

# Western Oregon State Forests Forest Management Plan Update

August 22, 2023 | Virtual Meeting Open to the Public



KEARNS WEST

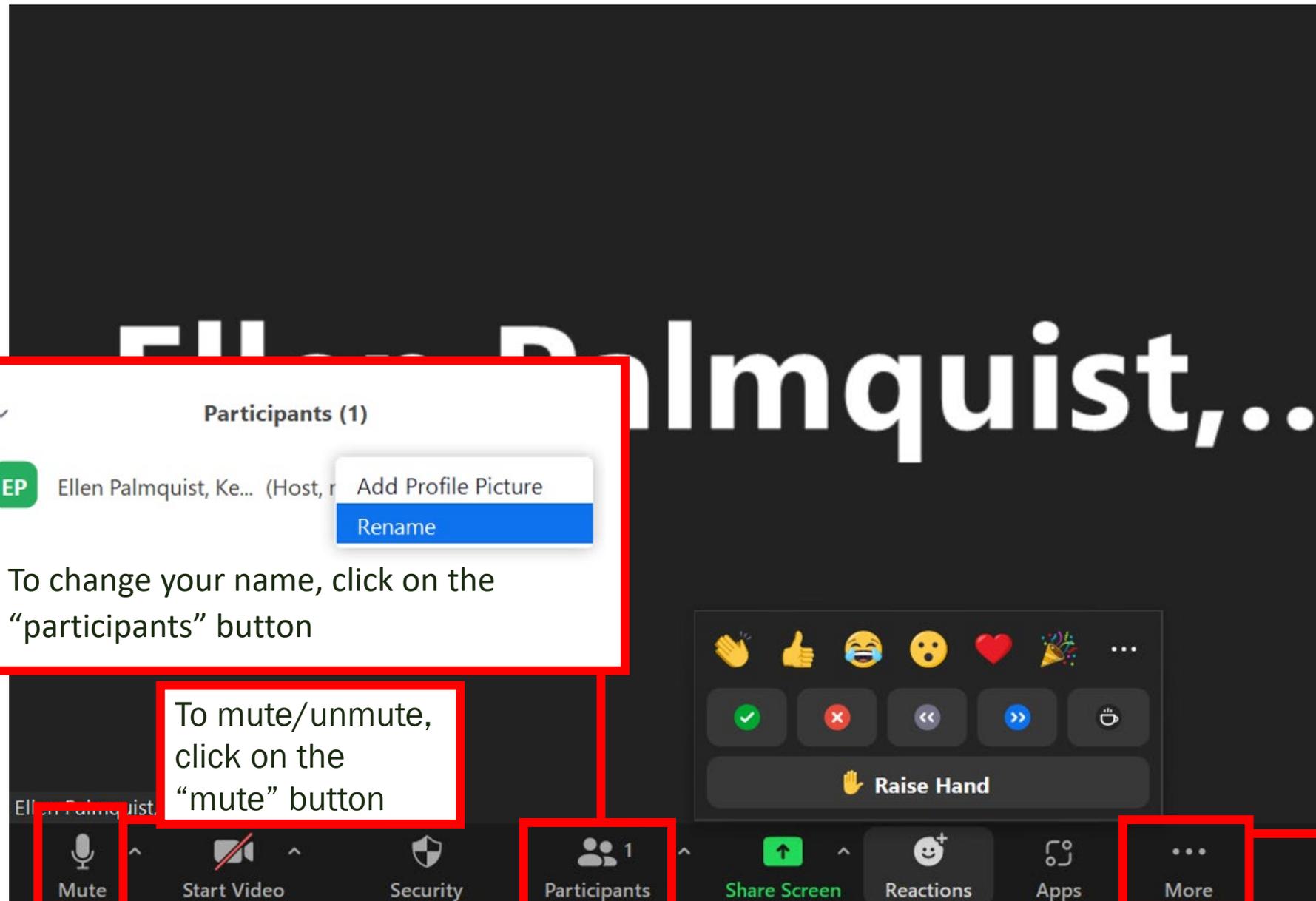


# REMOTE PARTICIPATION TIPS

- Keep yourself on mute when not speaking (\*6 on your phone)
- If you have a question or comment, use the “Raise Your Hand” button to get in the queue to speak, or press \*9 on your phone
- Use of video encouraged
- Say your name and affiliation before speaking
- Use the “Chat” feature for help troubleshooting any issues
- The meeting will include time for Q&A
- You can also email comments to: [tim.l.hoffman@odf.oregon.gov](mailto:tim.l.hoffman@odf.oregon.gov)



# ZOOM FEATURES



Participants (1)

EP Ellen Palmquist, Ke... (Host, r Add Profile Picture  
Rename

To change your name, click on the “participants” button

To mute/unmute, click on the “mute” button

To: Everyone ▾

Type message here...

