

VECTOR SURVEILLANCE IN NEW JERSEY
EEE, WNV, SLE and LAC
CDC WEEK 34: August 22 to August 28, 2010
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Mosquito Control Commission.

Culiseta melanura and Eastern Equine Encephalitis

SITE	Inland / Coastal	Historic Mean	Current Weekly Mean	Total Tested to Date*	Total Pools Submitted	EEE Isolations	MFIR
Green Bank (Burlington County)	Coastal	4.24	1.08	159	13	0	0
Corbin City (Atlantic County)	Coastal	1.89	0.32	297	14	0	0
Dennisville (Cape May County)	Coastal	10.41	0.68	673	22	2	2.97
Winslow (Camden County)	Inland	4.10	1.38	1863	42	3	1.61
Centerton (Salem County)	Inland	4.45	1.94	1458	34	2	1.37
Turkey Swamp (Monmouth County)	Inland	2.27	0.82	626 [†]	48	0	0
Glassboro (Gloucester County)	Inland	0	0.80	404	13	0	0

*Including trial run last week in May. † adjusted

Remarks: There are **15 positive EEE pools** to report at this time. Thirteen positive pools are from *Cs. melanura*, from both traditional resting box monitoring sites and county-run traps. No changes in positive pools at the traditional resting box sites (above). To date, 5431 *Culiseta melanura*

Additional <i>Cs. melanura</i> trapped by counties				
*traps with positives indicated in BOLD .				
County	Trap types*	Number collected	Number of positives	MFIR
Atlantic	CO ₂	17		
Burlington	CO₂	2148	2	0.931
Camden	Gravid	2		
Cape May	CO ₂ , Gravid, RB	1696	1	0.590
Cumberland	RB	342	1	2.924
Gloucester	RB	1100	2	1.818
Ocean	CO ₂ , Gravid, RB	174		
Salem	CO ₂	1		
Sussex	CO ₂ , NJLT	32		
TOTAL		5512	6	0.907

mosquitoes forming 184 pools from the resting box sites have been tested. An additional 5512 *Cs. melanura* forming 317 pools have been sampled by the counties using a variety of traps (table to the left), producing six positive pools (two additional from last week). The remaining two pools are from *Culex erraticus*, the last collected on the 17th of August from Cape May County (table next page).

The table below indicates non-melanura species tested for EEE:

Species other than <i>Cs. melanura</i>	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	16	150		
<i>Aedes canadensis canadensis</i>	5	107		
<i>Aedes japonicus</i>	4	21		
<i>Aedes sollicitans</i>	6	166		
<i>Aedes taeniorhynchus</i>	3	10		
<i>Aedes triseriatus</i>	18	57		
<i>Aedes trivittatus</i>	1	2		
<i>Aedes vexans</i>	8	185		
<i>Anopheles bradleyi</i>	15	146		
<i>Anopheles crucians</i>	2	122		
<i>Anopheles punctipennis</i>	2	14		
<i>Anopheles quadrimaculatus</i>	9	120		
<i>Coquillettidia perturbans</i>	45	885		
<i>Culex erraticus</i>	65	2503	2	0.799
<i>Culex pipiens</i>	226	1868		
<i>Culex restuans</i>	7	17		
<i>Culex salinarius</i>	32	326		
<i>Culex</i> spp.	150	3630		
<i>Culex territans</i>	1	1		
<i>Culiseta minnesotae</i>	1	1		
<i>Psorophora columbiae</i>	1	5		
<i>Uranotaenia sapphirina</i>	1	6		
State Total	18	10342	2	0.193

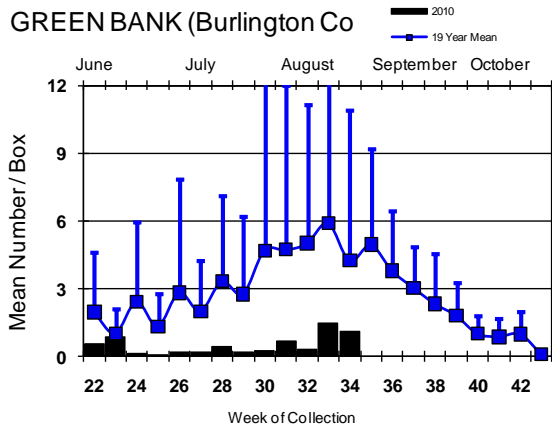
Horses and Humans: There are no positive horse or human cases to date.

