

## Monitoring Program Overview

 Goals of the natural resource monitoring program

Legal mandates for monitoring

Monitoring in the Upper Columbia Basin Network parks

Science Communication & Outreach

## National Park Service Goals for Natural Resource Monitoring

Determine status and trends in selected natural resources.

Provide early warning signs of abnormal conditions of selected resources.

Provide data to better understand the dynamic nature and condition of park ecosystems.

Provide data to meet certain legal and Congressional mandates related to natural resource protection and visitor enjoyment.

### **Legal Mandates**

#### National Parks Omnibus Management Act of 1998

"The Secretary of Interior shall undertake a program of <u>inventory and</u> <u>monitoring</u> of National Park System resources to establish baseline information and to provide information on the long-term trends in the condition of National Park System resources."

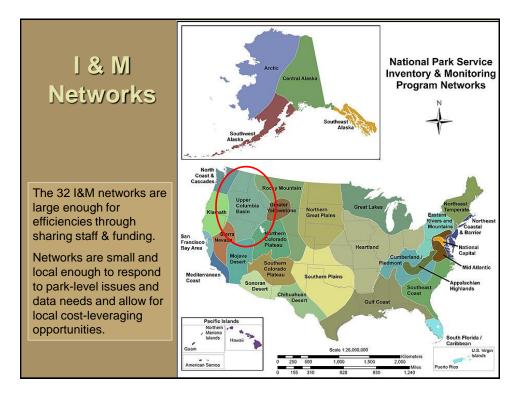


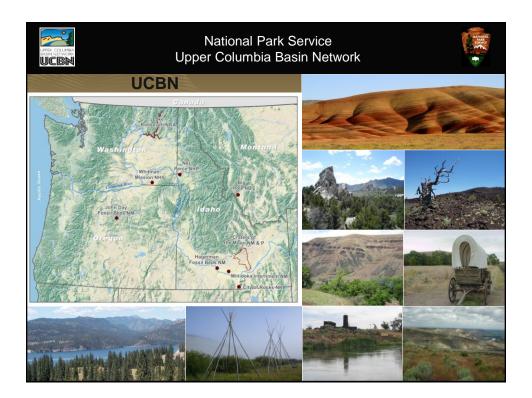
Rethinking the National Parks for the 21<sup>st</sup> Century

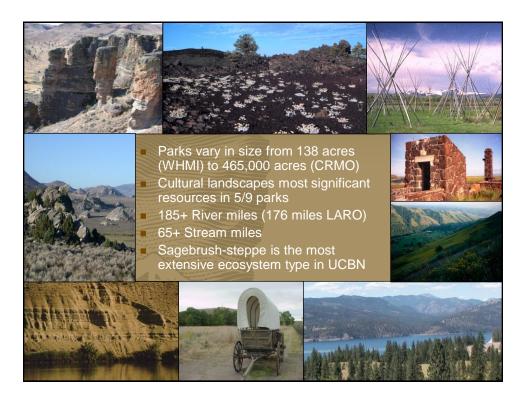


"A sophisticated knowledge of resources and their condition is essential. The Service must gain this knowledge through extensive collaboration with other agencies and academia, and its findings must be communicated to the public. For it is the broader public that will decide the fate of these resources."

Source: Rethinking the National Parks for the 21st Century. A Report of the National Park System Advisory Board, July 2001

