

VECTOR SURVEILLANCE IN NEW JERSEY

EEE, WNV, SLE and LAC

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CDC WEEK 32: August 7 to August 13, 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	4.77	0.08	30 [†]	8/7	0	
Corbin City (Atlantic County)	Coastal	1.03	0.08	49 [†]	8/7	0	
Dennisville (Cape May County)	Coastal	7.35	0.04	192	11	0	
Winslow (Camden County)	Inland	4.28	0.92	343	12	0	
Centerton (Salem County)	Inland	3.27	1.88	329	12	0	
Turkey Swamp (Monmouth County)	Inland	2.50	0.38	119	28	0	
Glassboro (Gloucester County)	Inland	0.88	0.36	245	10	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, still show no detectable EEE activity, and low *Cs. melanura* populations. Total number of *Culiseta melanura* tested to date is 1303 from 88 pools. Green Bank and Corbin City have additional pools in the system to be tested this week. At this time last year, over 4500 *Cs. melanura* had been tested. This year, the number of mosquitoes tested to date is less than 30% of the number tested at this time last year, reflecting the low number of *Cs. melanura* seen at these sites.

One hundred seventy-nine additional pools containing 1,700 *Cs. melanura* have tested negative from other county trapping sites. The table below indicates non-*melanura* mosquitoes tested for EEE:

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	799 (27)	0	
Cape May	CO2, Gravid, RB	212 (47)	0	
Cumberland	CO2, Gravid, RB	169 (20)	0	
Gloucester	RB	460 (63)	0	
Ocean	CO2, Gravid, RB	43 (20)	0	
Salem	BA	3 (1)	0	
Sussex	CO2	14 (1)	0	
TOTAL		1700 (179)	0	

Species other than <i>Cs. melanura</i>	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	12	79		
<i>Aedes atlanticus</i>	1	1		
<i>Aedes atropalpus</i>	3	4		
<i>Aedes canadensis canadensis</i>	11	425		
<i>Aedes cantator</i>	26	196		
<i>Aedes grossbecki</i>	1	3		
<i>Aedes japonicus</i>	16	62		
<i>Aedes sollicitans</i>	26	196		
<i>Aedes sticticus</i>	1	3		
<i>Aedes taeniorhynchus</i>	18	357		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	7	17		
<i>Aedes vexans</i>	9	307		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles bradleyi</i>	35	517		
<i>Anopheles punctipennis</i>	23	259		
<i>Anopheles quadrimaculatus</i>	19	213		
<i>Coquillettia perturbans</i>	69	1279		
<i>Culex erraticus</i>	85	3648		
<i>Culex pipiens</i>	296	2398		
<i>Culex restuans</i>	18	22		
<i>Culex salinarius</i>	110	908		
<i>Culex</i> spp.	214	7327		
<i>Psorophora columbiae</i>	1	2		
<i>Psorophora ferox</i>	1	7		
<i>Psorophora howardii</i>	2	5		
<i>Uranotaenia sapphirina</i>	1	75		
State Total	1007	18,312		

