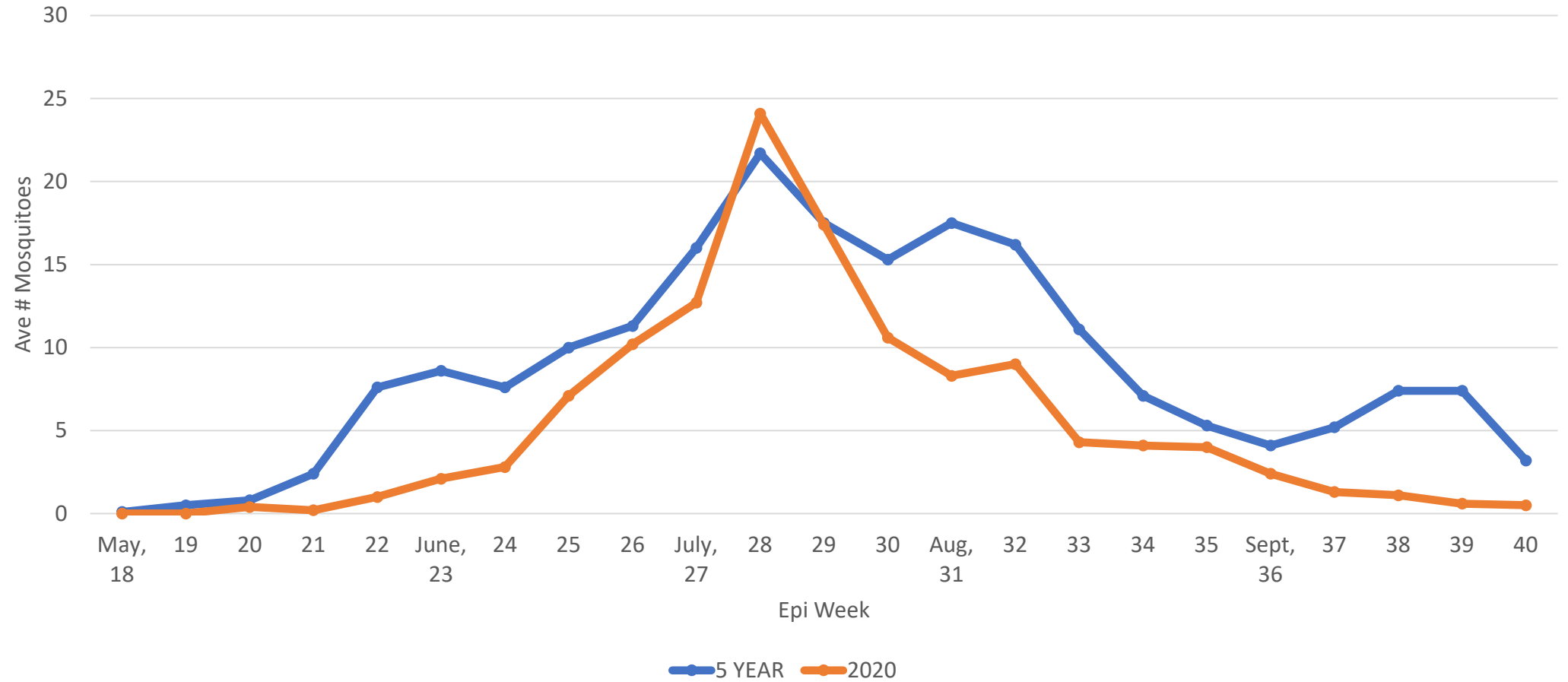


NWMAD 2020 District Report: Mosquito Control Challenges in a Pandemic

- Logistics of maintaining social distancing and a safe work environment.
 - Hired 50% of normal seasonal help.
 - Single occupant in field trucks.
- Larval surveillance and abatement.
 - Same time to treat 50,000 catch basins with ½ field crew.
- Adult mosquito surveillance.
 - Dropped 2 trap locations due to closure of nature centers.
- Conducting ongoing and new research projects.
 - Managed to complete 4 research projects.
 - Adulticide efficacy.
 - Catch basin microbiology/pesticide detection.
 - Cx. species bloodmeal analysis.
 - Urban/Suburban/Rural gravid trap species composition.

