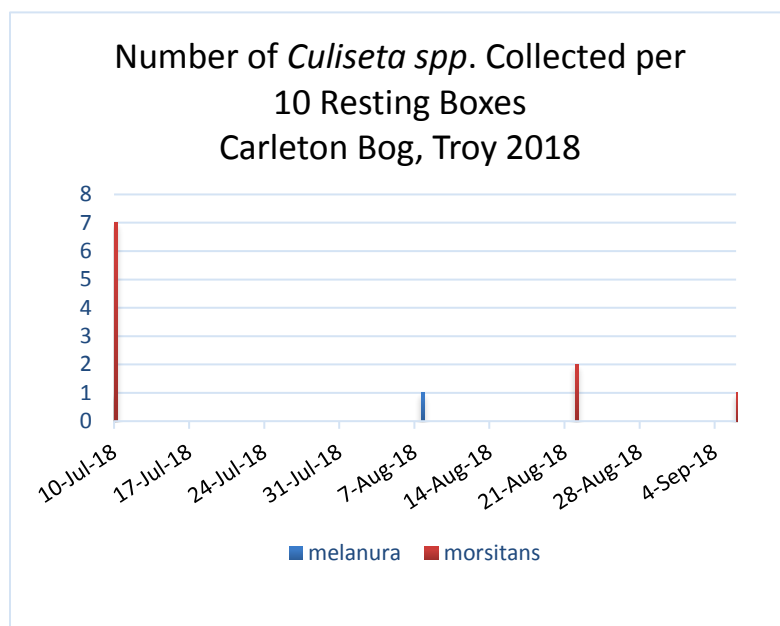
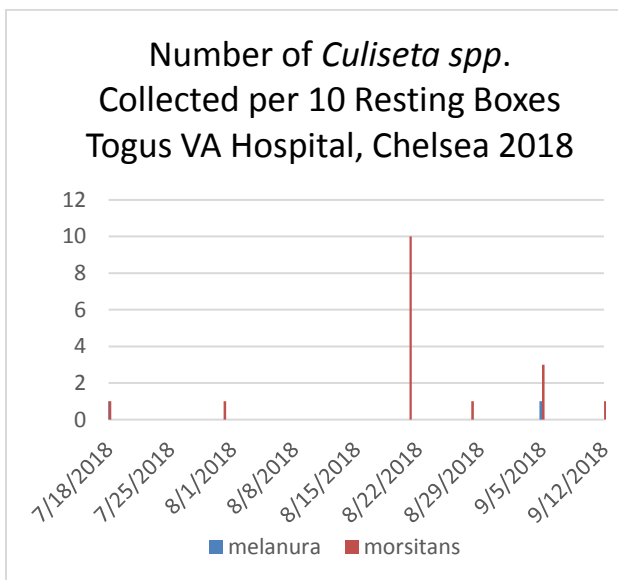
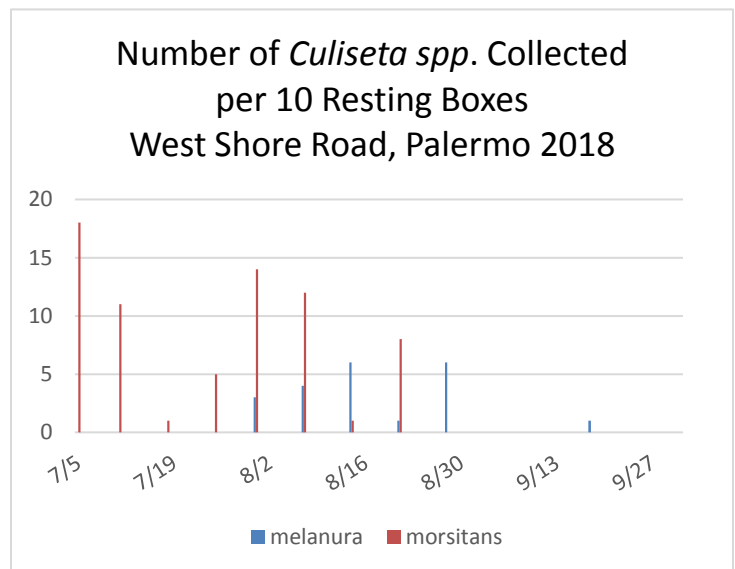
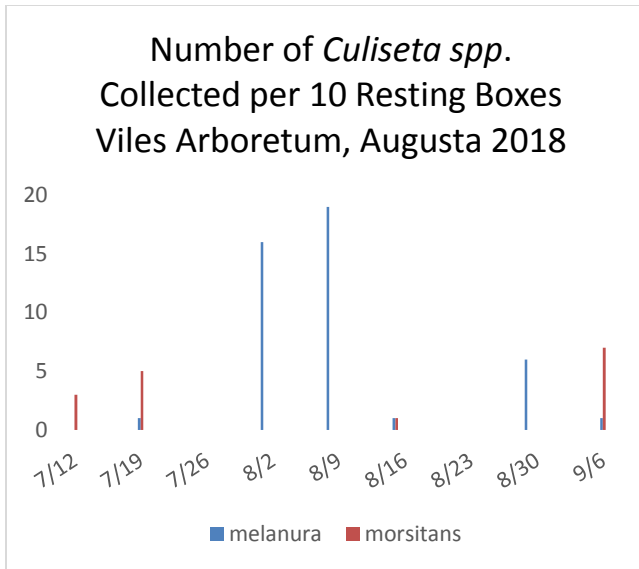


