

VECTOR SURVEILLANCE IN NEW JERSEY
EEE, WNV and SLE
CDC WEEK 32: August 9 to August 15, 2009

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	5.3	0.88	214	28	1	4.67
Corbin City (Atlantic County)	Coastal	1.1	0.40	77	17	0	0
Dennisville (Cape May County)	Coastal	7.7	2.90	1227	47	10	8.15
Winslow † (Camden County)	Inland	No history	3.76	173	4	0	0
Centerton (Salem County)	Inland	3.5	1.32	357	45	0	0
Turkey Swamp (Monmouth County)	Inland	2.5	2.80	509	140	0	0
Glassboro (Gloucester County)	Inland	No history	1.44	370	25	0	0

*Including trial run last week in May. † Date of site change-over occurred during Week 30.

Remarks: The number of positive EEE pools of *Cs. melanura* from the traditional resting box sites has remained at 11. Three additional positive EEE pools of *Cs. melanura* have been detected in resting boxes and other traps maintained by county agencies in Burlington and Cape May counties. To date, 306 pools from 2927 *Cs. melanura* mosquitoes have been sent for EEE testing from the seven resting box collections. A total of 17 positive pools from all species have been detected.

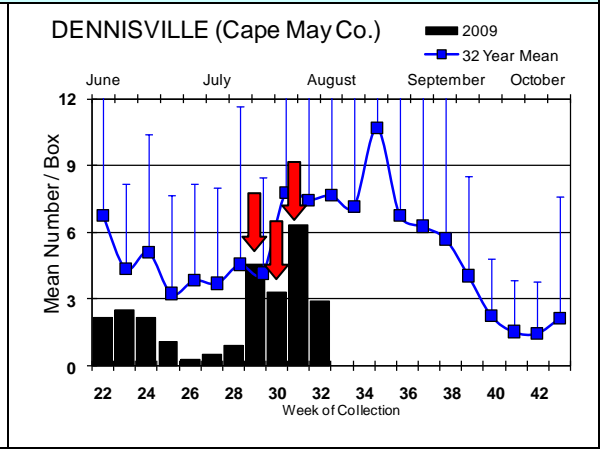
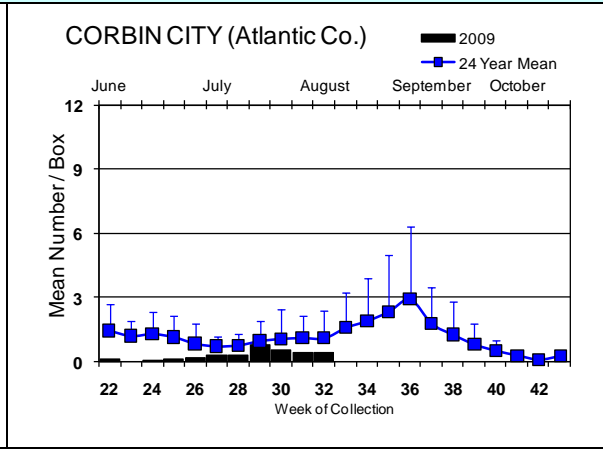
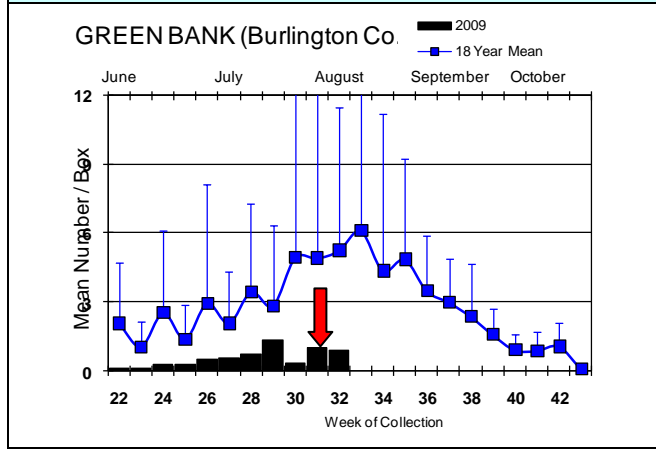
Positive species other than <i>Cs. melanura</i>	County(s)	Total Pools	Total Mosquitoes	Total Positive Pools	MFIR
Mixed <i>Culex</i> species	Atlantic	107	4612	2	0.43
<i>Culex salinarius</i>	Burlington	54	2453	1	0.39

