



# ODFW FISH HATCHERY ASSESSMENT

Public Meeting #2  
8.28.24



WILLAMETTE  
PARTNERSHIP

# AGENDA

Meeting objectives

Process review

Contractor updates

Webinars

Infrastructure blueprint

Small group



## **WILLAMETTE PARTNERSHIP**

*We help people and nature thrive together.*



## MEETING OBJECTIVES

The specific goals for this second public meeting are to:

- Understand and discuss the implications of the analyses presented in the webinar series, and start exploring potential routes forward
- Create alignment on the infrastructure blueprint work product for the small working group
- Understand and align on the small work group process



# REMINDER ON OUTCOME OF THIS PROCESS



The Department is collecting information to understand:



### Economics

Financial sustainability, costs and benefits, funding models



### Climate Vulnerability

Assessing the impact of climate change on hatchery infrastructure and programs, the need for these programs, and how can impacts be mitigated



### Current State

Document the deferred maintenance needs at all facilities

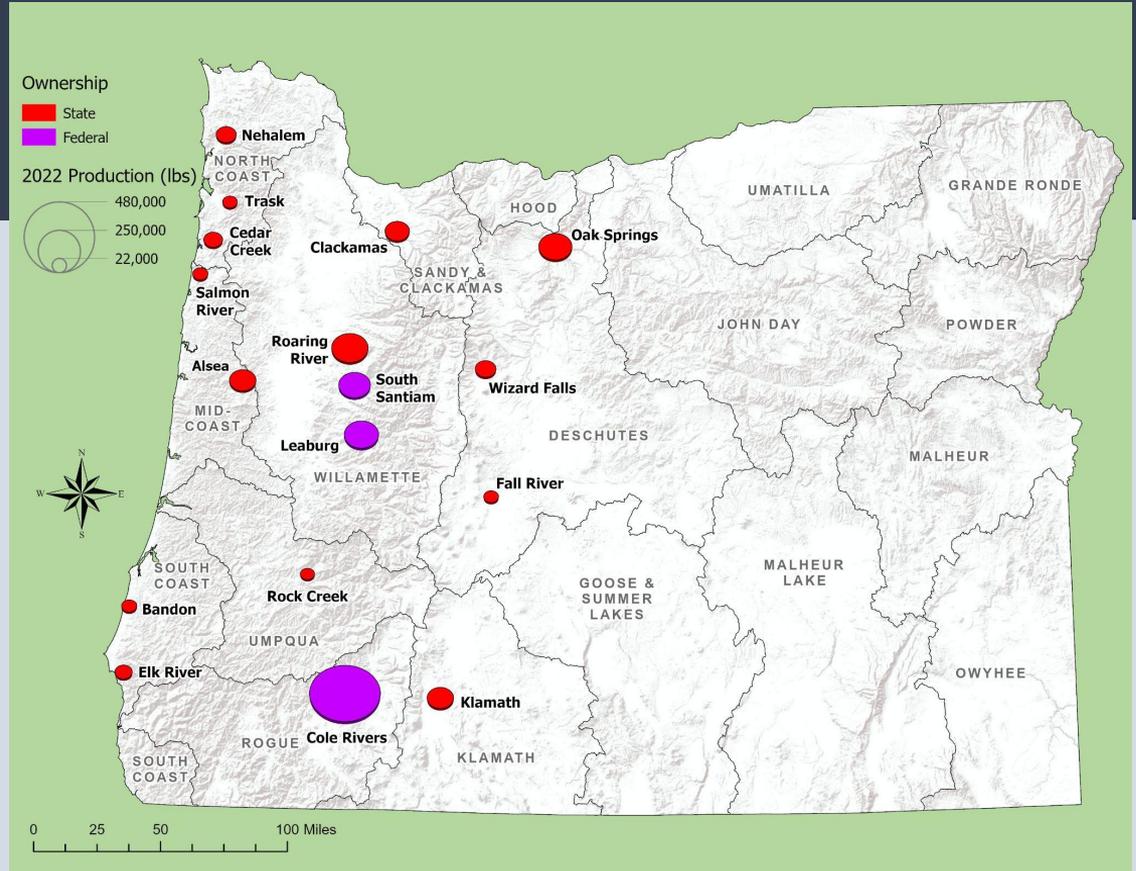


# HATCHERIES

Under review

## Focus on 17 facilities

- 14 state-owned
- 3 federally-owned



# Webinar series

The Department of Fish and Wildlife was directed to procure a third-party assessment of the operations, sustainability, and climate vulnerability of state-owned fish hatcheries.

## Aug. 1



Future need for hatchery programs

## Aug. 8



An economic cost-benefit analysis. Funding models and financial sustainability



Impact of climate change on hatchery stocks

## Aug. 15



Infrastructure assessment, (deferred maintenance, vulnerabilities, mitigation measures, alternatives etc)



Planning and policy context for management of the hatchery system

# Comment on Scale



Hatchery facility



Statewide

# Comment on Scale

## Future need



Describes need at large (species management unit) geographic scale



# Comment on Scale

Ultimately, the department will have to make decisions about investing, or not, at existing facilities and/or new facilities (*watershed scale*), with consideration for costs/benefits/factors at *SMU/State scale*

# **WILLAMATTE PARTNERSHIP'S PROCESS**



# WEBINAR UPDATE, REVIEW & DISCUSSION



# CONTRACTOR UPDATES





## **TAKEAWAYS FROM WEBINARS**

Are the outcomes what you expected?

