



Flow Restoration - A Brainstorming Session with ODFW and OWEB

Hood River, OR
Oct. 16th, 2024

Spencer Sawaske, Deputy Habitat Division Administrator - ODFW

Brian Wolcott, Water Acquisitions & Capacity Coordinator - OWEB

Andy Spyrka, Private Forest Accord Grant Program Coordinator - ODFW



**Oregon Department
of Fish and Wildlife**



OREGON
WATERSHED
ENHANCEMENT BOARD

Outline

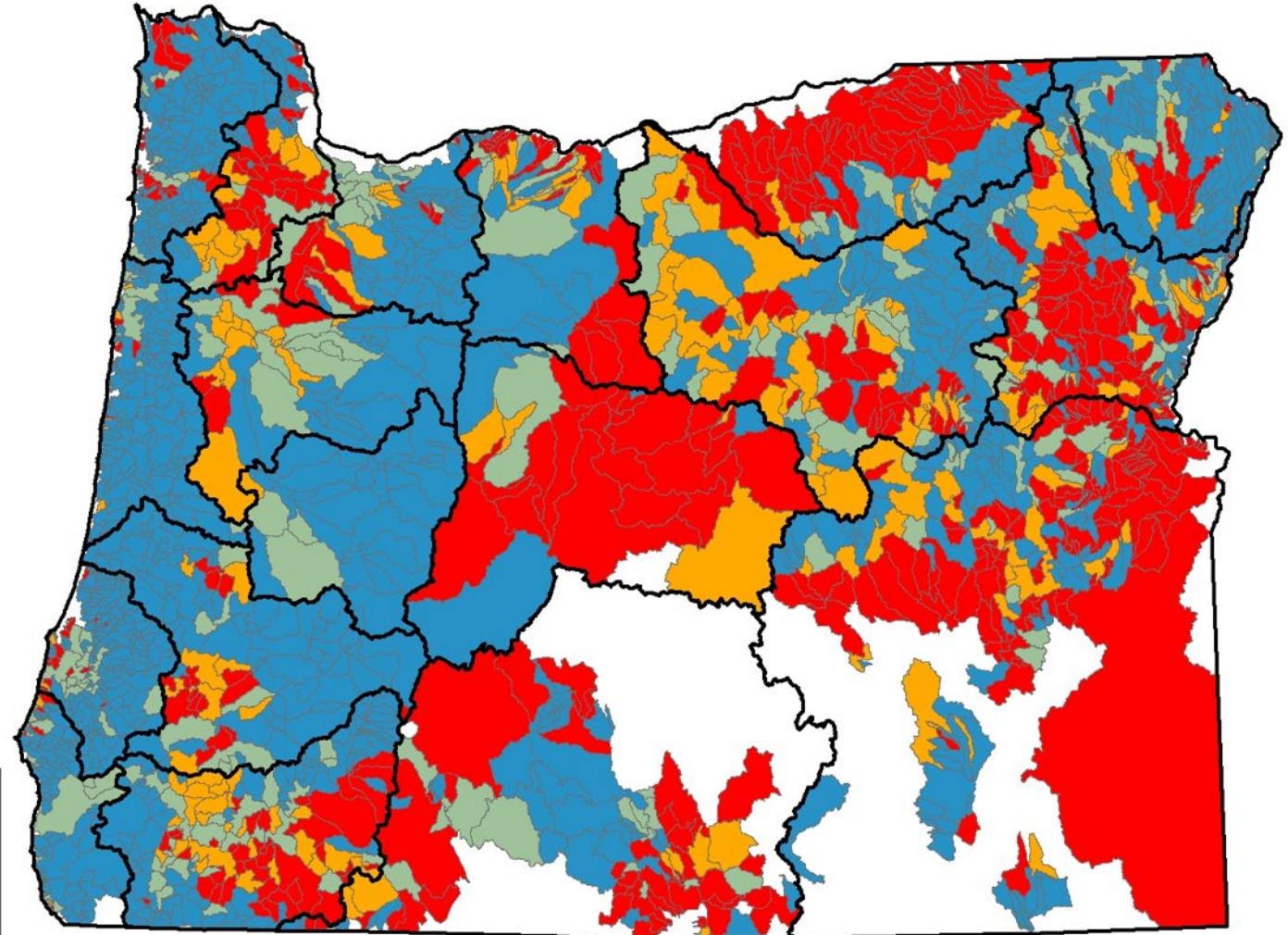
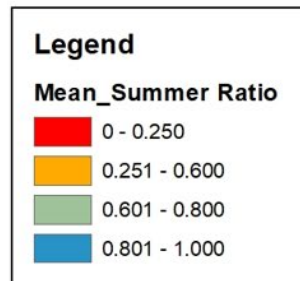
- Why (Spencer)
- Where (Spencer)
- How (Brian)
- Funding (Brian & Andy)
- Discussion