The inclusion of mixed *Culex* species positive EEE pools of a bird-mosquito transmission cycle is not unusual. Mixed *Culex* species include two primary ornithophilic species, *Culex pipiens* and *Cx. restuans*. On the flip side of this, *Cs. melanura* has come up positive for WNV in the past in New Jersey. Other species tested for EEE from resting boxes include: *Aedes atlanticus*, *Ae. japonicus*, *Ae. triseriatus*, *Ae. vexans*, *Anopheles barberi*, *An. crucians*, *An. punctipennis*, *An. quadrimaculatus*, *Culex erraticus*, *Cx. pipiens*, *Cx. restuans*, *Cx. salinarius*, Mixed *Culex* pools, and *Cx. territans*. Additional species from other trap types include: *Aedes abserratus*, *Ae. albopictus*, *Ae. canadensis*, *Ae. cantator*, *Ae. cinereus*, *Ae.*

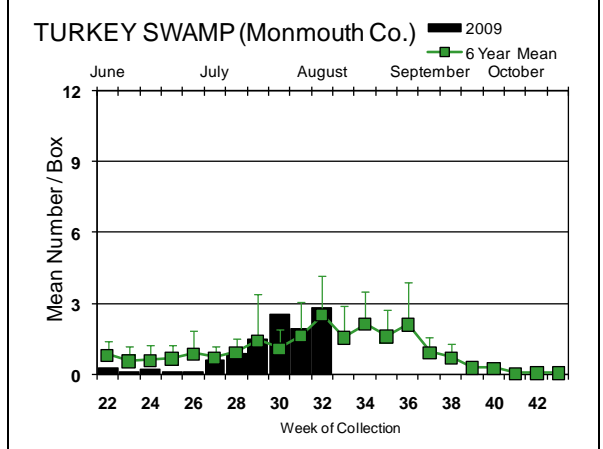
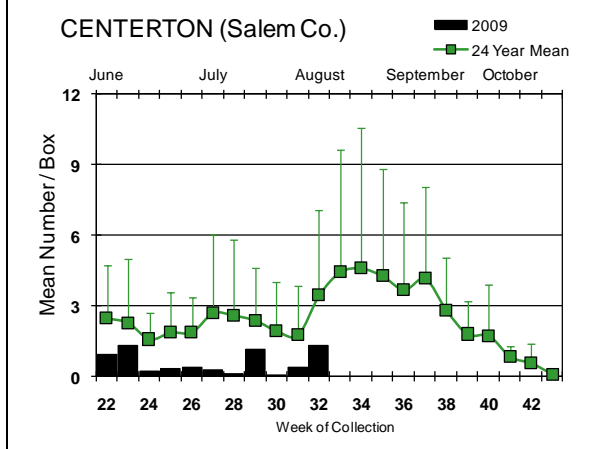
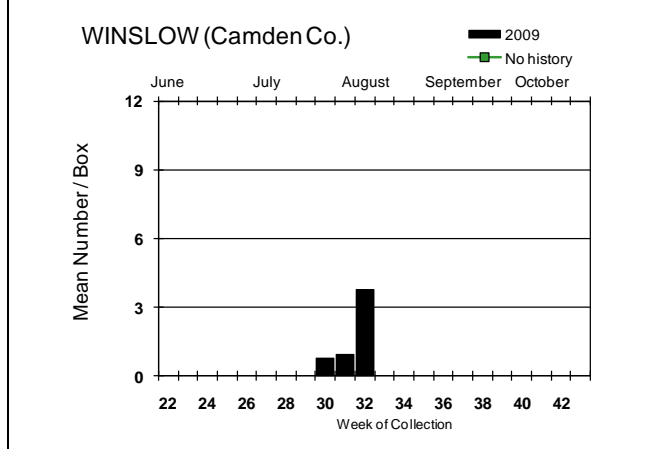
japonicus, *Ae. sollicitans*, *Ae. sticticus*, *Ae. taeniorhynchus*, *Ae. triseriatus*, *Ae. trivittatus*, *Ae. vexans*, *Anopheles bradleyi*, *Coquillettidia perturbans*, *Culiseta inornata* and *Psorophora ferox*.

