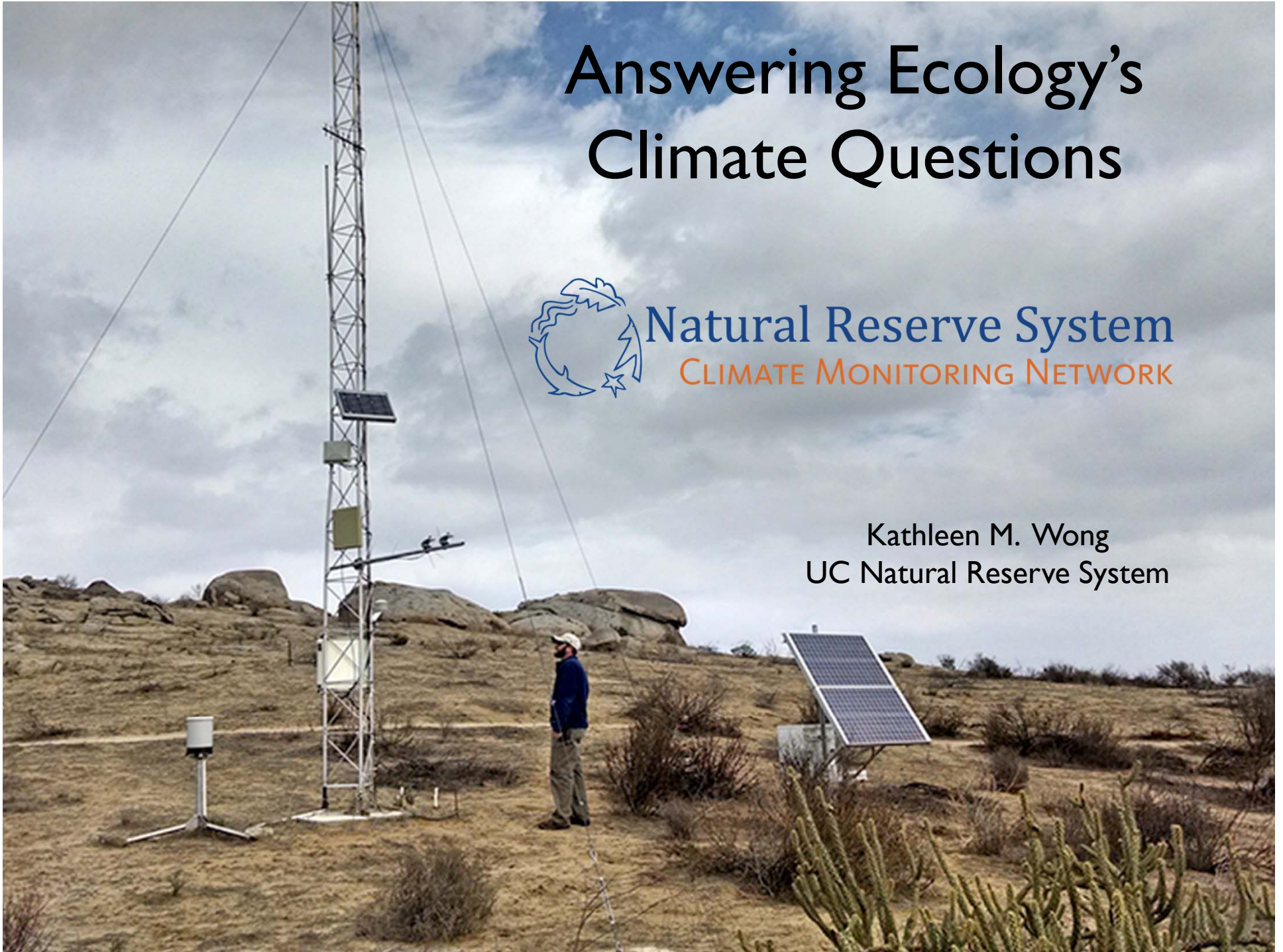


Answering Ecology's Climate Questions



Natural Reserve System
CLIMATE MONITORING NETWORK

Kathleen M. Wong
