

VECTOR SURVEILLANCE IN NEW JERSEY

EEE, WNV, SLE and LAC

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CDC WEEK 30: July 24 to July 30, 2011

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Culiseta melanura and Eastern Equine Encephalitis

SITE	Inland / Coastal	Historic Mean	Current Weekly Mean	Total Tested to Date*	Total Pools Submitted /Tested [†]	EEE Isolations	MFIR
Green Bank (Burlington County)	Coastal	4.47	0.56	22 [†]	6/5	0	
Corbin City (Atlantic County)	Coastal	1.03	0.40	46 [†]	6/5	0	
Dennisville (Cape May County)	Coastal	7.47	1.68	189	9	0	
Winslow (Camden County)	Inland	0.78	0.52	252	10	0	
Centerton (Salem County)	Inland	1.82	0.64	194	9	0	
Turkey Swamp (Monmouth County)	Inland	1.28	0.64	85 [†]	20/19	0	
Glassboro (Gloucester County)	Inland	0.56	0.52	207	9	0	

*Including trial run last week in May. † Adjusted.

Remarks: The 7 traditional resting box sites for the collection of *Culiseta melanura*, the primary enzootic vector, continue to show no detectable EEE activity, and low *Cs. melanura* populations (although there is some indication of populations growing, see page 3). Total number of *Culiseta melanura* tested to date is 939 from 66 pools. Green Bank, Corbin City and Turkey Swamp have additional pools in the system to be tested this week.

Other mosquito species caught in the resting boxes include *Aedes thibaulti*, *Anopheles barberi*, *An. punctipennis*, *Culex pipiens* and *Cx. restuans*, all testing negative.

Additional <i>Cs. melanura</i> trapped by counties *traps with positives indicated in BOLD .				
County	Trap types*	Number collected (pools)	Number of positives pools	MFIR
Burlington	CO2	592 (21)	0	
Cape May	CO2, Gravid, RB	176 (34)	0	
Cumberland	CO2, Gravid, RB	93 (16)	0	
Gloucester	RB	356 (49)	0	
Ocean	CO2, Gravid, RB	34 (17)	0	
Sussex	CO2	14 (1)	0	
TOTAL		1265 (138)	0	

One hundred thirty eight additional pools containing 1,265 *Cs. melanura* have tested negative from other county trapping sites.

Species other than <i>Cs. melanura</i>	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	6	34		
<i>Aedes atlanticus</i>	1	1		
<i>Aedes atropalpus</i>	2	2		
<i>Aedes canadensis canadensis</i>	8	295		
<i>Aedes cantator</i>	25	193		
<i>Aedes grossbecki</i>	1	3		
<i>Aedes japonicus</i>	9	32		
<i>Aedes sollicitans</i>	20	137		
<i>Aedes sticticus</i>	1	3		
<i>Aedes taeniorhynchus</i>	12	255		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	4	8		
<i>Aedes vexans</i>	6	183		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles bradleyi</i>	19	393		
<i>Anopheles punctipennis</i>	17	185		
<i>Anopheles quadrimaculatus</i>	16	184		
<i>Coquillettidia perturbans</i>	56	1237		
<i>Culex erraticus</i>	63	2969		
<i>Culex pipiens</i>	231	2001		
<i>Culex restuans</i>	16	20		
<i>Culex salinarius</i>	73	724		
<i>Culex</i> spp.	179	6118		
<i>Psorophora columbiae</i>	1	2		
<i>Psorophora howardii</i>	1	2		
State Total	769	14,983		

