

# Compliance Monitoring Program and the HCP

## Adaptive Management Program Committee Meeting

April 13, 2026

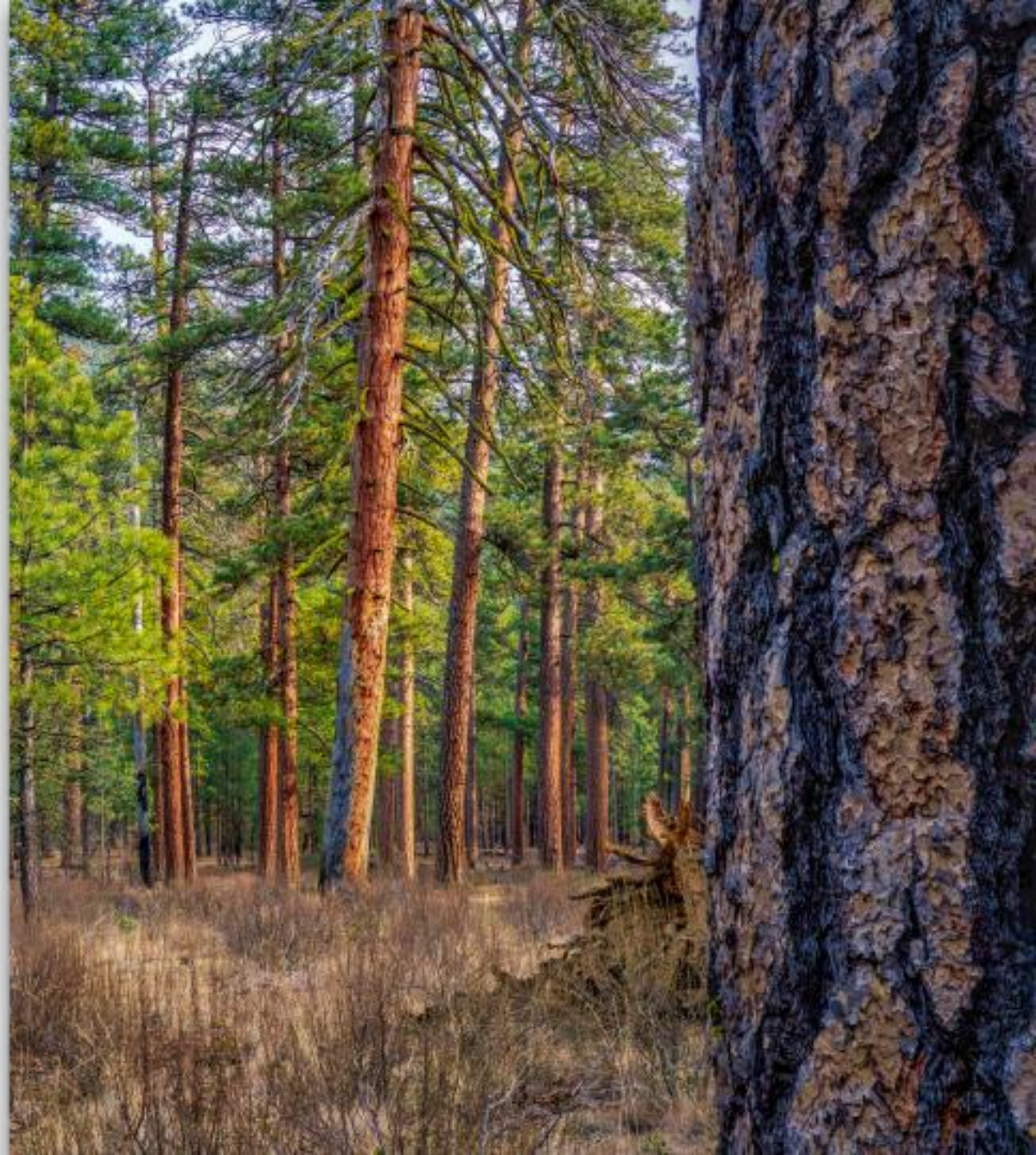


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# Topics

- Overview of Compliance Monitoring Program
- Role of Compliance Monitoring in the HCP
- Compliance Monitoring Studies





# Compliance Monitoring Program (CMP)

## Purpose & Goals (OAR 629-678-0000)

1. Monitor forest practice rule implementation & analyze compliance rates.
2. Assess Forest Practice Act (FPA) rule compliance & report findings
3. Provide information that will improve FPA rule compliance through training, guidance, clarification, & targeted enforcement, thereby increasing the public's trust in the implementation of the FPA & rules.