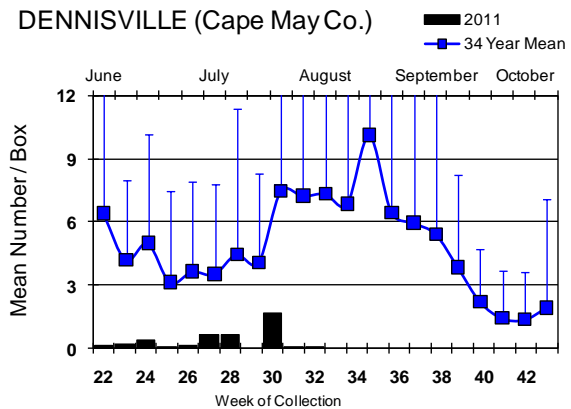
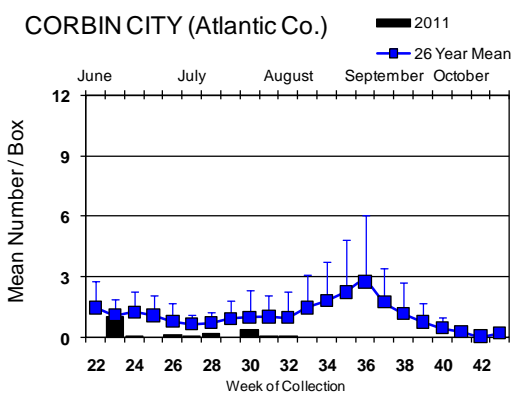
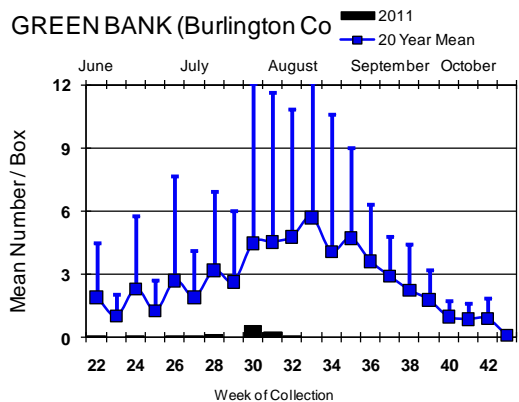
An addition 26 species of mosquitoes have also been tested with no detection of EEE.

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

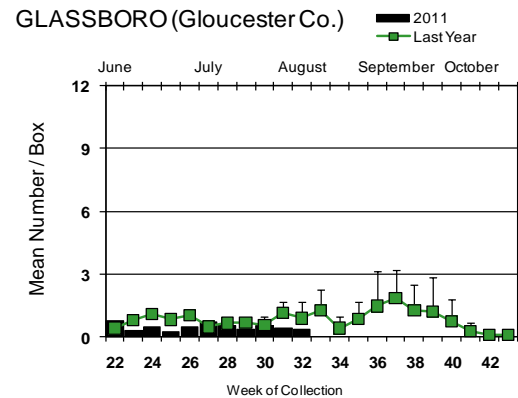
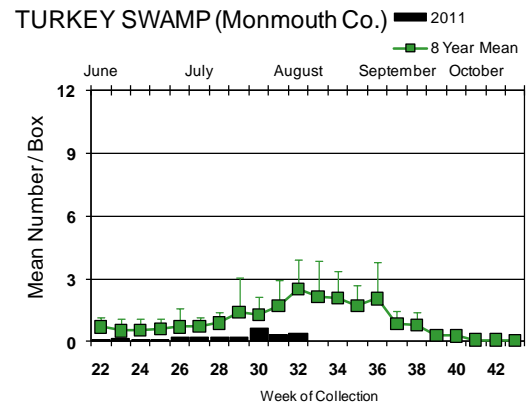
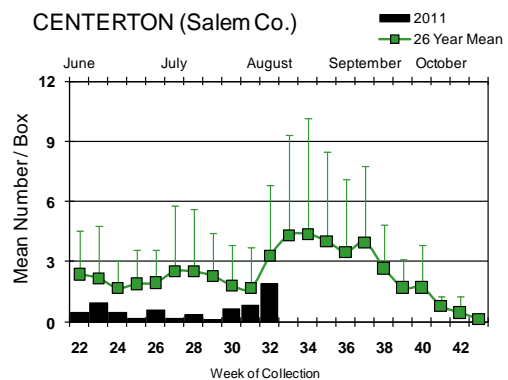
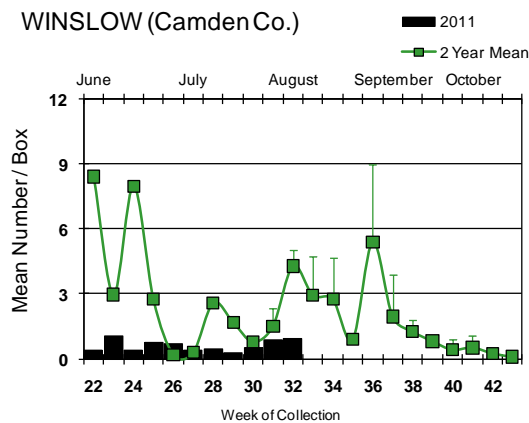
Horses and Vaccinations: The fate of unvaccinated equids reinforces the necessity of maintaining a vaccination schedule for arboviruses. For vaccination schedules recommended by the American Association of Equine Practices, see: http://www.aaep.org/vaccination_guidelines.htm

