

**VECTOR SURVEILLANCE IN NEW JERSEY**  
**EEE and WNV**  
CDC WEEK 34: August 17 to August 23, 2008

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*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	6.5	0.3	55	20		
<b>Corbin City</b> (Atlantic County)	Coastal	1.7	0.1	136	42		
<b>Dennisville</b> (Cape May County)	Coastal	7.4	< 0.1	379	34		
<b>Waterford</b> (Camden County)	Inland	1.3	0	0	0		
<b>Centerton</b> (Salem County)	Inland	4.6	< 0.1	191	29		
<b>Turkey Swamp</b> (Monmouth County)	Inland	1.8	0.3	168	38		
<b>Glassboro</b> (Gloucester County)	Inland	no history	0.1	14	9		

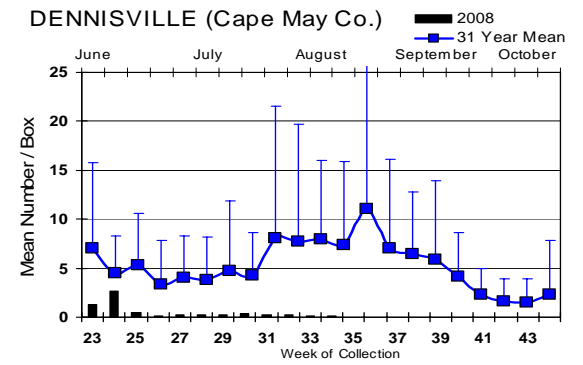
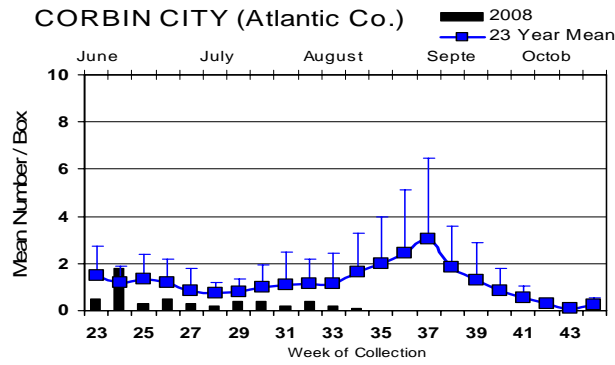
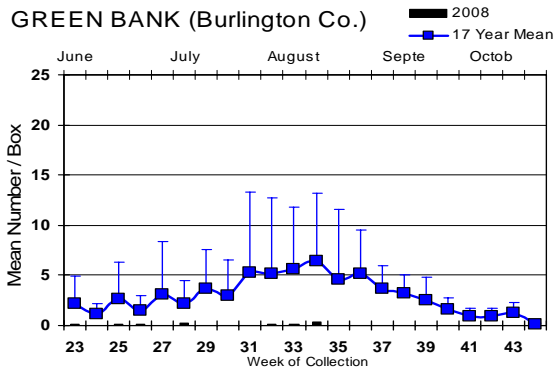
\*Including trial run last week in May.

Remarks: *Culiseta melanura* continue to be very low compared to historical trends. No detection of EEE activity has been found at any of the inland or coastal monitoring sites. Cold fronts are predicted to cover New Jersey by the end of the week, perhaps counteracting any effects of precipitation anticipated by Tropical Storm Fay's arrival a few days earlier. Although no positive EEE pools have been detected, previous years have shown that positive pools can occur even when *Cs. melanura* populations are at what would seem very low levels. Sudden changes in climate and habitat can increase the population to levels high enough to accommodate virus amplification. This occurred at the Dennisville site in 1981. Fortunately, subsequent colder temperatures brought the mosquito season to an end.

