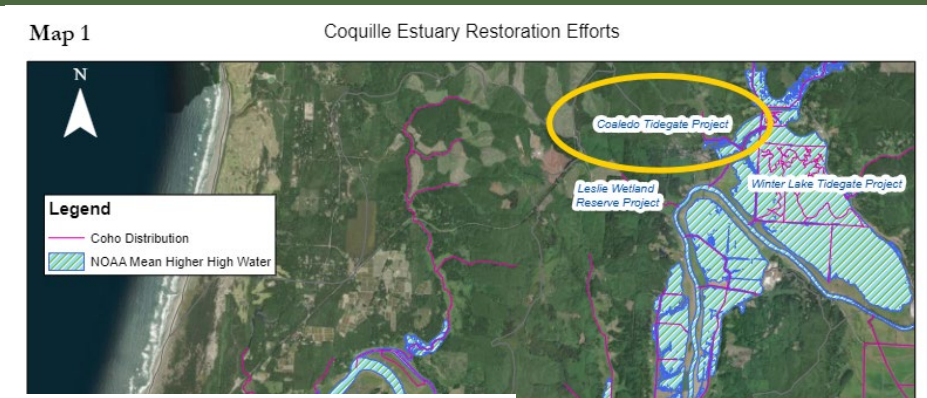


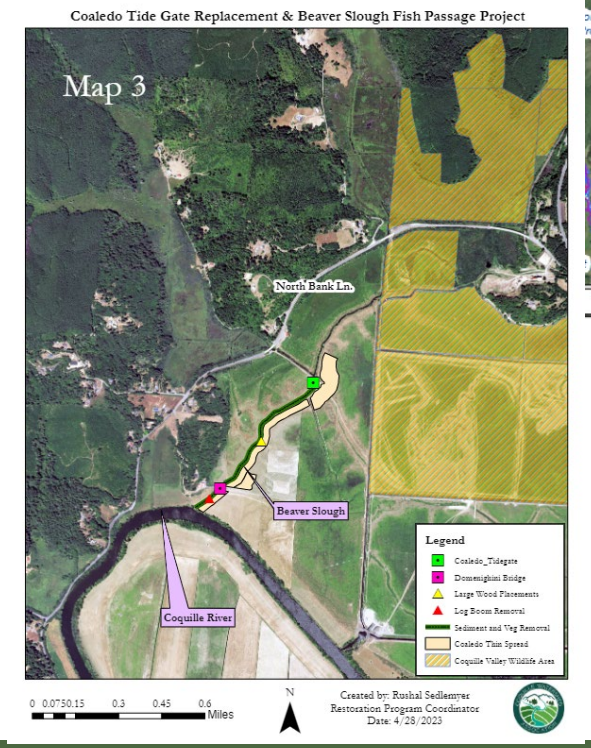
Regional Context and Background:

- HCP species in region
  - All Species except for Bull Trout, Mountain Whitefish, Cope's Giant Salamander, and Columbia Torrent Salamander.
- Coastal Coho delisting is a priority goal
- Rogue basin has an overabundance of small irrigation dams
- Common issues
  - Loss and degradation of tidal floodplain habitat
  - Passage restrictions due to small private dams
  - High water temperatures
  - Juvenile salmonid summer and winter survival
  - Declining anadromous populations/Nonnative competition
  - Catastrophic wildfires

Coaledo Tide Gate & Beaver Slough Fish Passage Project

- **Applicant:** Coquille Watershed Association
- **Project Type:** Implementation
- **Cost:** $731,576.00
- **HCP Species:** ESU Oregon Coast Coho (Oncorhynchus kisutch), fall Chinook (O. tshawytscha), coastal cutthroat trout (O. clarki clarki), and winter steelhead (O. mykiss).
- **Project:**
  - Replace failing tidegate on lower Coquille river.
- **Benefits:**
  - Improves passage to 490 acres of tidal floodplain and 11.4 miles of coho streams
  - Provides access to critically important habitat for all present salmonid species.
- **Regional Priority:** **Critical**





Highland Ditch Dam Removal, Water Resource and Fish Protection Project

- **Applicant:** South Umpqua Rural Community Partnership
- **Project Type:** Implementation
- **Cost:** $385,000.00
- **HCP Species:** ESU Oregon Coast Coho (Oncorhynchus kisutch), fall Chinook (O. tshawytscha), coastal cutthroat trout (O. clarki clarki), and winter steelhead (O. mykiss).
- **Project:** Remove irrigation dam and replace with pumping solution
- **Benefits:**
  - Removes passage obstruction to 17 miles of coho spawning and rearing habitat.
- **Concerns:**
  - Final path of pipe with landowner agreements has not been determined.
  - No solid plan to fund future maintenance of new irrigation infrastructure
- **Regional Priority:** **Critical**

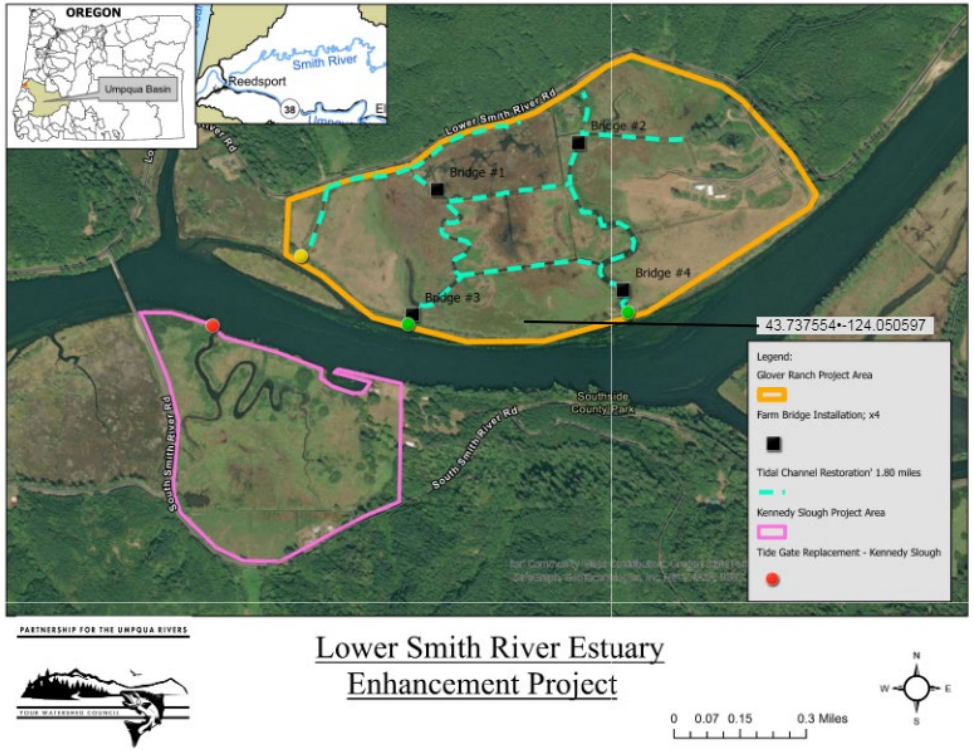
Diversion Dam

Diversion Dam In Use

image 4

Lower Smith River Estuary Enhancement

- **Applicant:** Partnership For the Umpqua Rivers
- **Project Type:** Implementation, Planning
- **Cost:** $1,737,389.00
- **HCP Species:** Coho, Chinook, Cutthroat, Rainbow/Steelhead
- **Project:**
  - Replace 1 passage Barrier
  - Install 4 bridges
- **Benefits:**
  - Restore 1.8 miles of tidal stream channel
  - Improve passage to 6.8 miles of spawning and rearing habitat
- **Concerns:**
  - Kennedy property will not see full uplift until future projects are implemented
  - Lacking detail in tide gate management and tidal channel construction
- **Regional Priority:** **Critival**

