

# Nez Perce-Clearwater National Forest Vulnerability Assessment Workshop September 10-11, 2013

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## **Location:**

Nez Perce National Forest Supervisor's Office  
104 Airport Road, Grangeville, ID

## **Workshop Description:**

This climate change vulnerability assessment workshop for the Nez Perce-Clearwater National Forest is one piece of a larger project intended to support the Forest Plan revision and the Climate Change Performance Scorecard. The goal of this workshop (10-11 September 2013) is to assess the vulnerability of a suite of resources (species, ecosystems, ecosystem services, and human populations and economic sectors) to climate change. This 2-day workshop will include: (1) a review of climate trends (current, historic, projected future) for the Nez Perce-Clearwater National Forest; (2) vulnerability assessment application for a suite of species and ecosystems that were selected prior to the workshop; and (3) discussion and evaluation of regional socio-economic vulnerabilities and vulnerabilities of relevant ecosystem services. All workshop materials including agenda, handouts, and presentations will be made available online through the EcoAdapt website at (<http://www.ecoadapt.org/workshops/va-workshop-npc>).

## **Workshop Objectives:**

1. Provide participants with baseline knowledge and understanding of climate trends (current, historic, projected future) for the Nez Perce-Clearwater National Forest and surrounding region.
  2. Assess vulnerabilities of ecosystems and species to climate change including sensitivity, exposure, and adaptive capacity.
  3. Provide baseline socio-economic and ecosystem services knowledge and assess related vulnerabilities.
  4. Provide vulnerability assessment training, resources, support, and tools to participants to apply throughout the Forest Plan revision process and beyond.
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## AGENDA

**Tuesday, September 10<sup>th</sup>: 9AM – 5PM**

### **INTRODUCTION TO VULNERABILITY ASSESSMENTS AND CLIMATE TRENDS FOR THE REGION**

9:00 – 9:15 Welcome and introductions.

9:15 – 9:30 Presentation: *Workshop goals, objectives, and desired products*. Jessi Kershner, EcoAdapt.

9:30 – 10:10 Presentation: *Climate trends in the Nez Perce-Clearwater National Forest – historic and projected changes*. Healy Hamilton, Sound Science

10:10 – 10:50 Presentation: *Hydrologic and stream temperature trends in the Nez Perce-Clearwater National Forest – historic and projected changes*. Dan Isaak, Rocky Mountain Research Station, U.S. Forest Service

### **BREAK: 10:50 – 11:05AM**

11:05 – 11:50 Presentation: *Regional landscape restoration priorities, considering departure from historical conditions and an uncertain climate future*. Barry Bollenbacher, Region 1 U.S. Forest Service

11:50 – 12:20 Presentation: *Non-forested and riparian vegetation: past, present and future*. Mary Manning, Region 1 U.S. Forest Service

### **LUNCH: 12:20 – 1:20PM (PROVIDED)**

### **ECOSYSTEM VULNERABILITY ASSESSMENT**

***1:20PM – 4:30PM with break from 3:30-3:45PM***

1:20 – 1:45 Presentation: *Introduction to vulnerability assessments – foundational elements and key steps*. Lara Hansen, EcoAdapt

1:45 – 4:00 Vulnerability Assessment Breakout Groups: **Ecosystem type**

Objectives for breakout groups:

- Complete worksheets: sensitivity and exposure, adaptive capacity
- Discuss overall vulnerability

4:00 – 4:30 Breakout groups report back to share ecosystem vulnerability assessment findings with all participants and discuss rankings

### **INTRODUCTION TO HUMAN AND ECONOMIC VULNERABILITIES**

4:30 – 4:55 Presentation: *Introduction to human and economic sector vulnerabilities, primer on ecosystem services*. Headwaters Economics

4:55 – 5:00 Wrap up and next day preview

**Wednesday, September 11<sup>th</sup>: 8:30AM – 5PM**

**SPECIES VULNERABILITY ASSESSMENT**

8:30 – 8:40 Opening comments and overview of day’s objectives. Introduction to species worksheets.

8:40 – 10:40 Vulnerability Assessment Breakout Groups: **Species**

Objectives for breakout groups:

- Complete worksheets: sensitivity and exposure, adaptive capacity
- Discuss overall vulnerability

**BREAK: 10:40 – 10:55AM**

10:55 – 11:25 Breakout groups report back to share species vulnerability assessment findings with all participants and discuss rankings

**HUMAN/ECONOMIC VULNERABILITY ASSESSMENT**

11:25 – 11:45 Presentation: *Vulnerable human and economic sectors*. Headwaters Economics

**LUNCH: 11:45 – 12:45PM (PROVIDED)**

12:45 – 2:00 Vulnerability Assessment Breakout Groups: **Human and Economic Sectors**

Objectives for breakout groups:

- Complete worksheets

2:00 – 2:30 Breakout groups report back to share human and economic vulnerability assessment findings with all participants and discuss rankings

**ECOSYSTEM SERVICES VULNERABILITY ASSESSMENT**

2:30 – 2:45 Presentation: *Ecosystem services*. Headwaters Economics

**BREAK: 2:45 – 3:00PM**

3:00 – 4:15 Vulnerability Assessment Breakout Groups: **Ecosystem Services**

Objectives for breakout groups:

- Complete worksheets: sensitivity, and exposure, adaptive capacity
- Discuss overall vulnerability

4:15 – 4:35 Breakout groups report back to share ecosystem services vulnerability assessment findings with all participants and discuss rankings

4:35 – 5:00 Workshop wrap up and next steps