

VECTOR SURVEILLANCE IN NEW JERSEY
EEE and WNV
CDC WEEK 35: August 24 to August 30, 2008

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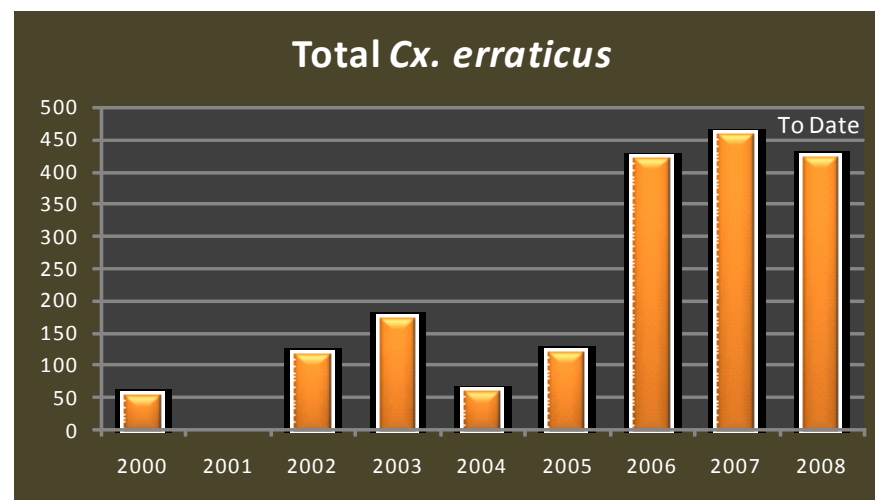
Culiseta melanura and Eastern Equine Encephalitis

SITE	Inland / Coastal	Historic Mean	Current Weekly Mean	Total Collected to Date*	Total Pools Submitted	EEE Isolations	MFIR
Green Bank (Burlington County)	Coastal	4.6	0.3	77	22		
Corbin City (Atlantic County)	Coastal	2.0	< 0.1	137	43		
Dennisville (Cape May County)	Coastal	11.1	0.4	400	38		
Waterford (Camden County)	Inland	3.5	0	0	0		
Centerton (Salem County)	Inland	4.8	0.1	204	33		
Turkey Swamp (Monmouth County)	Inland	2.4	1.0	217	42		
Glassboro (Gloucester County)	Inland	no history	0.1	18	11		

*Including trial run last week in May.

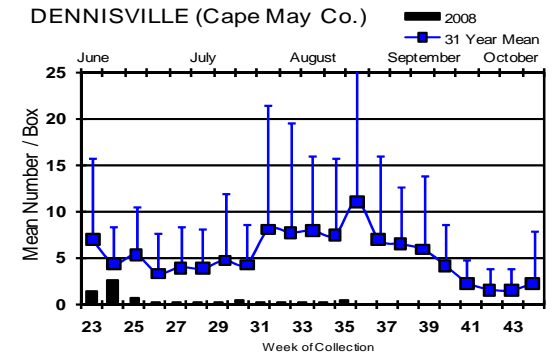
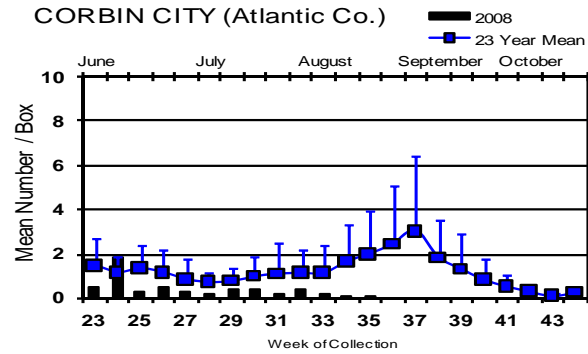
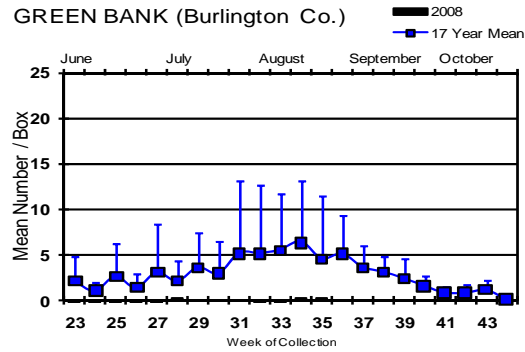
Remarks: Very small increases in *Culiseta melanura* populations are the only indications that the second generation of this typically bi-voltine mosquito species in southern New Jersey is making an appearance. This mosquito is scarce this year. However, *Culex erraticus*, a mosquito with a more southerly distribution that is often found infected with EEE, has been increasing its presence here in New Jersey after its first discovery in 1969. The graph to the right indicates total number of *Cx. erraticus* caught in light traps from the Adult Mosquito Surveillance program since 2000. With several weeks left of the 2008 season, this year may top previous recent year totals.