Click on the “chat” button and use the dropdown to message Nicole Metildi for troubleshooting

# DISCUSSION GUIDELINES

- Honor the agenda
- Provide a balance of speaking time
- Listen to understand and ask questions to clarify
- Respect each other's viewpoints, values and interests
- Focus comments on topics at hand



# AGENDA

- Welcome, Introductions, and Agenda Overview
- Forest Management Plan Context and Development Process
  - Q&A and Discussion
- Draft Forest Management Plan
  - Q&A and Discussion
- Draft Adaptive Management Plan and Draft Performance Measures
  - Q&A and Discussion
- Summary and Next Steps
- Discussion on Topics of Interest (*11am-12pm, optional*)



# PARTICIPANT AFFILIATIONS POLL



# OPENING REMARKS

**Mike Wilson**

*ODF State Forests Division Chief*



# Draft Forest Management Plan

Context and Development Process



# HABITAT CONSERVATION PLAN

## Take Avoidance – Current

- Annual operational surveys
- Uncertain and inefficient
- Increasing species listings over time
- Increasing restrictions over time

## Incidental Take Permit – HCP

- Deliberate, planned conservation
- Specific focused monitoring
- Avoid, Minimize & Mitigate impacts to species
- Ensures ESA compliance for 17 species
- Provides operational certainty for 70 years



# GEOGRAPHIC AND POLICY CONTEXT

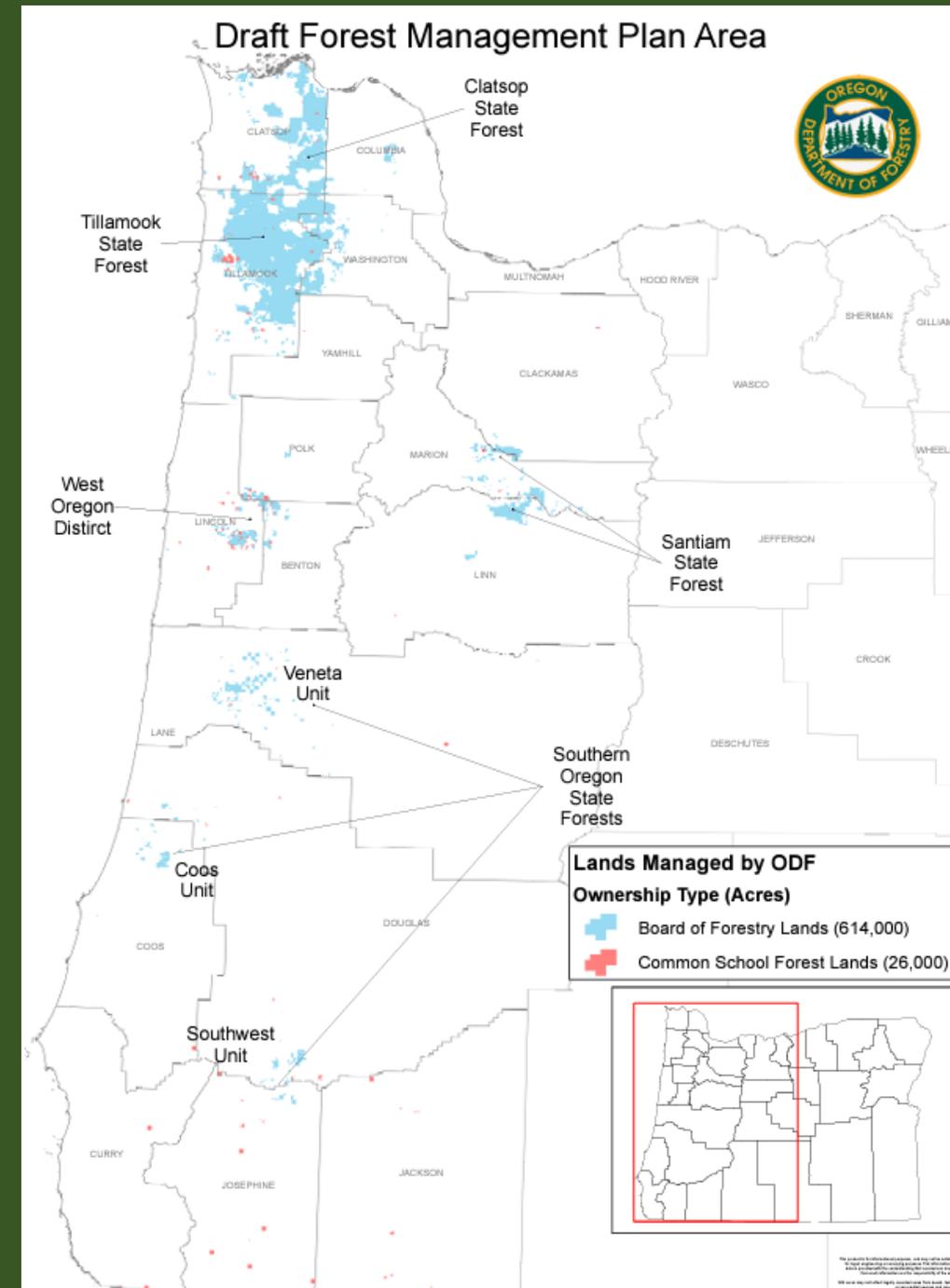
## Geographic Context

State Forest lands managed by ODF's State Forests Division in western Oregon

- 614,000 acres Board of Forestry Lands
- 26,000 acres Common School Forest Lands