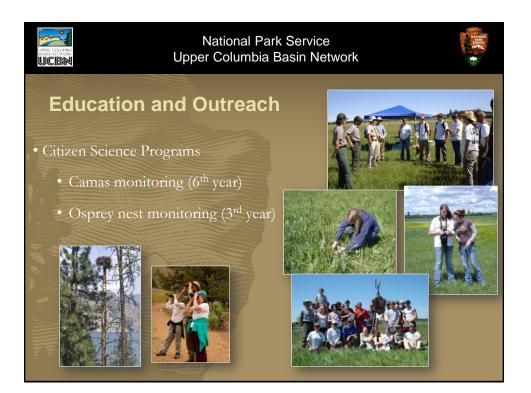


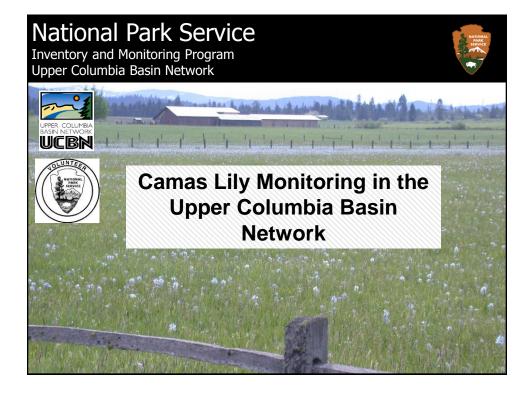


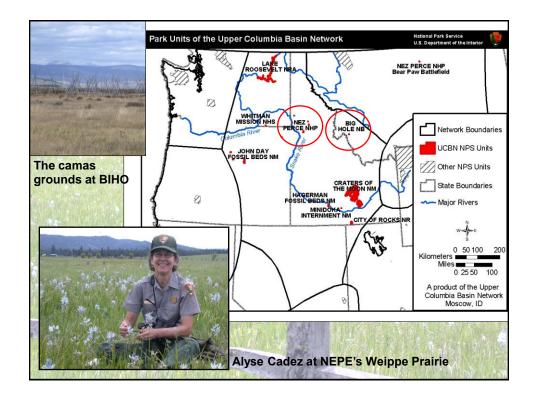


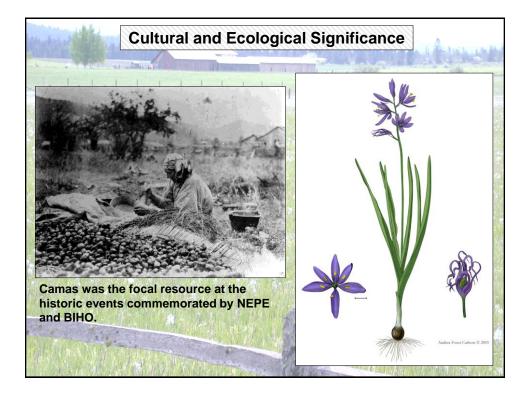




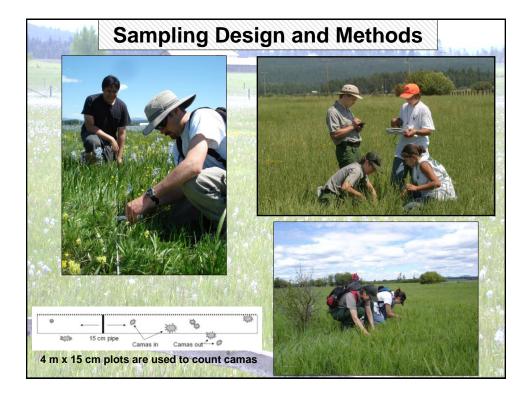


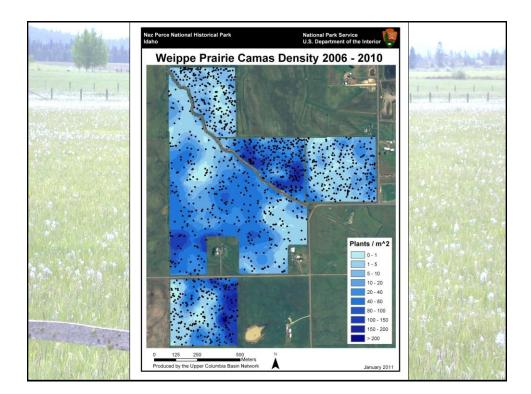












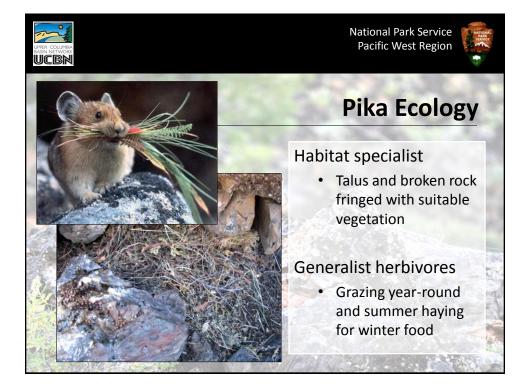
# Pika Monitoring

At Craters of the Moon NM&P

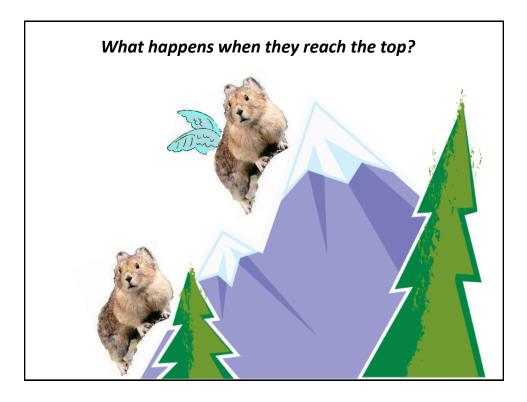