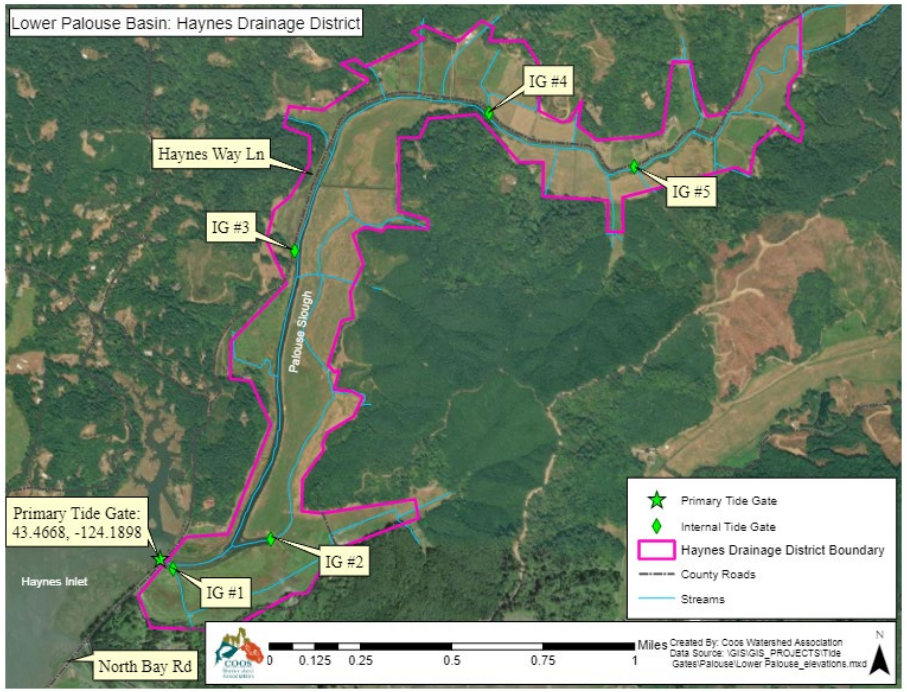


Millicoma Confluence Restoration Project

- **Applicant:** Coos Watershed Assosication
- **Project Type:** Implementation
- **Cost:** $315,687.60
- **HCP Species:** Coho, Chinook, Steelhead, Chum
- **Project:** Remove tide gate and levy to project area.
- **Benefits:**
  - Create 10.8 acres of full tidal wetland
  - Inundates previously completed tidal channel and root wad placement
- **Concerns:**
  - Previous Engineering mistake caused delay, fixed design has not been fully permitted
- **Regional Priority:** **Critical**

Palouse Slough Primary Tide Gate Upgrade

- **Applicant:** Coos Watershed Association
- **Project Type:** Implementation
- **Cost:** $206,841.11
- **HCP Species:** Coho, Steelhead, Cutthroat
- **Project:** Remove and replace failing tidegate
- **Benefits:**
  - Improve passage to 13 miles of spawning and rearing habitat.
  - Access to largest area of high intrinsic value habitat
- **Concerns:**
  - Novel tidegate design, has not been previously implemented
- **Regional Priority:** **Critical**

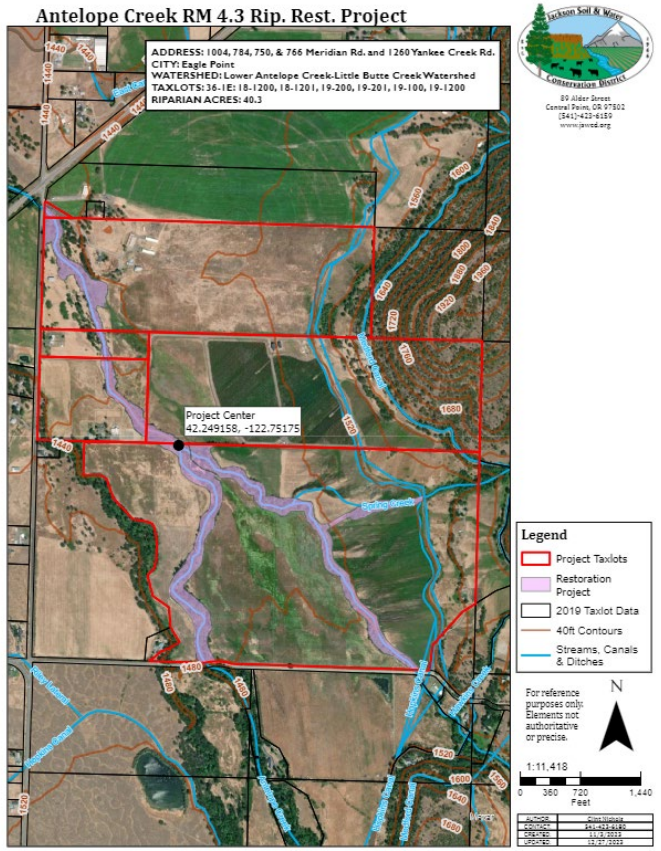


South Umpqua Coho Strategic Action Plan

- **Applicant:** Partnership for the Umpqua Rivers
- **Project Type:** Planning, Research and Monitoring
- **Cost:** $1,093,876.60
- **HCP Species:** Coho, Chinook, Steelhead, Cutthroat Trout,
- **Project:** Funding for strategic action plan, 900 miles of rapid bio assessment surveys, and project outlines.
- **Benefits:**
  - Provide baseline data and plan for the South Umpqua Coho Collaborative to use in their pursuit of recovering OC Coho to the point of delisting.
- **Concerns:**
  - Not directly tied to an implementation project
- **Regional Priority:** **Critical**

Antelope Creek RM 4.3 Riparian Restoration Project

- **Applicant:** Jackson Soil & Water Conservation District
- **Project Type:** Implementation
- **Cost:** $302,960.00
- **HCP Species:** Coho, Steelhead, Rainbow Trout
- **Project:** Fence and plant 2 miles of Antelope and Yankee Creek
- **Benefits:**
  - Restore 41 Acres of riparian forest.
  - Improve water quality in the long term
- **Concerns:**
  - Planting strategy not covered in implementation plan
- **Regional Priority:** **High**



Assessment of salmonid habitat improvements associated with large wood and boulder weir placement in Wolf Creek

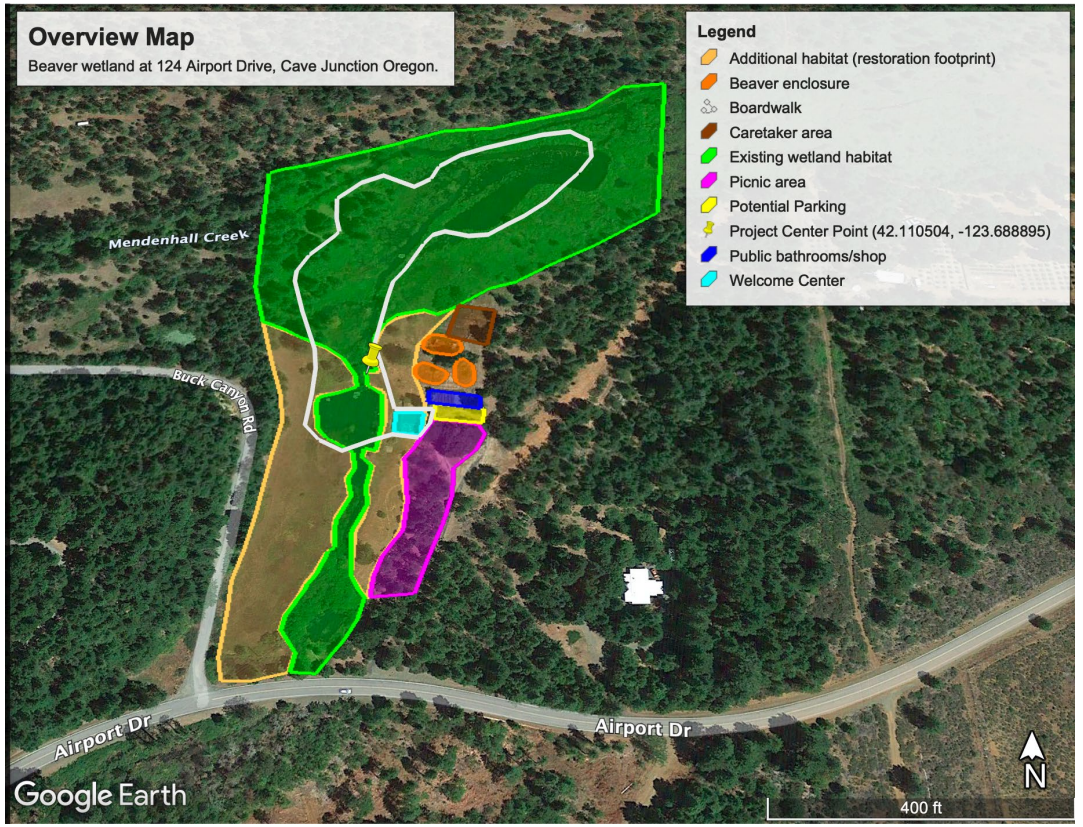
- **Applicant:** Oregon State University
- **Project Type:** Research and Monitoring
- **Cost:** $132,083.00
- **HCP Species:** Coho, Steelhead, Rainbow Trout, Cutthroat Trout
- **Project:** Use existing data sets to assess ecological impacts of restoration on Wolf Creek.
- **Benefits:**
  - Provide insight on restoration strategies and structures and their impact on stream processes.
- **Concerns:**
  - Restoration strategies used in Wolf Creek do not reflect current practices
- **Regional Priority: High**

