

**VECTOR SURVEILLANCE IN NEW JERSEY**  
**EEE and WNV**  
CDC WEEK 36: August 31 to September 06, 2008

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Mosquito Control Commission.

*Culiseta melanura* and Eastern Equine Encephalitis

SITE	Inland / Coastal	Historic Mean	Current Weekly Mean	Total Collected to Date*	Total Pools Submitted	EEE Isolations	MFIR
<b>Green Bank</b> (Burlington County)	Coastal	5.1	0.4	100	25		
<b>Corbin City</b> (Atlantic County)	Coastal	2.4	0.2	143	46		
<b>Dennisville</b> (Cape May County)	Coastal	7.0	0.7	434	42		
<b>Waterford</b> (Camden County)	Inland	1.8	0	0	0		
<b>Centerton</b> (Salem County)	Inland	4.4	0.4	224	36	1	4.46
<b>Turkey Swamp</b> (Monmouth County)	Inland	1.9	0.5	240	46		
<b>Glassboro</b> (Gloucester County)	Inland	no history	0.1	25	14		

\*Including trial run last week in May.

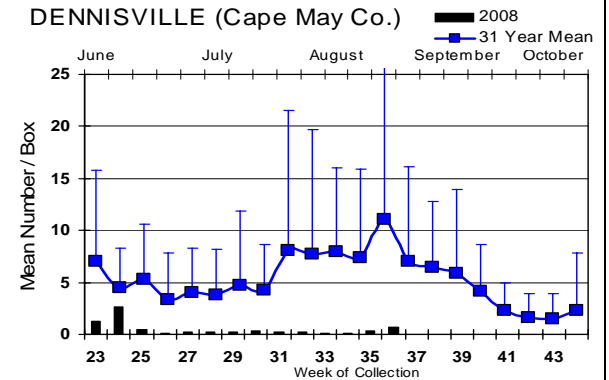
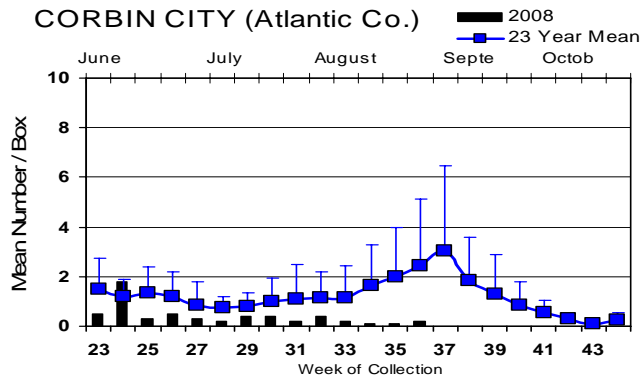
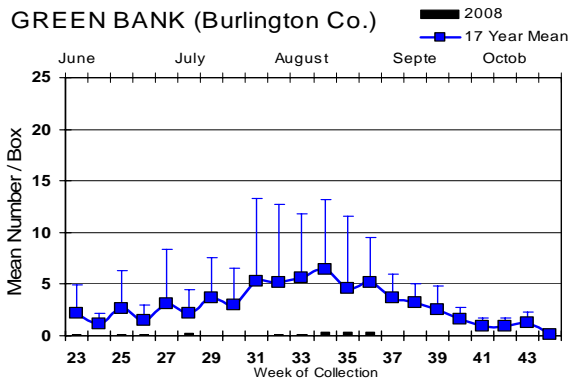
Remarks: PHEL announced that a pool positive for eastern equine encephalitis was detected at the Centerton resting box monitoring site in Salem County, collected on the 1<sup>st</sup> of September. A second positive pool was detected by the Cape May County Mosquito Control Division's lab in Cape May County, collected on the 29<sup>th</sup> of August. This second sample was not collected at the Dennisville monitoring site. Positive EEE pools are usually detected each year. Over the past several years, earlier detections (prior to the beginning of August) were associated with multiple horse cases. With mosquito populations at low levels, dissemination of EEE seems likely to spread slowly. Regardless, horse cases have occurred during low dissemination (i.e., 2006) and caution should be taken.

As horse cases can occur during periods of low dissemination, it is always prudent to be prepared. Horse cases often occur when horses have either no or an incomplete vaccination schedule. For inquiries on equine vaccinations, a guideline has been developed by the American Association of Equine Practitioners, and contains schedules for both EEE and WNV vaccinations: [http://www.aaep.org/vaccination\\_guidelines.htm](http://www.aaep.org/vaccination_guidelines.htm) Horse owners should also seek the advice of their veterinarian.

