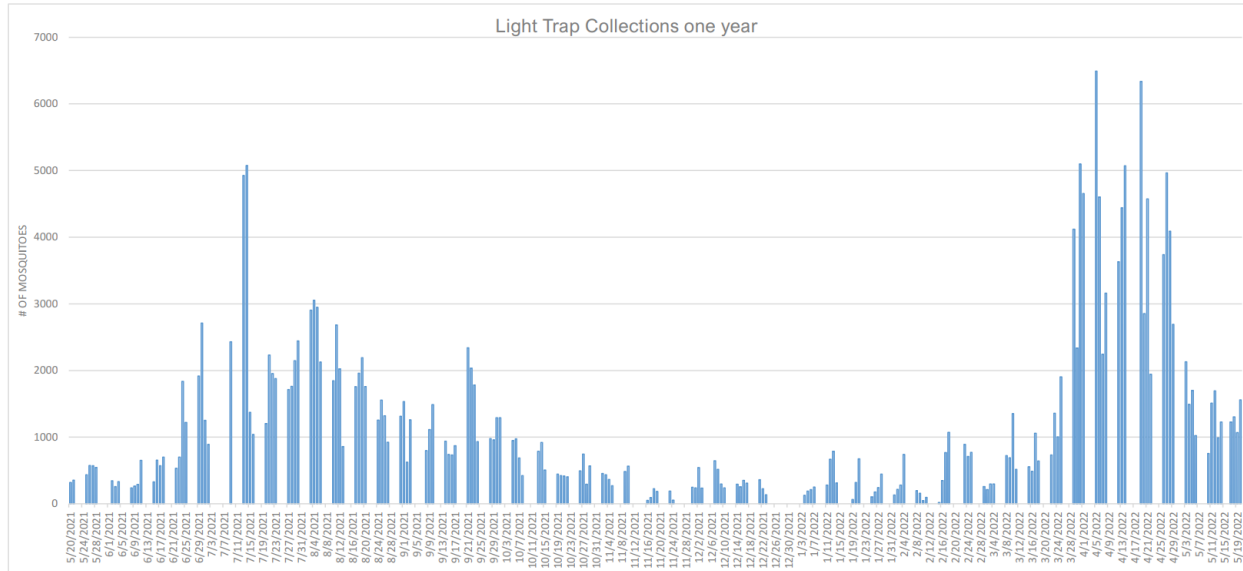
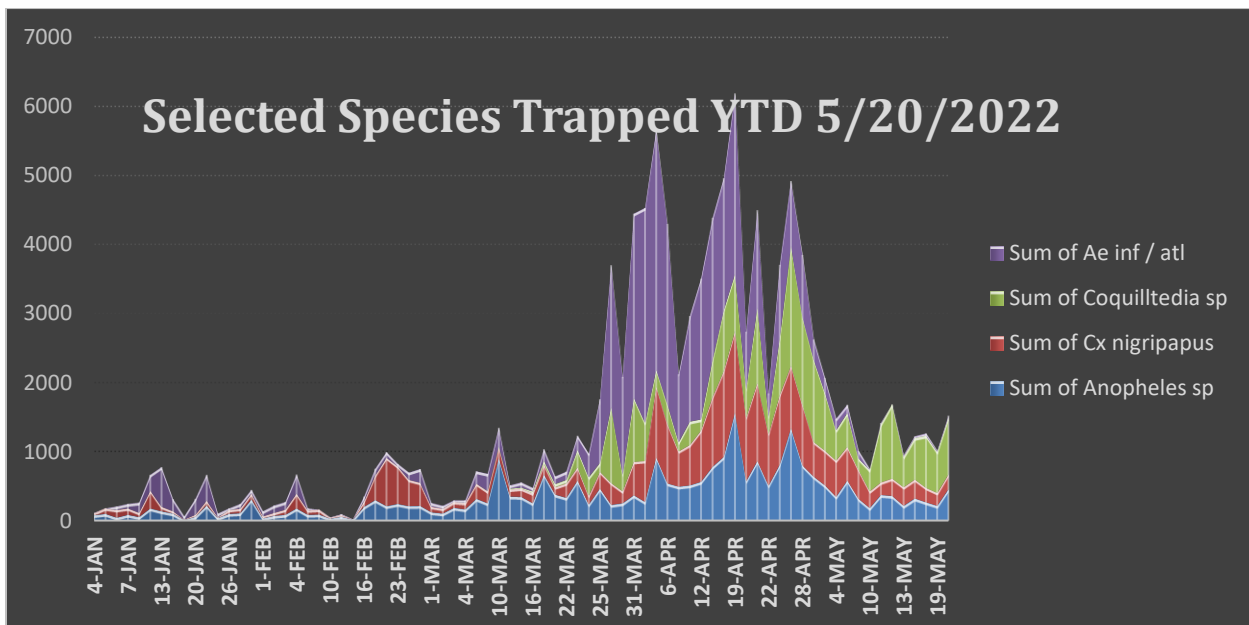


