

NORTHERN NEVADA  
**Public Health**

# **2025 Season – Mosquito Abatement**

# Mosquito Abatement 2025

- Suspension of large area treatment for the 2025 Season (May-Sept)
- Continued surveillance and hand/drone treatments
- One of the largest NNPH expenditures that does not impact staffing
- FY25 Budget
  - Helicopter Contract - \$46,000
  - Chemicals - \$235,000
- Remained static for over 5 years with no increases
  - The primary products (larvicides) utilized for large area applications have increased 12.5% - 17.8% since 2021 with no budget increases
  - Helicopter cost per hour has increased 19.4% since 2021 with no budget increases

# Confirmed & Probable Cases, Washoe County

	2020	2021	2022	2023	2024	2025	Totals
<u>Chikungunya</u>	0	0	0	0	0	0	0
<u>Dengue Fever</u>	2	0	0	2	4	2	10
<u>Japanese Encephalitis</u>	0	0	0	0	0	0	0
<u>Malaria</u>	0	2	0	0	0	0	2
<u>West Nile Neuroinvasive</u>	0	0	0	1	0	0	1
<u>West Nile Non-neuroinvasive</u>	0	0	0	0	0	0	0
<u>Zika</u>	0	0	0	0	0	0	0
<u>St. Louis Encephalitis</u>	0	0	0	0	0	0	0
<u>Yellow Fever</u>	0	0	0	0	0	0	0
<u>Eastern Equine Encephalitis</u>	0	0	0	0	0	0	0
<u>Western Equine Encephalitis</u>	0	0	0	0	0	0	0
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>13</b>

## Locally-Acquired:

West Nile Neuroinvasive:  
1 case (2023)

## Imported:

Dengue Fever: 10 cases  
(2020-2025)

Malaria: 2 cases (2021)

**Total:** 13 cases

Mosquitos that transmit the diseases in yellow are not typically identified in Washoe County

# What will remain if large area abatement is reduced?

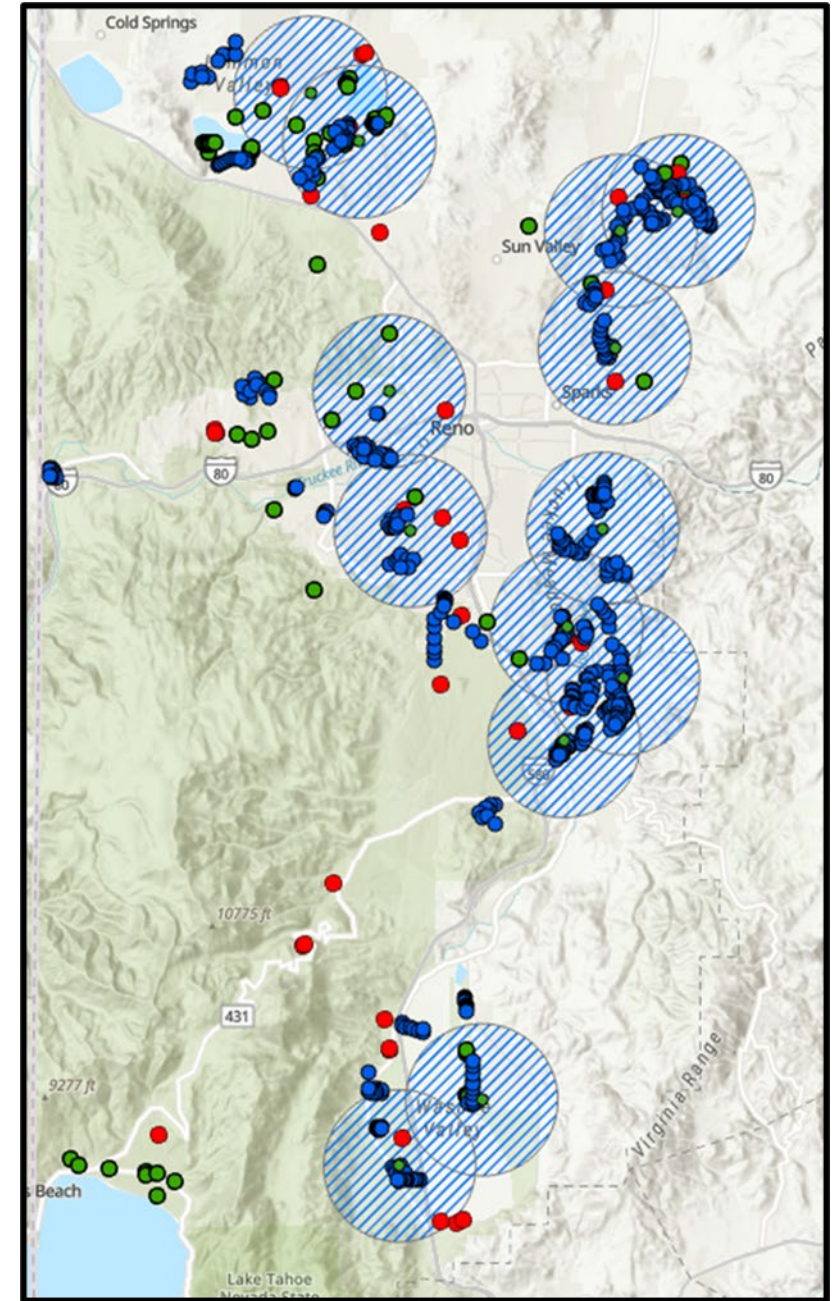
- Surveillance will continue
- Specific and targeted treatment will continue
- Complaints and requests for service are available and will be responded to by NNPH Staff and Interns
- Other vector-borne issues will still be investigated and addressed.

# Surveillance

- The Vector program averages 150 – 230 mosquito pools submitted for testing each month from May through September.
- Mosquito pools are submitted to the State lab for testing for West Nile Virus, St Louis Encephalitis, Eastern Equine Encephalitis, and Western Equine Encephalitis.

## Small bodies of water

- Staff investigate by dipping (utilizing a tool to identify mosquito larvae)
- Staff will be able to treat specific locations by hand or other methods to reduce the potential for mosquito breeding sources.



# Response to Complaints - 311

- Coordinate with Jurisdictional Authorities & Elected Officials
- What happens when a complaint is filed:
  - Complaint includes: Address, contact information, if getting bit – what time of day, is the land publicly accessible, etc.
- Staff response:
  - May call to obtain additional information
  - If resources are available, additional onsite investigation may occur
  - Education to assist the complainant will be provided
  - Additional treatment from staff at that time will be determined on-site

# Community Outreach/Education

- Media and Community Outreach:
  - Plan and prepare press releases
  - Social media outreach
  - Partner with jurisdictional partners
- How to prevent mosquito bites:
  - Eliminate all standing water
  - Reduce lighting around the home during dawn and dusk
  - Yellow lighting tends to attract fewer insects (check with the HOA before installing)
  - Consider outdoor repellent products
- Personal Protection
  - Long sleeve/long pants
  - Approved, over-the-counter insect repellent (EPA list)
  - Identify flu-like symptoms and seek medical attention
- Our team is available to provide information and guidance

# Questions?



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