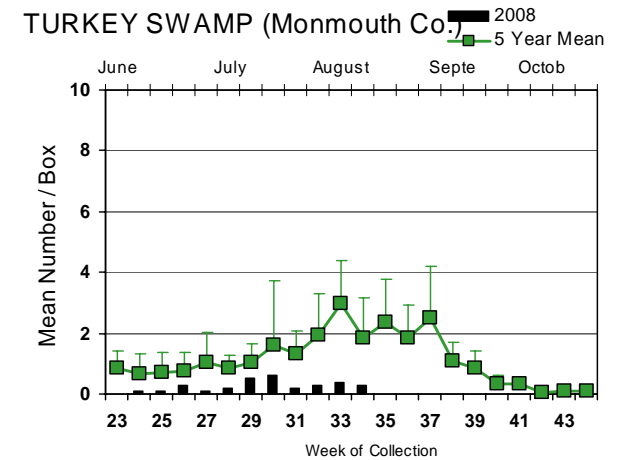
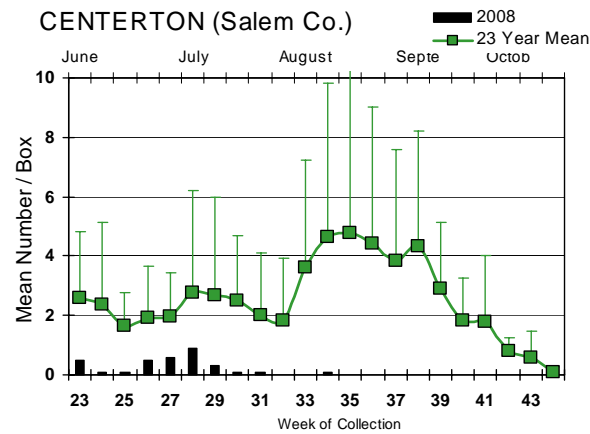
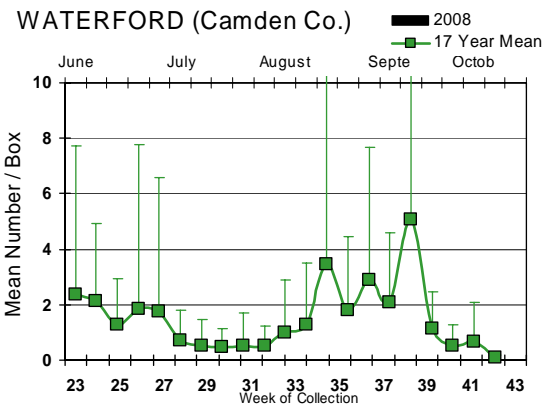
To date, 172 pools from 943 *Cs. melanura* mosquitoes have been sent for EEE testing from the resting box collections. No positives have been detected from these pools or from pools submitted by the counties. An additional 257 pools of 2140 individual mosquitoes from 30 species other than *Cs. melanura* 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. vexans*, *Anopheles bradleyi*, *An. crucians*, *An. punctipennis*, *An. quadrimaculatus*, *Coquillettidia perturbans*, *Culex erraticus*, *Cx. pipiens*, *Cx. restuans*, *Cx.*, *salinarius*, *Mixed Culex*, *Cx. territans*, *Culiseta inornata*, *Orthopodomyia signifera*, *Psorophora ciliata*, *Ps. columbiae*, *Ps. cyanescens*, *Ps.*, *ferox*, *Ps. howardii* and *Uranotaenia sapphirina*.

# Culiseta melanura Population Graphs

## Coastal



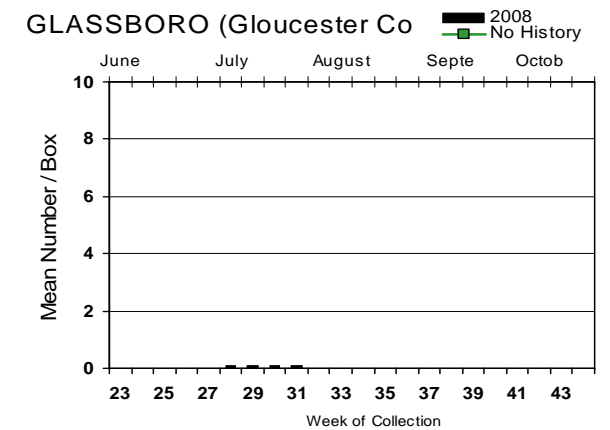
## Inland



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).

Very low *Cs. melanura* populations are the hallmark of this season, to date.