WHY

Expected to Natural Summer (July-Sept.) Flow Ratio

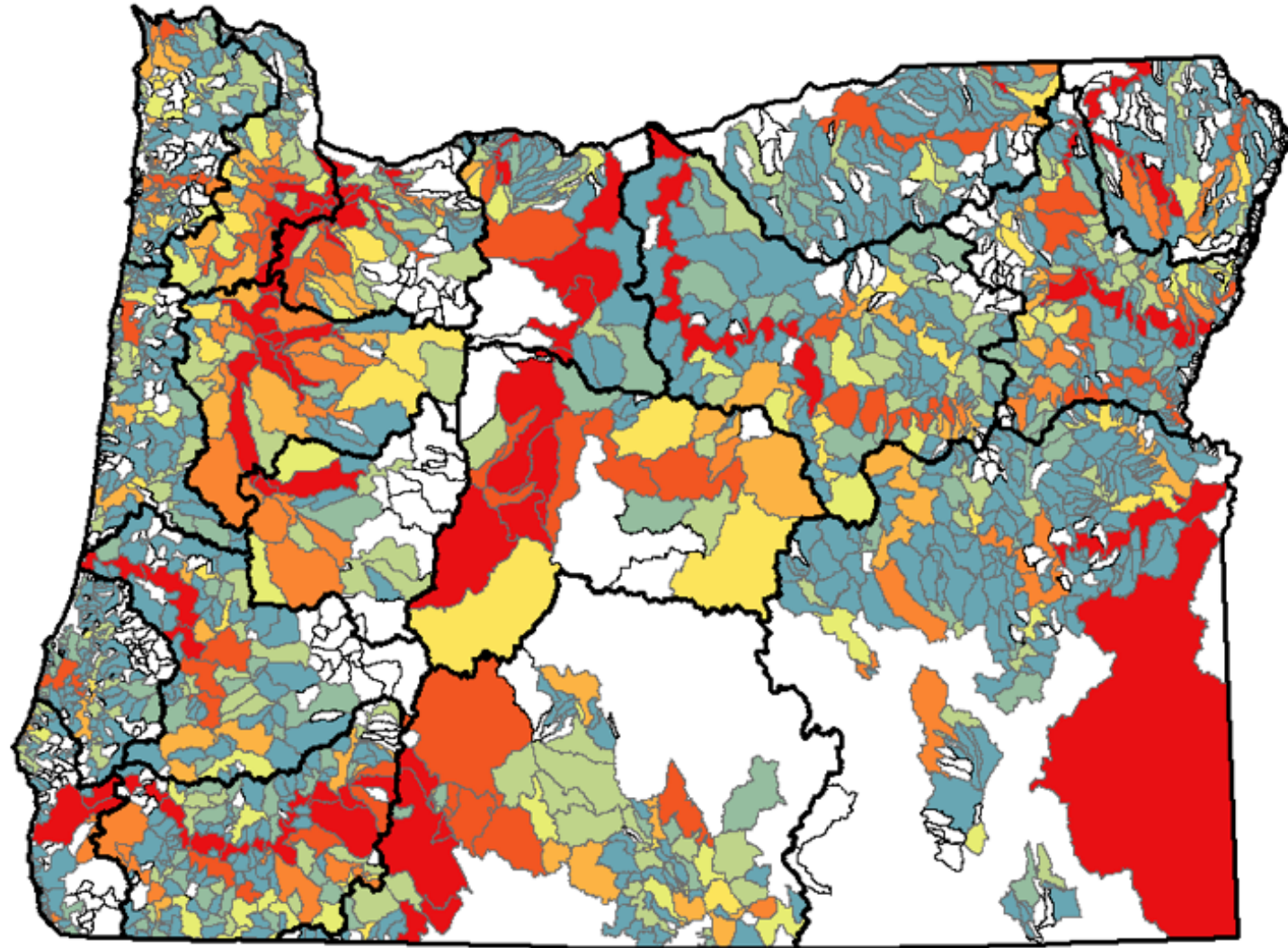
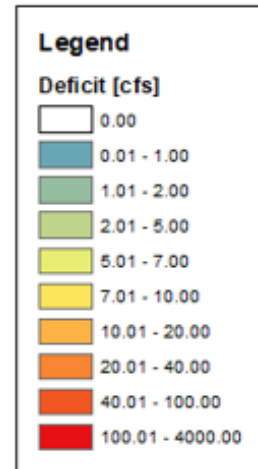
$$\frac{\text{Natural} - \text{Diversions}}{\text{Natural}}$$