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

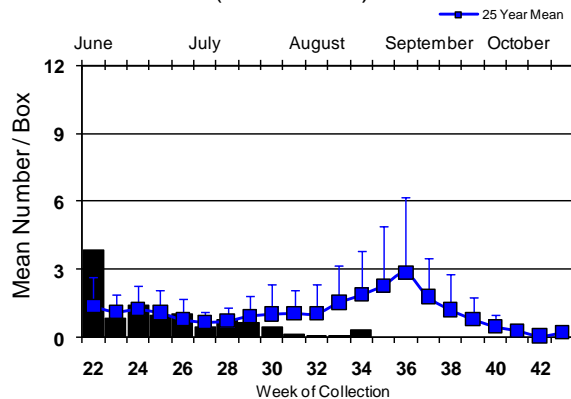
Culiseta melanura Population Graphs

Coastal

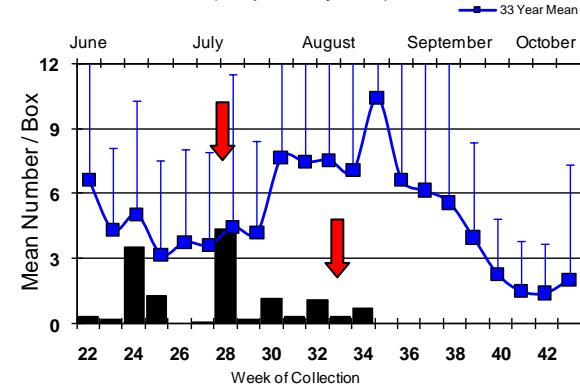
GREEN BANK (Burlington Co)



CORBIN CITY (Atlantic Co.)

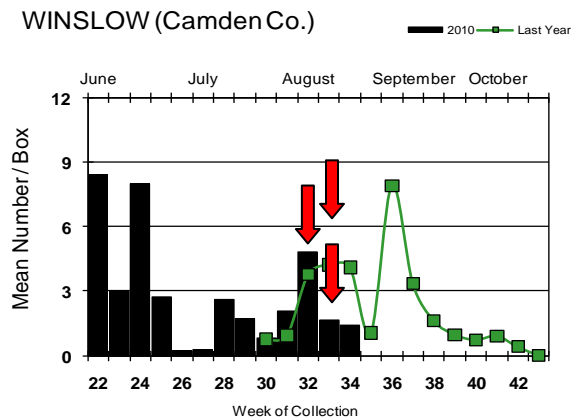


DENNISVILLE (Cape May Co.)

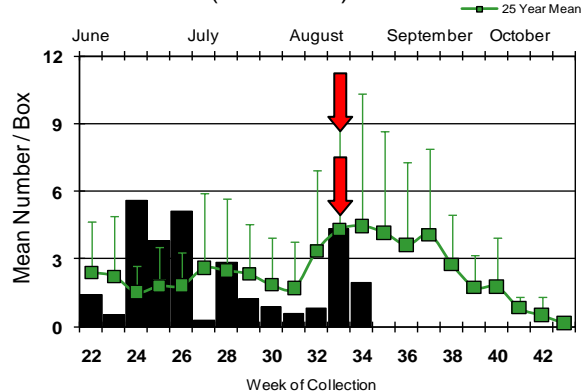


Inland

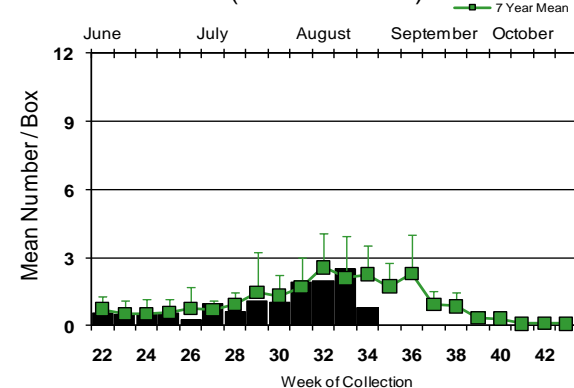
WINSLOW (Camden Co.)