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

- equine: 2(AL), 80(FL), 20(GA) 3(LA) 6(MS) 1(TN) 1(WI)
- mosquito: 3(FL), 2(GA), 2(LA), 2(MA), 1(VA)
- sentinel: 3(AL), 73(FL, 59 wild), 2(NC)
- human: 1(AL)

## 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	1
Alaska					
Arizona	1	65/88	17/19		5
Arkansas		11		1	4
California	1135/1295	906/1101	63/109	5	73/97
Colorado	3	17/27			18/31
Connecticut		80/104			1
Delaware					
Florida	3 live		2	1	
Georgia		8			
Hawaii					
Idaho	2	6 counties		1	12/16
Illinois	7/8	119/200		1	1/4
Indiana	1	21			
Iowa		2/3		1	1/3
Kansas					
Kentucky					
Louisiana		414/600		1	5/7
Maine					
Maryland		2/3			1?
Mass.	26/39	39/52			
Michigan	2/3	1			1
Minnesota	4	3/10			9/12
Mississippi		3		1	42/57
Missouri	29/30	153/167		1	3?
Montana		3		3	1
Nebraska	3	44			5/10

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada		13/22			2
New Hampshire					
New Jersey	18/21	237/313			
New Mexico		1		1	1
New York	25	135/209			2/4
North Carolina				1	
North Dakota				1	14/18
Ohio		15			1
Oklahoma		1/12			5
Oregon	1	4/6			3
Pennsylvania	4/9	193/237			1
Rhode Island					
South Carolina	3				
South Dakota	1	30		1	11
Tennessee		246/342			6/8
Texas		57/82			13/16
Utah	2	52/89	1	2	5
Vermont		1			
Virginia		97/254			
Washington		13/18		5/9	
West Virginia	2	10		2	1
Wisconsin	11/14			1/2	1
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.

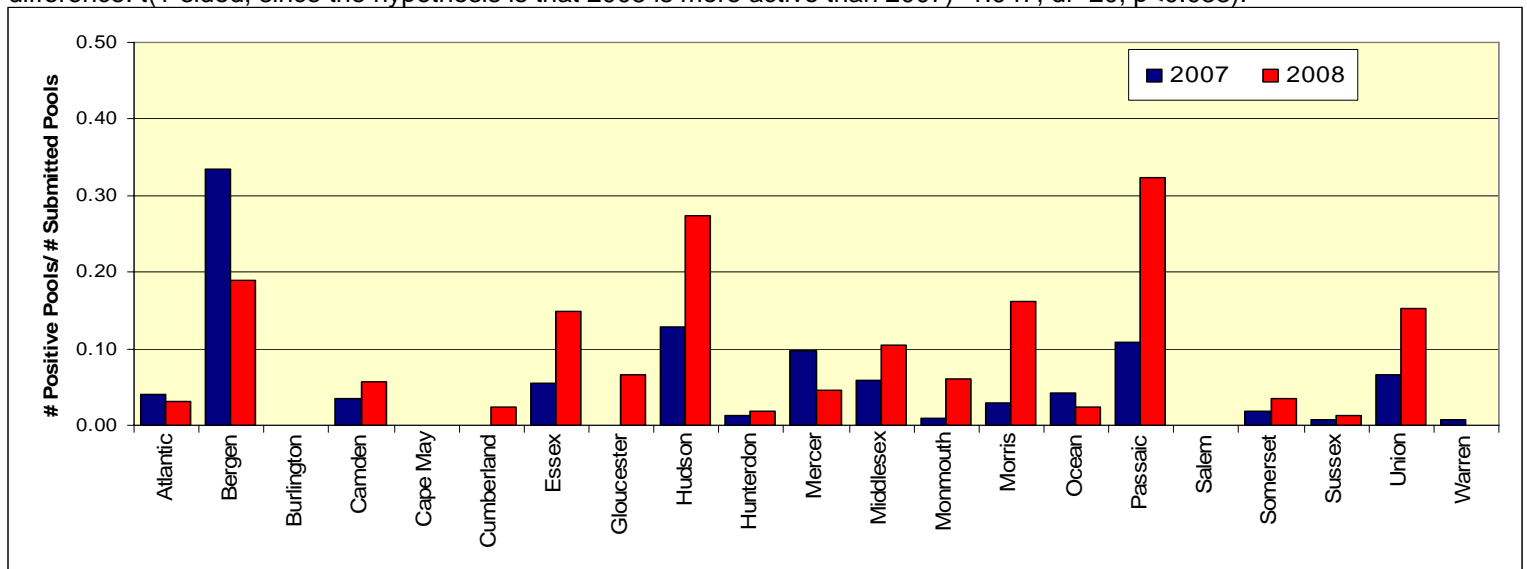
### Mosquito Species Submitted for West Nile Virus Testing through 25 August 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	525	4746	2	0.42
<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>	1	3		
<i>Aedes communis</i>	1	1		
<i>Aedes grossbecki</i>	3	4		
<i>Aedes japonicus</i>	252	1279	1	0.78
<i>Aedes sollicitans</i>	20	242		
<i>Aedes sticticus</i>	6	86		
<i>Aedes stimulans</i>	1	1		

