

## Florida Arbovirus Surveillance Week 5: January 31 – February 2, 2010

Arbovirus surveillance in Florida includes endemic viruses West Nile virus (WNV), Eastern equine encephalitis virus (EEEV), St. Louis encephalitis virus (SLEV), and Highlands J virus (HJV) and imported viruses such as Dengue virus (DENV) and California encephalitis group viruses (CEV). During the period January 24-30, 2010, the following arboviral activity was recorded in Florida:

**EEEV activity:** One sentinel chicken in Walton County with collection date in 2009 and one live wild bird in Okaloosa County tested positive for antibodies to EEEV. In 2010, positive samples from three sentinel chickens and two live wild birds have been received. To date, three of Florida’s 67 counties have reported EEEV activity.

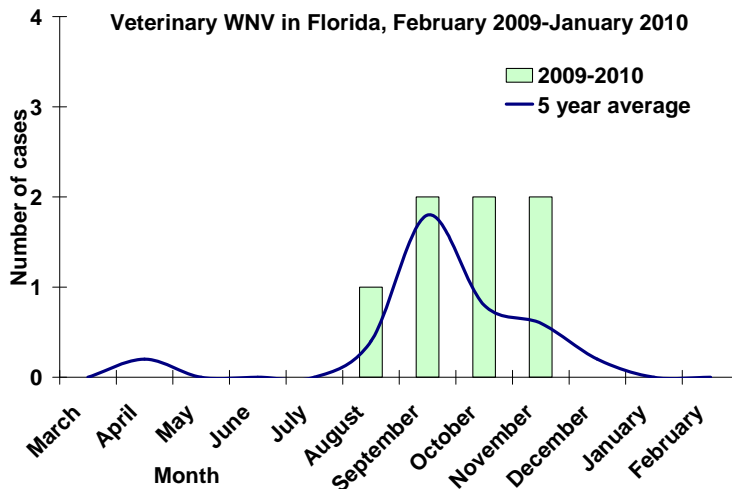
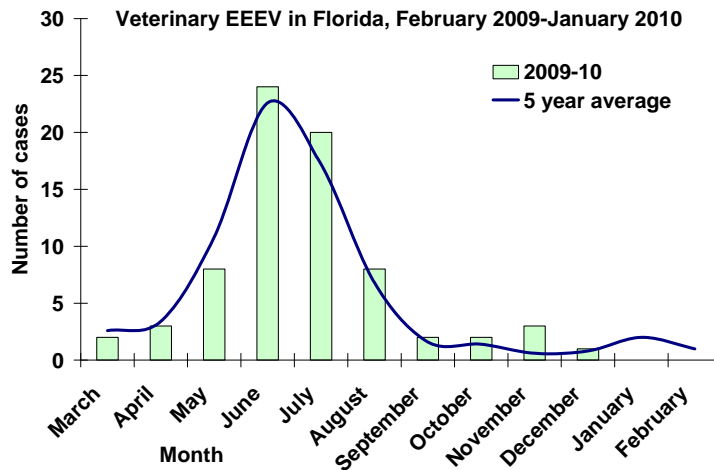
**WNV activity:** No activity has been reported.

**HJV activity:** No activity has been reported.

**Advisories/Alerts:** Monroe County is under a mosquito-borne illness advisory.

## Veterinary Cases

No positive horses were reported this week.

