



Vulnerability Assessment Workshop

Climate-Smart Adaptation for the North-central California Coast and Ocean

June 10-11, 2014

Location:

Fort Mason Center
2 Marina Blvd
Building C, Room C362
San Francisco, CA 94123

Workshop Description:

This climate change vulnerability assessment workshop is one piece of a larger project entitled the Climate-Smart Adaptation for the North-central California Coast and Ocean, an effort to collaboratively develop and implement adaptation actions in response to, and in preparation for, climate change impacts on coastal and marine resources (species, habitats, ecosystem services). The goal of this workshop (10-11 June 2014) is to assess the vulnerability of a suite of these resources (chosen at the previous Focal Resources Workshop) to climate change. This 2-day workshop will include: (1) a review of climate trends (current, historic, projected future) for the north-central California coast; (2) vulnerability assessment application for a suite of species, habitats, and ecosystems services that were selected prior to the workshop; and (3) discussion and evaluation of regional management decision vulnerabilities. All workshop materials including agenda, handouts, and presentations will be made available online through the EcoAdapt website at (<http://www.ecoadapt.org/workshops/ca-coast-va-workshop>).

Workshop Objectives:

1. Provide participants with baseline knowledge and understanding of climate trends (current, historic, projected future) for the north-central California coast.
 2. Assess vulnerabilities of habitats, species, and ecosystem services to climate change including evaluating sensitivity, exposure, and adaptive capacity.
 3. Evaluate potential vulnerabilities of management goals and brainstorm adaptation strategies to reduce those vulnerabilities.
 4. Provide vulnerability assessment training, resources, support, and tools to participants to extend this process to similar efforts in their own work.
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AGENDA

Tuesday, June 10th: 9:30 AM – 4:30 PM

INTRODUCTION TO VULNERABILITY ASSESSMENTS AND CLIMATE TRENDS FOR THE REGION

- 9:30 Welcome. Maria Brown, Gulf of the Farallones National Marine Sanctuary
- 9:35 – 9:40 Introduction to workshop goals and objectives. Sara Hutto, Gulf of the Farallones National Marine Sanctuary
- 9:40 – 9:45 Participant Introductions: name and affiliation
- 9:45 – 10:05 Presentation: *Climate trends in the north-central California coast – historic and projected changes*. Tom Suchanek, USGS
- 10:05 – 10:25 Presentation: *Introduction to vulnerability assessments – foundational elements and key steps*. Lara Hansen, EcoAdapt
- 10:25 – 10:35 Presentation: *Introduction and orientation to vulnerability assessment worksheets*. Jessi Kershner, EcoAdapt

BREAK: 10:35 – 10:50 AM

HABITAT VULNERABILITY ASSESSMENT

10:50 – 12:30 Vulnerability Assessment Breakout Groups: **Habitat type**

Objectives for breakout groups:

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

LUNCH: 12:30 – 1:30 PM (PROVIDED)

- 1:30 – 1:50 Finish habitat vulnerability assessment
- 1:50 – 2:30 Breakout groups report back to share habitat vulnerability assessment findings with all participants and discuss rankings

BREAK: 2:30 – 2:45 PM

SPECIES VULNERABILITY ASSESSMENT

2:45 – 4:20 Vulnerability Assessment Breakout Groups: **Species**

Objectives for breakout groups:

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

4:20 – 4:30 Wrap up and next day preview

5:00 Happy hour at The Cannery at Del Monte Square, 449 Jefferson Street

Wednesday, June 11th: 9:30 AM – 4:30 PM

9:30 – 9:40 Opening comments and overview of day's objectives.

9:40 – 10:30 Finish species vulnerability assessment

BREAK: 10:30 – 10:45 AM

10:45 – 11:30 Breakout groups report back to share species vulnerability assessment findings with all participants and discuss rankings

ECOSYSTEM SERVICES VULNERABILITY ASSESSMENT

11:30 – 12:30 Vulnerability Assessment Breakout Groups: **Ecosystem Services**

Objectives for breakout groups:

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

LUNCH: 12:30 – 1:30 PM (PROVIDED)

1:30 – 2:15 Vulnerability Assessment Breakout Groups: **Ecosystem Services**

Objectives for breakout groups:

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

2:15 – 3:00 Breakout groups report back to share human and economic vulnerability assessment findings with all participants and discuss rankings

BREAK: 3:00 – 3:15PM

3:15 – 4:15 Vulnerability Assessment Large Group Discussion: **Management Decisions**
Lara Hansen, EcoAdapt

4:15 – 4:30 Workshop wrap up and next steps