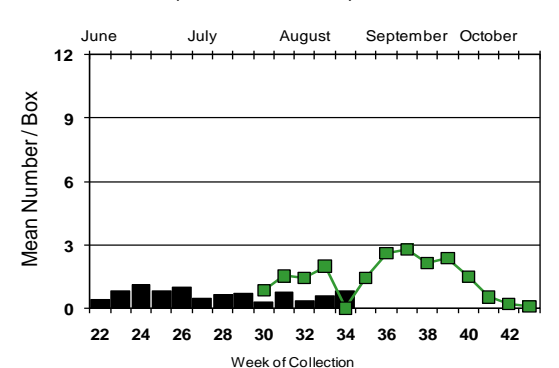
CENTERTON (Salem Co.)



TURKEY SWAMP (Monmouth Co.)



GLASSBORO (Gloucester Co.)



Cs. melanura populations increased at Corbin City, Dennisville and Glassboro. Populations decreased at Green bank, Winslow, Centerton and Turkey Swamp. Only the Glassboro population was greater than the previous year's average (of zero). Apart from the Turkey Swamp site, resting box population values tend to be lower (from historical values) than the light trap data of the adult mosquito surveillance program, an unusual phenomenon.

↓ = Positive pool(s) detected.

EEE in US (2010 cumulative cases): (Black or Red = previous + new reported cases occurring)

- equine: 6(AL) 81(FL) 5(GA) 9(LA) 4(MA) 22 (MS) 26(MI) 1(NC) 1(NH) 1(VA)
- mosquito: 3(FL) 2(IN) 15(NJ) 26(NY) 53(MA) 7(VA)
- sentinel: 2(AL) 129/30(FL chickens/wild) 1 turkey(ME) 19(TX) 2(VA)
- human: 1(TX-out of country acquired case) 4(FL) 1(MA>RI) 1(MA) 3(MI)

West Nile Virus

West Nile in US (2010 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					2
Alaska					
Arizona		233	9	1	62
Arkansas					
California	231/260	784	78	4/8	22/27
Colorado		22/34			10/16
Connecticut		87/113			2
Delaware			2		
DC					
Florida	1Flavi		81	6	1
Georgia	0	12		0	4
Hawaii					
Idaho				1	
Illinois	35/36	576/932			
Indiana	0	111/174		0	0
Iowa		0	1/2	1	1
Kansas		3			2
Kentucky				1	
Louisiana		172/317	0	3	7/12
Maine					
Maryland		1			2/3
Mass.		50/60		0	1
Michigan	1	1			2/3
Minnesota					1
Mississippi		2		1/2	3/4
Missouri		49/51			1