WHY

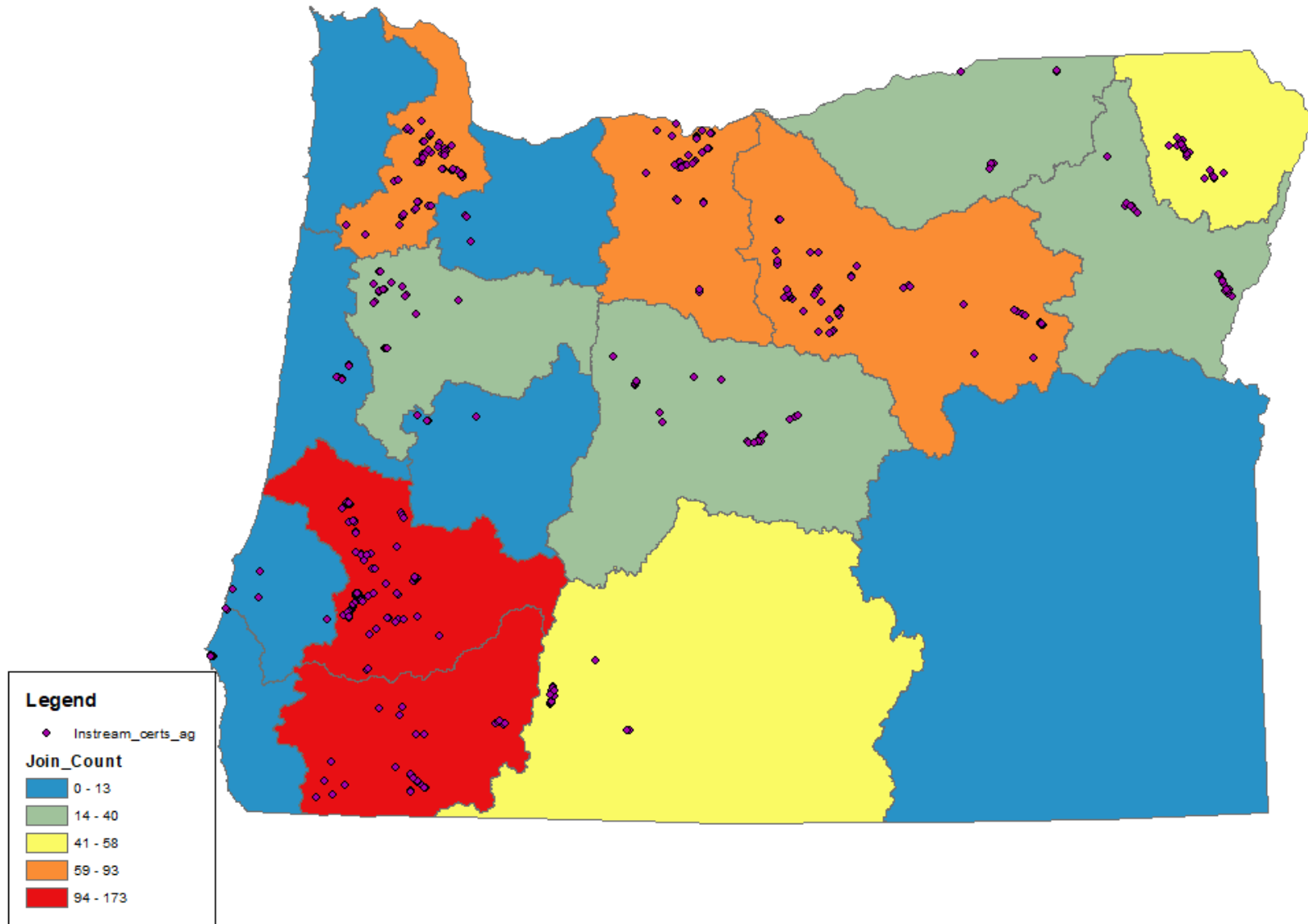
Summer (July-Sept.) Flow Deficits

Instream Target – Expected



WHY

Instream Tranfers (Ag-Focused) by District



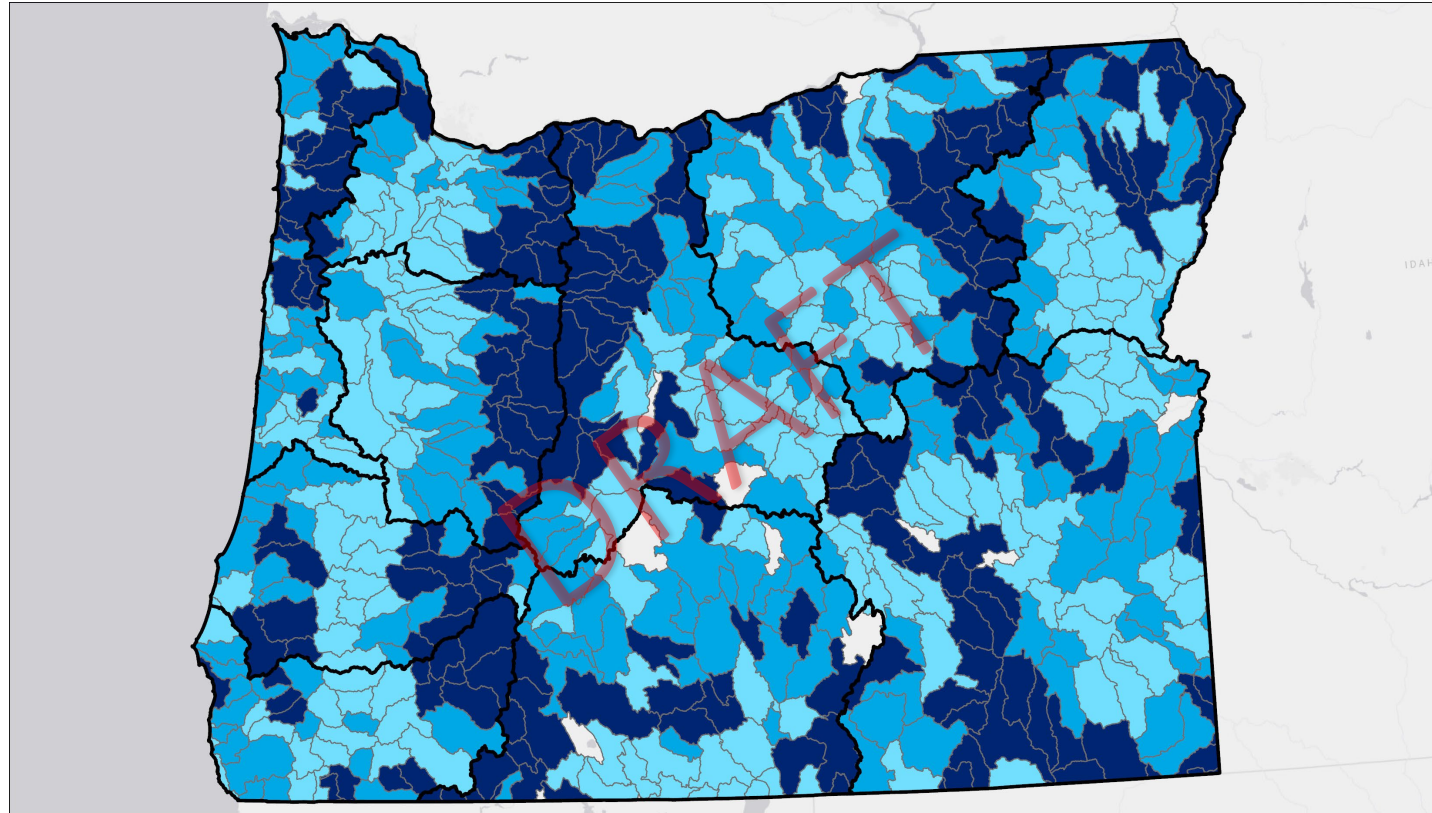
WHY Flow Restoration

District	Sum of Deficit [cfs]	Ag Full Cert Instream [cfs]	Instream/Deficit %
Coos-Coquille District	69	3	4.6%
Deschutes District	888	10	1.1%
John Day District	214	35	16.5%
Klamath District	1297	73	5.7%
La Grande District	622	44	7.1%
Mid Willamette District	1050	8	0.7%
Mid-Coast District	118	2	1.7%
Mid-Columbia District	319	9	2.8%
North Coast District	233	0	0.0%
NWWD-Cascade Unit	870	4	0.5%
NWWD-Coast Range Unit	338	34	10.2%
South Coast District	62	3	5.6%
Southeast District	441	0	0.0%
Umatilla District	215	13	6.2%
Umpqua District	206	17	8.4%
Upper Rogue District	522	28	5.3%
Upper Willamette District	658	2	0.3%
Wallowa District	326	46	14.1%
Sum	8448	333	3.9%



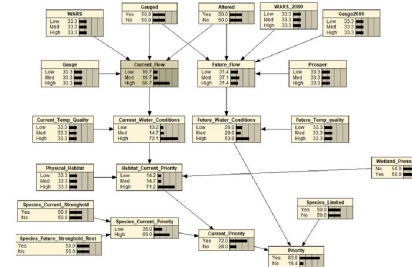
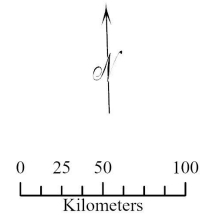
WHERE