## Policy Context

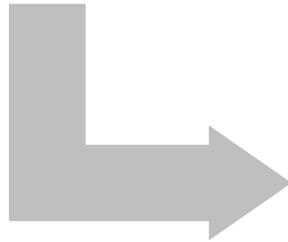
- Oregon Revised Statutes
- Greatest Permanent Value Rule
- State Forests Planning Rule
- Forest Land Management Classification System



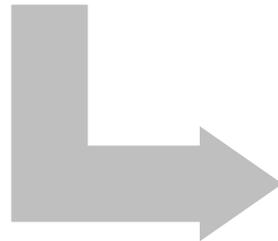
# PLANNING LEVELS



- The Forest Management Plan (FMP) provides overall **high-level** forest management goals & strategies
- The Habitat Conservation Plan (HCP) provides majority of conservation strategies



- Implementation Plans (IPs) are sub geographic plans with **mid-level** objectives, goals & plans



- Operations Plans (OPs) include **operational & project level** detail

# FMP ENGAGEMENT



Tribal Coordination – 6 Tribal Workgroup meetings, Aug 2021-April 2022; Continued Engagement



Forest Trust Lands Advisory Committee Engagement – Ongoing meetings



FMP Meetings Open to the Public – 5 Meetings, 50-70 attendees per meeting, May '21 – Feb '23



FMP Joint Stakeholder Meetings – 3 Meetings, 20-40 attendees per meeting, Aug – Dec 2021



FMP Strategies Public Feedback – 3,322 survey comments, 318 emails



Board of Forestry Engagement – Draft Management Approach, Draft Goals and Strategies



State Partner Engagement – Ongoing meetings with state agencies

# BOARD OF FORESTRY ENGAGEMENT

## Input from Board of Forestry members to date

- Guiding Principles - *approved*
- Draft Management Approach
- Draft Goals and Strategies
- Draft Guidelines

## Opportunities for future direction

- September 6 Board Meeting – Draft FMP, Draft AMP, and Draft Performance Measures

## Upcoming public comment opportunities

- September 6 Board Meeting – Draft FMP, Draft AMP, and Draft Performance Measures
- September 7 Board Meeting – Draft HCP
- Sign up and learn more at:  
[www.oregon.gov/odf/board/pages/bofmeetings.aspx](http://www.oregon.gov/odf/board/pages/bofmeetings.aspx)



# Q&A



# Draft Forest Management Plan



# FMP COMPONENTS

INTRODUCTION

MANAGEMENT APPROACH

FOREST RESOURCES, GOALS, AND STRATEGIES

GUIDELINES



# GREATEST PERMANENT VALUE (GPV)

- ORS 530.050, ORS 629-035-0020
- GPV means “healthy, productive, and sustainable forest ecosystems that over time and across the landscape provide a full range of social, economic, and environmental benefits to the people of Oregon”.



# FMP MANAGEMENT APPROACH

- Vision for how the forest is managed
- How GPV is achieved
- Addresses Key Themes:
  - Sustainability
  - Climate Change
  - Diversity, Equity, Inclusion
  - Adaptive Management
- Landscape context



# GPV AND ECOSYSTEM SERVICES

Provisioning services: food, fuel, timber, special forest products, mineral sources, clean air and water

Regulating services – water, climate, carbon, disease

Supporting services – nutrient cycling , soil formation, primary productivity, biodiversity

Cultural services – recreational, aesthetic, spiritual, and scientific benefits and values



# ECOSYSTEMS

## Ecosystem Services

### Provisioning Services

Timber products, special forest products, food, energy and mineral sources, clean air and water

### Regulating Services

Water quality, water yield, flood mitigation, climate change mitigation, and carbon storage

### Cultural Services

Recreational, educational, aesthetic, spiritual, and scientific benefits

### Supporting Services

Nutrient cycling, soil formation, pollination, seed dispersal, and regional biodiversity

## Services to Ecosystems

### Protecting Services

Fish and wildlife habitat protection, integrated pest management, riparian and water protection, soil protection, ecologically sustainable harvest

### Enhancing Services

Thinning, seedling selection, nutrient cycling

### Restoring Services

Wildlife habitat improvement projects, stream enhancement, promoting carbon storage

### Supporting Services

Cultural and natural resources stewardship practices, culturally significant species ethnobotanical strategy, native seed sources

Reciprocity

# HUMANS

## Ecologically Sustainable Forest Management

*Promotes healthy, resilient, productive, sustainable forest ecosystems through:*

### Conservation Emphasis Areas Distributed Considering a Landscape Context

- Riparian conservation areas
- Habitat conservation areas
- Protected wetlands
- Protected steep slopes
- Strategies for species of concern

### Management of Landscape Conditions

- Composition and structural diversity
- Location of harvest units and roads
- Habitat connectivity

### Management of Stands

- Young stand management
- Thinning
- Regeneration harvests
- Retention of legacy structures in all harvests
- Integrated pest management