Bear Creek Riparian Restoration

- **Applicant:** Coos Soil and Water Conservation District
- **Project Type:** Implementation, Planning
- **Cost:** $592,788
- **HCP Species:** Coho, Chinook, Steelhead, Cutthroat
- **Project:** Fence and plant 2.45mi of stream
- **Benefits:**
  - Restore function to 15.67 acres of riparian habitat
  - Likely leads to strong temperature refugia for entire length of creek
- **Concerns:**
  - Riparian setbacks are not particularly robust.
  - Cattle access to creek still allowed on some properties
- **Regional Priority:** **High**

Increasing aquatic habitat under the stewardship of beavers in Southern Oregon

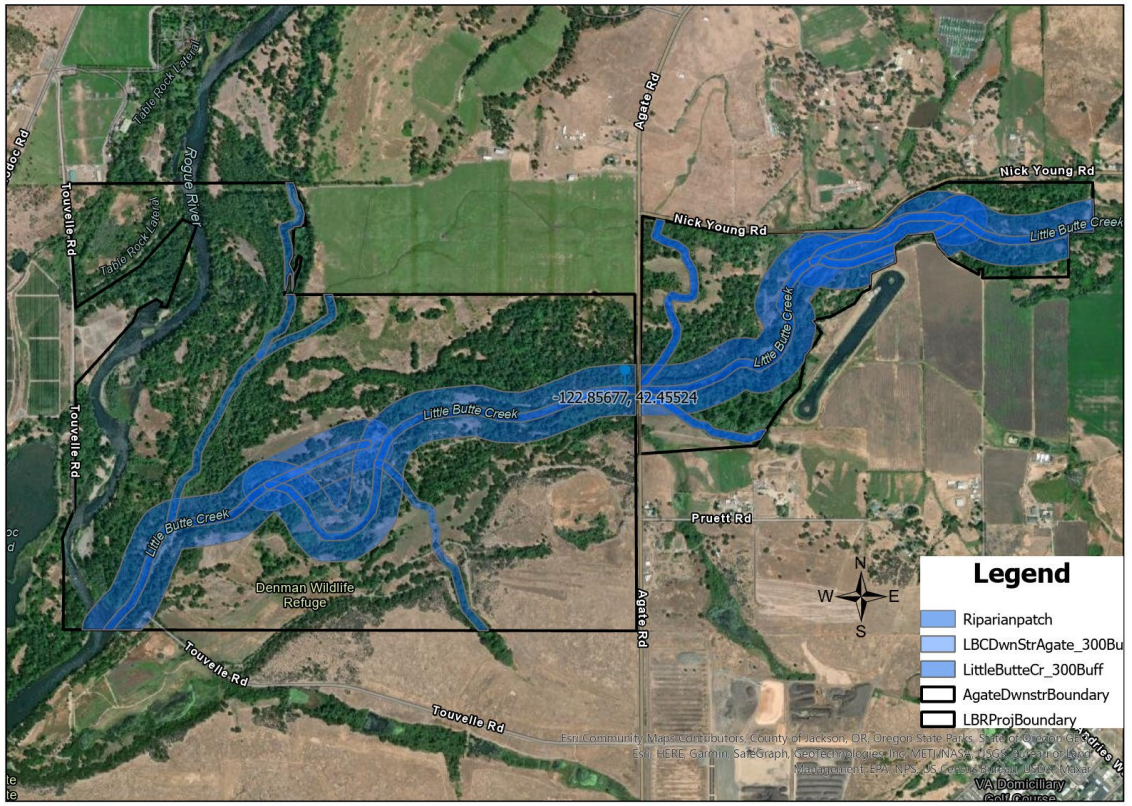
- **Applicant:** Deschutes Land Trust
- **Project Type:** Implementation, Planning, Research and Monitoring, Stakeholder Engagement
- **Cost:** $995,091.00
- **HCP Species:** Coho, Chinook, Steelhead, Cutthroat Trout
- **Project:** Comprehensive Beaver Coexistence Program and wetland restoration
- **Benefits:**
  - Restore 2 acres of wetland in basin lacking perennial water.
  - Increase coexistence of beavers and humans in the Rogue basin
- **Concerns:**
  - Relocating beavers is not a top option for ODFW
  - Limited sites for relocation
- **Regional Priority:** **High**



Little Butte Creek Riparian Restoration and Upland Fuels Project

- **Applicant:** ODFW
- **Project Type:** Implementation
- **Cost:** $887,897.00
- **HCP Species:** Coho, Chinook, Steelhead, Chinook
- **Project:**
  - Remove invasive species and replant riparian areas of Denman Wildlife Area
- **Benefits:**
  - Restore function to 217 acres of Riparian
  - High public engagement site
- **Concerns:**
  - Upland Fuels treatment has limited benefits for HCP species
- **Regional Priority:** **High**

Riparian Restoration Treatment Areas-300' and 50' Buffers

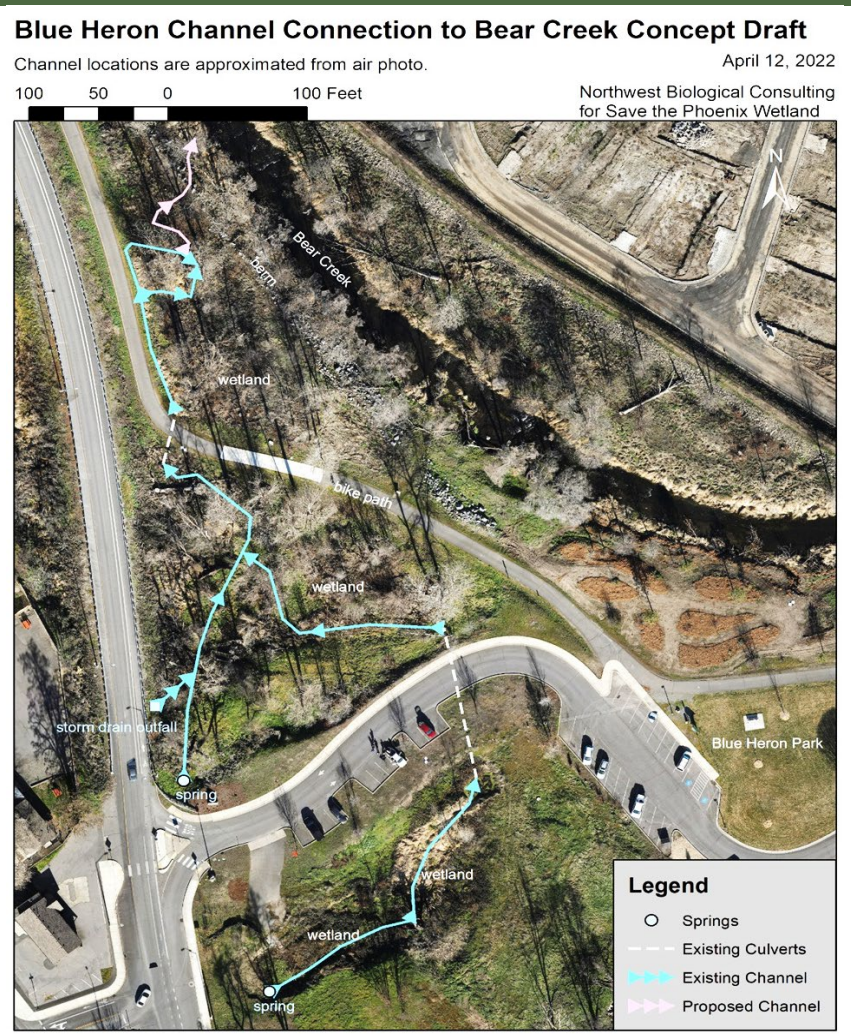


Project Stream Lined

- **Applicant:** ODFW
- **Project Type:** Implementation, Stakeholder Engagement
- **Cost:** $250,000.00
- **HCP Species:** Coho, Chinook, Steelhead, Cutthroat Trout, Rainbow Trout
- **Project:** Establish streamlined program to supply landowners with riparian fencing and beaver coexistence supplies
- **Benefits:**
  - Provides streamlined process to get restoration and coexistence supplies into the hands of landowners
- **Concerns:**
  - No landowner agreements in place
  - Project lacks specificity in anticipated project implementation
- **Regional Priority:** **High**

Rock Berm Removal and Blue Heron Channel Connection along the Bear Creek corridor in Phoenix, OR

- **Applicant:** Rogue Basin Partnership
- **Project Type:** Implementation
- **Cost:** $238,250.00
- **HCP Species:** Coho, Chinook, Steelhead, Rainbow Trout
- **Project:** Remove rock berm and reconstruct stream channel
- **Benefits:**
  - Restores access to crucial cool water refugia in temperature limited basin
- **Concerns:**
  - Small amount of habitat being restored
  - Post implementation maintenance of plantings seems insufficient
- **Regional Priority:** **High**