Aquatic Habitat Prioritization



BBN Output

- Low Priority
- Medium Priority
- High Priority



Instream Flow Prioritization Datasets



Oregon Water Resources Department
Water Availability Analysis

Water Availability Analysis

S UMPQUA R > UMPQUA R - AT MOUTH
UMPQUA BASIN

Water Availability as of 10/16/2023

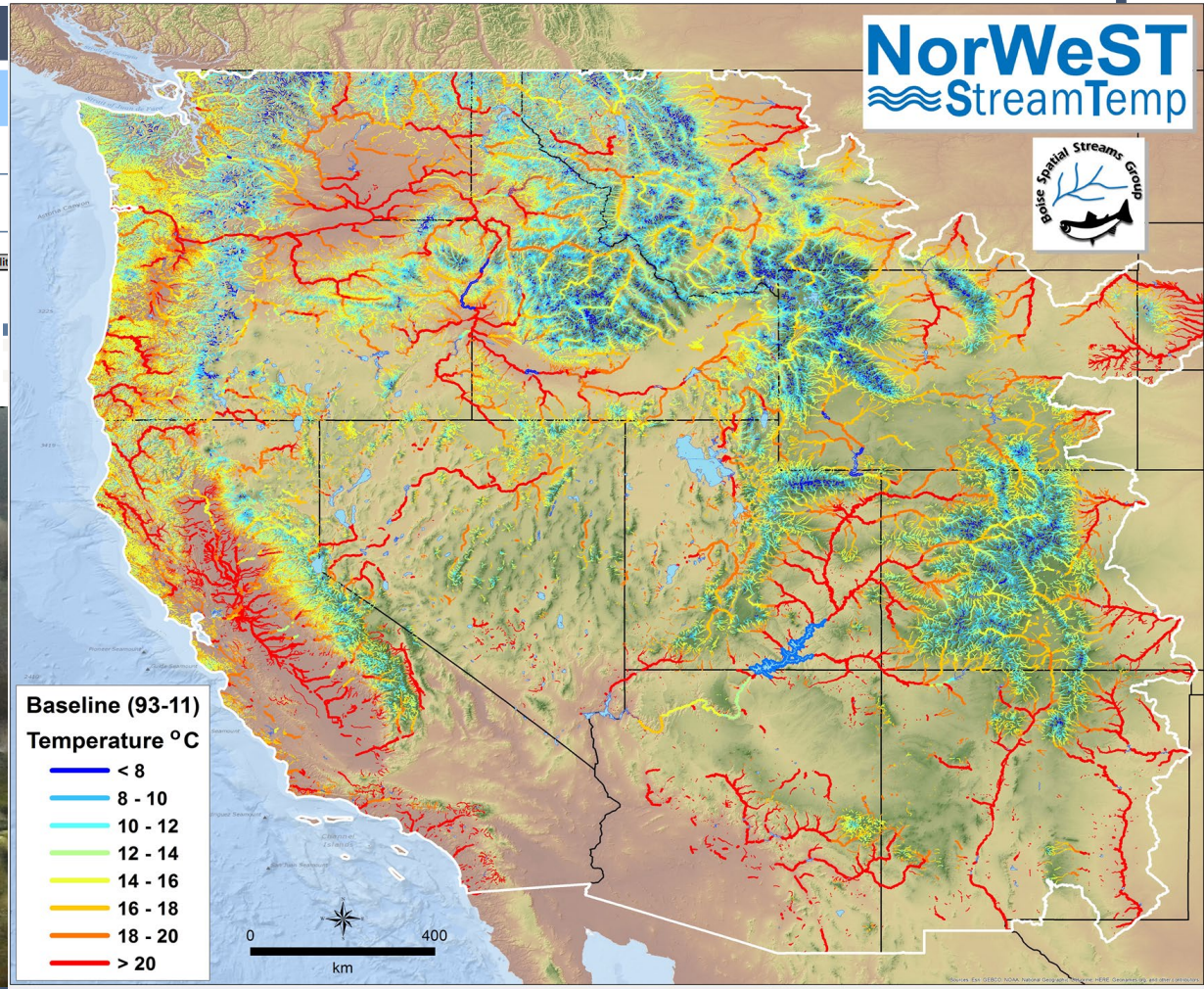
Watershed ID #: 351 ([Map](#))
Date: 10/16/2023

Water Availability
Limiting Watersheds
Complete Water Availability

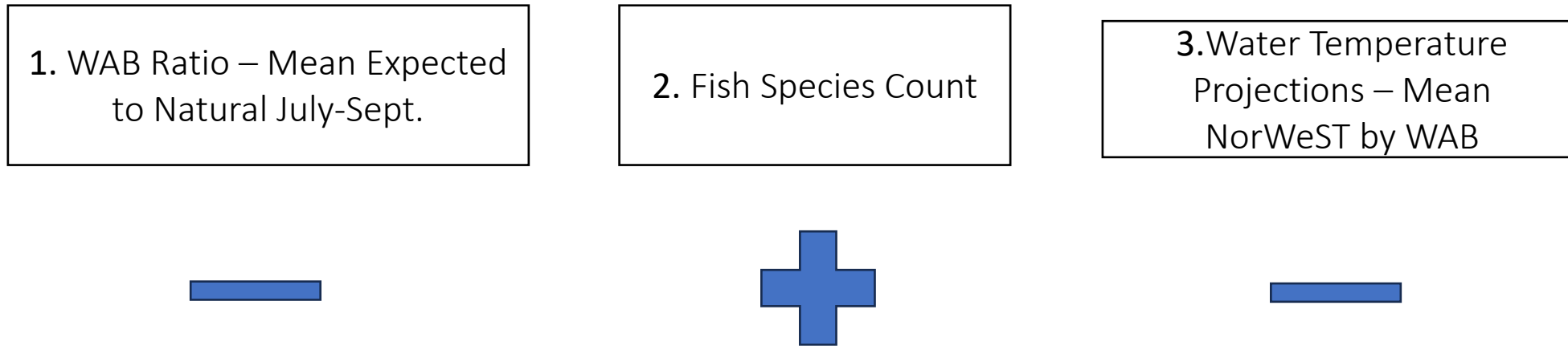
Water Availability

Select any Watershed for Details

	Nesting Order	Watershed ID #	Stream Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Select	1	368	UMPQUA R> PACIFIC OCEAN- AT MOUTH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Select	2	73350	UMPQUA R> PACIFIC OCEAN- AB LITTLE MILL CR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Select	3	31630301	UMPQUA R> PACIFIC OCEAN- AB WOLF CR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Select	4	351	S UMPQUA R> UMPQUA R- AT MOUTH	Yes	Yes	Yes	Yes	Yes	Yes	No	No