Culiseta melanura Population Graphs

Coastal



Inland



At the seven traditional resting box sites, Winslow and Centerton both continued to show increases in the abundances of *Culiseta melanura*, although both sites, as well as the rest of the sites continue to be below historical trends. Although EEE has not been detected yet in New Jersey, there has been activity, including a fatal human case, in other states. Despite low numbers, EEE positive pools have been detected in the past.

= 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) 1(LA) 1(NY)
- mosquito pools: 1(LA) 14(MA) 2(NY) 1(NC)
- sentinel: 13 chickens/19 wild bird (FL) 2(NC)
- human: 1(NY)

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	71	9	0	4
Arkansas					
California	117/151	392/609	34/47	1	8/10
Colorado		2/4			1
Connecticut		31/39			0
Delaware	2				
DC	2	23			
Florida	1 flavi		54		8
Georgia	0	108/197		1	1
Hawaii					
Idaho					
Illinois	4	74/134	0	0	0
Indiana	0	25/30		0	0
Iowa		1	4/8	0	0
Kansas					
Kentucky					
Louisiana		146	1		2
Maine		0		0	0
Maryland		3			
Mass.		97/107		0	0
Michigan	0	0	0	0	0
Minnesota	1				
Mississippi		14/19		0	13/15
Missouri		50/56		0	0

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Montana				0	0
Nebraska	1	6/11		0	1
Nevada					0
New Hampshire		1		0	0
New Jersey	8/11	141/186		0	1
New Mexico					0
New York		103		0	0
North Carolina					
North Dakota	0	0		3*	1/2
Ohio		52		0	0
Oklahoma					
Oregon	0	0	0	0	0
Pennsylvania	4/6	404/574		1*	0
Rhode Island		0		0	0
South Carolina	0	1		0	0
South Dakota		0		0	1
Tennessee	0	274/373		0	0
Texas	1	171/183		1	4
Utah		9	0	0	0
Vermont	0	1		0	0
Virginia		47	0	0	1
Washington	0	0		0	0
West Virginia	0	0		0	0
Wisconsin	0	0		0	0
Wyoming		6		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 10 August 2011

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	350	1722	3	1.742
<i>Aedes atlanticus</i>	2	7		
<i>Aedes atropalpus</i>	3	4		
<i>Aedes aurifer</i>	1	2		
<i>Aedes canadensis canadensis</i>	61	939		
<i>Aedes cantator</i>	43	230		
<i>Aedes cinereus</i>	3	5		
<i>Aedes grossbecki</i>	3	8		
<i>Aedes japonicus</i>	298	1896		
<i>Aedes sollicitans</i>	37	261		
<i>Aedes sticticus</i>	2	24		
<i>Aedes stimulans</i>	5	47		
<i>Aedes taeniorhynchus</i>	39	694		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	179	440		
<i>Aedes trivittatus</i>	12	158		
<i>Aedes vexans</i>	94	754		
<i>Anopheles barberi</i>	5	5		
<i>Anopheles bradleyi</i>	39	531		
<i>Anopheles punctipennis</i>	59	332		
<i>Anopheles quadrimaculatus</i>	77	501		
<i>Anopheles walkeri</i>	1	7		
<i>Coquillettidia perturbans</i>	97	1488		
<i>Culex erraticus</i>	94	3797		
<i>Culex pipiens</i>	540	10257	38	3.705
<i>Culex restuans</i>	397	2435	2	0.821
<i>Culex salinarius</i>	115	937		
<i>Culex spp.</i>	1714	71172	141	1.981
<i>Culiseta inornata</i>	2	3		
<i>Culiseta melanura</i>	274	3042	2	0.657
<i>Orthopodomyia signifera</i>	1	1		
<i>Psorophora ciliata</i>	1	1		
<i>Psorophora columbiae</i>	6	61		
<i>Psorophora ferox</i>	17	113		
<i>Psorophora howardii</i>	2	5		
<i>Uranotaenia sapphirina</i>	4	107		
State Total	4,578	101,987	186	1.824

