

# San Mateo County Mosquito and Vector Control District

## Rodent Control Program



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# Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)

EPA - Risk Mitigation Decision (2008) & Compliance (June 2011)

- Tamper-proof bait stations (protect children & pets)
- Prohibit sale of loose bait products – residential consumers
- Impose sale & distribution restrictions – residential consumers
- Intent to cancel/ban certain rodenticide registrations (2013)

CA Department of Pesticides - regulatory review (2013)

- Adopted EPA's move to restrict sale & distribution of rodenticides

CA Department of Public Health – oversees District activities

# Target Rodent Species

Mission: Integrated Pest Management (IPM) control of commensal rodent species of public health significance

Commensal rodents continue to live successfully in close association with humans. Non-native to North America, these rodents can transmit diseases and become a severe nuisance with their ability to rapidly overpopulate an area and create extremely unsanitary conditions.

Underground burrow inhabitants, creek banks and sewers

Readily access structures, agile climbers, travel along power lines & fences



Readily access structures, remain close to food sources

# Historical & Current Rodent Control Program

1970's - County Environmental Health initiated program based on public's complaints about rat infestation

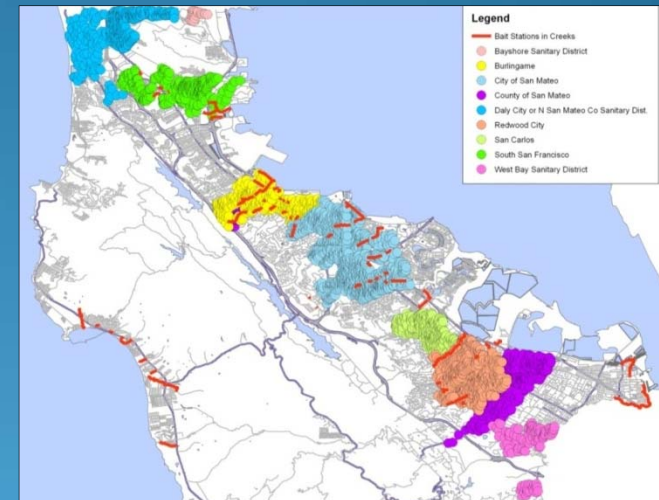
- Extensive surveys to locate problem areas
- Plague in rodents - Montara & San Bruno Mountain

2008 - Program transferred to SMCMVCD

- Oversight of cities' baiting programs (contract out)
  - Municipal sewers (year round)
  - Creeks (June - Sept)
- Unincorporated areas (Coastal, MP/Ath/RWC border- Fair Oaks)
- Periodic plague surveys with CDPHS and County EHS
- Residential inspections (advisory, no bait distribution)

# Cities with Baiting Programs

- Bayshore, West Bay Sanitary Districts - sewer
- Burlingame - sewer, creek
- Daly City/N. County - sewer
- Redwood City - sewer, marina, port, creek
- San Carlos - sewer, creek
- South San Francisco - treatment plant, produce market, creek
- San Mateo - sewer, creek
- Half Moon Bay - creek
- Miramar /unincorporated - riprap



Previous Areas of Coverage

# Rodenticides & Bait Stations

Cities with baiting programs:

- Bait - Bromadiolone
  - Tamper-proof bait station
  - Within 100 ft of structures

District unincorporated area:

- Bait - Bromadiolone
  - Tamper-proof bait stations
  - Within 100 ft from structures
- Non-poisonous bait blocks

FGAR – First generation (multiple feed)