Smith River Basin Fish Passage Improvement

- **Applicant:** Smith River Watershed Council
- **Project Type:** Planning
- **Cost:** $129,674.60
- **HCP Species:** Coho, Chinook, Steelhead, Cutthroat Trout
- **Project:** Procure engineered designs for 5 fish passage structures on the Smith River
- **Benefits:**
  - Provides designs that if implemented would provide passage to 8 miles of spawning and rearing habitat
- **Concerns:**
  - No Funding for implementation
- **Regional Priority:** **High**

Yellow Creek Instream Restoration Phase 2

- **Applicant:** Partnership for the Umpqua Rivers
- **Project Type:** Implementation, Planning
- **Cost:** $485,112.00
- **HCP Species:** Coho, Steelhead, Cutthroat Trout
- **Project:** Treat 5.7mi of stream with large wood structures
- **Benefits:**
  - Installs 91 large wood structures in Essential Salmonid Habitat
  - Completes current restoration activities in the Yellow Creek Basin
- **Concerns:**
  - No monitoring of HCP amphibians
- **Regional Priority:** **High**

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Region 4 Presentation

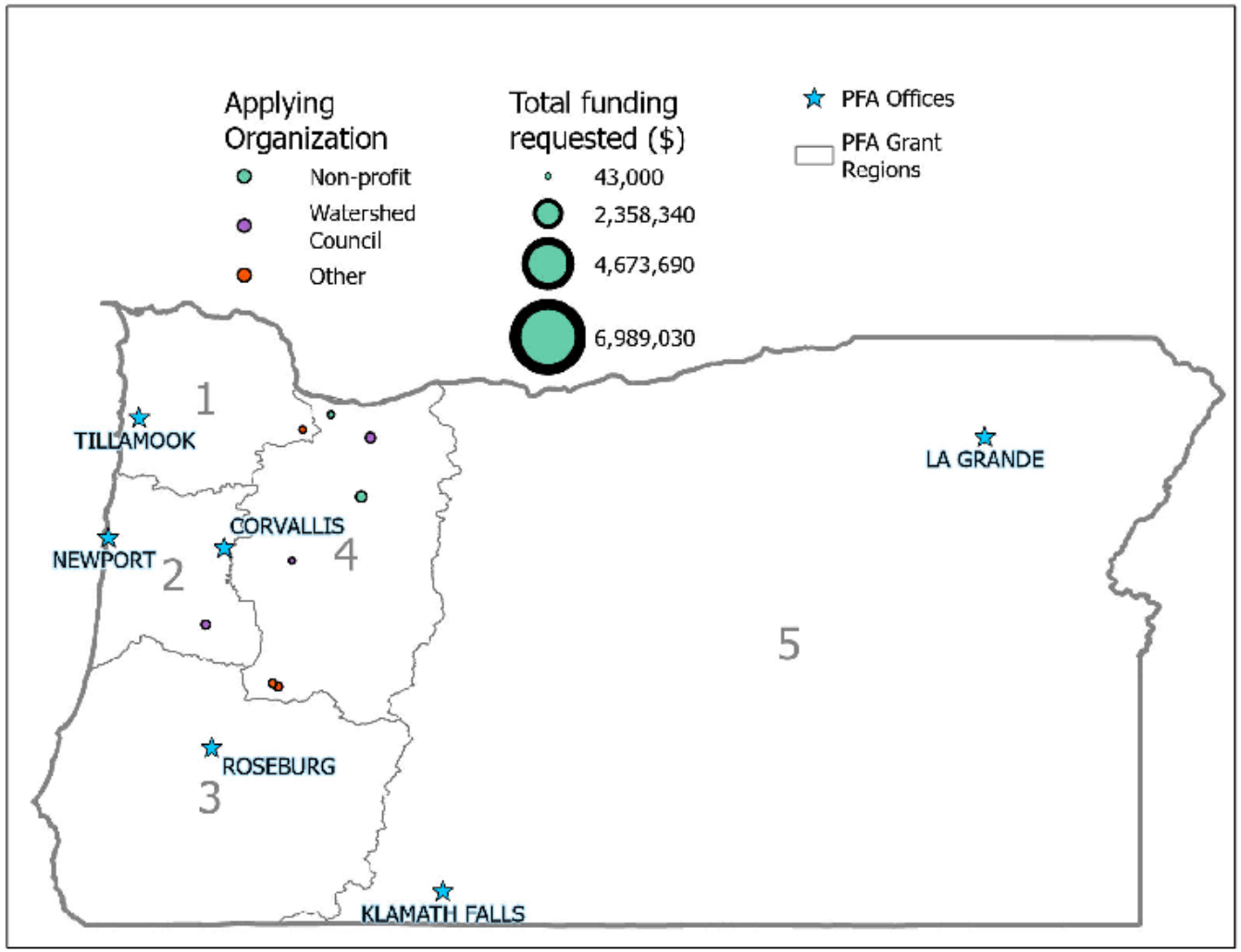
Presented by: Paul Olmsted

OREGON
Fish & Wildlife

Oregon Department of Fish and Wildlife

Regional Context and Background:

- $2,099,216 Requested (4.8%)
- 8 Proposals Submitted
  - All 8 Implementation
- Priority
  - 2 Critical
  - 1 High
  - 2 Medium
  - 3 Low



Regional Context and Background:

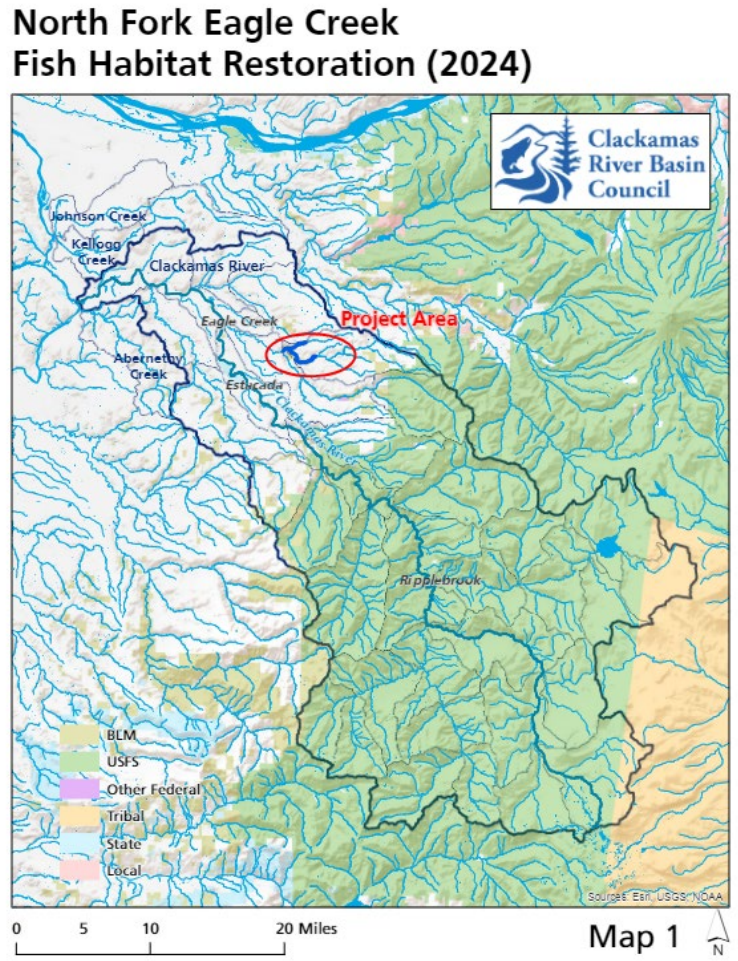
- HCP Species in Region 4
  - Native salmonids, bull trout, mountain whitefish, pacific eulachon, Columbia torrent salamander, southern torrent salamander, coastal giant salamander, Cope's giant salamander, coastal tailed frog
- Priority Species/ESA Listed
  - Upper Willamette Spring Chinook and Winter Steelhead
  - Lower Willamette Spring Chinook, Winter Steelhead, and Coho
- Other Species of Concern
  - Beavers, lamprey, western pond turtles
- Common Issues
  - Degraded habitat
  - Water Quality
  - Lack of Stream Complexity
  - Fish Passage

Molalla Headwaters Fire Recovery

- **Applicant:** Native Fish Society
- **Project Type:** Implementation, Monitoring
- **Cost:** $505,786
- **HCP Species:** Upper Willamette Spring Chinook and Steelhead, Coastal Cutthroat Trout
- **Project:**
  - Add large wood to the upper Molalla River to improve stream complexity/water quality/fish habitat post Beachie Creek fire
- **Benefits:**
  - Improve stream complexity for fish and all aquatic species present
  - Improve water quality, address high summer stream temperatures and winter turbidity issues
  - Improve stream conditions post fire
  - Good landowner and partnership, project area is located on a working forest
- **Concerns:**
  - Large water for wood placement, potential difficulties for long term log jam success/lifespan
- **Regional Priority:** **Critical**