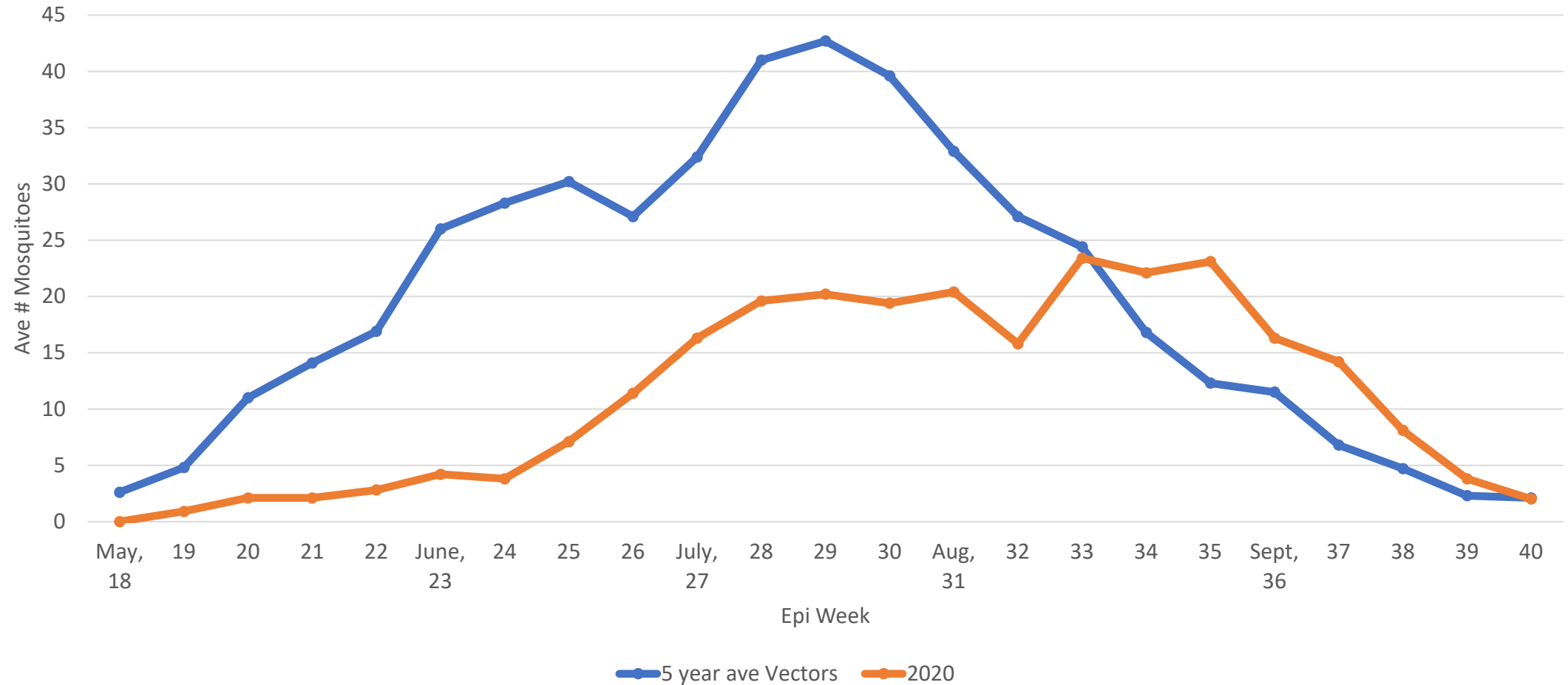
Nuisance mosquitoes

5 YEAR AVERAGE VS 2020 FOR NUISANCE MOSQUITOES



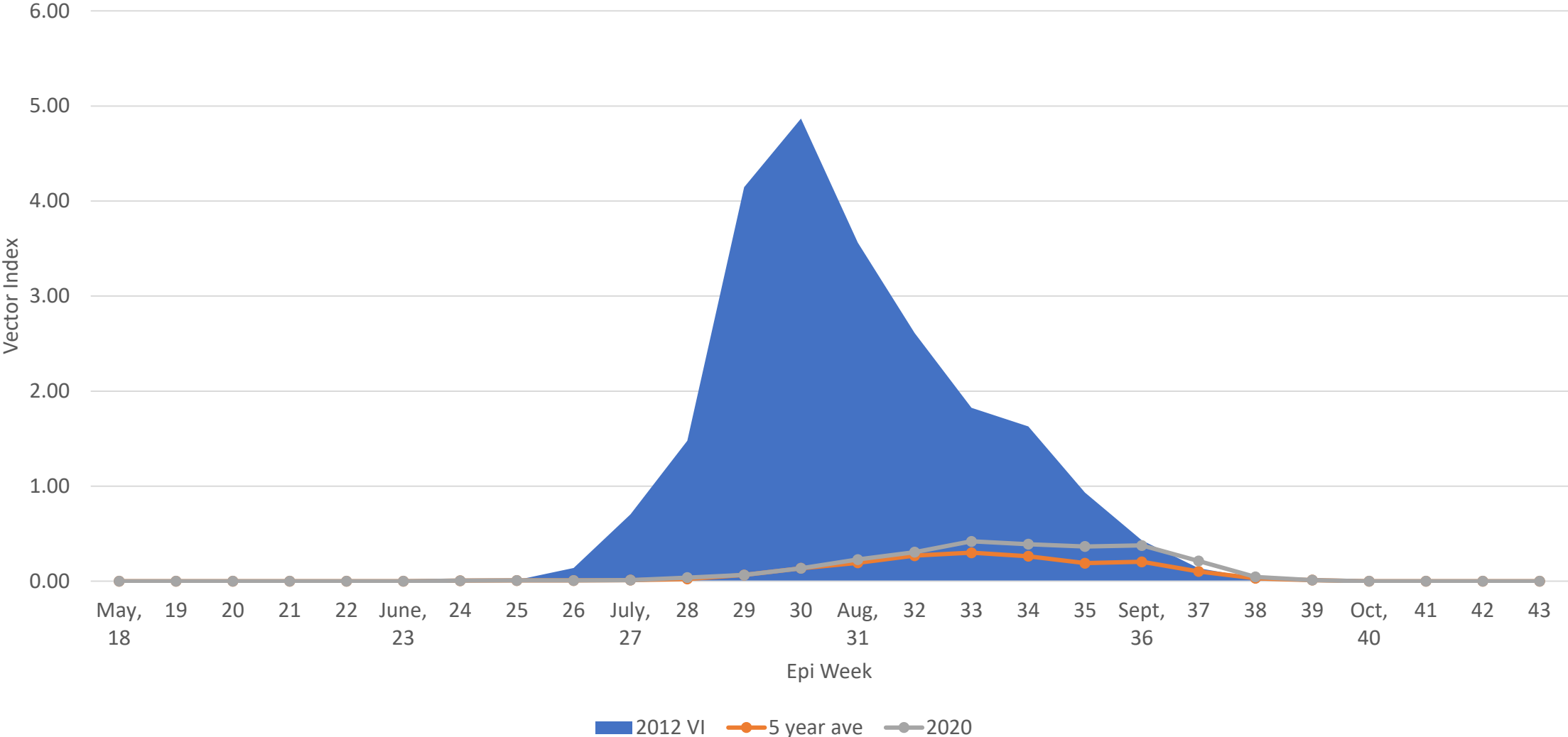
WNV Vector Mosquitoes

5 year ave and 2020 ave per week for vector mosquitoes



Vector Index

Vector Index 2020, 5 Year Average and 2012 (outbreak year)



2020 Season Notes

- 6 Human Cases reported in NWMAD
 - 5 out of 6 cases had a nearest gravid trap Vector Index above 1.5 (7-10 days prior to onset).
- First detection of *Aedes albopictus* in the district.
 - Light/CO₂ trap on 8/11 (Male)
 - Gravid trap on 8/15 (Female)
- No SARs-Covid-19 illness detected in any full or seasonal employee