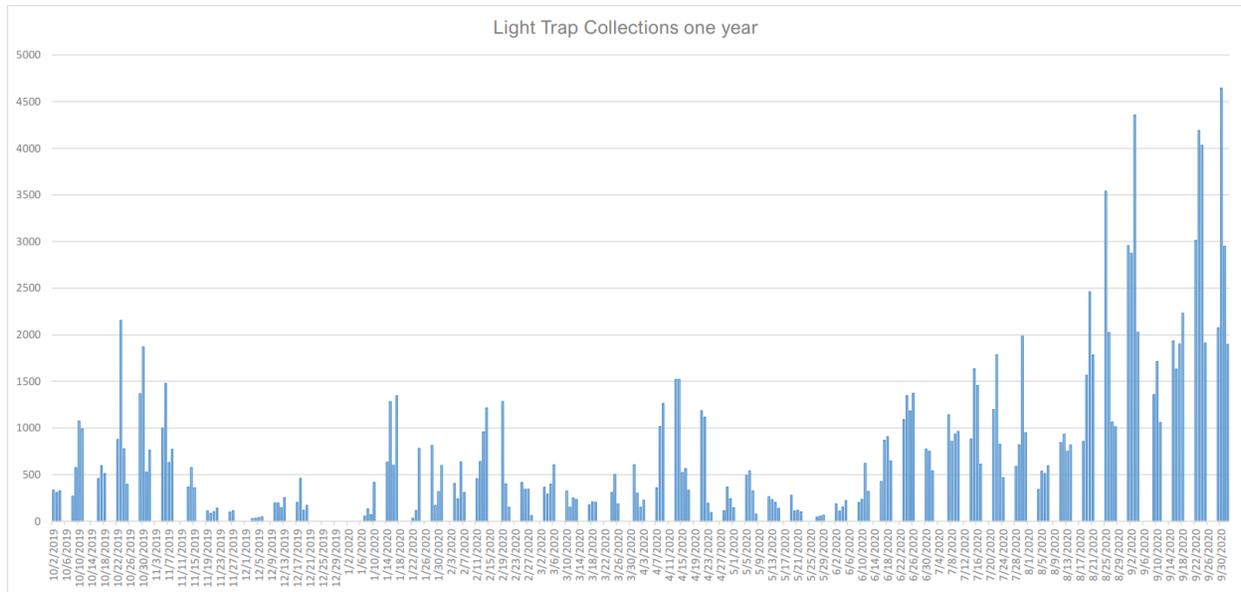
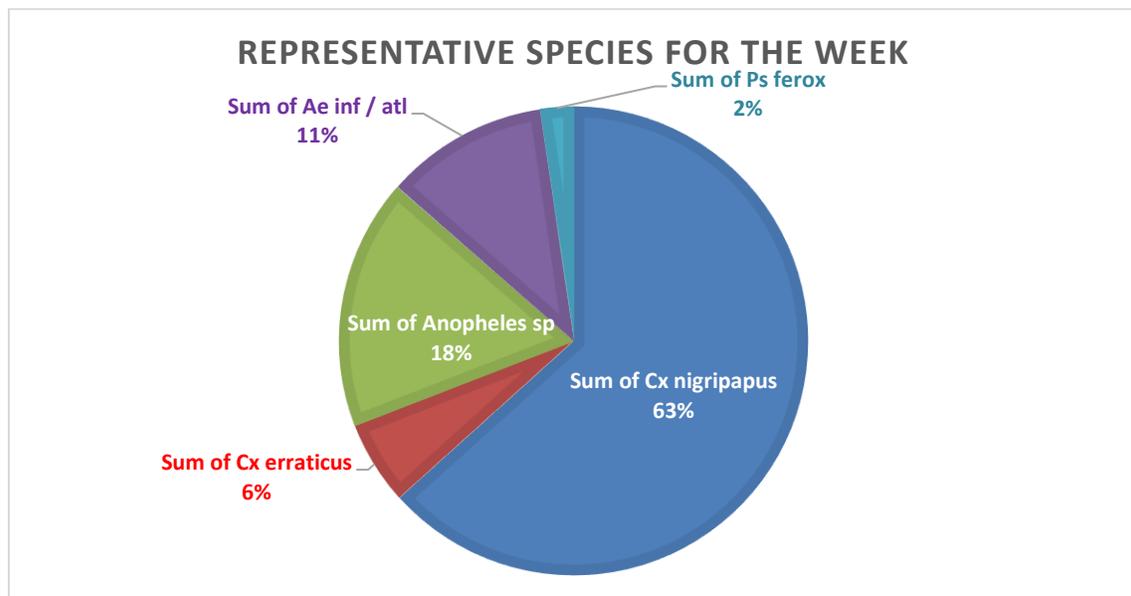


