

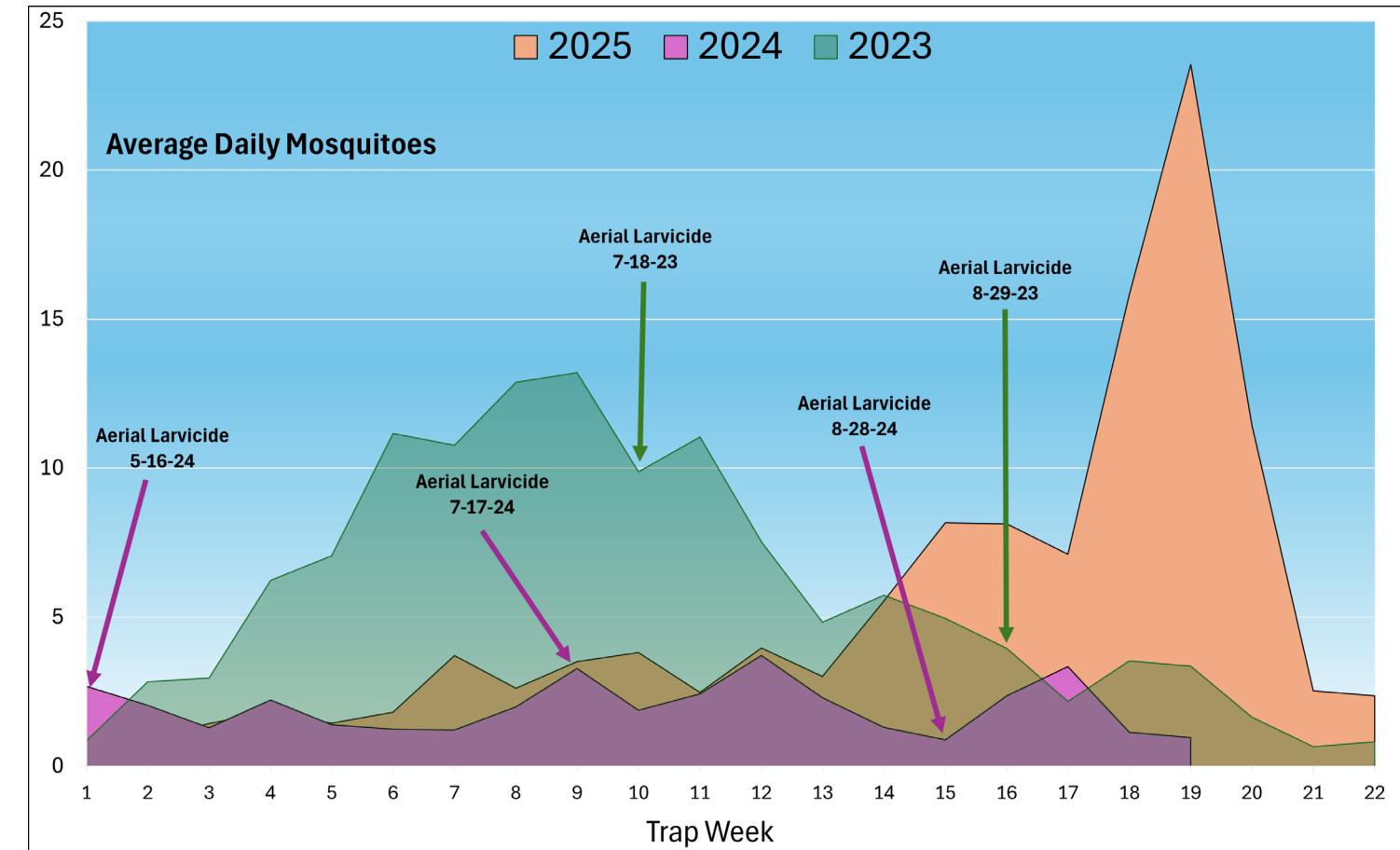
# Vector Control- Mosquito Abatement Funding