Week of 5/16/2022 Operations Update

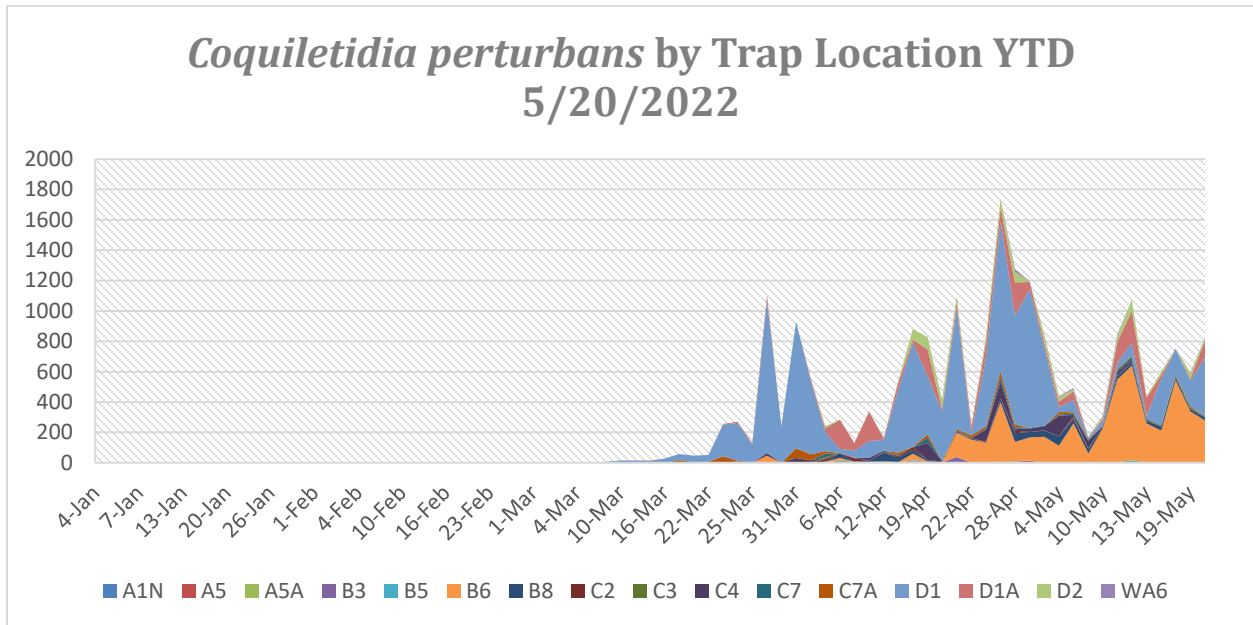
Adulticide treatments this week focused on the mosquito species *Coquilletidia perturbans*. Larvicide pre-treatments of the saltmarsh were completed this by ground and UAS. The bar graph below shows the total adult mosquitoes from all traps in the District for the past year (TTM).



The permanent-water mosquito species *Coquilletidia* emerges from the freshwater swamps after surviving the winter as larvae beginning in spring, whether it rains or not (Chart below). This species of mosquitoes is an aggressive biter of people, has a flight range of up to ten miles and is a bridge-vector of Eastern Equine Encephalitis (EEE).



The chart below shows the proportion of *Coquiletidia perturbans* trapped in each zone each day. You can see zone D1 encompassing Quail Hollow has the majority of this species of mosquito. This subdivision is less densely developed due the presence of fresh water swamps that this species of mosquito calls home. Matanzas Woods is runner up, but with the species primarily infiltrating from outside the subdivision to the North and to the West, rather than from within. This week the species has roughly equivalent numbers in both locations.



Zones highlighted in yellow on the map below were sprayed by truck this week.

