

VECTOR SURVEILLANCE IN NEW JERSEY
EEE, WNV and SLE
CDC WEEK 30: July 26 to August 1, 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	4.9	0.32	164	25	0	0
Corbin City (Atlantic County)	Coastal	1.1	0.52	56	15	0	0
Dennisville (Cape May County)	Coastal	7.8	3.39	761	35	4	5.26
Winslow † (Camden County)	Inland		0.76	38	1	0	0
Centerton (Salem County)	Inland	1.9	0.08	281	39	0	0
Turkey Swamp (Monmouth County)	Inland	1.1	2.52	253	122	0	0
Glassboro (Gloucester County)	Inland		0.86	298	23	0	0

*Including trial run last week in May. † Date of site change-over occurred during Week 30. During this week, the old Waterford site had 1/50 *Cs. melanura* collected.

Remarks: Site relocation has occurred for two sites: The Waterford site is now in Winslow Township and will be referred to as such. The move was about 1.6 miles (as the crow flies) from the old Waterford site. This site was changed as populations at the Waterford site decreased substantially in recent years. Falling trees resulting in an open canopy plus boisterous partygoers upending resting boxes resulted in reduced effectiveness of this site. The second site involved moving the Glassboro site less than a half mile from the original site to a place with less public traffic. Both sites will build up new historical data.

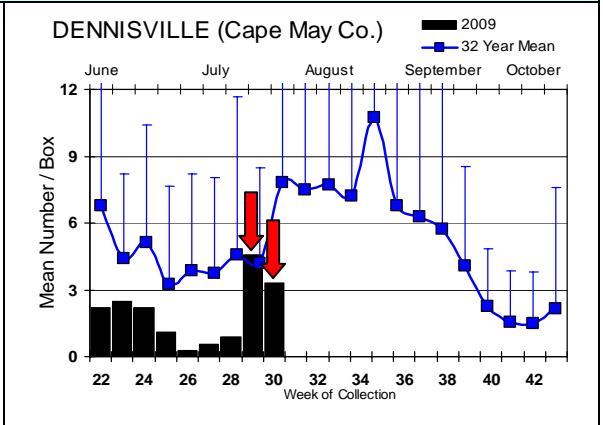
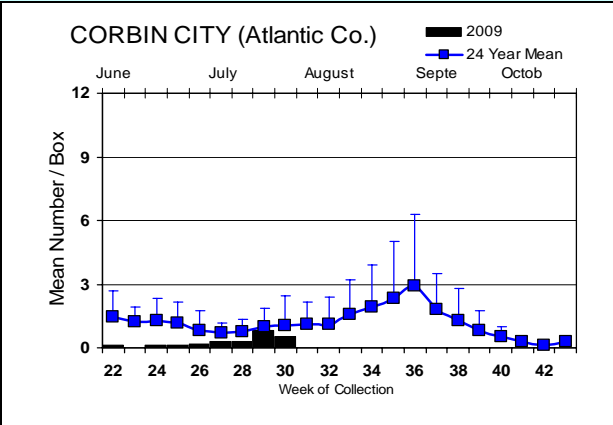
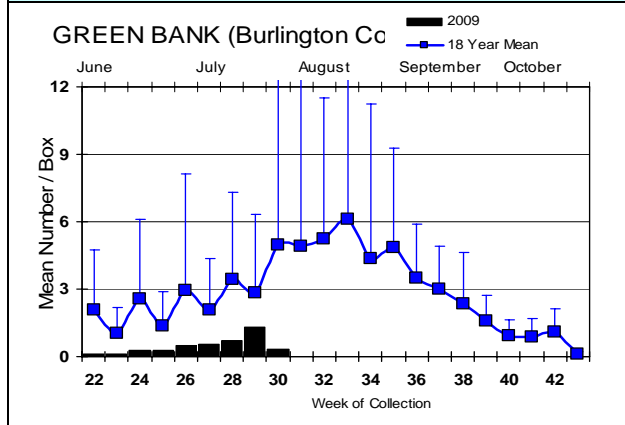
Four additional positive pools of EEE were detected, including three pools of *Culiseta melanura* from Dennisville and one *Culex salinarius* (collected on 15 July) from a county-operated CO₂ trap in Burlington County. The MFIR value for the positive Dennisville *Cs. melanura* was 5.26 and the MFIR value for the positive *Cx. salinarius* was 2.30. Vaidyanathan (et al 1997 Vector competence of mosquitoes (Diptera: Culicidae) from Massachusetts for a sympatric isolate of eastern equine encephalomyelitis virus. J. Med Ent, 34(3):346-352) ranked *Cx. salinarius* highest among potential bridge vectors of EEE they tested due to vector competence and behavioral qualities.