*To provide:*

### Social, Economic, and Environmental Ecosystem Services

- Recreation, education, and interpretation opportunities
- Sustainable and predictable production of forest products that generate revenue and support the economy
- Properly functioning aquatic habitats for native fish and aquatic life, habitats for native wildlife, productive soil, clean air and water, and protection against floods and erosion

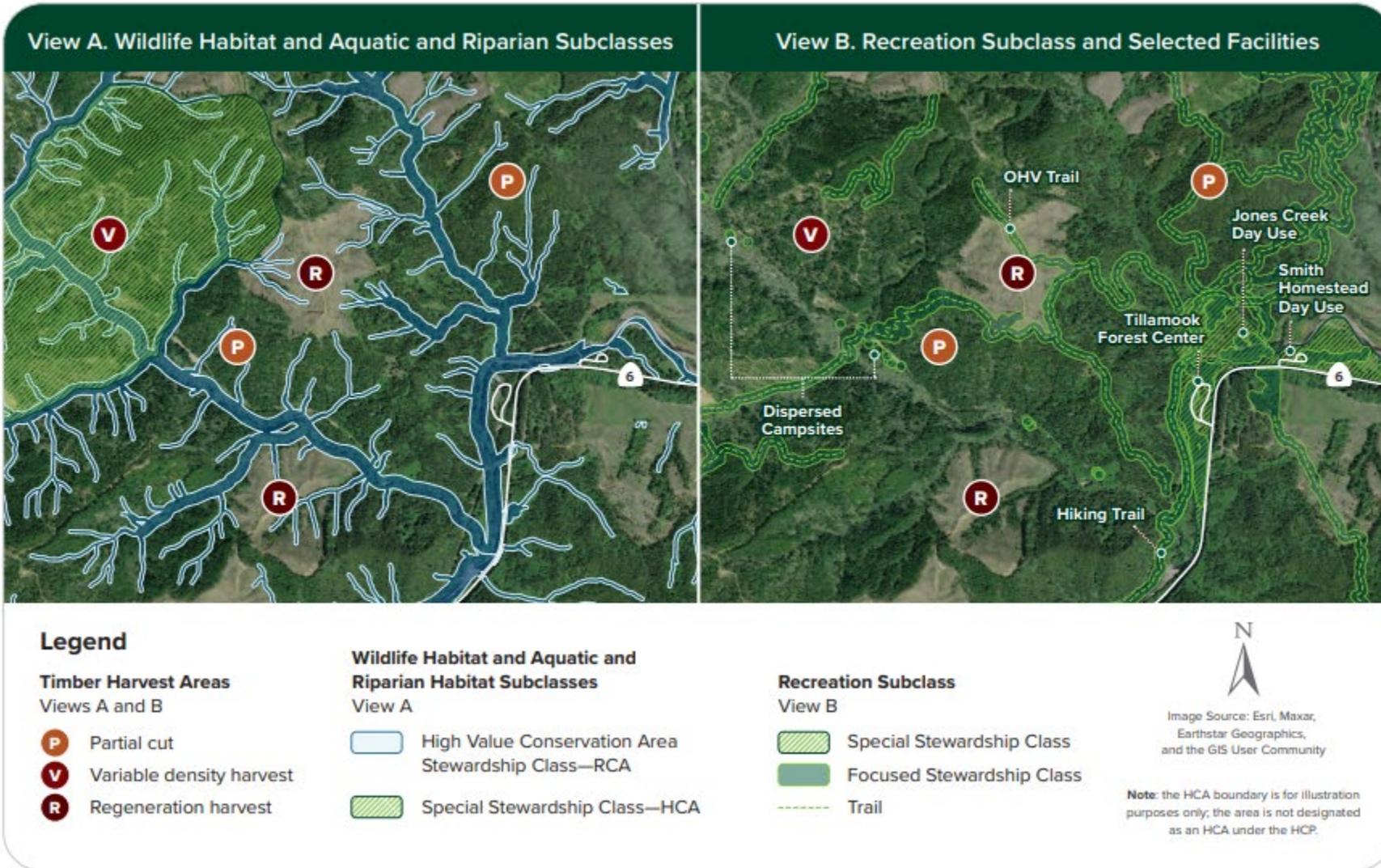
# EMPHASIS AREAS AND FLMCS

- Resilience and Adaptive Capacity
- Forest Land Management Classification System (FLMCS)
  - General Stewardship
  - Focused Stewardship
  - Special Use Areas
  - High Value Conservation Areas
- Recreation, Education, and Interpretation
- The whole forest is a working forest, working to provide all elements of GPV.



Examples of Emphasis Areas across the Landscape

Active management is integrated across the landscape guided by resource management emphasis areas.



# FOREST RESOURCES

- Timber Management
- Transportation
- Cultural and Historical Resources
- Recreation, Education, and Interpretation
- Visual Resources
- Special Forest Products
- Mining, Agriculture, Grazing, Administrative Sites
- Soils and Geology
- Carbon
- Air Quality
- Aquatic and Riparian Resources
- Wildlife Habitat
- Sensitive Plants



# RESOURCE GOALS

- Provide a sustainable and predictable supply of *timber* that provides for economic opportunity, jobs, and availability of forest products.
- Manage the *transportation* system in a manner that provides for resource protection, transportation efficiency, safety, and sound fiscal management while meeting forest management objectives.