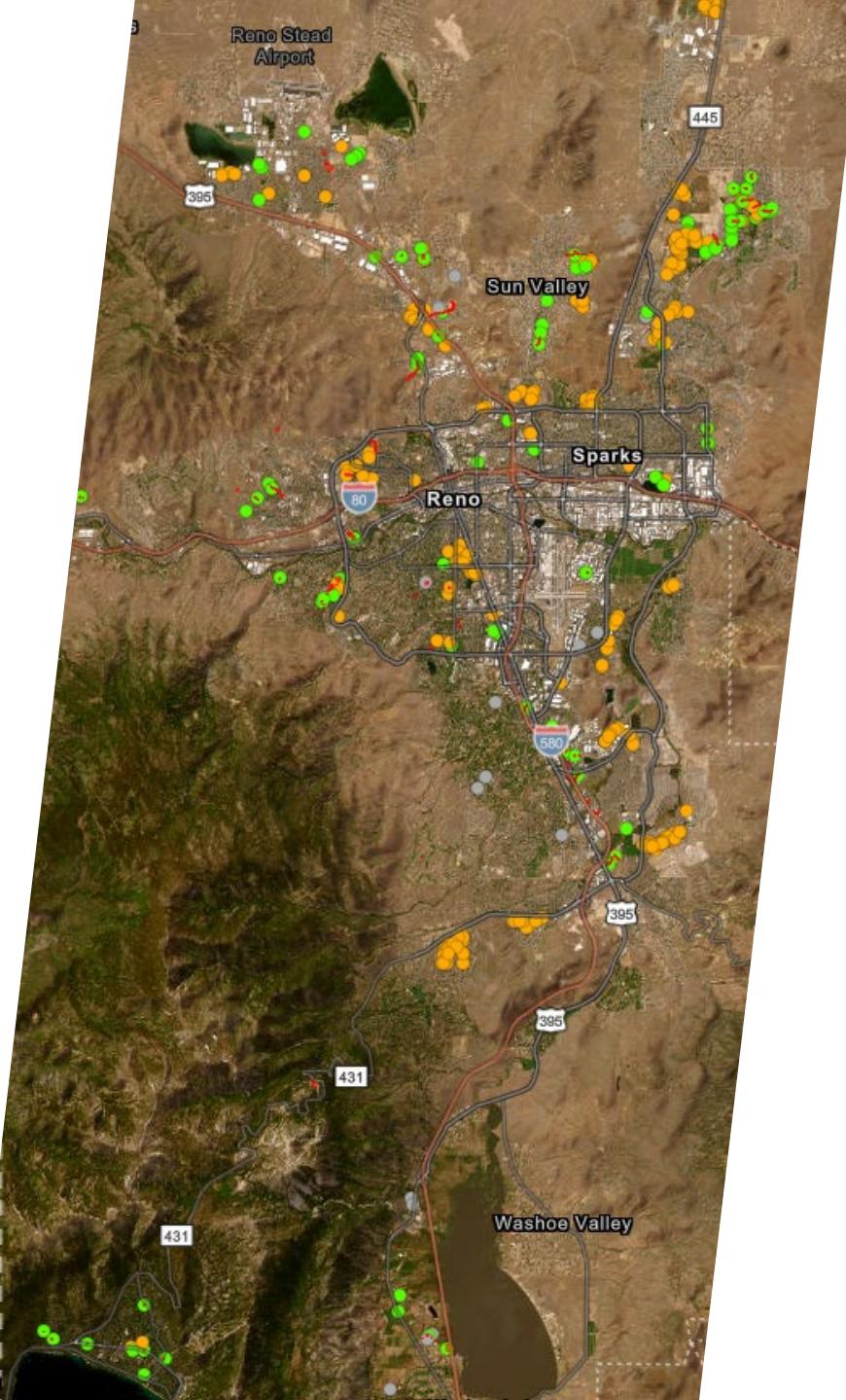
BCC January 20 2026  
Dr. Chad Kingsley MD  
NNPH District Health Officer

# Mosquito Abatement in Washoe County

## Service Requests

- 2025 – 96 Total Service Requests
  - Mosquito Abatement - 57
  - Mosquitofish - 18
  - Other - 21
- 2024 – 63 total
  - Mosquito Abatement - 31
  - Mosquitofish - 13
  - Other - 19
- 2023 – 99 total
  - Mosquito Abatement – 65
    - 52 prior to Aerial on 7-18-23
  - Mosquitofish - 17
  - Other - 17