To date, 260 pools from 1851 *Cs. melanura* mosquitoes have been sent for EEE testing from the seven resting box collections. Previously, Ocean County has submitted *Cs. melanura* samples collected from gravid and CO₂ traps while Gloucester County has sampled additional sites with resting boxes. 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.*

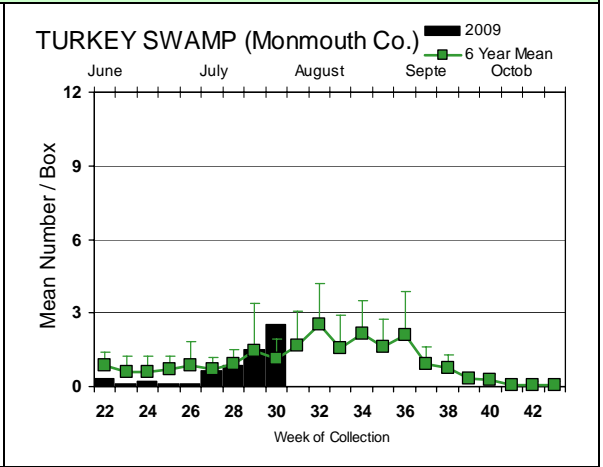
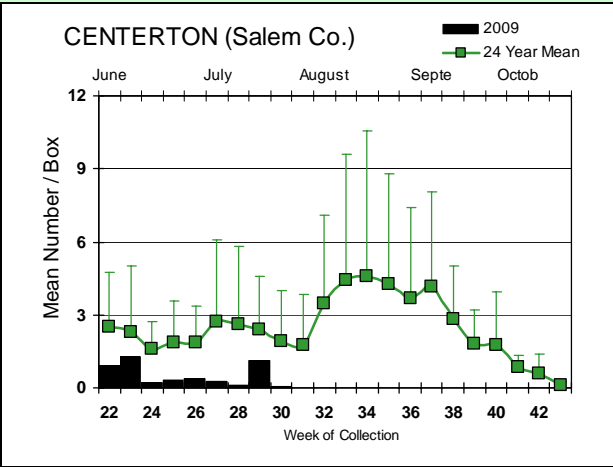
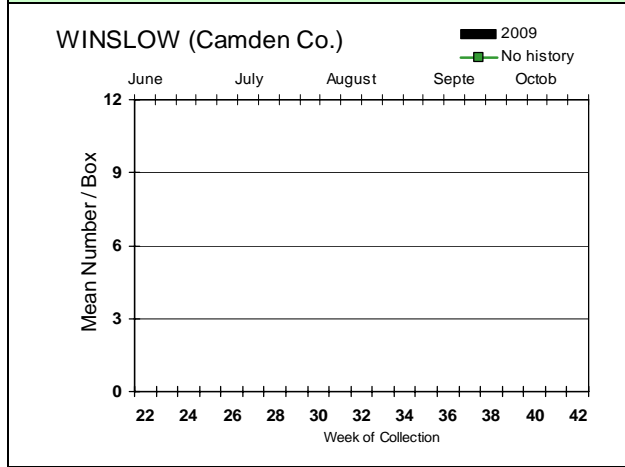
japonicus, *Ae. sollicitans*, *Ae. sticticus*, *Ae. taeniorhynchus*, *Ae. triseriatus*, *Ae. trivittatus*, *Ae. vexans*, *Anopheles bradleyi*, *Coquillettidia perturbans*, *Culiseta inornata* and *Psorophora ferox*. One pool of *Cx. salinarius* was detected positive in Burlington County.