UC Natural Reserve System



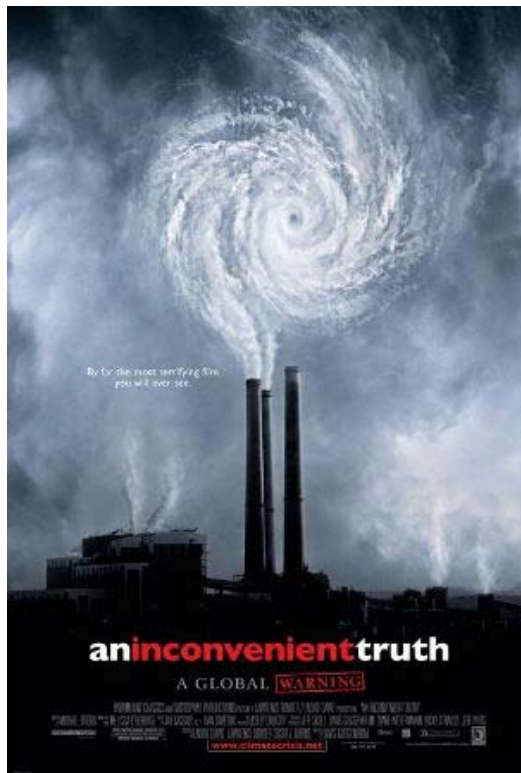


Grinnell Glacier - from Overlook
Glacier National Park



Unknown Photographer, courtesy of GNP Archives

