

Compliance Monitoring Program Update

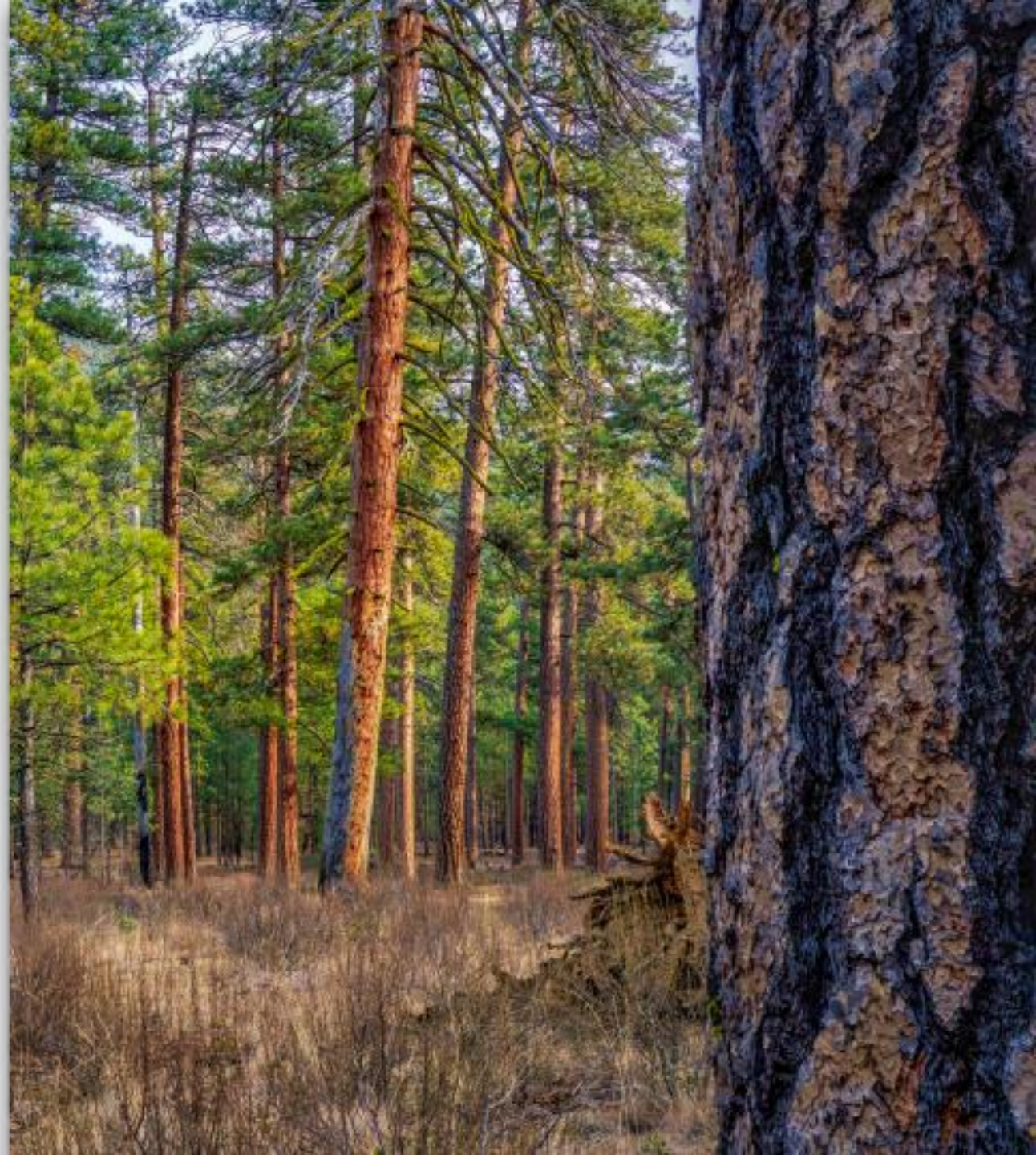


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Sarah Siefken, Sam Schoch, Elise Chiba, & Marta Frias Bedolla



Topics

- Overview of the Compliance Monitoring Program
- Update on Compliance Monitoring Studies
- Q&A





Compliance Monitoring Program (CMP)

Purpose & Goals (OAR 629-678-0000)





1. Assess Forest Practice Act (FPA) rule compliance & report findings
2. Identify areas needing improvement for training purposes
3. Increase the public's trust in the implementation of the FPA & rules.



