

Natural Resources and Science Symposium
February 4, 2010
Bay Model, Sausalito
Draft Agenda

8:00 Doors open: check-in, coffee & posters

8:30 Welcome and introductions

8:45 Plenary Presentation: Climate Change and California Birds: Should We Believe the Models?

Dr. John Wiens, PRBO Conservation Science.

9:15-10:15 Park Management in a Changing Environment Part 1: Climate Change

- **Doing Restoration in a Climate Change Context: Examples for Riparian Systems**
Thomas Gardali and Nathaniel E. Seavy, PRBO Conservation Science
- **Synthesizing Vital Signs Data from the San Francisco Bay Area Network: Phase 1 - Analysis of Trends in Stream Flow and Climate**
Mary Ann Madej, U. S. Geological Survey -WERC, Redwood Field Station
- **Historical Aerial Image Archive for Ecological Investigations**
Alicia Torregrosa, U.S. Geological Survey - Western Geographic Science Center

10:15-10:45 Break and poster session

10:45-11:45 Park Management in a Changing Environment Part 2: Threatened, Endangered, and Priority Species

- **Forecasting Suitable Habitat for Bay Area Conservation Target Species in a Climate Altered Future**
Dr. Healy Hamilton, California Academy of Sciences
- **A Second Chance at Preventing Extinction: Discovery and Conservation of the Franciscan Manzanita (*Arctostaphylos franciscana*)**
Michael Chassé, NPS, Golden Gate National Recreation Area
- **Experimental Treatments and Management of Endangered Presidio Clarkia (*Clarkia Franciscana*)**
Lew Stringer, The Presidio Trust

11:45-12:00 Facilitated discussion of morning presentations

12:00-1:00 Lunch and poster session

1:00-2:00 Trends in Ecosystem and Park Health (long-term monitoring)

- **Lessons Learned: Long-term Monitoring Results of Habitat Restoration Sites within the GGNRA**
Liz Ponzini, Golden Gate National Parks Conservancy
- **Monitoring Watershed Water Quality Trends**
Rob Carson, Tomales Bay Watershed Council
- **Characterizing the Fish Assemblages of Cordell Bank - Inventory and Monitoring in an Extreme Environment**
Dale Roberts, NPS/NOAA, Cordell Bank

2:00-2:20 Break

2:20-3:00 Science Education and Communication and Traditional Ecological Knowledge

- **Nonlead Ammunition: It's Better for Wildlife, It's Better for Humans - Approaches Towards Outreach with Nontraditional Audiences**
Jim Petterson, NPS, Pinnacles National Monument
- **Habitat Restoration Using Traditional Ecological Knowledge at Pinnacles National Monument**
Brent Johnson, NPS, Pinnacles National Monument

3:00-3:45 Facilitated discussion: So what does all this mean for management, interpretation, and outreach in Bay Area national parks?

3:45-4:00 Closing remarks

4:00 Adjourn

Poster Presentations:

The Point Reyes National Seashore Lichen Diversity Study

Lawrence Glacy, M.A., J.D.

Growing Plants for Restoration while Conserving the Parks' Resources

Betty Young, Golden Gate National Parks Conservancy

Using high pressure water (H-M-O) to Control Invasive Plants in the Golden Gate National Recreation Area, Marin County, California

Maria Alvarez, NPS, Golden Gate National Recreation Area

Sustainable Nursery Practices

Michele Laskowski, Golden Gate National Parks Conservancy

The Effects of Sudden Oak Death at Golden Gate and Point Reyes

Alison Forrestel, NPS, Point Reyes National Seashore

National Parks in the San Francisco Bay Area Becoming Climate Friendly Parks

Allison Cryns, NPS, Golden Gate National Recreation Area

Photos of The Crissy Field Sea-Level Rise Gauge

Laura Castellini and Will Elder, NPS, Golden Gate National Recreation Area

Water Quality Monitoring in an Urban Watershed

Katie Booth, NPS, Inventory and Monitoring Program

Can We Infer Causation From Long-Term Observational Datasets?

Ben Becker, Pacific Coast Science and Learning Center

Population Trends for The Point Reyes National Seashore Northern Elephant Seal Colony and Predictions for Future Growth

Ramona Zeno, University of California, Long Marine Lab- Center for Ocean Health

Seabird Education Awareness on Alcatraz: Reducing Disturbance through Education

Lishka Arata, PRBO Conservation Science

Catching Thermals and Sharing Cliffs: Balancing Climbing Activities and Raptor Nesting at Pinnacles National Monument

Gavin Emmons, NPS, Pinnacles National Monument