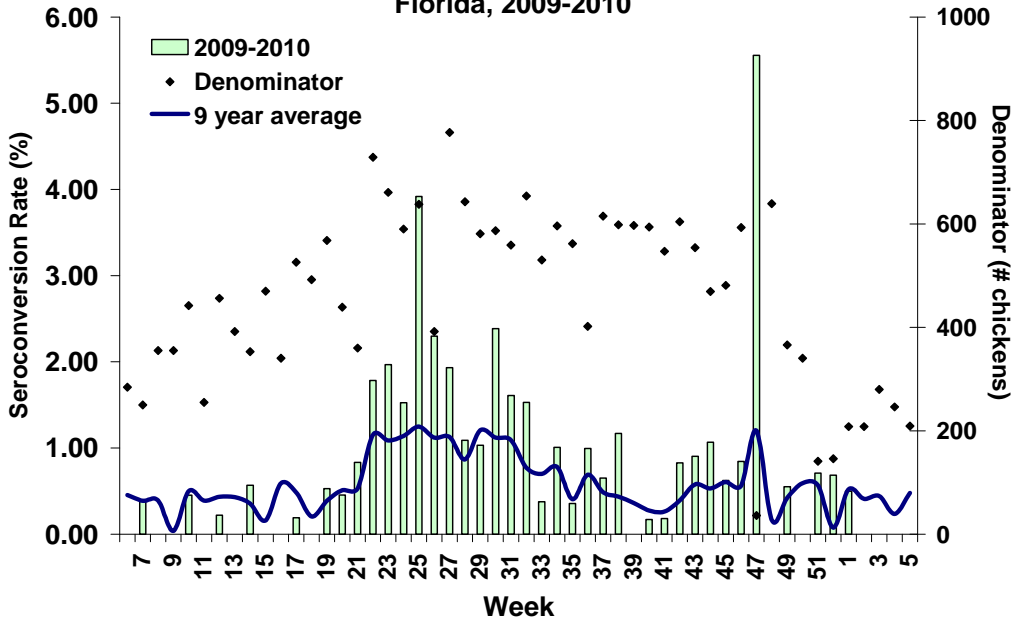


## Sentinel Chickens

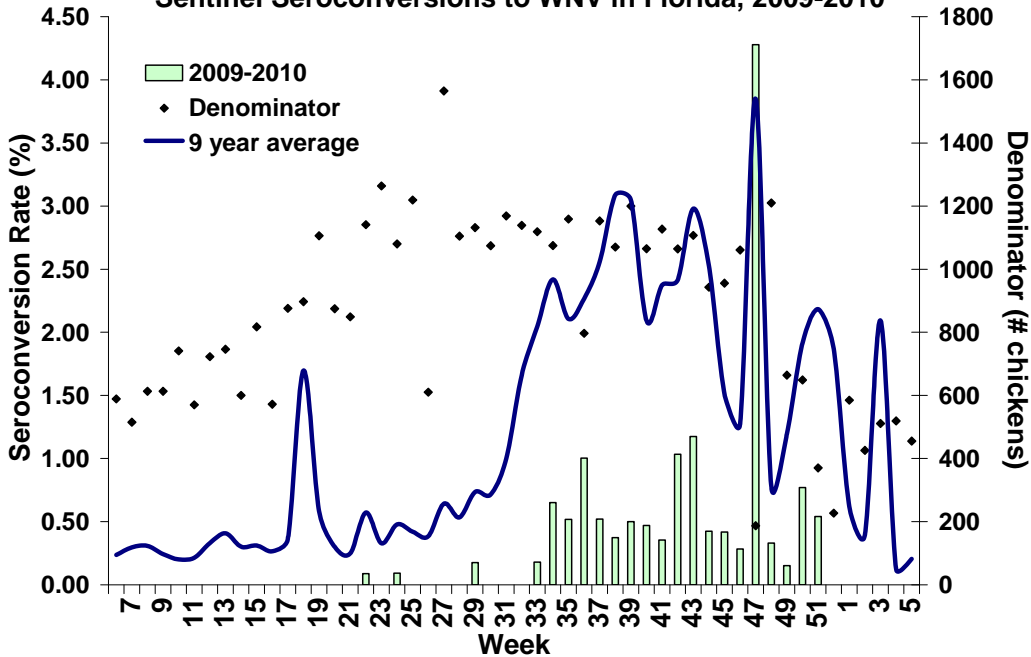
There was one seroconversion to EEEV in a sentinel chicken from Walton County. It will be included in 2009 data. Seroconversion rates are calculated by week and include previously reported results.

