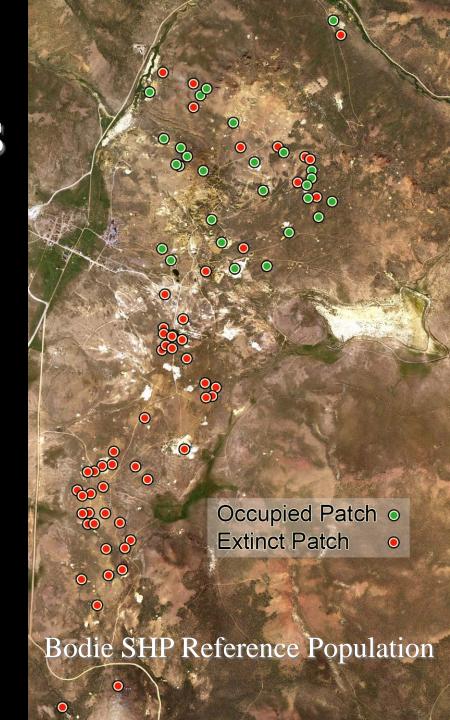
DATING BODIE HILLS PIKA EXTINCTIONS USING FECAL PELLETS

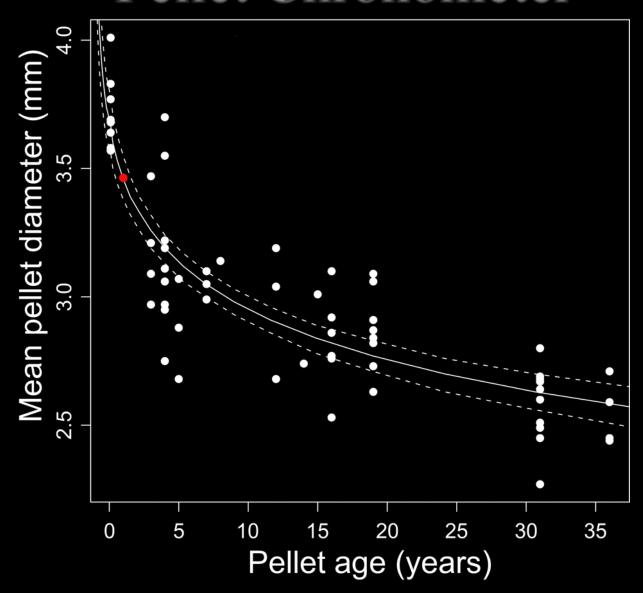
Lyle Nichols
Department of Life Sciences
Santa Monica College



Aging Pika Pellets

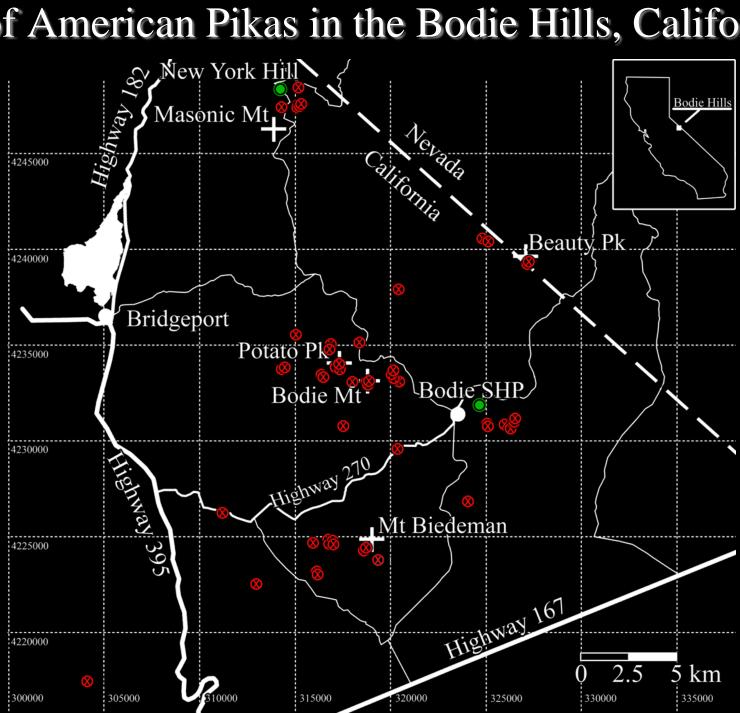
		and the second	
Qualitative Age	Chronological Age	Pellet Exterior	Pellet Interior
"Fresh"	Deposited within	Greenish brown	Bright green; fibrous
	the past week		material holds together when crushed
"Moderately fresh"	One week to	Greenish brown	Yellow-Green; fibrous
	several months old		material friable when
			crushed
"Moderately old"	Several months to 4	Brown	Brown; fibrous material
	years old		friable when crushed
"Old"	5 to 12 years old	Light gray	Light gray; powdery
			when crushed
"Very old"	Older than 12 years	Charcoal gray	Charcoal gray;
- Voly Gla	Gradi triari 12 years	Than obair gray	powdery when crushed

Pellet Chronometer

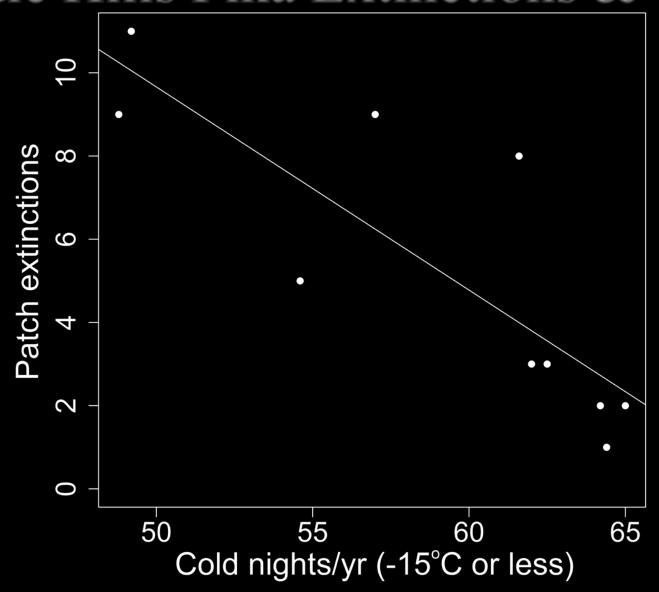


Mean pellet diameter (mm) = -0.697*Log(Pellet age(yrs)) + 3.67R² = 0.76, F(1, 60) = 189.6, p < 2.2×10^{-16} . Dotted lines represent 95% CI

Status of American Pikas in the Bodie Hills, California



Bodie Hills Pika Extinctions & Climate



Patch Extinctions = -0.4883*(cold nights/yr) + 34.1R² = 0.69, F(1, 8), p = 0.003