Culiseta melanura Population Graphs

Coastal

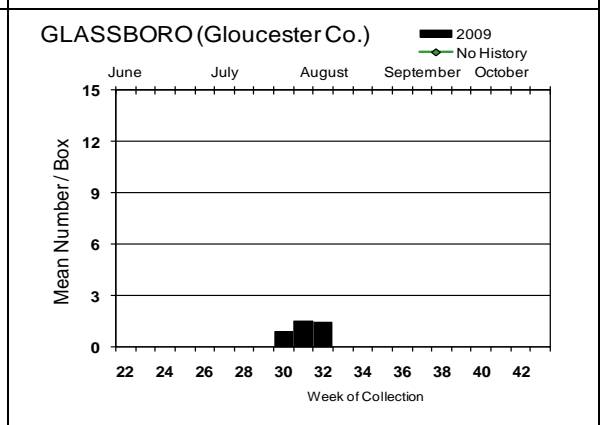


Inland



Culiseta melanura populations have risen over the past few weeks at some sites as cohorts from the second generation join each site's population. Turkey Swamp has posted values just above historical trends and is actually well within the range of historical error (as are other sites). Winslow and Centerton have also increased from the previous week. Glassboro and Corbin City have maintained populations.

↓ = positive pool detected.



EEE in US (2009 cumulative cases): (Red = new reported cases occurring)

- equine: 14(AL) 60(FL) 34(GA) 1(KY) 14(LA) 1(ME) 1(MO) 27(MS) 12(NC) 1alpaca(NH) 2(SC) 3(TX) 5(VA)
- mosquito: 1(FL) 1(LA) 5(MA) 17(NJ) 5(NY) 101(VA)
- sentinel: 2(AL) 136/68wild(FL) 24(NC) 30(VA)
- human: 1(LA)

West Nile Virus

West Nile in US (2009 cumulative cases): Single black values indicate no change from previous week. Black values / red values equals previous week/**New totals**.

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Alabama			1/2		
Alaska					
Arizona	1	56/64	4	0	5/12
Arkansas					1
California	271/392	292/504	24/56	1/3	5/10
Colorado		14/38			2/9
Connecticut	0	1/7	0	0	0
Delaware					
DC					
Florida	2 (flavi)	0	2/3	0	0
Georgia	0	4		2	0
Hawaii					
Idaho		7 co.		4	1/3
Illinois	5/8	59/107	0	0	0
Indiana	0	13/29		0	1
Iowa		3	1	0	0
Kansas					
Kentucky				1/2	
Louisiana		13/37		1	1
Maine					
Maryland	0	1/5		0	0
Mass.		1/5		0	0
Michigan		0	0	0	0
Minnesota		3			1
Mississippi		3/6		2/3	9/19
Missouri		195		1	1
Montana		+		1	
Nebraska	2	15		2	1/8

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada		4+			5
New Hampshire		0		0	0
New Jersey	1	10/63	0	0	0
New Mexico				0	1
New York	7	3/18	0	0	1
North Carolina					
North Dakota	0	0		0	0
Ohio	0	18/44		0	0
Oklahoma	0	0	0	0	0
Oregon	2/6	76/154	0	2	0
Pennsylvania	2	14/40	0	0	1
Rhode Island					
South Carolina	2	0			
South Dakota	0	2	0	0	3
Tennessee	0	39/151	0	0	1
Texas	1	150/187	0	1	2/11
Utah		120/183		1	0
Vermont	0	0	0	0	0
Virginia		0	1		0
Washington	1/7	161/214	0	3/20	0
West Virginia	1	7/72	0	1	0
Wisconsin	2	0	0	0	0
Wyoming		12/17			

Note: Some data reported by states are provisional and are subject to change. Sources for this table can be found [here](#).

