

Project Summary Report

Prepared by
Daniel A. Sarr

1/23/2014

TASK AGREEMENT NO.:
J8WXXXXXXX

COOPERATIVE AGREEMENT NO.:
H8W07060001

EFFECTIVE DATES:
09/1/2008 to 01/31/2010

COOPERATOR: Oregon State University

PROJECT TITLE: An Assessment of Temporal and Spatial Trends in Historical Climate Data for the Klamath Network Parks

FISCAL YEAR FUNDING: 2008

ACCOUNT # 2131-0800-NII

NOT TO EXCEED: \$61,401

PROJECT ABSTRACT: The Klamath Network comprises six National Park Service units in Southern Oregon and Northern California, including Crater Lake National Park, Lava Beds National Monument, Lassen Volcanic National Park, Oregon Caves National Monument, Redwood National and State Parks, and Whiskeytown National Recreation Area. The parks of the Klamath Network are all strongly characterized by unique combinations of microclimatic features, and park staffs are very concerned about the potential effects of climate change on biological elements of interest within their boundaries. They are particularly concerned about the stability in summer fogs at Redwood, temperature and snowpack dynamics at the higher elevation parks, and linkages between general climatic features and extreme disturbance events. This task agreement provided financial resources to Oregon State University to analyze climatic data for parks of the Klamath Network in collaboration with park and network science staff. This work provided insight into both temporal and spatial patterns and trends in selected climatic parameters both within and around the parks to support current management, inventory and monitoring, and to provide a quantitative baseline from which to assess effects of future climatic changes.

Project Deliverables

1. Final Project Report

Daly, C., J. Smith, and M. Daggett. 2009. An assessment of temporal and spatial trends in historical climate data for the Klamath Network parks. Unpublished Report on File, Klamath Network Inventory and Monitoring Program, Ashland, Oregon. 22 pp.

2. **Climate simulations** (these are a series of movie files showing changes in gridded climate data over the period from (these have been received and are on file at the Klamath Network Inventory and Monitoring Program Office; they are too large to e-mail, but they could be sent by Google Drive upon request).