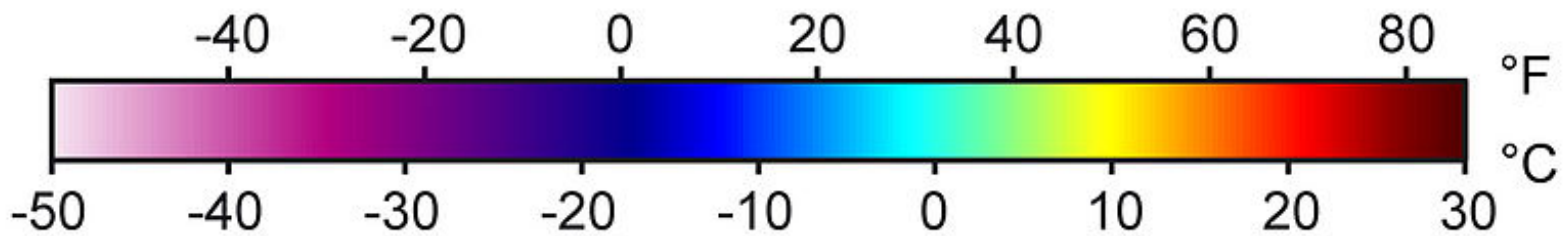
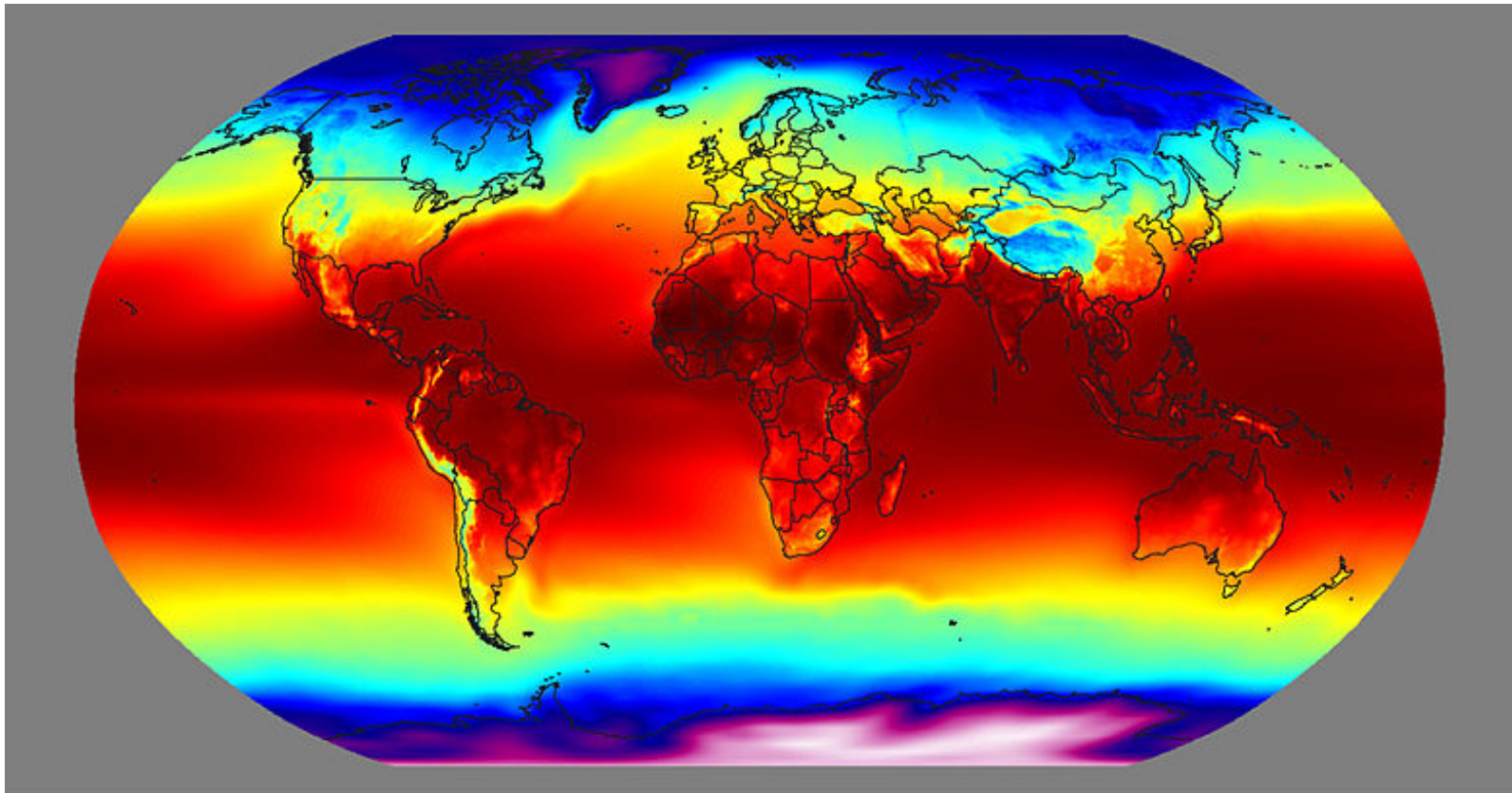
circa 1940



Karen Holzer photo, USGS

2006

What is climate change?