Framework Overview

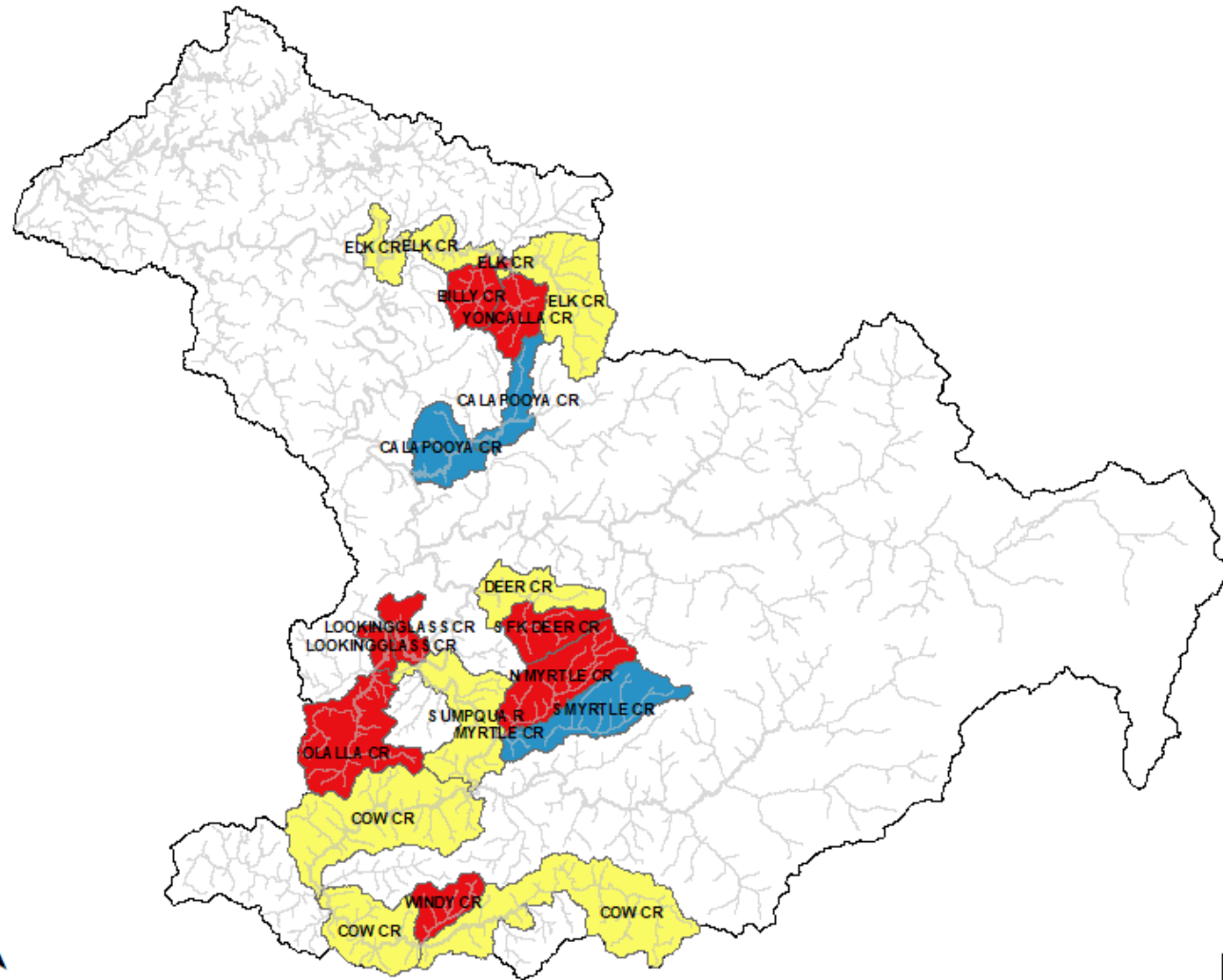


- Prioritize WABs with low expected/natural ratio; high species count; low projected water temps

Calculations

Score = $2 \times \text{expected/natural} - \text{species count}/\text{max species count} + \text{temp}/\text{max temp}$

Draft ODFW Streamflow Restoration Prioritization



Legend
Rank

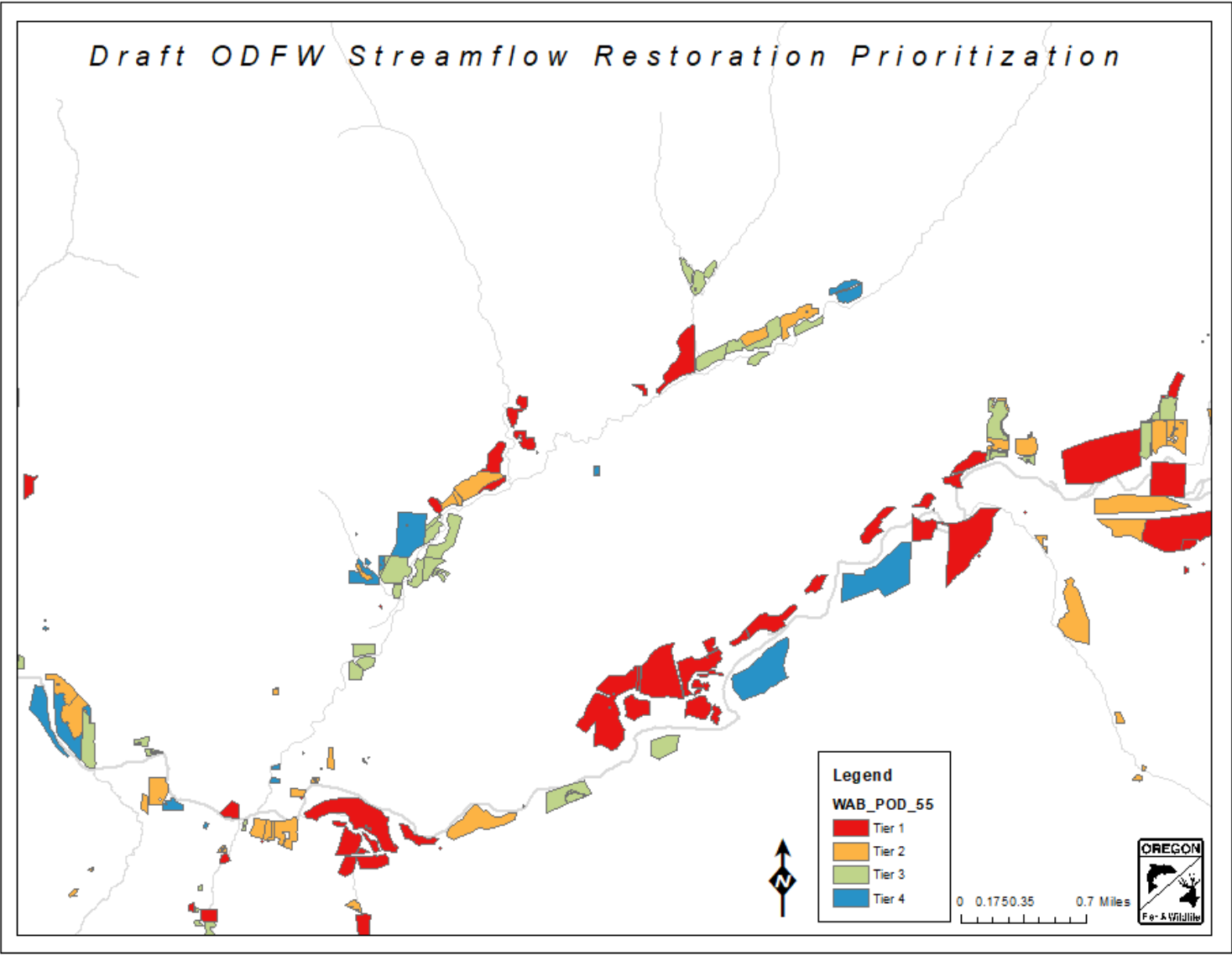
- 1
- 2
- 3



0 3.5 7 14 Miles



Water Rights



A close-up photograph of a fish's body, focusing on the scales and fins. The scales are a mix of light blue and white, with a prominent vertical line running down the center. The fins are a darker blue. The background is dark and blurry, suggesting an underwater environment. The text "Questions?" is overlaid in the center of the image.

Questions?