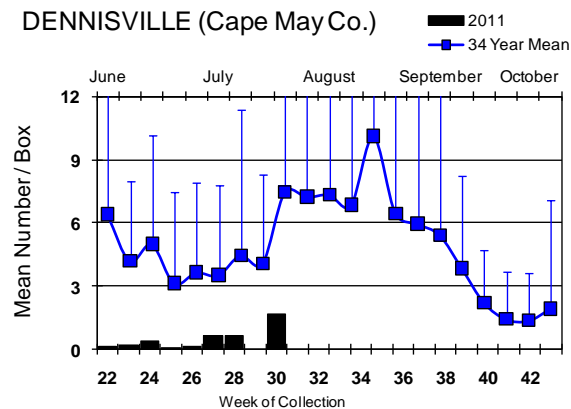
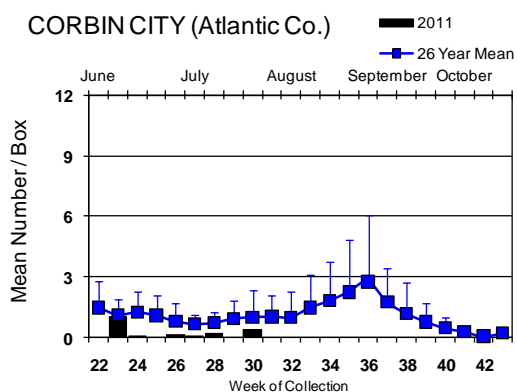
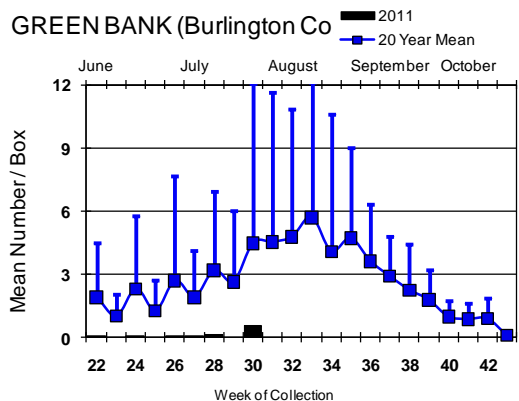
The table to the left indicates non-*melanura* species tested for EEE:

Horses and Humans: No positive horses or humans to date.

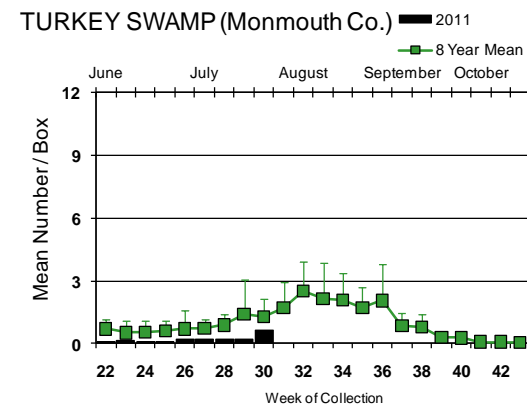
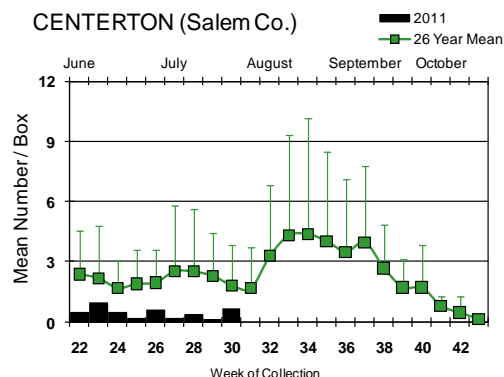
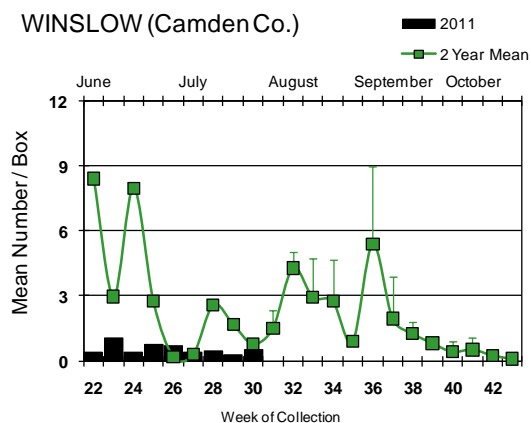
Horses and Vaccinations: The fate of unvaccinated equids reinforces the necessity of maintaining a vaccination schedule for arboviruses. For vaccination schedules recommended by the American Association of Equine Practices, see: http://www.aaep.org/vaccination_guidelines.htm

Culiseta melanura Population Graphs

Coastal



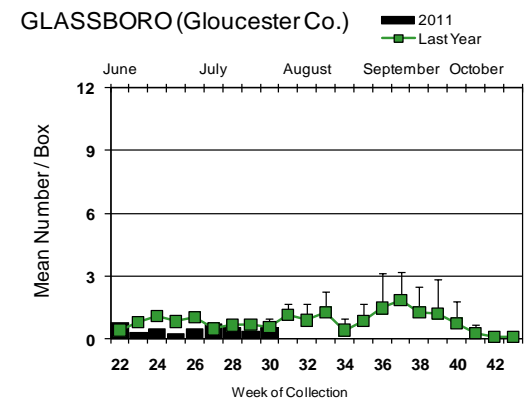
Inland



Populations of *Culiseta melanura* continue to be below historical values at all sites, but are at higher values than the previous recent weeks.