<i>Aedes taeniorhynchus</i>	15	272		
<i>Aedes thibaulti</i>	5	13		
<i>Aedes triseriatus</i>	122	362		
<i>Aedes trivittatus</i>	6	26		
<i>Aedes vexans</i>	151	2603		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	42	776		
<i>Anopheles crucians</i>	3	4		
<i>Anopheles punctipennis</i>	102	602		
<i>Anopheles quadrimaculatus</i>	81	1148		
<i>Coquillettidia perturbans</i>	81	882		
<i>Culex erraticus</i>	46	281		
<i>Culex pipiens</i>	421	10599	46	4.34
<i>Culex restuans</i>	201	3342	1	0.30
<i>Culex salinarius</i>	138	4395	1	0.23
<i>Culex spp.</i>	1752	70827	279	3.94
<i>Culex territans</i>	38	101		
<i>Culiseta inornata</i>	2	4		
<i>Culiseta melanura</i>	221	1264		
<i>Orthopodomyia signifera</i>	9	18		
<i>Psorophora ciliata</i>	5	46		
<i>Psorophora columbiae</i>	16	51		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	21	126		
<i>Psorophora howardii</i>	4	11		
<i>Uranotaenia sapphirina</i>	13	72		
<b>Grand Total</b>	<b>4392</b>	<b>105807</b>	<b>330</b>	<b>3.12</b>

**Remarks:** Submitted pools (4,655) comprised of 105,807 individual mosquitoes produced 330 positive pools from 17 different counties. An additional *Ae. albopictus* pool was positive.

Is 2008 hotter than last year? The total number of positive pools to date might be misleading if the amount of effort getting those pools is not the same from one year to the next. To reduce this bias, I divided the number of positive pools by the total submitted for testing by each county. The graph below shows that most counties, to this date as compared with last year, are finding more positive pools per effort. Indeed, a paired t-test testing if county values are higher this year than last shows a significant difference:  $t(1\text{-sided, since the hypothesis is that 2008 is more active than 2007})=1.947, df=20, p<0.033$ .



**Humans, Horses and Wild Birds:** To date, there have been 120 dead birds submitted for West Nile virus testing with 21 positives. Last year, there were only 13 positive birds through 135 submissions.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
330 / 4,392	188 / 3,708