Other parks using this protocol: Crater Lake NP, Lassen Volcanic NP, and Lava Beds NM (plus parks in Yellowstone and Rocky Mountain Networks)

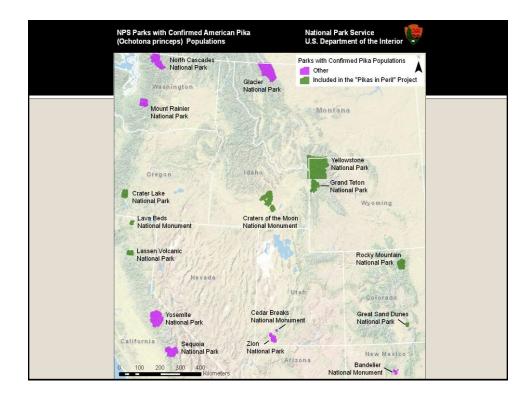


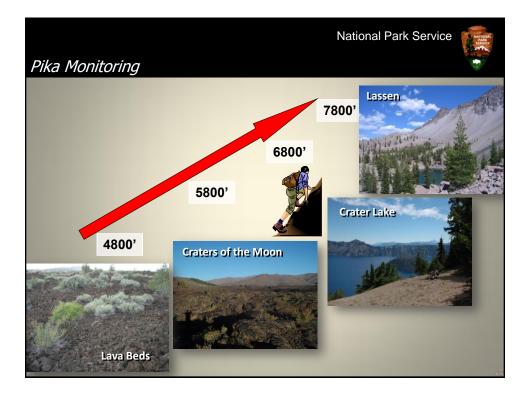








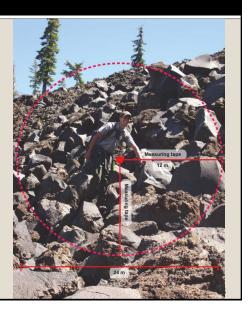


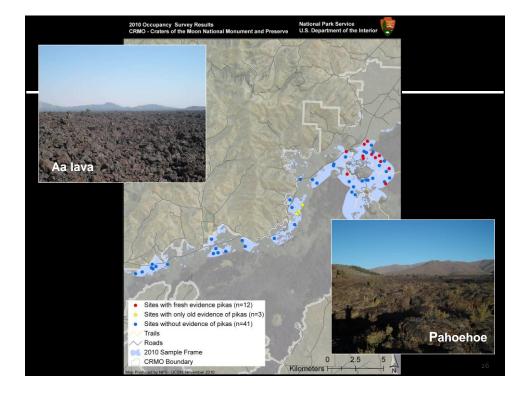


## **Survey Methods**

- 2 observers search
  12-m radius plot
  (= site) for:
  - Pikas and pika sign
  - 20 minute survey
  - Record site variables