To date, 189 pools from 1053 *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 288 pools of 2400 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*.

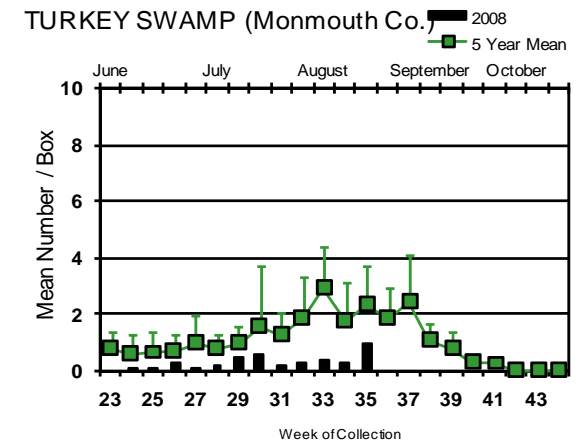
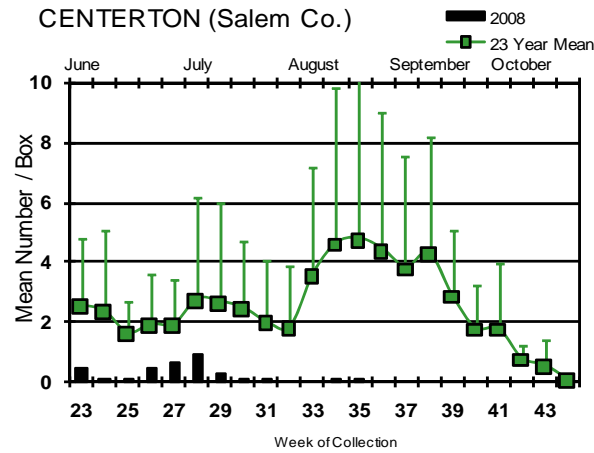
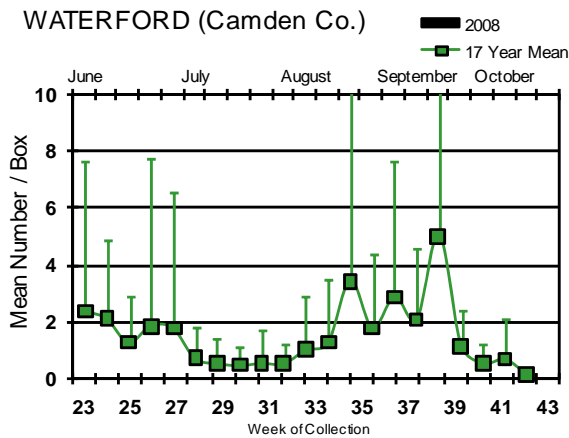


Culiseta melanura Population Graphs

Coastal



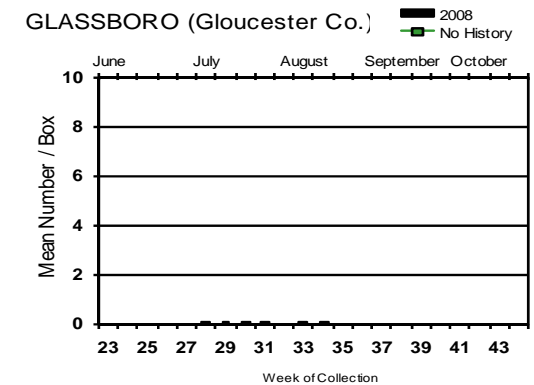
Inland



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).

A continuance of the very low *Cs. melanura* populations. Turkey Swamp numbers are climbing (as are Dennisville and Centerton, but these numbers are so small to begin with that changes are difficult to discern).