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





# CMP Rule Priorities

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

# Who Does What?

## Implementation Monitoring

### Compliance Monitoring

- Assesses compliance with forest practice rules
- Statewide statistical studies; no enforcement
- Informs education, outreach, & process improvement



### Stewardship Foresters

- Conduct site-specific inspections & enforcement
- Focus on high-risk, complex operations
- Provide technical assistance to landowners



### Effectiveness Monitoring

- Evaluates if rules achieve BGOs
- Works with AMPC & IRST
- Informs rule changes & guidance updates



# Compliance Monitoring and the Habitat Conservation Plan



# Key HCP Elements



Covered species



Covered activities



Biological goals and objectives



Conservation measures



Monitoring/adaptive management



Annual reporting to Services



# Biological Goals and Objectives (BGOs)

## Overarching goal:

Cool, clean, connected, and complex habitats for covered species



# Two Key Questions to Answer

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To what degree are conservation measures being implemented on the landscape?



- Enforcement
- **Compliance monitoring**

How effective are the conservation measures at making progress toward meeting the BGOs?



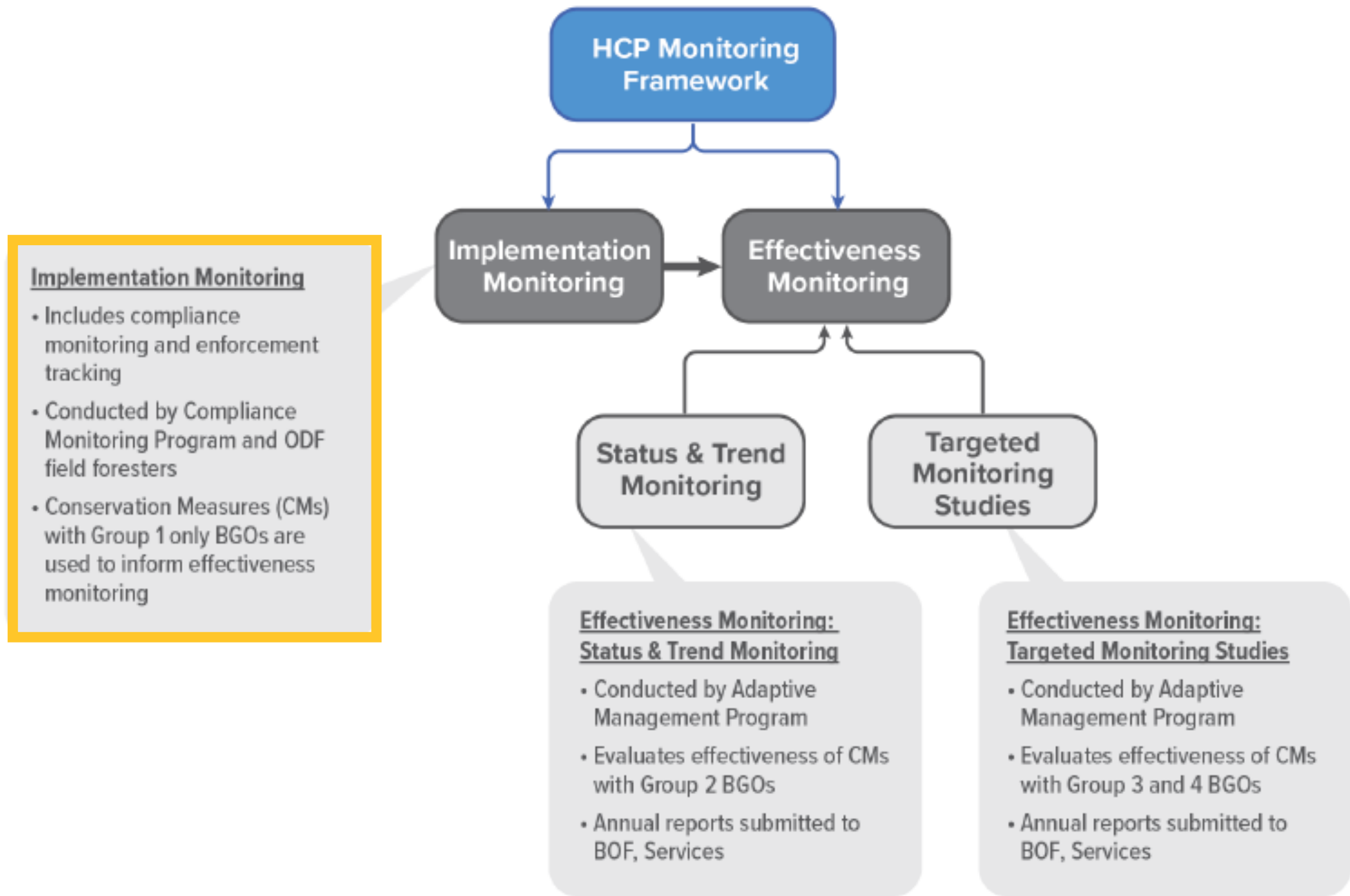
- Adaptive management



# Compliance Monitoring's Role in the HCP

- Evaluate overall implementation on the landscape
- Identify areas that need improvement
- Report results to Board of Forestry
- Contribute key information for:
  - Adaptive Management Program
  - HCP annual reports to Services





# BGOs - Application of Riparian Study

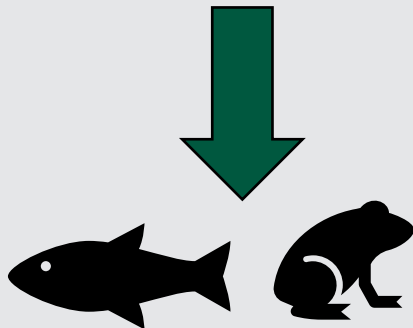


## Compliance Monitoring target ruleset:

Division 643 Water Protection  
Rules: Vegetation Along Streams




BGO target: all fish bearing  
streams and large and medium  
Np streams



## Western Oregon

### No harvest RMAs along target streams

- 1.1 and 2.1 Minimize sediment delivery
- 2.1 and 3.1 Maintain shade
- 5.1 Maintain habitat connectivity 
- 6.1 and 7.1 Maintain riparian function and complex habitats

## Eastern Oregon

### Tree retention along target streams

- 8.1 Minimize sediment delivery

# BGOs - Application of Roads Study



## Compliance Monitoring target ruleset:

Division 625 Forest Road  
Construction & Maintenance



BGO target: all fish bearing  
streams



## Western Oregon

### Maintain in-stream connectivity

- 4.3 Require new and existing crossings to meet standards

## Eastern Oregon

### Maintain in-stream connectivity

- 11.2 Require new and existing crossings to meet standards



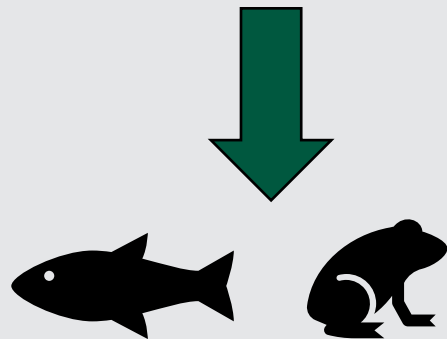
# BGOs - Application of Steep Slopes Study

## Compliance Monitoring target ruleset:

Division 630 Harvesting on Steep Slopes



BGO target: all streams



## Western Oregon

### Designated Debris Flow Transversal Areas

- 1.5 Minimize sediment delivery

# 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

Education & Outreach



# Collaborative Partners



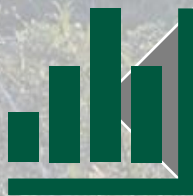
## Oregon Department of Forestry

- 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.