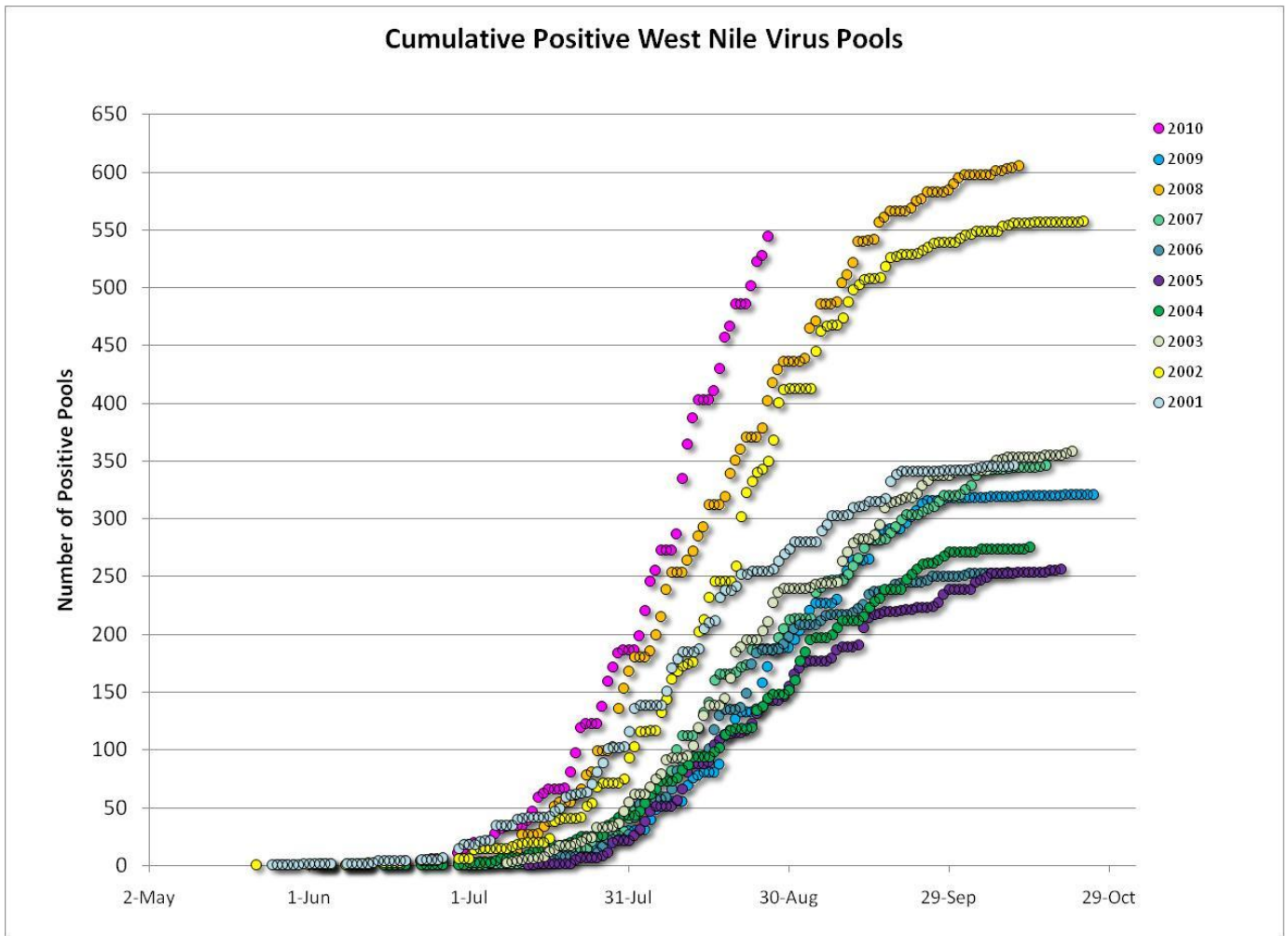
	Birds	Mosquito Pools	Sentinels	Horses	Humans
Montana					
Nebraska	1	37/59		0	12
Nevada		6		2	
New Hampshire		0		0	0
New Jersey	68/84	443/549	0	1	1
New Mexico					2
New York	0	394/526		0	9/19
North Carolina			1		
North Dakota				1/2	4
Ohio		98		0	0
Oklahoma		3			
Oregon	0	1	0	0	0
Pennsylvania	5/6	455/622		2	1
Rhode Island					
South Carolina		1			
South Dakota					5/9
Tennessee	0	66/100		0	0
Texas	1	93/104		0	3
Utah		8/10			
Vermont	1	3		0	0
Virginia		84/89	7/8		
Washington	0	84/102		0	0
West Virginia	0	26		0	0
Wisconsin	0			0	0
Wyoming		13			1

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 30 Aug 2010

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	363	2423	7	2.889
<i>Aedes canadensis canadensis</i>	26	475		
<i>Aedes cantator</i>	7	21		
<i>Aedes japonicus</i>	271	1376		
<i>Aedes sollicitans</i>	8	176		
<i>Aedes sticticus</i>	1	1		
<i>Aedes stimulans</i>	3	8		
<i>Aedes taeniorhynchus</i>	5	41		
<i>Aedes triseriatus</i>	126	306		
<i>Aedes trivittatus</i>	8	40		
<i>Aedes vexans</i>	63	566		
<i>Anopheles barberi</i>	2	2		
<i>Anopheles bradleyi</i>	20	157		
<i>Anopheles crucians</i>	2	122		
<i>Anopheles punctipennis</i>	29	280		
<i>Anopheles quadrimaculatus</i>	51	510		
<i>Anopheles walkeri</i>	3	4		
<i>Coquillettidia perturbans</i>	92	1608		
<i>Culex erraticus</i>	73	2525		
<i>Culex pipiens</i>	643	15320	134	8.747
<i>Culex restuans</i>	160	1042	4	3.839
<i>Culex salinarius</i>	54	688	1	1.453
<i>Culex spp.</i>	1984	73566	396	5.383
<i>Culex territans</i>	1	1		
<i>Culiseta inornata</i>	1	1		
<i>Culiseta melanura</i>	443	9489	7	0.738
<i>Culiseta minnesotae</i>	1	1		
<i>Orthopodomyia signifera</i>	1	1		
<i>Psorophora ciliata</i>	1	1		
<i>Psorophora columbiae</i>	1	5		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	1	1		
<i>Uranotaenia sapphirina</i>	1	6		
State Total	4446	110764	549	4.956

Remarks: The number of positive WNV mosquito pools to date is 549. Positive pools continue to be primarily from the ornithophilic *Culex* species. Counties throughout New Jersey are showing considerable WNV activity, with the exception of Cumberland and Salem counties (extreme southwestern portion of the state). Positive *Ae. albopictus* pools remained at 7. The cumulative positive pools for this year continue to pace ahead of previous years (graph below).