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

- equine: 2(AL), 80(FL), 20(GA) 3(LA) 6(MS) (2)NC 1(TN) 1(WI)
- mosquito: 3(FL), 2(GA), 2(LA), 2(MA), 3(VA)
- sentinel: 3(AL), 75(FL, 59 wild), 2,emu(NC), 2(VA)
- 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	1/3
Alaska					
Arizona	1	88	19		5/9
Arkansas		11/15		1	4/7
California	1295/1456	1101/1244	109/134	5/6	97/127
Colorado	3	27/43			31/40
Connecticut		104/126			1/2
Delaware		2+?			
Florida	3 live		2	1	
Georgia		8			
Hawaii					
Idaho	2	6 counties		1	16
Illinois	8/9	200/228		1	4
Indiana	1	21/66			1
Iowa		3/4	1	1	3/6
Kansas					7
Kentucky					
Louisiana		600	9	1	7
Maine					
Maryland		3			1?
Mass.	39/44	52/75			
Michigan	3	1			1/2
Minnesota	4/7	10			12/15
Mississippi		3		1	57/63
Missouri	29	167/184		1	3/5
Montana		3/5		3	1/2
Nebraska	3/4	44/59			10/13

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada	2	22/31		1	2/8
New Hampshire		1			
New Jersey	21/25	313/364			
New Mexico		1/3		1	1/3
New York	25/77	209/264		1	4/13
North Carolina				1	
North Dakota				1	18/23
Ohio	2	15/81			1/2
Oklahoma		12			5/6
Oregon	1	6			3/4
Pennsylvania	9/10	237/355			1
Rhode Island		1			
South Carolina	3	5			
South Dakota	1	30/38		1/3	11/28
Tennessee		342/393			8
Texas		82/89		1	16/19
Utah	2	89/110	1/2	2	5/8
Vermont		1			
Virginia		254/358			
Washington		18/22	1	9/11	
West Virginia	2	10		2	1
Wisconsin	14/19			2	1/2
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 02 September 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	557	5106	2	0.39
<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>	268	1414	1	0.71
<i>Aedes sollicitans</i>	22	245		
<i>Aedes sticticus</i>	6	86		
<i>Aedes stimulans</i>	1	1		

<i>Aedes taeniorhynchus</i>	16	278		
<i>Aedes thibaulti</i>	5	13		
<i>Aedes triseriatus</i>	131	373		
<i>Aedes trivittatus</i>	7	28		
<i>Aedes vexans</i>	156	2647		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	42	776		
<i>Anopheles crucians</i>	5	6		
<i>Anopheles punctipennis</i>	106	609		
<i>Anopheles quadrimaculatus</i>	85	1154		
<i>Coquillettidia perturbans</i>	85	892		
<i>Culex erraticus</i>	49	321		
<i>Culex pipiens</i>	462	11517	52	4.52
<i>Culex restuans</i>	208	3432	1	0.29
<i>Culex salinarius</i>	140	4397	1	0.23
<i>Culex spp.</i>	1911	76636	307	4.01
<i>Culex territans</i>	42	105		
<i>Culiseta inornata</i>	2	4		
<i>Culiseta melanura</i>	226	1293		
<i>Orthopodomyia signifera</i>	9	18		
<i>Psorophora ciliata</i>	6	50		
<i>Psorophora columbiae</i>	20	69		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	22	127		
<i>Psorophora howardii</i>	4	11		
<i>Uranotaenia sapphirina</i>	14	73		
Grand Total	4700	113309	364	3.21

Remarks: Submitted pools (4,700) comprised of 113,309 individual mosquitoes produced 364 positive pools from 17 different counties. All of the positives were either *Cx. pipiens* or mixed *Culex* pools. No additional species were found positive. It should be noted that at this time, *Cx. pipiens* MFIR rate is 4.52. Last year during this week, the MFIR value for *Cx. pipiens* was 7.80. There was greater involvement with *Cx. restuans* and *Cx. salinarius*. However, the overall state MFIR value was lower at 2.20 as compared to this year's current value of 3.21. At this point in time, the same species are involved (*Culex* species and *Aedes albopictus* and *Ae. japonicus*).

Humans, Horses and Wild Birds: To date, there have been 128 dead birds submitted for West Nile virus testing with 25 positives. Last year, there were 16 positive birds from 143 submissions to this point in time.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
364 / 4,700	214 / 4,181

WNV Results by County through 02 September 2008

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		223	4726	7	1.48
	<i>Aedes albopictus</i>	23	613		
	<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>	11	255		
	<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>	9	343		
	<i>Culex salinarius</i>	3	3		
	<i>Culex sp.</i>	63	2778	7	2.52
	<i>Culex territans</i>	8	21		
	<i>Culiseta melanura</i>	46	142		
	<i>Orthopodomyia signifera</i>	1	1		
	<i>Psorophora ferox</i>	2	13		
Bergen		407	17450	84	4.81
	<i>Aedes albopictus</i>	23	118		
	<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>	149	11035	75	6.80
	<i>Culex territans</i>	1	1		
	<i>Orthopodomyia signifera</i>	1	1		
Burlington		293	2508		
	<i>Aedes albopictus</i>	25	261		
	<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>	12	39		
	<i>Aedes trivittatus</i>	1	2		
	<i>Aedes vexans</i>	36	371		
	<i>Anopheles bradleyi</i>	2	6		
	<i>Anopheles crucians</i>	5	6		
	<i>Anopheles punctipennis</i>	15	35		
	<i>Anopheles quadrimaculatus</i>	8	11		
	<i>Coquillettidia perturbans</i>	20	234		
	<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>	45	444		
	<i>Culex territans</i>	5	8		

