

# Mosquito Control Matters

## FIGHT THE BITE

Current Issues and Challenges Related  
to Mosquito Control

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District Manager



# Mission: Protect Public Health

- To provide safe, effective and economical mosquito and vector control. To accomplish this, we provide ongoing surveillance of mosquitoes and other vectors to determine the threat of disease transmission and lower annoyance levels.
- District operates under the California Health and Safety Code

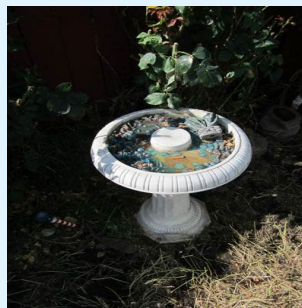
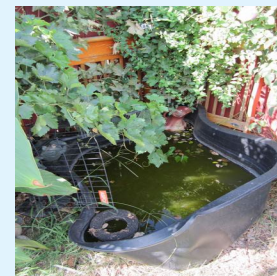
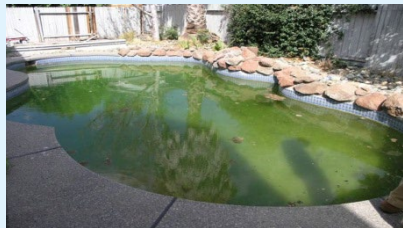


# Integrated Mosquito Management Approach

- Public Information
- Surveillance
- Biological Control
- Ecological Management
- Chemical Control



# Different Mosquito Breeding Habitats



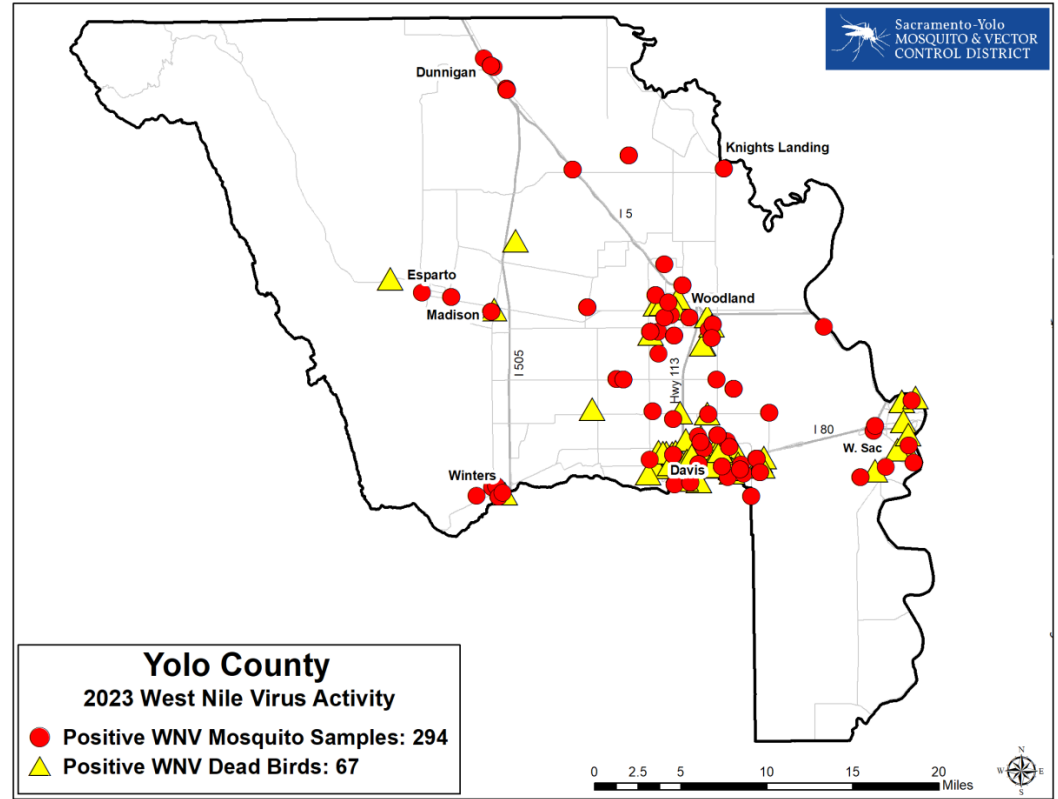
# 2024 could be another intense mosquito season

- Record amount of rain in 2023 led to many mosquito breeding sources
- Last year there was a sharp increase in West Nile virus activity throughout the state
- Concern for another long and intense mosquito season ahead.