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 20 August 2009

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	1		
<i>Aedes albopictus</i>	254	1662		
<i>Aedes atlanticus</i>	5	8		
<i>Aedes atropalpus</i>	1	15		
<i>Aedes canadensis canadensis</i>	85	2085		
<i>Aedes cantator</i>	46	422		
<i>Aedes cinereus</i>	2	7		
<i>Aedes grossbecki</i>	3	35		
<i>Aedes japonicus</i>	474	3465		
<i>Aedes sollicitans</i>	22	181		
<i>Aedes sticticus</i>	12	115		
<i>Aedes taeniorhynchus</i>	11	117		
<i>Aedes thibaulti</i>	6	9		
<i>Aedes triseriatus</i>	139	485		
<i>Aedes trivittatus</i>	23	388		
<i>Aedes vexans</i>	100	1553		
<i>Anopheles barberi</i>	4	15		
<i>Anopheles bradleyi</i>	25	478	1	2.092
<i>Anopheles crucians</i>	3	26		
<i>Anopheles punctipennis</i>	90	308		
<i>Anopheles quadrimaculatus</i>	78	1241		
<i>Anopheles walkeri</i>	1	19		
<i>Coquillettidia perturbans</i>	44	529		
<i>Culex erraticus</i>	34	1481		
<i>Culex pipiens</i>	639	15612	3	0.192
<i>Culex restuans</i>	467	5766	1	0.173
<i>Culex salinarius</i>	95	2857		
<i>Culex spp.</i>	2263	96581	57	0.590
<i>Culex territans</i>	27	74		
<i>Culiseta inornata</i>	1	2		
<i>Culiseta melanura</i>	331	3399	1	0.294
<i>Culiseta morsitans</i>	1	3		
<i>Orthopodomyia signifera</i>	1	1		
<i>Psorophora ciliata</i>	1	1		
<i>Psorophora columbiae</i>	3	7		
<i>Psorophora ferox</i>	12	63		
<i>Uranotaenia sapphirina</i>	1	14		
State Total	5305	139,025	63	0.453

Remarks: The number of pools positive for West Nile virus has increased from 16 to 63. All counties except Cumberland, Passaic, Salem and Warren counties have detected WNV in mosquitoes. Infected pools are primarily from ornithophilic species: *Culex pipiens*, *Cx. restuans* and those two species' proportion of the Mixed *Culex* pools (likely large as *Cx. salinarius* is yet to have positive pools) plus *Culiseta melanura*.

Humans, Horses and Wild Birds: No humans have been reported positive for WNV by PHEL. For more details plus information about WNV, see the PHEL's West Nile Virus Alert and FAQ Sheets:

No confirmed horse cases have occurred. One positive bird (Blue Jay) has been detected to date. This bird was found in Ocean County.

2009 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year* * 2008 started later (at least one month) last year than in 2009
63 / 5305 (1.2%)	361 / 4682 (7.7%)
2009 Positive Birds to date / Total Birds Submitted	This time last year* * 2008 started later (at least one month) last year than in 2009
1 / 62 (1.6%)	21 / 118 (17.8%)

WNV Results by County through 5 August 2009

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		148	3609	1	0.277
	<i>Aedes albopictus</i>	9	115		
	<i>Aedes canadensis canadensis</i>	4	38		
	<i>Aedes cantator</i>	6	140		
	<i>Aedes grossbecki</i>	1	8		
	<i>Aedes japonicus</i>	5	63		
	<i>Aedes sollicitans</i>	3	9		
	<i>Aedes sticticus</i>	2	18		
	<i>Aedes taeniorhynchus</i>	4	27		
	<i>Aedes thibaulti</i>	3	3		
	<i>Aedes triseriatus</i>	2	3		
	<i>Aedes trivittatus</i>	1	4		
	<i>Aedes vexans</i>	13	349		
	<i>Anopheles bradleyi</i>	4	34	1	29.412
	<i>Anopheles punctipennis</i>	4	7		
	<i>Anopheles quadrimaculatus</i>	3	5		
	<i>Culex erraticus</i>	1	3		
	<i>Culex restuans</i>	2	5		
	<i>Culex salinarius</i>	2	37		
	<i>Culex spp.</i>	61	2652		
	<i>Culex territans</i>	1	1		
	<i>Culiseta melanura</i>	16	86		
	<i>Psorophora columbiae</i>	1	2		
Bergen		113	8080	14	1.733
	<i>Aedes albopictus</i>	1	6		
	<i>Aedes japonicus</i>	3	9		
	<i>Culex spp.</i>	109	8065	14	1.736
Burlington		324	8436	10	1.185
	<i>Aedes abserratus</i>	1	1		
	<i>Aedes albopictus</i>	27	154		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes atropalpus</i>	1	15		
	<i>Aedes canadensis canadensis</i>	20	958		
	<i>Aedes cantator</i>	6	67		
	<i>Aedes cinereus</i>	1	6		