North Fork Eagle Creek Fish Habitat Restoration & Fuels Reduction Project

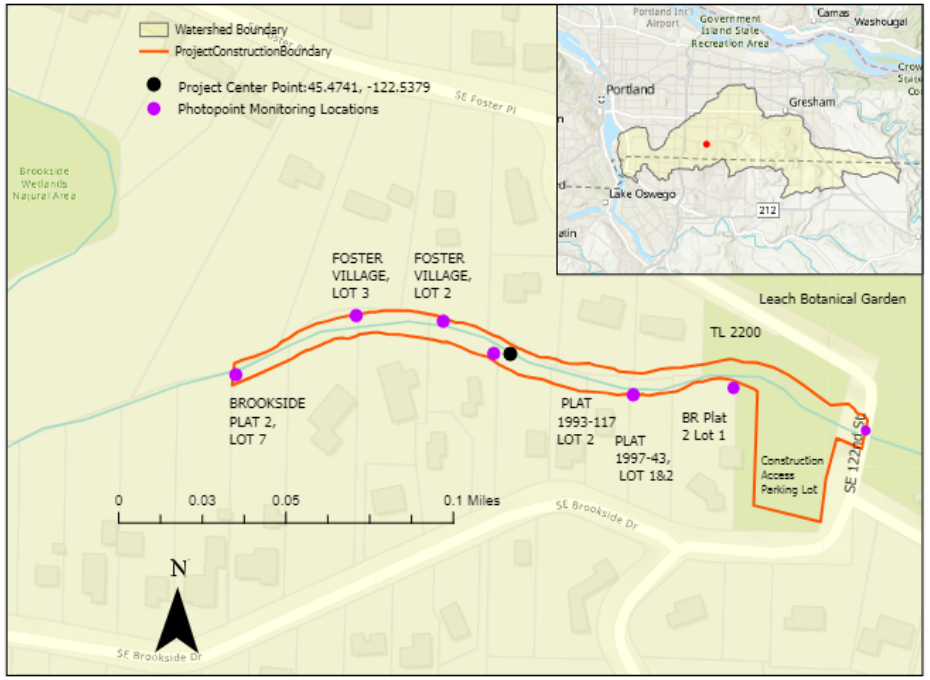
- **Applicant:** Clackamas River Watershed Council
- **Project Type:** Implementation
- **Cost:** $476,510
- **HCP Species:** Spring Chinook, Winter Steelhead, Coho, Cutthroat trout
- **Project:**
  - Add large wood to North Fork Eagle Creek to improve stream complexity/water quality/fish habitat
- **Benefits:**
  - Improve stream complexity, fish habitat, water quality in known productive stream for anadromous salmonids that lacks large woody debris
  - Good partnerships and community support
  - Diverse landownership, small woodland owners, BLM, county, PG&E
  - Part of a larger project that address upland issues as well
- **Concerns:**
  - Large water for wood placement, potential difficulties for long term log jam success/lifespan
- **Regional Priority:** **Critical**



Leach Botanical Area Habitat Enhancement Project

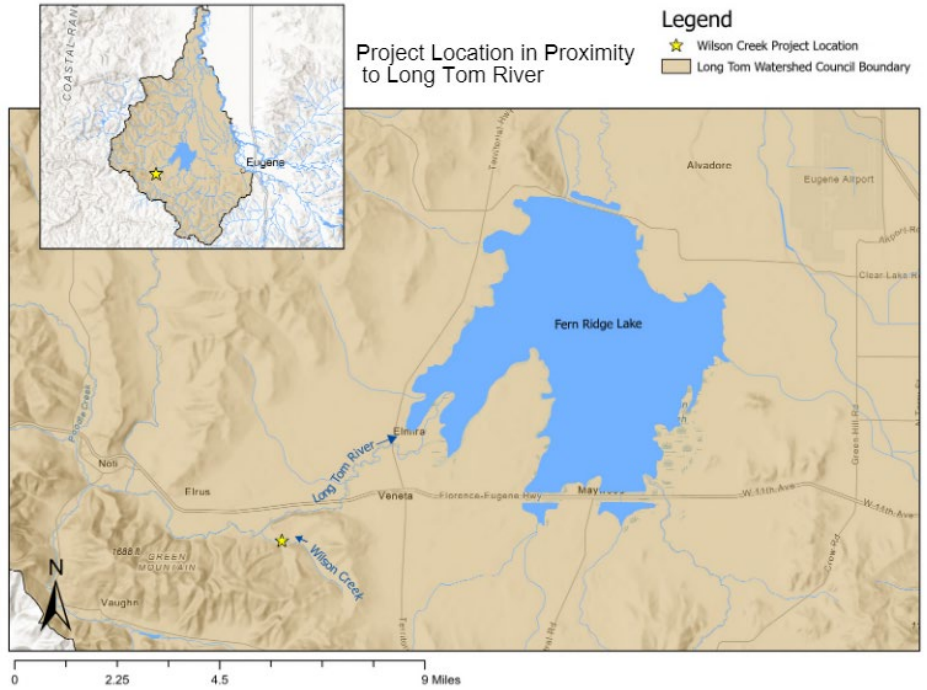
- **Applicant:** Johnson Creek Watershed Council
- **Project Type:** Implementation
- **Cost:** $125,000
- **HCP Species:** Coho, Winter Steelhead, Cutthroat trout
- **Project:**
  - Add large wood to Johnson Creek to promote stream complexity and enhance fish habitat/water quality
- **Benefits:**
  - Improve stream complexity, fish habitat, water quality in an urban stream that contains salmonid habitat but lacks large woody debris
  - Good partnerships
  - Great community outreach support and teaching
- **Concerns:**
  - Not connected to a working forest
- **Regional Priority:** **High**

Leach Area Habitat Enhancement Project



Wilson Creek Fish Passage, Floodplain, and Beaver Habitat Restoration

- **Applicant:** Long Tom Watershed Council
- **Project Type:** Implementation, Monitoring, Plant maintenance
- **Cost:** $288,264
- **HCP Species:** Cutthroat trout, coastal giant salamander, southern torrent salamander
- **Project:**
  - Replace failing culverts with bridge to improve fish passage, enhance floodplain habitat with large wood/willow plantings, BDA's, and riparian plantings
- **Benefits:**
  - Multiple species benefits, salmonids, salamanders, beavers
  - Unique floodplain habitat that has high restoration potential/benefits
  - Builds upon adjacent project on neighboring property
  - High value site for amphibians, likely other amphibians present on the property
- **Concerns:**
  - New bridge will change the hydrology in the current flood plain habitat, minor concern
- **Regional Priority:** **Medium**



Questions?

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Region 5 Presentation

Presented by:

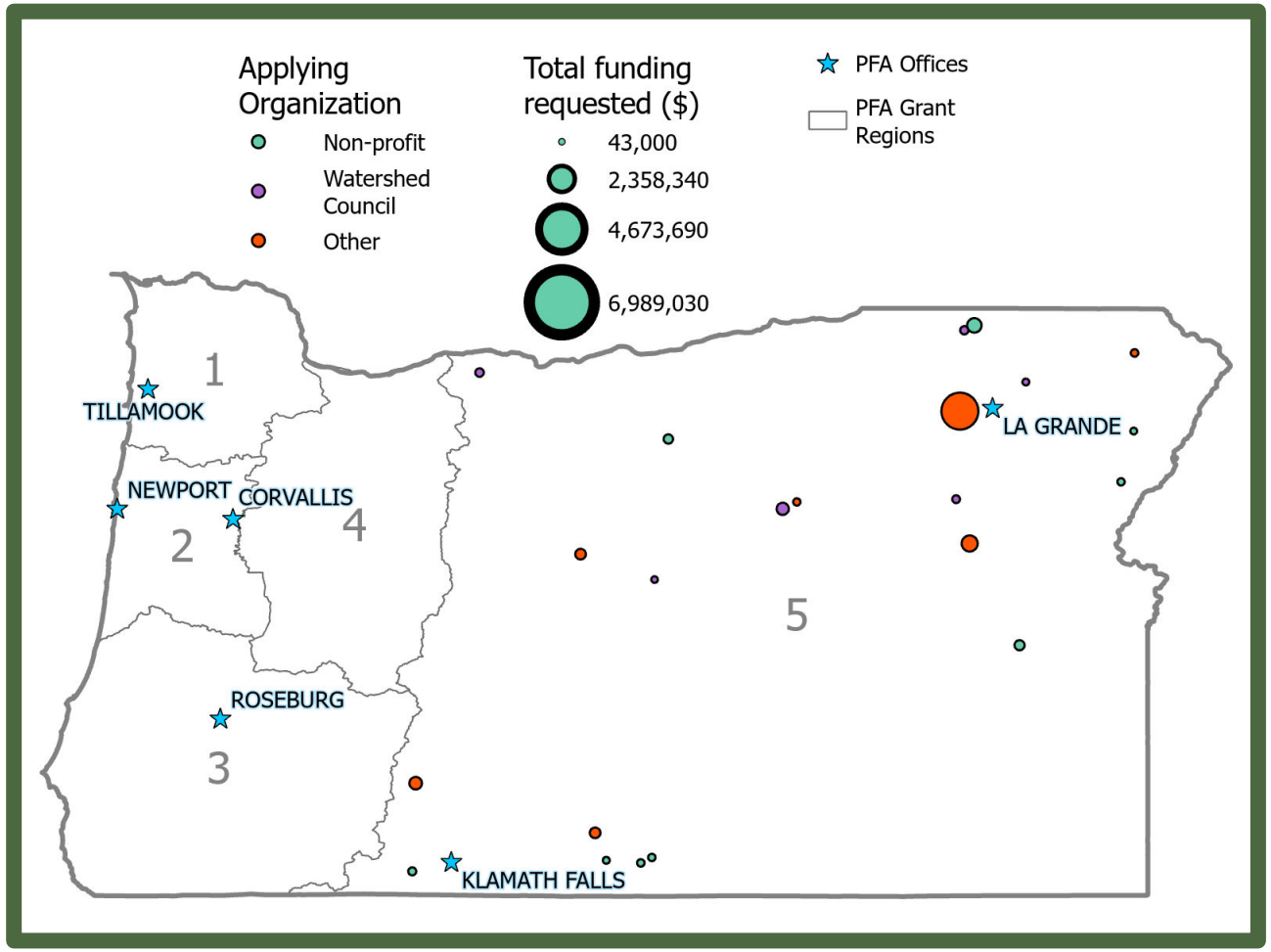
- **Kirsten Ressel**
- **Jeremy Webster**