↓ = Positive pool(s) detected.

Note: Both Winslow and Glassboro have single point historical data (the previous year) for weeks 22 to 29.



EEE in US (2011 cumulative cases): (Black or Red = previous + new reported cases occurring)

- equine: 3(FL)
- mosquito pools: 1(MA) 1(NC)
- sentinel: 13 chickens/19 wild bird (FL)
- human:

West Nile Virus

West Nile in US (2011 cumulative cases): Single black values indicate no change from previous week. Black values / red values equals previous week/**New totals**.
 Note: Data reported by all states should be considered provisional and subject to change. Sources for this table can be found [here](#).

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Alabama			1		
Alaska					
Arizona	0	37	0	0	1/4
Arkansas					
California	69/88	147/272	6/19		1
Colorado		0			0
Connecticut		2/8			0
Delaware	2				
DC					
Florida	1 flavi		36/42		
Georgia	0	14		1	0
Hawaii					
Idaho					
Illinois	2	18/26	0	0	0
Indiana	0	1/4		0	0
Iowa		1	3	0	0
Kansas					
Kentucky					
Louisiana					
Maine		0		0	0
Maryland					
Mass.		16/38		0	0
Michigan	0	0	0	0	0
Minnesota	1				
Mississippi		3/6		0	1/6
Missouri		34		0	0

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Montana				0	0
Nebraska	1	4		0	0
Nevada					0
New Hampshire		0		0	0
New Jersey	0	29/56		0	0
New Mexico					0
New York		1/69		0	0
North Carolina					
North Dakota	0	0		3*	1
Ohio		4/21		0	0
Oklahoma					
Oregon	0	0	0	0	0
Pennsylvania	3	117/200		1*	0
Rhode Island		0		0	0
South Carolina	0	0		0	0
South Dakota		0		0	1
Tennessee	0	102/184		0	0
Texas	1	115/171		0	2/3
Utah		3	0	0	0
Vermont	0	0		0	0
Virginia		0	0	0	0
Washington	0	0		0	0
West Virginia	0	0		0	0
Wisconsin	0	0		0	0
Wyoming		3		0	1

* Other species (e.g., dogs) reported positive.

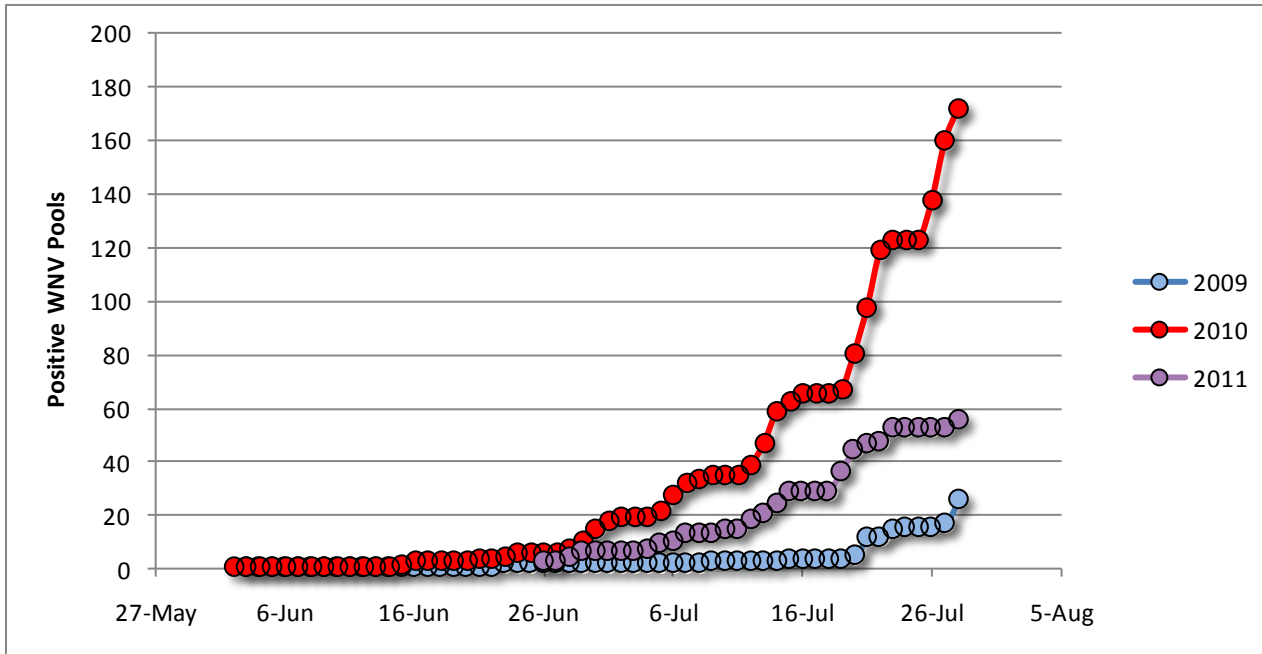
Protocol: New Jersey Department of Health and Senior Services (NJDHSS Public Health and Environmental Laboratories, PHEL) and the Cape May County Division of Mosquito Control tests mosquito pools using RT-PCR Taqman techniques.