Remarks: To date, there have been 101,987 mosquitoes tested in 4,578 pools from 35 species. Currently, 186 positive pools have been detected last week in *Culex pipiens*, *Cx. restuans*, Mixed *Culex*, *Culiseta melanura*, and *Aedes albopictus*. All counties but Atlantic, Cumberland and Salem have found positive mosquitoes, primarily in the ornithophilic species. Dates positive samples were collected were between 28 June and 10 August.

Humans, Horses and Wild Birds: There is one positive human case reported by the Department of Health and Senior Services: http://www.state.nj.us/cgi-bin/dhss/njnewsline/view_article.pl?id=3759.

No positive horse cases have been reported.

Bird testing began in mid-April. WNV has been detected in eleven birds from the 56 birds that have been tested. Species include American Crow *Corvus brachyrhynchos* (3/4), Blue Jays *Cyanocitta cristata* (6), Fish Crows *Corvus ossifragus* (3/15) unknown *Corvus* (3/5), Hawk (1) and Other (non-corvid) species (2/25). Positive birds were from Gloucester, Morris, Ocean, and Warren counties. Counties submitting birds are Atlantic, Burlington, Cape May, Cumberland, Gloucester, Monmouth, Morris, Ocean and Warren.

2011 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
186 / 4,578 (0.040)	403 / 3,085 (0.131)
2011 Positive Birds to date / Total Birds Submitted	This time last year
11 / 56 (0.196)	55 / 126 (0.437)

WNV Results by County through 10 August 2011

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		111	3456		
	<i>Aedes albopictus</i>	8	114		
	<i>Aedes canadensis canadensis</i>	2	9		
	<i>Aedes cantator</i>	3	20		
	<i>Aedes japonicus</i>	3	15		
	<i>Aedes sollicitans</i>	3	34		
	<i>Aedes taeniorhynchus</i>	3	70		
	<i>Aedes thibaulti</i>	1	1		
	<i>Aedes triseriatus</i>	3	10		
	<i>Aedes vexans</i>	8	59		
	<i>Anopheles bradleyi</i>	1	5		
	<i>Anopheles punctipennis</i>	1	1		
	<i>Anopheles quadrimaculatus</i>	4	57		
	<i>Coquillettidia perturbans</i>	1	25		
	<i>Culex restuans</i>	1	1		
	<i>Culex</i> spp.	60	2955		
	<i>Culiseta melanura</i>	8	69		
	<i>Psorophora ferox</i>	1	11		
Bergen		75	5413	41	7.574
	<i>Aedes albopictus</i>	2	7		
	<i>Aedes japonicus</i>	1	6		
	<i>Culex</i> spp.	72	5400	41	7.593
Burlington		282	10306	12	1.164
	<i>Aedes albopictus</i>	7	74		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes atropalpus</i>	3	4		
	<i>Aedes canadensis canadensis</i>	9	419		
	<i>Aedes cantator</i>	2	63		
	<i>Aedes grossbecki</i>	1	3		
	<i>Aedes japonicus</i>	9	50		
	<i>Aedes sollicitans</i>	7	129		
	<i>Aedes sticticus</i>	1	3		
	<i>Aedes taeniorhynchus</i>	7	48		