### WNV Results by County through 26 August 2008

County	Species	Pools	Mosquitoes	Positives	MFIR
<b>Atlantic</b>		<b>210</b>	<b>4550</b>	<b>7</b>	<b>1.54</b>
	<i>Aedes albopictus</i>	22	590		
	<i>Aedes canadensis canadensis</i>	3	12		
	<i>Aedes cantator</i>	2	16		
	<i>Aedes japonicus</i>	4	5		
	<i>Aedes sollicitans</i>	4	82		
	<i>Aedes taeniorhynchus</i>	10	249		
	<i>Aedes thibaulti</i>	4	8		
	<i>Aedes triseriatus</i>	4	13		
	<i>Aedes vexans</i>	10	220		
	<i>Anopheles bradleyi</i>	6	26		
	<i>Anopheles punctipennis</i>	3	3		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Coquillettidia perturbans</i>	4	41		
	<i>Culex erraticus</i>	4	63		
	<i>Culex pipiens</i>	1	17		
	<i>Culex restuans</i>	9	343		
	<i>Culex salinarius</i>	3	3		
	<i>Culex sp.</i>	60	2682	7	2.61
	<i>Culex territans</i>	8	21		
	<i>Culiseta melanura</i>	45	141		
	<i>Orthopodomyia signifera</i>	1	1		
	<i>Psorophora ferox</i>	2	13		
<b>Bergen</b>		<b>387</b>	<b>16051</b>	<b>73</b>	<b>4.55</b>
	<i>Aedes albopictus</i>	22	99		
	<i>Aedes canadensis canadensis</i>	1	6		
	<i>Aedes japonicus</i>	24	144		
	<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>	19	158		
	<i>Culex pipiens</i>	68	2373	9	3.79
	<i>Culex restuans</i>	28	314		
	<i>Culex salinarius</i>	60	3139		
	<i>Culex spp.</i>	130	9655	64	6.63
	<i>Culex territans</i>	1	1		
	<i>Orthopodomyia signifera</i>	1	1		
<b>Burlington</b>		<b>266</b>	<b>2261</b>		
	<i>Aedes albopictus</i>	22	183		
	<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>	11	28		
	<i>Aedes sollicitans</i>	1	18		
	<i>Aedes sticticus</i>	2	5		
	<i>Aedes taeniorhynchus</i>	1	2		
	<i>Aedes triseriatus</i>	11	38		
	<i>Aedes vexans</i>	33	335		
	<i>Anopheles bradleyi</i>	2	6		
	<i>Anopheles crucians</i>	3	4		
	<i>Anopheles punctipennis</i>	14	31		
	<i>Anopheles quadrimaculatus</i>	7	10		
	<i>Coquillettidia perturbans</i>	19	232		
	<i>Culex erraticus</i>	3	3		
	<i>Culex pipiens</i>	3	20		
	<i>Culex restuans</i>	5	29		
	<i>Culex salinarius</i>	1	1		
	<i>Culex sp.</i>	39	347		
	<i>Culex territans</i>	3	6		
	<i>Culiseta inornata</i>	1	3		
	<i>Culiseta melanura</i>	37	170		
	<i>Orthopodomyia signifera</i>	3	11		
	<i>Psorophora ciliata</i>	2	2		
	<i>Psorophora columbiae</i>	6	11		
	<i>Psorophora cyanescens</i>	1	1		
	<i>Psorophora ferox</i>	4	5		
	<i>Psorophora howardii</i>	1	3		
	<i>Uranotaenia sapphirina</i>	4	7		
<b>Camden</b>		<b>134</b>	<b>2568</b>	<b>8</b>	<b>3.12</b>
	<i>Aedes albopictus</i>	24	199		
	<i>Aedes canadensis canadensis</i>	1	19		
	<i>Aedes cantator</i>	1	22		
	<i>Aedes japonicus</i>	11	27		
	<i>Aedes triseriatus</i>	2	2		
	<i>Aedes trivittatus</i>	1	1		
	<i>Aedes vexans</i>	4	46		
	<i>Anopheles punctipennis</i>	7	31		
	<i>Anopheles quadrimaculatus</i>	5	6		
	<i>Coquillettidia perturbans</i>	4	16		
	<i>Culex erraticus</i>	1	1		
	<i>Culex pipiens</i>	11	495		
	<i>Culex restuans</i>	17	481		
	<i>Culex salinarius</i>	3	14		
	<i>Culex sp.</i>	38	1203	8	6.65
	<i>Culiseta melanura</i>	1	1		
	<i>Orthopodomyia signifera</i>	2	3		
	<i>Psorophora columbiae</i>	1	1		
<b>Cape_May</b>		<b>229</b>	<b>4165</b>		
	<i>Aedes albopictus</i>	1	2		
	<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>	17	457		
<i>Anopheles punctipennis</i>	7	102		
<i>Anopheles quadrimaculatus</i>	15	507		
<i>Coquillettidia perturbans</i>	3	27		
<i>Culex erraticus</i>	3	15		
<i>Culex pipiens</i>	42	819		
<i>Culex restuans</i>	49	835		
<i>Culex salinarius</i>	11	425		
<i>Culex sp.</i>	18	317		
<i>Culex territans</i>	1	2		
<i>Culiseta melanura</i>	36	386		
<b>Cumberland</b>	<b>145</b>	<b>1730</b>	<b>4</b>	<b>2.31</b>
<i>Aedes albopictus</i>	26	113		
<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>	3	9		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex erraticus</i>	5	16		
<i>Culex pipiens</i>	6	60		
<i>Culex restuans</i>	2	32	1	31.25
<i>Culex spp.</i>	69	1358	3	2.21
<i>Culex territans</i>	2	5		
<i>Culiseta melanura</i>	2	46		
<i>Psorophora howardii</i>	1	1		
<i>Uranotaenia sapphirina</i>	1	1		
<b>Essex</b>	<b>188</b>	<b>3100</b>	<b>28</b>	<b>9.03</b>
<i>Aedes albopictus</i>	44	296		
<i>Aedes japonicus</i>	17	73	1	13.70
<i>Aedes triseriatus</i>	10	14		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	4	5		
<i>Anopheles punctipennis</i>	2	2		
<i>Anopheles quadrimaculatus</i>	3	10		
<i>Coquillettidia perturbans</i>	2	2		
<i>Culex spp.</i>	105	2695	27	10.02
<i>Culex territans</i>	1	3		
<b>Gloucester</b>	<b>351</b>	<b>7193</b>	<b>26</b>	<b>3.61</b>
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	29	279		
<i>Aedes canadensis canadensis</i>	7	245		
<i>Aedes communis</i>	1	1		
<i>Aedes japonicus</i>	19	114		
<i>Aedes sollicitans</i>	1	2		
<i>Aedes thibaulti</i>	1	5		