Culiseta melanura Population Graphs

Coastal

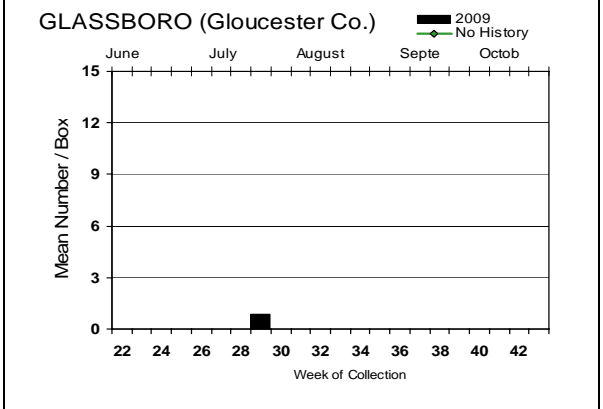


Inland



Culiseta melanura populations increased at Turkey Swamp to above the historical average. While the average at Dennisville decreased slightly from the previous week, three additional positive EEE pools of *Cs. melanura* were detected.

↓ = positive pool detected.



- EEE in US (2009 cumulative cases):** (Red = new reported cases occurring)
- equine: 6(AL) 47(FL) 31(GA) 10(LA) 1(MO) 19(MS) 4(NC) 2(TX) 1(VA)
 - mosquito: 1(FL) 1(LA) 1(MA) 5(NJ) 5(NY) 81(VA)
 - sentinel: 2(AL) 104/49wild(FL) 17(NC) 30(VA)
 - human:

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	0	50/56	4	0	4/5
Arkansas					1
California	240/271	233/292	13/24	1	1/5
Colorado		3/14			2
Connecticut	0	1	0	0	0
Delaware					
DC					
Florida	2 (flavi)	0	2	0	0
Georgia	0	0		2	0
Hawaii					
Idaho		7 counties			1
Illinois	3/5	45/59	0	0	0
Indiana	0	8/13		0	0
Iowa		3	1	0	0
Kansas					
Kentucky				1	
Louisiana		13/37		1	1
Maine					
Maryland	0	1		0	0
Mass.		1		0	0
Michigan		0	0	0	0
Minnesota		3			1
Mississippi		2/3		2	4/9
Missouri		195		1	
Montana		+		1	
Nebraska	0	0		0	1

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada		4+			4/5
New Hampshire		0		0	0
New Jersey	0	10/16	0	0	0
New Mexico				0	0
New York	0	1/3	0	0	1
North Carolina					
North Dakota	0	0		0	0
Ohio	0	11/18		0	0
Oklahoma	0	0	0	0	0
Oregon	1/2	1/76	0	2	0
Pennsylvania	2	8/14	0	0	0
Rhode Island					
South Carolina	0	0			
South Dakota	0	2	0	0	2/3
Tennessee	0	23/39	0	0	1
Texas	1/2	88/150	0	1/2	2
Utah		78/120		1	0
Vermont	0	0	0	0	0
Virginia		0	1		0
Washington	1	63/161	0	2/3	0
West Virginia	1	7/72	0	1	0
Wisconsin	0	0	0	0	0
Wyoming		9/12			

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 5 August 2009

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	1		
<i>Aedes albopictus</i>	171	922		
<i>Aedes atlanticus</i>	5	8		
<i>Aedes canadensis canadensis</i>	76	1956		
<i>Aedes cantator</i>	40	330		
<i>Aedes cinereus</i>	2	7		
<i>Aedes grossbecki</i>	3	35		
<i>Aedes japonicus</i>	387	2734		
<i>Aedes sollicitans</i>	9	51		
<i>Aedes sticticus</i>	12	115		
<i>Aedes taeniorhynchus</i>	6	65		
<i>Aedes thibaulti</i>	6	9		
<i>Aedes triseriatus</i>	116	403		
<i>Aedes trivittatus</i>	22	380		
<i>Aedes vexans</i>	78	1188		
<i>Anopheles barberi</i>	3	14		
<i>Anopheles bradleyi</i>	16	127		
<i>Anopheles crucians</i>	3	26		
<i>Anopheles punctipennis</i>	72	252		
<i>Anopheles quadrimaculatus</i>	69	1208		
<i>Anopheles walkeri</i>	1	19		
<i>Coquillettidia perturbans</i>	35	434		
<i>Culex erraticus</i>	22	780		
<i>Culex pipiens</i>	534	12720		
<i>Culex restuans</i>	444	5648		
<i>Culex salinarius</i>	40	455		
<i>Culex spp.</i>	1807	78690	16	0.203
<i>Culex territans</i>	24	62		
<i>Culiseta inornata</i>	1	2		
<i>Culiseta melanura</i>	280	2343		
<i>Culiseta morsitans</i>	1	3		
<i>Psorophora columbiae</i>	1	1		
<i>Psorophora ferox</i>	9	50		
State Total	4296	111,038	16	0.144