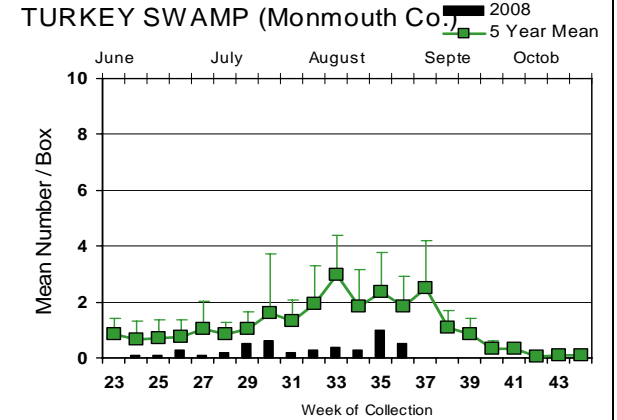
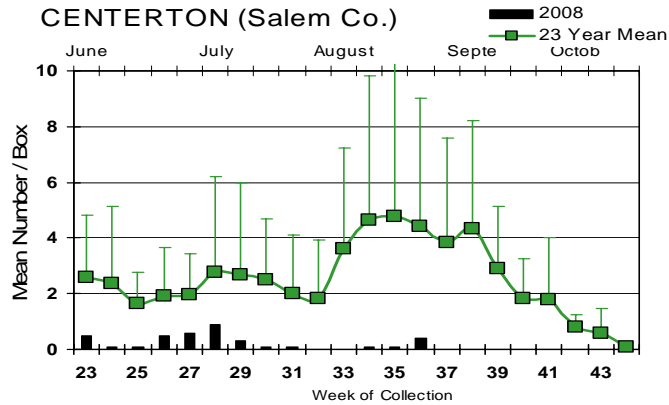
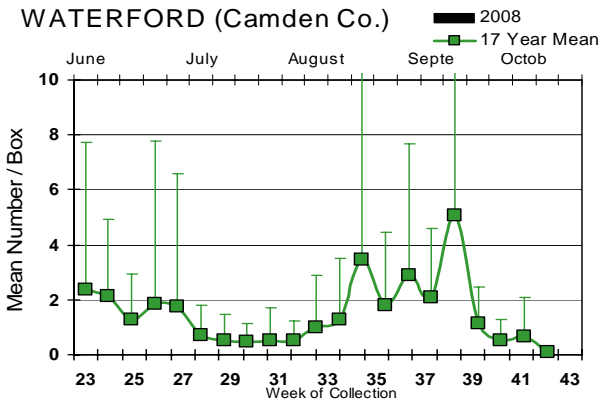
To date, 209 pools from 1166 *Cs. melanura* mosquitoes have been sent for EEE testing from the resting box collections. No positives have been detected from these pools or from pools submitted by the counties. An additional 317 pools of 2609 individual mosquitoes from 31 species other than *Cs. melanura* have also been tested and all pools were found to be negative. These species include: *Aedes albopictus*, *Ae. canadensis canadensis*, *Ae. cantator*, *Ae. cinereus*, *Ae. communis*, *Ae. grossbecki*, *Ae. japonicus*, *Ae. sollicitans*, *Ae. sticticus*, *Ae. taeniorhynchus*, *Ae. triseriatus*, *Ae. trivittatus*, *Ae. vexans*, *Anopheles bradleyi*, *An. crucians*, *An. punctipennis*, *An. quadrimaculatus*, *Coquillettia perturbans*, *Culex erraticus*, *Cx. pipiens*, *Cx. restuans*, *Cx. salinarius*, *Mixed Culex*, *Cx. territans*, *Culiseta inornata*, *Orthopodomyia signifera*, *Psorophora ciliata*, *Ps. columbiae*, *Ps. cyanoescens*, *Ps.*, *ferox*, *Ps. howardii* and *Uranotaenia sapphirina*.

# Culiseta melanura Population Graphs

## Coastal



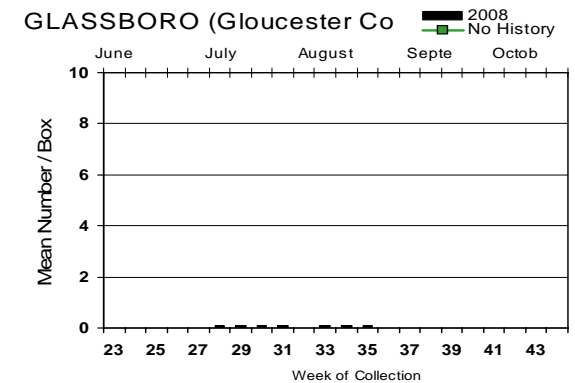
## Inland



Figures: Inland and coastal resting box sites showing current weekly population levels (in bars) against historical trends (lines with standard deviation). The number of years for historical population levels varies by site.

An additional inland resting box site has been added. This site is located near Glassboro, in Gloucester County. The location is in a wildlife management area, with box location in a mixed forest swamp (Red Maple/White Pine).