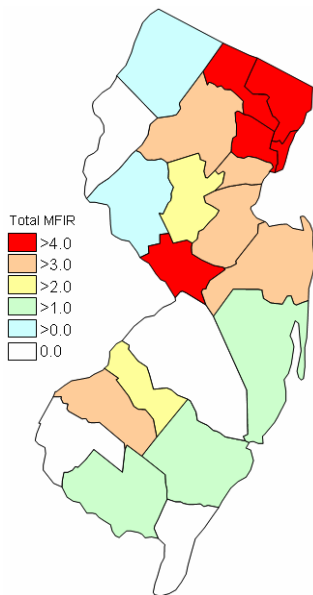
<i>Aedes triseriatus</i>	6	16		
<i>Aedes vexans</i>	8	259		
<i>Anopheles bradleyi</i>	4	86		
<i>Anopheles punctipennis</i>	16	62		
<i>Anopheles quadrimaculatus</i>	15	36		
<i>Coquillettidia perturbans</i>	4	34		
<i>Culex erraticus</i>	1	37		
<i>Culex pipiens</i>	184	5266	26	4.94
<i>Culex restuans</i>	16	583		
<i>Culex salinarius</i>	6	34		
<i>Culex territans</i>	5	25		
<i>Culiseta melanura</i>	22	69		
<i>Psorophora ferox</i>	3	9		
<i>Uranotaenia sapphirina</i>	2	22		
<b>Hudson</b>	<b>113</b>	<b>5584</b>	<b>35</b>	<b>6.27</b>
<i>Culex spp.</i>	113	5584	35	6.27
<b>Hunterdon</b>	<b>150</b>	<b>7244</b>	<b>3</b>	<b>0.41</b>
<i>Aedes albopictus</i>	2	11		
<i>Aedes vexans</i>	1	50		
<i>Anopheles punctipennis</i>	1	50		
<i>Anopheles quadrimaculatus</i>	1	11		
<i>Culex erraticus</i>	1	10		
<i>Culex spp.</i>	143	7111	3	0.42
<i>Culiseta inornata</i>	1	1		0.00
<b>Mercer</b>	<b>243</b>	<b>2072</b>	<b>11</b>	<b>5.31</b>
<i>Aedes albopictus</i>	114	959	1	1.04
<i>Aedes atropalpus</i>	1	1		
<i>Aedes japonicus</i>	38	76		
<i>Aedes stimulans</i>	1	1		
<i>Aedes triseriatus</i>	13	27		
<i>Aedes vexans</i>	2	12		
<i>Culex erraticus</i>	11	35		
<i>Culex pipiens</i>	36	646	10	15.48
<i>Culex restuans</i>	8	41		
<i>Culex salinarius</i>	10	157		
<i>Culex spp.</i>	6	112		
<i>Orthopodomyia signifera</i>	1	1		
<i>Psorophora columbiae</i>	1	1		
<b>Middlesex</b>	<b>250</b>	<b>5736</b>	<b>26</b>	<b>4.53</b>
<i>Aedes albopictus</i>	20	165		
<i>Aedes japonicus</i>	11	52		
<i>Aedes triseriatus</i>	3	11		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	21	512		
<i>Culex erraticus</i>	1	1		
<i>Culex pipiens</i>	20	203		
<i>Culex restuans</i>	8	117		
<i>Culex salinarius</i>	12	322	1	3.11
<i>Culex spp.</i>	142	4282	25	5.84
<i>Culex territans</i>	3	10		
<i>Psorophora ciliata</i>	3	44		