Annual Mean Temperature

The influences of climate

Buildings



Crops





CLUB MED

Clothing



JOHN HART/AP

Polar cold



ERIC RIGNOT, NASA JPL

Staying warm



USFWS

Desert heat



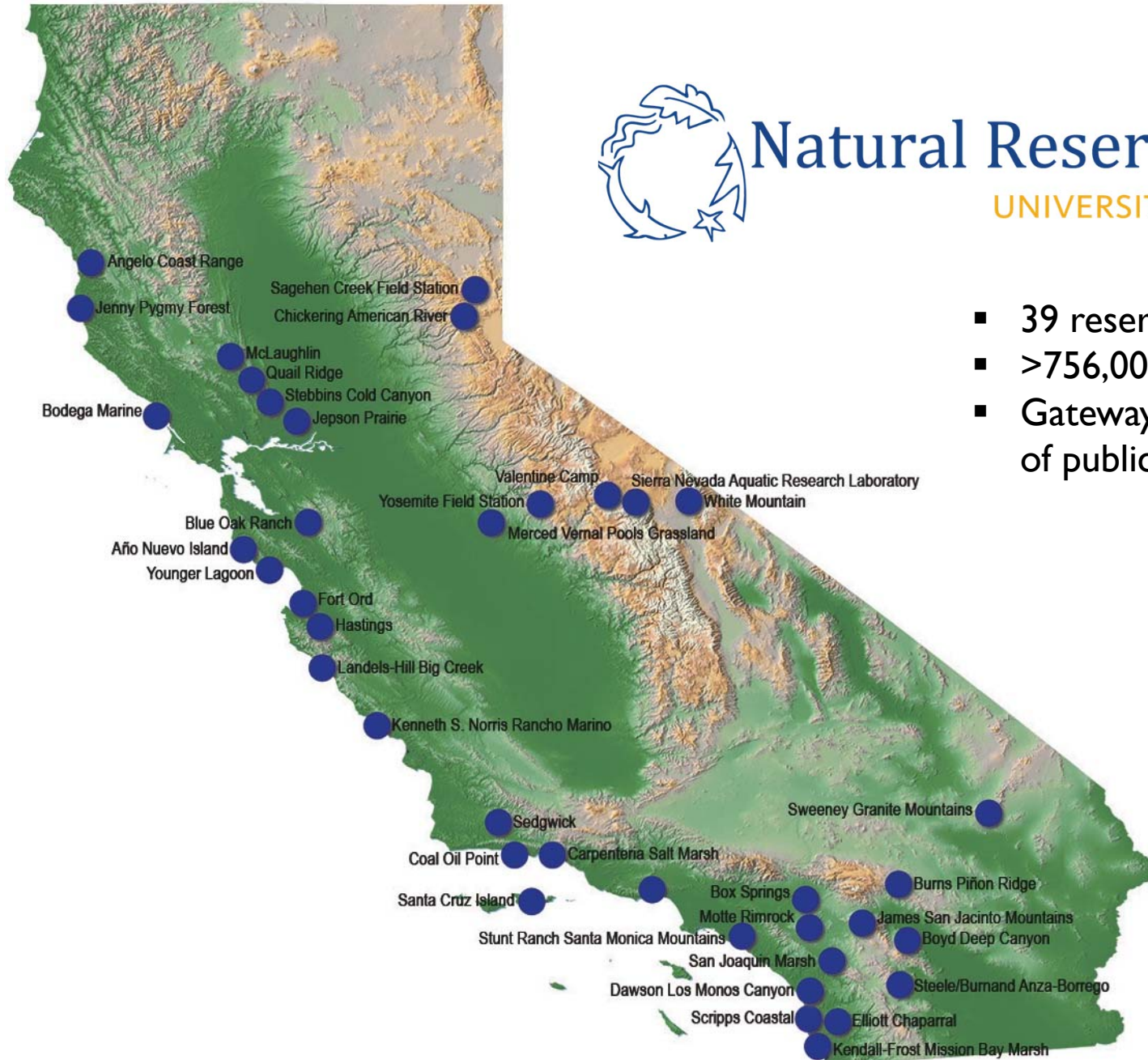
Staying cool





Natural Reserve System

UNIVERSITY OF CALIFORNIA



- 39 reserves
- >756,000 acres
- Gateway to >1 million acres of public land



GAGE DAYTON



JOHN ROTENBERRY



LOBSANG
WANGDU

A library of ecosystems



Angelo Coast Range Reserve



White Mountain Research Center

Steele/Burnand Anza-Borrego
Desert Research Center



CHRISTOPHER WOODCOCK (2)