Were there surprises?

Opportunities for solutions? Challenges?





## **WEBINAR #1: FUTURE NEED TAKE HOME**

- No change in need for mitigation programs and some increasing need for harvest and conservation programs based on expected declines in wild fish status in some areas



## WEBINAR #2: ECONOMIC TAKEHOMES

- The State system is a significant economic benefit to the State and rural communities
- Trout stocking programs generate more economic benefit.
- Winter steelhead programs have highest impact and summer steelhead programs are not cost effective
- Smaller coastal facilities are less cost effective, though this may still be significant to the local economy



## **WEBINAR #2: HATCHERY STOCK VIABILITY TAKEHOMES\***

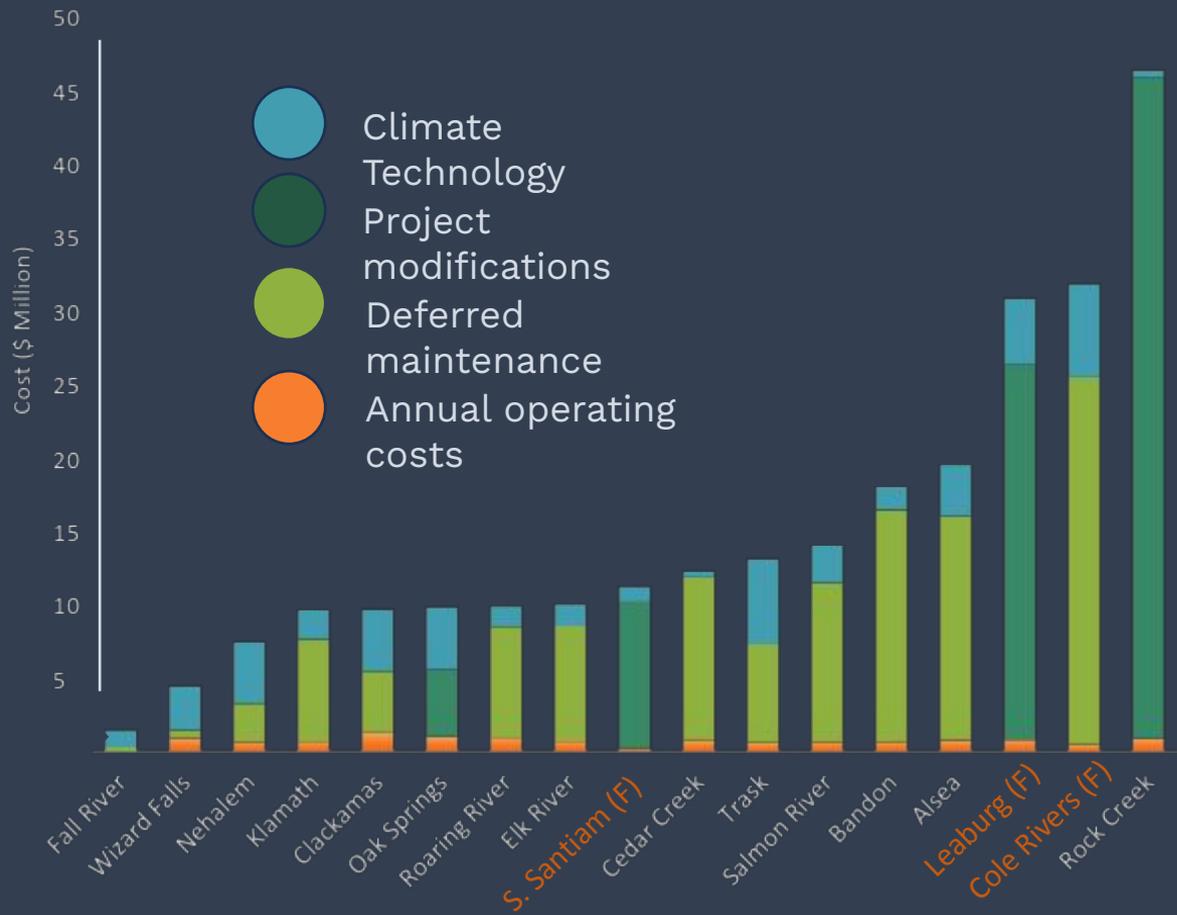
- Climate change vulnerability varies among stocks.
- Marine indicators are important and some are expected to trend worse over time.
- Summer steelhead appear more vulnerable
- Trout stocking programs are resilient and adaptable.