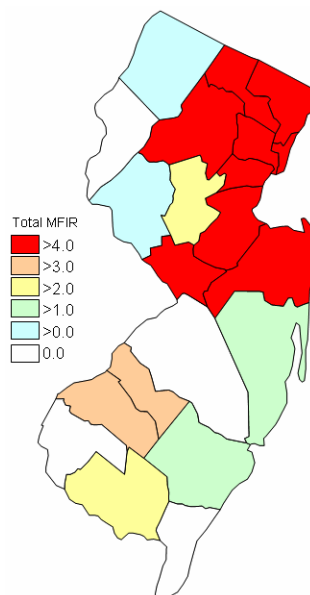
<i>Psorophora columbiae</i>	1	4		
<i>Psorophora ferox</i>	1	1		
<i>Psorophora howardii</i>	1	3		
<i>Uranotaenia sapphirina</i>	2	8		
<b>Monmouth</b>	<b>350</b>	<b>4174</b>	<b>21</b>	<b>5.03</b>
<i>Aedes albopictus</i>	56	258		
<i>Aedes canadensis canadensis</i>	3	18		
<i>Aedes cantator</i>	4	5		
<i>Aedes japonicus</i>	14	26		
<i>Aedes sollicitans</i>	8	36		
<i>Aedes taeniorhynchus</i>	2	13		
<i>Aedes triseriatus</i>	6	11		
<i>Aedes trivittatus</i>	1	2		
<i>Aedes vexans</i>	13	105		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	9	12		
<i>Anopheles quadrimaculatus</i>	2	3		
<i>Coquillettidia perturbans</i>	4	5		
<i>Culex erraticus</i>	3	27		
<i>Culex pipiens</i>	38	425		
<i>Culex restuans</i>	30	188		
<i>Culex salinarius</i>	9	25		
<i>Culex spp.</i>	102	2827	21	7.43
<i>Culex territans</i>	7	19		
<i>Culiseta melanura</i>	38	168		
<b>Morris</b>	<b>140</b>	<b>5607</b>	<b>26</b>	<b>4.64</b>
<i>Aedes japonicus</i>	3	18		
<i>Aedes triseriatus</i>	1	3		
<i>Coquillettidia perturbans</i>	1	50		
<i>Culex spp.</i>	135	5536	26	4.70
<b>Ocean</b>	<b>240</b>	<b>4558</b>	<b>6</b>	<b>1.32</b>
<i>Aedes albopictus</i>	59	1014	1	0.99
<i>Aedes canadensis canadensis</i>	6	80		
<i>Aedes cantator</i>	1	9		
<i>Aedes japonicus</i>	18	42		
<i>Aedes sollicitans</i>	1	21		
<i>Aedes triseriatus</i>	7	19		
<i>Aedes vexans</i>	11	44		
<i>Anopheles bradleyi</i>	2	2		
<i>Anopheles punctipennis</i>	4	7		
<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>	76	2623	4	1.52
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	9	81		
<i>Psorophora ferox</i>	5	15		
<b>Passaic</b>	<b>74</b>	<b>3012</b>	<b>24</b>	<b>7.97</b>
<i>Aedes albopictus</i>	2	16		