Remarks: The number of pools positive for West Nile virus increased from 10 to 16. Hudson, Monmouth and Union counties contributed 4 of the 6 new pools. These counties reinforce the urban/suburban nature of this arbovirus. All infected pools come from mixed *Culex* pools, which can include *Culex pipiens*, *Cx. restuans* and *Cx. salinarius*.

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:

<http://www.state.nj.us/health/cd/westnile/enceph.htm>

No confirmed horse cases have occurred. No positive birds have been detected as of this week.

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
16 / 3725	209 / 3438
2009 Positive Birds to date / Total Birds Submitted	This time last year* * 2008 started later (at least one month) last year than in 2009
0 / 51	11 / 96

WNV Results by County through 5 August 2009

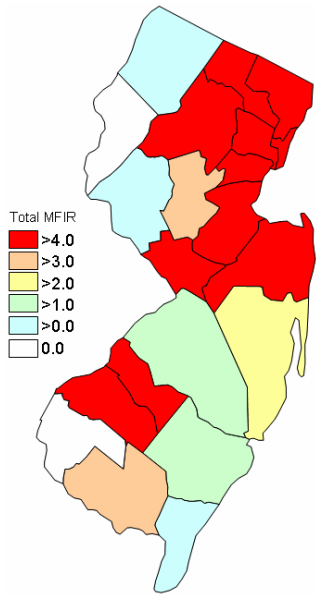
County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		120	2893		
	<i>Aedes albopictus</i>	5	44		
	<i>Aedes canadensis canadensis</i>	4	38		
	<i>Aedes cantator</i>	6	140		
	<i>Aedes grossbecki</i>	1	8		
	<i>Aedes japonicus</i>	4	60		
	<i>Aedes sollicitans</i>	2	7		
	<i>Aedes sticticus</i>	2	18		
	<i>Aedes taeniorhynchus</i>	3	16		
	<i>Aedes thibaulti</i>	3	3		
	<i>Aedes triseriatus</i>	2	3		
	<i>Aedes trivittatus</i>	1	4		
	<i>Aedes vexans</i>	11	331		
	<i>Anopheles bradleyi</i>	1	9		
	<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</i> spp.	49	2101		
	<i>Culex territans</i>	1	1		
	<i>Culiseta melanura</i>	13	53		
Bergen		83	6034	1	0.166
	<i>Aedes albopictus</i>	1	6		
	<i>Aedes japonicus</i>	1	3		
	<i>Culex</i> spp.	81	6025	1	0.166
Burlington		233	5422	1	0.184
	<i>Aedes abserratus</i>	1	1		
	<i>Aedes albopictus</i>	19	89		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes canadensis canadensis</i>	19	883		
	<i>Aedes cantator</i>	5	42		
	<i>Aedes cinereus</i>	1	6		
	<i>Aedes grossbecki</i>	1	26		
	<i>Aedes japonicus</i>	20	101		
	<i>Aedes sollicitans</i>	2	22		
	<i>Aedes sticticus</i>	2	85		
	<i>Aedes taeniorhynchus</i>	2	48		
	<i>Aedes triseriatus</i>	9	39		
	<i>Aedes trivittatus</i>	2	9		
	<i>Aedes vexans</i>	15	451		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles bradleyi</i>	2	18		