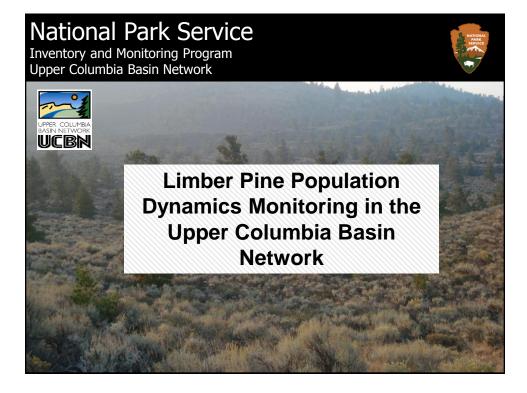


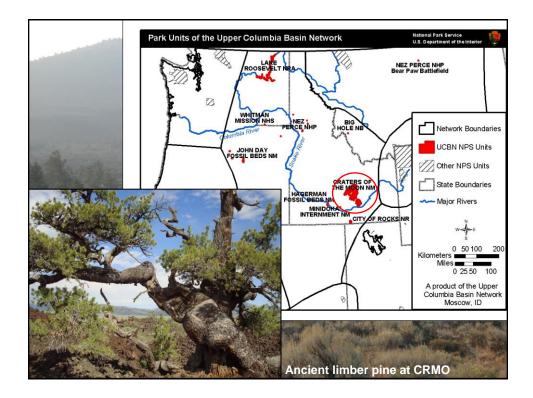


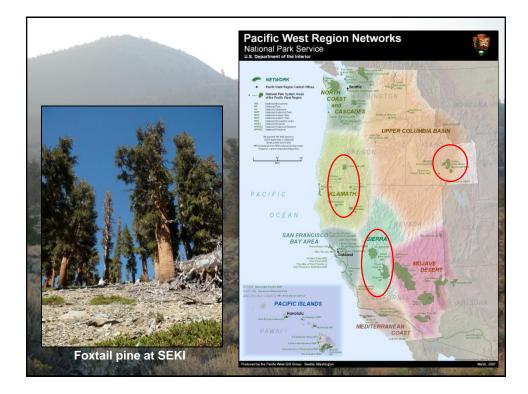
## **Monitoring Video**

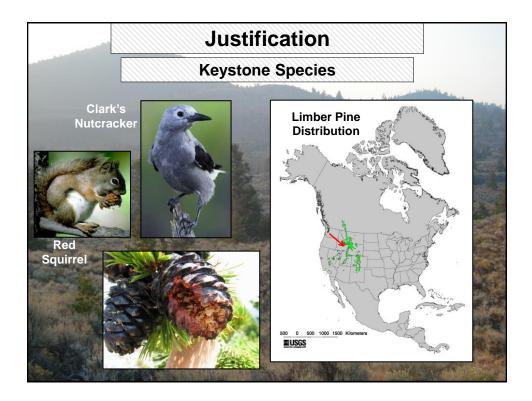
 Pika Monitoring Video (2010) produced by Michael Durham