Humans, Horses and Wild Birds: One human was found positive for WNV from Ocean County, with onset date of 10 August. Two others are currently presumptive, but will be reported if they confirm to be positive for WNV. For more details plus information about WNV, see the West Nile Virus Alert and FAQ Sheets from the NJ Department of Health and Senior Services, Communicable Disease Service, Infectious and Zoonotic Disease Program: <http://www.state.nj.us/health/cd/westnile/enceph.htm>

One horse was found positive for WNV in Atlantic County with onset date of 17 August. This 2 year old mare was unvaccinated and euthanized the same day. Travel history is unknown.

Eighty-four dead, wild birds out of 170 tested are been positive for WNV, well ahead of last year's results in terms of number and timing. This year's positive birds include 60 corvids (12 positives/18 tested American Crows, 31/43 Fish Crows, 26/40 Blue Jays and 6/13 unidentified Crows), 1/5 Hawks (unknown species) and 8/53 unknown species.

2010 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
549/ 4446 (0.123%)	182/ 5591 (0.033%)
2010 Positive Birds to date / Total Birds Submitted	This time last year
84/ 170 (0.49%)	8/ 67 (0.12%)

WNV Results by County through 30 Aug 2010

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		173	4070	32	7.862
	<i>Aedes albopictus</i>	21	166	1	6.024
	<i>Aedes canadensis canadensis</i>	3	56		

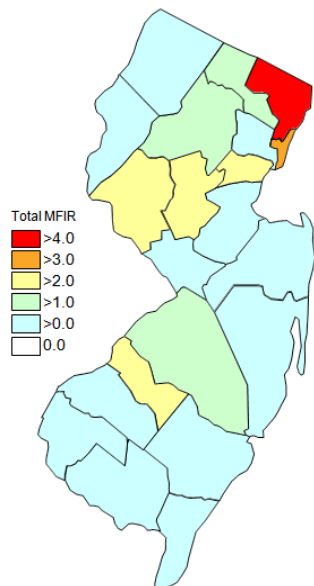
	<i>Aedes cantator</i>	3	14		
	<i>Aedes japonicus</i>	9	19		
	<i>Aedes sollicitans</i>	2	10		
	<i>Aedes taeniorhynchus</i>	1	24		
	<i>Aedes triseriatus</i>	4	8		
	<i>Aedes trivittatus</i>	3	26		
	<i>Aedes vexans</i>	12	127		
	<i>Anopheles bradleyi</i>	3	8		
	<i>Anopheles punctipennis</i>	4	68		
	<i>Anopheles quadrimaculatus</i>	3	4		
	<i>Coquillettidia perturbans</i>	8	30		
	<i>Culex erraticus</i>	1	3		
	<i>Culex</i> spp.	72	3132	30	9.579
	<i>Culiseta melanura</i>	23	374	1	2.674
	<i>Orthopodomyia signifera</i>	1	1		
Bergen		155	10779	78	7.236
	<i>Aedes albopictus</i>	5	30		
	<i>Aedes japonicus</i>	3	14		
	<i>Culex</i> spp.	147	10735	78	7.266
Burlington		194	7039	28	3.978
	<i>Aedes albopictus</i>	15	143		
	<i>Aedes canadensis canadensis</i>	3	105		
	<i>Aedes japonicus</i>	2	15		
	<i>Aedes sollicitans</i>	4	153		
	<i>Aedes taeniorhynchus</i>	2	9		
	<i>Aedes triseriatus</i>	1	7		
	<i>Aedes vexans</i>	7	183		
	<i>Anopheles bradleyi</i>	3	50		
	<i>Anopheles crucians</i>	2	122		
	<i>Anopheles punctipennis</i>	1	13		
	<i>Anopheles quadrimaculatus</i>	1	3		
	<i>Coquillettidia perturbans</i>	9	352		
	<i>Culex erraticus</i>	10	412		
	<i>Culex pipiens</i>	4	98	1	10.204
	<i>Culex salinarius</i>	5	32		
	<i>Culex</i> spp.	68	3024	25	8.267
	<i>Culiseta melanura</i>	55	2307	2	0.867
	<i>Psorophora columbiae</i>	1	5		
	<i>Uranotaenia sapphirina</i>	1	6		
Camden		154	3811	49	12.858
	<i>Aedes albopictus</i>	29	107	2	18.692
	<i>Aedes canadensis canadensis</i>	1	1		
	<i>Aedes japonicus</i>	12	16		
	<i>Aedes triseriatus</i>	2	2		
	<i>Aedes trivittatus</i>	1	1		
	<i>Anopheles punctipennis</i>	3	5		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Culex pipiens</i>	1	28		
	<i>Culex</i> spp.	84	2899	46	15.868
	<i>Culiseta melanura</i>	20	751	1	1.332
Cape May		990	12190	5	0.410
	<i>Aedes albopictus</i>	35	81		