Mosquito Species Submitted for West Nile Virus Testing through 26 July 2011

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	189	847		
<i>Aedes atlanticus</i>	1	1		
<i>Aedes atropalpus</i>	2	2		
<i>Aedes aurifer</i>	1	2		
<i>Aedes canadensis canadensis</i>	51	772		
<i>Aedes cantator</i>	41	226		
<i>Aedes cinereus</i>	3	5		
<i>Aedes grossbecki</i>	3	8		
<i>Aedes japonicus</i>	217	1419		
<i>Aedes sollicitans</i>	28	180		
<i>Aedes sticticus</i>	2	24		
<i>Aedes stimulans</i>	5	47		
<i>Aedes taeniorhynchus</i>	23	420		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	123	327		
<i>Aedes trivittatus</i>	12	158		
<i>Aedes vexans</i>	63	449		
<i>Anopheles barberi</i>	4	4		
<i>Anopheles bradleyi</i>	24	406		
<i>Anopheles punctipennis</i>	46	250		
<i>Anopheles quadrimaculatus</i>	58	394		
<i>Anopheles walkeri</i>	1	7		
<i>Coquillettidia perturbans</i>	80	1422		
<i>Culex erraticus</i>	68	2990		
<i>Culex pipiens</i>	402	7733	11	1.422
<i>Culex restuans</i>	343	2283	1	0.438
<i>Culex salinarius</i>	77	743		
<i>Culex spp.</i>	1257	52408	43	0.820
<i>Culiseta inornata</i>	2	3		
<i>Culiseta melanura</i>	211	2244	1	0.446
<i>Psorophora ciliata</i>	1	1		
<i>Psorophora columbiae</i>	4	15		
<i>Psorophora ferox</i>	12	81		
<i>Psorophora howardii</i>	1	2		
<i>Uranotaenia sapphirina</i>	3	32		
State Total	3,359	75,906	56	0.738

Remarks: To date, there have been 75,906 mosquitoes tested in 3,359 pools from 34 species. Currently, 56 positive pools have been detected last week in *Culex pipiens*, *Cx. restuans* or Mixed *Culex* pools or from *Culiseta melanura*, all ornithophilic species. Positive pools come from Bergen, Burlington, Camden, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Somerset, Union and Warren County. Dates positive samples were collected were between 28 June and 26 July.

In a comparison with the previous two years of very different activity levels (2010 with high activity and 2009 with moderately low activity), we can see that currently, 2011 appears to be in between the two years. It should be noted that in the current year, there was a slight delay in the northern (and usually more active area of the state) in the testing of samples. However, even in the southern portions of New Jersey, where sampling had occurred since the end of May/beginning of June, there were no positive samples until the end of June.



Humans, Horses and Wild Birds: There are no positive human or horse cases reported.

Bird testing began in mid-April. 37 birds have been tested with no positives detected. Species include American Crow *Corvus brachyrhynchos* (1), Blue Jays *Cyanocitta cristata* (5), Fish Crows *Corvus ossifragus* (11) unknown *Corvus* (2) and Other (non-corvid) species (18). The birds were submitted from Atlantic, Burlington, Cape May, Cumberland, Gloucester, Monmouth, Morris, Ocean and Warren counties.