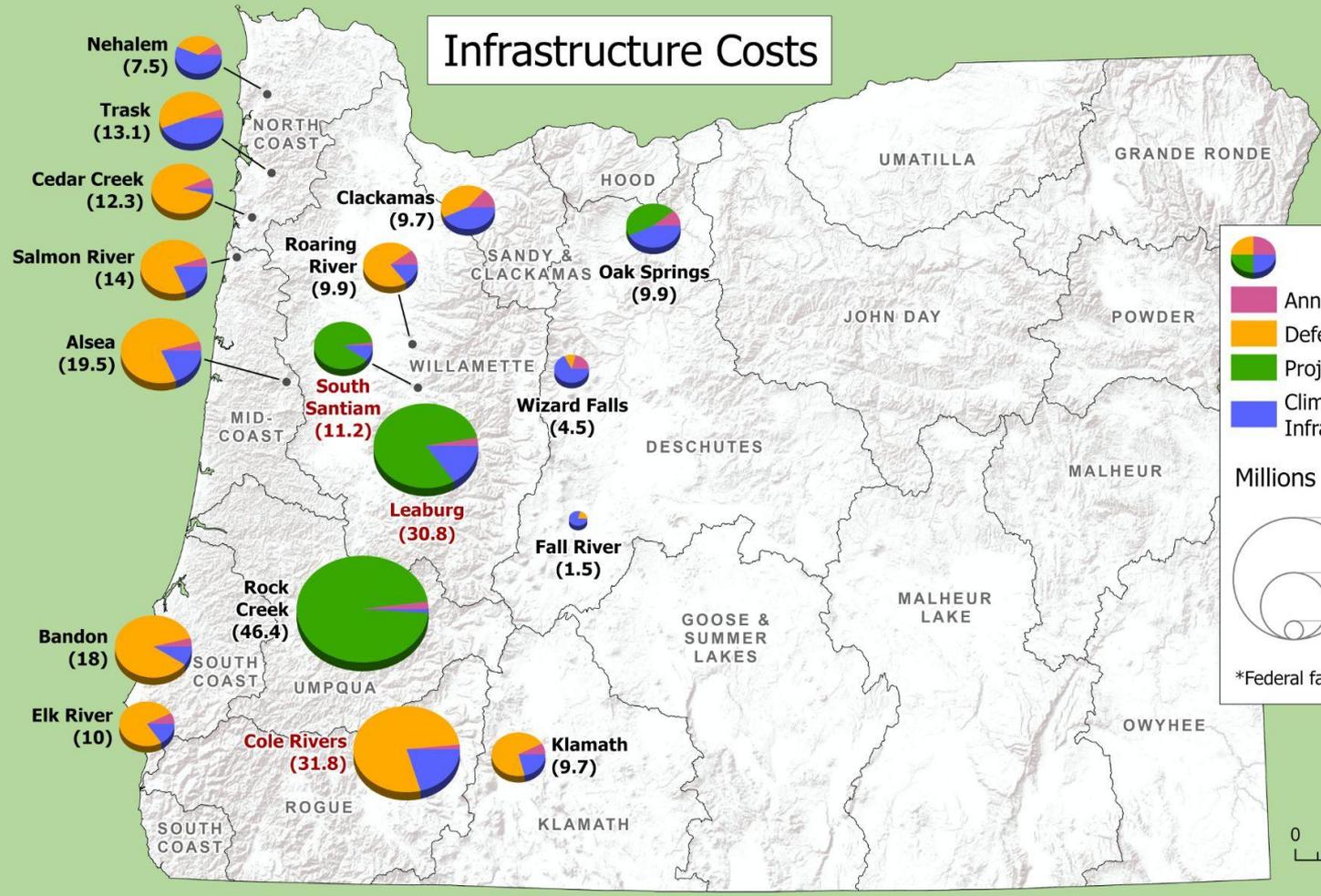
## WEBINAR #3: POLICY AND PLANNING ASSESSMENT TAKEAWAYS

- Hatchery programs have benefits and risks
- Policy and planning framework in place to achieve benefits while minimizing risk
- Thorough federal process to address risk to listed stocks
- These sideboards will govern future programs

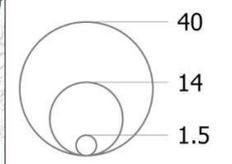
# Infrastructure costs



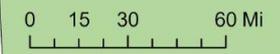
# Infrastructure Costs



Millions of dollars



\*Federal facilities in red text.