<https://tinyurl.com/ODF-Monitoring>



Background: Recent Changes

			
<p>Access Requirements</p> <p>Landowners must now allow access for compliance monitoring.</p>	<p>Completion Notification</p> <p>Landowners file a notification when forest activities are complete.</p>	<p>External Statistician</p> <p>Mt. Hood Environmental is now involved in study design & analysis.</p>	<p>Stakeholder Advisory Committee</p> <p>Compliance Monitoring Program Committee has been formed</p>



Background: Recent Changes

Rule Priorities

- Vegetation along streams
- Road construction & maintenance
- Harvesting on steep slopes
- Other rules as directed by Board of Forestry

Compliance Monitoring Study Development





Compliance Monitoring Study Process

Rule Selection

Pilot Study

- Study Design
- Data Collection
- Data Analysis
- Report

Full Study

- Study Design
- Data Collection
- Data Analysis
- Report

Use Findings to Educate Landowners & Target Outreach Efforts



Collaborative Partners



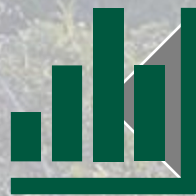
Oregon Department of Forestry

- Includes Monitoring Unit staff, FPA Field Coordinators, & other subject matter experts



Compliance Monitoring Program Committee

- Stakeholder advisory committee with representatives from state agencies, industry, conservation groups, etc.



Mt. Hood Environmental

- External statistician assisting with study design & data analysis



Rule Selection

- Prioritize rules for CMP studies
 - Impractical to monitor every rule
 - Focus on rules that are most critical & feasible for monitoring
- Each rule is framed as a question & analyzed to determine its suitability for inclusion in monitoring studies



FPA Rule



Study Question



Rule Selection: Key Questions

- Is the rule easily measurable?
- Has this rule been assessed in previous ODF monitoring studies?
- Do other states include this rule in their compliance programs?
- Are there past compliance issues or penalties related to this rule?
- Can compliance be determined 1 year after the activity? (Or is it better assessed by a Stewardship Forester?)



Rule Selection Example

FPA Rule



OAR 629-643-0105

Western Oregon Standard Practice Vegetation Retention Prescription for Type N Streams

- (3) For large and medium Type N streams, the operator shall:
- (a) Retain all trees and vegetation within 75 feet from the edge of the active channel or channel migration zone.



Study Question



Q. For large & medium Type N streams: Did the operator retain all trees & vegetation within 75 ft from the edge of the active channel or channel migration zone?



Ongoing Compliance Monitoring Studies





Ongoing Studies

Reforestation Rules



Riparian Rules



Road Rules



Steep Slopes Rules



Old Rules
(Before PFA)

New Rules
(After PFA)



Timeline of Compliance Monitoring Studies

X = Final Reports

Reforestation Pilot Study



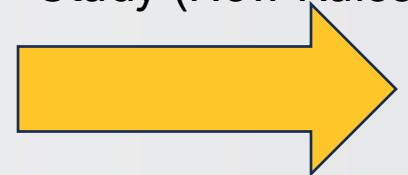
Reforestation Study



Pilot Study (New Rules)



Study (New Rules)



2021

2022

2023

2024

2025

2026

Compliance Monitoring Studies: **Reforestation Study**





Reforestation Study: Ruleset Overview

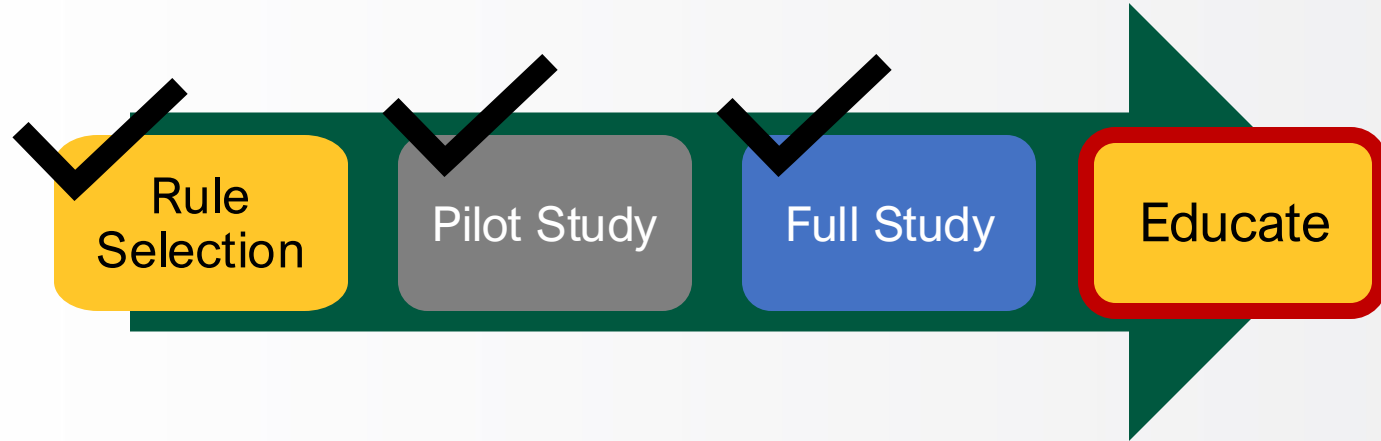
Division 610 Forest Practices Reforestation Rules