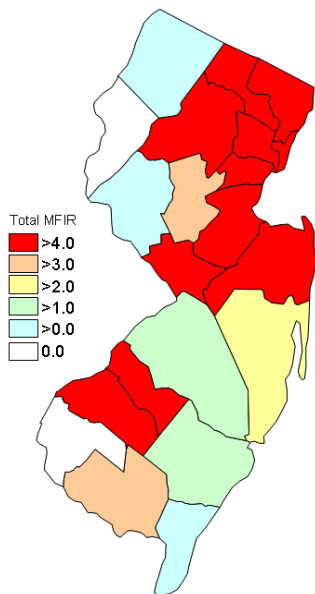
<i>Aedes grossbecki</i>	1	26		
<i>Aedes japonicus</i>	25	131		
<i>Aedes sollicitans</i>	3	38		
<i>Aedes sticticus</i>	2	85		
<i>Aedes taeniorhynchus</i>	3	54		
<i>Aedes triseriatus</i>	11	52		
<i>Aedes trivittatus</i>	2	9		
<i>Aedes vexans</i>	22	734		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles bradleyi</i>	6	282		
<i>Anopheles crucians</i>	1	5		
<i>Anopheles punctipennis</i>	9	29		
<i>Anopheles quadrimaculatus</i>	3	11		
<i>Coquillettidia perturbans</i>	16	244		
<i>Culex erraticus</i>	1	4		
<i>Culex pipiens</i>	1	75		
<i>Culex restuans</i>	2	4		
<i>Culex salinarius</i>	6	168		
<i>Culex</i> spp.	92	4126	10	2.424
<i>Culex territans</i>	3	13		
<i>Culiseta inornata</i>	1	2		
<i>Culiseta melanura</i>	52	1118		
<i>Psorophora ciliate</i>	1	1		
<i>Psorophora columbiae</i>	1	4		
<i>Psorophora ferox</i>	1	4		
<i>Uranotaenia sapphirina</i>	1	14		
Camden	200	6003	12	1.999
<i>Aedes albopictus</i>	14	44		
<i>Aedes japonicus</i>	24	59		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	4	4		
<i>Aedes trivittatus</i>	2	2		
<i>Aedes vexans</i>	1	1		
<i>Anopheles punctipennis</i>	3	8		
<i>Anopheles quadrimaculatus</i>	3	4		
<i>Culex pipiens</i>	3	107		
<i>Culex restuans</i>	2	2		
<i>Culex</i> spp.	137	5758	12	2.084
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	4	11		
<i>Orthopodomyia signifera</i>	1	1		
Cape May	1305	23042	4	0.174
<i>Aedes albopictus</i>	33	96		
<i>Aedes canadensis canadensis</i>	4	37		
<i>Aedes cantator</i>	6	20		
<i>Aedes japonicus</i>	136	555		
<i>Aedes sollicitans</i>	8	107		
<i>Aedes taeniorhynchus</i>	2	16		
<i>Aedes triseriatus</i>	41	138		
<i>Aedes vexans</i>	1	1		
<i>Anopheles bradleyi</i>	9	120		

<i>Anopheles punctipennis</i>	5	19		
<i>Anopheles quadrimaculatus</i>	29	984		
<i>Coquillettidia perturbans</i>	2	27		
<i>Culex erraticus</i>	22	1179		
<i>Culex pipiens</i>	282	5433	2	0.368
<i>Culex restuans</i>	286	3753	1	0.266
<i>Culex salinarius</i>	56	2393		
<i>Culex spp.</i>	288	7041		
<i>Culex territans</i>	7	29		
<i>Culiseta melanura</i>	88	1094	1	0.914
Cumberland	64	1538		
<i>Aedes albopictus</i>	3	16		
<i>Aedes cantator</i>	1	15		
<i>Aedes japonicas</i>	8	56		
<i>Anopheles punctipennis</i>	1	1		
<i>Anopheles quadrimaculatus</i>	1	3		
<i>Culex erraticus</i>	1	9		
<i>Culex pipiens</i>	6	150		
<i>Culex restuans</i>	2	6		
<i>Culex spp.</i>	36	1227		
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	4	54		
Essex	169	3162	1	0.316
<i>Aedes albopictus</i>	11	32		
<i>Aedes japonicus</i>	16	75		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	9	14		
<i>Aedes vexans</i>	9	25		
<i>Anopheles punctipennis</i>	1	1		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex spp.</i>	119	3010	1	0.332
<i>Psorophora ferox</i>	2	3		
Gloucester	445	10853	1	0.092
<i>Aedes albopictus</i>	30	405		
<i>Aedes atlanticus</i>	1	1		
<i>Aedes canadensis canadensis</i>	2	2		
<i>Aedes japonicus</i>	44	433		
<i>Aedes thibaulti</i>	1	4		
<i>Aedes triseriatus</i>	2	2		
<i>Aedes trivittatus</i>	1	75		
<i>Aedes vexans</i>	8	60		
<i>Anopheles barberi</i>	2	13		
<i>Anopheles crucians</i>	2	21		
<i>Anopheles punctipennis</i>	18	116		
<i>Anopheles quadrimaculatus</i>	22	75		
<i>Anopheles walkeri</i>	1	19		
<i>Coquillettidia perturbans</i>	2	2		
<i>Culex pipiens</i>	242	9185	1	0.109
<i>Culex restuans</i>	18	106		
<i>Culex salinarius</i>	1	1		