## Mount Hood Environmental

- External statistician assisting with study design & data analysis



# Rule Selection

- Which FPA rules can be translated into research questions for CMP studies?
- Prioritize rules
  - 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

# Current Compliance Monitoring Studies





# Compliance Monitoring Studies

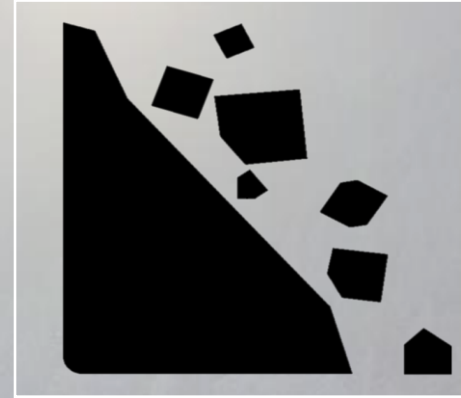
Riparian Rules



Road Rules



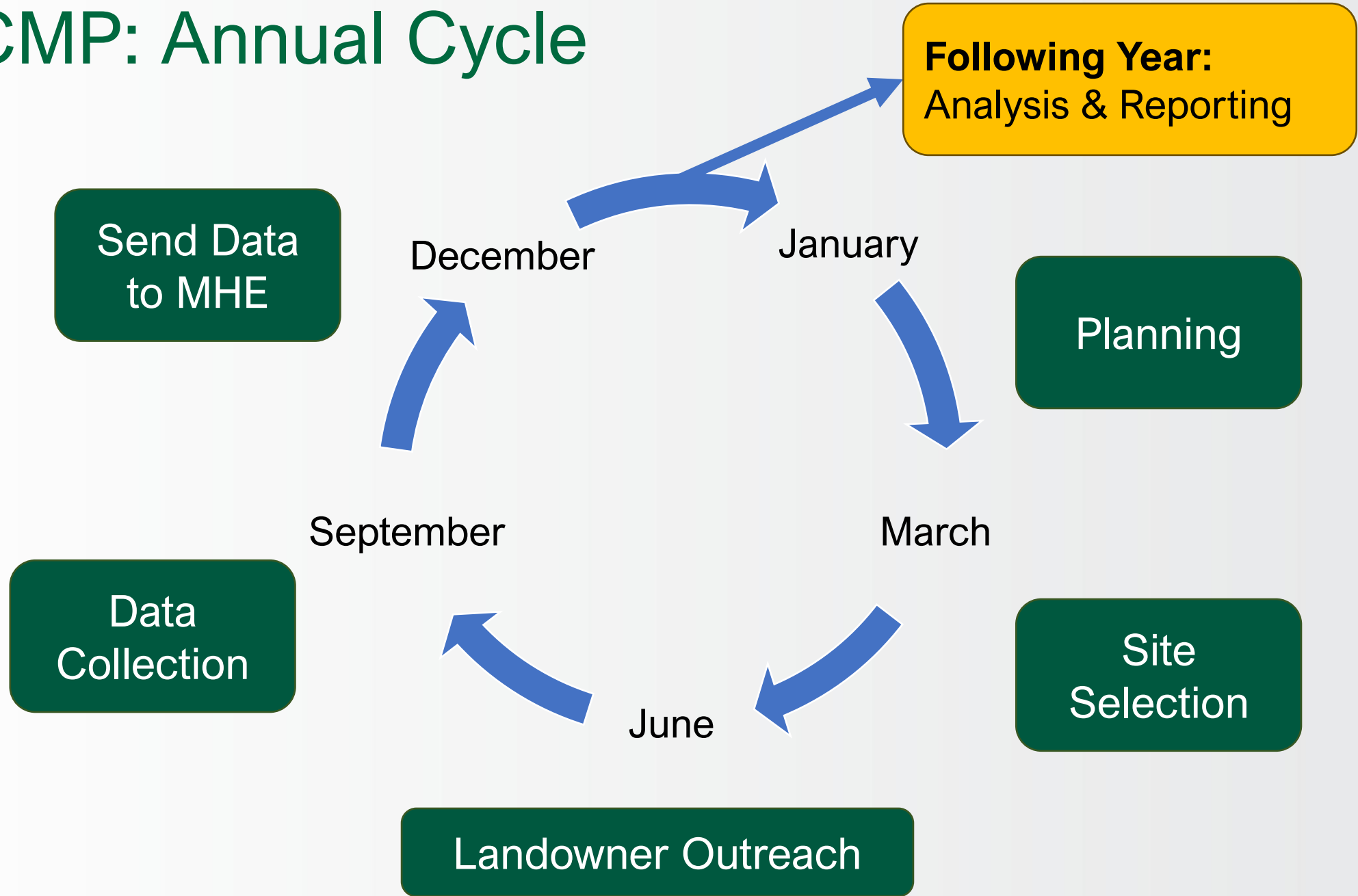
Steep Slopes Rules



In Progress