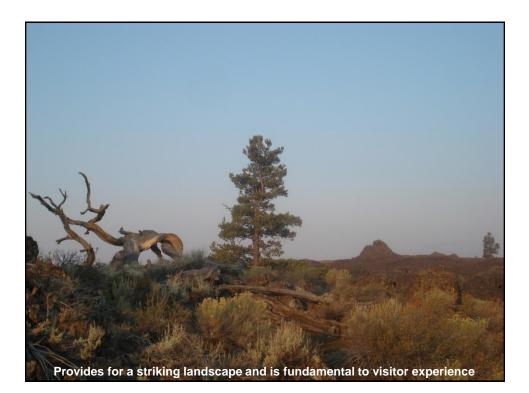


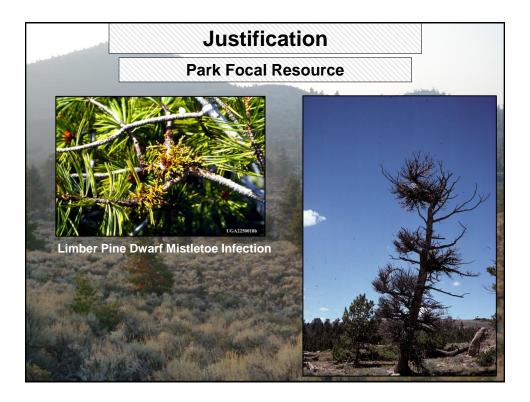


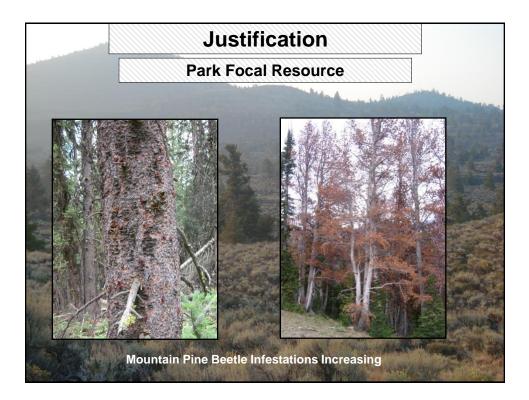


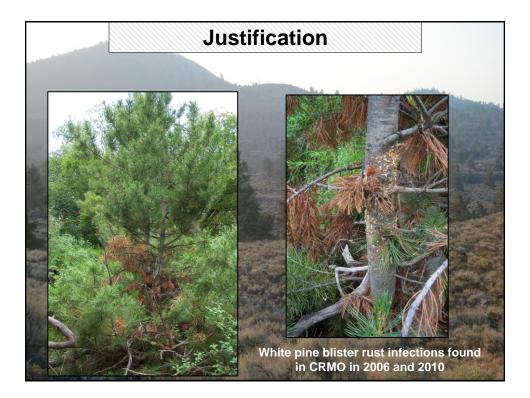


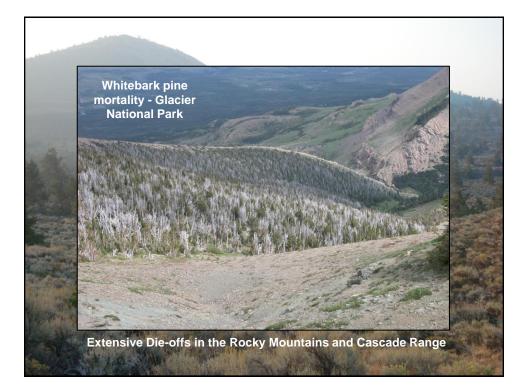


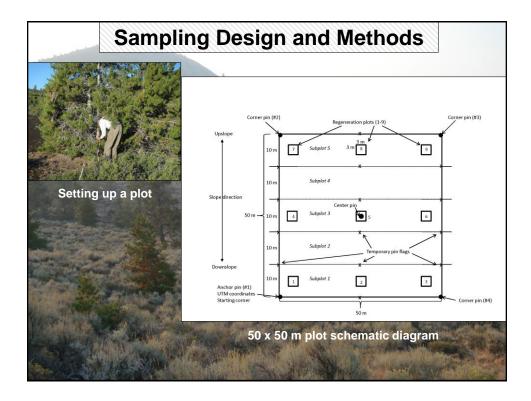




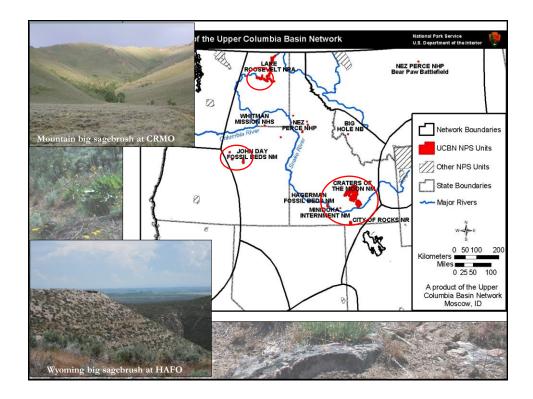


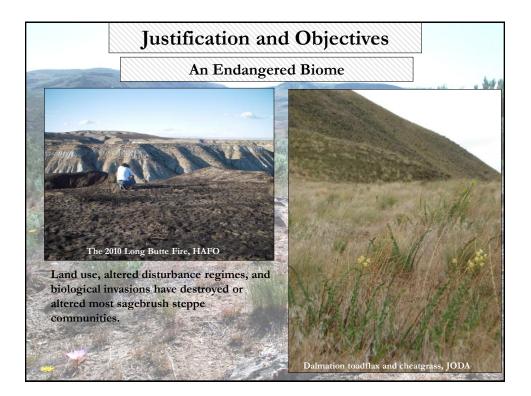


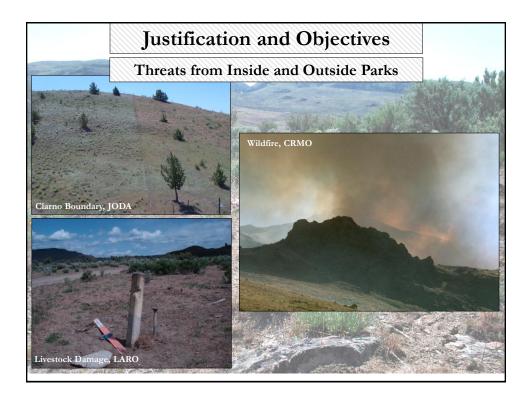


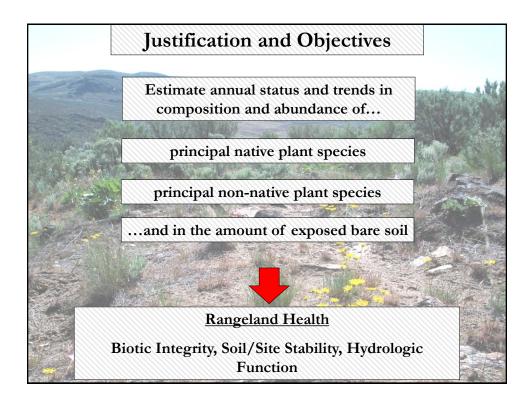


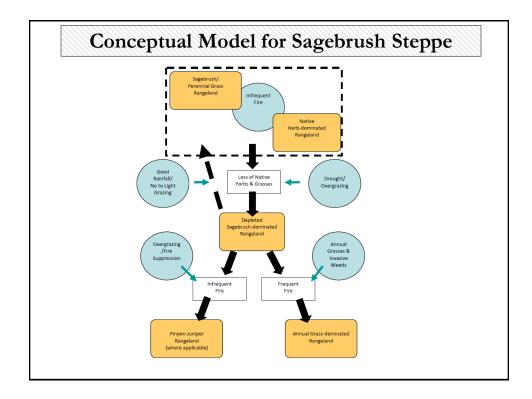


