Who We Are

- Protecting public health since 1916

- Mission: "To safeguard the health and comfort of the citizens of San Mateo County through a planned program to monitor and reduce mosquitoes and other vectors."

- Independent special district funded by property taxes and special assessments

- Services provided at no charge to residents of San Mateo County
Overview
Integrated Pest Management

- Surveillance
- Biological control
- Physical control
- Larval/Adult control
- Public education
• **803** property visits in 2018

• Site inspections

• Requests for service

• Mosquito surveillance
San Bruno
Service Request Locations

- 77 Mosquito related
- 42 Rodent
- 26 Stinging Insects
- 10 Insect ID
- 7 Dead bird
Total 179
Resurgence of rats

FIELD IDENTIFICATION OF DOMESTIC RODENTS

ROOF RAT  Rattus rattus
LONGER THAN HEAD + BODY
LIGHT SLENDER
LARGE
LARGE POINTED
EAR
EYE
NOSE

TAIL
BODY

YOUNG RAT
LARGE
LARGE
FEET
HEAD

HOUSE MOUSE
Mus musculus

NORWAY RAT  Rattus norvegicus
SHORTER THAN HEAD + BODY
HEAVY THICK
SMALL
SMALL
BLUNT

SCALE IN INCHES
0 1 2 3

PIECE BY U.S. Department of Health, Education, and Welfare
Public Health Service
Communicable Disease Center
Atlanta, Georgia
Signs of Rodent Activity

- Live or dead rodents
- Noises/odors
- Gnawing damage
- Droppings
- Tracks
- Rub marks
- Damage to fruit or gardens
Rodent Exclusion

- Seal up ALL openings larger than a dime
- Doors and windows should shut tightly with no gaps
- Check where wires and pipes enter the home
- Don’t forget roof openings and eaves!
- Seal up garages and sheds, too
Sanitation

- Harvest fruit promptly
- Rodent proof cans
- Feed pets indoors
- Pick up pet waste
- Don’t leave bird feeders out at night
Avoiding Vehicle Damage

- Rodent-proof your garage
- Trim vegetation away from driveway
- Keep hood open
- Leave a light on
- Start vehicle frequently
- Avoid using car cover
- Be careful about food/crumbs in the car
Mills Field

- Over 150 acres
- Over 50 man hours
- Supported by SFO
Mills Field applications

Will start the first week in July and run through Sept/Oct.
West Nile Virus Activity in San Mateo County 2018

- 2 birds submitted by residents of SB
- 10 CO2 traps are deployed within a half a mile of where the positive bird is found
- If the mosquitoes test positive for WNV our district conducts a fogging treatment

137 birds tested for WNV
5 WNV positive bird
No mosquitoes tested positive for WNV
## Risk of Mosquito-Borne Disease in the Bay Area

<table>
<thead>
<tr>
<th>Disease</th>
<th>Risk Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dengue</td>
<td>extremely low</td>
</tr>
<tr>
<td>Chikungunya</td>
<td>extremely low</td>
</tr>
<tr>
<td>Yellow fever</td>
<td>extremely low</td>
</tr>
<tr>
<td>Zika</td>
<td>extremely low</td>
</tr>
<tr>
<td>West Nile virus</td>
<td>low</td>
</tr>
</tbody>
</table>
What is Spartina?

- Spartina is a perennial grass that is grown in tidal areas.
- It was introduced here by the Army Corps of Engineers in the 1970s to help with erosion control.
- The Spartina alterniflora became hybridized with native Spartina foliosa and this version became the dominant vegetation type in these tidal areas.
- USFWS and California State Coastal Conservancy established the Invasive Spartina Project in 2000 in hopes to eradicate the hybridized spartina.
San Bruno Marsh in 2008
Open House April 18th

Everyone is welcome!
For Further Questions

- Stop by the office at 1351 Rollins Rd. in Burlingame
- Call (650) 344–8592
- Email info@smcmvcd.org
- Visit www.smcmvcd.org