



# **Eastern Oregon – Siskiyou Region: Monitoring of Forest Practices Act Streamside Protections**

**Oregon Board of Forestry, 7 March 2018**

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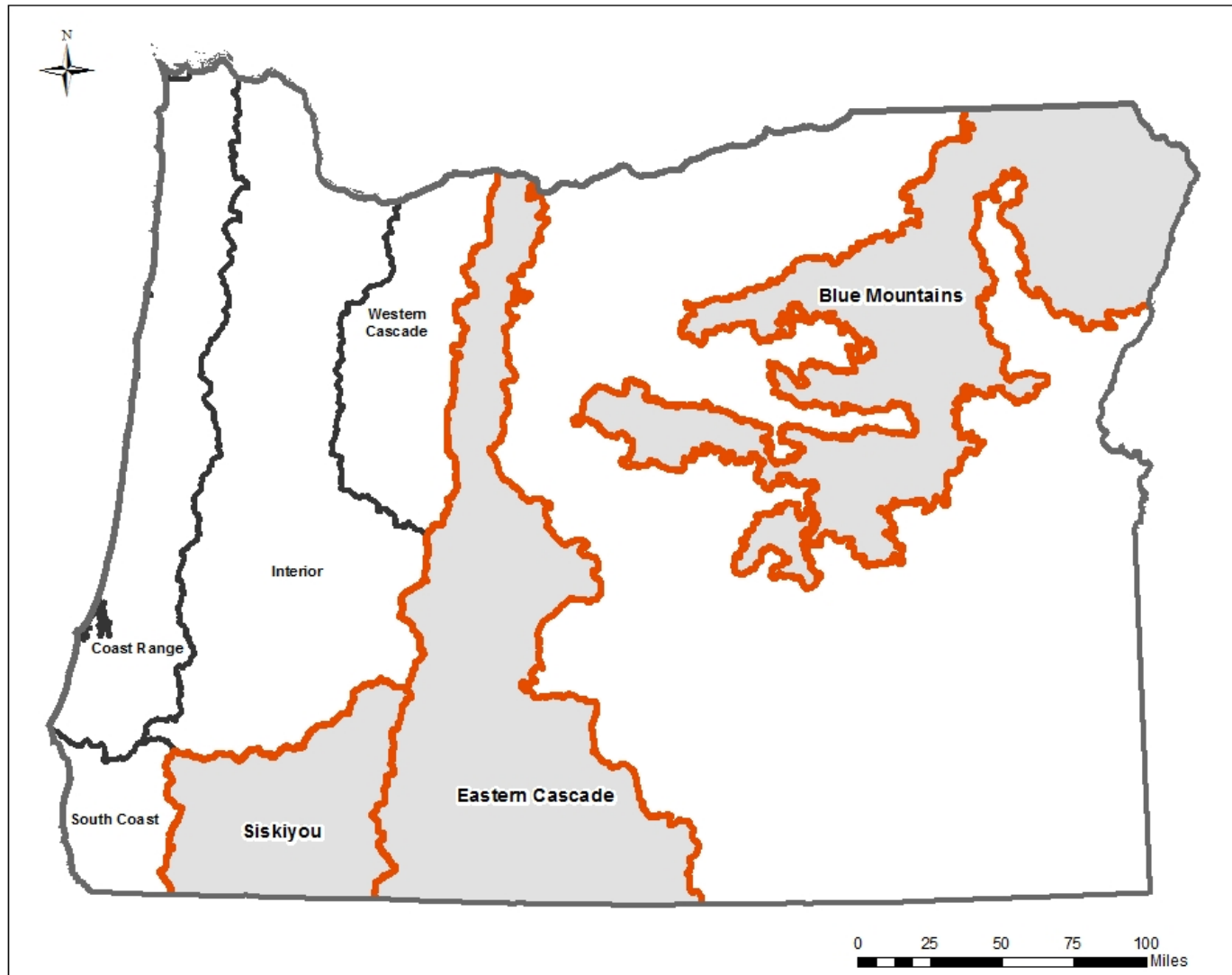


# **Why review streamside protections in the eastern Oregon/Siskiyou regions?**

## **Oregon Board of Forestry decision (November 2016)**

- Desire to review areas outside SSBT rule regions**
- Part of implementing Monitoring Strategy**
- Specific Board direction**
  - Work with stakeholders**
  - Propose one or more monitoring questions to address**
  - Propose methods, timelines to answer question(s)**