<i>Aedes canadensis canadensis</i>	2	2		
<i>Aedes japonicus</i>	34	61		
<i>Aedes sollicitans</i>	2	13		
<i>Aedes taeniorhynchus</i>	2	8		
<i>Aedes triseriatus</i>	20	44		
<i>Anopheles bradleyi</i>	9	92		
<i>Anopheles quadrimaculatus</i>	20	332		
<i>Coquillettidia perturbans</i>	12	153		
<i>Culex erraticus</i>	55	2100		
<i>Culex pipiens</i>	361	4305	3	0.697
<i>Culex restuans</i>	111	560		
<i>Culex salinarius</i>	30	383	1	2.611
<i>Culex</i> spp.	134	1136		
<i>Culiseta melanura</i>	163	2920	1	0.342
Cumberland	28	396		
<i>Aedes albopictus</i>	2	13		
<i>Aedes triseriatus</i>	2	2		
<i>Anopheles bradleyi</i>	2	3		
<i>Anopheles punctipennis</i>	1	1		
<i>Anopheles quadrimaculatus</i>	4	10		
<i>Culex erraticus</i>	2	2		
<i>Culex pipiens</i>	2	21		
<i>Culex restuans</i>	1	1		
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	11	342		
Essex	178	1860	19	10.215
<i>Aedes albopictus</i>	34	127		
<i>Aedes japonicus</i>	26	266		
<i>Aedes stimulans</i>	1	3		
<i>Aedes triseriatus</i>	17	35		
<i>Aedes vexans</i>	10	28		
<i>Culex</i> spp.	90	1401	19	13.562
Gloucester	264	8939	88	9.845
<i>Aedes albopictus</i>	14	183		
<i>Aedes japonicus</i>	3	20		
<i>Aedes vexans</i>	1	56		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles quadrimaculatus</i>	1	5		
<i>Coquillettidia perturbans</i>	2	3		
<i>Culex pipiens</i>	184	7347	86	11.705
<i>Culiseta melanura</i>	58	1324	2	1.511
Hudson	151	7834	65	8.297
<i>Culex</i> spp.	151	7834	65	8.297
Hunterdon	165	8215	7	0.852
<i>Culex</i> spp.	165	8215	7	0.852
Mercer	176	7280	48	11.215
<i>Aedes albopictus</i>	29	62	1	16.129
<i>Aedes japonicus</i>	20	33		
<i>Aedes triseriatus</i>	4	5		