**Nehalem**  
(7.5)

**Trask**  
(13.1)

**Cedar Creek**  
(12.3)

**Salmon River**  
(14)

**Alesea**  
(19.5)

NORTH COAST

**Clackamas**  
(9.7)

**Roaring River**  
(9.9)

**South Santiam**  
(11.2)

**Wizard Falls**  
(4.5)

**Oak Springs**  
(9.9)

MID-COAST

**Leaburg**  
(30.8)

**Fall River**  
(1.5)

**Rock Creek**  
(46.4)

**Bandon**  
(18)

**Elk River**  
(10)

SOUTH COAST

**Cole Rivers**  
(31.8)

**Klamath**  
(9.7)

SOUTH COAST

ROGUE

KLAMATH

UMATILLA

GRANDE RONDE

HOOD

SANDY & CLACKAMAS

JOHN DAY

POWDER

DESCHUTES

MALHEUR

GOOSE & SUMMER LAKES

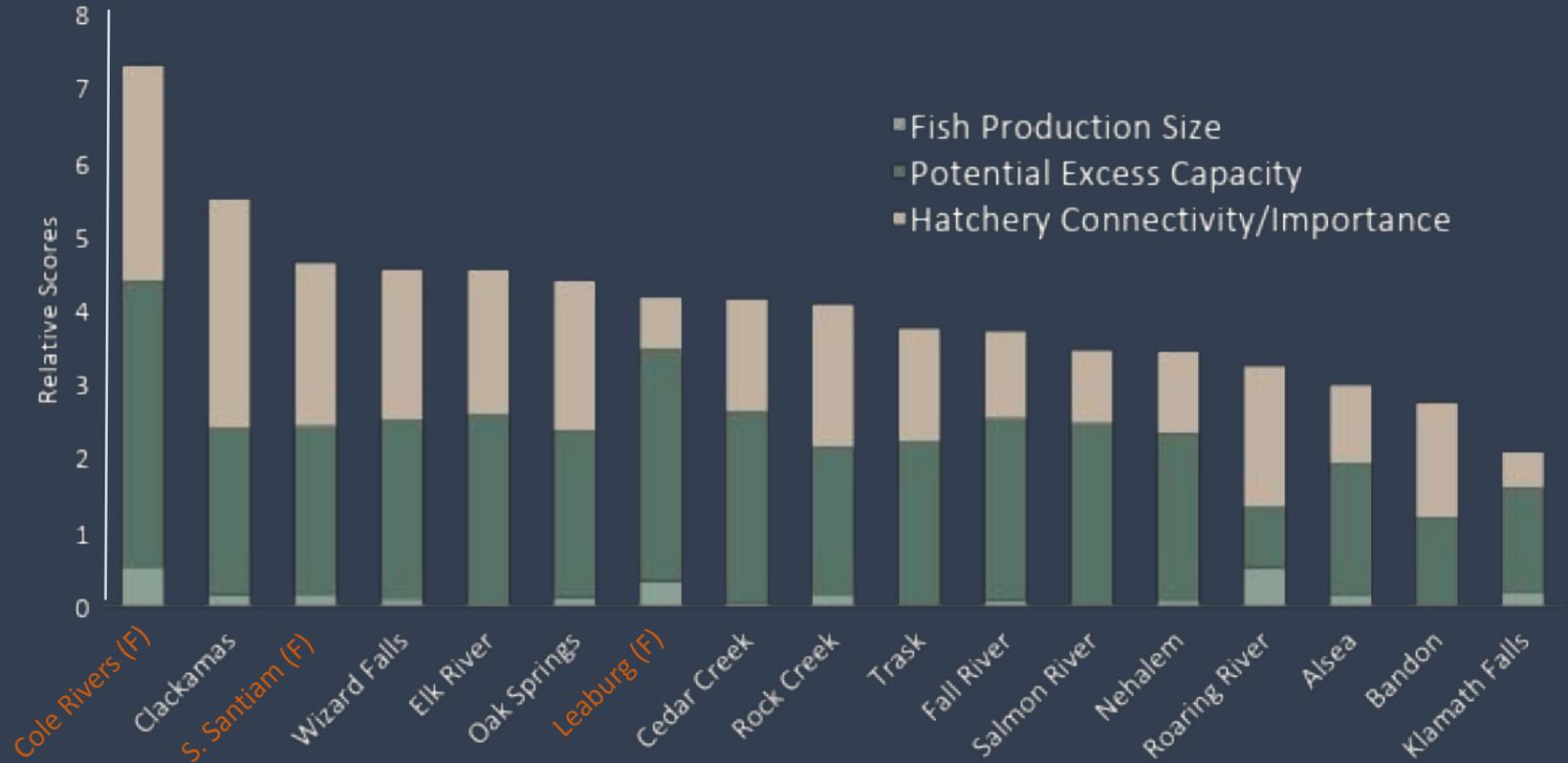
MALHEUR LAKE

UMPQUA

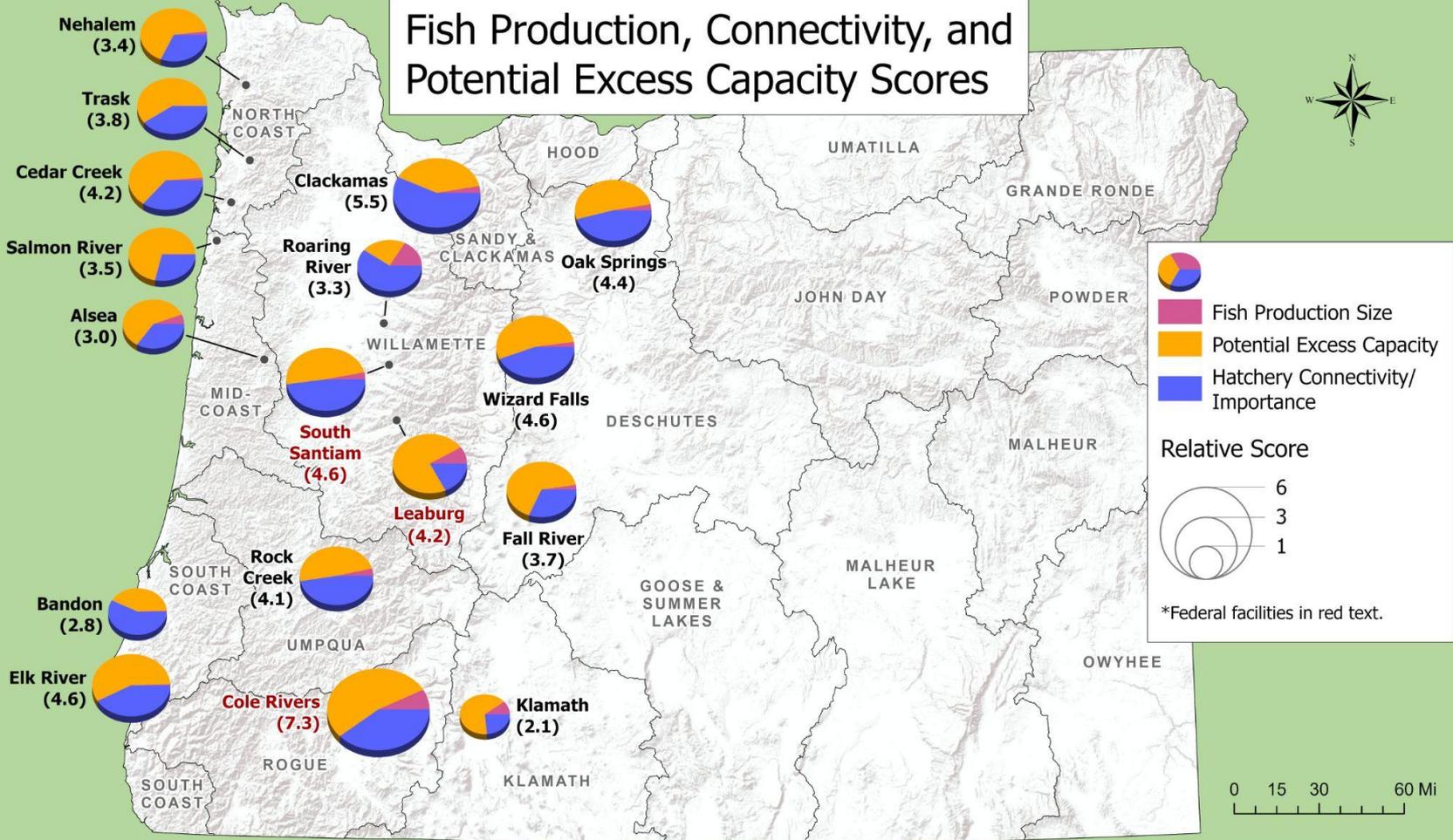
OWYHEE



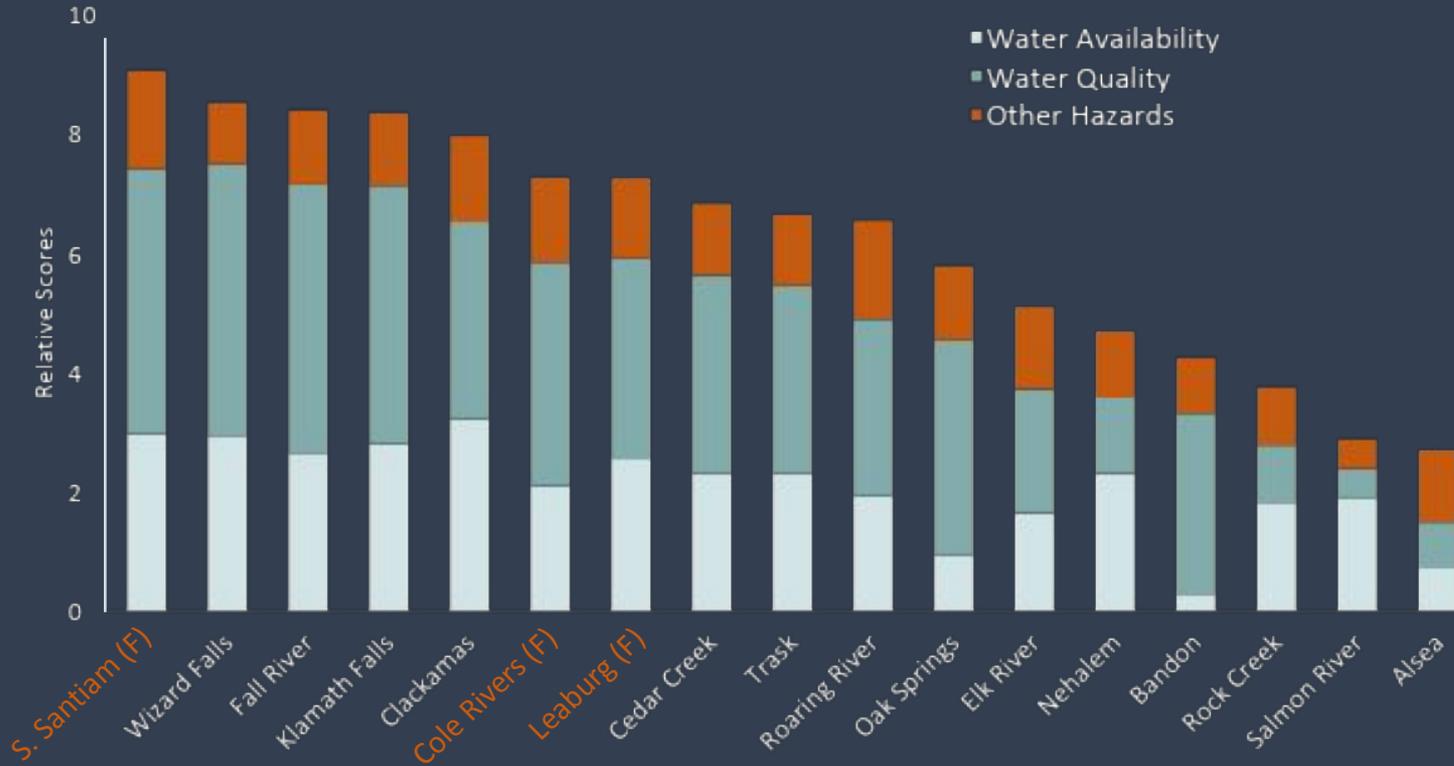
# Contribution to the hatchery system



# Fish Production, Connectivity, and Potential Excess Capacity Scores



# Overall Hatchery Resilience

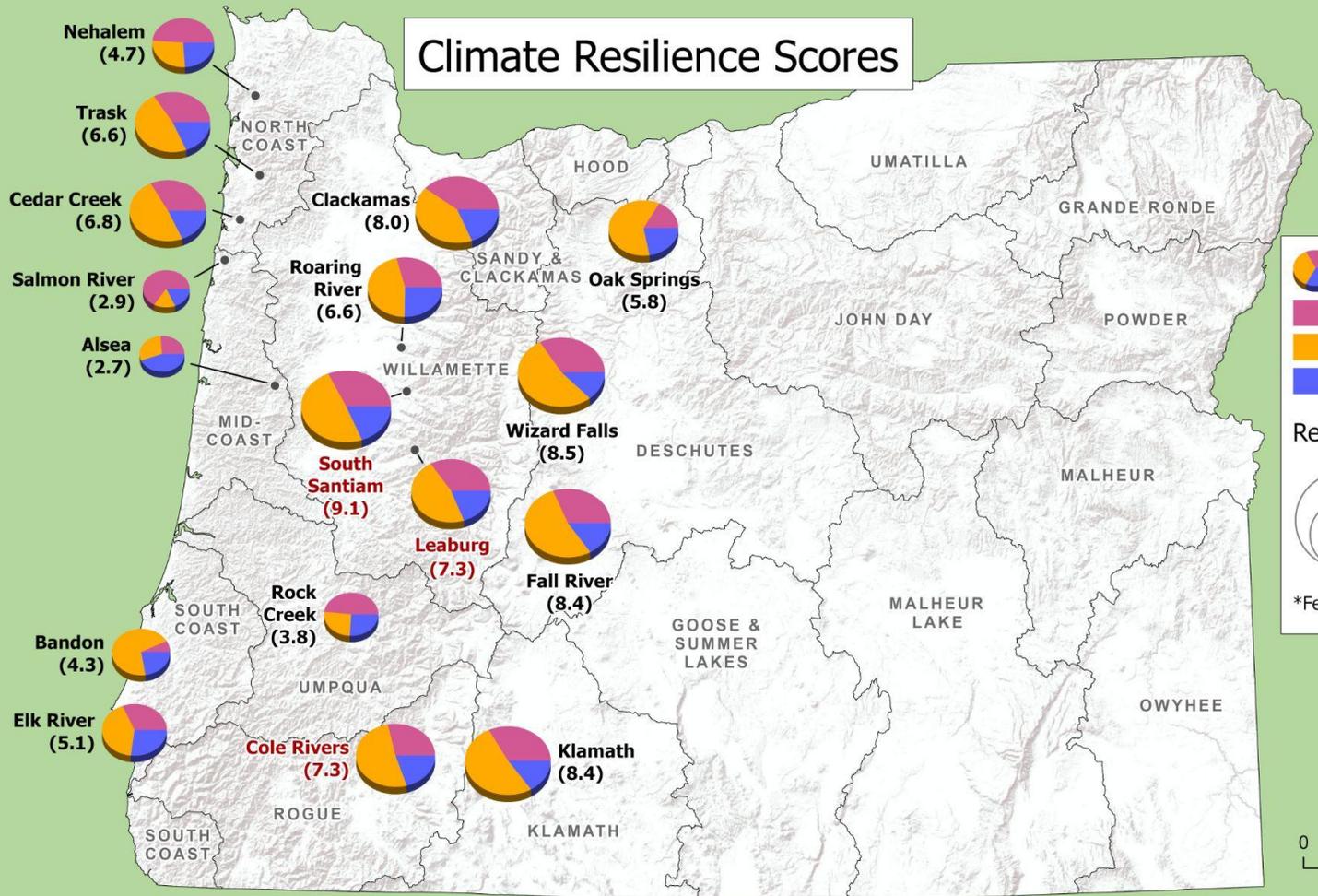


Resilient

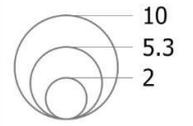


Vulnerable

