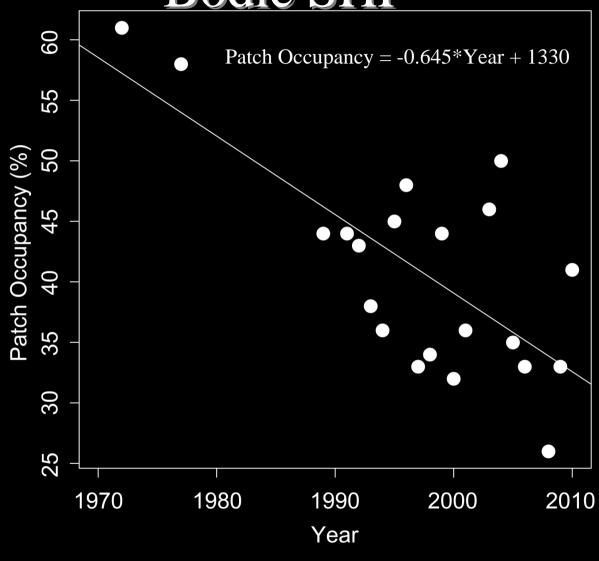
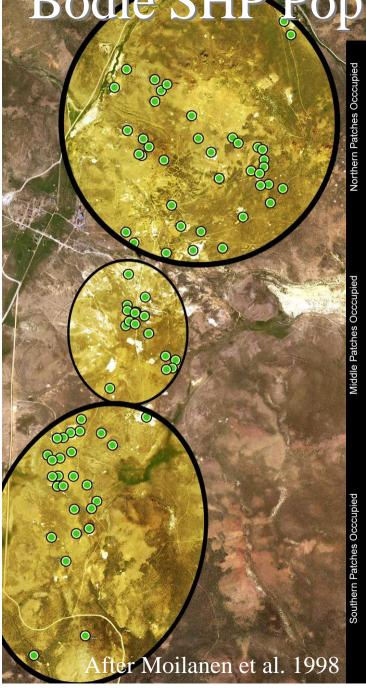
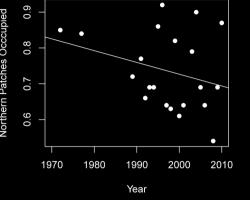
Overall Decline in Patch Occupancy at Bodie SHP

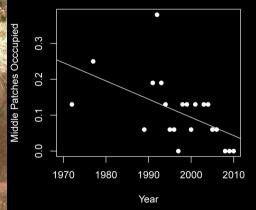


$$R^2 = 0.50, F_{1.19} = 19.11, P = 0.00033$$

Bodie SHP Pop. Trends by Patch Network



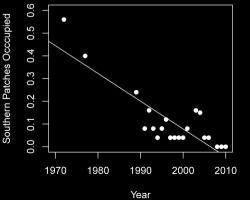




Northern Patches:

Non-significant decline (n = 39, P = 0.198) Without 2010 significant decline (n = 39, P = 0.0692)

Middle Patches: Significant decline (n = 16, P = 0.0133)



Southern Patches: Significant decline $(n = 25, P = 8.70 \times 10^{-7})$

Bodie Hills Survey (2010 data)

Three Regions Examined:

- Bodie SHP
 - 41% occupied and in decline
 - ~80 Anthropogenic talus patches surveyed

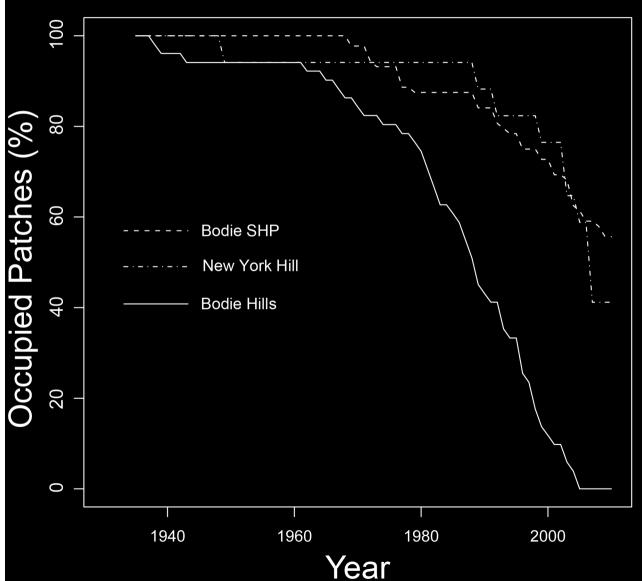
New York Hill

- 41% occupied and in decline
- 17 Anthropogenic talus patches surveyed

Bodie Hills proper

- 0% occupied
- 51 Natural talus patches surveyed

Temporal Pattern of Pika Decline in the Bodie Hills, CA



Bodie Hills curve is significantly different from Bodie SHP & NY Hill curves (*P* << 0.001)

Status of Bodie Hills Pikas

 Bodie Hills pika populations suffered a region-wide collapse in the late 20th century

• Two declining relict populations survive on vulnerable anthropogenic sites: **Bodie SHP** and **New York Hill**