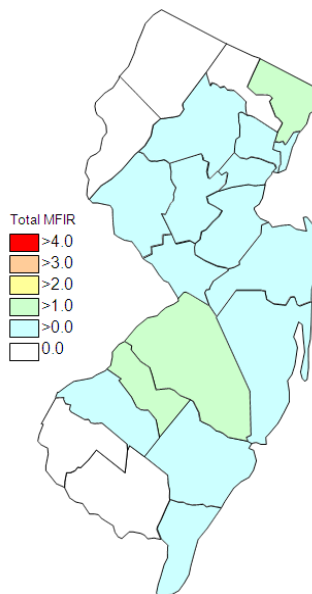
	<i>Culex territans</i>	4	9		
	<i>Culiseta melanura</i>	44	324		
Hudson		135	7114	5	0.703
	<i>Culex</i> spp.	135	7114	5	0.703
Hunterdon		162	8026	1	0.125
	<i>Aedes albopictus</i>	1	45		
	<i>Culex</i> spp.	161	7981	1	0.125
Mercer		361	6105	1	0.164
	<i>Aedes albopictus</i>	29	73		
	<i>Aedes japonicus</i>	47	109		
	<i>Aedes triseriatus</i>	7	9		
	<i>Culex erraticus</i>	1	1		
	<i>Culex pipiens</i>	83	596		
	<i>Culex restuans</i>	117	1576		
	<i>Culex salinarius</i>	5	5		
	<i>Culex</i> spp.	72	3736	1	0.268
Middlesex		243	11900	2	0.168
	<i>Aedes albopictus</i>	6	38		
	<i>Aedes japonicus</i>	19	284		
	<i>Culex</i> spp.	218	11578	2	0.173
Monmouth		387	3747	1	0.267
	<i>Aedes albopictus</i>	26	134		
	<i>Aedes canadensis canadensis</i>	18	151		
	<i>Aedes cantator</i>	11	52		
	<i>Aedes japonicus</i>	26	207		
	<i>Aedes sollicitans</i>	2	3		
	<i>Aedes thibaulti</i>	1	1		
	<i>Aedes triseriatus</i>	17	74		
	<i>Aedes trivittatus</i>	6	6		
	<i>Aedes vexans</i>	13	74		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles punctipennis</i>	16	36		
	<i>Anopheles quadrimaculatus</i>	4	5		
	<i>Coquillettidia perturbans</i>	4	12		
	<i>Culex erraticus</i>	2	15		
	<i>Culex pipiens</i>	14	21		
	<i>Culex restuans</i>	23	40		
	<i>Culex</i> spp.	114	2479	1	0.403
	<i>Culex territans</i>	8	18		
	<i>Culiseta melanura</i>	79	410		
	<i>Psorophora ferox</i>	2	8		
Morris		114	4749	2	0.421
	<i>Aedes japonicus</i>	19	334		
	<i>Aedes triseriatus</i>	3	26		
	<i>Culex</i> spp.	92	4389	2	0.456
Ocean		356	6647	1	0.150

