

## Florida Mosquito-Borne Disease Summary for the Week of August 9-15, 2009

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During the period August 9-15, 2009, the following arboviral activity (St. Louis encephalitis virus [SLEV], Eastern equine encephalitis virus [EEEV], Highlands J virus [HJV], West Nile virus [WNV], California encephalitis group viruses [CEV]) was recorded in Florida:

**EEEV activity:** One EEEV-confirmed positive miniature donkey was reported from Okaloosa County. There were eleven seroconversions to EEEV in sentinel chickens from St. Johns (4), Orange (4), Nassau (2), and Volusia counties. Nine live wild birds captured from Okaloosa, Santa Rosa, and Walton counties tested positive for antibodies to EEEV.

**WNV/SLEV activity:** None this week.

**HJV activity:** None this week

**CEV activity:** None this week.

### Advisories/Alerts:

St. Johns County issued a mosquito-borne illness advisory in response to two EEEV positive horses within a two week period. Clay, Columbia, Leon, Madison, Suwannee, Union, Volusia and Walton counties are also under mosquito-borne illness advisories. No other counties are currently under mosquito-borne illness alert or advisory.

### Veterinary Cases:

One miniature donkey tested positive for EEEV this week in Okaloosa County, bringing the state's total to 60 for 2009.

County	Onset Date	Species	SLE	WNV	EEE	Status
Okaloosa	8/3/09	Equine (Miniature donkey)			1	Euthanized

### Sentinel Chickens:

There were eleven seroconversions to EEEV in sentinel chickens from St. Johns (4), Orange (4), Nassau (2), and Volusia counties. Seroconversion rates are calculated by week and include previously reported results.

County	Collection Date	Seroconversion Rates				By County, Week and Virus
		SLEV	WNV	EEEV	HJV	
St. Johns	8/3/09			6.9		4 EEE
Nassau	8/3/09			7.7		2 EEE
Orange	8/3/09			1.1		1 EEE
Orange	7/30/09			5.0		5 EEE
Volusia	7/27/09			3.8		1 EEE

**Live Wild Birds:**

Out of 23 live wild birds collected from three counties on August 3-6, five cardinals, three blue jays, and a red-winged blackbird from Okaloosa, Santa Rosa, and Walton counties tested positive for antibodies to EEEV.

County	Collection Date	EEEV	EEEV-Flavi	Flavi	Species	EEEV Rate	Flavi Rate
Okaloosa	8/3/09, 8/5/09	4			2 Blue jays, 1 Cardinal, 1 Red-winged Blackbird	4 out of 9	N/A
Santa Rosa	8/3/09, 8/4/09	4			3 Cardinals, 1 Blue Jay	4 out of 7	N/A
Walton	8/6/09	1			1 Cardinal	1 out of 7	N/A

**Dead Bird Reports:**

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, four reports representing five dead birds were received from three counties. Two were identified as raptors, none were identified as crows or jays. 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/). See the web page for more information: <http://www.doh.state.fl.us/Environment/medicine/arboviral/index.html>