# CMP: Annual Cycle



# Compliance Monitoring Studies: **Riparian Pilot Study**

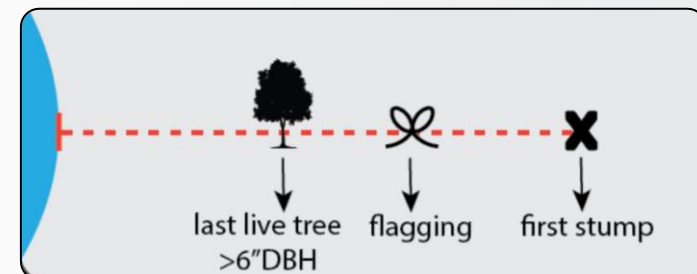




# Riparian Pilot Study: Ruleset Overview

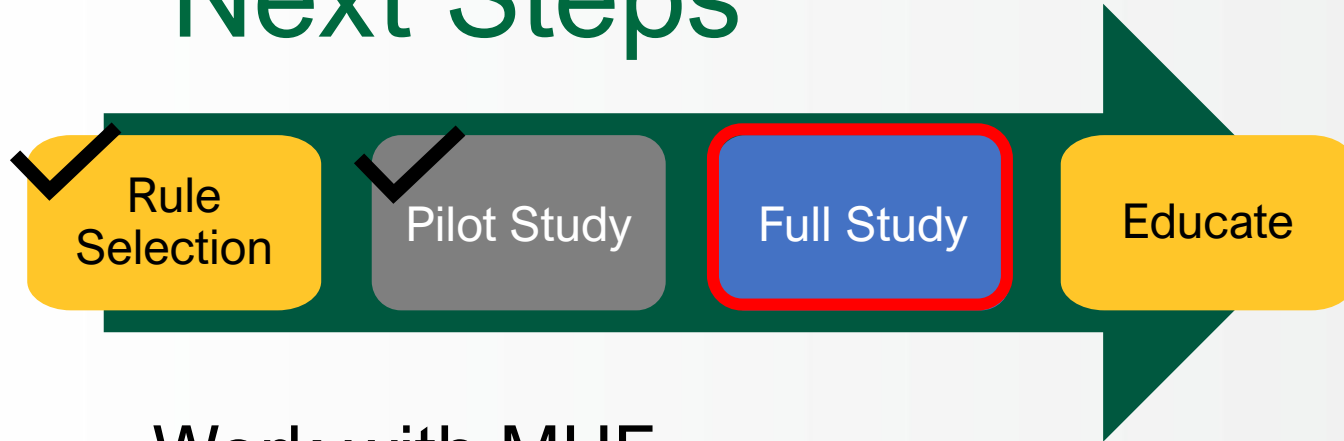
## Division 643 Water Protection Rules: Vegetation Along Streams

- **Pilot study** will refine methods that will be used in a future compliance monitoring study on stream buffer rules.
- Measure **Riparian Management Area (RMA)** widths from active channel to last live tree, flagging, & first harvested tree.