<i>Anopheles crucians</i>	1	5		
<i>Anopheles punctipennis</i>	6	22		
<i>Anopheles quadrimaculatus</i>	1	6		
<i>Coquillettidia perturbans</i>	13	224		
<i>Culex pipiens</i>	1	75		
<i>Culex restuans</i>	2	4		
<i>Culex salinarius</i>	3	55		
<i>Culex</i> spp.	62	2615	1	0.382
<i>Culex territans</i>	2	10		
<i>Culiseta inornata</i>	1	2		
<i>Culiseta melanura</i>	38	578		
<i>Psorophora ferox</i>	1	4		
Camden	157	4851	7	1.443
<i>Aedes albopictus</i>	6	16		
<i>Aedes japonicus</i>	19	43		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	1	1		
<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.	111	4654	7	1.504
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	4	11		
Cape May	1028	16645		
<i>Aedes albopictus</i>	17	44		
<i>Aedes canadensis canadensis</i>	1	6		
<i>Aedes cantator</i>	5	11		
<i>Aedes japonicus</i>	112	447		
<i>Aedes triseriatus</i>	36	117		
<i>Anopheles bradleyi</i>	8	86		
<i>Anopheles punctipennis</i>	5	19		
<i>Anopheles quadrimaculatus</i>	28	983		
<i>Coquillettidia perturbans</i>	1	19		
<i>Culex erraticus</i>	16	729		
<i>Culex pipiens</i>	206	3453		
<i>Culex restuans</i>	267	3642		
<i>Culex salinarius</i>	10	119		
<i>Culex</i> spp.	236	6022		
<i>Culex territans</i>	7	29		
<i>Culiseta melanura</i>	73	919		
Cumberland	49	1252		
<i>Aedes cantator</i>	1	15		
<i>Aedes japonicus</i>	6	31		
<i>Anopheles punctipennis</i>	1	1		
<i>Culex pipiens</i>	1	2		
<i>Culex restuans</i>	2	6		
<i>Culex</i> spp.	34	1150		
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	3	46		

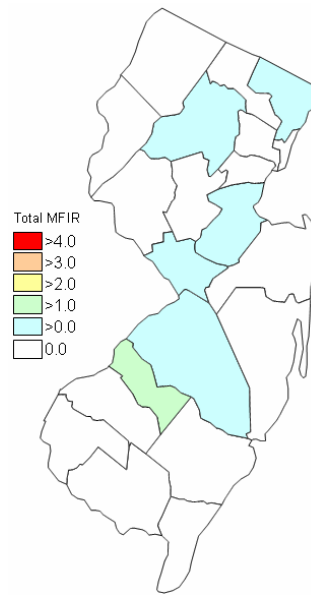
Essex	118	2415		
<i>Aedes albopictus</i>	4	6		
<i>Aedes japonicus</i>	11	37		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	7	12		
<i>Aedes vexans</i>	9	25		
<i>Anopheles punctipennis</i>	1	1		
<i>Culex</i> spp.	84	2331		
<i>Psorophora ferox</i>	1	2		
Gloucester	409	10021		
<i>Aedes albopictus</i>	25	337		
<i>Aedes atlanticus</i>	1	1		
<i>Aedes canadensis canadensis</i>	2	2		
<i>Aedes japonicus</i>	39	412		
<i>Aedes thibaulti</i>	1	4		
<i>Aedes triseriatus</i>	2	2		
<i>Aedes trivittatus</i>	1	75		
<i>Aedes vexans</i>	6	57		
<i>Anopheles barberi</i>	2	13		
<i>Anopheles crucians</i>	2	21		
<i>Anopheles punctipennis</i>	17	115		
<i>Anopheles quadrimaculatus</i>	21	73		
<i>Anopheles walkeri</i>	1	19		
<i>Coquillettidia perturbans</i>	2	2		
<i>Culex pipiens</i>	222	8455		
<i>Culex restuans</i>	18	106		
<i>Culex salinarius</i>	1	1		
<i>Culex territans</i>	4	9		
<i>Culiseta melanura</i>	42	317		
Hudson	109	5635	1	0.177
<i>Culex</i> spp.	109	5635	1	0.177
Hunterdon	122	6041		
<i>Aedes albopictus</i>	1	45		
<i>Culex</i> spp.	121	5996		
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	212	11362	1	0.088
<i>Aedes albopictus</i>	2	15		
<i>Aedes japonicus</i>	14	226		
<i>Culex</i> spp.	196	11121	1	0.090