<i>Aedes albopictus</i>	41	442		
<i>Aedes atlanticus</i>	3	6		
<i>Aedes canadensis canadensis</i>	34	871		
<i>Aedes cantator</i>	16	128		
<i>Aedes cinereus</i>	1	1		
<i>Aedes grossbecki</i>	1	1		
<i>Aedes japonicus</i>	41	274		
<i>Aedes sollicitans</i>	5	23		
<i>Aedes sticticus</i>	6	10		
<i>Aedes taeniorhynchus</i>	2	20		
<i>Aedes triseriatus</i>	21	77		
<i>Aedes trivittatus</i>	4	14		
<i>Aedes vexans</i>	27	139		
<i>Anopheles bradleyi</i>	6	42		
<i>Anopheles punctipennis</i>	12	15		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Coquillettidia perturbans</i>	8	16		
<i>Culex restuans</i>	5	5		
<i>Culex salinarius</i>	11	59		
<i>Culex</i> spp.	91	4412	1	0.227
<i>Culiseta melanura</i>	13	45		
<i>Psorophora columbiae</i>	1	1		
<i>Psorophora ferox</i>	6	45		
Passaic	77	1628		
<i>Aedes albopictus</i>	4	34		
<i>Aedes canadensis canadensis</i>	1	20		
<i>Aedes japonicus</i>	16	271		
<i>Aedes triseriatus</i>	4	20		
<i>Anopheles punctipennis</i>	1	2		
<i>Culex</i> spp.	51	1281		
Salem	110	2777		
<i>Aedes albopictus</i>	6	26		
<i>Aedes japonicus</i>	5	26		
<i>Aedes triseriatus</i>	1	1		
<i>Aedes vexans</i>	2	150		
<i>Anopheles punctipennis</i>	10	47		
<i>Anopheles quadrimaculatus</i>	9	146		
<i>Coquillettidia perturbans</i>	4	128		
<i>Culex erraticus</i>	6	270		
<i>Culex restuans</i>	4	79		
<i>Culex salinarius</i>	2	150		
<i>Culex</i> spp.	30	1505		
<i>Culex territans</i>	2	2		
<i>Culiseta melanura</i>	29	247		
Somerset	170	4371	1	0.229
<i>Aedes albopictus</i>	6	18		
<i>Aedes canadensis canadensis</i>	2	8		
<i>Aedes japonicus</i>	25	427		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	17	65		

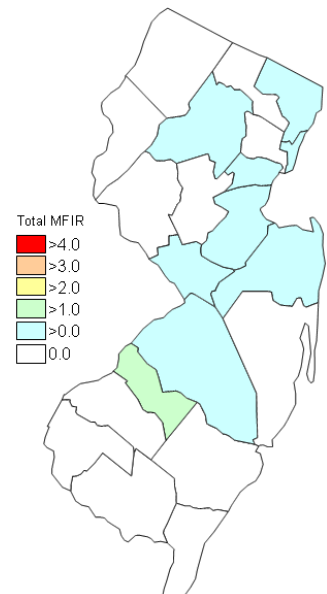
<i>Aedes trivittatus</i>	7	278		
<i>Aedes vexans</i>	1	5		
<i>Anopheles punctipennis</i>	8	21		
<i>Anopheles quadrimaculatus</i>	3	7		
<i>Coquillettidia perturbans</i>	3	4		
<i>Culex</i> spp.	96	3534	1	0.283
<i>Psorophora ferox</i>	1	3		
Sussex	161	4092	1	0.244
<i>Aedes japonicus</i>	3	3		
<i>Coquillettidia perturbans</i>	3	94		
<i>Culex pipiens</i>	8	45		
<i>Culex restuans</i>	6	190		
<i>Culex salinarius</i>	12	44		
<i>Culex</i> spp.	126	3703	1	0.270
<i>Culiseta melanura</i>	2	10		
<i>Culiseta morsitans</i>	1	3		
Union	98	3275	5	1.527
<i>Aedes albopictus</i>	8	29		
<i>Aedes japonicus</i>	11	104		
<i>Aedes sollicitans</i>	1	1		
<i>Aedes vexans</i>	3	15		
<i>Coquillettidia perturbans</i>	2	6		
<i>Culex</i> spp.	1	1		
Warren	163	9871		
<i>Culex</i> spp.	163	9871		
Grand Total	5305	139,025	63	0.453



Cumulative activity in 2008



Activity this year to 20 August 2009



Activity last week, 2009.