# Map of eastern Oregon/Siskiyou regions



# End in mind: Board decisions

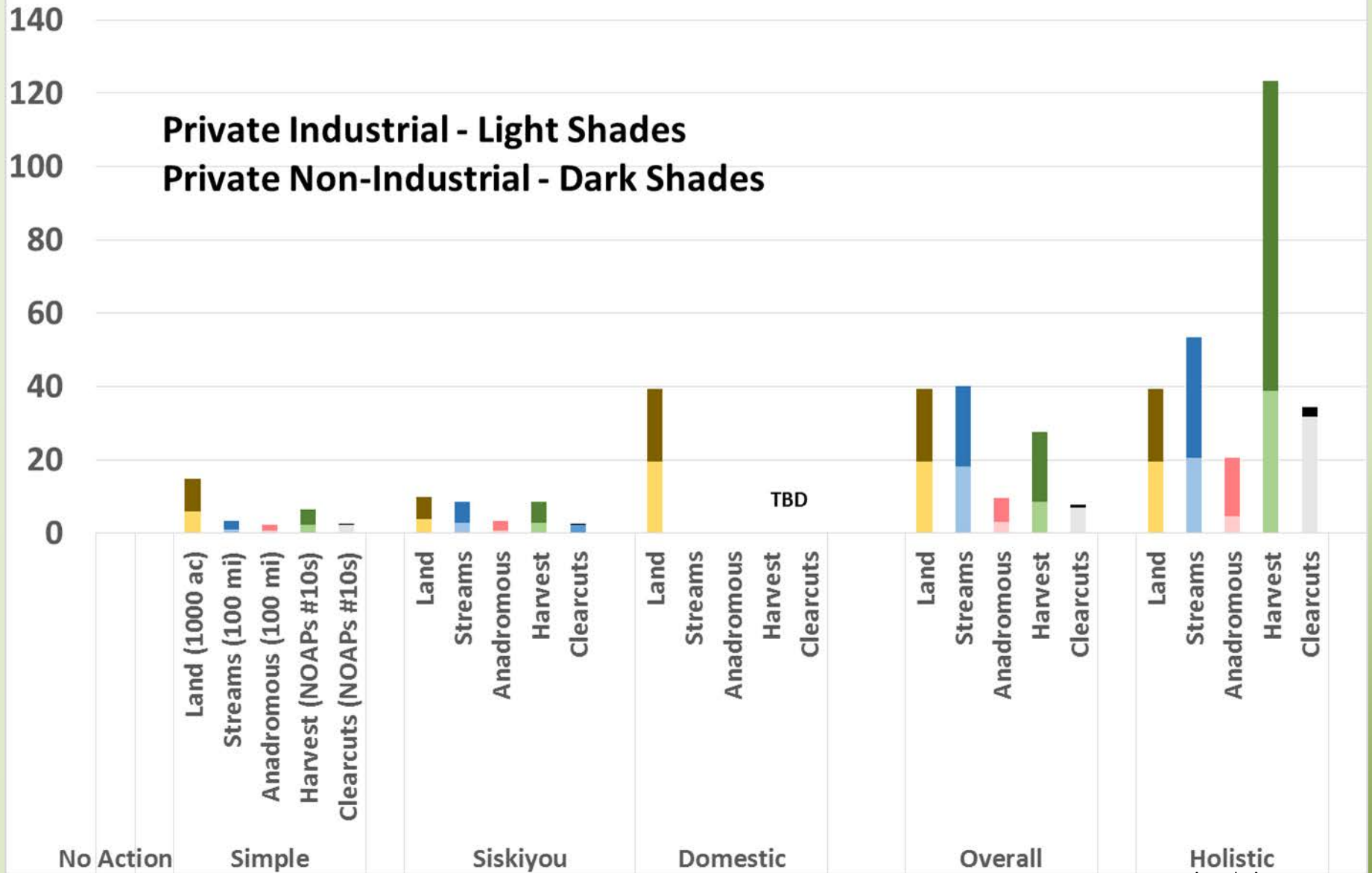


## Monitoring question elements:

- **Where:**
  - Which Georegions (Siskiyou, Eastern Cascade, Blue Mountains)
  - Which stream types (F, N, D)
  - Which stream sizes (S, M, L)
- **Which FPA goal(s) or purpose: water quality, healthy riparian forest, fish habitat, wildlife habitat**
  - Relating to: stream temp., WQ-other, rip. management, shade, large wood
- **How: what type of information to assist with study**

