



Staff Report

AUGUST 13, 2019

TO: Honorable Mayor and Members of the Town Council
FROM: Sean Rabé, Town Manager
DATE: August 5, 2019
RE: Placer Mosquito & Vector Control District

Recommendation

Hear presentation and receive and file.

Issue Statement and Discussion

As part of Placer Mosquito & Vector Control District's Vector-borne Disease Management Plan, they provide education and information to Placer County residents and agencies on how to prevent and manage vectors. Joel Buettner, Placer Mosquito & Vector Control District General Manager, will give a presentation updating Council on the District's activity.

CEQA Requirements

There are no CEQA implications associated with the recommended action.

Financial and/or Policy Implications

None with the recommended action.

Attachments

A PowerPoint presentation

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Placer Mosquito & Vector Control District

Joel Buettner



District Mission

"To effectively and efficiently manage the risks from vectors and vector-borne disease in order to protect public health and quality of life in Placer County"





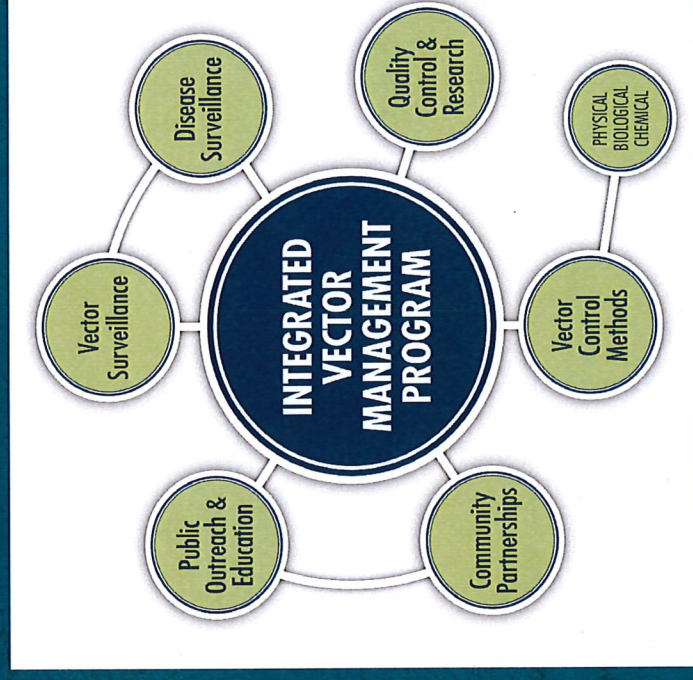
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Integrated Vector Management

*IVM is a science-based
decision-making process
focused on protecting
public health*

IVM is achieved through:

- Management of vector populations
- Interrupting the transmission of vector-borne pathogens
- Use of environmentally-sound methods





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www.placervmcd.org

California West Nile virus Activity

	2019
Human Cases	4
Dead Birds	43
Mosquito Samples	1371
Sentinel Chickens	3



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for
Meadow

Placer County West Nile Virus Activity

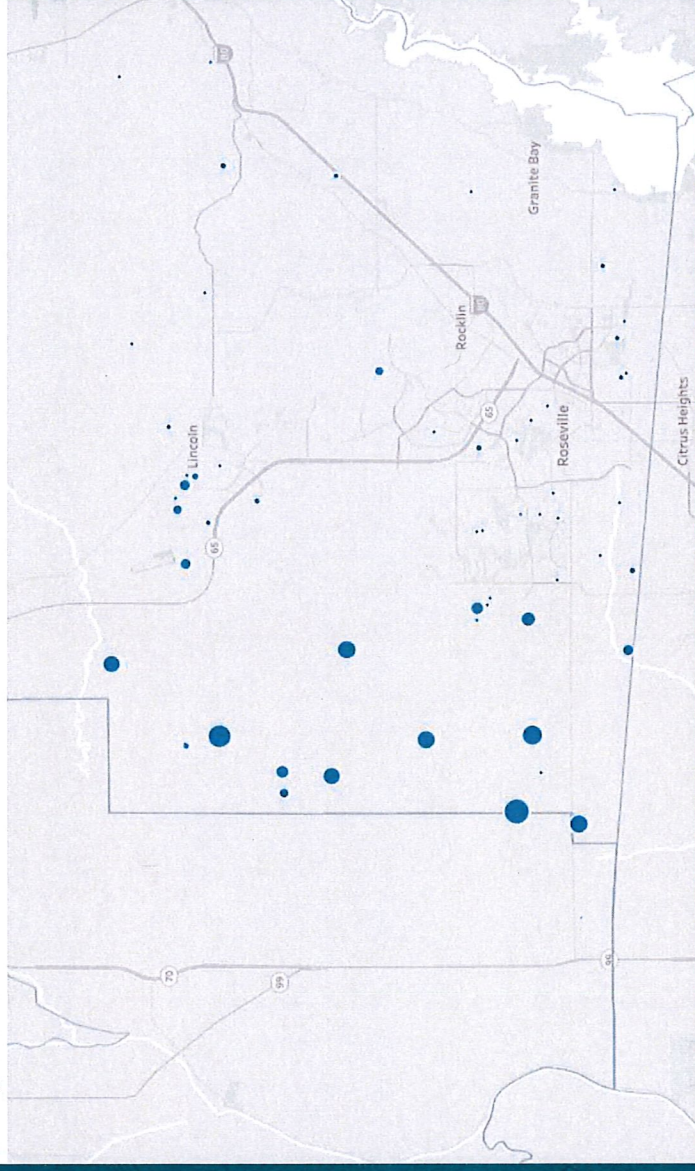
	2018	2019
Human Cases	9	0
Dead Birds	44	0
Mosquito Samples	230	4
Sentinel Chickens	4	0



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5-Year West Nile virus activity

WNV map Year Totals





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Challenges for 2019

- Potential for invasive mosquito species
- Return to pre-drought water use (and misuse) behaviors



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Invasive Mosquitoes



Aedes albopictus (**Asian tiger mosquito**) detected in
2011 in Los Angeles county



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Invasive Mosquitoes



Aedes aegypti (yellow fever mosquito)

detected in Fresno, Madera, and San Mateo counties in 2013. Imperial County in 2014.



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Invasive Mosquitoes

Why are they important?

- *Aedes aegypti* has the ability to transmit Zika virus, dengue virus, chikungunya and yellow fever.
- *Aedes albopictus* has the ability to transmit dengue and chikungunya viruses but also: West Nile, Eastern equine encephalitis, Japanese encephalitis dog heartworm parasites.
- They are hard to eradicate.



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Innovations for 2019

- Invasive Mosquito Pre-detection Surveillance
- Statewide data project – Visual Gateway
- Expansion of the MAC-UAS program



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How Can You Protect Public Health?

- Identify and report potential mosquito sources
- Report dead birds (877) 968-2473
- Collaborate with the District to address mosquito sources
- Alert residents and provide accurate and up-to-date mosquito control information by being partners in District outreach efforts and social media



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Placer Mosquito & Vector Control District

1-888-768-2343
(1-888-PMVCD-HELP)
www.placermosquito.org