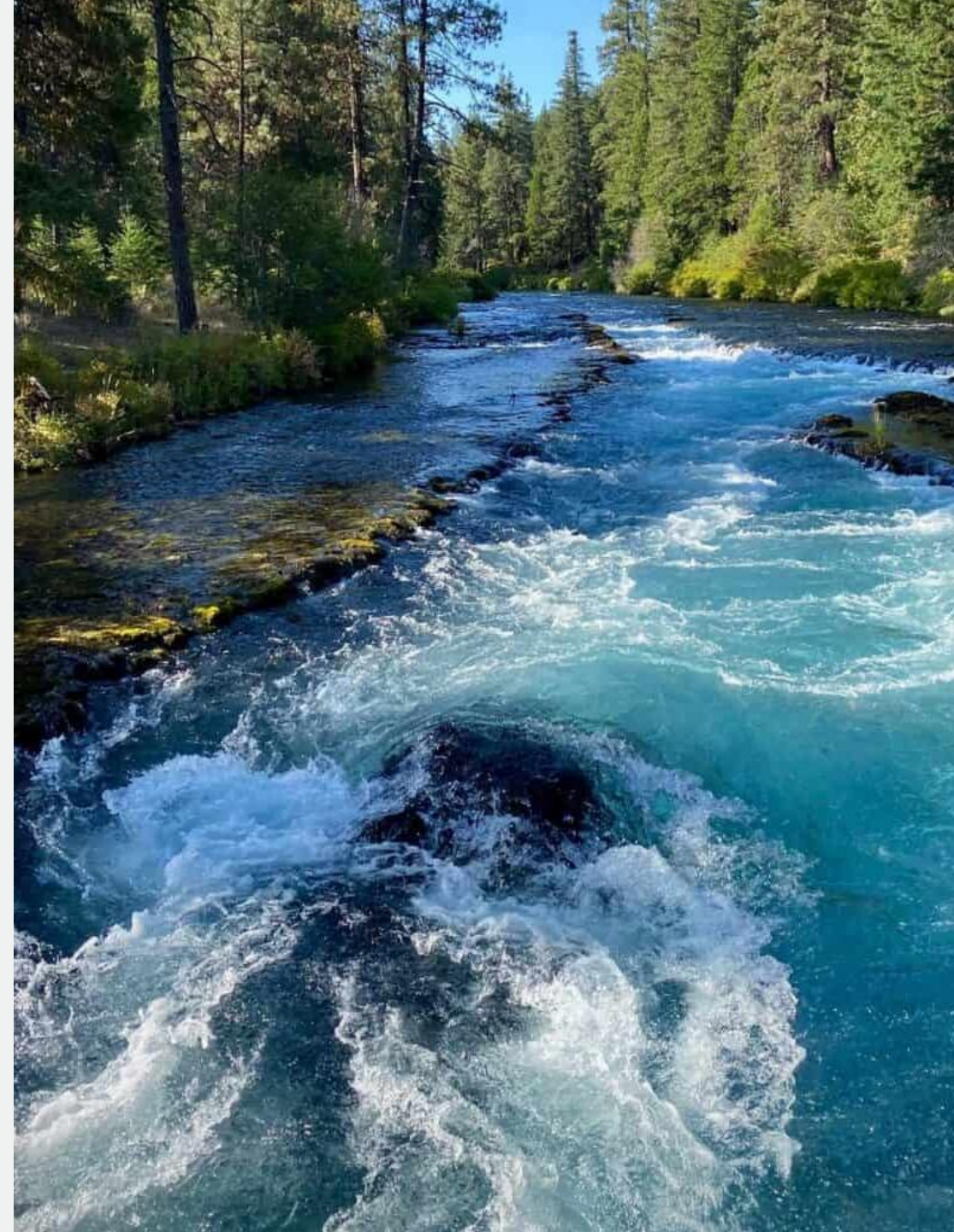




# Riparian Pilot Study: Next Steps



- Work with MHE
  - Provide MHE with lessons learned
  - Review MHE report
  - Determine methods changes (if necessary) for full scale study



# Compliance Monitoring Studies: **Roads & Steep Slopes Pilot Studies**





# Roads & Steep Slopes: Ruleset Overview

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



# Roads & Steep Slopes Pilots: Ruleset Overview



## Division 625 Forest Road Construction & Maintenance

Pilot Focus	Task	OAR
New & reconstructed <b>Water Crossings</b>	Assess completion of written plan	629-625-0100, 629-625-0320
	Collect field measurements	629-625-0320
New & reconstructed <b>Road Locations</b>	Review written plans for presence & characteristics of roads in critical locations	629-625-0100, 629-625-0200



## Division 630 Harvesting on Steep Slopes

Pilot Focus	Task	OAR
Designated Debris Flow Traversal Areas <b>(DDFTAs)</b>	Assess completion of written plan	629-630-0925
	Collect field measurements	629-630-0905, 629-630-0920