Bodega Marine Reserve

Jepson Prairie Reserve



JOHN W. WALL

San Joaquin Marsh Reserve



CHRISTOPHER WOODCOCK

DANIEL LIBERTI

Yosemite Field Station





Natural Reserve System

CLIMATE MONITORING NETWORK

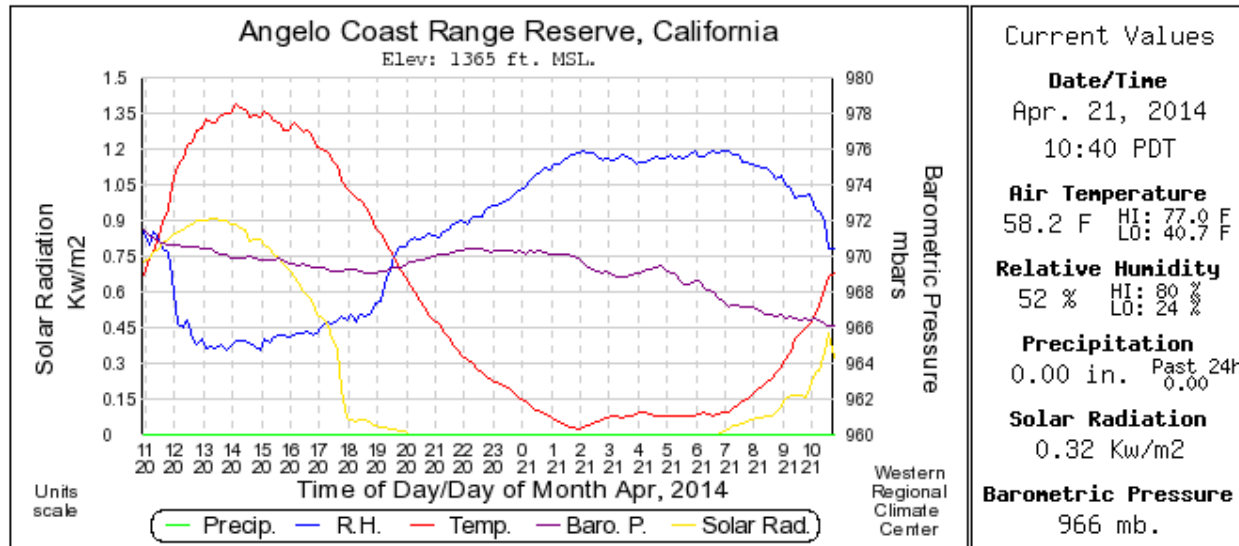
- \$300,000 NSF grant
- 26 stations
- High-precision equipment
- Same data collection protocol
- Comparable data
- Data freely available online



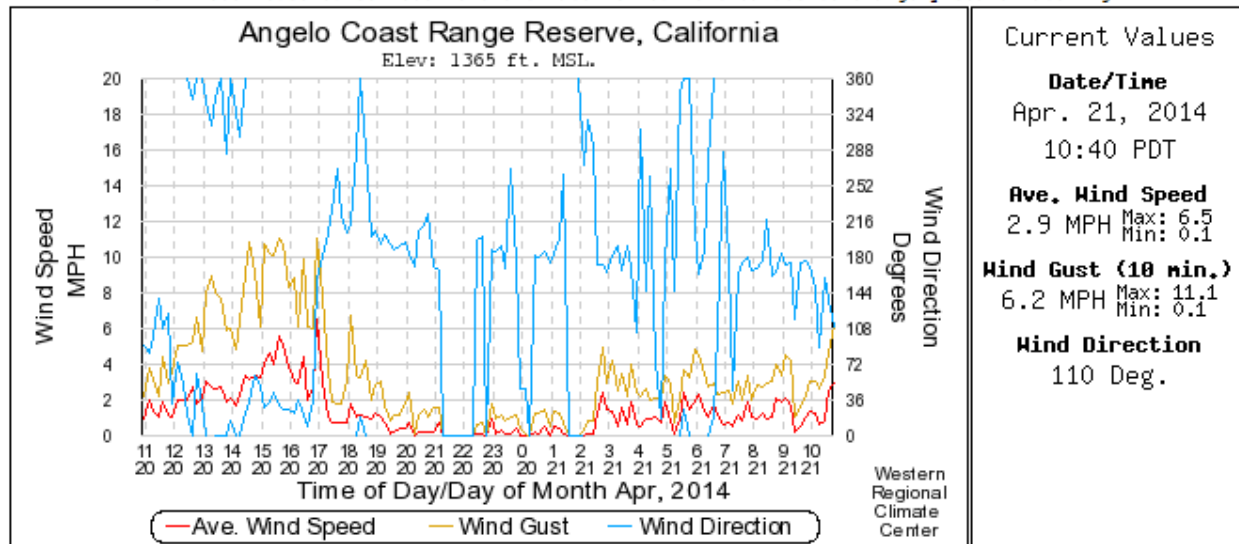
Angelo Coast Range Reserve, California Weather Station

Weather station at Angelo Coast Range Reserve, California. 10 minute data updated every 10 minutes. You may have to click reload button to update if you have visited this page earlier.