<i>Aedes japonicus</i>	4	50		
<i>Aedes triseriatus</i>	1	2		
<i>Anopheles punctipennis</i>	1	5		
<i>Culex spp.</i>	66	2939	24	8.17
<b>Salem</b>	<b>262</b>	<b>3203</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>	8	194		
<i>Anopheles punctipennis</i>	24	248		
<i>Anopheles quadrimaculatus</i>	29	561		
<i>Coquillettidia perturbans</i>	8	92		
<i>Culex erraticus</i>	13	73		
<i>Culex pipiens</i>	2	5		
<i>Culex restuans</i>	7	17		
<i>Culex salinarius</i>	9	179		
<i>Culex spp.</i>	32	187		
<i>Culex territans</i>	5	7		
<i>Culiseta melanura</i>	31	202		
<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>154</b>	<b>2965</b>	<b>6</b>	<b>2.02</b>
<i>Aedes albopictus</i>	13	52		
<i>Aedes canadensis canadensis</i>	1	2		
<i>Aedes japonicus</i>	26	241		
<i>Aedes triseriatus</i>	23	117		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	4	4		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Culex pipiens</i>	2	22		
<i>Culex restuans</i>	2	19		
<i>Culex spp.</i>	80	2505	6	2.40
<i>Orthopodomyia signifera</i>	1	1		
<b>Sussex</b>	<b>203</b>	<b>9094</b>	<b>3</b>	<b>0.33</b>
<i>Aedes canadensis canadensis</i>	2	11		
<i>Aedes japonicus</i>	11	244		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	1	7		
<i>Aedes trivittatus</i>	2	21		
<i>Aedes vexans</i>	2	24		

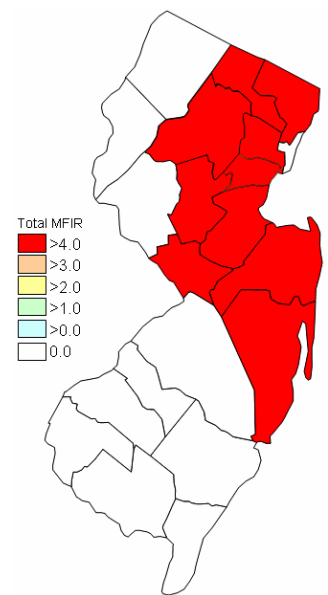
<i>Anopheles punctipennis</i>	2	3		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Coquillettidia perturbans</i>	8	209		
<i>Culex pipiens</i>	1	1		
<i>Culex restuans</i>	4	96		
<i>Culex salinarius</i>	1	4		
<i>Culex spp.</i>	165	8443	3	0.36
<i>Uranotaenia sapphirina</i>	2	29		
<b>Union</b>	<b>147</b>	<b>3528</b>	<b>23</b>	<b>6.52</b>
<i>Aedes albopictus</i>	48	432		
<i>Aedes japonicus</i>	7	11		
<i>Aedes triseriatus</i>	1	1		
<i>Aedes vexans</i>	6	16		
<i>Anopheles punctipennis</i>	1	2		
<i>Culex restuans</i>	1	2		
<i>Culex spp.</i>	80	3059	23	7.52
<i>Psorophora columbiae</i>	3	5		
<b>Warren</b>	<b>155</b>	<b>7411</b>		
<i>Aedes japonicus</i>	2	49		
<i>Culex spp.</i>	153	7362		
<b>Grand Total</b>	<b>4391</b>	<b>105806</b>	<b>330</b>	<b>3.12</b>



Cumulative activity to last week



Cumulative activity to this week



Recent Activity 8/05 to 8/15)

**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.

**RAMP Results for 26 August 2008**

<b>County</b>	<b>Species</b>	<b>Pools</b>	<b>Mosquitoes</b>	<b>Positives</b>	<b>PHEL (pools submitted/+/-)</b>
<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	<b>2</b>	<b>9/0/2</b>