2011 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
56 / 3,359 (0.017)	190 / 2313 (.082)
2011 Positive Birds to date / Total Birds Submitted	This time last year
0 / 37 (0)	32 / 91 (0.352)

WNV Results by County through 26 July 2011

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		91	2937		
	<i>Aedes albopictus</i>	5	58		
	<i>Aedes canadensis canadensis</i>	2	9		
	<i>Aedes cantator</i>	3	20		
	<i>Aedes japonicus</i>	2	8		
	<i>Aedes sollicitans</i>	2	29		
	<i>Aedes taeniorhynchus</i>	2	51		
	<i>Aedes thibaulti</i>	1	1		
	<i>Aedes triseriatus</i>	2	6		
	<i>Aedes vexans</i>	6	45		
	<i>Anopheles bradleyi</i>	1	5		
	<i>Anopheles punctipennis</i>	1	1		
	<i>Anopheles quadrimaculatus</i>	4	57		

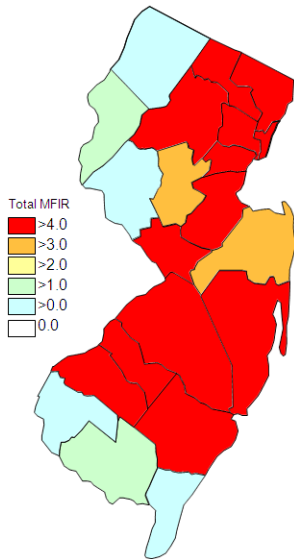
	<i>Coquillettidia perturbans</i>	1	1		
	<i>Culex restuans</i>	52	2577		
	<i>Culex</i> spp.	6	58		
	<i>Culiseta melanura</i>	1	11		
	<i>Psorophora ferox</i>	5	58		
Bergen		45	3375	15	4.444
	<i>Culex</i> spp.	45	3375	15	4.444
Burlington		218	8159	5	0.613
	<i>Aedes albopictus</i>	4	32		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes atropalpus</i>	2	2		
	<i>Aedes canadensis canadensis</i>	7	290		
	<i>Aedes cantator</i>	2	63		
	<i>Aedes grossbecki</i>	1	3		
	<i>Aedes japonicus</i>	5	27		
	<i>Aedes sollicitans</i>	5	97		
	<i>Aedes sticticus</i>	1	3		
	<i>Aedes taeniorhynchus</i>	5	31		
	<i>Aedes triseriatus</i>	3	6		
	<i>Aedes vexans</i>	5	182		
	<i>Anopheles bradleyi</i>	1	73		
	<i>Anopheles punctipennis</i>	2	13		
	<i>Coquillettidia perturbans</i>	22	724		
	<i>Culex erraticus</i>	2	9		
	<i>Culex pipiens</i>	4	29		
	<i>Culex salinarius</i>	11	121		
	<i>Culex</i> spp.	107	5849	4	0.684
	<i>Culiseta melanura</i>	26	600	1	1.667
	<i>Psorophora columbiae</i>	1	2		
	<i>Psorophora howardii</i>	1	2		
Camden		92	1975	1	0.506
	<i>Aedes albopictus</i>	16	31		
	<i>Aedes japonicus</i>	13	38		
	<i>Aedes triseriatus</i>	2	5		
	<i>Anopheles punctipennis</i>	2	2		
	<i>Anopheles quadrimaculatus</i>	1	2		
	<i>Culex</i> spp.	48	1645	1	0.608
	<i>Culiseta melanura</i>	10	252		
Cape May		1100	10857		
	<i>Aedes albopictus</i>	45	59		
	<i>Aedes canadensis canadensis</i>	16	332		
	<i>Aedes cantator</i>	22	106		
	<i>Aedes japonicus</i>	54	117		
	<i>Aedes sollicitans</i>	15	40		
	<i>Aedes taeniorhynchus</i>	12	261		
	<i>Aedes triseriatus</i>	36	62		
	<i>Aedes vexans</i>	6	7		
	<i>Anopheles bradleyi</i>	19	324		
	<i>Anopheles punctipennis</i>	5	7		
	<i>Anopheles quadrimaculatus</i>	34	176		
	<i>Coquillettidia perturbans</i>	19	311		
	<i>Culex erraticus</i>	61	2970		

