

MOSQUITO DISEASE SURVEILLANCE, EDUCATION & PREVENTION

2025 Update

Environmental Health

August 28, 2025



Program Objectives



Routine surveillance to determine species, abundance and disease status



Counterpart notification for breeding site interventions (Code Enforcement, Parks & Recreation, Public Works)



Community education on breeding, biting and disease prevention



No coordinated mosquito abatement across Clark County

SURVEILLANCE

Routine Sentinel sites

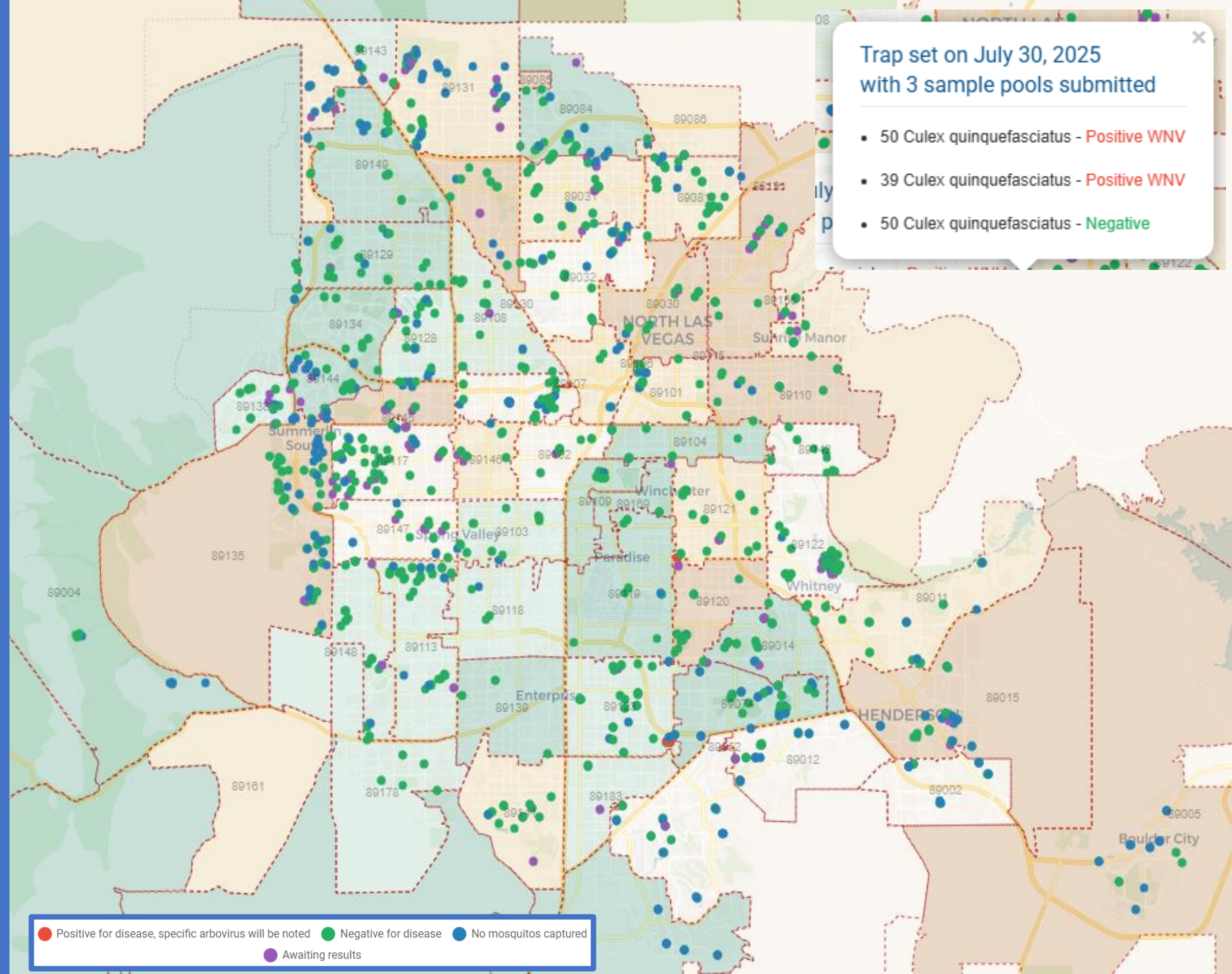
- Wetlands
- Washes
- Parks
- Bird Preserves