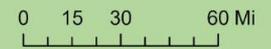
# Climate Resilience Scores



Relative Score

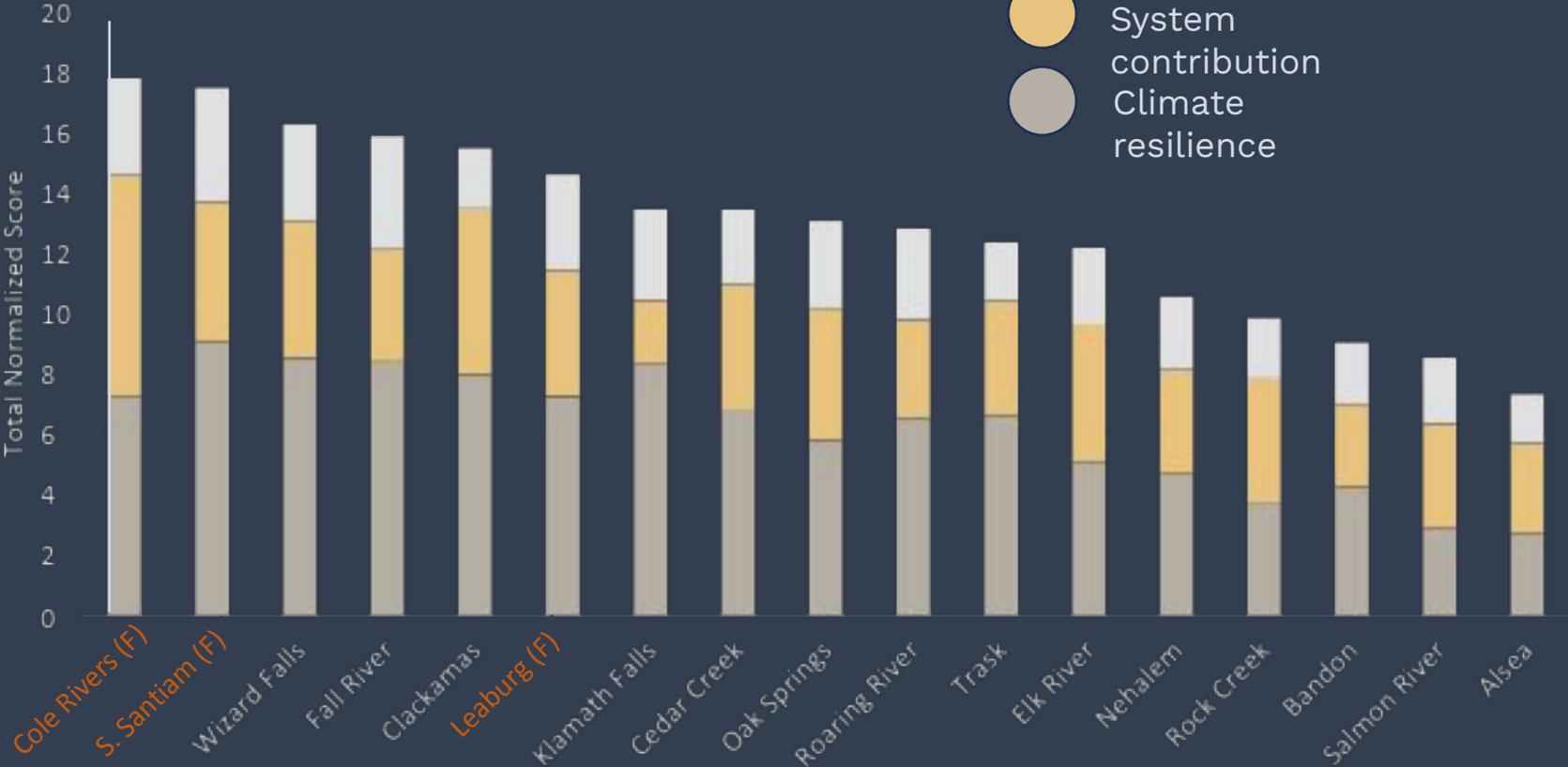


\*Federal facilities in red text.



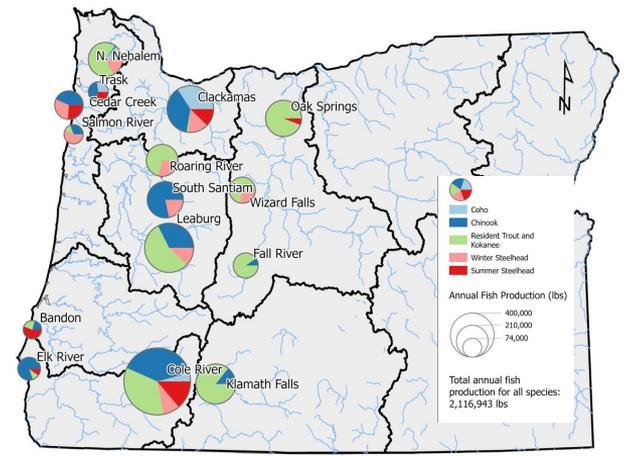
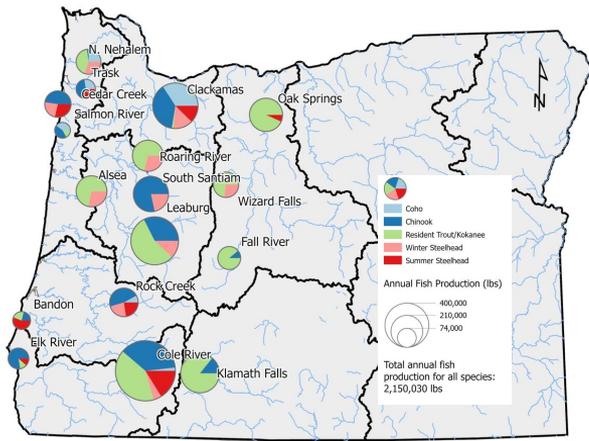
# Combined assessment

- Infrastructure costs
- System contribution
- Climate resilience



# REVISITING ALTERNATIVES





## Alternative 1

Upgrades at all existing facilities

## Alternative 2a

**Northwest:** Close Nehalem, upgrade Cedar & Alsea

**Southwest:** Close Rock Creek, Expand Bandon & Elk

**Deschutes:** Upgrade Oak Springs & Fall River

## Alternative 2b

**Northwest:** Close Salmon River, upgrade Cedar & Nehalem

**Southwest:** Close Rock Creek, Expand Bandon & Elk

**Deschutes:** Upgrade Oak Springs & Fall River

## Alternative 2c

**Northwest:** Close Alsea, upgrade Cedar & Nehalem

**Southwest:** Close Rock Creek, Expand Bandon & Elk

**Deschutes:** Upgrade Oak Springs & Fall River



## **TAKEAWAYS FROM THIS WEBINAR DISCUSSION**

What went well?