Water Acquisition Grant Program

funding voluntary instream water transactions



October 2024
OACD Conference, Hood River



Fifteenmile Creek by Zachary Collier



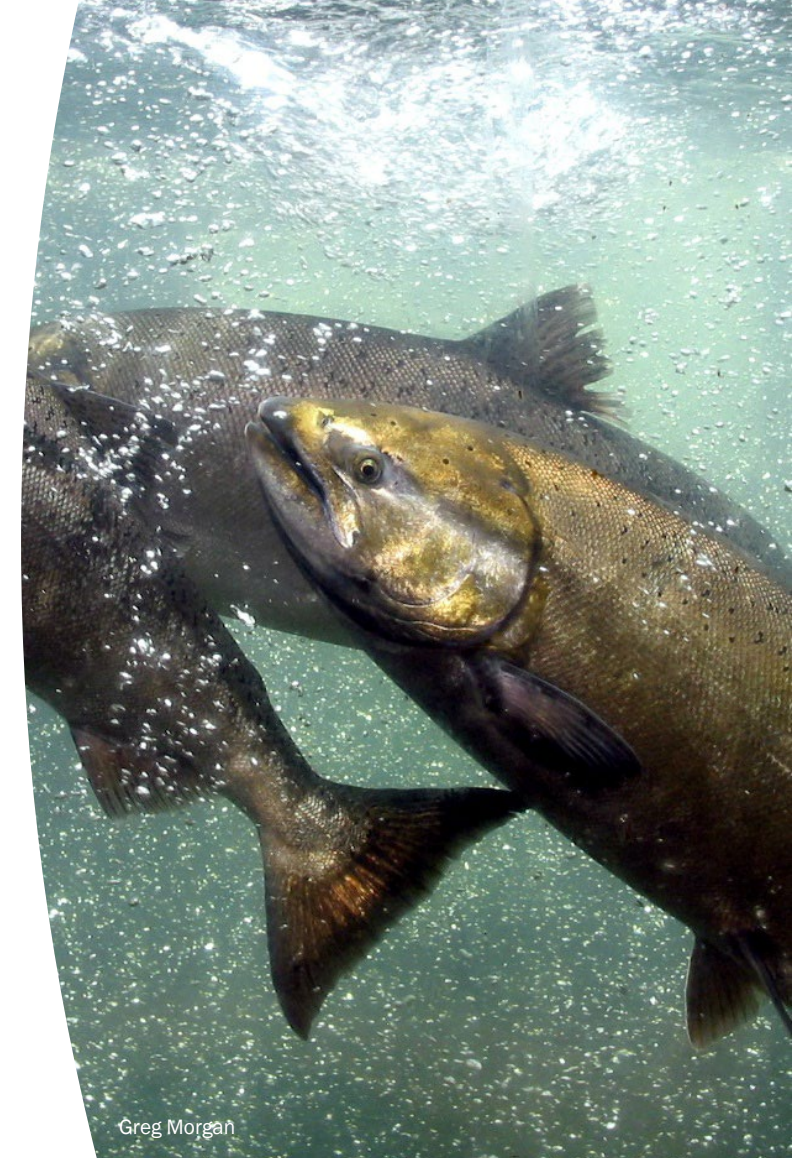
Eligible Projects



Voluntary water projects that protect instream flows in rivers and creeks for native fish and wildlife.

Projects must protect instream flows to address:

- Fish and wildlife habitat
- Water quality in areas with water quality concerns



Greg Morgan

Water Acquisition Grants



Purpose: To increase instream flow for habitat, species, and water quality benefits through the transfer of water rights to instream uses.




Peter Kauss, BLM

Transaction mechanisms:

- Instream Leases
- Instream transfers
- Other Water Use Agreements (e.g., minimum flow agreements, forbearance agreements)
- Allocation of Conserved Water

Allocation of Conserved Water



- 
- A photograph of a center pivot irrigation system in a field. The metal structure of the system is visible, supported by a large black tire in the foreground. The background shows a green field under a clear sky.
- Irrigation efficiency, water conveyance improvements / modernization (e.g., piping).
 - Helps remove disincentive to conserve water (use it or lose it).

Outcome

- The state and the conserved water applicant split the water savings.
- New instream water right is protectable by WRD ($\geq 25\%$ saved water).
- More goes instream depending on the public funding.
- Out of stream water right is reduced.
- Can maintain priority of instream water or make it one minute junior.

FUNDING/ OUTCOMES

- \$5 million awarded since 2001
- 33.5 cfs permanently protected
- 103 cfs in short-term transfers



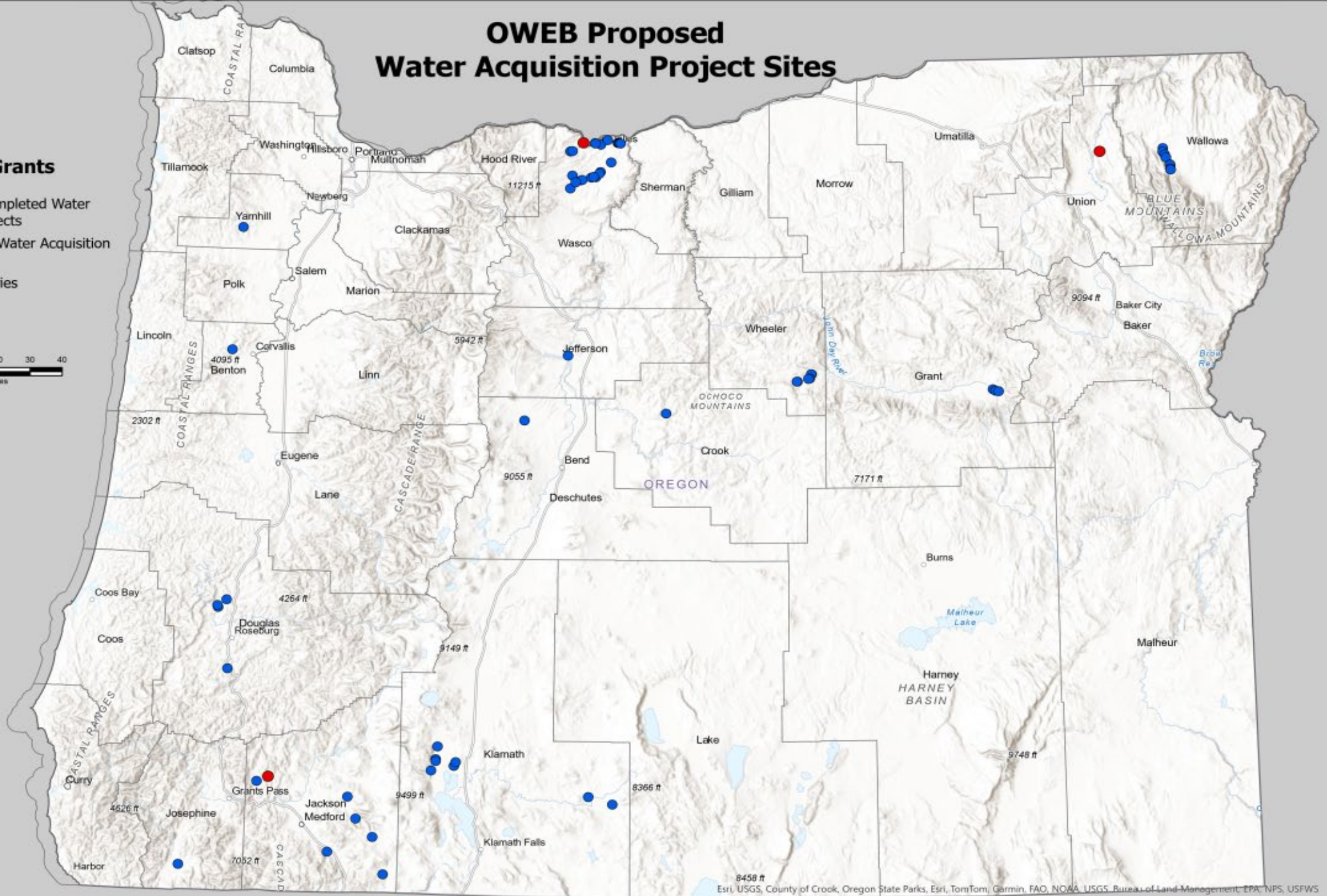
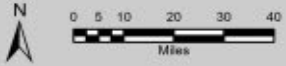
OREGON
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ENHANCEMENT BOARD



