Locating and resurveying the Grinnell-era pika locations in the Lassen Transect region of northern California

John Perrine, California Polytechnic State University, San Luis Obispo

12 September 1923

4 August 2009
4 survey areas in summer 2009 (Aug 4 – Sept 4):

A) Lassen Volcanic National Park
B) Mineral area
C) Eagle Lake, S shore
D) Madeline Plains (2 sites)

(the next slide cuts out the empty space in between)
Of 17 Grinnell-era sites surveyed:

- Currently Occupied: 10 (blue circles)
- Abandoned: 6 (red squares)
- No pika sign: 1 (orange triangles)
Current status of Grinnell-era pika detection sites in Lassen Transect
(plotted by Longitude and Elev_ft)
Current status, all sites surveyed  \((n = 45)\)
How has climate changed since Grinnell?

Tingley et al. 2009 PNAS

(Bird breeding season)