Monmouth	309	2630	1	0.380
<i>Aedes albopictus</i>	18	92		
<i>Aedes canadensis canadensis</i>	17	150		
<i>Aedes cantator</i>	9	39		
<i>Aedes japonicus</i>	20	129		
<i>Aedes thibaulti</i>	1	1		
<i>Aedes triseriatus</i>	13	67		
<i>Aedes trivittatus</i>	6	6		
<i>Aedes vexans</i>	7	52		
<i>Anopheles punctipennis</i>	13	20		
<i>Anopheles quadrimaculatus</i>	2	2		
<i>Coquillettidia perturbans</i>	4	12		
<i>Culex erraticus</i>	1	2		
<i>Culex pipiens</i>	13	20		
<i>Culex restuans</i>	21	35		
<i>Culex spp.</i>	86	1806	1	0.554
<i>Culex territans</i>	6	9		
<i>Culiseta melanura</i>	71	187		
<i>Psorophora ferox</i>	1	1		
Morris	91	3762	1	0.266
<i>Aedes japonicus</i>	15	233		
<i>Aedes triseriatus</i>	2	9		
<i>Culex spp.</i>	74	3520	1	0.284
Ocean	291	5556		
<i>Aedes albopictus</i>	28	148		
<i>Aedes atlanticus</i>	3	6		
<i>Aedes canadensis canadensis</i>	30	849		
<i>Aedes cantator</i>	14	83		
<i>Aedes cinereus</i>	1	1		
<i>Aedes grossbecki</i>	1	1		
<i>Aedes japonicus</i>	31	203		
<i>Aedes sollicitans</i>	4	21		
<i>Aedes sticticus</i>	6	10		
<i>Aedes taeniorhynchus</i>	1	1		
<i>Aedes triseriatus</i>	16	65		
<i>Aedes trivittatus</i>	3	6		
<i>Aedes vexans</i>	25	110		
<i>Anopheles bradleyi</i>	5	14		
<i>Anopheles punctipennis</i>	8	10		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Coquillettidia perturbans</i>	6	14		
<i>Culex restuans</i>	3	3		
<i>Culex salinarius</i>	10	57		
<i>Culex spp.</i>	79	3888		
<i>Culiseta melanura</i>	10	24		
<i>Psorophora columbiae</i>	1	1		
<i>Psorophora ferox</i>	5	40		
Passaic	68	1486		
<i>Aedes albopictus</i>	2	10		
<i>Aedes canadensis canadensis</i>	1	20		
<i>Aedes japonicus</i>	14	229		
<i>Aedes triseriatus</i>	4	20		

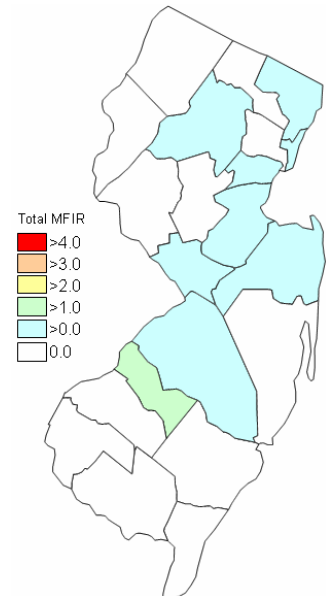
	<i>Anopheles punctipennis</i>	1	2		
	<i>Culex</i> spp.	46	1205		
Salem		89	1985		
	<i>Aedes albopictus</i>	6	26		
	<i>Aedes japonicus</i>	5	26		
	<i>Aedes triseriatus</i>	1	1		
	<i>Aedes vexans</i>	2	150		
	<i>Anopheles punctipennis</i>	8	33		
	<i>Anopheles quadrimaculatus</i>	7	127		
	<i>Coquillettidia perturbans</i>	2	64		
	<i>Culex erraticus</i>	3	45		
	<i>Culex restuans</i>	4	79		
	<i>Culex salinarius</i>	2	150		
	<i>Culex</i> spp.	23	1084		
	<i>Culex territans</i>	2	2		
	<i>Culiseta melanura</i>	24	198		
Somerset		130	3463		
	<i>Aedes albopictus</i>	5	8		
	<i>Aedes canadensis canadensis</i>	2	8		
	<i>Aedes japonicus</i>	18	325		
	<i>Aedes sticticus</i>	1	1		
	<i>Aedes triseriatus</i>	16	58		
	<i>Aedes trivittatus</i>	7	278		
	<i>Aedes vexans</i>	1	5		
	<i>Anopheles punctipennis</i>	5	14		
	<i>Anopheles quadrimaculatus</i>	3	7		
	<i>Coquillettidia perturbans</i>	3	4		
	<i>Culex</i> spp.	68	2752		
	<i>Psorophora ferox</i>	1	3		
Sussex		113	2697		
	<i>Aedes japonicus</i>	3	3		
	<i>Coquillettidia perturbans</i>	3	94		
	<i>Culex pipiens</i>	5	12		
	<i>Culex restuans</i>	6	190		
	<i>Culex salinarius</i>	7	31		
	<i>Culex</i> spp.	86	2354		
	<i>Culiseta melanura</i>	2	10		
	<i>Culiseta morsitans</i>	1	3		
Union		76	2809	2	0.712
	<i>Aedes albopictus</i>	4	8		
	<i>Aedes japonicus</i>	7	72		
	<i>Aedes sollicitans</i>	1	1		
	<i>Aedes vexans</i>	1	6		
	<i>Coquillettidia perturbans</i>	1	1		
	<i>Culex</i> spp.	62	2721	2	0.735
Warren		124	7974		
	<i>Culex</i> spp.	124	7974		
Grand Total		4296	111,038	16	0.144