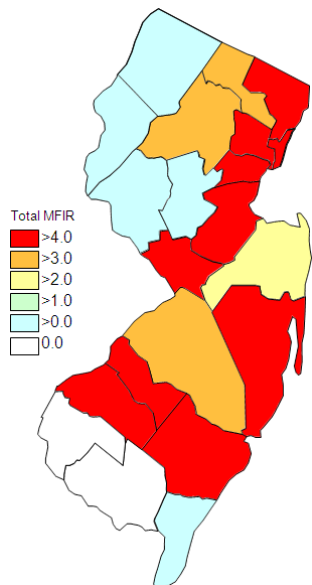
<i>Aedes vexans</i>	3	75		
<i>Culex pipiens</i>	74	3452	44	12.746
<i>Culex restuans</i>	32	368	3	8.152
<i>Culex salinarius</i>	12	264		
<i>Culex spp.</i>	2	21		
Middlesex	202	9300	46	4.946
<i>Aedes albopictus</i>	2	15		
<i>Aedes japonicus</i>	3	21		
<i>Aedes triseriatus</i>	1	6		
<i>Culex spp.</i>	196	9258	46	4.969
Monmouth	241	2039	5	2.452
<i>Aedes albopictus</i>	39	279		
<i>Aedes canadensis canadensis</i>	10	89		
<i>Aedes cantator</i>	3	6		
<i>Aedes japonicus</i>	32	90		
<i>Aedes triseriatus</i>	12	14		
<i>Aedes vexans</i>	2	5		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	1	1		
<i>Anopheles quadrimaculatus</i>	4	4		
<i>Coquillettidia perturbans</i>	5	8		
<i>Culex erraticus</i>	2	4		
<i>Culex pipiens</i>	1	1		
<i>Culex restuans</i>	1	1		
<i>Culex salinarius</i>	2	2		
<i>Culex spp.</i>	73	900	5	5.556
<i>Culiseta melanura</i>	52	633		
<i>Psorophora cyanescens</i>	1	1		
Morris	157	5637	20	3.548
<i>Aedes japonicus</i>	12	134		
<i>Aedes vexans</i>	1	5		
<i>Anopheles punctipennis</i>	2	6		
<i>Anopheles quadrimaculatus</i>	3	82		
<i>Coquillettidia perturbans</i>	6	207		
<i>Culex spp.</i>	133	5203	20	3.844
Ocean	230	3496	15	4.291
<i>Aedes albopictus</i>	55	716	1	1.397
<i>Aedes canadensis canadensis</i>	7	222		
<i>Aedes japonicus</i>	28	89		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	11	26		
<i>Aedes trivittatus</i>	2	2		
<i>Aedes vexans</i>	6	19		
<i>Coquillettidia perturbans</i>	10	99		
<i>Culex erraticus</i>	2	2		
<i>Culex restuans</i>	3	3	1	333.333
<i>Culex salinarius</i>	3	3		
<i>Culex spp.</i>	73	2138	13	6.080
<i>Culiseta inornata</i>	1	1		
<i>Culiseta melanura</i>	27	174		

<i>Psorophora ferox</i>	1	1		
Passaic	107	1412	5	3.541
<i>Aedes albopictus</i>	20	84		
<i>Aedes japonicus</i>	18	157		
<i>Aedes triseriatus</i>	10	21		
<i>Anopheles punctipennis</i>	3	7		
<i>Anopheles quadrimaculatus</i>	1	2		
<i>Coquillettidia perturbans</i>	4	44		
<i>Culex</i> spp.	51	1097	5	4.558
Salem	179	1612		
<i>Aedes albopictus</i>	33	150		
<i>Aedes cantator</i>	1	1		
<i>Aedes japonicus</i>	14	18		
<i>Aedes triseriatus</i>	7	9		
<i>Aedes vexans</i>	20	44		
<i>Anopheles bradleyi</i>	3	4		
<i>Anopheles punctipennis</i>	3	3		
<i>Anopheles quadrimaculatus</i>	10	19		
<i>Anopheles walkeri</i>	3	4		
<i>Coquillettidia perturbans</i>	9	18		
<i>Culex erraticus</i>	1	2		
<i>Culex pipiens</i>	5	11		
<i>Culex restuans</i>	4	6		
<i>Culex</i> spp.	50	691		
<i>Culiseta melanura</i>	16	632		
Somerset	168	1828	1	0.547
<i>Aedes albopictus</i>	13	32		
<i>Aedes japonicus</i>	18	116		
<i>Aedes triseriatus</i>	14	61		
<i>Anopheles punctipennis</i>	8	24		
<i>Anopheles quadrimaculatus</i>	2	4		
<i>Culex</i> spp.	113	1591	1	0.629
Sussex	264	6128	3	0.490
<i>Aedes japonicus</i>	26	217		
<i>Aedes stimulans</i>	2	5		
<i>Aedes triseriatus</i>	16	48		
<i>Coquillettidia perturbans</i>	17	321		
<i>Culex pipiens</i>	11	57		
<i>Culex restuans</i>	8	103		
<i>Culex salinarius</i>	2	4		
<i>Culex</i> spp.	163	5340	3	0.562
<i>Culiseta melanura</i>	18	32		
<i>Culiseta minnesotae</i>	1	1		
Union	136	4856	33	6.796
<i>Aedes albopictus</i>	16	185	2	10.811
<i>Aedes japonicus</i>	10	88		
<i>Coquillettidia perturbans</i>	1	9		
<i>Culex</i> spp.	109	4574	31	6.777