- [Data table for graphs](#)
- [Historical Weather Data](#)



* NEW FEATURE: Move mouse cursor over element label or current values to change y-scale labeling.



Sedgwick Reserve



KATE MCCURDY



Sagehen Creek Field Station



LOBSANG WANGDU (2)



How climate affects species

QT LUONG



Change on a landscape scale



San Joaquin Valley

today



in 2100?

Explaining species disappearances

WA DFW



San Bernardino flying squirrel



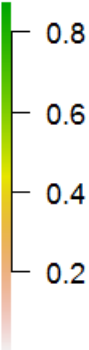
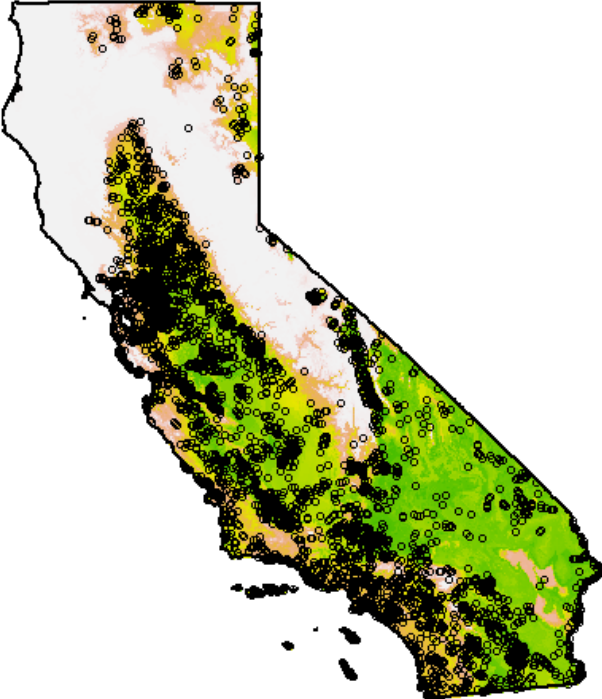
James San Jacinto Mountains Reserve

CHRISTOPHER WOODCOCK

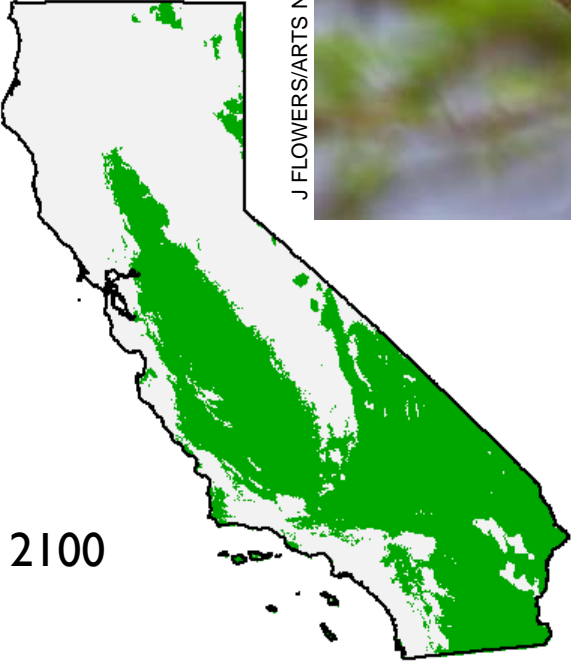
San Jacinto Mountains

Rare and Endangered Species Protections

predicted range today...



and in 2100



J FLOWERS/ARTS N IMAGES 2013

loggerhead shrike

California Phenology Project



BRIAN HAGGERTY

the science of the seasons



J SAYRE



Thank you!

Landels-Hill Big Creek Reserve

CHRISTOPHER WOODCOCK