# RESOURCE GOALS

- *Tribal access and use* of natural resources - In coordination with federally recognized Tribal governments of Oregon, ODF will provide access, availability, and enhancement of cultural resources and natural resources for their membership on state forest lands.
- *Tribal cultural resources protection* - Take an inclusive and proactive approach to working with Tribes to identify, record, preserve, protect, and keep confidential culturally significant resources, including but not limited to archaeological and historic sites and objects, considerations for human remains, historic artifacts, and real property.
- *Historic cultural resources protection* - Identify and protect historic cultural resources.



# RESOURCE GOALS

- Provide forest recreation, education, and interpretation opportunities to create meaningful and enjoyable experiences that foster appreciation and understanding of state forest lands and contribute to community health, sustainable working forests, and economic wellbeing.
- Manage forests in ways that value scenery and a range of forested settings to meet emphasis area management objectives.
- Provide opportunities for sustainable harvest of special forest products for recreational, personal, and commercial use.



# RESOURCE GOALS

- Permit mining, agricultural use, administrative sites, and livestock grazing when these uses are compatible with other forest resource goals
- Maintain natural soil processes, protect soils from damage, and increase soil carbon and other nutrients.
- Contribute to carbon sequestration and storage on state forest lands and carbon storage in harvested wood products



# RESOURCE GOALS

- Maintain and protect healthy *air quality*.
- Protect, maintain, and enhance *aquatic and riparian resources* that support the life history needs of aquatic and riparian-dependent fish and wildlife species.
- Protect, maintain, and enhance forest *drinking water* sources for private and domestic use.
- Maintain, protect, and enhance functional and resilient landscapes that provide the variety and quality of habitat types and features necessary for long-term persistence of all native *wildlife* species.



# STRATEGY EXAMPLE (TIMBER)

- Determine a *sustainable harvest objective* during IP development and complete this harvest objective with predictable year-to-year timber supply over the life of the IP.
- Implement a timely response to natural disturbances (fires, windstorms, ice storms, etc.) to *salvage merchantable timber*, based on the management emphasis of the affected areas and operational policy.
- In general stewardship land, *silvicultural prescriptions* will be designed for sustainable timber production and economic performance, whereas in HCAs, silvicultural prescriptions will be designed for resilient wildlife habitat.



# FMP GUIDELINES: OVERVIEW

Guidelines generally describe how assets will be maintained or enhanced and how spending will be prioritized to achieve the resource management goals and strategies

Additionally, the guidelines describe:

- Plan Implementation
- Adaptive Management
- Plan Revision Process and Public Engagement



# FMP GUIDELINES: PUBLIC ENGAGEMENT

PLAN LEVEL	PUBLIC ENGAGEMENT AREAS
Adaptive Management Plan	Provide comment on performance measures at Board of Forestry Public Meetings
Implementation Plan	Levels and types of planned management activities
	Priorities and general location of planned management activities
Operations Plans	Suggestions to improve efficiency and effectiveness
	Clarify how planned operations are described
	Offer solution-oriented comments to further achieve Greatest Permanent Value

# FMP MODELING

## 4 Different Harvest Scenarios

1. Maximum even flow of timber volume
2. #1 but with longer rotations
3. Maximum Net Present Value  
(even flow of timber)
4. Maximum Net Present Value  
(uneven flow of timber)

## 2 Different Geographic Scales

- District by District – current practice
- Geographic Regions
  - North Coast
  - Willamette
  - Southern Oregon



# Q&A and Discussion



# Draft Adaptive Management Plan & Draft Performance Measures



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**FMP DIRECTION**  
Board of Forestry

**FMP**

- Guiding principles
- Management approach
- Goals and strategies
- Guidelines for asset management, implementation, and adaptive management