Cumulative activity in 2008



Activity last week.



Recent Activity to 5 August 2009

Saint Louis Encephalitis (SLE) through 5 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		186	4480		
	<i>Aedes abserratus</i>	1	1		
	<i>Aedes albopictus</i>	19	89		
	<i>Aedes atlanticus</i>	1	1		
	<i>Aedes canadensis canadensis</i>	7	142		
	<i>Aedes cantator</i>	4	41		
	<i>Aedes cinereus</i>	1	6		
	<i>Aedes japonicus</i>	19	100		
	<i>Aedes sollicitans</i>	2	22		
	<i>Aedes sticticus</i>	1	41		
	<i>Aedes taeniorhynchus</i>	2	48		
	<i>Aedes triseriatus</i>	8	38		
	<i>Aedes trivittatus</i>	2	9		
	<i>Aedes vexans</i>	10	207		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles bradleyi</i>	2	18		
	<i>Anopheles crucians</i>	1	5		
	<i>Anopheles punctipennis</i>	4	16		
	<i>Anopheles quadrimaculatus</i>	1	6		
	<i>Coquillettidia perturbans</i>	13	224		
	<i>Culex pipiens</i>	1	75		
	<i>Culex restuans</i>	1	3		
	<i>Culex salinarius</i>	3	55		
	<i>Culex spp.</i>	64	2906		
	<i>Culex territans</i>	1	4		
	<i>Culiseta inornata</i>	1	2		
	<i>Culiseta melanura</i>	15	416		
	<i>Psorophora ferox</i>	1	4		
Camden		78	2764		
	<i>Aedes albopictus</i>	4	8		
	<i>Aedes japonicus</i>	7	20		
	<i>Aedes triseriatus</i>	1	1		
	<i>Aedes vexans</i>	1	1		
	<i>Culex pipiens</i>	2	95		
	<i>Culex spp.</i>	63	2639		
Cape May		452	9535		
	<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>	123	2335		
	<i>Culex restuans</i>	111	1358		

	<i>Culex salinarius</i>	4	25		
	<i>Culex spp.</i>	202	5673		
	<i>Culiseta melanura</i>	3	11		
Essex		118	2415		
	<i>Aedes albopictus</i>	4	6		
	<i>Aedes japonicus</i>	11	37		
	<i>Aedes sticticus</i>	1	1		
	<i>Aedes triseriatus</i>	7	12		
	<i>Aedes vexans</i>	9	25		
	<i>Anopheles punctipennis</i>	1	1		
	<i>Culex spp.</i>	84	2331		
	<i>Psorophora ferox</i>	1	2		
Hunterdon		18	900		
	<i>Culex spp.</i>	18	900		
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		
Grand Total		1195	26097		

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

La Crosse Encephalitis (LAC) through 5 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		125	497		
	<i>Aedes albopictus</i>	14	36		
	<i>Aedes japonicus</i>	77	348		
	<i>Aedes triseriatus</i>	33	105		
	<i>Culex restuans</i>	1	8		
Passaic		2	17		
	<i>Aedes triseriatus</i>	2	17		
Grand Total		127	514		