# Mosquito Surveillance Report

14 October 2013

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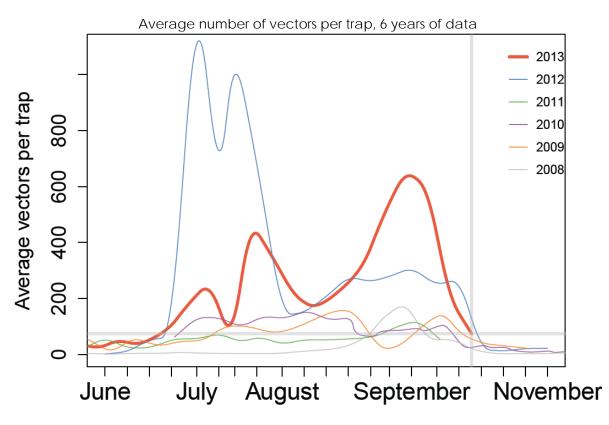
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# **Summary: Big Drop**

The number of mosquito vectors caught in local traps dropped by 90% from September 17<sup>th</sup> to October 8th.

# **Historical Comparison**

After record highs for September, the average number of disease vectors per trap has returned to normal levels.



WNV has been under "enhanced surveillance" since September 24th, when the data which revealed the recent spike in WNV vectors came in.

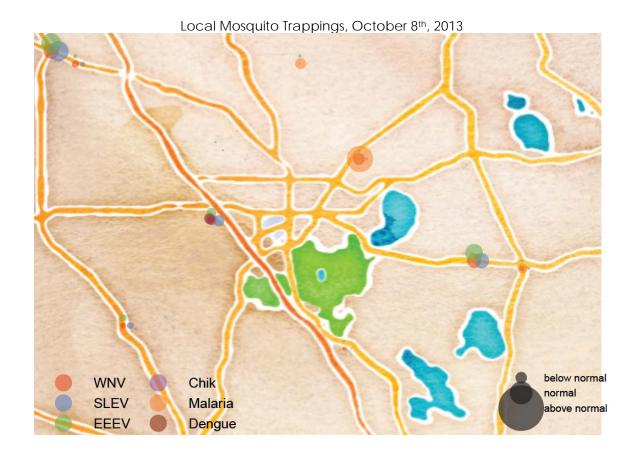
## **West Nile Worries**

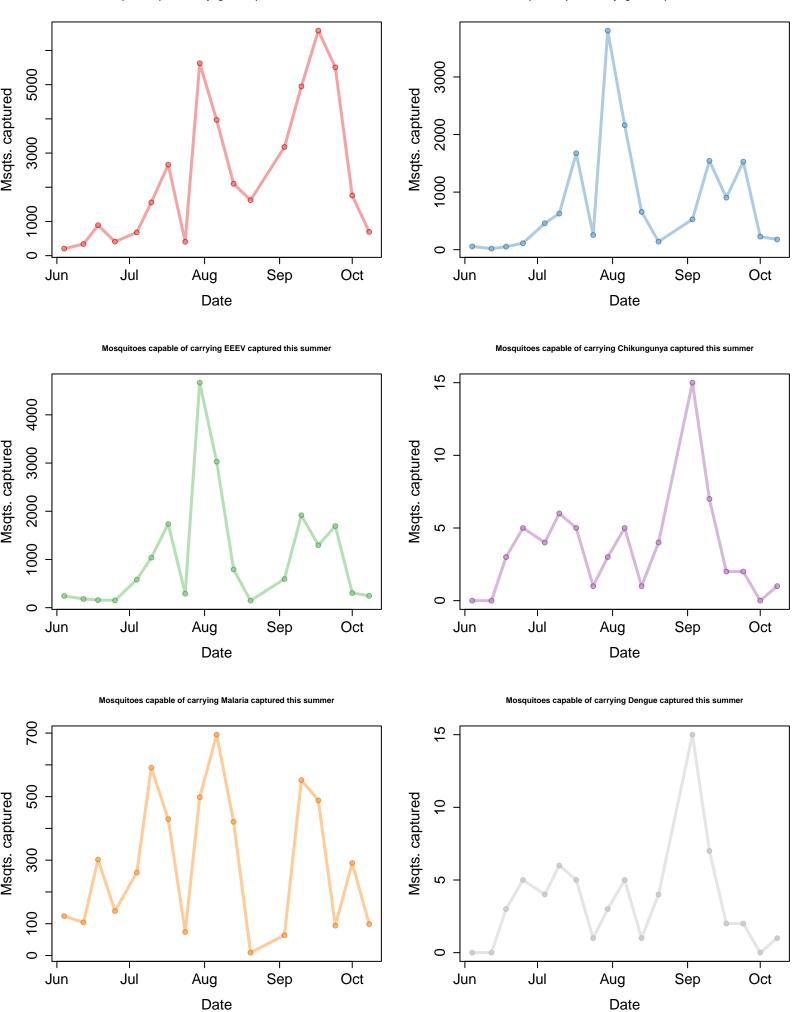
Last month saw unusually high numbers of mosquitoes in local traps, particularly the 6 species capable of carrying West Nile Virus (Aedes albopictus, C. quinquefasciatus, C. Salinarius, C restuans, C. perturbans and C. erraticus). Meanwhile, a local resident was diagnosed with WNV (confirmation pending).