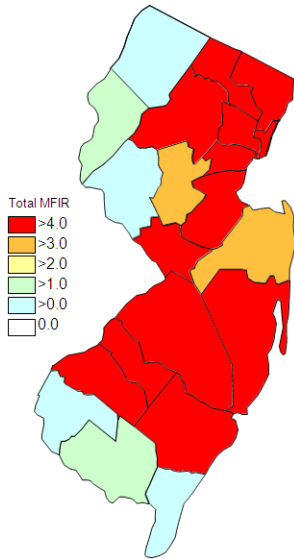
<i>Aedes triseriatus</i>	6	15		
<i>Aedes vexans</i>	8	306		
<i>Anopheles bradleyi</i>	1	73		
<i>Anopheles punctipennis</i>	2	13		
<i>Coquillettidia perturbans</i>	25	749		
<i>Culex erraticus</i>	4	159		
<i>Culex pipiens</i>	5	75	1	13.333
<i>Culex salinarius</i>	15	195		
<i>Culex spp.</i>	130	7011	10	1.426
<i>Culiseta melanura</i>	34	827	1	1.209
<i>Psorophora columbiae</i>	1	2		
<i>Psorophora ferox</i>	1	7		
<i>Psorophora howardii</i>	2	5		
<i>Uranotaenia sapphirina</i>	1	75		
Camden	125	2931	9	3.071
<i>Aedes albopictus</i>	22	75		
<i>Aedes japonicus</i>	16	42		
<i>Aedes triseriatus</i>	3	7		
<i>Aedes vexans</i>	1	1		
<i>Anopheles punctipennis</i>	2	2		
<i>Anopheles quadrimaculatus</i>	1	2		
<i>Culex spp.</i>	68	2459	9	3.660
<i>Culiseta melanura</i>	12	343		
Cape May	1453	12876	1	0.078
<i>Aedes albopictus</i>	110	193		
<i>Aedes canadensis canadensis</i>	21	363		
<i>Aedes cantator</i>	23	109		
<i>Aedes japonicus</i>	69	137		
<i>Aedes sollicitans</i>	19	67		
<i>Aedes taeniorhynchus</i>	23	466		
<i>Aedes triseriatus</i>	56	87		
<i>Aedes vexans</i>	14	26		
<i>Anopheles bradleyi</i>	33	446		
<i>Anopheles punctipennis</i>	6	8		
<i>Anopheles quadrimaculatus</i>	43	219		
<i>Coquillettidia perturbans</i>	23	321		
<i>Culex erraticus</i>	77	3466		
<i>Culex pipiens</i>	338	3348		
<i>Culex restuans</i>	355	2125	1	0.471
<i>Culex salinarius</i>	94	711		
<i>Culex spp.</i>	91	381		
<i>Culiseta melanura</i>	57	402		
<i>Orthopodomyia signifera</i>	1	1		
Cumberland	87	906		
<i>Aedes albopictus</i>	7	14		
<i>Aedes atlanticus</i>	1	6		
<i>Aedes canadensis canadensis</i>	3	7		
<i>Aedes japonicus</i>	3	10		
<i>Aedes triseriatus</i>	10	20		
<i>Aedes vexans</i>	4	32		
<i>Anopheles punctipennis</i>	1	2		
<i>Coquillettidia perturbans</i>	10	139		
<i>Culex erraticus</i>	3	4		