	<i>Culex pipiens</i>	265	2795		
	<i>Culex restuans</i>	309	1994		
	<i>Culex salinarius</i>	62	603		
	<i>Culex spp.</i>	77	328		
	<i>Culiseta melanura</i>	43	365		
Cumberland		58	625		
	<i>Aedes albopictus</i>	4	4		
	<i>Aedes canadensis canadensis</i>	2	6		
	<i>Aedes japonicus</i>	1	7		
	<i>Aedes triseriatus</i>	7	14		
	<i>Aedes vexans</i>	1	2		
	<i>Anopheles punctipennis</i>	1	2		
	<i>Coquillettidia perturbans</i>	8	136		
	<i>Culex erraticus</i>	1	1		
	<i>Culex pipiens</i>	1	7		
	<i>Culex restuans</i>	2	5		
	<i>Culex spp.</i>	14	348		
	<i>Culiseta melanura</i>	16	93		
Essex		265	6076	2	0.329
	<i>Aedes albopictus</i>	21	64		
	<i>Aedes canadensis canadensis</i>	2	8		
	<i>Aedes grossbecki</i>	2	5		
	<i>Aedes japonicus</i>	38	577		
	<i>Aedes sticticus</i>	1	21		
	<i>Aedes stimulans</i>	4	46		
	<i>Aedes triseriatus</i>	27	78		
	<i>Aedes vexans</i>	20	100		
	<i>Culex spp.</i>	148	5161	2	0.388
	<i>Psorophora ferox</i>	2	16		
Gloucester		206	5364	10	1.864
	<i>Aedes albopictus</i>	6	28		
	<i>Aedes japonicus</i>	9	68		
	<i>Aedes triseriatus</i>	3	8		
	<i>Anopheles punctipennis</i>	8	159		
	<i>Anopheles quadrimaculatus</i>	9	166		
	<i>Coquillettidia perturbans</i>	1	1		
	<i>Culex pipiens</i>	112	4371	10	2.288
	<i>Culiseta melanura</i>	58	563		
Hudson		60	4175	3	0.719
	<i>Culex spp.</i>	60	4175	3	0.719
Hunterdon		70	3500	2	0.571
	<i>Culex spp.</i>	70	3500	2	0.571
Mercer		53	878	2	2.278
	<i>Aedes albopictus</i>	12	70		
	<i>Aedes japonicus</i>	11	32		
	<i>Aedes triseriatus</i>	1	3		
	<i>Aedes vexans</i>	1	2		
	<i>Culex erraticus</i>	1	2		
	<i>Culex pipiens</i>	15	523	1	1.912

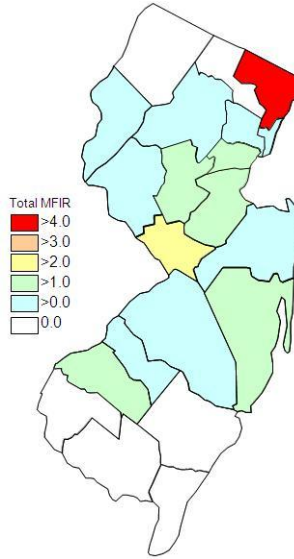
	<i>Culex restuans</i>	10	244	1	4.098
	<i>Culex salinarius</i>	1	1		
	<i>Psorophora ferox</i>	1	1		
Middlesex		66	2871	3	1.045
	<i>Aedes albopictus</i>	4	28		
	<i>Aedes japonicus</i>	12	154		
	<i>Aedes triseriatus</i>	1	5		
	<i>Culex</i> spp.	66	2684	3	1.118
Monmouth		206	2105	1	0.475
	<i>Aedes albopictus</i>	18	42		
	<i>Aedes canadensis canadensis</i>	12	98		
	<i>Aedes cantator</i>	7	28		
	<i>Aedes japonicus</i>	22	85		
	<i>Aedes sollicitans</i>	3	9		
	<i>Aedes taeniorhynchus</i>	4	77		
	<i>Aedes triseriatus</i>	15	58		
	<i>Aedes trivittatus</i>	3	4		
	<i>Aedes vexans</i>	7	15		
	<i>Anopheles barberi</i>	4	4		
	<i>Anopheles punctipennis</i>	8	18		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Coquillettidia perturbans</i>	6	29		
	<i>Culex pipiens</i>	2	3		
	<i>Culex restuans</i>	3	3		
	<i>Culex salinarius</i>	1	16		
	<i>Culex</i> spp.	63	1508	1	0.663
	<i>Culiseta melanura</i>	21	55		
	<i>Psorophora ciliata</i>	1	1		
	<i>Psorophora columbiae</i>	1	6		
	<i>Psorophora ferox</i>	4	45		
Morris		70	2328	2	0.859
	<i>Aedes japonicus</i>	2	35		
	<i>Coquillettidia perturbans</i>	2	65		
	<i>Culex</i> spp.	66	2981	2	0.671
Ocean		177	1228	2	1.629
	<i>Aedes albopictus</i>	36	312		
	<i>Aedes canadensis canadensis</i>	5	5		
	<i>Aedes cantator</i>	6	7		
	<i>Aedes japonicus</i>	18	46		
	<i>Aedes sollicitans</i>	1	1		
	<i>Aedes triseriatus</i>	9	16		
	<i>Aedes trivittatus</i>	2	2		
	<i>Aedes vexans</i>	8	23		
	<i>Anopheles bradleyi</i>	2	3		
	<i>Anopheles punctipennis</i>	6	6		
	<i>Anopheles quadrimaculatus</i>	1	2		
	<i>Coquillettidia perturbans</i>	9	74		
	<i>Culex erraticus</i>	1	1		
	<i>Culex restuans</i>	7	8		
	<i>Culex salinarius</i>	2	2		
	<i>Culex</i> spp.	44	682	2	2.933
	<i>Culiseta melanura</i>	17	34		