Low *Cs. melanura* populations continue. However, Green Bank, Corbin City, Dennisville and (most significant) Centerton numbers rose slightly from the previous week. A positive pool was detected at the Centerton site and also within Cape May County.



**EEE in US (2008 cumulative cases):** (Red = new reported cases occurring)

- equine: 2(AL), 82(FL) 22(GA) 3(LA) 6(MS) 6(NC) 3(SC) 1(TN) 1(WI)
- mosquito: 1(AR) 3(FL) 2(GA) 2(LA) 2(MA) 2(NJ) 2(MD) 4(VA)
- sentinel: 3(AL) 80(FL) 68(wild) 2(emu)(NC) emu(NH) 2(VA)
- human: 1(AL) 1(FL)

## West Nile Virus

**West Nile in US (2008 cumulative cases):** Single black values indicate no change from previous week. Black values / red values equals previous week/**New totals**. ? denotes probable cases.

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Alabama				1	3
Alaska					
Arizona	1/3	88/133	19/33		9/16
Arkansas		15		1	7
California	1456/1658	1244/1518	134/173	6/8	127/157
Colorado	3	43			40
Connecticut		126/147			2
Delaware		2+?	+		
Florida	3? live		2/4	1	1
Georgia		8			
Hawaii					
Idaho	2	6 counties		1	16/24
Illinois	9/15	228/336		1	4/5
Indiana	1	66			1
Iowa		4	1/2	1/2	6
Kansas					7
Kentucky		3			
Louisiana		600	9	1	7
Maine					
Maryland		3/5			1/2
Mass.	44/46	75/90			
Michigan	3	1			2
Minnesota	7	10			15
Mississippi		3		1/2	63/78
Missouri	29	184		1	5
Montana		5		3	2/4
Nebraska	4/5	59/67		1	13/23

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada	2	22/31		1	8/10
New Hampshire		1			
New Jersey	25/31	364/442			
New Mexico		1/3		1	3
New York	77	264		1	13
North Carolina				1	
North Dakota				1/4	23/34
Ohio	2/7	81/129			2
Oklahoma		12			6
Oregon	1	6/12			4
Pennsylvania	10/12	355/390			1/5
Rhode Island		1			
South Carolina	3	5			
South Dakota	1	38		3	28
Tennessee		393/463			8
Texas		89/90		1	19/23
Utah	2	110/117	2	2	8/14
Vermont		1			
Virginia		358/484	1		
Washington	4	22/23		11/17	
West Virginia	2	10		2	1
Wisconsin	19/23			2	2/3
Wyoming		10			2

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) tests mosquito pools using RT-PCR Taqman techniques.

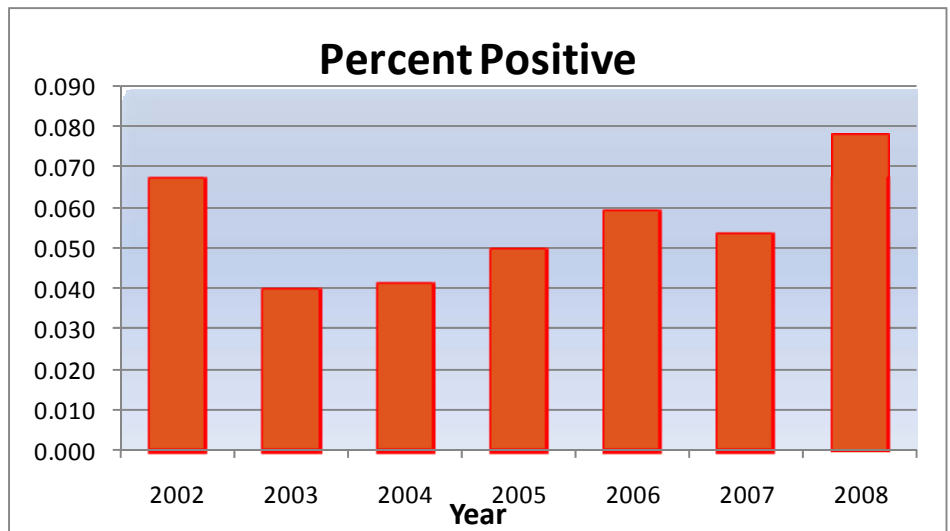
### Mosquito Species Submitted for West Nile Virus Testing through 08 September 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	675	6609	2	0.30
<i>Aedes atlanticus</i>	1	4		
<i>Aedes atropalpus</i>	1	1		
<i>Aedes canadensis canadensis</i>	56	1243		
<i>Aedes cantator</i>	25	359		
<i>Aedes cinereus</i>	3	5		
<i>Aedes communis</i>	1	1		
<i>Aedes grossbecki</i>	3	4		
<i>Aedes japonicus</i>	300	1507	1	0.66
<i>Aedes sollicitans</i>	22	245		
<i>Aedes sticticus</i>	6	86		
<i>Aedes stimulans</i>	1	1		