- Study estimated percent compliance with OAR 629-610-0040(4), requiring a **‘free to grow’ (FTG)** stand meeting the minimum stocking level in OAR 629-610-0020





Reforestation Study: Completed Phases



Reforestation Study: Sample Selection

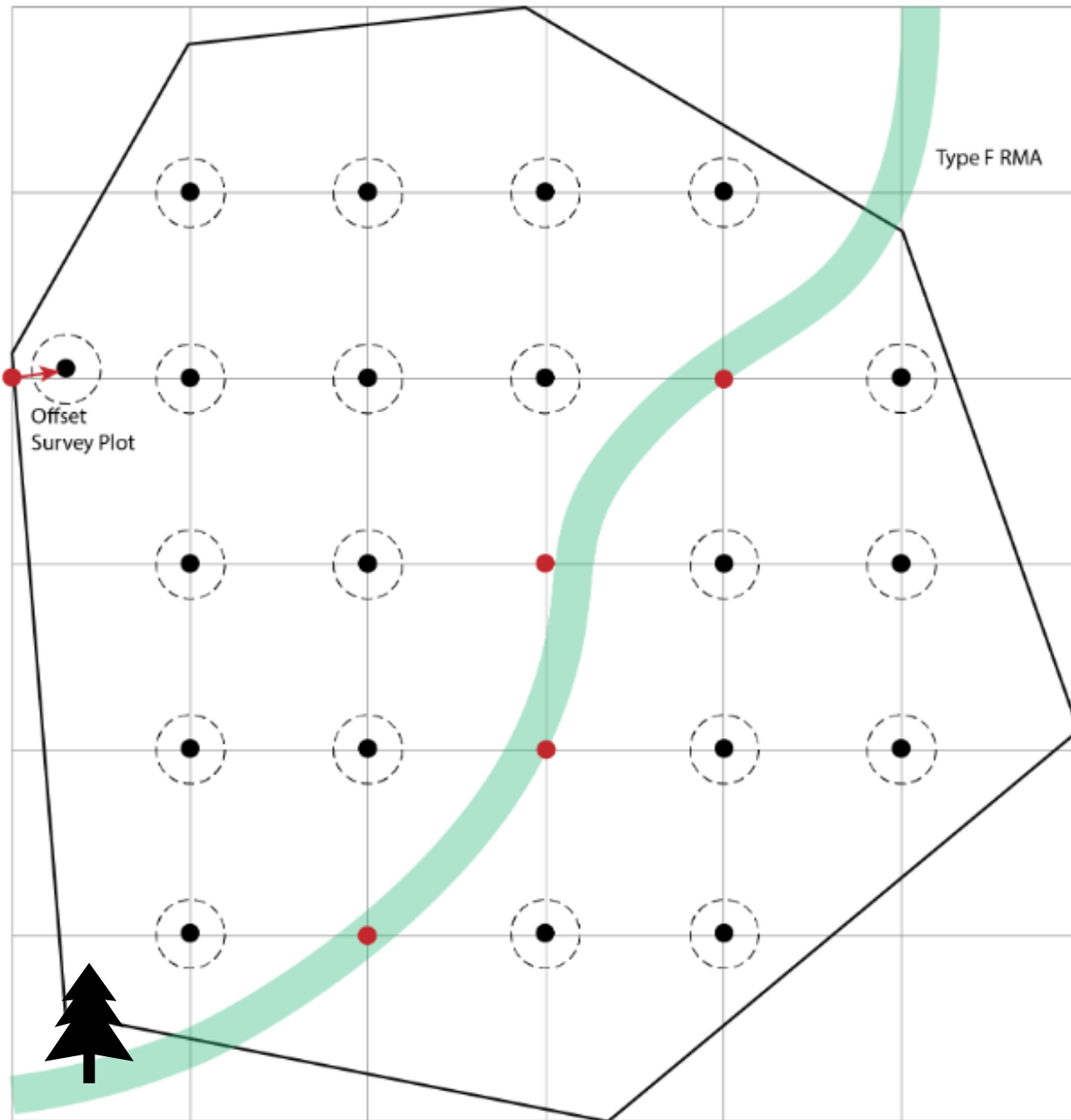
- Targeted private industrial (PI) & private nonindustrial (PNI) forest land.
 - Clearcut (Type 3) harvest
 - Completed 2016 – 2017
 - 2 – 120 acres
- Harvest units were randomly selected from the Forest Activity Electronic Notification System (FERNS).