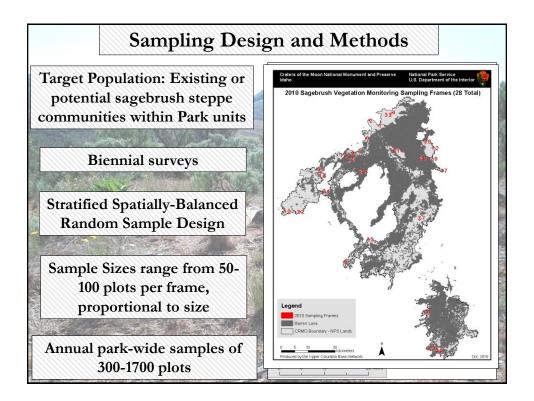


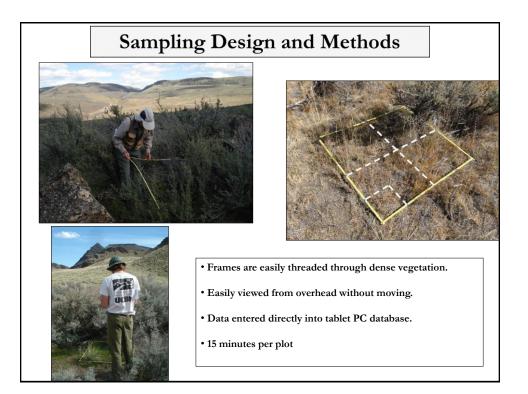


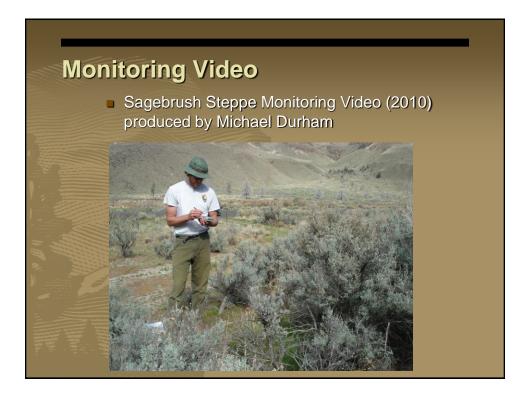














Volunteer with the National Park Service (NPS) and help care for these special places.

Volunteers-In-Parks (VIPs) work side-by-side with National Park Service employees and partners in parks from Maine to Hawaii, from Alaska to Florida, in big cities and small towns, even in remote wilderness areas.