<i>Aedes taeniorhynchus</i>	18	284		
<i>Aedes thibaulti</i>	5	13		
<i>Aedes triseriatus</i>	152	420		
<i>Aedes trivittatus</i>	10	57		
<i>Aedes vexans</i>	179	2809		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	46	854		
<i>Anopheles crucians</i>	5	6		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	117	726		
<i>Anopheles quadrimaculatus</i>	103	1401		
<i>Coquillettidia perturbans</i>	91	909		
<i>Culex erraticus</i>	61	367		
<i>Culex pipiens</i>	544	13683	72	5.26
<i>Culex restuans</i>	244	3698	1	0.27
<i>Culex salinarius</i>	173	6071	2	0.33
<i>Culex spp.</i>	2124	83865	364	4.34
<i>Culex territans</i>	54	183		
<i>Culiseta inornata</i>	2	4		
<i>Culiseta melanura</i>	260	1496		
<i>Orthopodomyia signifera</i>	11	20		
<i>Psorophora ciliata</i>	6	50		
<i>Psorophora columbiae</i>	21	70		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	24	129		
<i>Psorophora howardii</i>	4	11		
<i>Uranotaenia sapphirina</i>	15	74		
<b>Grand Total</b>	<b>5369</b>	<b>127279</b>	<b>442</b>	<b>3.47</b>

**Remarks:** Submitted pools (5,369) comprised of 127,279 individual mosquitoes produced 442 positive pools from 17 different counties.

Recently, we have noticed a significant upswing in WNV positive pools. The graph to the right indicates the proportion of positive pools to the total number of mosquitoes submitted to PHEL (ie, amount of virus versus effort) over the past seven years. Previously our most significant year was 2002, when there was a wide diversity in the number of species that were positive (17) plus significant virus activity. This year, to this point in time (week 36), there is more activity than in the previous six years, but this is confined largely to the *Culex* species.



**Humans, Horses and Wild Birds:** To date, there have been 137 dead birds submitted for West Nile virus testing with 33 positives. Last year, there were 23 positive birds from 153 submissions to this point in time.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
442 / 5,369	246 / 4,623

### WNV Results by County through 08 September 2008

<b>County</b>	<b>Species</b>	<b>Pools</b>	<b>Mosquitoes</b>	<b>Positives</b>	<b>MFIR</b>
<b>Atlantic</b>		<b>239</b>	<b>4993</b>	<b>7</b>	<b>1.40</b>
	<i>Aedes albopictus</i>	27	685		
	<i>Aedes canadensis canadensis</i>	3	12		
	<i>Aedes cantator</i>	2	16		
	<i>Aedes japonicus</i>	5	6		
	<i>Aedes sollicitans</i>	5	84		
	<i>Aedes taeniorhynchus</i>	12	260		
	<i>Aedes thibaulti</i>	4	8		
	<i>Aedes triseriatus</i>	5	14		
	<i>Aedes vexans</i>	12	228		
	<i>Anopheles bradleyi</i>	6	26		
	<i>Anopheles punctipennis</i>	3	3		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Coquillettidia perturbans</i>	5	42		
	<i>Culex erraticus</i>	5	100		
	<i>Culex pipiens</i>	1	17		
	<i>Culex restuans</i>	10	353		
	<i>Culex salinarius</i>	3	3		
	<i>Culex sp.</i>	67	2949	7	2.37
	<i>Culex territans</i>	9	22		
	<i>Culiseta melanura</i>	50	149		
	<i>Orthopodomyia signifera</i>	2	2		
	<i>Psorophora ferox</i>	2	13		
<b>Bergen</b>		<b>466</b>	<b>21051</b>	<b>108</b>	<b>5.13</b>
	<i>Aedes albopictus</i>	23	118		
	<i>Aedes canadensis canadensis</i>	1	6		
	<i>Aedes japonicus</i>	25	150		
	<i>Aedes sollicitans</i>	1	1		
	<i>Aedes triseriatus</i>	11	39		
	<i>Aedes vexans</i>	14	85		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles bradleyi</i>	2	4		
	<i>Anopheles punctipennis</i>	4	31		
	<i>Coquillettidia perturbans</i>	22	171		
	<i>Culex pipiens</i>	79	2873	14	4.87
	<i>Culex restuans</i>	30	317		
	<i>Culex salinarius</i>	83	4793	1	0.21
	<i>Culex spp.</i>	168	12460	93	7.46
	<i>Culex territans</i>	1	1		
	<i>Orthopodomyia signifera</i>	1	1		
<b>Burlington</b>		<b>328</b>	<b>2763</b>		
	<i>Aedes albopictus</i>	30	368		
	<i>Aedes canadensis canadensis</i>	21	598		
	<i>Aedes cantator</i>	4	148		
	<i>Aedes cinereus</i>	1	3		
	<i>Aedes grossbecki</i>	1	1		
	<i>Aedes japonicus</i>	15	39		
	<i>Aedes sollicitans</i>	1	18		
	<i>Aedes sticticus</i>	2	5		
	<i>Aedes taeniorhynchus</i>	1	2		