Week of 9/28/2020 Operations Update

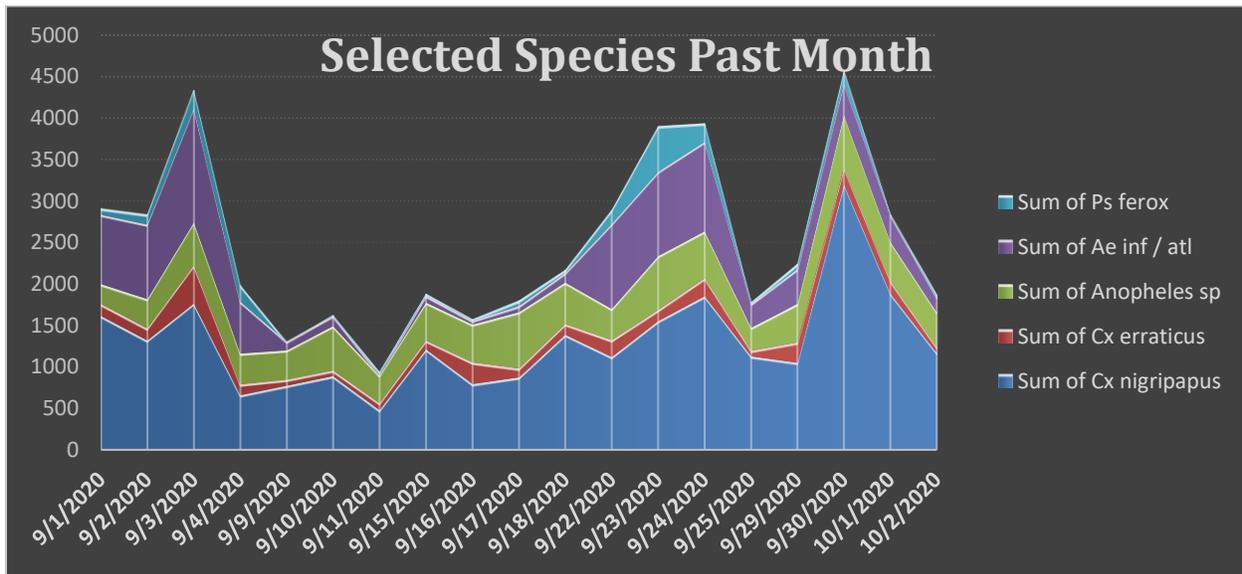
Culex nigripalpus accounted for most of the trapped species this week due in large part to the continuation of flood waters. The bar graph below shows the total adult mosquitoes from all traps in the District for the past year (TTM).



Culex nigripalpus accounted for nearly two-thirds of the mosquitoes trapped for the week (Chart below). Other permanent water species contributed another near quarter of the catch and flood water mosquitoes made up the rest.



Species other than *Culex nigripalpus* remain steady at low levels (Chart below).



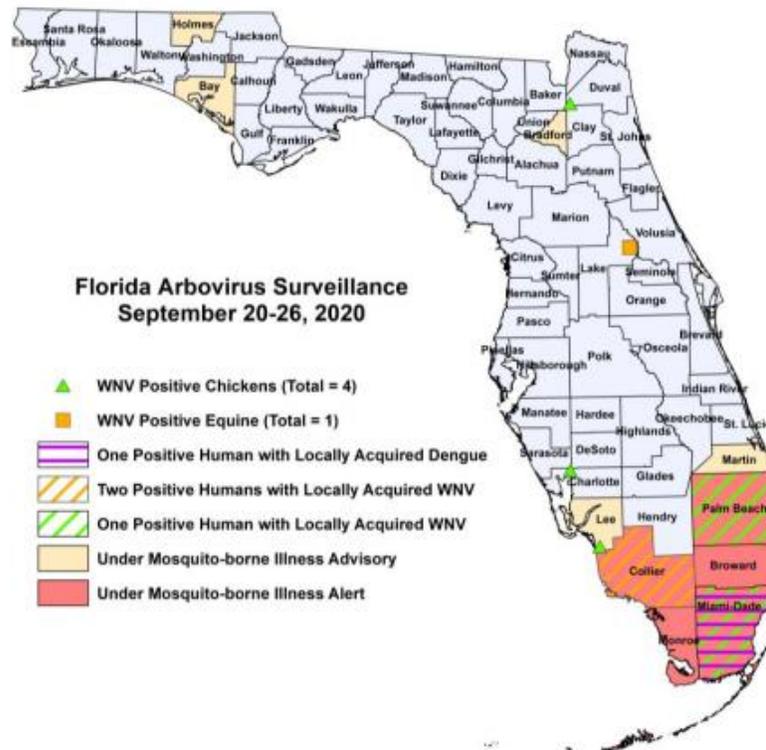
As floodwater persists *Culex nigripalpus* uses the ample breeding ground to continually replenish itself. This species is the main vector of West Nile Virus in Florida. Human WNV cases are abundant this year in South Florida, but also in other parts of the Country.

The Keys in Monroe County continue to experience new cases of locally acquired Dengue. Two cases of locally acquired Dengue were also found in Miami-Dade earlier in the year. This disease is transmitted by container breeding mosquitoes that have a very short flight range (500'). Removing water holding containers from around your home and asking your neighbors to do the same eliminates the breeding opportunities for this species.

From the Florida Department of Health in their Florida Arbovirus Surveillance Week 39: September 20-26, 2020 Report: [here](#)

- Four human cases of WNV infection were reported this week in Collier, Miami-Dade, and Palm Beach counties.
- One case of locally acquired dengue fever was reported in Miami Dade County this week
- Broward
 - WNV: 3 humans (July), 1 asymptomatic blood donor (August)
- Palm Beach
 - WNV: 4 humans (July, August)
- Miami-Dade
 - WNV: 22 humans (June, July, August), 33 asymptomatic blood donors (May, June, July, August)

- Dengue: 2 humans (March, August)
- Monroe
 - Dengue: 64 humans** (February, March, April, May, June, July, August)
- Collier
 - WNV: 2 humans (July, August)
- Five Counties in South Florida are under a mosquito-borne illness alert.



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

