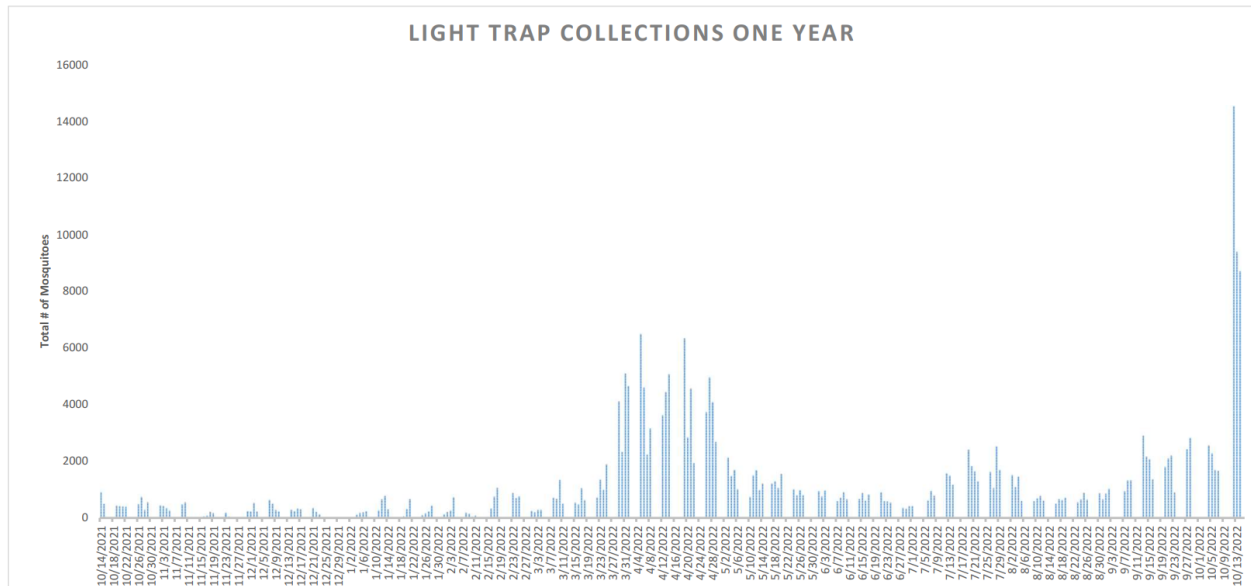
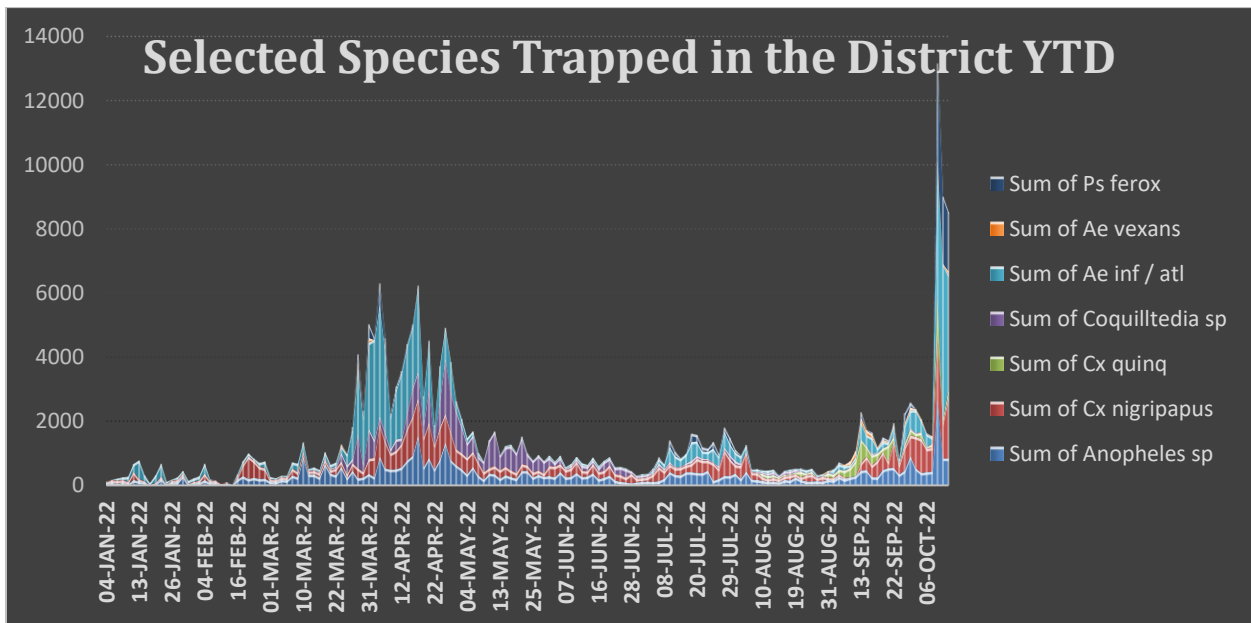


Week of 10/10/2022 Operations Update

At almost two weeks post Hurricane Ian an extreme level of mosquito activity in the traps this week. The bar graph below shows the total adult mosquitoes from all traps in the District for the past year (TTM).



A surveillance flight conducted on Saturday morning October 1 observed wide-spread flooding in the saltmarsh and undeveloped areas west of the District. All monitoring of environmental factor indicates the severity of the flooding (see [Hurricane Ian supplemental Report](#)). Cooler temperatures following the tropical cyclone delayed the emergence of flood water mosquitoes beyond the normal seven-day incubation period. By 12 days post event the mosquitoes caused by the flooding were registered in our traps (Chart Below). This is an extreme event, emergency procedures were instituted immediately and State resources are being deployed via contracted spray planes to treat wide areas of Flagler County.



From the Florida Department of Health Arbovirus Surveillance Week 40: October 2-8, 2022 [Report](#):

Advisories/Alerts: Miami-Dade and Volusia Counties are currently under a mosquito-borne illness alert. Bay, Charlotte, Collier, Hillsborough, Lee, Osceola, Palm Beach, Pinellas, Sarasota, and Walton counties are currently under a mosquito-borne illness advisory. No other counties are currently under a mosquito-borne illness advisory or alert.

West Nile Virus Illnesses Acquired in Florida: Two human cases of WNV illness acquired in Florida have been reported in 2022 from Volusia County (July, August).

Dengue Cases Acquired in Florida: Four cases of locally acquired dengue was reported this week in Miami Dade County. In 2022, 27 cases of locally acquired dengue have been reported.

Zones high-lighted in yellow were sprayed by truck this week.

