

# Northern California Climate Change Vulnerability Assessment Workshop



**Monday and Tuesday, May 22-23, 2017**

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**Time:**

**9:00am – 3:00pm**

Lunch, snacks, and coffee will be provided both days

**Location:**

Western Shasta Resource Conservation District, 6270 Parallel Road, Anderson, CA

**Workshop Goals:**

1. Assess the vulnerability to climate change of a suite of stakeholder-identified focal resources, with the intention of subsequently developing adaptation strategies for these resources and addressing key management and conservation needs.
2. Provide vulnerability assessment training, resources, support, and tools to participants to extend this process to similar efforts in their own work.

**Workshop Objectives:**

1. Provide participants with an overview of historical, current, and projected future climate trends for northwestern California.
2. Assess vulnerabilities of identified focal resources to climate change including evaluating sensitivity, exposure, and adaptive capacity.
3. Present example case studies of moving from vulnerability assessments to developing adaptation strategies, and provide participants with an overview of future project activities.

*All workshop materials can be found online at:*

<http://ecoadapt.org/workshops/norcal-vulnerability>



## Day 1: Monday, May 22<sup>nd</sup>

Time	Agenda Item	Presenter(s)
9:00	<p><b>Welcome and Introductions</b></p> <ul style="list-style-type: none"> <li>Review project goals, methods, and outcomes</li> <li><u>This workshop</u>: Vulnerability assessment</li> <li><u>Next workshop</u>: Adaptation planning</li> </ul> <p><b>Agenda Review</b></p> <p><i>Objective: Introduce project leads from EcoAdapt, U.S. Forest Service, and Bureau of Land Management, and explain why we are leading this effort. Introduce participants to one another.</i></p>	<p><b>Diana Craig, USFS</b></p> <p><b>Miriam Morrill, BLM</b></p> <p><b>Jessi Kershner, EcoAdapt</b></p> <p><b>All Participants</b></p>
9:30	<p><b>Hydrologic Trends in Northwestern California</b></p> <ul style="list-style-type: none"> <li>Historic, current, and projected hydrologic changes in the Klamath Basin and northwestern California</li> <li>Questions, comments, and discussion</li> </ul> <p><i>Objective: Provide participants with background information and understanding of hydrologic projections in the region.</i></p>	<p><b>Pete Coombe, California Department of Water Resources</b></p>
10:00	<p><b>Introduction to Vulnerability Assessments</b></p> <ul style="list-style-type: none"> <li>Summarize the purpose of vulnerability assessments</li> <li>Introduce steps and primary components</li> <li>Questions, comments, and discussion</li> </ul> <p><i>Objective: Ensure participants are familiar with the basic components and steps of vulnerability assessments.</i></p>	<p><b>Jessi Kershner, EcoAdapt</b></p> <p><b>All Participants</b></p>
<b>10:20</b>	<b>BREAK</b>	
10:30	<p><b>Vulnerability Assessment of HABITATS, Part 1</b></p> <ul style="list-style-type: none"> <li>Explain worksheets for breakout groups</li> <li>Complete worksheets in small groups for habitats: sensitivity and adaptive capacity</li> </ul> <p><i>Objective: Breakout groups assess vulnerability for each identified habitat.</i></p>	<p><b>Jessi</b></p> <p><b>All Participants</b></p>
<b>12:00</b>	<b>LUNCH (provided)</b>	
12:45	<p><b>Vulnerability Assessment of HABITATS, Part 1 continued</b></p> <ul style="list-style-type: none"> <li>Complete worksheets in small groups for habitats: sensitivity and adaptive capacity</li> <li>Create poster summarizing results for report-back</li> </ul> <p><i>Objective: Breakout groups assess vulnerability for each</i></p>	<b>All Participants</b>



Time	Agenda Item	Presenter(s)
	<i>identified habitat.</i>	
<b>1:45</b>	<b>BREAK + Poster review</b> <i>Objective: Participants browse other habitat posters and add questions/comments/suggestions.</i>	
2:10	<b>Vulnerability Assessment of HABITATS, Part 2</b> <ul style="list-style-type: none"> <li>Report-outs and plenary discussion</li> </ul> <i>Objective: Breakout groups report back to share habitat vulnerability assessment findings with all participants and discuss rankings.</i>	<b>Small Group Reporters</b> <b>All Participants</b>
2:55	<b>Wrap Up and Next Day Preview</b>	Jessi
<b>3:00</b>	<b>ADJOURN</b>	

## Day 2: Tuesday, May 23<sup>rd</sup>

Time	Agenda Item	Presenter(s)
9:00	<b>Welcome and Opening Comments</b> <i>Objective: Review the day's structure and objectives.</i>	Jessi Kershner, EcoAdapt
9:10	<b>Vulnerability Assessment of SPECIES GROUPS, Part 1</b> <ul style="list-style-type: none"> <li>Explain worksheets for breakout groups</li> <li>Complete worksheets for species groups: sensitivity and adaptive capacity</li> </ul> <i>Objective: Breakout groups assess vulnerability for each identified species group.</i>	Jessi <b>All Participants</b>
<b>10:30</b>	<b>BREAK</b>	
10:40	<b>Vulnerability Assessment of SPECIES GROUPS, Part 1 continued</b> <ul style="list-style-type: none"> <li>Complete worksheets for species groups: sensitivity and adaptive capacity</li> </ul> <i>Objective: Breakout groups assess vulnerability for each identified species group.</i>	<b>All Participants</b>
11:20	<b>Vulnerability Assessment of SPECIES GROUPS, Part 2</b> <ul style="list-style-type: none"> <li>Report-outs and plenary discussion</li> </ul> <i>Objective: Breakout groups report back to share vulnerability</i>	<b>Small Group Reporters</b> <b>All Participants</b>



Time	Agenda Item	Presenter(s)
	<i>assessment findings with all participants and discuss rankings.</i>	
<b>12:00</b>	<b>LUNCH (provided)</b>	
12:45	<p><b>Vulnerability Assessment of SPECIES</b></p> <ul style="list-style-type: none"> <li>• Explain worksheets for breakout groups</li> <li>• Complete worksheets in small groups for species: sensitivity and adaptive capacity</li> </ul> <p><i>Objective: Breakout groups assess vulnerability for each identified species.</i></p>	<p><b>Jessi</b></p> <p><b>All Participants</b></p>
<b>2:15</b>	<b>BREAK</b>	
2:25	<p><b>Practical Applications and Case Studies</b></p> <ul style="list-style-type: none"> <li>• Practical applications of vulnerability assessments</li> <li>• Case studies of vulnerability to adaptation</li> <li>• Questions, comments, and discussion</li> </ul> <p><i>Objective: Demonstrate how vulnerability assessments inform the development of adaptation strategies. Provide participants with case studies that move from vulnerability to adaptation.</i></p>	<p><b>Jessi</b></p> <p><b>All Participants</b></p>
2:45	<p><b>Workshop Wrap-Up and Next Steps</b></p> <ul style="list-style-type: none"> <li>• Review next steps in project process</li> <li>• Post-workshop evaluation</li> <li>• Closing remarks</li> </ul>	<p><b>Jessi</b></p> <p><b>Diana Craig, USFS</b></p> <p><b>Miriam Morrill, BLM</b></p>
<b>3:00</b>	<b>ADJOURN</b>	