<i>Psorophora ferox</i>	3	4		
Passaic	55	1362		
<i>Aedes canadensis canadensis</i>	2	5		
<i>Aedes japonicus</i>	8	101		
<i>Aedes triseriatus</i>	6	24		
<i>Aedes trivittatus</i>	3	28		
<i>Anopheles punctipennis</i>	1	1		
<i>Coquillettidia perturbans</i>	1	3		
<i>Culex</i> spp.	34	1200		
Salem	109	1350		
<i>Aedes albopictus</i>	3	4		
<i>Aedes aurifer</i>	1	2		
<i>Aedes canadensis canadensis</i>	3	19		
<i>Aedes cantator</i>	1	2		
<i>Aedes japonicus</i>	13	38		
<i>Aedes sollicitans</i>	2	4		
<i>Aedes triseriatus</i>	7	16		
<i>Aedes vexans</i>	6	31		
<i>Anopheles bradleyi</i>	1	1		
<i>Anopheles punctipennis</i>	6	8		
<i>Anopheles quadrimaculatus</i>	7	15		
<i>Coquillettidia perturbans</i>	5	18		
<i>Culex erraticus</i>	2	7		
<i>Culex pipiens</i>	3	5		
<i>Culex restuans</i>	7	17		
<i>Culex</i> spp.	30	960		
<i>Culiseta inornata</i>	1	2		
<i>Culiseta melanura</i>	9	194		
<i>Psorophora columbiae</i>	2	7		
Somerset	69	1122	2	1.783
<i>Aedes albopictus</i>	4	17		
<i>Aedes japonicus</i>	6	72		
<i>Aedes triseriatus</i>	4	26		
<i>Anopheles punctipennis</i>	1	6		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex</i> spp.	53	1000	2	2.000
Sussex	77	2951		
<i>Culex restuans</i>	4	11		
<i>Culex</i> spp.	69	2911		
<i>Culiseta melanura</i>	4	29		
Union	51	1687	3	1.778
<i>Aedes albopictus</i>	11	98		
<i>Aedes japonicus</i>	3	14		
<i>Culex</i> spp.	37	1575	3	1.905
Warren	204	10228	3	0.293
<i>Aedes cinereus</i>	3	5		
<i>Aedes stimulans</i>	1	1		
<i>Aedes trivittatus</i>	4	124		
<i>Aedes vexans</i>	3	42		

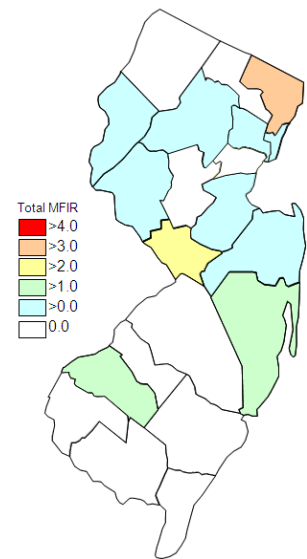
<i>Anopheles punctipennis</i>	5	27		
<i>Anopheles quadrimaculatus</i>	5	32		
<i>Anopheles walkeri</i>	1	7		
<i>Coquillettidia perturbans</i>	2	3		
<i>Culex</i> spp.	174	9949	3	0.302
<i>Culiseta inornata</i>	1	1		
<i>Culiseta melanura</i>	1	1		
<i>Psorophora ferox</i>	1	4		
<i>Uranotaenia sapphirina</i>	3	32		
Grand Total	3,359	75,906	56	0.738



Cumulative WNV activity in 2010.