OWEB Proposed Water Acquisition Project Sites

OWEB Grants

- Current and Completed Water Acquisition Projects
- 2024 Proposed Water Acquisition Project Sites
- County Boundaries



Other Water Acquisition Funding

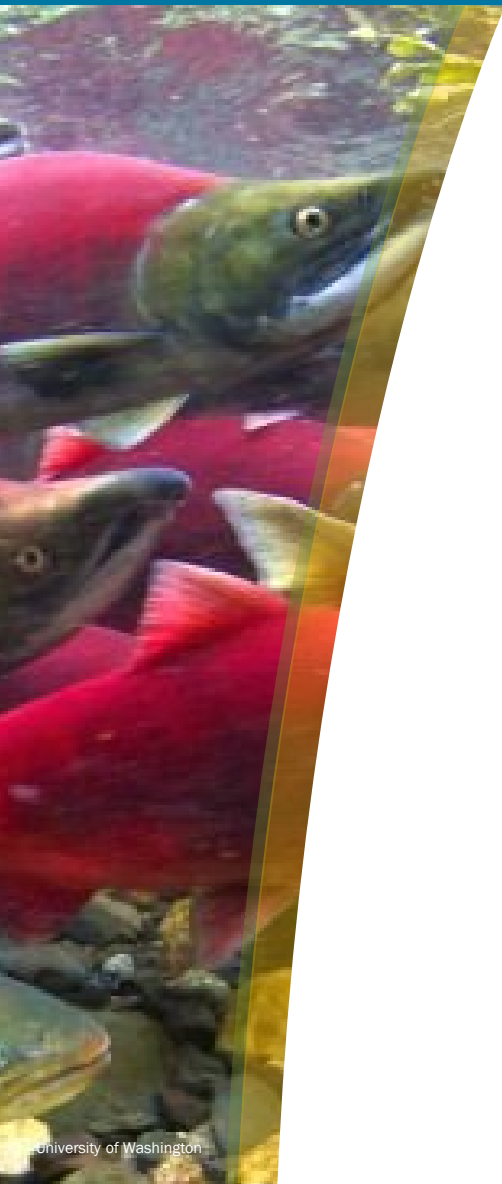


State

- 💧 OWEB Restoration grants, Technical Assistance for design
- 💧 ODFW Private Forest Accord grants
- 💧 OWRD Water Projects Grants and Loans
- 💧 ODEQ Clean Water State Revolving Funds, 319 funds

Federal

- 💧 Columbia Basin Water Transaction Program, BPA/NFWF
- 💧 USFS
- 💧 BOR WaterSMART grants
- 💧 NRCS



Brian Wolcott

OWEB Water Acquisition and Capacity Grant Program Coordinator

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Brian.r.wolcott@oweb.oregon.gov





PRIVATE FOREST ACCORD

GRANT PROGRAM





PRIVATE FOREST ACCORD

GRANT PROGRAM

PRIVATE FOREST ACCORD

- Historic 2021 compromise
- Protect aquatic resources + long-term regulatory certainty for permitted practices under an ITP
- HCP → PFA Grant Program
- Mitigate unavoidable impacts on covered species
- Senate Bills 1501, 1502 and House Bill 4055 in 2022 & OARs 635-97-0000 through -0110

HCP Eligible Species

PRIVATE FOREST ACCORD

GRANT  PROGRAM

✓ HCP Covered Species

- Native salmon and trout (Oncorhynchus spp.)
- Bull trout
- Mountain whitefish
- Pacific eulachon/smelt
- Green sturgeon
- Columbia torrent salamander
- Southern torrent salamander
- Coastal giant salamander
- Cope's giant salamander
- Coastal tailed frog

✓ Prioritize Recovery Needs

- Recovery Plans
- Limiting Factors



PFA MITIGATION ADVISORY COMMITTEE

- ✓ Help stand-up the program
- ✓ Advice the Department & Commission
- ✓ Proposal Evaluation
- ✓ Diverse perspectives
- ✓ Monthly Meetings

Voting	4 years	Chad Washington*	Nuveen Natural Capital
Voting	4 years	Scott Lightcap	No affiliation
Voting	4 years	Bob Sallinger	Willamette Riverkeeper
Voting	4 years	Courtney Griesel	Sierra Pacific Industries
Voting	3 years	Fran Cafferata	Oregon Small Woodland Association
Voting	3 years	Andrew Purkey	NorthWest Guides & Anglers
Voting	4 years	Mark Stern	Oregon Conservation & Recreation Fund Member
Non-Voting	Indefinite	Mark Grenbemer	Oregon Watershed Enhancement Board
Non-Voting	Indefinite	Jennifer Weikel	Oregon Department of Forestry
Non-Voting	Indefinite	Kate Wells	National Marine Fisheries Service (NOAA)
Non-Voting	Indefinite	Chris Allen	United States Fish & Wildlife Service
Non-Voting	Indefinite	Sara Gregory	Oregon Department of Fish and Wildlife

* = Chair ** = Vice Chair



PFA GRANT PROGRAM PRIORITIES

1. Restoration of degraded habitat to natural condition/function or to a condition likely to be resilient
2. Land, Water, & Habitat Preservation
3. Enhancement of Habitat
4. Threat Reduction or Elimination
5. Creation of new habitats
6. Translocation to enhanced or formerly occupied and still suitable habitat



ELIGIBILITY

FOCUS:

Implementation, planning, monitoring/research & stakeholder engagement projects.

FLEXIBILITY:

Broad eligibility/indirect, no budget or term limits, & no match.