**Board of Forestry Review of FMP Performance**

- Performance measures
- Measurable outcomes

**Habitat Conservation Plan**

**Forest Land Management Classification System**

**Policy Standards**

**Adaptive Management Plan** ★

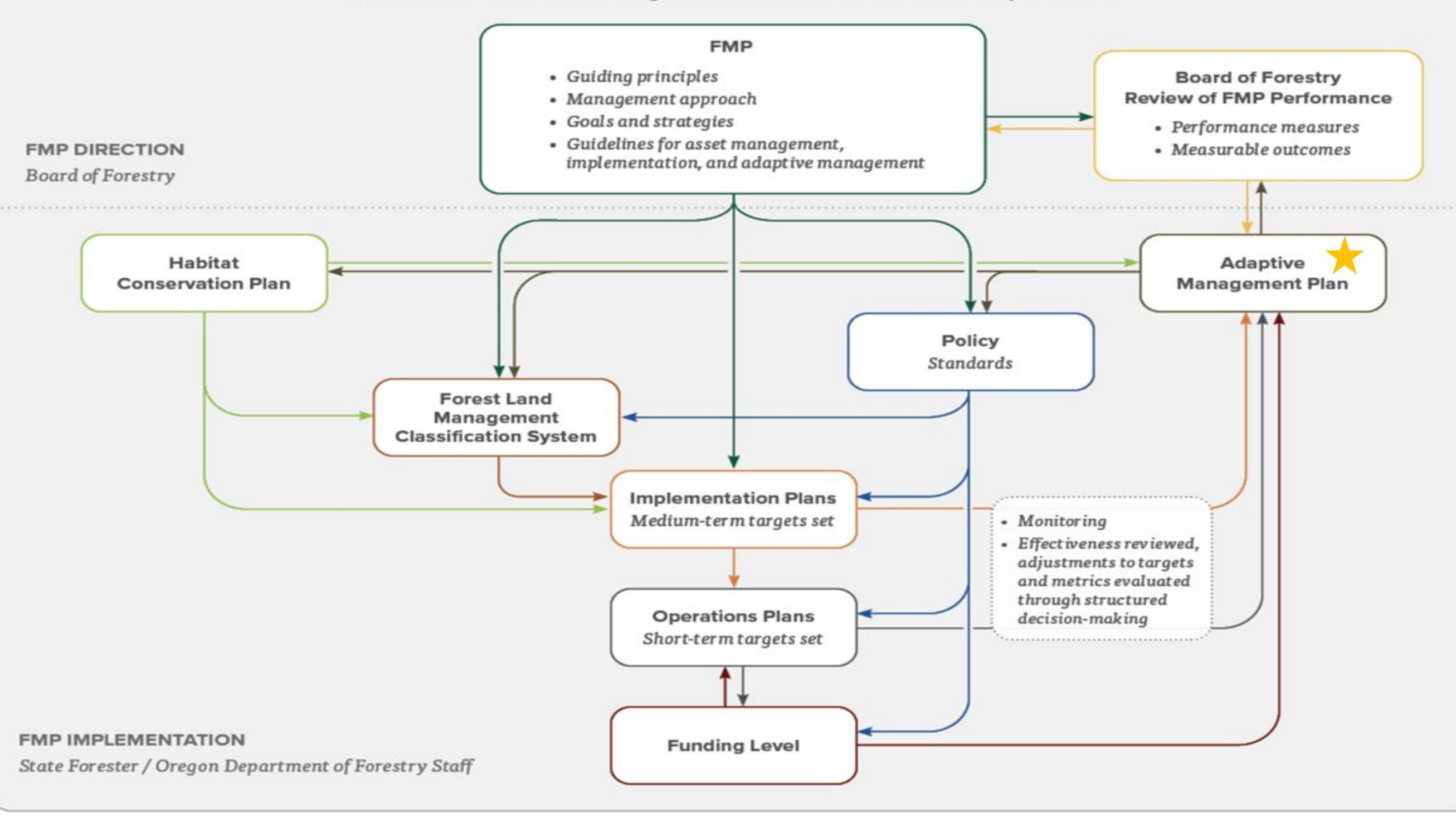
**Implementation Plans**  
Medium-term targets set

**Operations Plans**  
Short-term targets set

**Funding Level**

• Monitoring  
• Effectiveness reviewed, adjustments to targets and metrics evaluated through structured decision-making