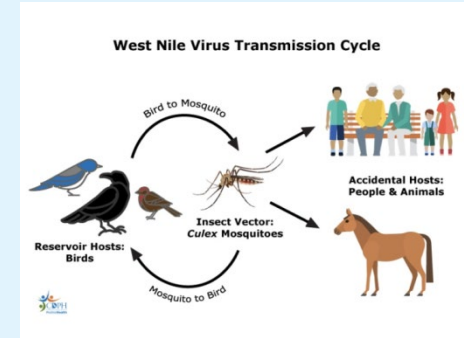
# West Nile Virus Activity in Yolo County

Human Cases of WNV	2023	2022	2021	2020
Sacramento County	53	5	6	9
Yolo County	39	3	4	5



# WNV Activity in California

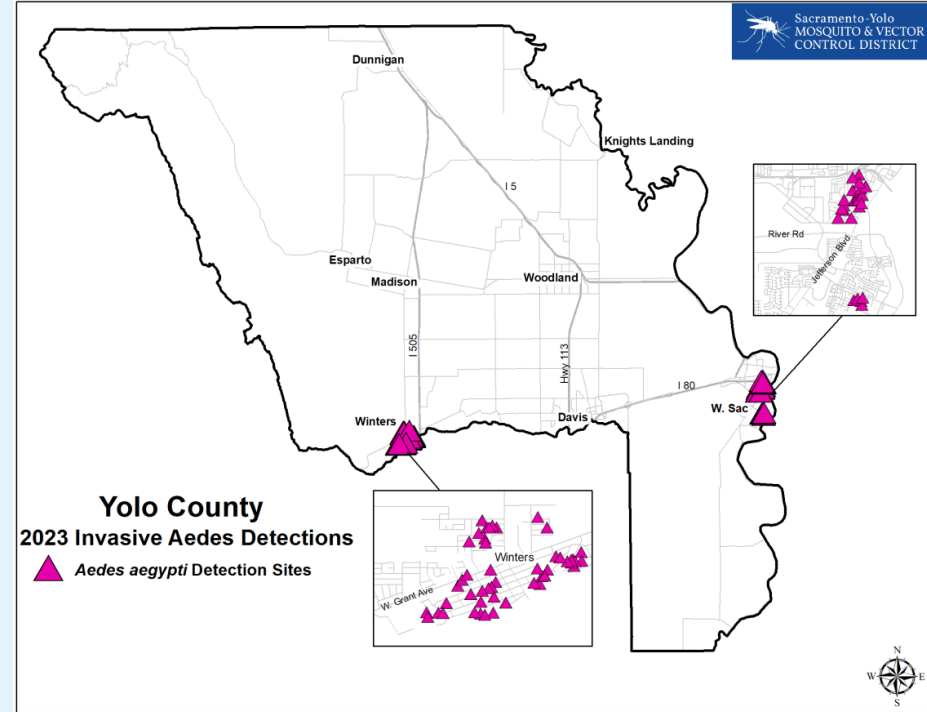
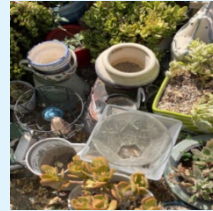
<u>Year</u>	<u>Mosquito Samples</u>	<u>Human Cases</u>	<u>Potential Cases</u>
2023	4522	428	12,000-30,000
2022	3165	221	6,000-15,000
2021	2,263	148	3,000-8,000
2020	2,628	231	6,000-15,000
2019	3,288	225	6,000-15,000
2018	1,963	218	6,000-15,000
2017	3,371	536	16,000-37,000



**\*\*WNV is extremely under reported. The Centers for Disease Control estimates that for every neuroinvasive case confirmed, there are approximately 30-70 cases that are not reported\*\***

# Detections of Invasive Mosquitoes

- Discovered for the first time in 2019 within District boundaries and have been rapidly spreading.
- In 2023 invasive mosquitoes were detected for the first time in West Sacramento.
- The city of Winters continues to be have a large established population of invasive mosquitoes.
- Las year for the first time in California, there were two cases of locally transmitted dengue (in Long Beach and Pasadena).



# Thank you!



**1-800-429-1022**

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Sacramento-Yolo  
MOSQUITO & VECTOR  
CONTROL DISTRICT

[www.FIGHTtheBITE.net](http://www.FIGHTtheBITE.net)  