OREGON Fish & Wildlife

Oregon Department of Fish and Wildlife

Regional Context and Background:

- $11,375,858 Requested (26%)
- 22 Proposals Submitted
  - 9 Implementation
  - 4 Planning
  - 3 Research & Monitoring
  - 6 Multiple
- Priority
  - 1 Critical
  - 11 High
  - 7 Medium
  - 3 Low
- 13/18 counties represented

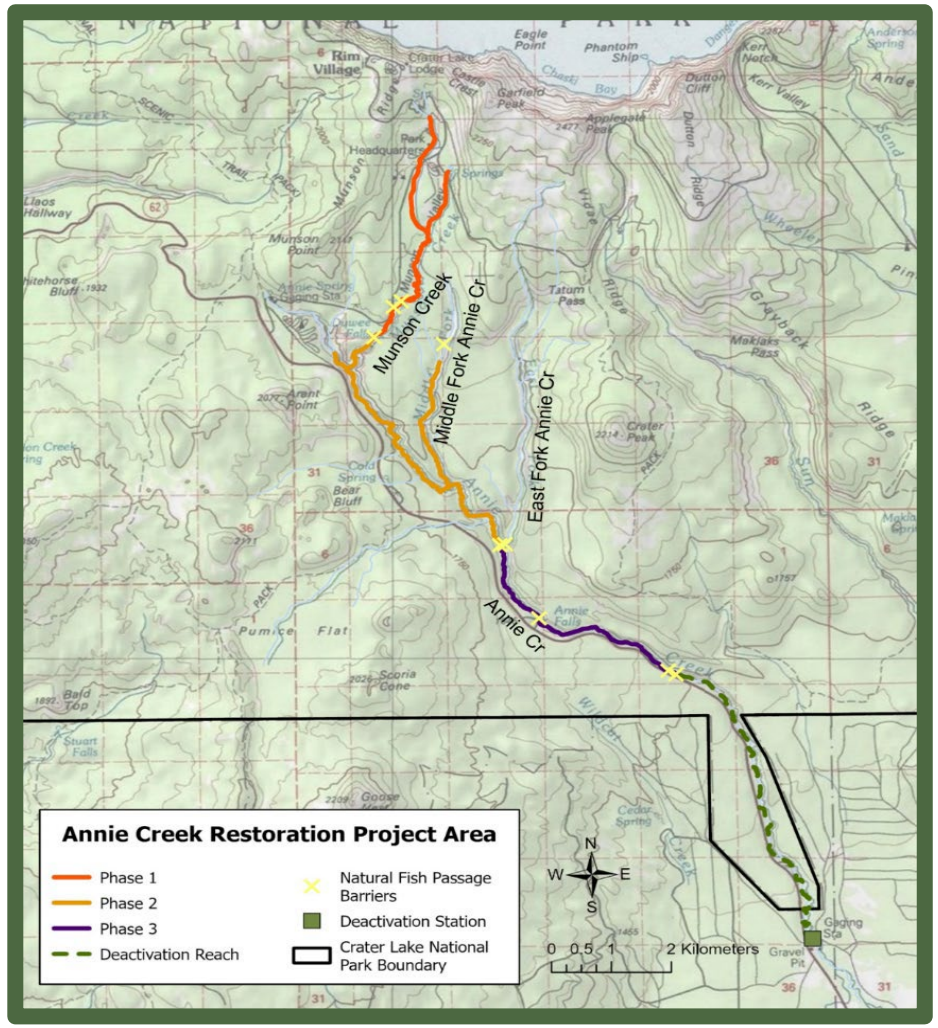


Regional Context and Background:

- HCP species in region
  - Bull Trout, Giant Salamander (Klamath R.), Mountain Whitefish, Salmonids
- Chinook streams receive priority funding
  - PFA Grant provides funding for Steelhead and other trout streams that are otherwise out-competed
- Common issues
  - Degraded habitat (e.g., due to agriculture and ranching)
  - High water temperatures
  - Juvenile salmonid summer survival
  - Dry/intermittent streams
  - Declining anadromous populations/Nonnative competition
  - Catastrophic wildfires

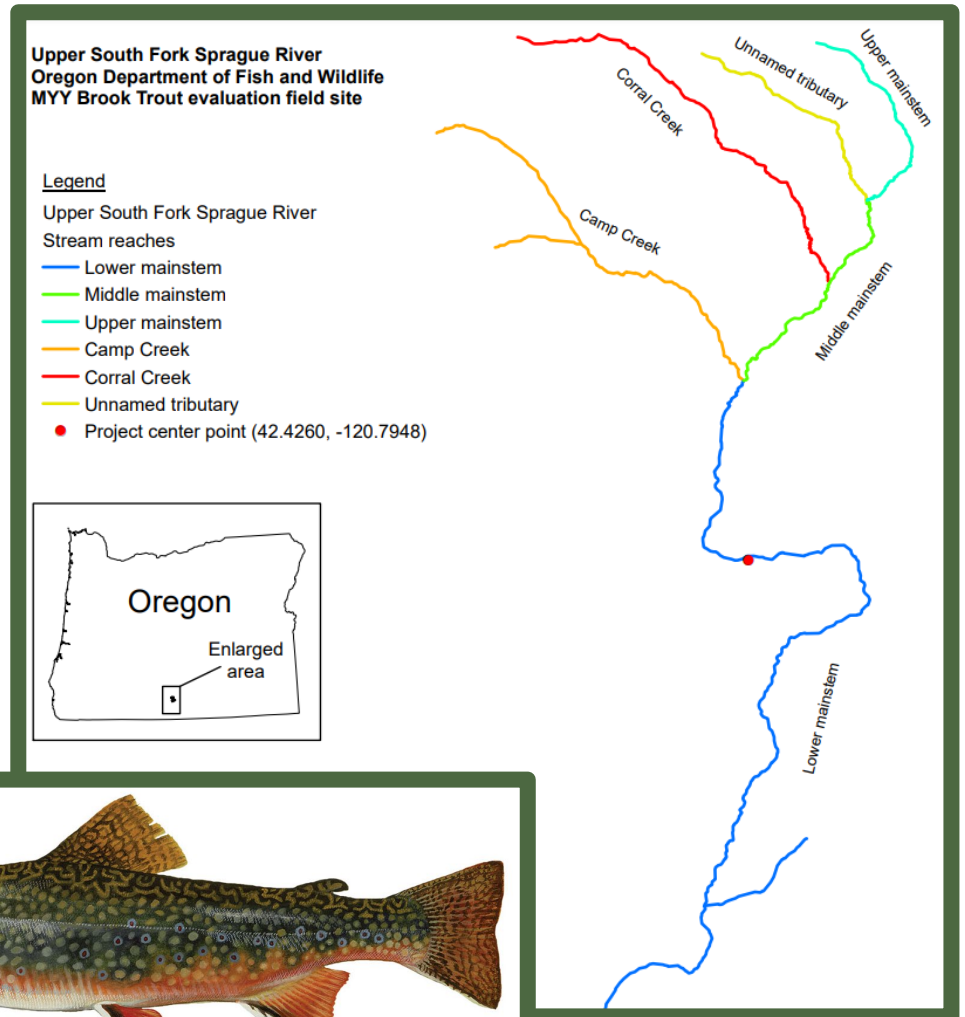
Establishment of Redundant Populations of Bull Trout in the Upper Klamath Basin