**FMP IMPLEMENTATION**  
State Forester / Oregon Department of Forestry Staff

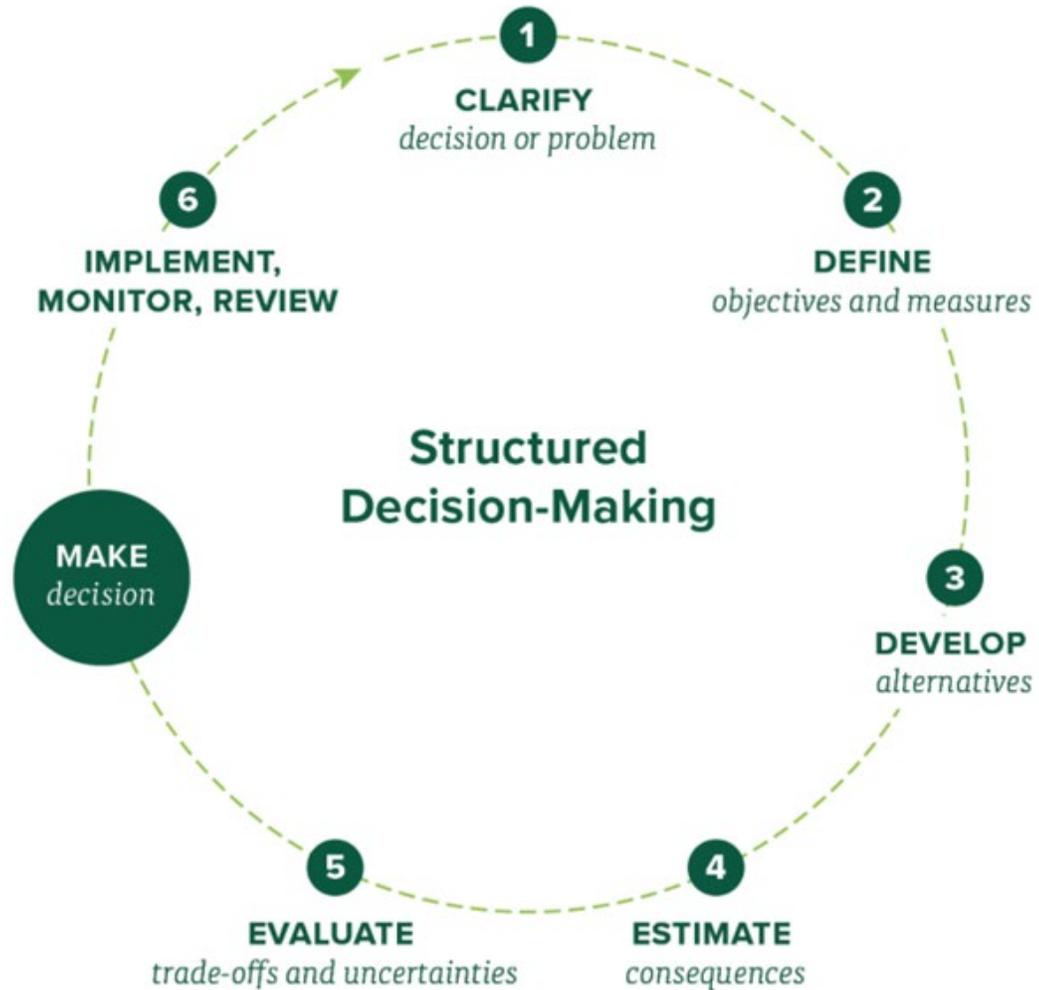


# FMP GUIDELINES: ADAPTIVE MANAGEMENT

The process of implementing plans in a scientifically based, systematically structured approach that tests and monitors assumptions and predictions in management plans and uses the resulting information to improve the plans or management practices used to implement them (OAR 629-035-0000(2)).



# FMP GUIDELINES: STRUCTURED DECISION MAKING



# FMP GUIDELINES: ADAPTIVE MANAGEMENT PLAN

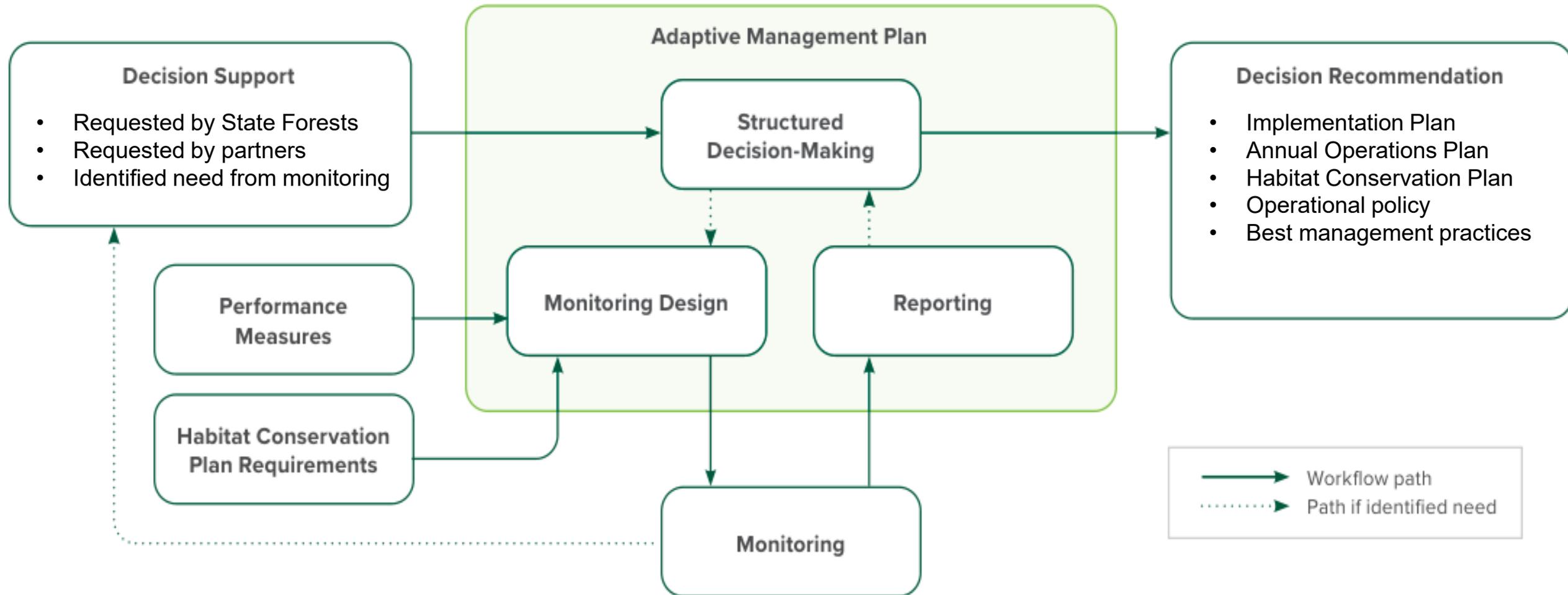
The Adaptive Management Plan (AMP) is the workflow for:

- Facilitating decision analysis and adaptive management
- Designing monitoring projects
- Reporting monitoring results and decision-making products
- Identifying and integrating information and decision needs within State Forests

Note: State Forests' AMP is not part of the Private Forest Accord's Adaptive Management Program Committee in ODF Forest Resources.