Saint Louis Encephalitis (SLE) through 20 August 2009.

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.

County	Species	Pools	Mosquitoes	Positives	MFIR
Burlington		270	7144		
	<i>Aedes abserratus</i>	1	1		
	<i>Aedes albopictus</i>	27	154		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes atropalpus</i>	1	15		
	<i>Aedes canadensis canadensis</i>	8	217		
	<i>Aedes cantator</i>	5	66		
	<i>Aedes cinereus</i>	1	6		
	<i>Aedes japonicus</i>	24	130		
	<i>Aedes sollicitans</i>	3	38		
	<i>Aedes sticticus</i>	1	41		
	<i>Aedes taeniorhynchus</i>	3	54		
	<i>Aedes triseriatus</i>	10	51		
	<i>Aedes trivittatus</i>	2	9		
	<i>Aedes vexans</i>	17	490		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles bradleyi</i>	6	282		
	<i>Anopheles crucians</i>	1	5		
	<i>Anopheles punctipennis</i>	7	23		
	<i>Anopheles quadrimaculatus</i>	2	10		
	<i>Coquillettidia perturbans</i>	16	244		
	<i>Culex erraticus</i>	1	4		
	<i>Culex pipiens</i>	1	75		
	<i>Culex restuans</i>	1	3		
	<i>Culex salinarius</i>	6	168		
	<i>Culex spp.</i>	90	4117		
	<i>Culex territans</i>	2	7		
	<i>Culiseta inornata</i>	1	2		
	<i>Culiseta melanura</i>	27	907		
	<i>Psorophora ciliate</i>	1	1		
	<i>Psorophora columbiae</i>	1	4		
	<i>Psorophora ferox</i>	1	4		
	<i>Uranotaenia sapphirina</i>	1	14		
Camden		119	3816		
	<i>Aedes albopictus</i>	12	36		
	<i>Aedes japonicus</i>	12	36		
	<i>Aedes triseriatus</i>	4	4		
	<i>Aedes vexans</i>	1	1		
	<i>Culex pipiens</i>	2	95		
	<i>Culex spp.</i>	87	3643		
	<i>Orthopodomyia signifera</i>	1	1		
Cape May		588	12428		
	<i>Aedes cantator</i>	1	2		

<i>Aedes japonicus</i>	2	22		
<i>Aedes triseriatus</i>	2	11		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Coquillettidia perturbans</i>	1	19		
<i>Culex erraticus</i>	2	78		
<i>Culex pipiens</i>	192	4126		
<i>Culex restuans</i>	125	1440		
<i>Culex salinarius</i>	4	25		
<i>Culex spp.</i>	254	6692		
<i>Culiseta melanura</i>	4	12		
Essex	169	3162		
<i>Aedes albopictus</i>	11	32		
<i>Aedes japonicus</i>	16	75		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	9	14		
<i>Aedes vexans</i>	9	25		
<i>Anopheles punctipennis</i>	1	1		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex spp.</i>	119	3010		
<i>Psorophora ferox</i>	2	3		
Hunterdon	34	1700		
<i>Culex spp.</i>	34	1700		
Mercer	343	6003		
<i>Aedes albopictus</i>	29	73		
<i>Aedes japonicus</i>	43	105		
<i>Aedes triseriatus</i>	7	9		
<i>Culex pipiens</i>	80	585		
<i>Culex restuans</i>	113	1533		
<i>Culex salinarius</i>	3	3		
<i>Culex spp.</i>	68	3695		
Somerset	16	432		
<i>Culex spp.</i>	16	432		
Grand Total	1539	34685		

Specimens submitted by the counties continue to be negative for SLE.

La Crosse Encephalitis (LAC) through 12 August 2009.

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).

County	Species	Pools	Mosquitoes	Positives	MFIR
Cape May		169	859		
	<i>Aedes albopictus</i>	24	70		
	<i>Aedes japonicus</i>	97	440		
	<i>Aedes triseriatus</i>	38	126		
	<i>Anopheles bradleyi</i>	1	34		
	<i>Culex pipiens</i>	1	41		
	<i>Culex restuans</i>	1	8		
	<i>Culex salinarius</i>	2	77		
	<i>Culex spp.</i>	5	63		
Passaic		2	17		
	<i>Aedes triseriatus</i>	2	17		
Grand Total		171	876		