<i>Culiseta inornata</i>	1	3		
<i>Culiseta melanura</i>	38	171		
<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>	5	8		
Camden	140	2665	9	3.38
<i>Aedes albopictus</i>	27	212		
<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>	41	1287	9	6.99
<i>Culiseta melanura</i>	1	1		
<i>Orthopodomyia signifera</i>	2	3		
<i>Psorophora columbiae</i>	1	1		
Cape_May	244	4390		
<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>	49	964		
<i>Culex restuans</i>	54	905		
<i>Culex salinarius</i>	11	425		
<i>Culex sp.</i>	21	327		
<i>Culex territans</i>	1	2		
<i>Culiseta melanura</i>	36	386		
Cumberland	171	1921	6	3.12
<i>Aedes albopictus</i>	30	120		
<i>Aedes japonicus</i>	15	37		
<i>Aedes triseriatus</i>	8	12		

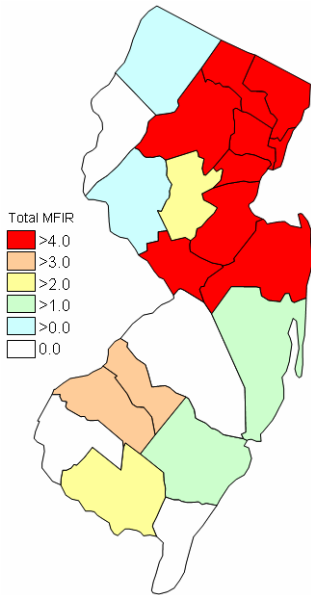
	<i>Aedes vexans</i>	3	38		
	<i>Anopheles bradleyi</i>	1	1		
	<i>Anopheles punctipennis</i>	4	10		
	<i>Anopheles quadrimaculatus</i>	2	2		
	<i>Coquillettidia perturbans</i>	2	2		
	<i>Culex erraticus</i>	8	21		
	<i>Culex pipiens</i>	11	139	2	14.39
	<i>Culex restuans</i>	4	52	1	19.23
	<i>Culex salinarius</i>	2	2		
	<i>Culex spp.</i>	70	1359	3	2.21
	<i>Culex territans</i>	2	5		
	<i>Culiseta melanura</i>	5	116		
	<i>Psorophora columbiae</i>	1	2		
	<i>Psorophora ferox</i>	1	1		
	<i>Psorophora howardii</i>	1	1		
	<i>Uranotaenia sapphirina</i>	1	1		
Essex		218	3246	28	8.63
	<i>Aedes albopictus</i>	56	380		
	<i>Aedes japonicus</i>	18	74	1	13.51
	<i>Aedes triseriatus</i>	13	18		
	<i>Aedes trivittatus</i>	1	1		
	<i>Aedes vexans</i>	4	5		
	<i>Anopheles punctipennis</i>	3	3		
	<i>Anopheles quadrimaculatus</i>	3	10		
	<i>Coquillettidia perturbans</i>	2	2		
	<i>Culex spp.</i>	115	2748	27	9.83
	<i>Culex territans</i>	3	5		
Gloucester		388	7943	30	3.78
	<i>Aedes abserratus</i>	1	9		
	<i>Aedes albopictus</i>	32	319		
	<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 punctipennis</i>	16	62		
	<i>Anopheles quadrimaculatus</i>	17	40		
	<i>Coquillettidia perturbans</i>	5	35		
	<i>Culex erraticus</i>	1	37		
	<i>Culex pipiens</i>	212	5957	30	5.04
	<i>Culex restuans</i>	16	583		
	<i>Culex salinarius</i>	6	34		
	<i>Culex territans</i>	5	25		
	<i>Culiseta melanura</i>	24	80		
	<i>Psorophora ferox</i>	3	9		
	<i>Uranotaenia sapphirina</i>	2	22		

Hudson	128	6214	44	7.08
<i>Culex spp.</i>	128	6214	44	7.08
Hunterdon	170	8224	3	0.36
<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>	163	8091	3	0.37
<i>Culiseta inornata</i>	1	1		0.00
Mercer	243	2072	11	5.31
<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		
Middlesex	250	5736	26	4.53
<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		
Monmouth	350	4174	21	5.03
<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		