<i>Aedes triseriatus</i>	13	40		
<i>Aedes trivittatus</i>	1	2		
<i>Aedes vexans</i>	40	386		
<i>Anopheles bradleyi</i>	2	6		
<i>Anopheles crucians</i>	5	6		
<i>Anopheles punctipennis</i>	16	38		
<i>Anopheles quadrimaculatus</i>	11	20		
<i>Coquillettidia perturbans</i>	21	236		
<i>Culex erraticus</i>	4	4		
<i>Culex pipiens</i>	3	20		
<i>Culex restuans</i>	5	29		
<i>Culex salinarius</i>	2	2		
<i>Culex sp.</i>	52	499		
<i>Culex territans</i>	6	12		
<i>Culiseta inornata</i>	1	3		
<i>Culiseta melanura</i>	43	216		
<i>Orthopodomyia signifera</i>	3	11		
<i>Psorophora ciliata</i>	3	6		
<i>Psorophora columbiae</i>	9	27		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	4	5		
<i>Psorophora howardii</i>	1	3		
<i>Uranotaenia sapphirina</i>	6	9		
<b>Camden</b>	<b>163</b>	<b>2959</b>	<b>11</b>	<b>3.72</b>
<i>Aedes albopictus</i>	32	270		
<i>Aedes canadensis canadensis</i>	1	19		
<i>Aedes cantator</i>	1	22		
<i>Aedes japonicus</i>	14	31		
<i>Aedes triseriatus</i>	2	2		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	7	144		
<i>Anopheles punctipennis</i>	7	31		
<i>Anopheles quadrimaculatus</i>	7	12		
<i>Coquillettidia perturbans</i>	4	16		
<i>Culex erraticus</i>	2	8		
<i>Culex pipiens</i>	13	530		
<i>Culex restuans</i>	19	519		
<i>Culex salinarius</i>	4	15		
<i>Culex sp.</i>	45	1334	11	8.25
<i>Culiseta melanura</i>	1	1		
<i>Orthopodomyia signifera</i>	2	3		
<i>Psorophora columbiae</i>	1	1		
<b>Cape May</b>	<b>280</b>	<b>4825</b>		
<i>Aedes albopictus</i>	3	7		
<i>Aedes canadensis canadensis</i>	4	71		
<i>Aedes cantator</i>	8	82		
<i>Aedes japonicus</i>	6	15		
<i>Aedes sollicitans</i>	3	81		
<i>Aedes taeniorhynchus</i>	2	8		
<i>Aedes triseriatus</i>	1	1		
<i>Aedes vexans</i>	2	13		
<i>Anopheles bradleyi</i>	19	527		
<i>Anopheles punctipennis</i>	8	103		
<i>Anopheles quadrimaculatus</i>	17	559		

<i>Coquillettidia perturbans</i>	4	28		
<i>Culex erraticus</i>	5	18		
<i>Culex pipiens</i>	54	1107		
<i>Culex restuans</i>	62	992		
<i>Culex salinarius</i>	12	426		
<i>Culex sp.</i>	23	335		
<i>Culex territans</i>	3	11		
<i>Culiseta melanura</i>	44	441		
<b>Cumberland</b>	<b>165</b>	<b>1862</b>	<b>6</b>	<b>3.22</b>
<i>Aedes albopictus</i>	30	120		
<i>Aedes japonicus</i>	15	37		
<i>Aedes triseriatus</i>	8	12		
<i>Aedes vexans</i>	3	38		
<i>Anopheles bradleyi</i>	1	1		
<i>Anopheles punctipennis</i>	4	10		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex erraticus</i>	7	19		
<i>Culex pipiens</i>	11	139	2	14.39
<i>Culex restuans</i>	4	52	1	19.23
<i>Culex salinarius</i>	2	2		
<i>Culex spp.</i>	69	1358	3	2.21
<i>Culex territans</i>	2	5		
<i>Culiseta melanura</i>	3	62		
<i>Psorophora columbiae</i>	1	2		
<i>Psorophora ferox</i>	1	1		
<i>Psorophora howardii</i>	1	1		
<i>Uranotaenia sapphirina</i>	1	1		
<b>Essex</b>	<b>267</b>	<b>3645</b>	<b>30</b>	<b>8.23</b>
<i>Aedes albopictus</i>	71	465		
<i>Aedes japonicus</i>	20	77	1	12.99
<i>Aedes triseriatus</i>	19	33		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	10	38		
<i>Anopheles punctipennis</i>	5	5		
<i>Anopheles quadrimaculatus</i>	4	11		
<i>Coquillettidia perturbans</i>	2	2		
<i>Culex pipiens</i>	1	75	1	13.33
<i>Culex restuans</i>	1	14		
<i>Culex spp.</i>	126	2913	28	9.61
<i>Culex territans</i>	6	10		
<i>Psorophora columbiae</i>	1	1		
<b>Gloucester</b>	<b>440</b>	<b>8776</b>	<b>36</b>	<b>4.10</b>
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	39	341		
<i>Aedes canadensis canadensis</i>	7	245		
<i>Aedes communis</i>	1	1		