	<i>Culex pipiens</i>	2	9		
	<i>Culex restuans</i>	2	5		
	<i>Culex</i> spp.	20	470		
	<i>Culiseta melanura</i>	20	169		
	<i>Psorophora ferox</i>	1	19		
Essex		316	6550	9	1.374
	<i>Aedes albopictus</i>	34	106	1	9.434
	<i>Aedes canadensis canadensis</i>	2	8		
	<i>Aedes grossbecki</i>	2	5		
	<i>Aedes japonicus</i>	44	587		
	<i>Aedes sticticus</i>	1	21		
	<i>Aedes stimulans</i>	4	46		
	<i>Aedes triseriatus</i>	30	85		
	<i>Aedes vexans</i>	23	106		
	<i>Anopheles punctipennis</i>	1	1		
	<i>Culex</i> spp.	172	5567	8	1.437
	<i>Psorophora ferox</i>	3	18		
Gloucester		278	6825	23	3.370
	<i>Aedes albopictus</i>	15	203	1	4.926
	<i>Aedes japonicus</i>	13	114		
	<i>Aedes triseriatus</i>	3	8		
	<i>Anopheles punctipennis</i>	11	230		
	<i>Anopheles quadrimaculatus</i>	11	193		
	<i>Coquillettidia perturbans</i>	2	6		
	<i>Culex pipiens</i>	149	5366	22	4.100
	<i>Culiseta melanura</i>	74	705		
Hudson		90	6069	7	1.153
	<i>Culex</i> spp.	90	6069	7	1.153
Hunterdon		110	5500	5	0.909
	<i>Culex</i> spp.	110	5500	5	0.909
Mercer		113	1895	16	8.443
	<i>Aedes albopictus</i>	28	125		
	<i>Aedes japonicus</i>	22	81		
	<i>Aedes triseriatus</i>	5	12		
	<i>Aedes vexans</i>	1	2		
	<i>Culex erraticus</i>	2	6		
	<i>Culex pipiens</i>	40	1408	15	10.653
	<i>Culex restuans</i>	13	259	1	3.861
	<i>Culex salinarius</i>	1	1		
	<i>Psorophora ferox</i>	1	1		
Middlesex		132	5173	22	4.253
	<i>Aedes albopictus</i>	4	28		
	<i>Aedes japonicus</i>	17	214		
	<i>Aedes triseriatus</i>	1	5		
	<i>Culex</i> spp.	110	4926	22	4.466
Monmouth		261	2526	5	1.979
	<i>Aedes albopictus</i>	25	55		
	<i>Aedes canadensis canadensis</i>	13	99		

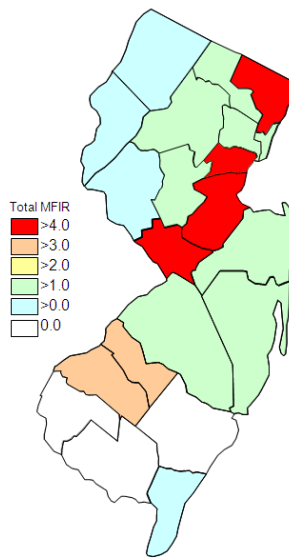
<i>Aedes cantator</i>	7	28		
<i>Aedes japonicus</i>	31	108		
<i>Aedes sollicitans</i>	4	10		
<i>Aedes taeniorhynchus</i>	5	109		
<i>Aedes triseriatus</i>	19	63		
<i>Aedes trivittatus</i>	3	4		
<i>Aedes vexans</i>	7	15		
<i>Anopheles barberi</i>	4	4		
<i>Anopheles punctipennis</i>	12	22		
<i>Anopheles quadrimaculatus</i>	2	3		
<i>Coquillettidia perturbans</i>	6	29		
<i>Culex pipiens</i>	2	3		
<i>Culex restuans</i>	4	4		
<i>Culex salinarius</i>	1	16		
<i>Culex</i> spp.	80	1781	5	2.807
<i>Culiseta melanura</i>	30	121		
<i>Psorophora ciliata</i>	1	1		
<i>Psorophora columbiae</i>	1	6		
<i>Psorophora ferox</i>	4	45		
Morris	110	4700	7	1.489
<i>Aedes albopictus</i>	1	4		
<i>Aedes japonicus</i>	4	105		
<i>Coquillettidia perturbans</i>	2	65		
<i>Culex</i> spp.	103	4526	7	1.547
Ocean	238	2057	4	1.945
<i>Aedes albopictus</i>	48	504		
<i>Aedes canadensis canadensis</i>	5	5		
<i>Aedes cantator</i>	7	8		
<i>Aedes japonicus</i>	22	60		
<i>Aedes sollicitans</i>	2	17		
<i>Aedes taeniorhynchus</i>	1	1		
<i>Aedes triseriatus</i>	14	26		
<i>Aedes trivittatus</i>	2	2		
<i>Aedes vexans</i>	12	58		
<i>Anopheles bradleyi</i>	3	6		
<i>Anopheles punctipennis</i>	8	8		
<i>Anopheles quadrimaculatus</i>	3	4		
<i>Coquillettidia perturbans</i>	13	93		
<i>Culex erraticus</i>	1	1		
<i>Culex restuans</i>	10	12		
<i>Culex salinarius</i>	4	14		
<i>Culex</i> spp.	58	1187	3	2.527
<i>Culiseta melanura</i>	20	43	1	23.256
<i>Psorophora ferox</i>	5	8		
Passaic	83	1759	3	1.706
<i>Aedes albopictus</i>	5	24		
<i>Aedes canadensis canadensis</i>	3	10		
<i>Aedes japonicus</i>	13	152		
<i>Aedes triseriatus</i>	7	28		
<i>Aedes trivittatus</i>	3	28		
<i>Anopheles punctipennis</i>	1	1		
<i>Coquillettidia perturbans</i>	1	3		
<i>Culex</i> spp.	50	1513	3	1.983

