

NORTHERN NEVADA

**Public Health**

# **2025 Season – Mosquito Abatement**

# Financial Stability

- Ongoing decisions to ensure long term financial stability
  - Positions held vacant
  - Grant funds maximized
  - Divisional Assessments
- Expenditures continue to outpace revenues
  - Personnel costs increased significantly due to Korn Ferry and PERS increases
  - EHS revenues appear to be coming under projections
- Grant funding instability

# Mosquito Abatement Funding

- Proposing suspension of large area treatment for 2025 Season
- 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
- NNPH normally treats areas in Washoe County beginning in May and consistently through September

# Confirmed & Probable Cases, Washoe County

	2020	2021	2022	2023	2024	2025	Totals
<a href="#">Chikungunya</a>	0	0	0	0	0	0	0
<a href="#">Dengue Fever</a>	2	0	0	2	4	2	10
<a href="#">Japanese Encephalitis</a>	0	0	0	0	0	0	0
<a href="#">Malaria</a>	0	2	0	0	0	0	2
<a href="#">West Nile Neuroinvasive</a>	0	0	0	1	0	0	1
<a href="#">West Nile Non-neuroinvasive</a>	0	0	0	0	0	0	0
<a href="#">Zika</a>	0	0	0	0	0	0	0
St. Louis Encephalitis	0	0	0	0	0	0	0
<a href="#">Yellow Fever</a>	0	0	0	0	0	0	0
Eastern Equine Encephalitis	0	0	0	0	0	0	0
Western Equine Encephalitis	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>

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

# What will remain if large area abatement is reduced?

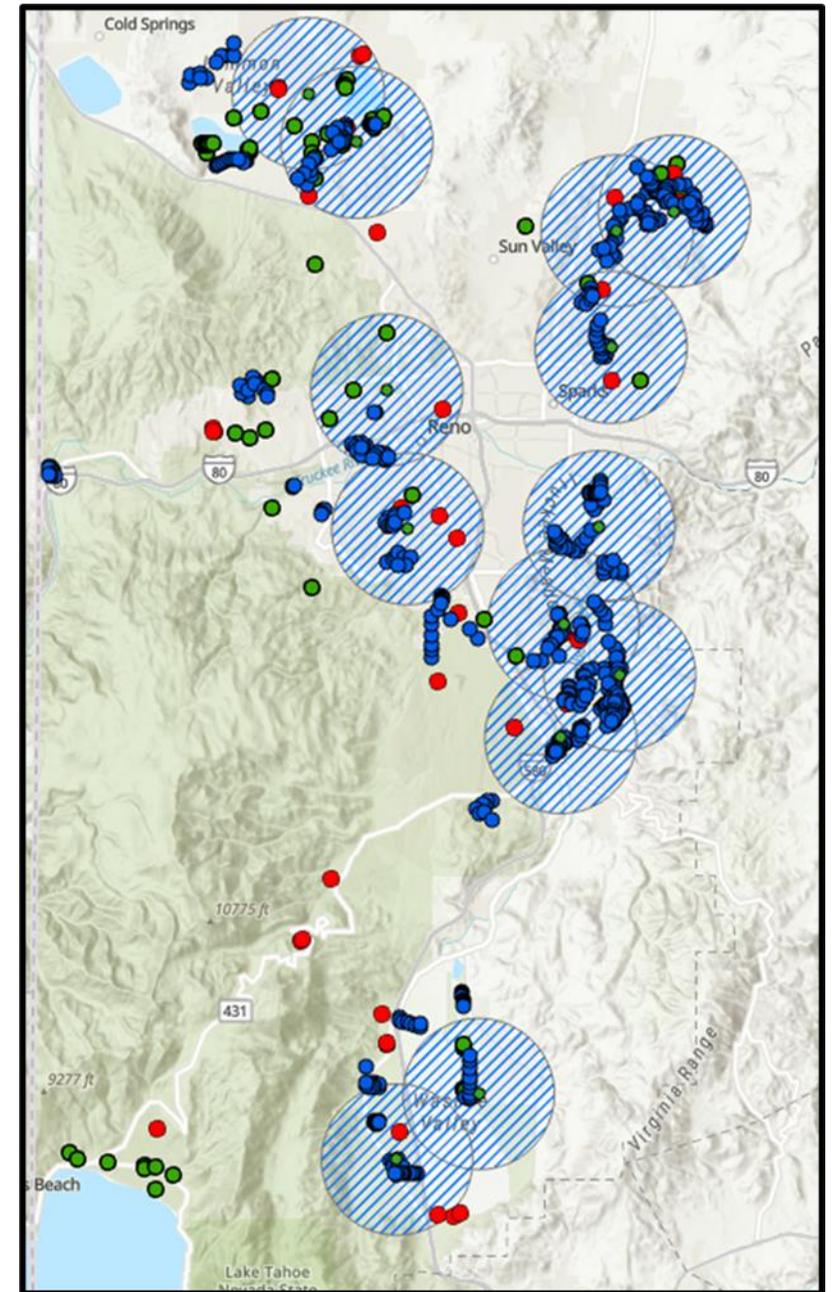
- Surveillance will continue
  - Staff will be placing mosquito traps throughout the county
  - Staff will be treating small and known sources of mosquito breeding in conjunction with surveillance
- Specific and targeted treatment will continue
- Complaints and requests for service are available and will be responded to by NNPH Staff and Interns
  - Staff will conduct surveillance and provide education at residential and commercial locations.
- 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 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 prepared 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 less insects (check with 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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**Public Health+**