— Harvest Unit Boundary

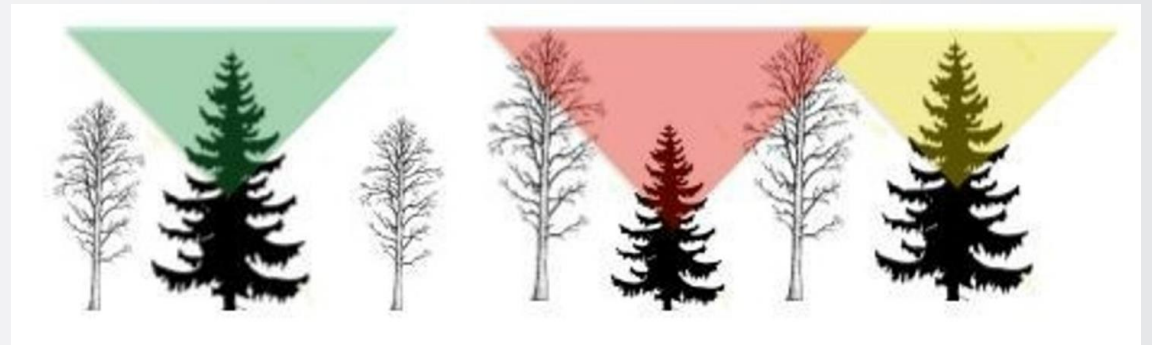
● Survey Point

○ Survey Plot



Reforestation Study: Methodology

- Assessed tree FTG status
- Fieldwork October 2023 – May 2024
- 64 harvest units surveyed
 - Fixed-area plot sampling method
 - QA/QC at 8 units
 - Offset protocol for unsuitable plots





Reforestation Study: Compliance Criteria

- Data analyzed to determine compliance for each harvest unit
- Units classified as either in **compliance** or **noncompliance** (binary response)
- Based on required Trees Per Acre (**TPA**), expressed in Seedling Equivalents per Acre (**SEq/A**).

