

VECTOR SURVEILLANCE IN NEW JERSEY
EEE and WNV
CDC WEEK 38: September 14 to September 20, 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	3.2	0.2	148	30		
Corbin City (Atlantic County)	Coastal	1.8	0.4	158	53		
Dennisville (Cape May County)	Coastal	5.9	0.4	493	50	(see remarks)	
Waterford (Camden County)	Inland	2.1	0.7	34	4		
Centerton (Salem County)	Inland	4.3	0.6	280	44	1	3.57
Turkey Swamp (Monmouth County)	Inland	1.1	0.1	261	52		
Glassboro (Gloucester County)	Inland	no history	0.2	51	22		

*Including trial run last week in May.

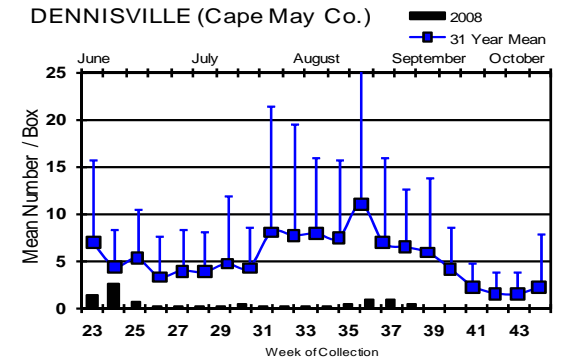
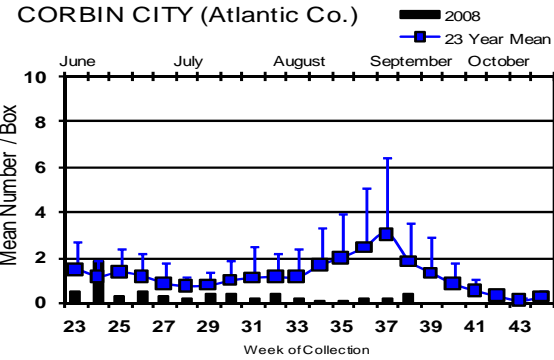
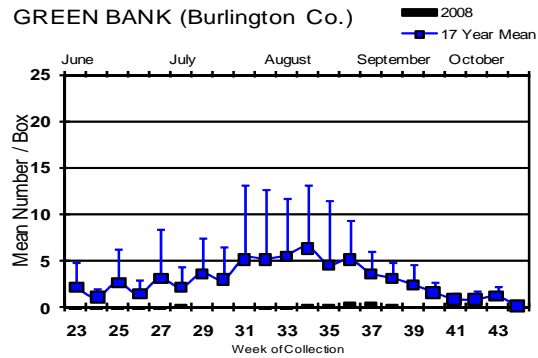
Remarks: No new detections of positive EEE pools occurred during the past week, although *Culiseta melanura* populations began to rebound at some of the resting box monitoring sites. Waterford recorded the first *Cs. melanura* mosquitoes to be found at the site this year – breaking an unusually long period with no signs of the enzootic vector of eastern equine encephalitis virus. Regardless, all sites continue to experience very low population levels of this mosquito.

To date, 255 pools from 1425 *Cs. melanura* mosquitoes have been sent for EEE testing from the resting box collections. Previously, one EEE positive pool had been detected at the Centerton monitoring site in Salem County. An additional EEE positive pool from Cape May had been detected by the Cape May Mosquito Control Department's lab for a statewide cumulative total of 2 positive pools. No horse or human cases have been reported to date.