Unique Sites

- Citizen Complaints

Web Site Information

- Updated Mapping



DISEASE TRANSMISSION



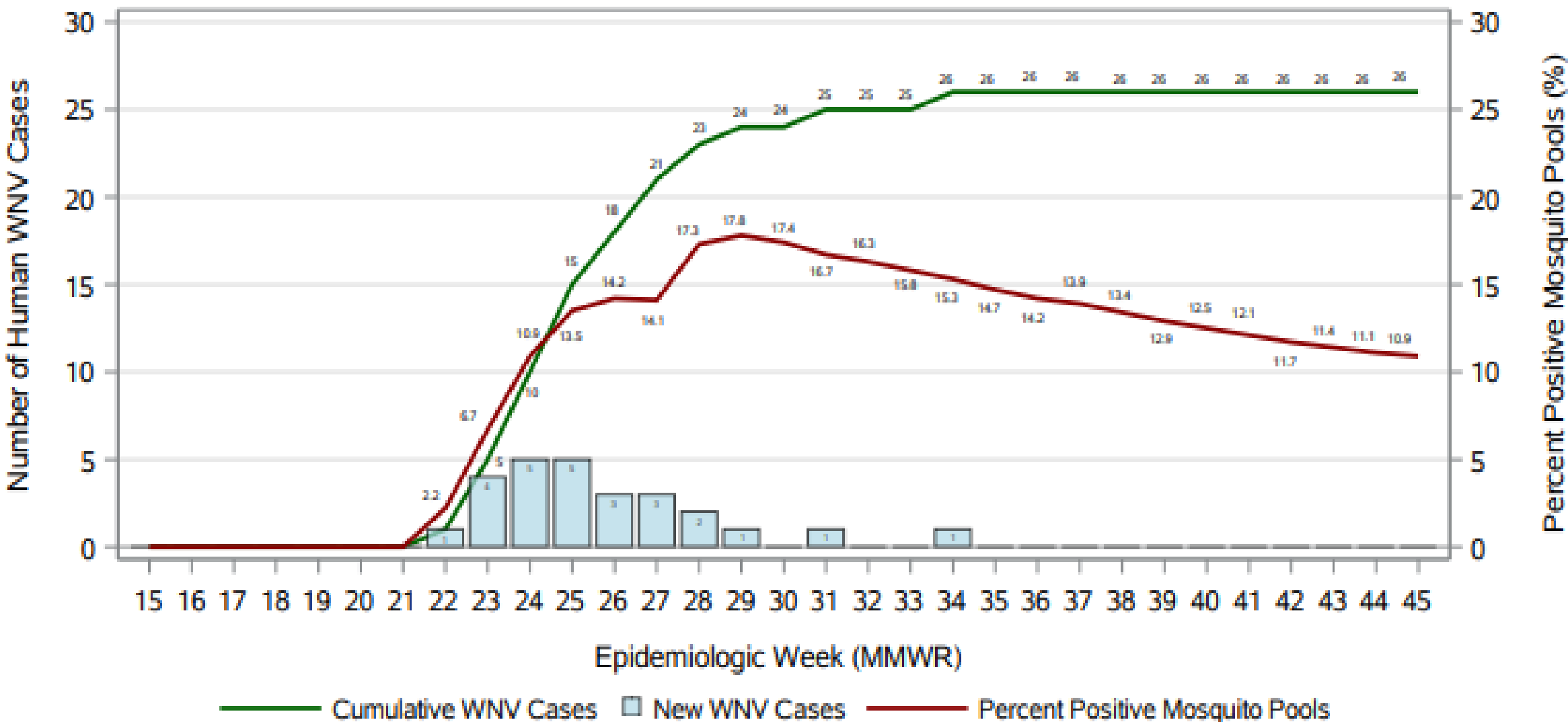
- *Culex* species – Drivers of disease:
- West Nile Virus, St. Louis Encephalitis
- Most common and widespread mosquito
- Primarily feed on birds / Dusk and Dawn
- Breed in abandoned pools, wash channels, culverts
- Can fly up to a mile

	Traps Set	Mosquitoes Trapped	Submission Vials	WNV + Mosquito Vials	SLEV + Mosquito Vials	Zip codes with WNV	Reported Human WNV cases
2022	3,246	43,516	3,280	0	0	0	0
2023	3,701	68,634	3,149	27 (1%)	0	13	2
2024	3,454	51,304	3,567	388 (15%)	21 (1%)	46	26
2025*	2,054	35,175	1,456	13 (1%)	0	4	0

