



**MANAGING COAST REDWOODS FOR RESILIENCE
IN A CHANGING CLIMATE:
WORKSHOP AND FIELD TRIP TO SHARE KNOWLEDGE, IDENTIFY
INFORMATION GAPS, AND PROPOSE BEST MANAGEMENT PRACTICES**

**September 6-7, 2013
Humboldt State University and Redwood National Park**

Problem Statement: Although efforts are underway to study redwood response to climate change, there is no comprehensive strategy currently available for helping managers prepare coast redwood for climate change and land use stressors. The North Pacific Landscape Conservation Cooperative (NPLCC) and California Landscape Cooperative were chartered by a Secretarial order to increase understanding of climate change and coordinate an effective response among managers and scientists. This workshop reflects diverse partners working together to achieve that objective.

Objectives:

- (1) *Bring together scientists and managers with expertise in redwood ecosystems;*
- (2) *Evaluate the leading science on stressors to redwoods, including climate change;*
- (3) *Identify and prioritize adaptation strategies for increasing the resilience of redwoods in the face of climate change*

Workshop Topics:

- **_ Climate and ecological projections for the Redwood Region**
- **_ Important features of resilience**
- **_ Key challenges and opportunities**
- **_ Adapting management practices to address stressors and climate change**
- **_ Coordinating science and management – closing the loop**

For draft Redwood primer and workshop details -
<http://www.geosinstitute.org/397-climatewise-services/1042-managing-coast-redwoods-for-resilience-in-a-changing-climate.html#>

WORKSHOP AGENDA (Sept. 6)

Morning Session in Siemens Hall (SH115)

- 9:00-9:30 Introductions and workshop format (rules of engagement) and objectives (light breakfast, and coffee) – M. Mahaffy (NPLCC, workshop facilitator)
- 9:30-10:15 Understanding climate change in the redwoods (what might the future hold?) – D. DellaSala, M. Koopman
- snap shot of climate projections and some current effects
- 10:15-10:45 Redwood land-use stressors - D. DellaSala
- overview of stressors from the primer and group discussion
- 10:45-11:00 Break
- 11:00-12:00 Resilience, Resistance, and Transition – Overview – M. Koopman
- definitions and key concepts; background for working groups

Afternoon Session – Switch Rooms to Nelson Hall (NH 102) and catered lunch

- 12:30-1:30 Climate smart adaptation to reduce stressors – M. Koopman, D. DellaSala
- fundamentals of adaptation; reserves/connectivity, microrefugia
- 1:30-2:30 Working Groups (3) to develop best practices for stressors
- resistance; resilience; transition best practices working groups
- context (ecological, landownership) and scale (D. DellaSala)
- 2:30-3:30 Working groups report back to full group – discussion
- 3:30-3:45 Break
- 3:45-4:30 Full group prioritizes best practices using voting process
- 4:30-5:00 Wrap and field trip logistics (M. Mahaffy, D. DellaSala, J. Teraoka)