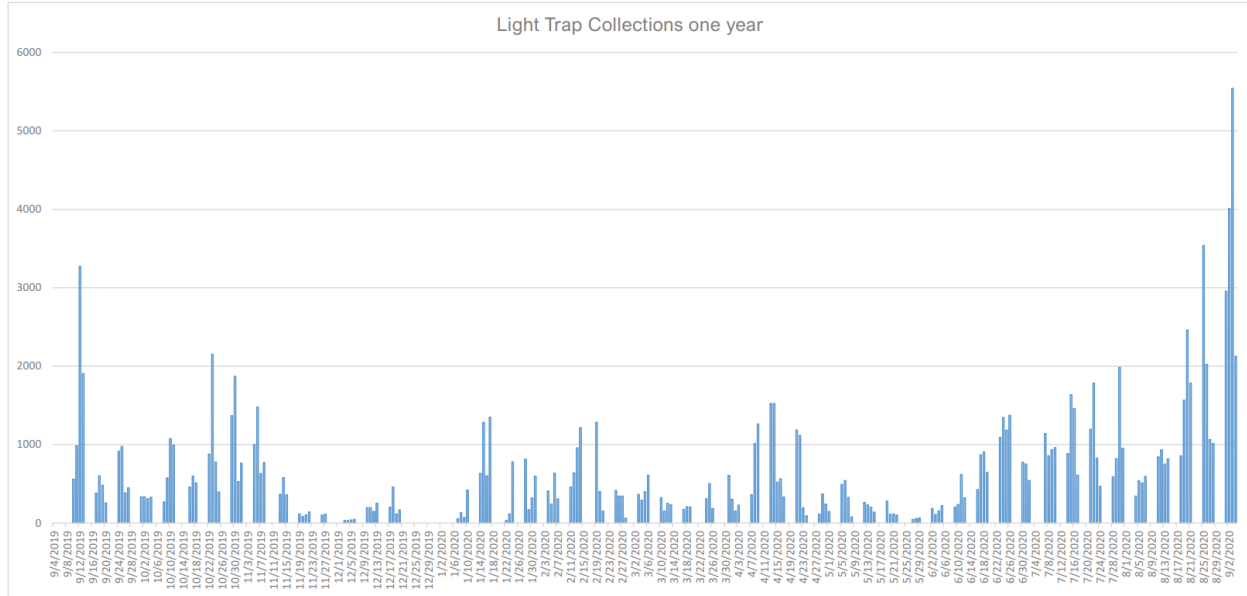
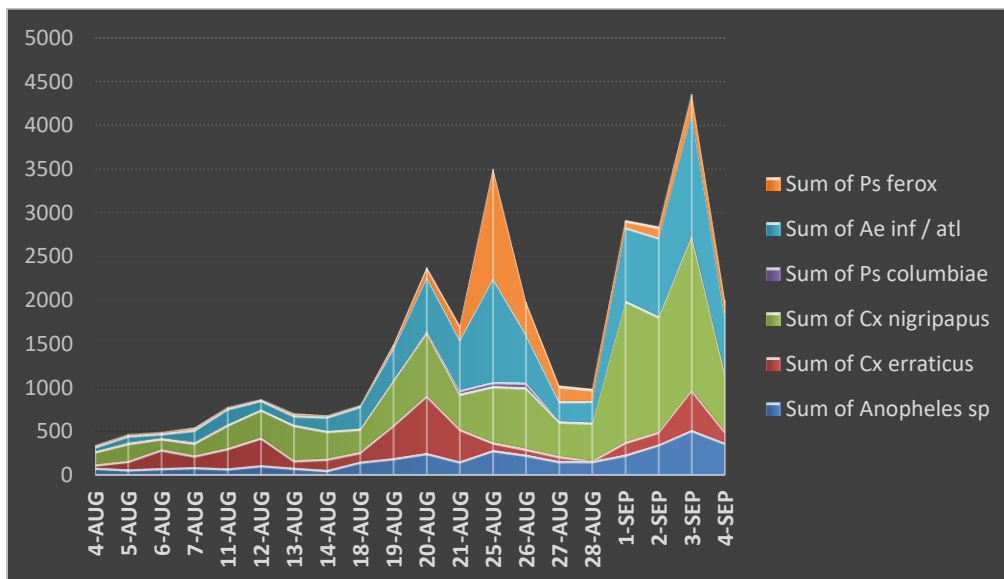


Week of 8/31/2020 Operations Update

This is the third week in a row of very high mosquito population in the District. The bar graph below shows the total adult mosquitoes from all traps in the District for the past year (TTM).