# Monitoring Question Themes vs. GIS Analysis

**Private Industrial - Light Shades**  
**Private Non-Industrial - Dark Shades**



# Information analyses for the Board



<u>Title</u>	<u>Information type</u>	<u>When presented to Board</u>
Survey	Public opinion	July 2017, January 2018
Written comments	Public opinion	January 2018
Geographic Information Systems (GIS)	Landscape	July 2017, January 2018
Voluntary Measures	Land management	July 2017, January 2018
Harvest type	Land management	January 2018
<b>Tally of Existing Science</b>	Science	<b>March 2018</b>
<b>Study Method, Timelines, and Cost</b>	Conceptual review approaches	January 2018
	<b>Estimated timelines and cost by question, method</b>	<b>March 2018</b>

# Science Tally



**Purpose: Amount of potentially-relevant science; NOT a literature review**

## **Methods:**

- Search databases, websites
- Study inclusion criteria:
  - In similar forests to eastern Oregon, Siskiyou
  - Potentially relevant primary data (measure impacts of  $R_x$  on LW, water quality, DFC/HSF)
  - Methods described

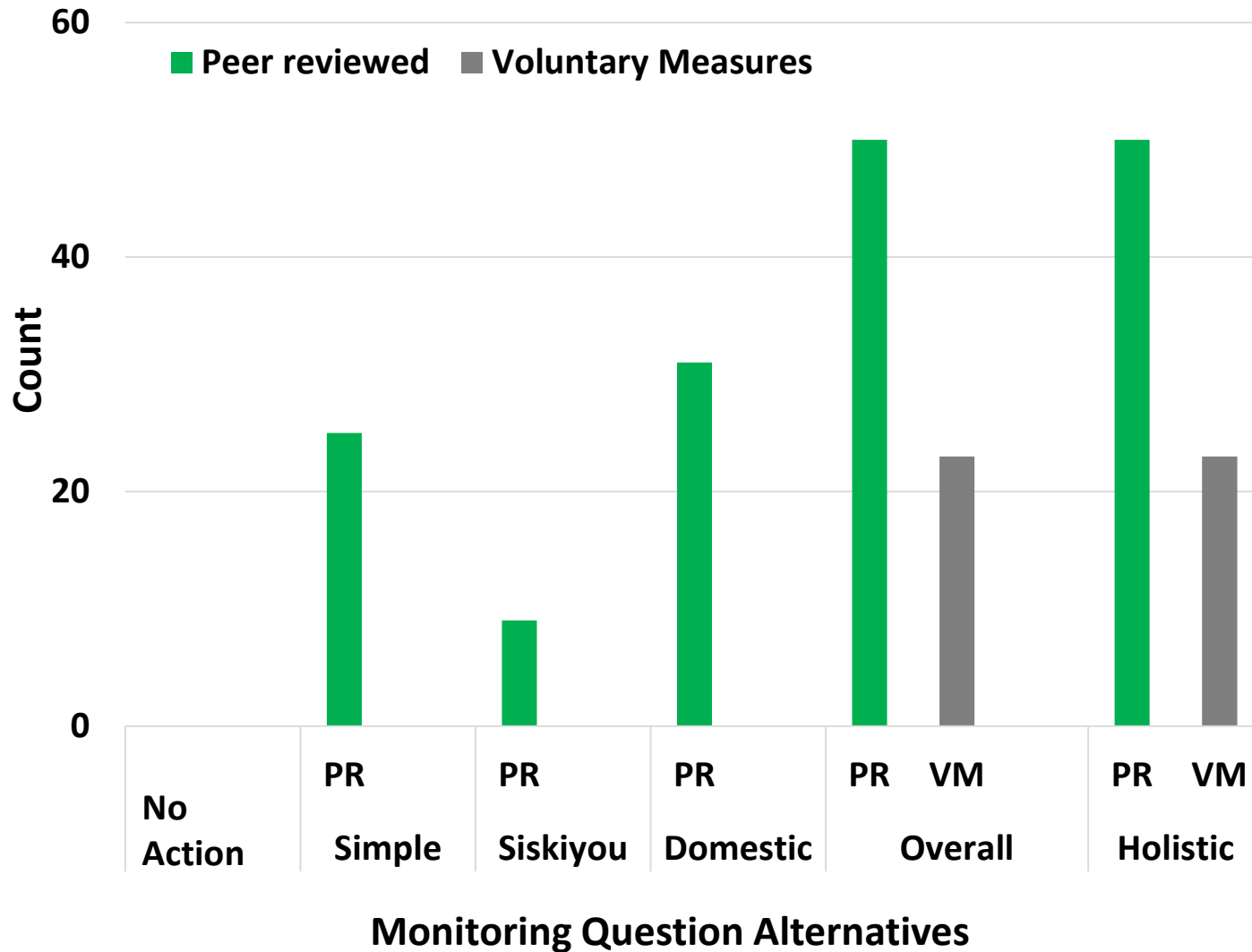
## **Results:**

- ~1400 studies assessed
- 91 included

**Caveat: how many actually relevant?**

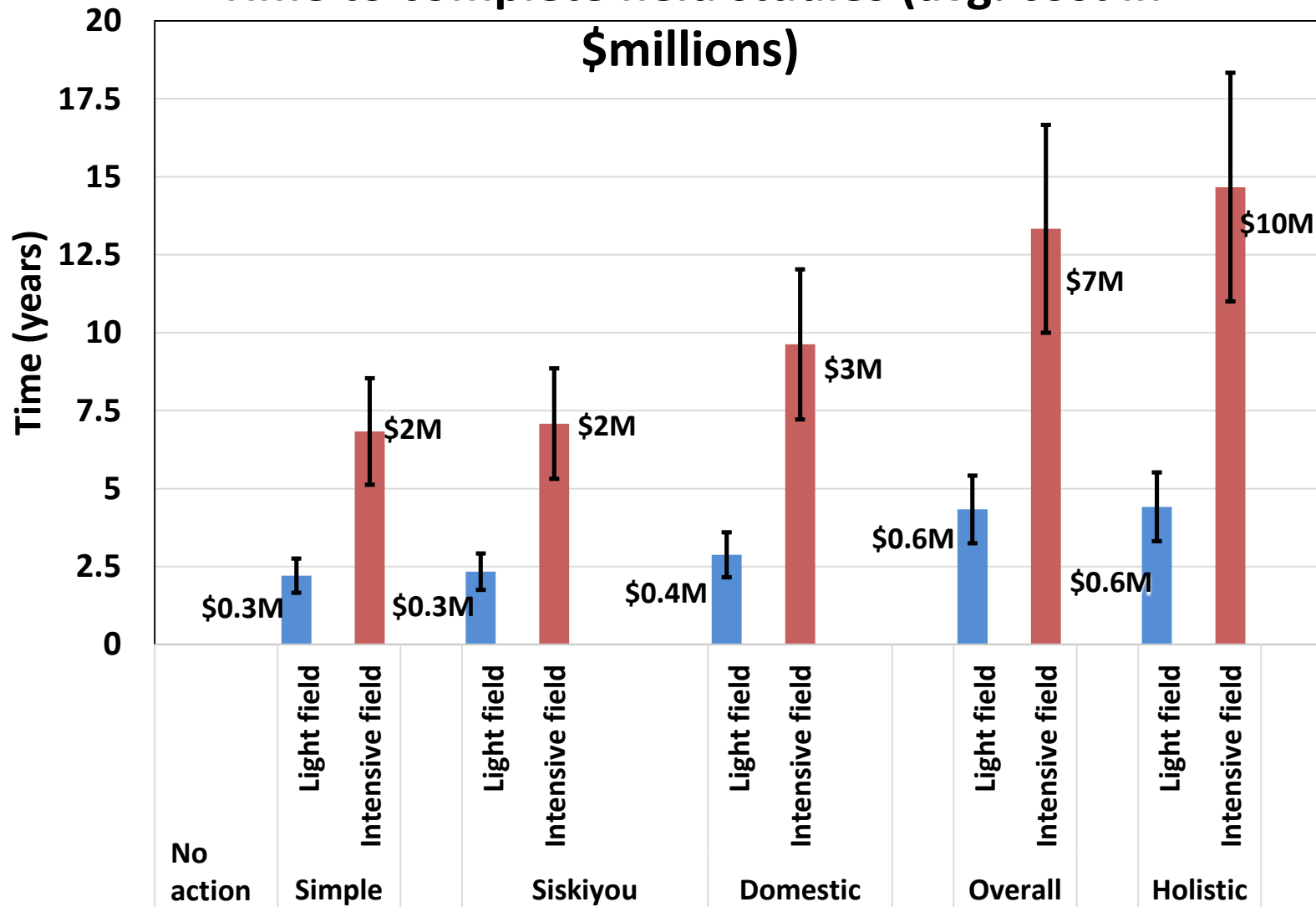


## Potentially relevant studies





## Time to complete field studies (avg. cost in \$millions)



### Monitoring Question Alternatives

# ODF options & recommendation



# ODF Approach: Generating Monitoring Questions



1. Follow the 2016 monitoring strategy
  - a) Stakeholder input
  - b) Prioritized questions
    - a) Implementation
    - b) Effectiveness
  - c) Unit capacity
2. EOA-Siskiyou stakeholder input
  - a) Survey
  - b) Written comments
3. Board direction

**Common Themes**  
**Riparian Protections**  
**Water Quality**  
**Healthy Streamside Forests**

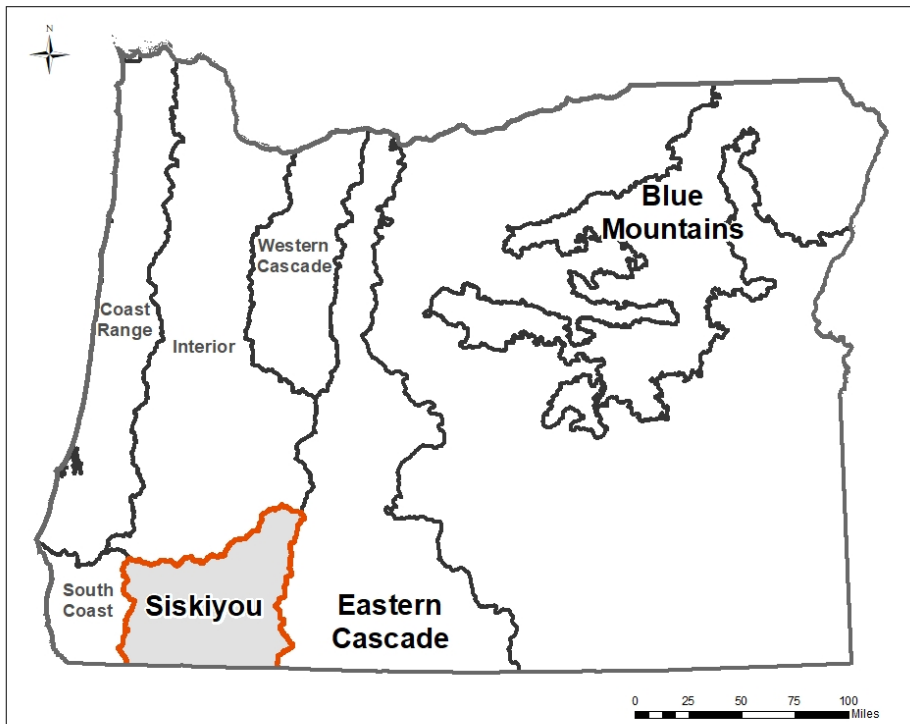
# **ODF Option 1: Implementation Monitoring Focus**



- 1. Significant expansion of compliance audit**
- 2. Finish remaining RipStream analyses (DFC, LW)**

**Once this work is complete, initiate eastern Oregon/Siskiyou study**

# ODF Option 2: Modified Siskiyou



<u>Type:</u>	F	N	D
<u>Size:</u>	S	M	L
<u>Goal:</u>	WQ	HSF	
<u>Focus:</u>	Temp. LW	Shade Fish	WQ stds. Rip.Mngment
<u>Info:</u>	ALL		

Begin with literature review

# ODF Recommendation: Option 2, Modified Siskiyou



## Why: balances:

- Board direction re: eastern Oregon and Siskiyou,
- Stakeholder input,
- Department priorities from Monitoring Strategy, & available resources
- Efficient
  - Maximizes use of available information
  - Start with literature review

Tradeoffs: Delay significant expansion of compliance audit, continue with RipStream completion

**Timeline:** ~1 year to complete

# **ODF Recommendation: Option 2, Modified Siskiyou**



## **Range of Outcomes – Future Board Decision**

- **The FPA or rules are working as designed**
- **FPA rules may not meet stated objectives**
- **Additional study is warranted**
- **No action is needed**



- Questions**
- Public comment**
- Board discussion**



# ODF Recommendation: Option 2, Modified Siskiyou



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