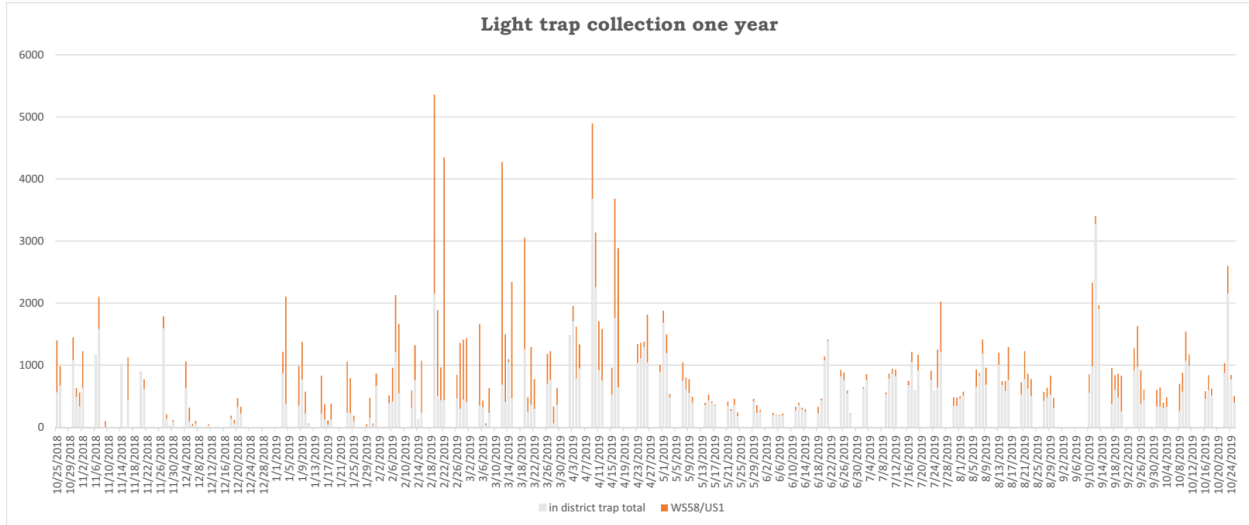
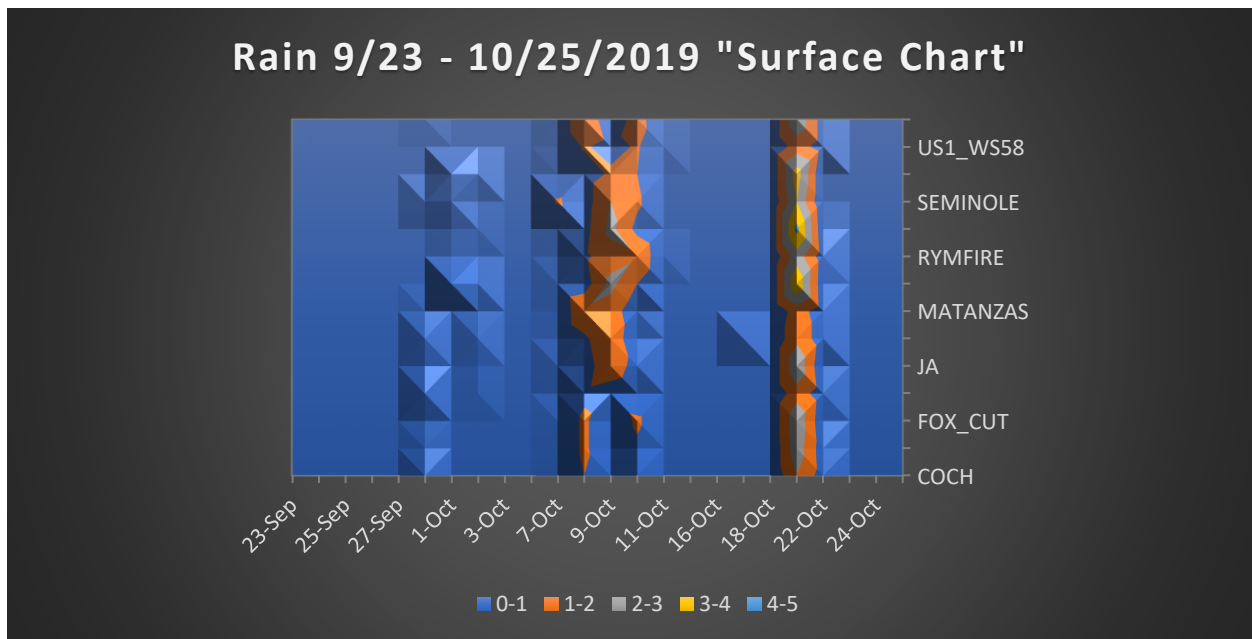


Week of 10/21/2019 Operations Update

We had a surge in the flood-water mosquito population in the South part of the District this week. The stacked-bar graph below shows the total mosquitoes from all traps in the District in white. The red is the sole trap we keep on the West-side of US-1 to monitor outside the District.