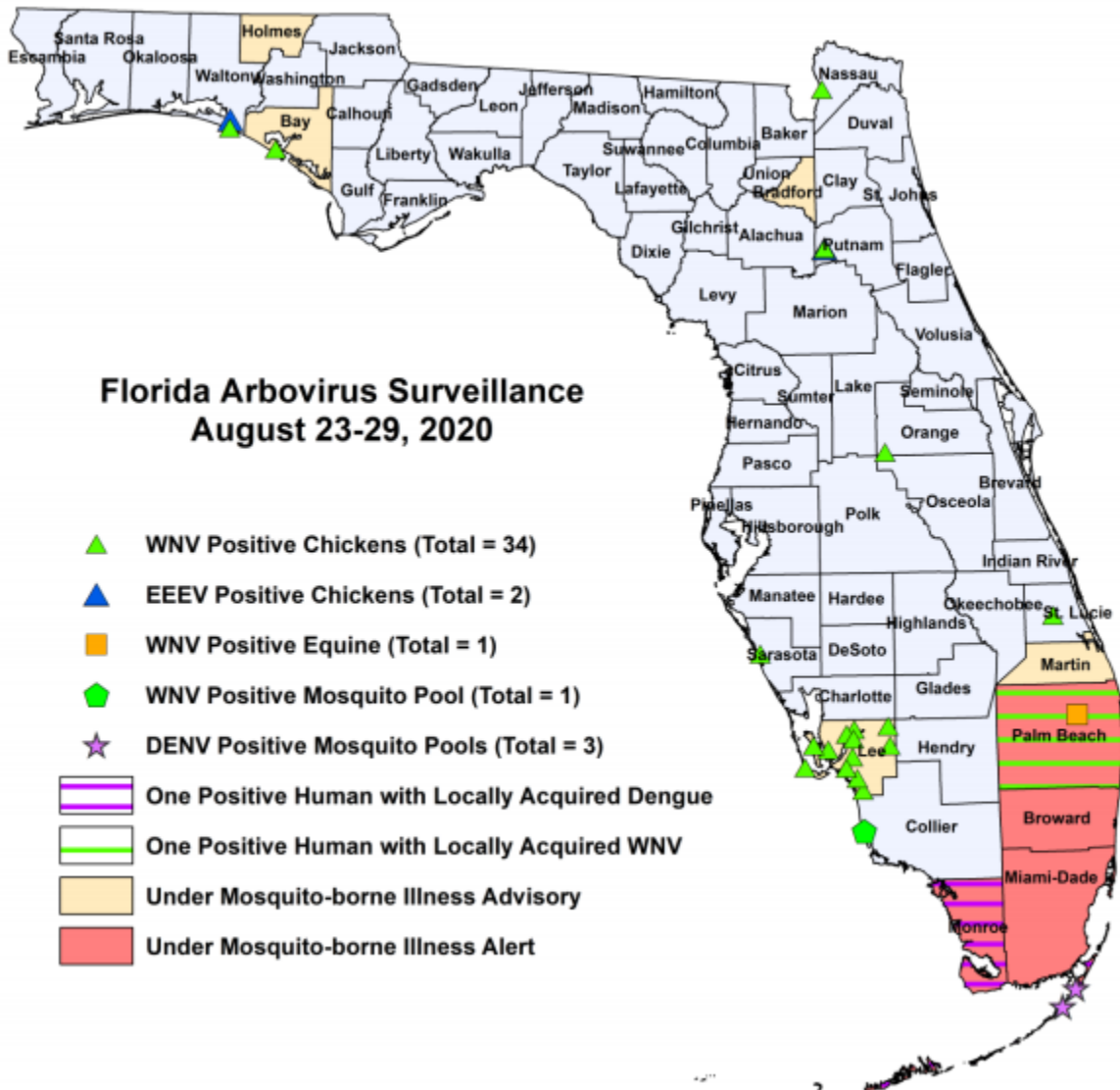


The month of August saw the highest single day total trap counts for the past year. The chart below shows selected species of mosquitoes for the Month of August and the first week of September. To recapitulate from last week's analysis: *Psorophora ferox* typically emerges from flood waters later than *Aedes infirmatus* and usually only after above average flooding as seen on August 25. This week, we saw another brood of *Aedes infirmatus* peak on September 3. However, notice that *Culex nigripalpus* comprises more of the daily trap collection for this week. This indicates that we have more standing water for this species to lay its eggs in, unlike *Aedes infirmatus* and *Psorophora ferox* that lay their eggs in soil.



Finally, from the Florida Department of Health in their Florida Arbovirus Surveillance Week 35: August 23-29, 2020 Report:

- Miami-Dade WNV: 13 humans (June, July), 31 asymptomatic blood donors (May, June, July, August), Dengue: 1 human (March)
- Monroe Dengue: 53 humans (February, April, May, June, July, August)
- Four Counties in South-East Florida are under a mosquito-borne illness alert.



<http://www.floridahealth.gov/diseases-and-conditions/mosquito-borne-diseases/ documents/2020-week-35-arbovirus-surveillance-report.pdf>

Zones in yellow treated by truck, blocks in blue treated by helicopter.