Results of Mosquito Monitoring Conducted by Maine Department of Agriculture, Conservation and Forestry IPM Program- 2018

Two types of traps were used. At each site 10 resting boxes and/or one CO2-baited CDC mini light trap was deployed. Traps were deployed at 10 sites:

| Town | County | State | Trap Type(s) |
|------------------|----------|-------|--------------------|
| Palermo | Waldo | Maine | RB (Resting Boxes) |
| Windsor | Kennebec | Maine | RB |
| Troy | Waldo | Maine | LT (Light Trap) |
| Chelsea | Kennebec | Maine | RB |
| Augusta | Kennebec | Maine | RB+LT (both) |
| Farmingdale | Kennebec | Maine | RB+LT |
| Unity Plantation | Kennebec | Maine | RB |
| Troy | Waldo | Maine | RB |
| Farmington | Franklin | Maine | LT |
| Belgrade | Kennebec | Maine | LT |

- Mosquitoes collected, sorted, identified and submitted for disease testing at State of Maine Health and Environmental Testing Laboratory (HETL) weekly from 7/05/18 through 9/28/18. None of the samples were found to be positive for West Nile Virus, Eastern equine encephalitis virus or Zika virus in 2018.
- Labor: summer temporary staff member (Hailey Mealey): 131 hrs (@\$17.22/hr = \$2253; included salary plus temp agency service fee). In addition, DAF entomologist, Kathy Murray contributed approximately 100 hours to train and supervise Hailey, deploy traps and service 3 sites in the Unity/Troy area weekly for the entire season, service all 10 sites each week for the last 4 weeks of the field season, and to collect all traps from the field at the end of the season.
- Resting boxes are used to collect primarily *Culiseta spp.* mosquitoes, which are important vectors of EEE. The highest numbers of *Culiseta spp.* were found at four of the ten sites we monitored. The numbers of *Culiseta spp.* collected at each weekly visit from July 1 through Sept 31st 2018, from the 10 resting boxes deployed at each of these four sites, are shown below. Note: Although mosquitoes were monitored at all sites July 1-Sept 31, only *Culiseta spp.* data from the first detection of the season through the last are shown for each site.



Request to BPC for funding to support 2019 DACF mosquito surveillance

10 sites

| Item | rate | salary plus temp staffing fee | hours (20hrs/wk *15 wks) | total \$ |
|--------------------------------|---------------------------------------|--|---|-----------------|
| summer field and lab assistant | \$14.50/hr | 17.255 | 300 | \$5,176.50 |
| mileage | 100 miles/week x 12 weeks @0.45/mi | | | \$540.00 |
| supplies (co2) | \$55/week x 12 weeks | | | \$660.00 |
| total | | | | \$6,376.50 |