Salem	169	1900		
<i>Aedes albopictus</i>	10	15		
<i>Aedes aurifer</i>	1	2		
<i>Aedes canadensis canadensis</i>	3	19		
<i>Aedes cantator</i>	1	2		
<i>Aedes japonicus</i>	17	42		
<i>Aedes sollicitans</i>	2	4		
<i>Aedes triseriatus</i>	16	36		
<i>Aedes vexans</i>	13	107		
<i>Anopheles bradleyi</i>	1	1		
<i>Anopheles punctipennis</i>	8	11		
<i>Anopheles quadrimaculatus</i>	11	47		
<i>Coquillettidia perturbans</i>	8	22		
<i>Culex erraticus</i>	6	136		
<i>Culex pipiens</i>	3	5		
<i>Culex restuans</i>	7	17		
<i>Culex spp.</i>	44	1047		
<i>Culiseta inornata</i>	1	2		
<i>Culiseta melanura</i>	13	332		
<i>Psorophora columbiae</i>	4	53		
Somerset	106	1564	3	1.918
<i>Aedes albopictus</i>	7	31		
<i>Aedes japonicus</i>	9	108		
<i>Aedes triseriatus</i>	5	29		
<i>Anopheles punctipennis</i>	1	6		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex spp.</i>	83	1389	3	2.160
Sussex	117	4358	2	0.459
<i>Aedes japonicus</i>	1	42		
<i>Culex pipiens</i>	1	43		
<i>Culex restuans</i>	5	12		
<i>Culex spp.</i>	105	4231	2	0.473
<i>Culiseta melanura</i>	5	30		
Union	68	2102	9	4.282
<i>Aedes albopictus</i>	17	150	1	6.667
<i>Aedes japonicus</i>	3	14		
<i>Culex spp.</i>	48	1938	8	4.128
Warren	254	13121	8	0.610
<i>Aedes cinereus</i>	3	5		
<i>Aedes japonicus</i>	1	9		
<i>Aedes stimulans</i>	1	1		
<i>Aedes triseriatus</i>	1	9		
<i>Aedes trivittatus</i>	4	124		
<i>Aedes vexans</i>	3	42		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	5	27		
<i>Anopheles quadrimaculatus</i>	6	33		
<i>Anopheles walkeri</i>	1	7		
<i>Coquillettidia perturbans</i>	2	3		
<i>Culex spp.</i>	220	12822	8	0.624