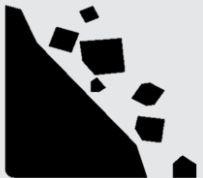
# Steep Slopes Pilot Study: Overview

## Designated Debris Flow Traversal Areas (DDFTAs)

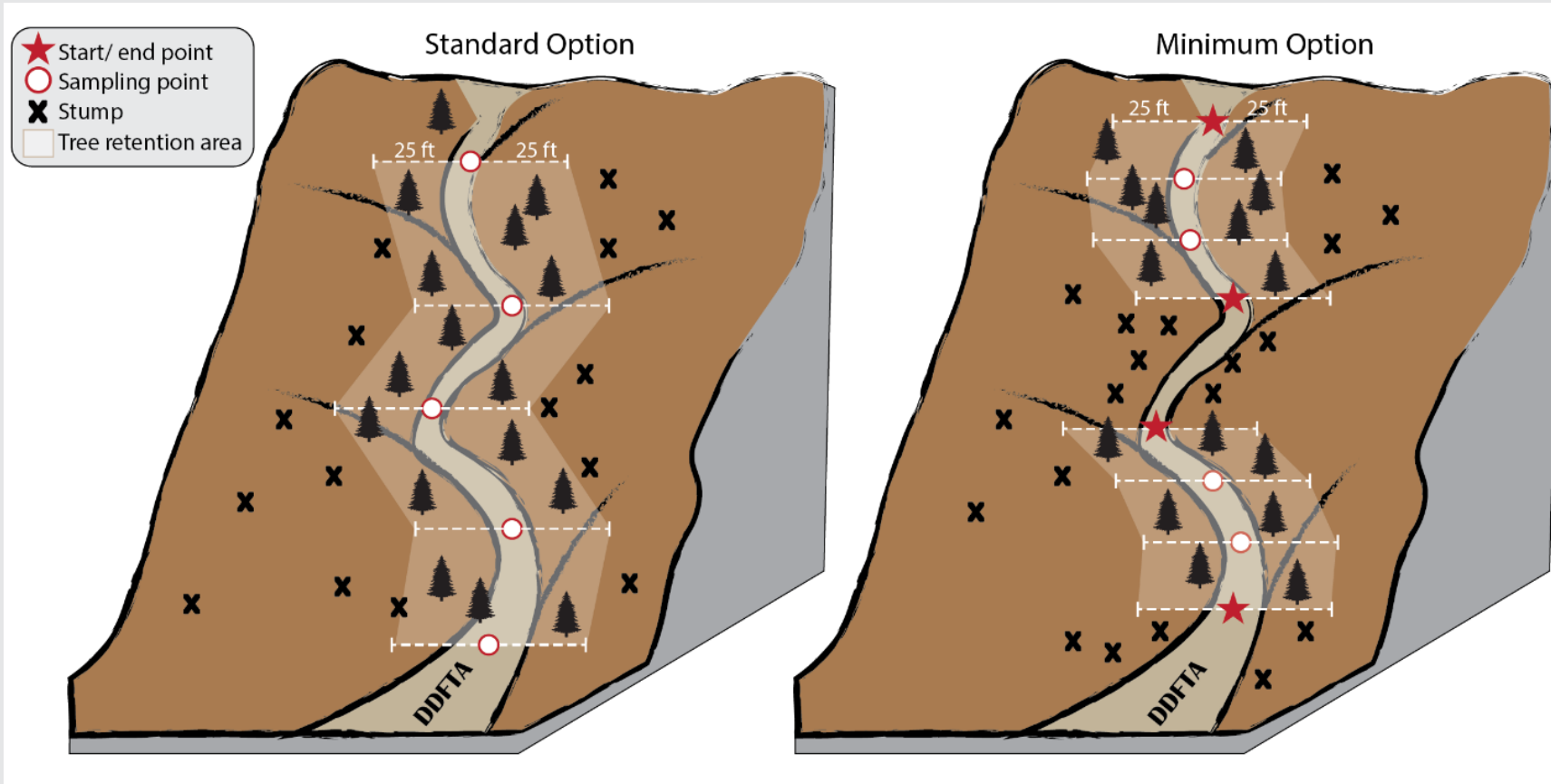
- Areas identified by the slopes model as most likely to deliver debris flows to Type F/SSBT streams. FPA rules require tree retention proximate to DDFTAs