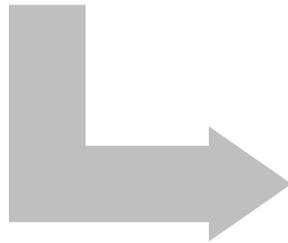
# ADAPTIVE MANAGEMENT PLAN WORKFLOW



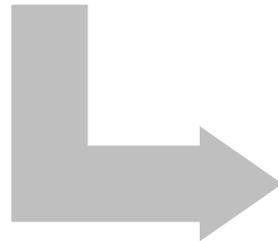
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- The **Forest Management Plan (FMP)** provides overall high-level forest management goals & strategies
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- **Implementation Plans (IPs)** are sub-geographic plans with mid-level objectives, goals & plans

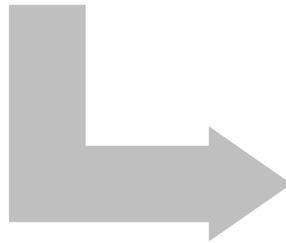


- **Operations Plans (OPs)** include operational & project level detail

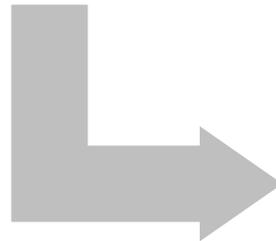
# MONITORING ACROSS LEVELS



- **Performance Measures (PMs)** provide the Board and the public with high-level forest management outcomes
- **Compliance monitoring and effectiveness monitoring** for the Habitat Conservation Plan



- Mid-level monitoring objectives, project prioritization, and targets set during Implementation Plans
- Example: post-fire monitoring in Santiam

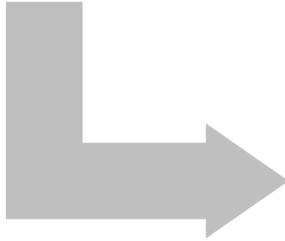


- Project level details in Monitoring Plans

# DECISION SUPPORT ACROSS LEVELS

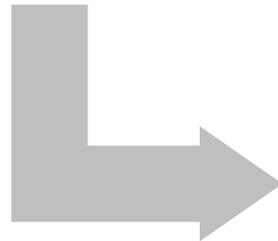
**FMP &  
HCP**

- The Board asks for an analysis for why a performance measure is not meeting a target value or trend.
- Adaptive management coordinated with Federal permitting agencies to meet biological goals and objectives.



**IPs**

- Targets from past IP periods evaluated and management adjusted for the next IP.



**OPs**

- Monitoring may show more effective ways to manage resources and best management practices are updated.

# BOARD PERFORMANCE MEASURES (PMs)

- Adaptive Capacity of Forests
- Aquatic Habitat
- Carbon Storage
- Community Engagement and Public Support
- Division Finances
- Economic Opportunities
- Financial Support for Counties
- Harvest and Inventory
- Recreation, Education, and Interpretation Opportunities
- Terrestrial Habitat



# FOREST DEVELOPMENT PMs

## Adaptive Capacity of Forests

- Size classes, composition, stand structure
- Growth rates of tree species by region

## Harvest and Inventory

- Harvest volume
- Inventory growth and projections for Implementation Plans

## Carbon Storage

- Live trees
- Harvested wood products
- Other carbon pools



# SOCIAL AND ECONOMIC PMs

## Financial Support for Counties

- Annual revenue share

## Division Finances

- 6-12 months of operating expenses in the Forest Development Fund

## Economic Opportunities

- Jobs and wages in timber and other industries

## Recreation, Education, and Interpretation Opportunities

- Visitor use and interests

## Community Engagement and Public Support

- Surveys of local and statewide communities



# ENVIRONMENTAL PMs

## Aquatic Habitat

- Habitat conditions for covered species
- Transportation impacts
- Water temperature and channel shading
- Beaver monitoring

## Terrestrial Habitat

- Covered species habitat meets stay-ahead provision
- Forest structural components: large trees, dead wood, hardwoods
- Habitat connectivity



# NEXT STEPS

- Reporting on a 2-year schedule with online dashboard
- Some Performance Measures may be quantified in FMP modeling outcomes presented to the Board
- Targets for Performance Measures anticipated to be set in spring 2024 by the Board.



# Q&A and Discussion



# Summary and Next Steps



# NEXT STEPS

JUL  
2023

Draft FMP released

SEP  
6/7  
2023

Board of Forestry  
Meeting:  
Draft FMP and  
Adaptive  
Management Plan

Dec  
2023

Board of Forestry  
Meeting:  
Outcomes of  
Modeled  
Scenarios

TBD  
2024

Board of Forestry  
Meeting:  
Decision to  
approve FMP

Thank you!