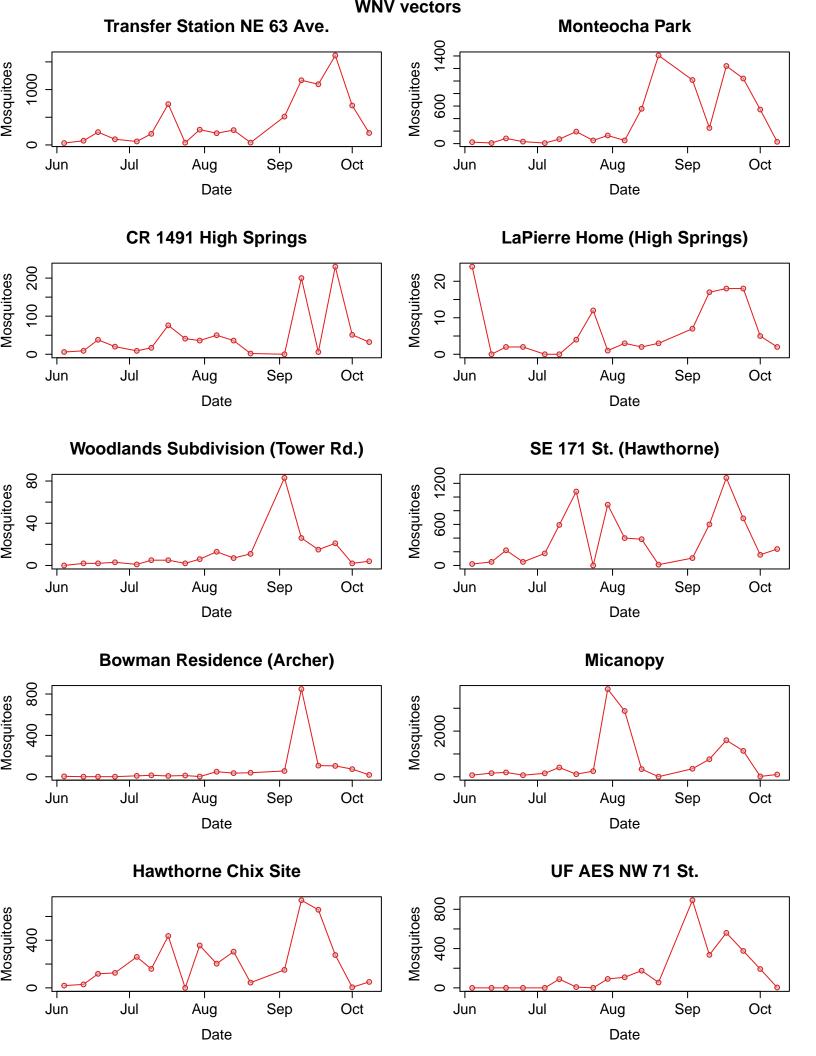
Fortunately, as the plots on pages 3-11 show, the number of mosquitoes capable of carrying WNV has dropped drastically.

### Conclusion

Pending confirmation of the local WNV case (which will necessitate an official "advisory"), no action is called for at this time.







#### SLEV vectors Transfer Station NE 63 Ave. **Monteocha Park** 400 Mosquitoes Mosquitoes 100 200 40 0 Aug Jun Jul Sep Oct Jun Jul Sep Oct Aug Date Date **CR 1491 High Springs LaPierre Home (High Springs)** Mosquitoes Mosquitoes 100 15 40 2 0 Oct Jul Jul Aug Sep Jun Jun Aug Sep Oct Date Date **Woodlands Subdivision (Tower Rd.)** SE 171 St. (Hawthorne) 300 600 Mosquitoes Mosquitoes 20 20 Jul Jul Sep Oct Jun Oct Jun Aug Aug Sep Date Date **Bowman Residence (Archer) Micanopy** 900 Mosquitoes Mosquitoes 1500 300 0 Sep Oct Jul Oct Jul Aug Aug Jun Jun Sep Date Date UF AES NW 71 St. **Hawthorne Chix Site** 400 Mosquitoes Mosquitoes 9 200 30 0 Jul Sep Jul Aug Aug Oct Jun Oct Sep Jun Date Date

#### **EEEV vectors** Transfer Station NE 63 Ave. **Monteocha Park** 400 Mosquitoes Mosquitoes 100 200 0 40 Sep Aug Jul Sep Oct Jun Jul Jun Aug Oct Date Date **CR 1491 High Springs LaPierre Home (High Springs)** Mosquitoes Mosquitoes 100 15 40 2 Oct Jul Jul Aug Sep Aug Jun Jun Sep Oct Date Date **Woodlands Subdivision (Tower Rd.)** SE 171 St. (Hawthorne) 300 600 Mosquitoes Mosquitoes 20 20 0 Jul Sep Oct Jun Jul Oct Jun Aug Aug Sep Date Date **Bowman Residence (Archer) Micanopy** 900 Mosquitoes Mosquitoes 2000 300 0 Sep Oct Sep Jul Aug Jul Aug Oct Jun Jun Date Date **Hawthorne Chix Site** UF AES NW 71 St. 8 400 Mosquitoes Mosquitoes 200 40 0 Sep Jul Aug Jul Aug Oct Jun Oct Jun Sep

