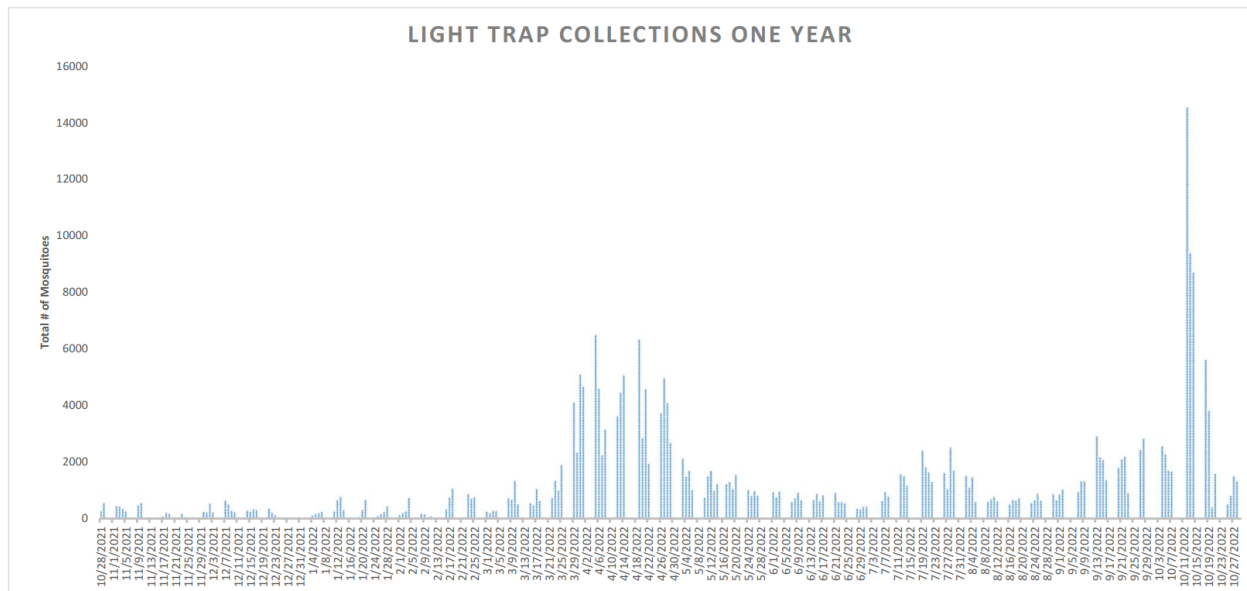


Week of 10/24/2022 Operations Update

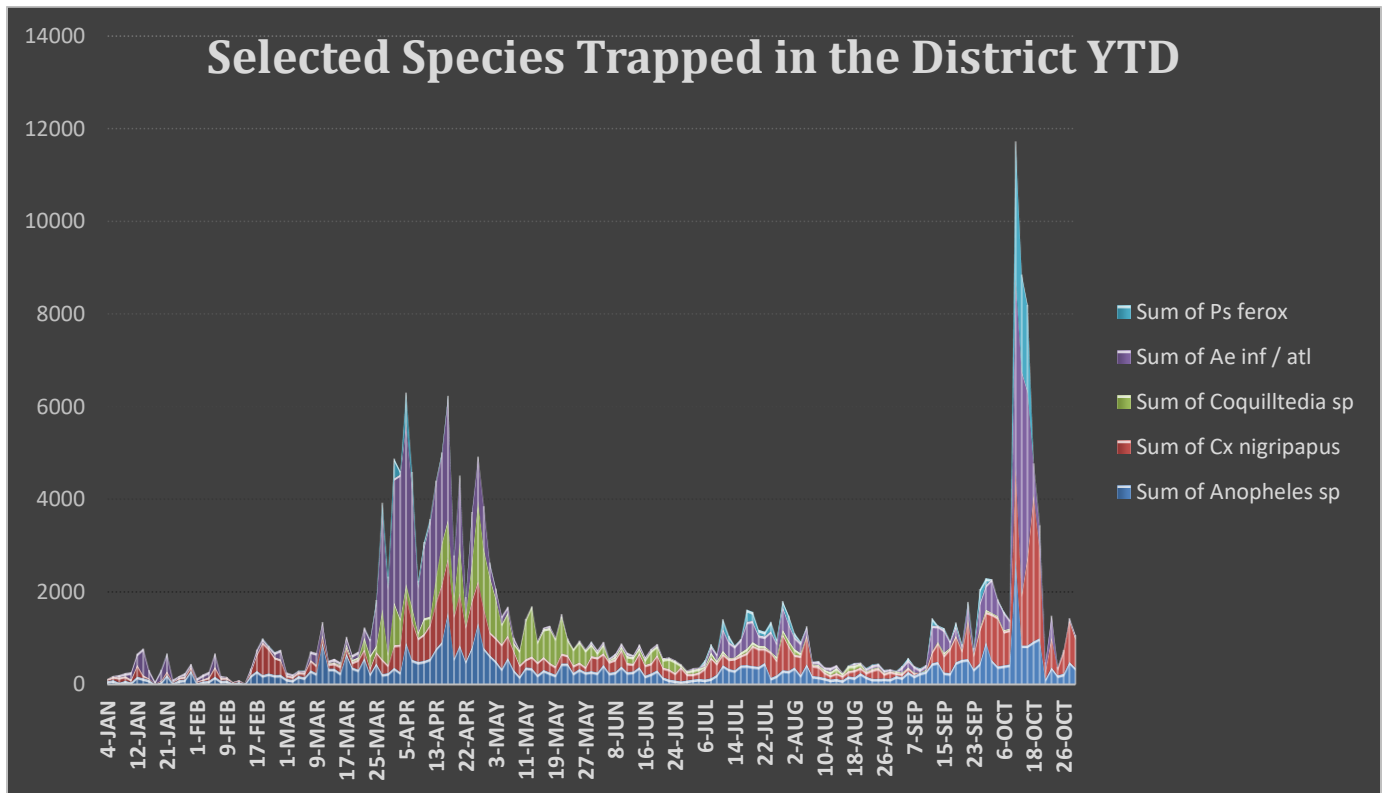
Following a week with cold weather, this week demonstrates the impact aerial spraying on the mosquito population by contractors working for the Florida Department of Agriculture as part of the FEMA post Hurricane Ian response. The bar graph below shows the total adult mosquitoes from all traps in the 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. This was an extreme event, emergency procedures were instituted immediately and State resources were deployed via contracted spray planes to treat wide areas of Flagler County.

- Aerial spraying was completed Sunday night 10/23/2022 – a single plane operated out of the Flagler Executive Airport due to a shortage of pesticide. The District was able to resupply the contractor from our inventory to complete the mission.
- Friday night 10/21/2022 – two planes operating out of New Smyrna Airport treated Rima Ridge and Hunters Ridge, started the eastern Block, and finished the western block.
- Tuesday night October 10/18/2022 – Western block was partially treated, two planes operating out of New Smyrna Airport worked in tandem but were unable to complete the block due to low temperatures

Aerial spraying was completed Sunday night 10/23/2022 – a single plane operated out of the Flagler Executive Airport due to a shortage of pesticide. The District was able to resupply the contractor from our inventory to complete the mission. The chart below shows floodwater species of mosquitoes all but eliminated from our traps.



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

Week of 10-24-2022