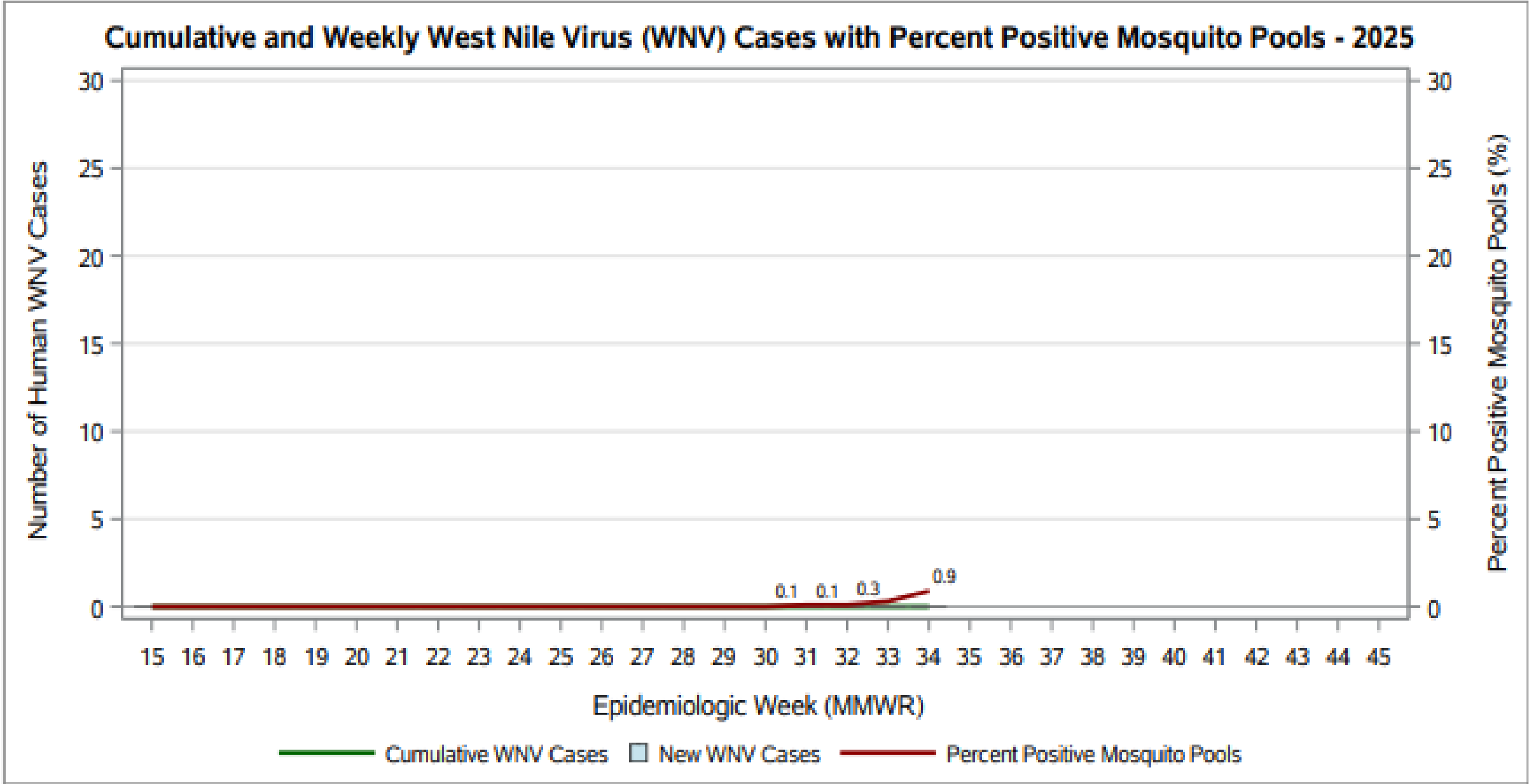
* As of 8/18/25

2024 Mosquito Activity Summary

Cumulative and Weekly West Nile Virus (WNV) Cases with Percent Positive Mosquito Pools - 2024



2025 Mosquito Activity Summary



NUISANCE BITING



- *Aedes aegypti* – Drivers of nuisance calls
- Aggressive, daytime and relentless biter (ankles)
- Primarily feed on people
- Breed in small water sources – tires, planters, buckets
- Short flight range (50 – 100 meters)
- Spread Dengue and Yellow Fever

	Citizen complaints	Number of <i>Aedes aegypti</i> trapped*	Zip Codes with Aedes Identified
2021	34	138	6
2022	101	618	12
2023	739	7,409	43
2024	440	1,807	47
2025*	144	1,377	51

* As of 8/20/2025



FIGHT the **BITE**



HELP PREVENT DISEASES THAT
CAN BE SPREAD BY MOSQUITOES

Eliminate standing water
Empty, turn over, cover, or throw out items outdoors that may hold water.
If you have a septic tank, repair cracks or gaps. Cover open vents or plumbing
pipes, and use wire mesh with holes smaller than an adult mosquito.

Prevent mosquito bites
Use screens on windows and doors. Repair any holes in screens.
Use an Environmental Protection Agency (EPA)-registered insect repellent
following the label instructions. Find a list at www.epa.gov/insect-repellent

Report mosquito activity
Residents are urged to report all mosquito activity to the
Southern Nevada Health District, particularly daytime-biting mosquitoes.
Call the Mosquito Surveillance Program at (702) 759-1633.

SNHD
Southern Nevada Health District

MOSQUITO SURVEILLANCE PROGRAM
(702) 759-1633
WWW.SNHD.INFO/MOSQUITO-CONTROL