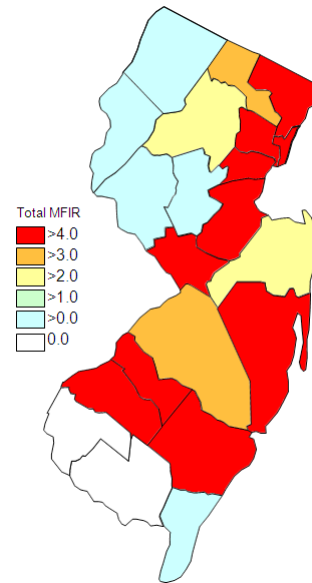
Warren	134	5043	2	0.397
<i>Aedes japonicus</i>	1	2		
<i>Aedes triseriatus</i>	5	18		
<i>Aedes trivittatus</i>	2	11		
<i>Aedes vexans</i>	1	24		
<i>Anopheles punctipennis</i>	3	152		
<i>Anopheles quadrimaculatus</i>	1	44		
<i>Coquillettidia perturbans</i>	9	364		
<i>Culex</i> spp.	111	4427	2	0.452
<i>Psorophora ciliata</i>	1	1		
Grand Total	4446	110764	549	4.956



Cumulative WNV activity in 2009.



WNV activity to 30 Aug, 2010.



WNV activity last week, 2010.

Saint Louis Encephalitis (SLE) through 30 Aug 2010.

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 tested positive to date for 2010.

County	Species	Pools	Mosquitoes	Positives	MFIR
Burlington		181	6880		
	<i>Aedes albopictus</i>	15	143		
	<i>Aedes canadensis canadensis</i>	3	105		
	<i>Aedes japonicus</i>	2	15		
	<i>Aedes sollicitans</i>	4	153		
	<i>Aedes taeniorhynchus</i>	2	9		
	<i>Aedes triseriatus</i>	1	7		
	<i>Aedes vexans</i>	7	183		
	<i>Anopheles bradleyi</i>	3	50		
	<i>Anopheles crucians</i>	2	122		
	<i>Anopheles punctipennis</i>	1	13		
	<i>Anopheles quadrimaculatus</i>	1	3		
	<i>Coquillettidia perturbans</i>	9	352		
	<i>Culex erraticus</i>	10	412		
	<i>Culex pipiens</i>	4	98		
	<i>Culex salinarius</i>	5	32		
	<i>Culex</i> spp.	68	3024		
	<i>Culiseta melanura</i>	42	2148		
	<i>Psorophora columbiae</i>	1	5		
	<i>Uranotaenia sapphirina</i>	1	6		
Camden		124	2979		
	<i>Aedes albopictus</i>	25	80		
	<i>Aedes canadensis canadensis</i>	1	1		
	<i>Aedes japonicus</i>	11	16		
	<i>Aedes triseriatus</i>	2	2		
	<i>Aedes trivittatus</i>	1	1		
	<i>Anopheles punctipennis</i>	3	5		
	<i>Culex</i> spp.	80	2873		
	<i>Culiseta melanura</i>	1	1		
Essex		139	1773		
	<i>Aedes albopictus</i>	23	103		
	<i>Aedes japonicus</i>	22	256		
	<i>Aedes triseriatus</i>	2	6		
	<i>Aedes vexans</i>	2	7		
	<i>Culex</i> spp.	90	1401		
Hudson		109	6134		
	<i>Culex</i> spp.	109	6134		
Salem		1	7		

	<i>Culex</i> spp.	1	7		
Sussex		16	48		
	<i>Aedes triseriatus</i>	16	48		
Grand Total		570	17821		

La Crosse Encephalitis (LAC) through 30 Aug 2010.

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 2010.

County	Species	Pools	Mosquitoes	Positives	MFIR
Cape May		13	26		
	<i>Aedes triseriatus</i>	13	26		
Cumberland		2	2		
	<i>Aedes triseriatus</i>	2	2		
Warren		10	106		
	<i>Aedes canadensis canadensis</i>	4	86		
	<i>Aedes triseriatus</i>	6	20		
Grand Total		25	134		