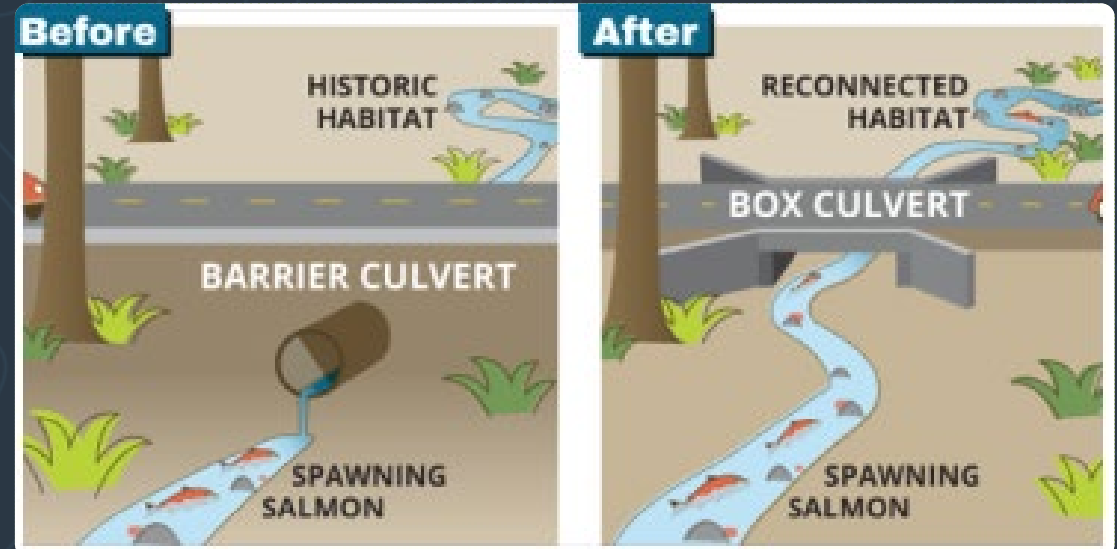
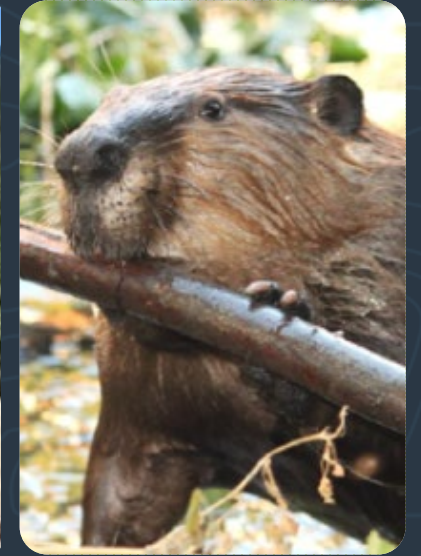
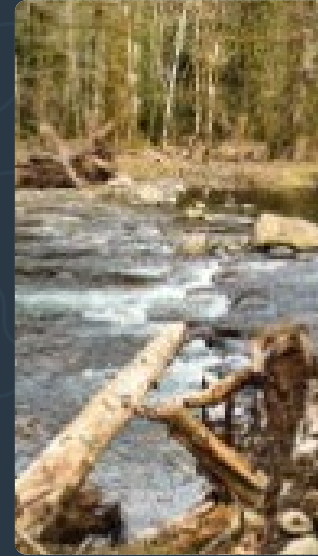
OPENNESS:

Any land ownership or habitat type benefiting HCP-covered species.

Think outside the box! Move the needle!

PRIVATE FOREST ACCORD

GRANT  PROGRAM

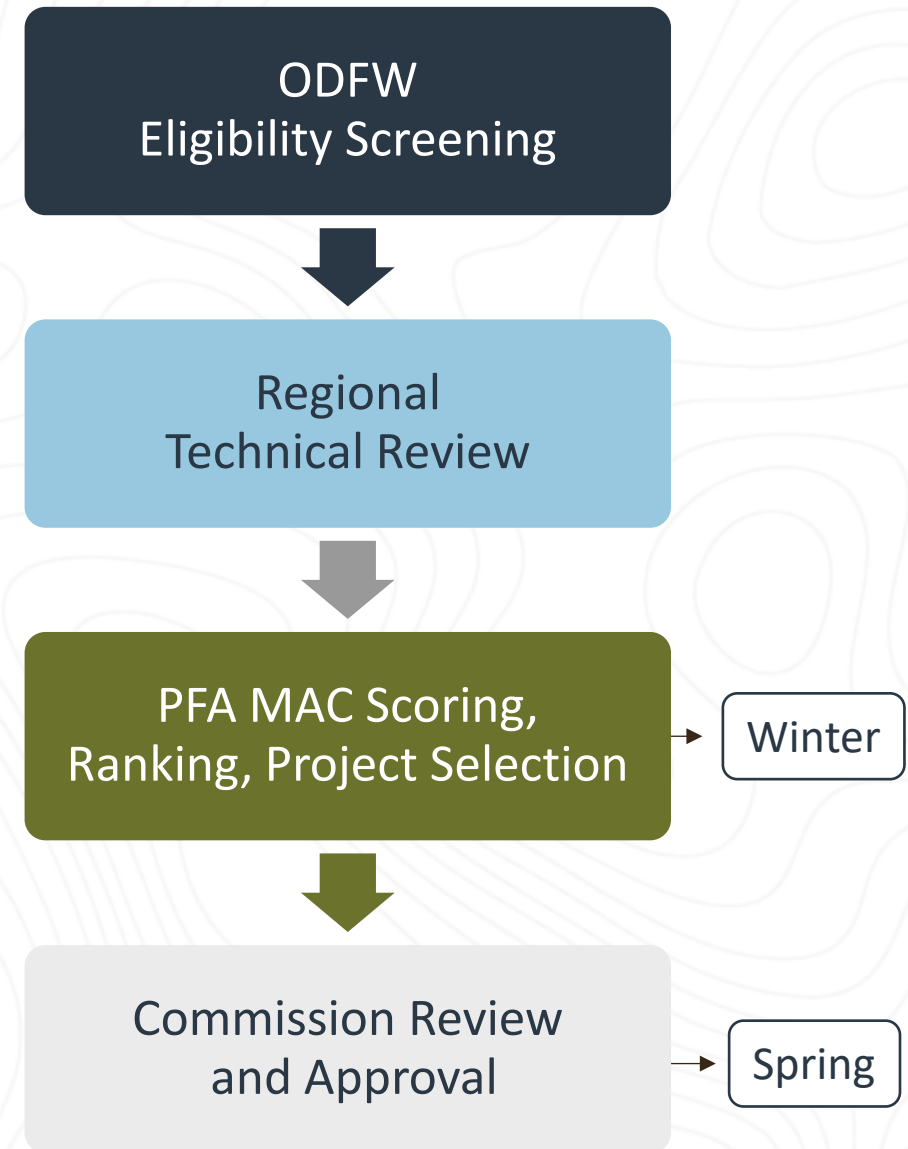


PFA GRANT REVIEW PROCESS

Grant Review Criteria

- Applicant Capacity
- Clarity
- Cost Effectiveness
- Conservation/Recovery Plan Alignment
- Leveraged Partnerships
- Measurability
- PFA Program Priority Alignment
- Technical Soundness

Connect with your ODFW stream bio!



APPLY NOW!

*Applications accepted through
November 13, 2024 - \$10 Million Available*



Additional resources available at:

www.PFAGrants.com

Andy Spyrka, PFA Grant Coordinator

Andrew.j.spyrka@odfw.Oregon.gov



WWW.PFAGRANTS.COM

Water Transaction Projects

What do you want to see?

- Targeted Priorities
 - Streamflow restoration, wetland conservation, habitat protection for species
- Fostering Collaboration
- Funding & Eligibility
 - Eligibility criteria for projects? How to incentivize long term agreements
- Challenges & Barriers
 - Challenges program should address?
- Measuring Success
 - How to measure success? Benchmarks for success?
- Technical Assistance
 - What type of TA is helpful? What tools are needed to apply?