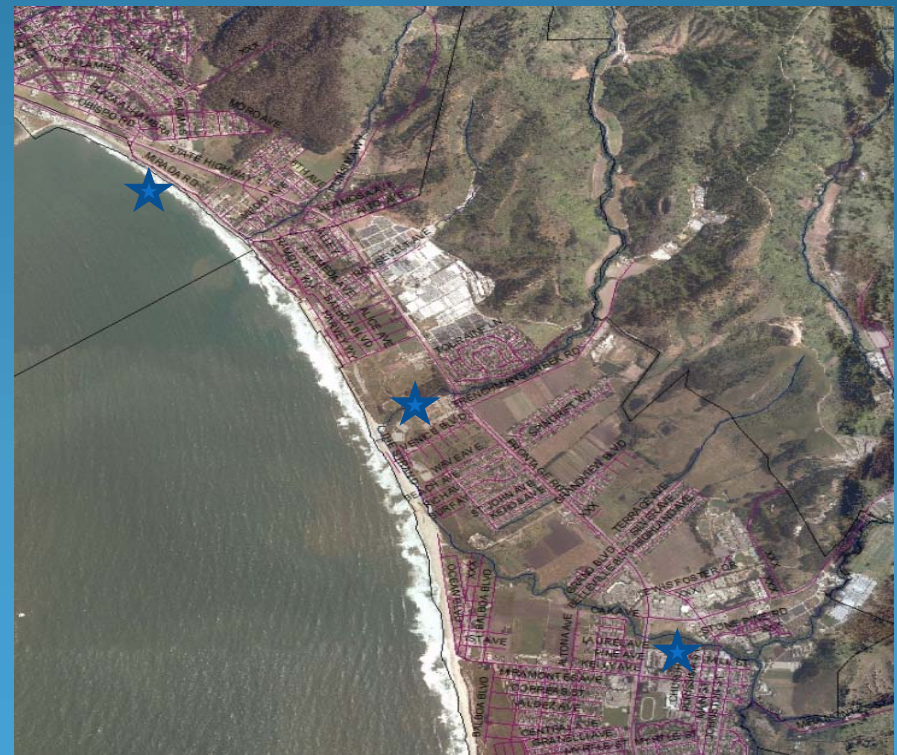
SGAR – Second generation (single feed)



Bait station - Tier I

# Coastal Areas— Half Moon Bay & Unincorporated

- Pilarcitos Creek  
(Downtown, residential)
- Frenchmans Creek  
(Sea Ranch Stables)
- Arroyo Canada Verde Creek\*  
(Canada Cove MHP)
- Mirada Rd  
(Unincorporated)



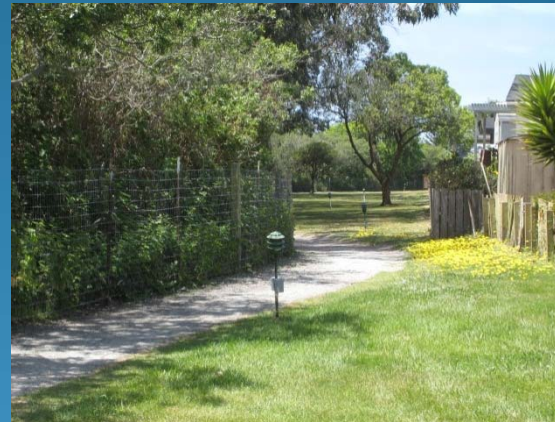
# Coastal Areas

HMB - Downtown



Pilarcitos  
Creek

HMB - Canada Cove MHP

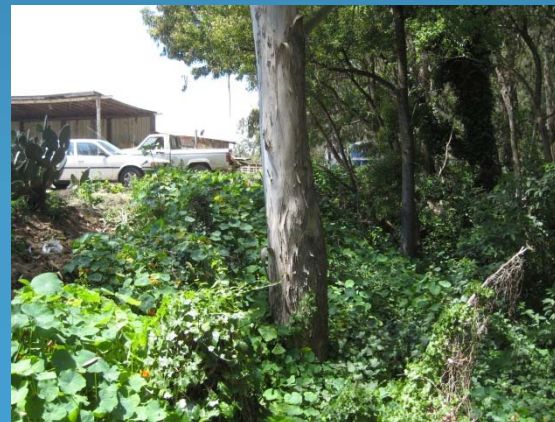


Arroyo Canada  
Verde Creek

Oceanside



Miramar - Mirada Road  
Riprap



Frenchmans  
Creek

HMB - Sea Horse Ranch Stables



# District's Responsiveness on the Coast

In response to 2011 regulations, District staff conducted a specific review of the program's coastal areas:

- Integrated Pest Management (IPM) approach
- Avoidance of endangered species habitat
- Non-poisonous bait monitoring
  - Miramar – Arroyo de en Medio Creek (West of Highway 1)
- Removal of all bait stations:
  - Princeton - Denniston Creek
  - HMB - Pilarcitos Creek (West of Highway 1)

# Strategies for the Coast

- Monitor with non-poisonous bait  
(pinpoint rat activity )
- Pulse baiting with FGARs  
(significant activity, sensitive areas)
- Continue to promote IPM  
(sanitation/vegetation management)



# Public Outreach

- Increase the public's awareness to promote responsible use of rodenticides
  - Literature distribution
    - *Responsible Use* brochure
  - Presentations to groups
  - Fairs/Public events
  - Door-to-door activities



# Future Considerations/Strategies - County Wide

## Extensive Program Review – 2014

- Implement coastal baiting program strategies
- Extensive monitoring – non-poisonous bait
- Creeks – FGARs; Sewers – SGARs
- Forum on Rats (outreach to PCOs)