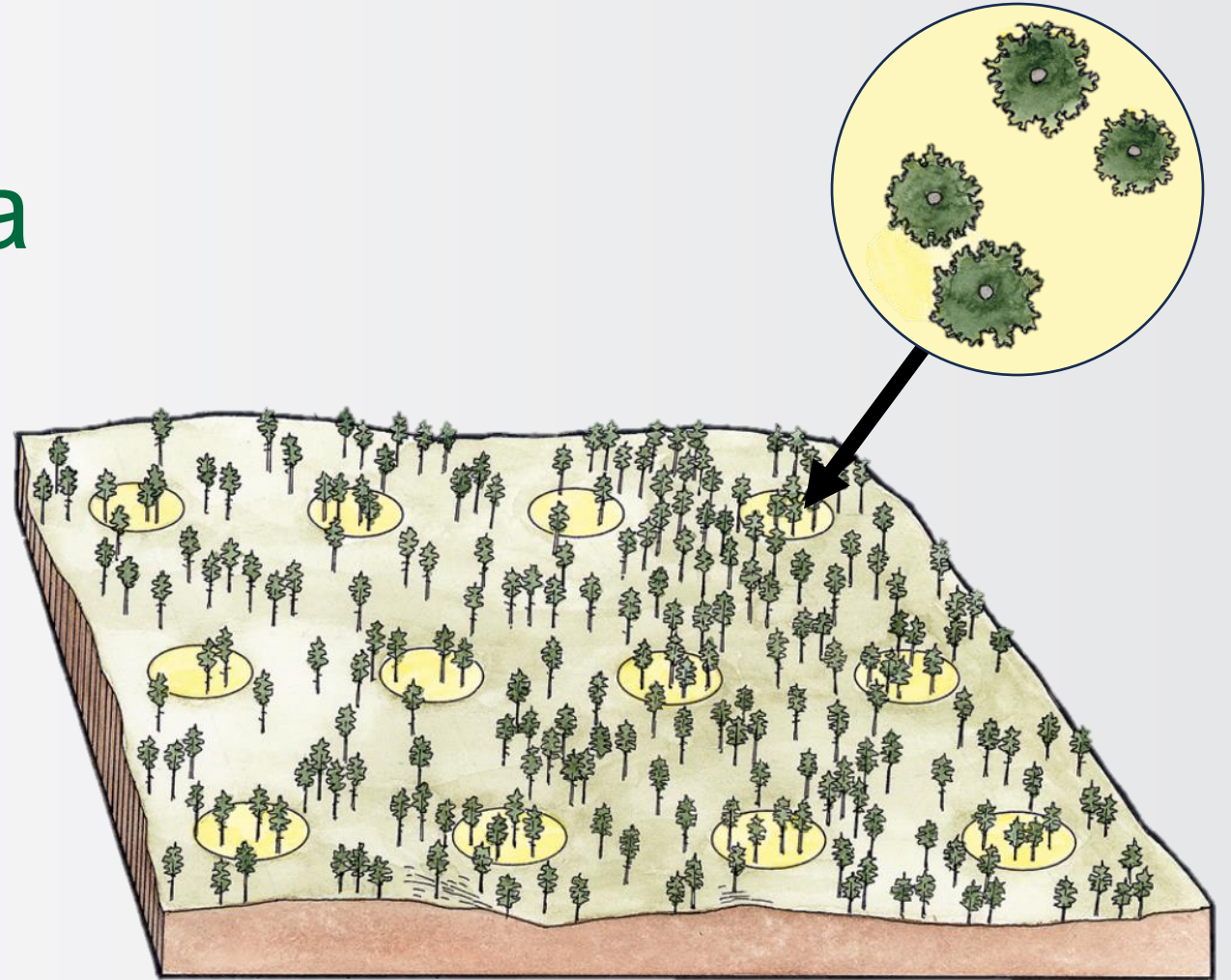


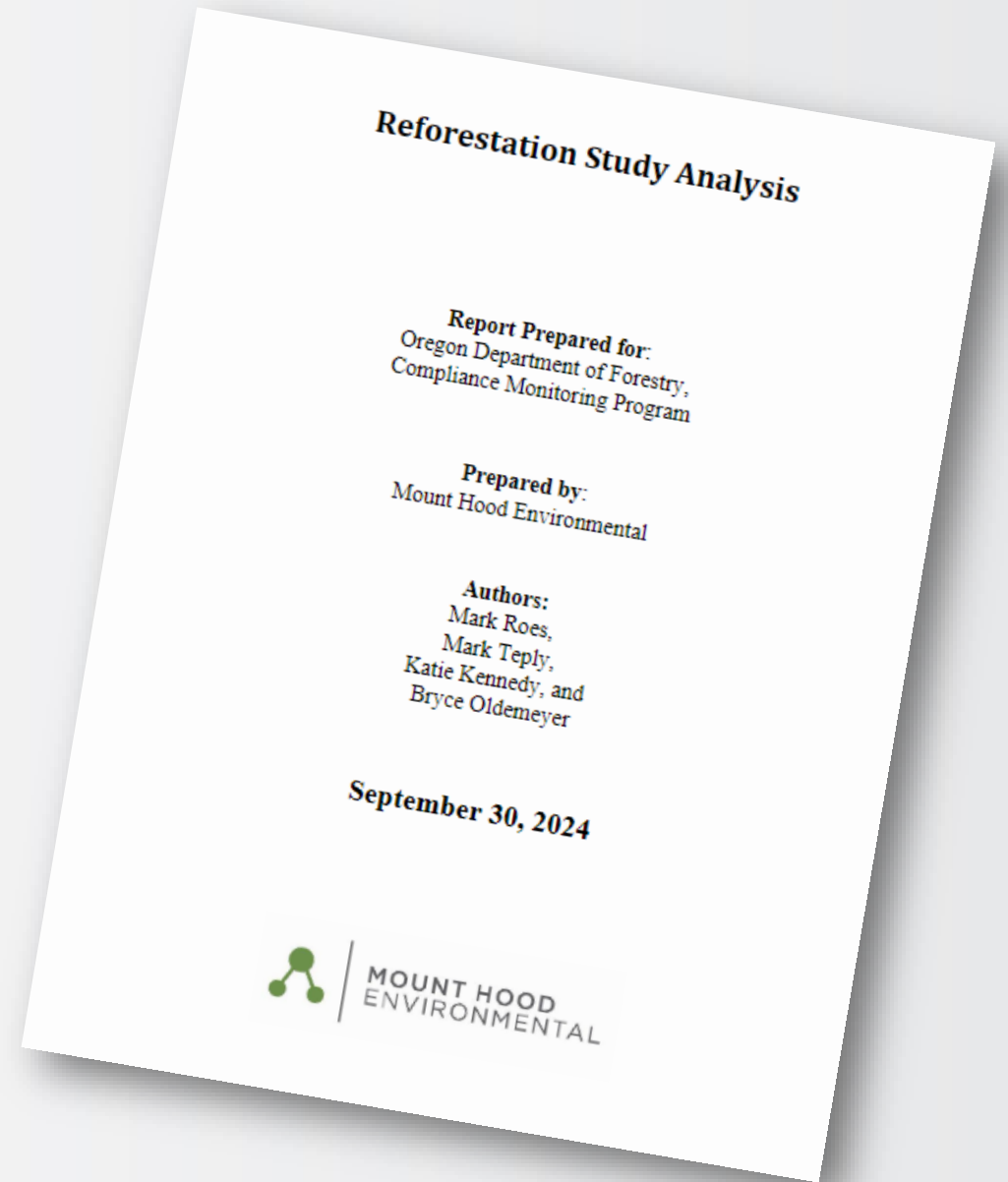
Image credit: Oregon Forest Resources Institute