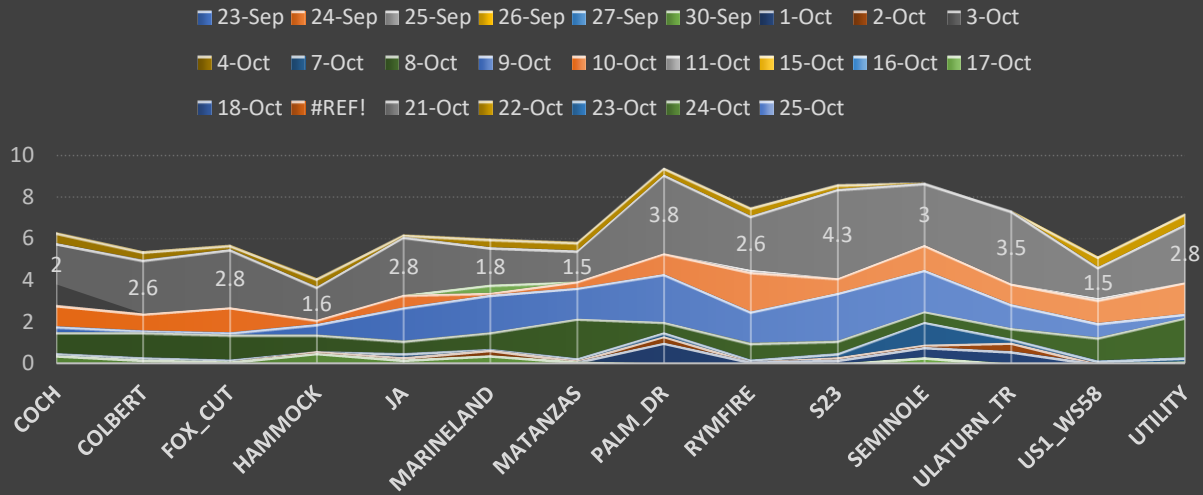


The flood event occurred as stated by Bob Pickering (EOC), "Nestor transitioned to a strong low-pressure system as it moved into southern Georgia from the Gulf of Mexico on 10/19/2019." It's easiest to see the relative contribution of this rain event compared to the past five weeks in a surface chart.



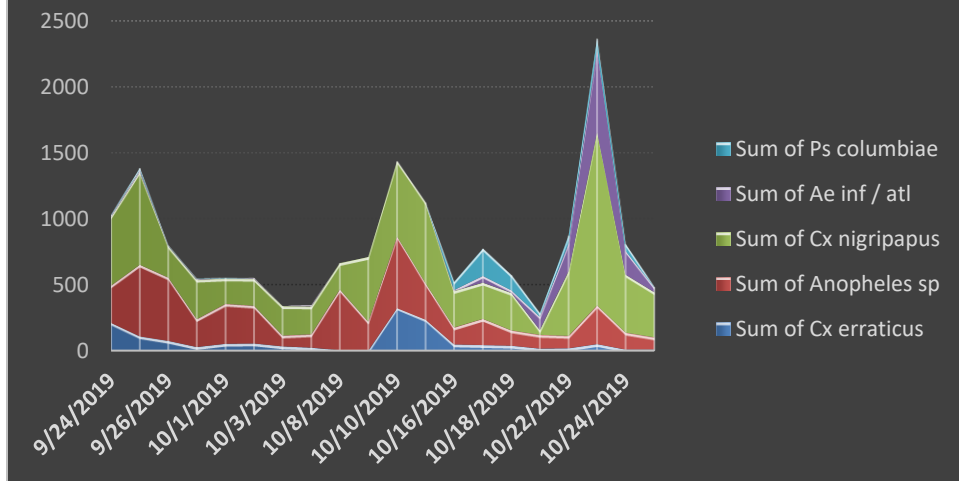
Actual rainfall numbers as gathered by field technicians in manual rain gauges the following Monday after the storm are the gray layer.

Rain 9/23 - 10/25/2019 "Stacked Area"



However, it is unlikely that rainfall on the 19th was the contributing factor to the population growth recorded just four days later on the 23rd. It is more likely the rain event on the 9th coupled with cooler evening temperatures slowing both evaporation and larval development contributed to the population spike experienced this week. There is a likelihood of needing to treat sometime around Halloween for another brood.

Select Species 9/23 - 10/25/19



Zones in yellow were sprayed by truck. Blocks in blue were treated by helicopter.