County	Collection Date	Seroconversion Rates (%)				Week	County Totals
		SLEV	WNV	EEEV	HJV		YTD
Walton (North)	12/07/09			8.0		2 EEE	68 EEE, 15 WNV, 36 HJV (2009)

**Sentinel Seroconversions to EEEV in North and Panhandle Florida, 2009-2010**



**Sentinel Seroconversions to WNV in Florida, 2009-2010**



## Live Wild Birds

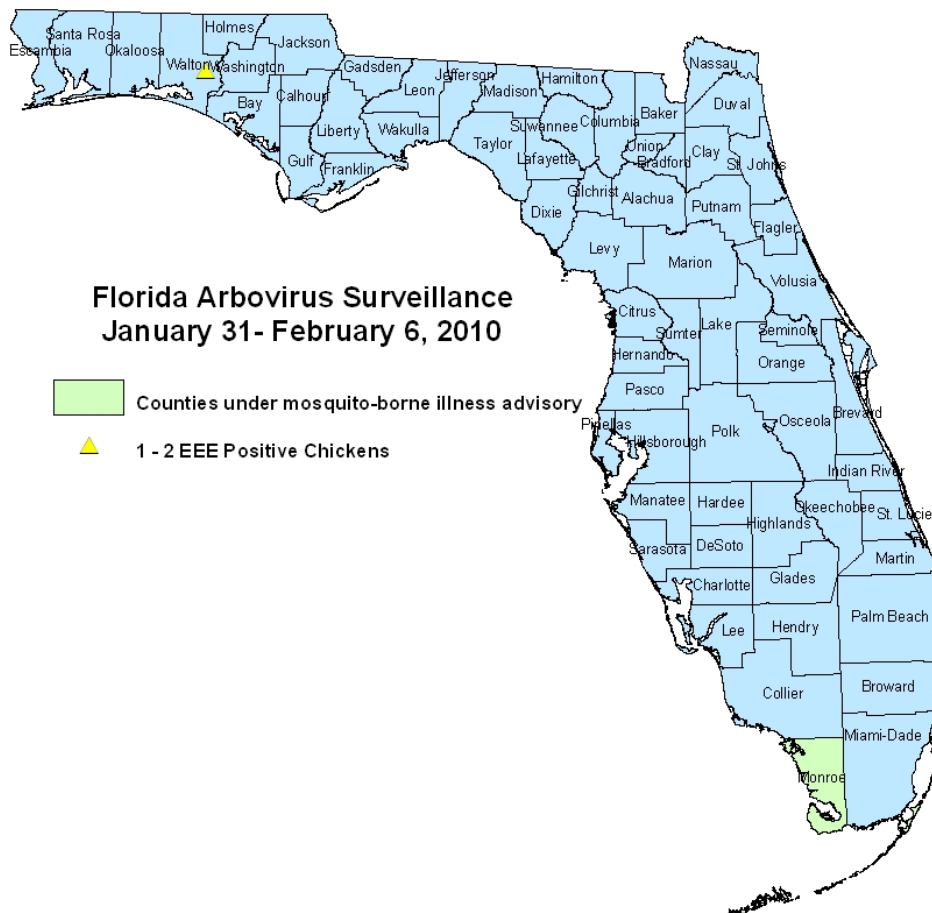
Out of 32 live wild birds collected from three counties on January 25-29, 2010, a blue jay tested positive for antibodies to EEEV.