Reforestation Study: Results

- Final report completed
September 30, 2024



Reforestation Study Analysis

Report Prepared for:
Oregon Department of Forestry,
Compliance Monitoring Program

Prepared by:
Mount Hood Environmental

Authors:
Mark Roes,
Mark Teply,
Katie Kennedy, and
Bryce Oldemeyer

September 30, 2024



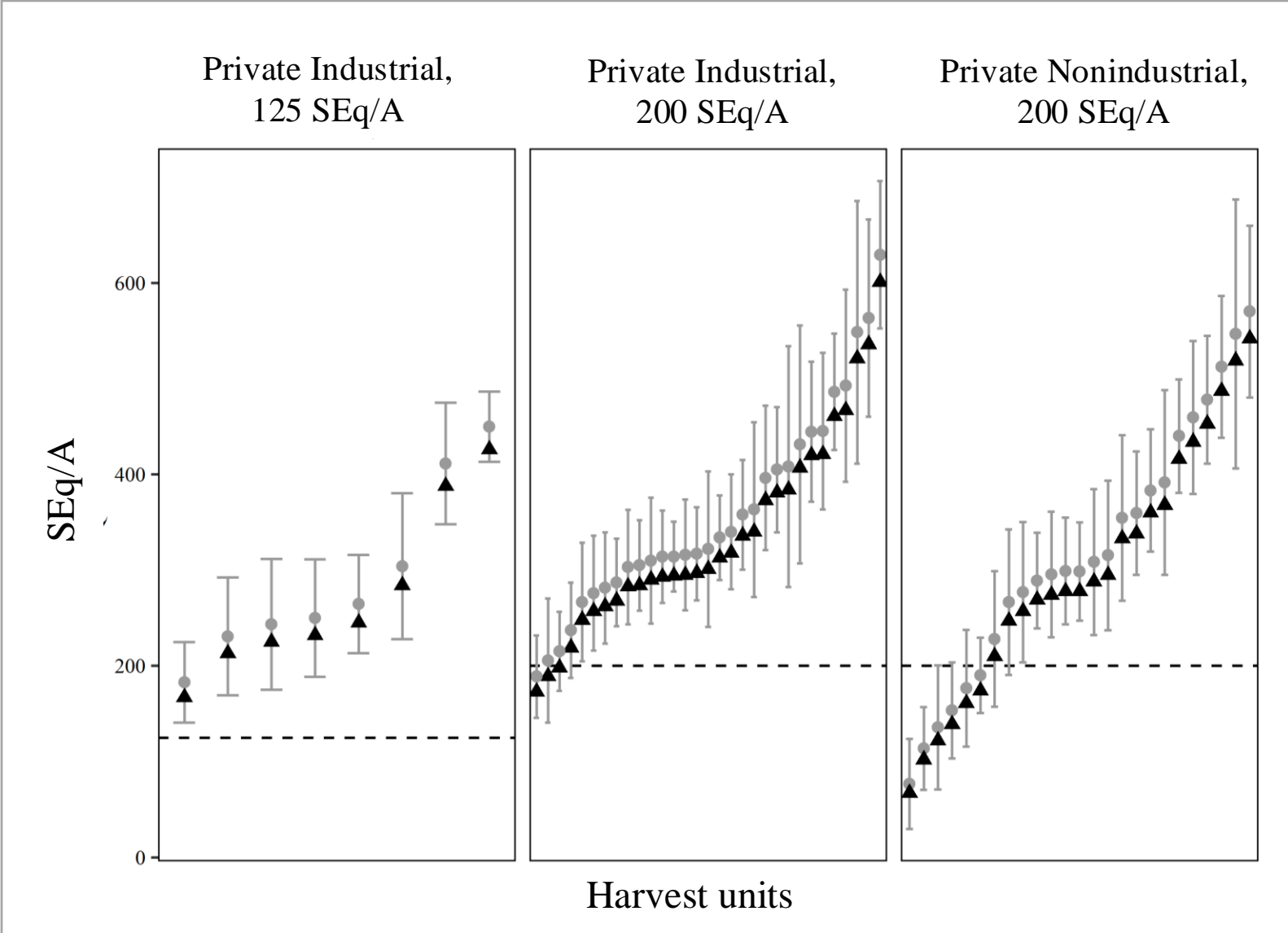
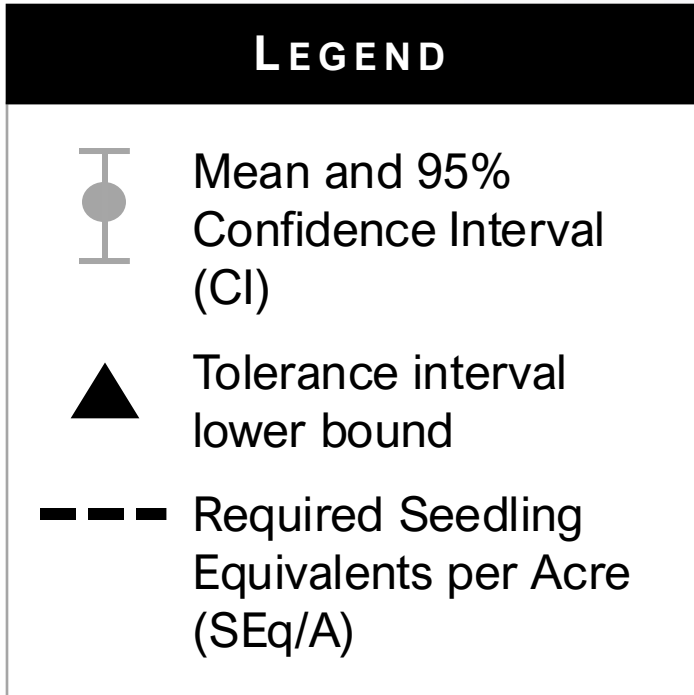
Reforestation Study: Results



Landowner Type	Required SEQ/Acre	Harvest Units (n=)	Compliance Estimate	95% Binomial Tolerance Interval
PI	125	8	100%	100% – 100%
PI	200	31	90.3%	76.6% – 100%
PI total	-	39	92.3%	80.9% – 100%
PNI	200	25	76%	55.2% – 94.8%
Overall	-	64	89.4%	76.3 % - 99.1%