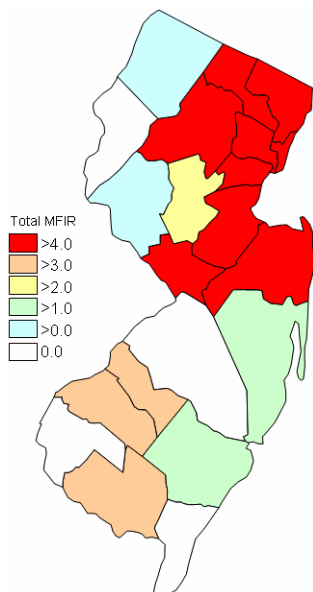
<i>Aedes japonicus</i>	20	117		
<i>Aedes sollicitans</i>	1	2		
<i>Aedes thibaulti</i>	1	5		
<i>Aedes triseriatus</i>	6	16		
<i>Aedes vexans</i>	8	259		
<i>Anopheles bradleyi</i>	4	86		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	17	63		
<i>Anopheles quadrimaculatus</i>	19	42		
<i>Coquillettidia perturbans</i>	6	36		
<i>Culex erraticus</i>	3	39		
<i>Culex pipiens</i>	242	6725	36	5.35
<i>Culex restuans</i>	17	584		
<i>Culex salinarius</i>	6	34		
<i>Culex territans</i>	7	49		
<i>Culiseta melanura</i>	29	91		
<i>Psorophora ferox</i>	3	9		
<i>Uranotaenia sapphirina</i>	2	22		
<b>Hudson</b>	<b>143</b>	<b>6945</b>	<b>45</b>	<b>6.48</b>
<i>Culex spp.</i>	143	6945	45	6.48
<b>Hunterdon</b>	<b>190</b>	<b>9112</b>	<b>3</b>	<b>0.33</b>
<i>Aedes albopictus</i>	2	11		
<i>Aedes japonicus</i>	1	6		
<i>Aedes trivittatus</i>	1	18		
<i>Aedes vexans</i>	1	50		
<i>Anopheles punctipennis</i>	1	50		
<i>Anopheles quadrimaculatus</i>	2	25		
<i>Culex erraticus</i>	1	10		
<i>Culex spp.</i>	180	8941	3	0.34
<i>Culiseta inornata</i>	1	1		
<b>Mercer</b>	<b>337</b>	<b>3524</b>	<b>22</b>	<b>6.24</b>
<i>Aedes albopictus</i>	148	1580	1	0.63
<i>Aedes atropalpus</i>	1	1		
<i>Aedes japonicus</i>	47	88		
<i>Aedes stimulans</i>	1	1		
<i>Aedes triseriatus</i>	17	37		
<i>Aedes vexans</i>	3	13		
<i>Culex erraticus</i>	14	40		
<i>Culex pipiens</i>	58	1229	17	13.83
<i>Culex restuans</i>	22	102		
<i>Culex salinarius</i>	12	161		
<i>Culex spp.</i>	11	267	4	14.98
<i>Culex territans</i>	1	1		
<i>Orthopodomyia signifera</i>	1	1		
<i>Psorophora columbiae</i>	1	3		
<b>Middlesex</b>	<b>294</b>	<b>7118</b>	<b>42</b>	<b>5.90</b>
<i>Aedes albopictus</i>	28	276		
<i>Aedes japonicus</i>	11	52		
<i>Aedes triseriatus</i>	4	16		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	21	512		