Date

Date

#### Chikungunya vectors **Transfer Station NE 63 Ave. Monteocha Park** 1.0 Mosquitoes Mosquitoes 0.8 0.0 0.4 1.0 0.0 Oct Jul Aug Sep Jun Jul Aug Sep Jun Oct Date Date **CR 1491 High Springs LaPierre Home (High Springs)** 2.0 Mosquitoes Mosquitoes က 1.0 $^{\circ}$ 0.0 0 Sep Aug Jul Oct Jun Jul Oct Jun Aug Sep Date Date **Woodlands Subdivision (Tower Rd.)** SE 171 St. (Hawthorne) 1.0 15 Mosquitoes Mosquitoes 19 0.0 2 -1.0 Jul Aug Sep Oct Jun Jul Aug Sep Oct Jun Date Date **Bowman Residence (Archer) Micanopy** 1.0 Mosquitoes Mosquitoes 0.8 0.0 0.4 -1.0 0.0 Sep Oct Jul Jun Jul Oct Jun Aug Aug Sep Date Date **Hawthorne Chix Site** UF AES NW 71 St. Mosquitoes Mosquitoes 0.4 0.8 က $^{\circ}$ 0.0 0 Sep Jul Aug Jun Jul Aug Oct Jun Sep Oct Date Date

#### Malaria vectors **Transfer Station NE 63 Ave. Monteocha Park** Mosquitoes 100 Mosquitoes 10 40 2 Aug Oct Jul Sep Jul Aug Sep Oct Jun Date Date **CR 1491 High Springs LaPierre Home (High Springs)** 9 Mosquitoes Mosquitoes 0.4 0.8 $^{\circ}$ 0 Oct Jul Sep Oct Jul Aug Jun Aug Sep Jun Date Date **Woodlands Subdivision (Tower Rd.)** SE 171 St. (Hawthorne) 2.0 Mosquitoes 0 100 250 Mosquitoes 1.0 Jul Aug Sep Oct Jun Jul Aug Sep Oct Jun Date Date **Bowman Residence (Archer) Micanopy** 300 Mosquitoes Mosquitoes 0.8 150 0.4 Sep Oct Jul Sep Jul Aug Aug Oct Jun Jun Date Date UF AES NW 71 St. **Hawthorne Chix Site** Mosquitoes Mosquitoes 40 80 Sep Jul Aug Jul Oct Jun Oct Sep Jun Aug Date Date

#### Dengue vectors **Transfer Station NE 63 Ave. Monteocha Park** 1.0 Mosquitoes Mosquitoes 0.8 0.0 0.4 1.0 0.0 Sep Oct Jul Aug Jun Jul Sep Jun Aug Oct Date Date **CR 1491 High Springs LaPierre Home (High Springs)** 2.0 Mosquitoes Mosquitoes 1.0 $^{\circ}$ 0.0 Sep Oct Aug Jul Jun Jul Oct Jun Aug Sep Date Date **Woodlands Subdivision (Tower Rd.)** SE 171 St. (Hawthorne) 1.0 15 Mosquitoes Mosquitoes 19 0.0 2 1.0 Oct Jul Sep Jun Jul Aug Sep Oct Jun Aug Date Date **Bowman Residence (Archer) Micanopy** 1.0 Mosquitoes Mosquitoes 0.8 0.0 0.4 -1.0 0.0 Sep Oct Jul Aug Jun Jul Sep Oct Jun Aug Date Date **Hawthorne Chix Site** UF AES NW 71 St. Mosquitoes Mosquitoes 0.4 0.8 က $^{\circ}$ 0.0 0 Sep Jul Aug Jun Jul Aug Oct Jun Sep Oct Date Date

#### All vectors Transfer Station NE 63 Ave. **Monteocha Park** 1400 Mosquitoes Mosquitoes 1000 009 Oct Sep Aug Jul Sep Jul Oct Jun Aug Jun Date Date **CR 1491 High Springs LaPierre Home (High Springs)** 200 Mosquitoes 20 Mosquitoes 100 10 Jul Oct Jul Sep Aug Sep Aug Oct Jun Jun Date Date **Woodlands Subdivision (Tower Rd.)** SE 171 St. (Hawthorne) 600 1200 8 Mosquitoes Mosquitoes 40 Sep Jul Aug Oct Jul Aug Sep Oct Jun Jun Date Date **Bowman Residence (Archer) Micanopy** Mosquitoes Mosquitoes 2000 400 Aug Sep Oct Jul Aug Sep Jul Oct Jun Jun Date Date **Hawthorne Chix Site** UF AES NW 71 St. 400 800 Mosquitoes Mosquitoes Sep Oct Jul Jul Aug Jun Aug Oct Jun Sep Date Date

### Disease vectors by location

