Northern California Climate Change Vulnerability & Adaptation Workshop

Tuesday and Wednesday, October 3-4, 2017

Time:
9:00am – 4:00pm
Lunch, snacks, and coffee will be provided both days

Location:
Bachelor Valley Grange, 9355 Government Street, Upper Lake, CA

Workshop Goals:

1. Assess the vulnerability to climate change of a suite of stakeholder-identified habitats and species.
2. Develop adaptation strategies and actions that reduce vulnerabilities and/or increase resilience of stakeholder-identified habitats and species.
3. Provide vulnerability assessment and adaptation training, resources, support, and tools to participants to extend this process to similar efforts in their own work.

Workshop Objectives:

1. Assess vulnerabilities of identified habitats and species to climate change including evaluating sensitivity and adaptive capacity.
2. Generate adaptation strategies and actions that reduce vulnerabilities (i.e. sensitivity and exposure) and/or increase adaptive capacity of habitats and species.

All workshop materials can be found online at:
http://ecoadapt.org/workshops/norcal-upper-lake

Vulnerability & Adaptation Workshop Agenda for the Northern California Climate Adaptation Project.

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Day 1: Tuesday, October 3rd

Time	Agenda Item	Presenter(s)
9:00	**Welcome and Introductions** • Review project goals, methods, and outcomes • <u>This workshop</u>: Vulnerability assessment • <u>Next workshop</u>: Adaptation planning **Agenda Review** *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.*	**Sarah Sawyer,** USFS **Jim Weigand,** BLM **Jessi Kershner,** EcoAdapt **All Participants**
9:30	**Introduction to Vulnerability Assessments** • Summarize the purpose of vulnerability assessments • Introduce steps and primary components • Questions, comments, and discussion *Objective: Ensure participants are familiar with the basic components and steps of vulnerability assessments.*	**Jessi Kershner,** EcoAdapt **All Participants**
9:50	**ACTIVITY #1: Vulnerability Assessment of <u>Habitats</u>** • Explain worksheets for breakout groups • Complete worksheets in small groups for habitats: sensitivity and adaptive capacity *Objective: Breakout groups assess vulnerability for each identified habitat.*	**Jessi** **All Participants**
10:30	**BREAK as needed**	
12:00	**LUNCH (provided)**	
12:45	**Vulnerability Assessment of HABITATS, Part 1 continued** • Complete worksheets in small groups for habitats: sensitivity and adaptive capacity • Create poster summarizing results for report-back *Objective: Breakout groups assess vulnerability for each identified habitat.*	**All Participants**
1:15	**Large Group Discussion: Vulnerability Assessment of Habitats** • Report-outs and plenary discussion *Objective: Breakout groups report back to share vulnerability assessment findings with all participants and discuss rankings.*	**Small Group Reporters** **All Participants**

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Time	Agenda Item	Presenter(s)
1:45	**ACTIVITY #2: Vulnerability Assessment of <u>Species Groups and Species</u>** • Explain worksheets for breakout groups • Complete worksheets in small groups for species groups and species: sensitivity and adaptive capacity *Objective: Breakout groups assess vulnerability for each identified species group or species.*	**Jessi** **All Participants**
2:15	**BREAK as needed**	
3:25	**Large Group Discussion: Vulnerability Assessment of Species Groups and Species** • Report-outs and plenary discussion *Objective: Breakout groups report back to share vulnerability assessment findings with all participants and discuss rankings.*	**Small Group Reporters** **All Participants**
3:55	**Wrap Up and Next Day Preview**	**Jessi**
4:00	**ADJOURN**	

Day 2: Wednesday, October 4th

Time	Agenda Item	Presenter(s)
9:00	**Welcome and Opening Comments** *Objective: Review the day's structure and objectives.*	**Jessi Kershner,** EcoAdapt
9:10	**Introduction to Adaptation Strategy Development** • Provide an overview of adaptation strategy development and the types of strategies • Present adaptation case studies • Questions, comments, discussion *Objective: Ensure participants are familiar with adaptation terminology and the basic types, and how vulnerability assessments can inform adaptation planning.*	**Jessi** **All Participants**
9:30	**ACTIVITY #3: Identify Adaptation Strategies for <u>Habitats</u>** • Walk through activity worksheets • Using the worksheets provided, for each **habitat**, begin identifying general adaptation strategies intended to reduce stressors and/or increase adaptive capacity	**Jessi** **All Participants**

Time	Agenda Item	Presenter(s)
	Objective: Explain worksheets for breakout group activities. Identify adaptation strategies for habitats.	
10:45	**BREAK**	
11:00	**ACTIVITY #3 CONTINUED** • Using the worksheets provided, for each **habitat**, identify more specific adaptation actions intended to reduce stressors and/or increase adaptive capacity • For each action, evaluate: o Feasibility of implementing o Effectiveness in reducing stressors o When to implement o Where to implement o How to implement *Objective: Identify adaptation actions for habitats, and begin evaluating implementation feasibility and effectiveness, as well as when, where, and how to implement actions.*	**All Participants**
12:15	**LUNCH (provided)**	
1:00	**ACTIVITY #4: Identify Adaptation Strategies for <u>Species Groups and Species</u>** • Using the worksheets provided, for each **species group** and **species**, identify general adaptation strategies and more specific actions intended to reduce stressors and/or increase adaptive capacity • For each action, evaluate: o Feasibility of implementing o Effectiveness in reducing stressors o When to implement o Where to implement o How to implement *Objective: Identify adaptation strategies and actions for species groups and species, and begin evaluating implementation feasibility and effectiveness, as well as when, where, and how to implement actions.*	**All Participants**
2:00	**BREAK as needed**	

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Time	Agenda Item	Presenter(s)
3:15	**Large Group Discussion: Sharing Adaptation Strategies and Actions** • Breakout groups share some of the adaptation strategies and actions they came up with for habitats and species • Questions, comments, and discussion *Objective: Compare adaptation strategies and actions for different resources, and identify potential conflicts or synergies.*	**Jessi** **All Participants**
3:45	**Workshop Wrap-Up and Next Steps** • Review next steps in project • Post-workshop evaluation • Closing remarks	**Jessi** **Sarah Sawyer,** USFS **Jim Weigand,** BLM
4:00	**ADJOURN**	