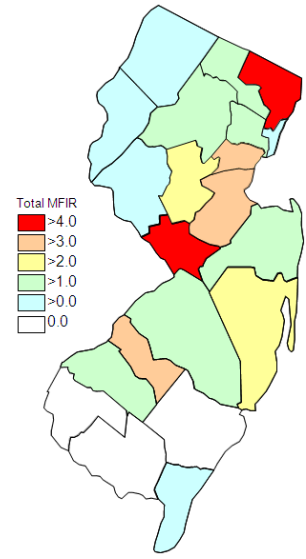
<i>Culiseta inornata</i>	1	1		
<i>Culiseta melanura</i>	1	1		
<i>Psorophora ferox</i>	1	4		
<i>Uranotaenia sapphirina</i>	3	32		
Grand Total	4,578	101,987	186	1.824



Cumulative WNV activity in 2010.



WNV activity to 10 August 2011.



WNV activity last week, 2011.

Saint Louis Encephalitis (SLE) through 10 August 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		273	10276		
	<i>Aedes albopictus</i>	7	74		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes atropalpus</i>	3	4		
	<i>Aedes canadensis canadensis</i>	9	419		
	<i>Aedes cantator</i>	2	63		
	<i>Aedes grossbecki</i>	1	3		
	<i>Aedes japonicus</i>	9	50		
	<i>Aedes sollicitans</i>	7	129		
	<i>Aedes sticticus</i>	1	3		
	<i>Aedes taeniorhynchus</i>	7	48		
	<i>Aedes triseriatus</i>	6	15		
	<i>Aedes vexans</i>	8	306		
	<i>Anopheles bradleyi</i>	1	73		
	<i>Anopheles punctipennis</i>	2	13		
	<i>Coquillettidia perturbans</i>	25	749		
	<i>Culex erraticus</i>	4	159		
	<i>Culex pipiens</i>	5	75		
	<i>Culex salinarius</i>	14	194		
	<i>Culex</i> spp.	129	7010		
	<i>Culiseta melanura</i>	27	799		
	<i>Psorophora columbiae</i>	1	2		
	<i>Psorophora ferox</i>	1	7		
	<i>Psorophora howardii</i>	2	5		
	<i>Uranotaenia sapphirina</i>	1	75		
Camden		113	2588		
	<i>Aedes albopictus</i>	22	75		
	<i>Aedes japonicus</i>	16	42		
	<i>Aedes triseriatus</i>	3	7		
	<i>Aedes vexans</i>	1	1		
	<i>Anopheles punctipennis</i>	2	2		
	<i>Anopheles quadrimaculatus</i>	1	2		
	<i>Culex</i> spp.	68	2459		
Essex		316	6550		
	<i>Aedes albopictus</i>	34	106		
	<i>Aedes canadensis canadensis</i>	2	8		
	<i>Aedes grossbecki</i>	2	5		
	<i>Aedes japonicus</i>	44	587		
	<i>Aedes sticticus</i>	1	21		
	<i>Aedes stimulans</i>	4	46		

	<i>Aedes triseriatus</i>	30	85		
	<i>Aedes vexans</i>	23	106		
	<i>Anopheles punctipennis</i>	1	1		
	<i>Culex</i> spp.	172	5567		
	<i>Psorophora ferox</i>	3	18		
Hudson		90	6069		
	<i>Culex</i> spp.	90	6069		
Grand Total		792	25,483		

La Crosse Encephalitis (LAC) through 10 August 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		56	87		
	<i>Aedes japonicus</i>	1	1		
	<i>Aedes triseriatus</i>	55	86		
Cumberland		12	24		
	<i>Aedes triseriatus</i>	12	24		
Salem		7	16		
	<i>Aedes triseriatus</i>	7	16		
Grand Total		76	136		