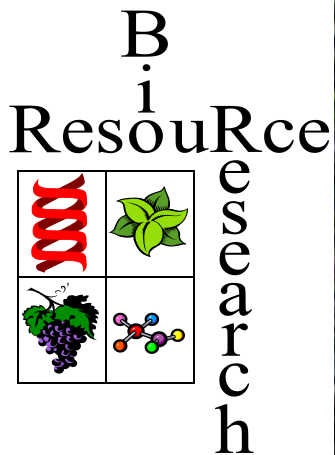


# Urban Business Rodent Control Behavior and Attitudes Toward Rodents and Impact on Non-target Wildlife

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# Overview

- The Problem
- What We Did
- What We Found
- What it Means

These data were collected as part of a larger research study funded in part by the U.S. Environmental Protection Agency. The analyses and other material presented in this thesis were completed for educational purposes only, and have not been reviewed by the Agency or peer-reviewed by the scientific community.

# The Problem

- Pest control is a common practice
- Non-target effects on wildlife also occur
- Specific interest in anticoagulants
- Rodenticide policy enacted in 2008
- Limited information exists on use practices
- Recent research exists on household rodenticide use

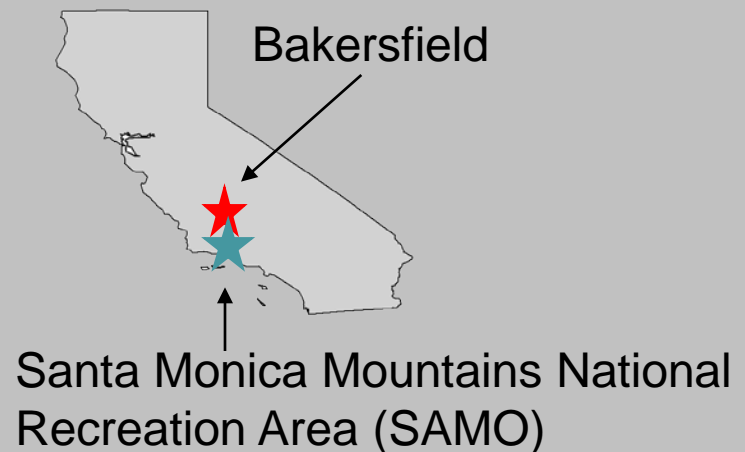


# What We Did

## Study Area

- Bakersfield, California
- Santa Monica Mountains National Recreation Area (SAMO) in California

## Survey 2007



# What We Did

## Information collected on survey

1. Pest controlled for
2. Concern for impacts on non-target wildlife
3. Awareness of potential impacts to non-target
4. Potential to change current practices, given knowledge of non-target impacts

# What We Found

## Pests Controlled for

Species	Bakersfield (%) <i>n</i> = 27	SAMO (%) <i>n</i> = 30	HOAs - SAMO (%) <i>n</i> = 26
Mice	66.7	66.7	57.7
Rats	44.4	66.7	84.6
Squirrel	25.9	10.0	11.5
Gophers	22.2	16.7	57.7
Wood Rat	0	0	0
Rabbits	0	10	11.5
Other	14.8	6.7	15.4

# What We Found

Concern for impacts on non-target wildlife

Site	Mean/ $\pm$ SD
Bakersfield	3.86/1.42
SAMO	4.37/1.37
HOAs - SAMO	4.34/1.47



# What We Found

## Awareness of potential impacts

Site	%
Bakersfield	3
SAMO	5.2
HOAs - SAMO	22.2



# What We Found

Potential to change current practices, given knowledge of non-target wildlife impacts

Site	Continue (%)	Change Type (%)	Reduce Use (%)	Stop Use (%)
Bakersfield	51.8	29.6	37.0	55.5
SAMO	60.0	20.0	16.6	23.3
HOAs - SAMO	65.3	19.2	26.9	50.0

# What it Means

- Mice and Rats = most controlled for
- In general people are concerned about impacts on non-target wildlife
- Awareness of potential impacts prior to this survey was very limited
- Potential to change rodenticide use, given knowledge of non-target impacts is high





