



PLACER  
MOSQUITO  
& VECTOR  
CONTROL  
DISTRICT



# Placer Mosquito & Vector Control District

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*Protecting Public Health since 2001*



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## Who Are We?

**We are an independent special district established under the California Health and Safety Code (Sec 2000 et seq.)**

- **Non-enterprise** – no fee for services, funding comes from benefit assessments, and other taxes.
- **Independent Special District** – is a local governmental entity separate from municipalities (cities) or county governments (like a water or sewage district)



# Placer Mosquito & Vector Control District

## **GOAL**

*We strive to reduce mosquito and other vector populations, promote awareness of vectors and vector-borne diseases, and decrease health risks to residents of Placer County.*

# What is a Vector?

"Vector" means any animal capable of transmitting the causative agent of human disease or capable of producing human discomfort or injury...



-CHSC Sec 2000 (k)



# TICKS

- Wear light colored clothing and launder appropriately (DRY in dryer, high temps kill ticks)
- Use REPELLENT! (30% DEET)
- Do full-body tick checks
- Promptly and correctly remove any attached tick
- Be aware of any illness following a suspected tick bite
- Control vegetation and debris around your home or workplace

# Ticks



**Western Blacklegged Tick**  
(Lyme Disease Vector)

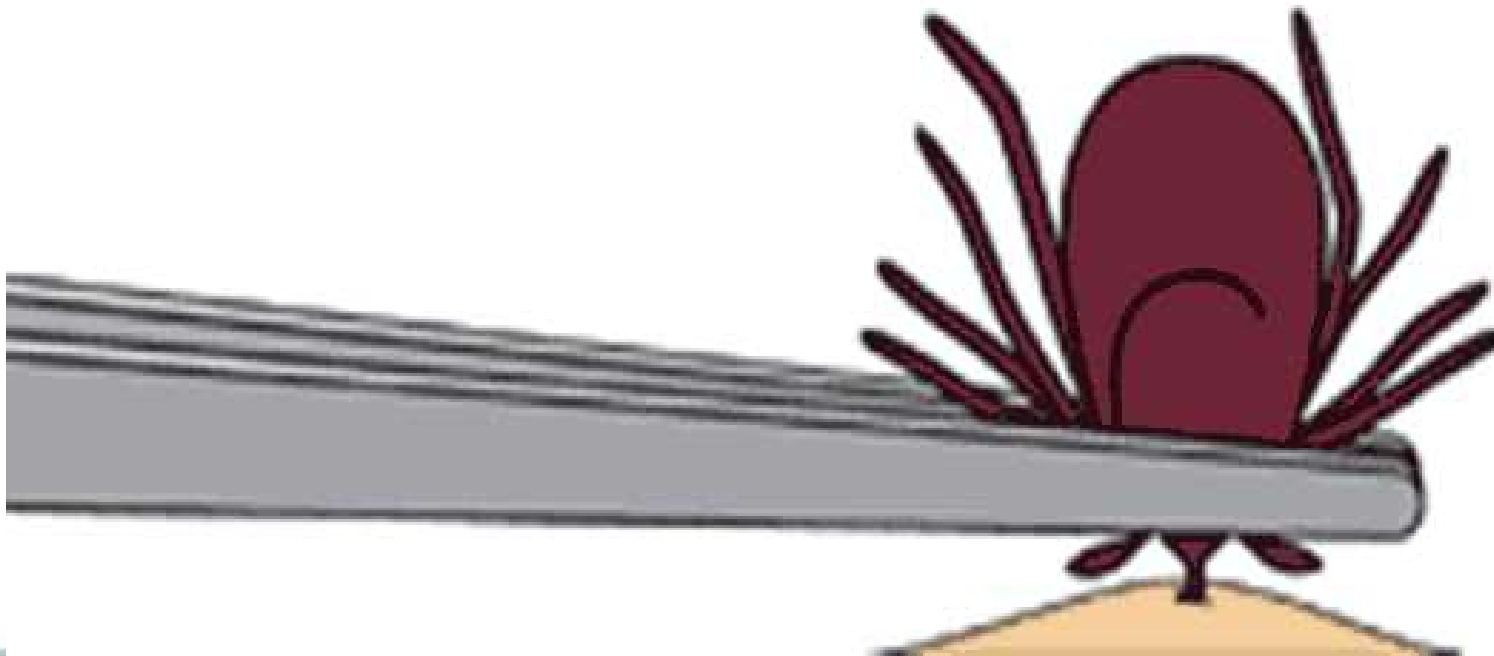
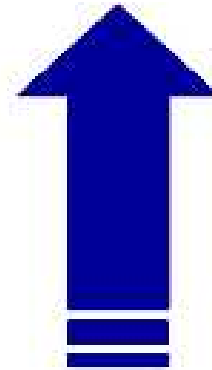
**American Dog Tick**





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# Remove an attached Tick







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# Yellow Jackets

- AVOID NESTS
- Practice good sanitation
  - Cover and remove garbage, especially food
- Be aware of anyone who may be allergic and carry appropriate medications
- Contact the District for trapping and nest removal assistance







# MOSQUITOES

- DRAIN sources of standing water regularly
- DEFEND yourself and your home from mosquitoes.
  - Avoid being outside at dusk and dawn
  - Use repellent
  - Wear loose-fitting clothes, long sleeves and pants
  - Make sure door and window screens are in good condition
- DISTRICT resources are available to help – call us to request information or service.



# West Nile Virus 2012

- Conducted weekly trapping
- Inspection and treatment of larval sources on-going
- Tested over 2,100 mosquito samples
  - 60 WNV positive dead birds
  - 8 sentinel chicken seroconversions
  - 108 WNV positive mosquito samples
  - 12 human cases (1 fatality)



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## Placer County West Nile Virus Activity

	2011	2012
Human Cases	1	12
Horse Cases	2	0
Dead Birds	10	60
Mosquito Samples	48	108
Sentinel Chickens	6	8
Squirrels	0	0



# Projects in the Lincoln Area

## Adult Mosquito Surveillance

- 12 designated mosquito trap sites
- Two sentinel chicken coops (set up by May)

## Larval Surveillance

- Rice fields
- Irrigated pastures
- Catchbasins
- Residential sources

Ongoing work with reported mosquito and vector problems throughout the season



# Larval Mosquito Surveillance



- Field Technicians sample standing water for larvae
- Draining water prevents adult mosquitoes



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# Adult Mosquito Trapping

- Weekly trapping
- Count and ID species
- Additional trapping to assess problem areas







# Ongoing Projects

- Sierra Pacific collaboration to minimize mosquito development, to be launched in late spring
- Outreach and Education Campaign
- Mosquito resistance testing and efficacy testing
- Collaboration with local rice growers



# How Can You Protect Public Health?

- Identify potential mosquito sources
- Collaborate with the District to control or eliminate mosquito sources
- Identify and eliminate tick shelters (debris and vegetation) around homes and work areas
- Identify potential yellowjacket nests and call the District for help
- Spread the word about our services and preventive measures



*Visit our new website to:*

- Get more Information
- Request service
- Receive Spray notifications

[www.placermosquito.org](http://www.placermosquito.org)



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# Placer Mosquito & Vector Control District

**1-888-768-2343**

(1-888-PMVCD-HELP)

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