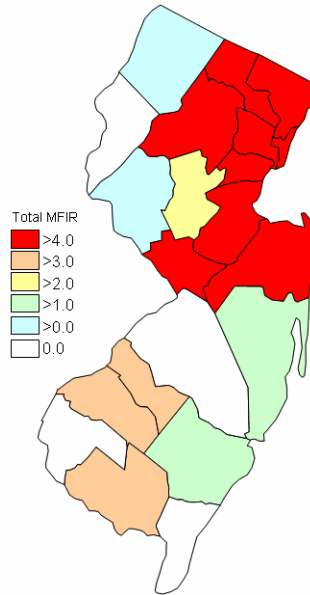
	<i>Aedes vexans</i>	13	105		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles punctipennis</i>	9	12		
	<i>Anopheles quadrimaculatus</i>	2	3		
	<i>Coquillettidia perturbans</i>	4	5		
	<i>Culex erraticus</i>	3	27		
	<i>Culex pipiens</i>	38	425		
	<i>Culex restuans</i>	30	188		
	<i>Culex salinarius</i>	9	25		
	<i>Culex spp.</i>	102	2827	21	7.43
	<i>Culex territans</i>	7	19		
	<i>Culiseta melanura</i>	38	168		
Morris		160	6061	28	4.62
	<i>Aedes japonicus</i>	4	25		
	<i>Aedes triseriatus</i>	1	3		
	<i>Coquillettidia perturbans</i>	1	50		
	<i>Culex spp.</i>	154	5983	28	4.68
Ocean		253	4738	8	1.69
	<i>Aedes albopictus</i>	64	1110	1	0.90
	<i>Aedes canadensis canadensis</i>	6	80		
	<i>Aedes cantator</i>	1	9		
	<i>Aedes japonicus</i>	19	44		
	<i>Aedes sollicitans</i>	2	22		
	<i>Aedes triseriatus</i>	8	20		
	<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>	81	2703	6	2.22
	<i>Culex territans</i>	1	1		
	<i>Culiseta melanura</i>	9	81		
	<i>Psorophora ferox</i>	5	15		
Passaic		74	3012	24	7.97
	<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
Salem		262	3203		
	<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		
Somerset	174	3276	9	2.75
<i>Aedes albopictus</i>	13	52		
<i>Aedes canadensis canadensis</i>	1	2		
<i>Aedes japonicus</i>	30	263		
<i>Aedes triseriatus</i>	26	121		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	5	5		
<i>Anopheles quadrimaculatus</i>	1	1		
<i>Culex pipiens</i>	2	22		
<i>Culex restuans</i>	2	19		
<i>Culex spp.</i>	92	2789	9	3.23
<i>Orthopodomyia signifera</i>	1	1		
Sussex	236	10049	3	0.30
<i>Aedes canadensis canadensis</i>	2	11		
<i>Aedes japonicus</i>	18	343		
<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>	9	215		
<i>Culex pipiens</i>	2	4		
<i>Culex restuans</i>	4	96		
<i>Culex salinarius</i>	1	4		
<i>Culex spp.</i>	189	9290	3	0.32
<i>Uranotaenia sapphirina</i>	2	29		
Union	147	3528	23	6.52
<i>Aedes albopictus</i>	48	432		
<i>Aedes japonicus</i>	7	11		
<i>Aedes triseriatus</i>	1	1		

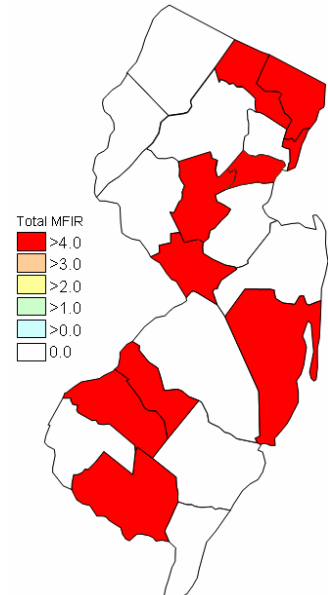
<i>Aedes vexans</i>	6	16		
<i>Anopheles punctipennis</i>	1	2		
<i>Culex restuans</i>	1	2		
<i>Culex spp.</i>	80	3059	23	7.52
<i>Psorophora columbiae</i>	3	5		
Warren	175	8232		
<i>Aedes japonicus</i>	2	49		
<i>Culex spp.</i>	173	8183		
Grand Total	4700	113309	364	3.21



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.

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 02 September 2008

County	Species	Pools	Mosquitoes	Positives	PHEL (pools submitted/+/-)
Monmouth		75	671		
	<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		
Warren		51	1968		
	<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