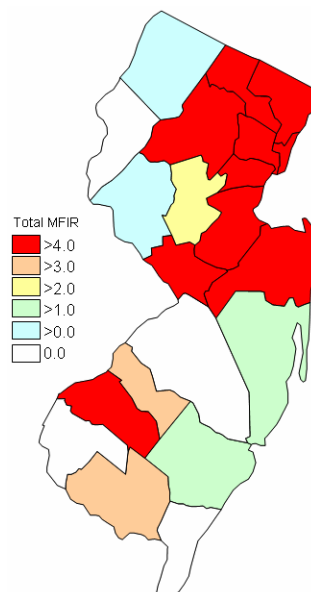
	<i>Culex erraticus</i>	1	1		
	<i>Culex pipiens</i>	22	214	1	4.67
	<i>Culex restuans</i>	10	135		
	<i>Culex salinarius</i>	14	324	1	3.09
	<i>Culex spp.</i>	171	5517	40	7.25
	<i>Culex territans</i>	3	10		
	<i>Psorophora ciliata</i>	3	44		
	<i>Psorophora columbiae</i>	1	4		
	<i>Psorophora ferox</i>	1	1		
	<i>Psorophora howardii</i>	1	3		
	<i>Uranotaenia sapphirina</i>	2	8		
<b>Monmouth</b>		<b>419</b>	<b>4740</b>	<b>24</b>	<b>5.06</b>
	<i>Aedes albopictus</i>	73	450		
	<i>Aedes canadensis canadensis</i>	3	18		
	<i>Aedes cantator</i>	4	5		
	<i>Aedes japonicus</i>	16	28		
	<i>Aedes sollicitans</i>	8	36		
	<i>Aedes taeniorhynchus</i>	3	14		
	<i>Aedes triseriatus</i>	7	14		
	<i>Aedes trivittatus</i>	2	3		
	<i>Aedes vexans</i>	18	110		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles punctipennis</i>	10	13		
	<i>Anopheles quadrimaculatus</i>	5	6		
	<i>Coquillettidia perturbans</i>	4	5		
	<i>Culex erraticus</i>	4	31		
	<i>Culex pipiens</i>	46	475		
	<i>Culex restuans</i>	33	218		
	<i>Culex salinarius</i>	12	36		
	<i>Culex spp.</i>	120	3020	24	7.95
	<i>Culex territans</i>	8	40		
	<i>Culiseta melanura</i>	42	217		
<b>Morris</b>		<b>175</b>	<b>6413</b>	<b>30</b>	<b>4.68</b>
	<i>Aedes japonicus</i>	4	25		
	<i>Aedes triseriatus</i>	1	3		
	<i>Coquillettidia perturbans</i>	1	50		
	<i>Culex spp.</i>	169	6335	30	4.74
<b>Ocean</b>		<b>274</b>	<b>5087</b>	<b>9</b>	<b>1.77</b>
	<i>Aedes albopictus</i>	71	1202	1	0.83
	<i>Aedes canadensis canadensis</i>	6	80		
	<i>Aedes cantator</i>	1	9		
	<i>Aedes japonicus</i>	20	45		
	<i>Aedes sollicitans</i>	2	22		
	<i>Aedes triseriatus</i>	10	22		
	<i>Aedes vexans</i>	12	45		
	<i>Anopheles bradleyi</i>	2	2		
	<i>Anopheles punctipennis</i>	6	10		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Coquillettidia perturbans</i>	4	15		
	<i>Culex pipiens</i>	7	247	1	4.05
	<i>Culex restuans</i>	15	245		
	<i>Culex salinarius</i>	13	92		
	<i>Culex sp.</i>	88	2950	7	2.37

	<i>Culex territans</i>	1	1		
	<i>Culiseta melanura</i>	10	84		
	<i>Psorophora ferox</i>	5	15		
<b>Passaic</b>		<b>87</b>	<b>3272</b>	<b>27</b>	<b>8.25</b>
	<i>Aedes albopictus</i>	6	40		
	<i>Aedes japonicus</i>	6	70		
	<i>Aedes triseriatus</i>	1	2		
	<i>Anopheles punctipennis</i>	1	5		
	<i>Culex spp.</i>	73	3155	27	8.56
<b>Salem</b>		<b>283</b>	<b>3547</b>		
	<i>Aedes albopictus</i>	21	78		
	<i>Aedes atlanticus</i>	1	4		
	<i>Aedes canadensis canadensis</i>	7	181		
	<i>Aedes cantator</i>	5	77		
	<i>Aedes grossbecki</i>	2	3		
	<i>Aedes japonicus</i>	11	27		
	<i>Aedes sollicitans</i>	1	1		
	<i>Aedes sticticus</i>	3	80		
	<i>Aedes triseriatus</i>	13	29		
	<i>Aedes vexans</i>	17	839		
	<i>Anopheles bradleyi</i>	10	202		
	<i>Anopheles punctipennis</i>	26	349		
	<i>Anopheles quadrimaculatus</i>	32	720		
	<i>Coquillettidia perturbans</i>	8	92		
	<i>Culex erraticus</i>	15	97		
	<i>Culex pipiens</i>	3	6		
	<i>Culex restuans</i>	9	21		
	<i>Culex salinarius</i>	9	179		
	<i>Culex spp.</i>	32	187		
	<i>Culex territans</i>	7	21		
	<i>Culiseta melanura</i>	38	235		
	<i>Psorophora columbiae</i>	4	27		
	<i>Psorophora ferox</i>	6	83		
	<i>Psorophora howardii</i>	1	4		
	<i>Uranotaenia sapphirina</i>	2	5		
<b>Somerset</b>		<b>194</b>	<b>3411</b>	<b>10</b>	<b>2.93</b>
	<i>Aedes albopictus</i>	13	52		
	<i>Aedes canadensis canadensis</i>	1	2		
	<i>Aedes japonicus</i>	32	272		
	<i>Aedes triseriatus</i>	29	125		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles punctipennis</i>	5	5		
	<i>Anopheles quadrimaculatus</i>	2	2		
	<i>Culex pipiens</i>	2	22		
	<i>Culex restuans</i>	2	19		
	<i>Culex spp.</i>	105	2909	10	3.44
	<i>Orthopodomyia signifera</i>	2	2		
<b>Sussex</b>		<b>258</b>	<b>10324</b>	<b>3</b>	<b>0.29</b>
	<i>Aedes canadensis canadensis</i>	2	11		