What would have helped with more productive discussion?

What additional data or information is needed?

Key opportunities? Biggest challenges?

**LUNCH**



# INFRASTRUCTURE BLUEPRINT

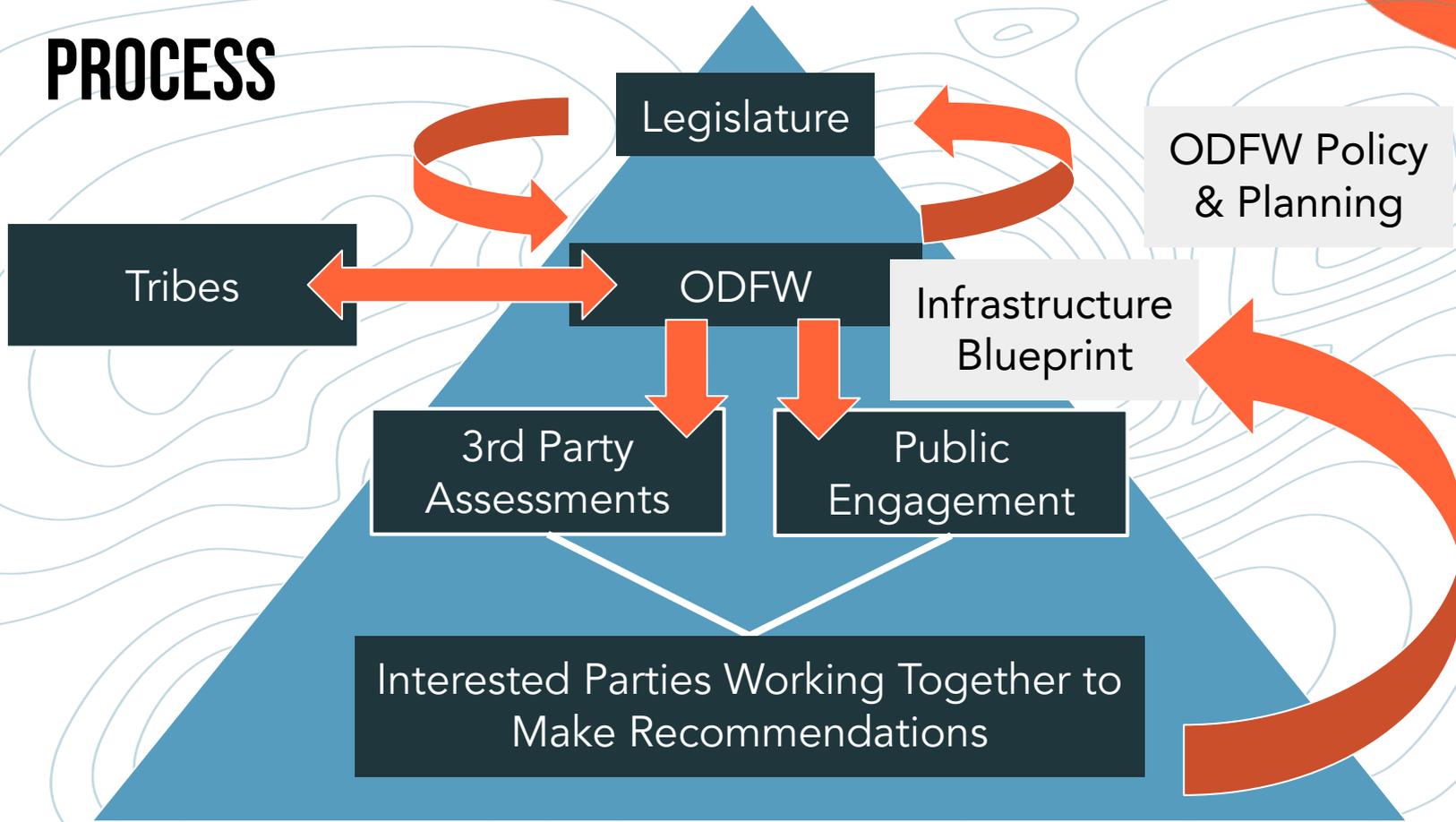




## **INFRASTRUCTURE BLUEPRINT - AKA THE WORK PRODUCT**

- Understand how the public process and work product fits into Legislative, Tribal and agency work
- Align on work product to be informed by this group for ODFW
- Identify any opportunities or concerns about the work product

# PROCESS



# SMALL GROUP





## **SMALL GROUP EXPECTATIONS**

- Understand how small group was selected and intent of group
- Align on work product to be informed by this group for ODFW
- Identify any opportunities or concerns about the small group process

# Comment on Scale



Hatchery facility



Statewide



## **SMALL GROUP ORGANIZATIONS**

American Sportfishing  
Association

Association of  
Northwest Steelheaders

Coastal Conservation  
Alliance

The Conservation  
Angler

Native Fish Society

NW Guides & Anglers  
Association

NW Sportfishing  
Industry Association

Oregon Anglers  
Alliance

Trout Unlimited

Wild Salmon Center

# NEXT STEPS

- Small group meetings from mid Sept to end of Oct
- Small group contact list and notes sent to Interested Parties List
  - Sign up on ODFW Hatchery Assessment website
- Public meeting #3 Nov 13th