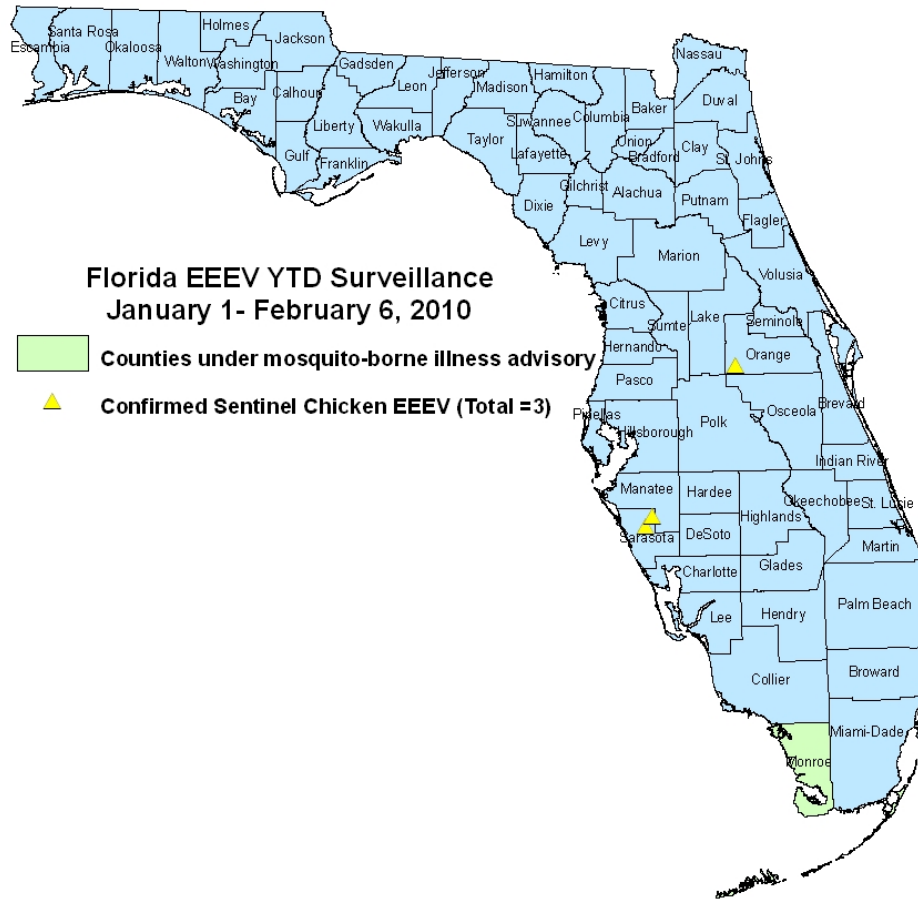
County	Collection Date	EEEV	Flavi	Species	EEEV Rate	Flavi Rate	County YTD
Ocalaosa	01/27/10	1		Blue Jay	1 out of 9	N/A	2 EEE

## Dead Birds

The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, five reports representing 16 dead birds were received from four counties. None were identified as crows, jays, or raptors. In 2010, 28 reports representing a total of 95 dead birds (0 crows, 0 jays, 8 raptors, 87 others) have been received from 17 of Florida's 67 counties. Please note that FWC collects reports of birds that have died from a variety of causes, not only arboviruses. Dead birds should be reported to [www.myfwc.com/bird/](http://www.myfwc.com/bird/).

## Maps





**YTD Arbovirus Activity by County**

County	Arbovirus Activity
Sarasota	EEE: 2 sentinels (1/5, 1/11)
Okaloosa	EEE : 2 live wild birds (1 house sparrow 1/4, 1 blue jay 1/27)
Orange	EEE : 1 sentinel (1/7)

**Acknowledgements and Data Sources**

Contributors: Elizabeth Radke, MPH, Kristina Weis, PhD, Danielle Stanek, DVM, and Carina Blackmore, DVM, PhD.

Data is provided by county health departments, Department of Health Laboratories, Department of Agriculture and Consumer Services, mosquito control agencies, Florida Fish and Wildlife Conservation Commission, medical providers and veterinarians. Equine cases are determined by the Department of Agriculture and Consumer Services. Wild captured bird information is provided by the John A. Mulrennan Public Health Entomology Research and Education Center.