# Mosquito Abatement in Washoe County

## Ground Larvicide Treatments

- ▶ Summary
  - ▶ 650 Site visits
  - ▶ 478 Mosquito control treatments
  - ▶ 17 Mosquitofish deliveries
  - ▶ About 4000 storm drains treated

## Mosquito Pools

- ▶ Summary
  - ▶ 570 Trap collections
  - ▶ 603 Lab submissions
  - ▶ 19,794 Mosquitoes tested
- ▶ Results
  - ▶ All lab results negative for mosquito-borne arboviruses

# 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    | 5    | 5    | 14     |
| <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      |
| St. Louis Encephalitis             | 0    | 0    | 0    | 0    | 0    | 0    | 0      |
| Yellow Fever                       | 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      |
| Totals                             | 2    | 2    | 0    | 3    | 4    | 2    | 13     |

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

# Vector Control: Mosquito Abatement

| NRS Section                   | Topic/Authority                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| NRS 439.471-439.479           | Extermination and abatement of mosquitoes and other vectors by health districts / DHO |
| NRS 318                       | Creation of special districts for mosquito abatement                                  |
| NRS 439.370, 439.490, 439.410 | Enable local health authorities to adopt vector control regulations                   |

- These statutes empower local health districts and improvement districts to adopt mosquito abatement, issue orders, and recover costs through property liens for abatement activities.
- Clark County Commissioners recently discussed the creation of a special district for mosquito abatement. Tentatively, it is cost prohibitive.
- No dedicated funding source from NRS. Liens primarily used for vermin.

# Mosquito Abatement Funding

- Washoe County
- FY2005 to FY2010 Optional Flood and Public Safety Sales Tax
  - 1/8 cent tax imposed by BCC
  - 2005 \$295K; 2006 \$128K; 2007 \$82K; 2008 \$51K; 2009 \$107K; 2010 \$129K
- FY2017 & FY2018 (Post flooding) GF contingency transfer approval to supplement mosquito abatement
  - FY17 \$205,525; FY18 \$534,835
- FY2010 - Present NNPH-EHS absorbed Mosquito Abatement Costs
  - Suspension of large area treatment for FY26 Season
  - One of the largest NNPH expenditures that does not impact staffing
    - FY25 Budget and mosquito abatement identified as cost savings
      - Helicopter Contract - \$46,000 (increased annually since 2020)
      - Chemicals - \$235,000 (increased annually since 2020)

# NNPH Mosquito Abatement Costs

| Item                                       | Cost             | Notes                                                                 |
|--------------------------------------------|------------------|-----------------------------------------------------------------------|
| Staffing – 2 FTE<br>(Salary & Fringe)      | \$325,000        | 1 EHS Sup @ 10%<br>1 Sr EHS @ 100%<br>1 EHS @ 100%                    |
| Mosquito Abatement<br>(Helicopter + Chems) | \$281,000        | These funds supplement<br>each other – these are<br>abatement dollars |
| WC Overhead Charges                        | \$74,000         | Internal OH is not included                                           |
| Vector Warehouse                           | \$51,000         | Rent + Utilities                                                      |
| Interns                                    | \$41,000         | 3.3 FTE for May-Sept only @<br>\$15/hr                                |
| WC Vehicles                                | \$36,500         | 4 vehicles                                                            |
| Operating Cost                             | \$25,000         | Fish, Skeeter, etc.                                                   |
| <b>Total</b>                               | <b>\$833,500</b> | Doesn't include NNPH<br>internal overhead                             |

# NNPH Mosquito Abatement Costs

- Public Health has a number of unfunded mandates (must/shall) and authorities (may). Mosquito abatement is an unfunded authoritative may.
- As Federal, State, and Local Public Health funding lessens, we are required to:
  - Prioritize risk and impact for delivery of services on all health programs
  - Explore alternative funding sources for low to no risk authoritative (may) activities.
- As NNPH moves to increase efficiencies and cut costs, this is a potential area of lowest risk cost savings.
  - Areas of Consideration:
    - Partial/Complete cessation of surveillance (does not include disease surveillance)
    - Community driven education and burden

# Questions?

NORTHERN NEVADA  
**Public Health**