

#14  
1.22.15

# SIERRA CASCADES Dialog Sessions

## MONITORING

• WHAT? • WHY? • HOW?

### Welcome!

• generate ideas!  
• Building Understanding!!

**★ AI Olson**  
REGION 5  
Background in aquatics...  
• Best kind of Monitoring → Changes the way we do business!  
APPLY LESSONS: What worked? What to do better?  
Love the Forests!  
THANKS! Thoughtful Input!  
NEW Forest Plan  
Roll out Spring Summer  
DEIS

**★ Deb Whittall**  
Citizen Scientist  
• Different Kinds of Monitoring

• ASSESSMENT • REVISION • MONITORING

2012 Rule: Engage the Public  
Plans to Reflect Key Interests!

Draft → 90 days input → FINAL

Plan of Intent  
Wilderness  
Watershed  
Species Conservation  
NEW Elements  
Monument Plan

Paula Hansen

# SIERRA CASCADES DIALOG #14 MONITORING

NATIONAL FORESTS OF THE SIERRA NEVADA

**★ Marc Meyer**  
DEF: systematic process to collect information  
• Effectiveness • Status and Trend • Validation  
Multi-Party Monitoring  
Citizen Science  
2 parts:  
• QUESTIONS  
• INDICATORS

**★ Patricia Flebbe**  
2012 Planning Rule  
Measure Progress of plan & report effectiveness  
Change Plans  
Watershed  
DIVERSITY  
• Ecological Monitoring Plan  
• Biodiversity  
• Fire Fuels  
• Diversity Scientific Expertise  
CONSENSUS

**★ Don Yasuda**  
What is ADAPTIVE?  
• respond to new info & need  
• more integrative  
• Project-level Plan amendment  
MONITORING  
• Management  
LEARN!  
NIMBLE Change Process  
Report

**EXAMPLES**  
PROJECT: Sierra Nevada Adaptive Mgmt Project  
FOREST: BMPs, NNUM  
BIO REGION: SWAMP  
Regional Public Monitoring

**8 REQUIRED ITEMS**  
... and OTHER!  
Be honest about capabilities!

TWO TIERS:  
• Forest level  
• Larger Scale  
REPORT every 2 years  
Monitor Report

PURPOSE:  
Test Assumption  
Track Effectiveness  
Transition prior monitoring programs to meet 2012 by 2016

**P.A.N.E.L**

Paula Hansen

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## MONITORING

### QUESTIONS FOR THE PANEL

**How to MAKE IT SPECIFIC and MATTER?**

- Plan Monitoring w/ Project Monitoring

**AT PROJECT LEVEL:**

- Don't Rubber stamp
- LEARN** at Project Level
- Can we fine tune towards better practice?
- Make **COURSE CORRECTIONS!**

**What about AUTOMATED MONITORING?**

- Biggest cost is people
- Yes - opportunity to expand

**ADAPTIVE??**

speed & capacity

How to you **KNOW** using it correctly?

Really?

Factor in TO THE COST

**COLLABORATE w/ TRIBES**

- Citizen Science
- Traditional Knowledge
- We don't do a good job of this so far!
- How can IMPROVE here!

**Example?**

- Forest Plan amendment
- unique exceptions
- How to the RULE

**IF WE DON'T HAVE THE DATA**

ACCOUNTABILITY - report

- We have to make decisions in face of UNCERTAINTY & DISCLOSE
- Make sure we pick imp & relevant mgmt questions.

**NGOs - we**

- CITIZEN SCIENCE
- engagement + education
- High Quality Data
- untapped resource
- useful for Tracking Trends

Potential... CLIMATE CHANGE

**REVIEW?**

5th Annual Monitor Report

- we haven't done one yet!

**BUDGET**

In face of limits, we try to:

- PARTNER**
- Go after FUNDING SOURCES

Monitoring takes time & resource for the

**BIG QUESTIONS!**

- we have to work together
- we spend time CONSIDERING

**RIGHT MIX**

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# Monitoring Indicators

OF DESIRED CONDITIONS

## 6 THEMES

**TERRESTRIAL**

**BIRD DIVERSITY**

Whole Community Features Extend

**HABITAT & VEGETATION**

Def of Terrestri

**HETEROGENEITY**

... unknowns ... Need to resolve

**SOCIAL, CULTURAL ECONOMIC**

**FINANCIAL IMPACT - FOREST ASSOC JOBS**

Chambers Hotel Lodging

others - yes

**DEMOGRAPHIC**

surveys

POP increase social justice

others - yes

**SCHOOL DROP OUT RATE**

Forest Svc School Dis

others - yes

**EFFICIENCY**

use patterns on Landscape changing use

**ECONOMIC INDICATORS**

- New Biz

- Expand Biz

Partnership Agreements

**SOCIAL IMPACT**

objections

Letters to editor

values survey

**CULTURAL**

Snow Pack community impact of Fire

# of Tribal agreements

COLLECTED BY OTHERS ... Tourism ... include in plan

**FOREST RESERVE REVENUE**

... 50% to counties

adequate revenue

**ECOLOGICAL INTEGRITY**



