

# **Forest Practices Effectiveness Monitoring and Compliance Audit Update**

Presentation to the Oregon Board of Forestry  
5 September 2012

# Effectiveness Monitoring Update

Last update: 2007

**2009**

Starting up again: 2011

Something to report: 2012



# Monitoring: 2007

## **Projects underway at that time:**

Riparian Function & Stream Temperature  
(RipStream)

Wildlife tree & downed wood compliance

High Aquatic Potential (HAP)

Long-term Stream Temperature Status & Trend

# Monitoring 2009

- Reported on initial RipStream post-harvest findings
- HAP – resolved (Oregon Plan voluntary measure)
- Budget cuts – monitoring unit disbanded
- ~~Long term Stream Temperature Status & Trend~~
- RipStream analysis continues at OSU
  - Oregon Department of Forestry
  - Department of Environmental Quality
  - U.S. Environmental Protection Agency
  - Headwaters Research Cooperative

# 2011

- Effectiveness Monitoring unit re-established
- Budget Notes 1 & 2



# Current & Planned Monitoring Work

- RipStream Project

Goal: Evaluate the effectiveness of FPA forest practices rules and State Forests management strategies at protecting stream temperatures and promoting desired riparian structure.

- Temperature (2009, 2010, 2011)

- Riparian conditions, wood recruitment

# Further RipStream Analyses

Projects	Status	Results to BOF	Final Product
Biologically-based Numeric Criteria (16/18 °C)	On hold	Yes	Publication
Shade/Temperature response 1-5 yrs post-harvest	On hold	Yes	Publication
Downstream Temperature response	Underway	No	Publications (2)
Large wood recruitment	Underway	No	Publication (1-2)
Riparian stand conditions & functions	On hold	No	Report

# Riparian Rule Analysis

## Effectiveness Monitoring Group:

- Conceptual outline of science review method to review alternatives
- Evaluation of alternatives in terms of forest practice restrictions
- Evaluate alternatives against Maximum Extent Practicable standard

# Water Quality Pesticide Management Team

Multi-agency effort (ODA, DEQ, OHA, ODF)

- ODA is state lead for Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
  - Responsibility: pesticide registration/use regulation in Oregon
  - Responsibility: development of Pesticide Management Plan (PMP)
  - WQPMT helped develop PMP

# Water Quality Pesticide Management Team

- ODF's main involvement: Pesticide Stewardship Partnership program (DEQ)
  - Purpose: improve water quality, identify pesticides of concern
  - Info to landowners/watershed groups/agencies on pesticides in streams
  - Participation = Voluntary
  - Multiple land use
  - Monitoring: 6 watersheds currently; years of data
  - ODF monitoring unit: communicate findings to watershed's Stewardship Forester & landowner(s)

# Leave Tree & Downed Wood

- Assessed compliance with leave trees & downed wood (ORS 527.676)
- Inferences about:
  - Type, location, pattern of leave-trees
  - Retention & condition of downed wood
- Draft report needs finalization & review
- Pilot study results: Technical Monitoring Report #18

# Monitoring Strategy

Forest Practices Monitoring Program Strategic Plan  
has guided monitoring priorities since 2002

Top Priorities:

- Riparian function, structure, temperature on F streams
- Wet weather hauling
- Implementation & effectiveness of OPSW
- Headwater streams
- Wildlife



# Monitoring Strategy

- Rebuilding → revisit strategy
  - Will establish process to gather information from stakeholder/scientific community
  - Develop set of key questions & priorities
  - Department interested in stratifying by region

# Questions?

- Role Board takes in reviewing monitoring strategy?



# Update on Budget Note 1: FPA Compliance Audit

Budget Note 1: The Department of Forestry shall report to the Joint Committee on Ways and Means at the next regular session of the Legislature (January 2013) on the *process and results of contracting compliance monitoring.*

Direction: conduct compliance monitoring to support Legislative Key Performance Measure #3, *Percent of commercial forest operations that are in compliance with the Forest Practices Act.*

# Goals and Objectives

- Goal: Determine state-wide FPA compliance for private forests
- Objectives:
  - Statistically valid sampling
  - Determine compliance rates for industrial/non-industrial/other lands
  - Compliance rates for NWO/SWO/EOA
  - First year: roads & harvest rules (Div. 625 & 630)

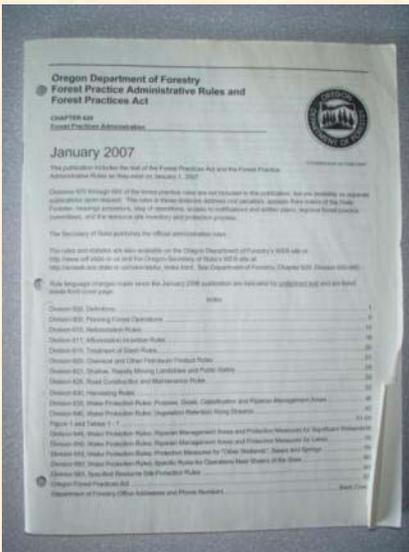
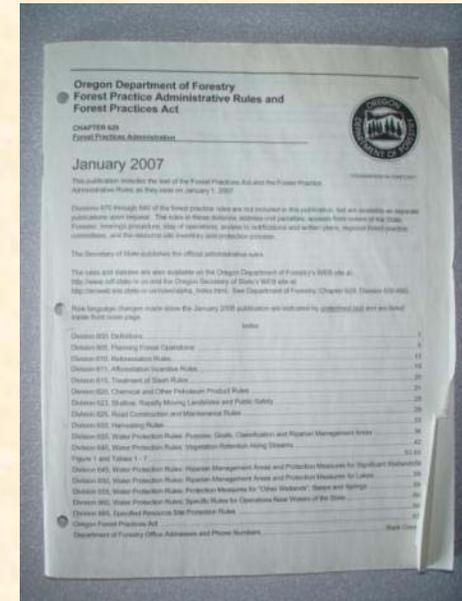
# Project Principles

- Design audit program to allow contracting of production phase to 3<sup>rd</sup> party
- ODF retains QA/QC in program
- Use external review committee to evaluate design of program
- Utilize 2002 study design

# Process

- Contract in effect by January 2013
- Contractor to carry out audit
  - Specific, detailed protocol for RFP
  - Quantitative assessment
- Can only assess specific rule sets (post-operations)
- FPA structure

# FPA – how used & how we're using it



# Compliance Audit: Execution

- 57 rules to be examined
- Published results: Statewide, by Area, by landowner type
- ODF Stewardship Foresters = point of contact
- Apparent resource damage communicated to local office (Compliance, not Enforcement)