Reforestation Study: Results





Reforestation Study: Next Steps

- Educate & Communicate



Compliance Monitoring Studies: **Riparian Study**





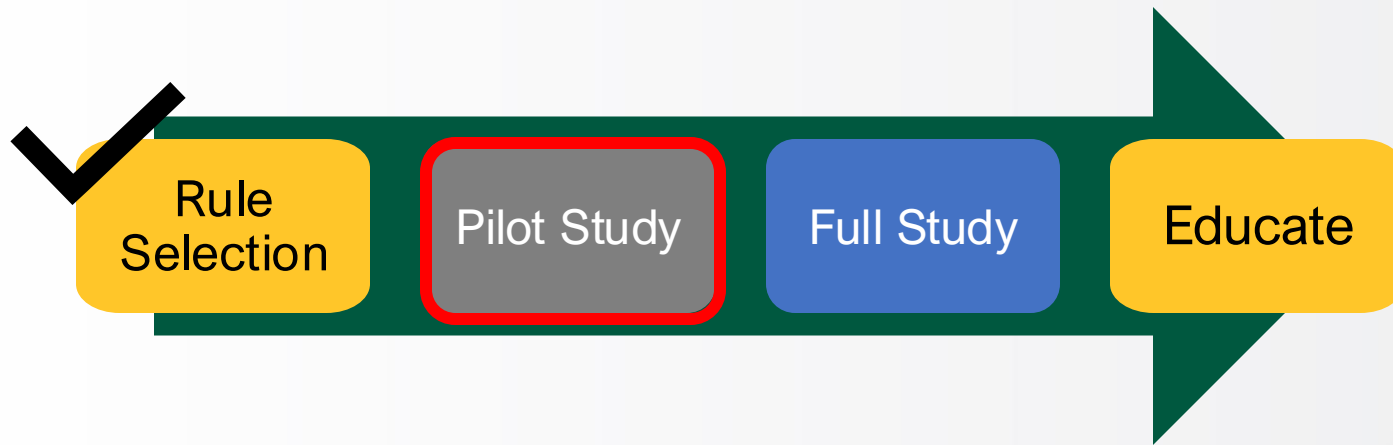
Riparian Study: Ruleset Overview

Division 643 Water Protection
Rules: Vegetation Along Streams





Riparian Study: Current Phase



- Finished rule selection
- Developing **Riparian Pilot Study Plan & Protocol**





Riparian Study: Next Steps

- Monitoring staff refine field methods
- Begin fieldwork & data collection for pilot study, Spring 2025.



Compliance Monitoring Studies: **Roads & Steep Slopes Study**





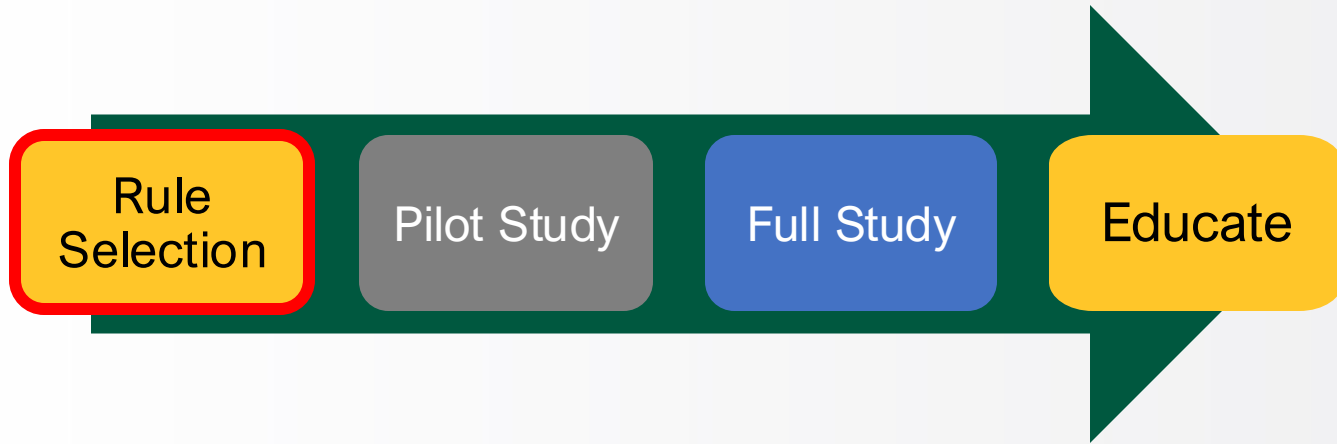
Roads & Steep Slopes: Ruleset Overview

- Division 625 Forest Road Construction & Maintenance
- Division 630 Harvesting on Steep Slopes





Roads & Steep Slopes: Current Phase



- ODF currently reviewing road & steep slope rules
- Internal review to be completed & submitted to CMPC, with final rule selection expected in Fall 2024.



FPA Rule



Study Question





Looking Forward

- **Reforestation Study**
 - Share final report results in Fall 2024
- **Riparian Pilot Study**
 - Refining field methods
 - Fieldwork & data collection begin in 2025
- **Roads & Steep Slopes Rule Selection**
 - Final rule selection in Fall 2024

Compliance Monitoring Program: **Conclusion**



Questions?