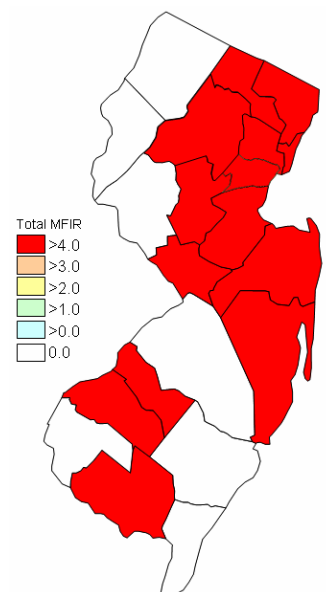
<i>Aedes cinereus</i>	2	2		
<i>Aedes japonicus</i>	23	362		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	3	13		
<i>Aedes trivittatus</i>	3	31		
<i>Aedes vexans</i>	4	32		
<i>Anopheles punctipennis</i>	3	8		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Coquillettidia perturbans</i>	9	215		
<i>Culex pipiens</i>	2	4		
<i>Culex restuans</i>	4	96		
<i>Culex salinarius</i>	1	4		
<i>Culex spp.</i>	197	9514	3	0.32
<i>Psorophora ferox</i>	1	1		
<i>Uranotaenia sapphirina</i>	2	29		
<b>Union</b>	<b>174</b>	<b>4102</b>	<b>29</b>	<b>7.07</b>
<i>Aedes albopictus</i>	58	546		
<i>Aedes japonicus</i>	7	11		
<i>Aedes triseriatus</i>	2	2		
<i>Aedes vexans</i>	7	17		
<i>Anopheles punctipennis</i>	1	2		
<i>Culex restuans</i>	1	2		
<i>Culex spp.</i>	94	3516	29	8.25
<i>Psorophora columbiae</i>	3	5		
<i>Psorophora ferox</i>	1	1		
<b>Warren</b>	<b>193</b>	<b>8810</b>		
<i>Aedes japonicus</i>	2	49		
<i>Culex spp.</i>	191	8761		
<b>Grand Total</b>	<b>5369</b>	<b>127279</b>	<b>442</b>	<b>3.47</b>



Cumulative activity to last week



Cumulative activity to this week



Recent Activity 8/17 to 9/08

**RAMP (Rapid Analyte Measurement Platform).** More than half of the counties in New Jersey are incorporating the use of RAMP results in their vector surveillance programs. Counties participate with the PHEL Lab in monitoring the efficacy and sensitivity of the RAMP results by sending in samples to be confirmed. Note that not all samples done by the counties are sent in to PHEL and therefore the number of pools submitted can differ from the number of pools reported by the counties.

Note: PHEL reported additional positive RAMP pools for data not currently in the database. This table will be updated to include those positives when the database is up to date.

RAMP Results for 08 September 2008

County	Species	Pools	Mosquitoes	Positives	PHEL (pools submitted/+/-)
<b>Monmouth</b>		<b>75</b>	<b>671</b>		
	<i>Aedes albopictus</i>	4	11		
	<i>Aedes canadensis</i>	8	38		
	<i>Aedes cantator</i>	3	13		
	<i>Aedes japonicus</i>	11	42		
	<i>Aedes triseriatus</i>	1	1		
	<i>Anopheles punctipennis</i>	3	6		
	<i>Coquillettidia perturbans</i>	1	1		
	<i>Culex spp.</i>	2	2		
	<i>Culiseta melanura</i>	1	1		
<b>Warren</b>		<b>51</b>	<b>1968</b>		
	<i>Aedes japonicus</i>	3	33		
	<i>Aedes triseriatus</i>	1	1		
	<i>Aedes vexans</i>	1	2		
	<i>Culex restuans</i>	1	4		
	<i>Culex spp.</i>	45	1928	2	9/0/2