- **Applicant:** USFWS
- **Project Type:** Implementation, Planning, Research & Monitoring, Stakeholder Engagement
- **Cost:** $774,158
- **HCP Species:** Bull Trout
- **Project:**
  - Establish additional Bull Trout populations
  - Test feasibility of artificial propagation/translocation
  - Eradicate nonnative fishes (Brook Trout)
- **Benefits:**
  - Provides redundancy of Bull Trout populations in the event of catastrophic loss
  - Builds on other regional Bull Trout restoration projects
  - Engages local tribes and furthers their treaty goals
- **Concerns:**
  - Artificial propagation could weaken genetic stock through hybridization
  - Use of piscicide to eradicate Brook Trout
- **Regional Priority:** **Critical**



Assessment of MYY Brook Trout as a Technology to Manage Nonnative Brook Trout in the Upper South Fork Sprague River, Klamath River Basin – Project Years 2024–2026

- **Applicant:** ODFW
- **Project Type:** Research & Monitoring
- **Cost:** $544,071
- **HCP Species:** Bull Trout, Redband
- **Project:** Introduce MYY Brook Trout
- **Benefits:**
  - Addresses root-issue of nonnative species population
  - Brook Trout are primary limiting factor to Bull Trout recovery
  - 10-yr project (started in 2018)
- **Concerns:**
  - Methods experimental for large streams
  - Likely hurt native HCP species in short term (due to competition)
  - Results probably not seen for 10+ yrs
- **Regional Priority:** **High**



Baldwin Creek Fish Passage and Habitat Enhancement Project

- **Applicant:** Hood River County
- **Project Type:** Implementation
- **Cost:** $291,146
- **HCP Species:** Coho, Cutthroat, Rainbow/Steelhead
- **Project:**
  - Replace 2 passage barriers
  - Restore 1.25 mi instream habitat
- **Benefits:**
  - Reconnects 11 acres floodplain, and 2 mi upstream
- **Concerns:**
  - Only 30% design submitted
  - HCP benefits overstated
- **Regional Priority:** **High**

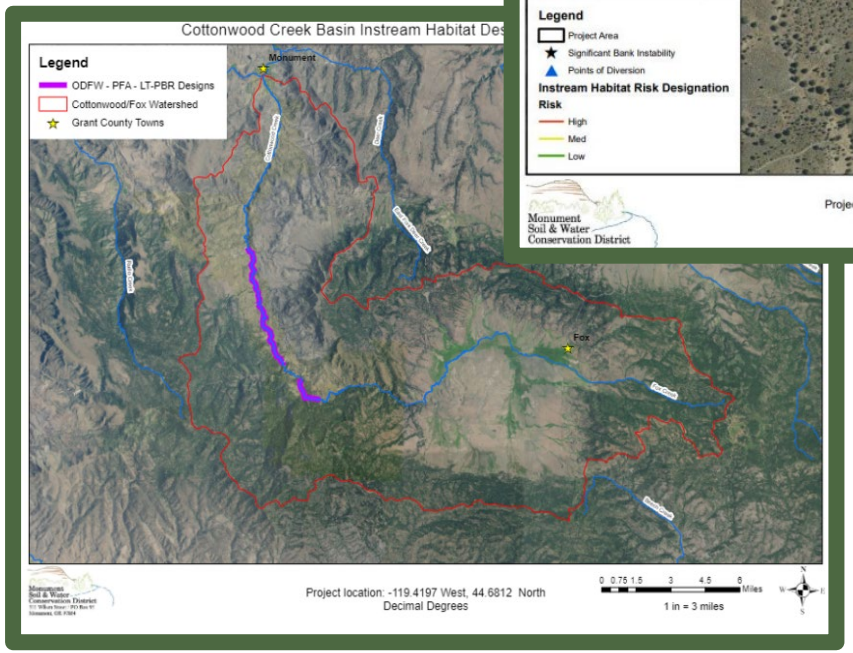
Two of the failing diversion structures that will be replaced with the constructed riffle.

Cool Springs and Dawson Restoration Design

- **Applicant:** Nez Perce Tribe
- **Project Type:** Planning
- **Cost:** $178,146
- **HCP Species:** Rainbow/Redband, Steelhead
- **Project:** Develop plan to improve 4 mi of Chesnimnus Ck.
- **Benefits:**
  - Project is part of multi-agency restoration effort on 14 mi of Chesnimnus Ck.
  - Restoration would benefit unique, wild steelhead
- **Concerns:**
  - Possibility of private land sold after/during completion of project
- **Regional Priority:** **High**

Cottonwood Creek Basin Instream Habitat Design

- **Applicant:** Monument Soil and Water Conservation District
- **Project Type:** Planning
- **Cost:** $145,679
- **HCP Species:** Redband, Steelhead
- **Project:** Design 8.2 mi LTPBR
- **Benefits:**
  - Important steelhead stream/basin (spawning/rearing)
  - Watershed-scale approach to restoration
  - Within ODFW BEA
  - BDAs may help limit smallmouth bass movement
- **Concerns:**
  - BDAs may create smallmouth bass hotspots (i.e., pools)
  - Beaver surveys not well aligned with PFA priorities
- **Regional Priority:** High

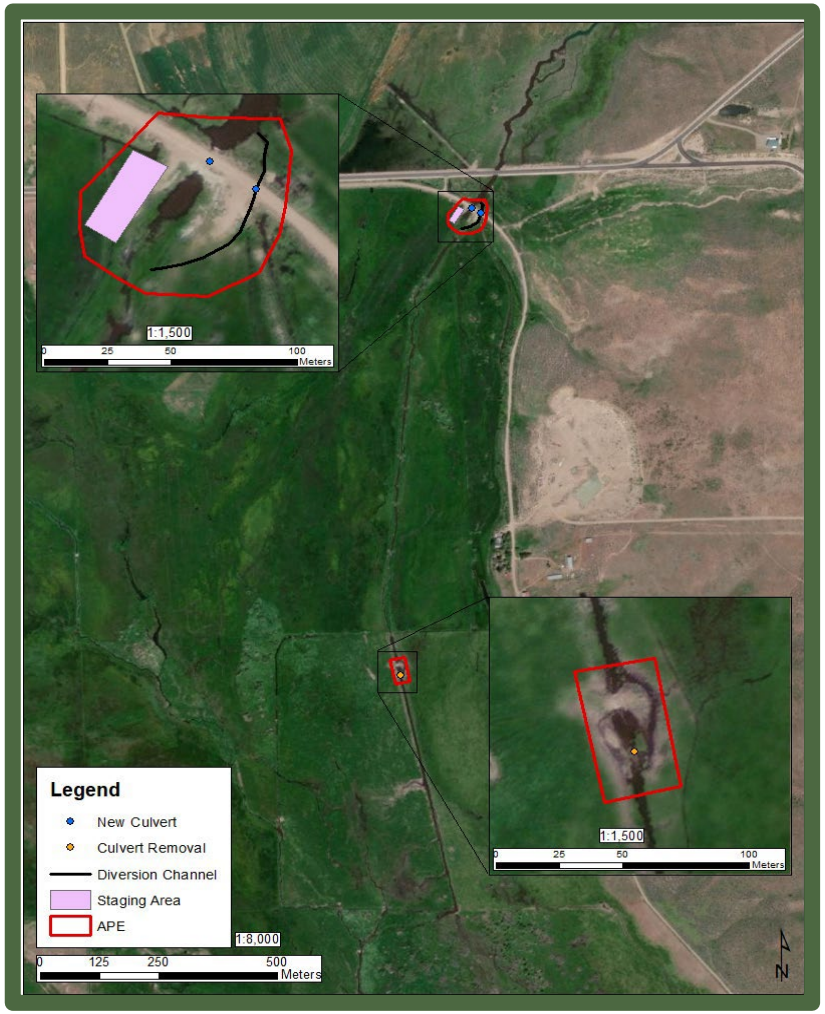


Cottonwood Creek Fish Habitat Restoration

- **Applicant:** Lake County Umbrella Watershed Council
- **Project Type:** Implementation
- **Cost:** $163,200
- **HCP Species:** Redband
- **Project:** Restore 1.5 mi of denuded channel
- **Benefits:**
  - Replaces low-water crossing to improve fish passage
  - Realign channel to reactivate meanders
  - Convert surface water irrigation to ground water irrigation
- **Concerns:**
  - Little community uplift/engagement
- **Regional Priority:** **High**