WNV activity to 26 July 2011.



WNV activity last week, 2011.

Saint Louis Encephalitis (SLE) through 26 July 2011.

New Jersey will be selectively testing for SLE this year. SLE has had previous activity in New Jersey, most notably in 1964 and 1975 (CDC's SLE [website](#)), the latter prompting the surveillance reporting by Rutgers. SLE is a flavivirus and has a similar transmission pattern to West Nile, with *Culex* species as the predominant vectors.

No pools have tested positive for SLE to date in 2011.

County	Species	Pools	Mosquitoes	Positives	MFIR
Burlington		213	8151		
	<i>Aedes albopictus</i>	4	32		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes atropalpus</i>	2	2		
	<i>Aedes canadensis canadensis</i>	7	290		
	<i>Aedes cantator</i>	2	63		
	<i>Aedes grossbecki</i>	1	3		
	<i>Aedes japonicus</i>	5	27		
	<i>Aedes sollicitans</i>	5	97		
	<i>Aedes sticticus</i>	1	3		
	<i>Aedes taeniorhynchus</i>	5	31		
	<i>Aedes triseriatus</i>	3	6		
	<i>Aedes vexans</i>	5	182		
	<i>Anopheles bradleyi</i>	1	73		
	<i>Anopheles punctipennis</i>	2	13		
	<i>Coquillettidia perturbans</i>	22	724		
	<i>Culex erraticus</i>	2	9		
	<i>Culex pipiens</i>	4	29		
	<i>Culex salinarius</i>	11	121		
	<i>Culex</i> spp.	107	5849		
	<i>Culiseta melanura</i>	21	592		
	<i>Psorophora columbiae</i>	1	2		
	<i>Psorophora howardii</i>	1	2		
Camden		82	1723		
	<i>Aedes albopictus</i>	16	31		
	<i>Aedes japonicus</i>	13	38		
	<i>Aedes triseriatus</i>	2	5		
	<i>Anopheles punctipennis</i>	2	2		
	<i>Anopheles quadrimaculatus</i>	1	2		
	<i>Culex</i> spp.	48	1645		
Essex		266	6100		
	<i>Aedes albopictus</i>	21	64		
	<i>Aedes canadensis canadensis</i>	2	8		
	<i>Aedes grossbecki</i>	2	5		
	<i>Aedes japonicus</i>	38	577		
	<i>Aedes sticticus</i>	1	21		
	<i>Aedes stimulans</i>	4	46		
	<i>Aedes triseriatus</i>	27	78		
	<i>Aedes vexans</i>	20	100		
	<i>Culex</i> spp.	149	5185		

	<i>Psorophora ferox</i>	2	16		
Hudson		60	4175		
	<i>Culex</i> spp.	60	4175		
Grand Total		621	20,149		

La Crosse Encephalitis (LAC) through 26 July 2011.

New Jersey will be selectively testing for La Crosse (LAC) virus this year. New Jersey has had 3 cases of this encephalitic disease since 1964 (see CDC's LAC [website](#)). The mortality is low but like other encephalitides, LAC can have both personal (lasting neurological sequelae) and economic impacts. LAC is a bunyavirus with a transmission cycle involving mosquitoes such as *Aedes triseriatus* and small mammals such as squirrels and chipmunks. LAC can not only infect *Aedes albopictus* but transovarial transmission was also demonstrated. (Tesh and Gubler 1975 Laboratory studies of transovarial transmission of La Crosse and other arboviruses by *Aedes albopictus* and *Culex fatigans*. American Journal of Tropical Medicine and Hygiene 24(5):876-880).

No pools tested positive to date for 2011.

County	Species	Pools	Mosquitoes	Positives	MFIR
Cape May		36	62		
	<i>Aedes japonicus</i>	1	1		
	<i>Aedes triseriatus</i>	35	61		
Cumberland		9	18		
	<i>Aedes triseriatus</i>	9	18		
Salem		7	16		
	<i>Aedes triseriatus</i>	7	16		
Grand Total		52	96		