

NORTHERN NEVADA
Public Health

Vector Control- Mosquito Abatement Funding

BCC January 20 2026

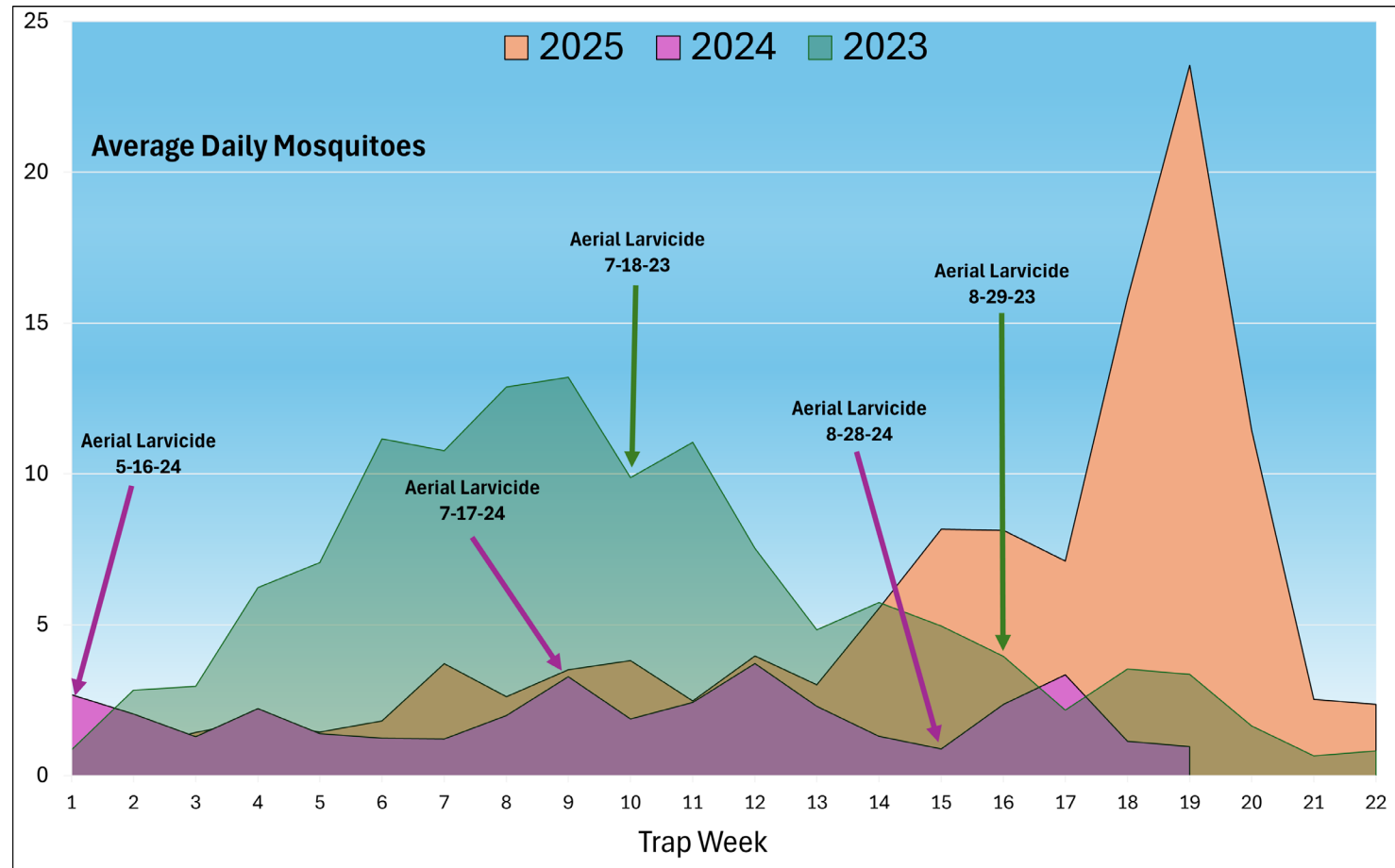
Dr. Chad Kingsley MD

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 (Salary & Fringe)	\$325,000	1 EHS Sup @ 10% 1 Sr EHS @ 100% 1 EHS @ 100%
Mosquito Abatement (Helicopter + Chems)	\$281,000	These funds supplement each other – these are 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 @ \$15/hr
WC Vehicles	\$36,500	4 vehicles
Operating Cost	\$25,000	Fish, Skeeter, etc.
Total	\$833,500	Doesn't include NNPH 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