## Approach

- Desktop review for written plan completion
- Field evaluation for tree retention on a random sample of harvest units with DDFTAs
- **Note:** Examined efficacy of remote sensing methods, but had concerns about canopy coverage and accurately identifying harvest in debris flows



# Steep Slopes Pilot Study: Field Methods



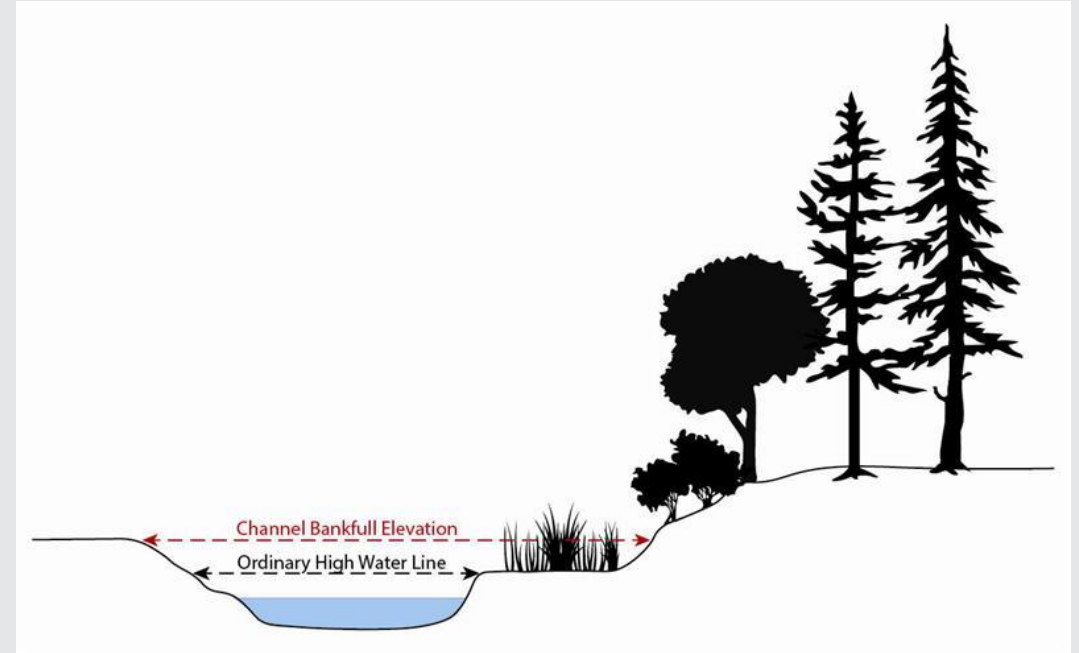
# Roads Pilot Study: Overview

- **New and reconstructed water crossings (bridges and culverts)**
  - Obtain a comprehensive perspective on water crossing implementation
  - Desktop review of written plans for completion
  - Conduct field surveys to evaluate rule applications for a range of water crossing rules
- **New and reconstructed roads**
  - Review written plans to calculate the **frequency** that road construction & reconstruction cross critical locations



# Roads Pilot Study: Field Methods – Water Crossings

- Access water crossings
- Conduct field measurements and measurements, including:
  - **Culverts:** length, diameter, height, gradient, bed material, fill material, road drainage
  - **Bridges:** span, height, surface material, curbs, fill material, road drainage
  - **Stream and streambank:** Channel width, gradient, substrate, bank conditions, erosion controls
- Photos to accompany measurements





# Five-Year Outlook: Monitoring Studies

Study	Timeframe
Riparian Pilot Study	Fall 2025 to Spring 2026
Roads & Steep Slopes Pilot Studies	Fall 2026 to Spring 2027
Riparian Study	Fall 2027 to Spring 2028
Roads & Steep Slopes Studies	Fall 2028 to Spring 2029
Riparian Study	Fall 2029 to Spring 2030

- Two-year reporting to Board of Forestry (i.e., BoF Meeting)
- 8-year aggregate cumulative report (Compliance Trends)

# Questions?