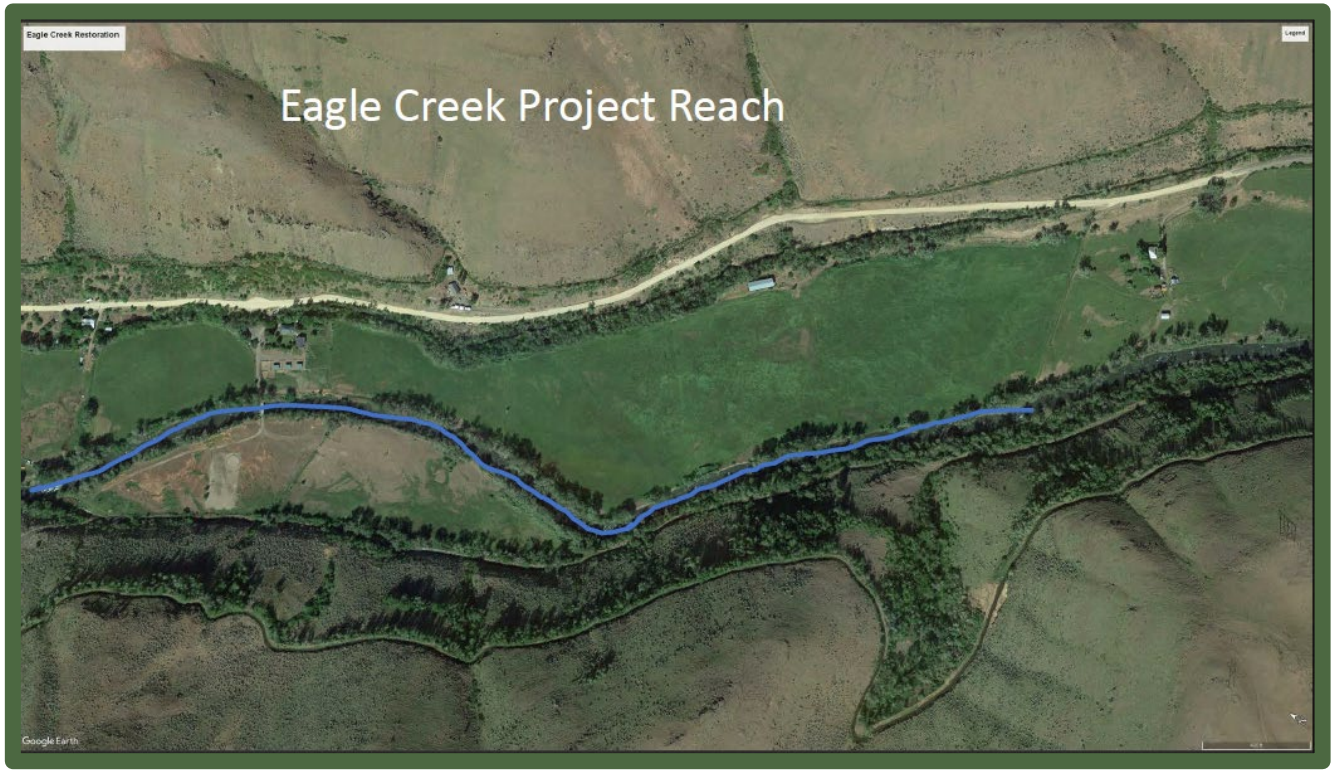
Cox Creek Fish Passage and Screening

- **Applicant:** Lake County Umbrella Watershed Council
- **Project Type:** Implementation
- **Cost:** $150,000
- **HCP Species:** Redband
- **Project:** Install fish screen, passage at diversion, and low-water crossing
- **Benefits:**
  - Re-establishes connection to 14 mi of creek upstream
  - Fish screen will prevent entrainment during irrigation
- **Concerns:**
  - Little community uplift/engagement
- **Regional Priority:** **High**



Eagle Creek Floodplain Restoration Design Project

- **Applicant:** Trout Unlimited
- **Project Type:** Planning
- **Cost:** $148,781
- **HCP Species:** Bull Trout, Mountain Whitefish, Redband, Steelhead
- **Project:** Design 0.8 mi & 24 acres floodplain
- **Benefits:**
  - Located at mouth of clean, cold-water watershed
  - Transition zone = diversity hot spot
- **Concerns:**
  - Bull Trout and Steelhead are functional extirpated
- **Regional Priority:** **High**



North Fork Walla Walla River RM 4.3-6.3 Floodplain Restoration

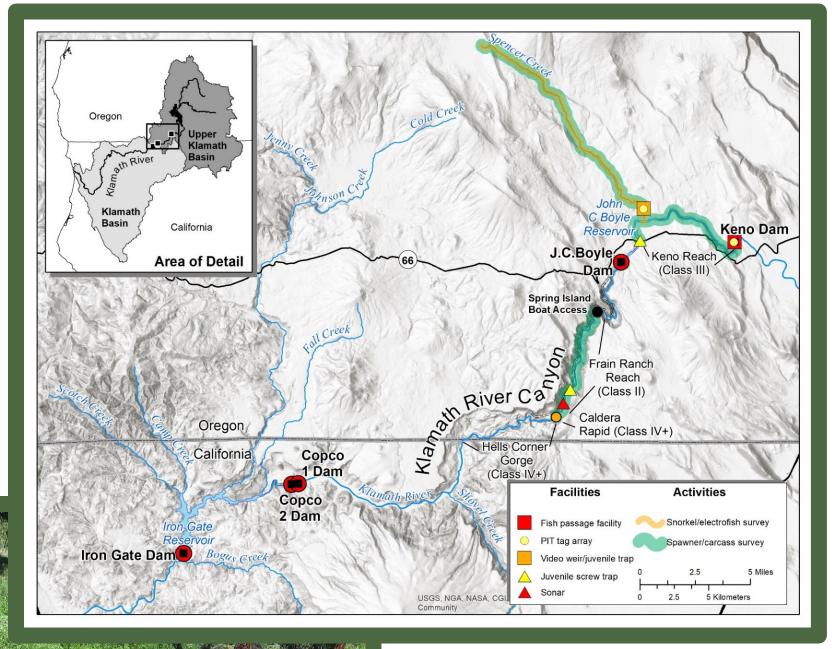
- **Applicant:** Walla Walla Basin Watershed Council
- **Project Type:** Implementation, Planning
- **Cost:** $989,209
- **HCP Species:** Bull Trout, Chinook, Mountain Whitefish, Rainbow/Redband, Steelhead
- **Project:** 1 mi design and 1 mi floodplain restoration
- **Benefits:**
  - Part of a 5.2 mi continuous reach
  - Restores habitat to salmonids trending towards high risk of extinction
  - Uses holistic restoration to address functional problems
  - 17 mi quality habitat upstream
  - NF in most need of restoration in basin
- **Concerns:**
  - Only 30% design was submitted for implementation ask
- **Regional Priority:** High

Ochoco Preserve Project

- **Applicant:** Deschutes Land Trust
- **Project Type:** Implementation
- **Cost:** $544,055
- **HCP Species:** Bull Trout, Chinook, Redband, Steelhead
- **Project:** Restore ecological functionality on land along Crooked R.
- **Benefits:**
  - Establishes wetland/upland connectivity with Crooked R.
  - Restores oxbows/off channel fish rearing habitat
  - Project match = 4x project budget
- **Concerns:**
  - Relatively small footprint along Crooked R.
  - Issues upstream and downstream may limit project success
- **Regional Priority:** **High**

Spencer Creek Diversion Restoration and Monitoring

- **Applicant:** Trout Unlimited
- **Project Type:** Implementation, Planning, Research & Monitoring
- **Cost:** $228,582
- **HCP Species:** Chinook, Coastal Giant Salamander, Coho, Redband, Steelhead
- **Project:**
  - Improve fish passage
  - Screen irrigation diversion
  - Monitor HCP populations post-dam removal
- **Benefits:**
  - Only project to capitalize on largest dam removal in U.S. history (Klamath R.)
  - Identifies Spencer Ck. as best place above dams to produce Coho
  - Opens 15 mi of potential spawning habitat
- **Concerns:**
  - No plans to study salamander populations
- **Regional Priority:** **High**



Upper Drews Creek Fish Passage

- **Applicant:** Lake County Umbrella Watershed Council
- **Project Type:** Implementation
- **Cost:** $92,100
- **HCP Species:** Redband
- **Project:** Establish fish passage at diversion barrier
- **Benefits:**
  - Provides fish passage during critical upstream spawning migration
  - Builds on previous work with private landowner
- **Concerns:**
  - Little community uplift/engagement
  - No plans to address lack of riparian vegetation
- **Regional Priority:** **High**