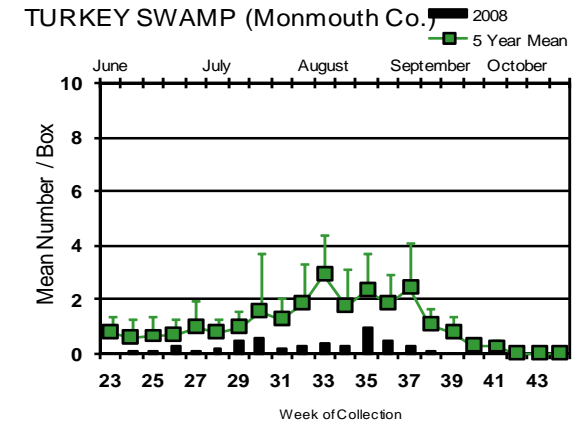
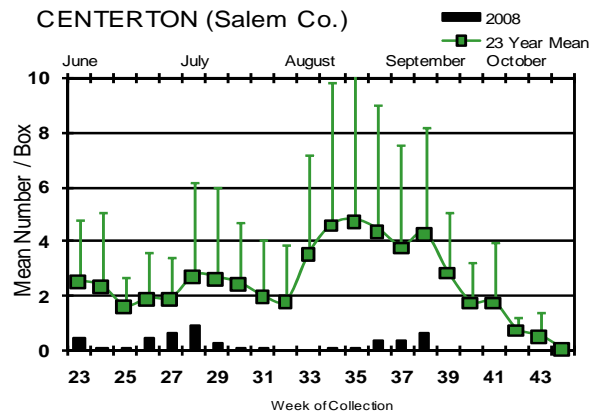
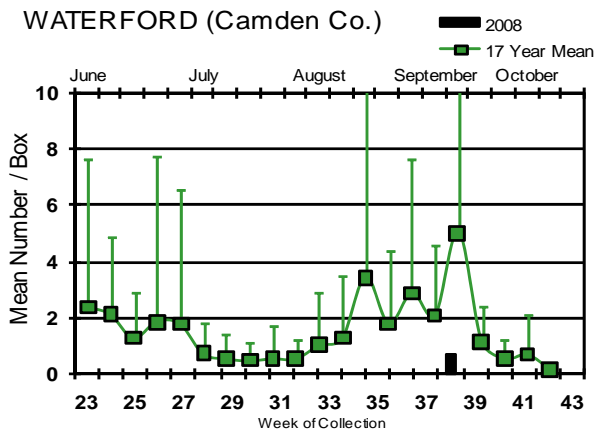
An additional 386 pools of 3168 individual mosquitoes from 31 species other than *Cs. melanura* have also been tested and all pools were found to be negative. These species include: *Aedes albopictus*, *Ae. canadensis canadensis*, *Ae. cantator*, *Ae. cinereus*, *Ae. communis*, *Ae. grossbecki*, *Ae. japonicus*, *Ae. sollicitans*, *Ae. sticticus*, *Ae. taeniorhynchus*, *Ae. triseriatus*, *Ae. trivittatus*, *Ae. vexans*, *Anopheles bradleyi*, *An. crucians*, *An. punctipennis*, *An. quadrimaculatus*, *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



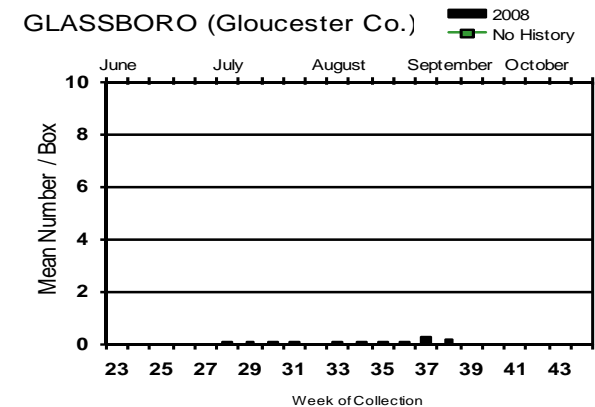
Inland



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).

Cs. melanura were found in resting boxes at the inland Waterford site for the first time this season. Fifteen consecutive weeks with no *Cs. melanura* detection in these boxes are the longest to date at this site.



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

- equine: 2(AL), 84(FL) 22(GA) 4(LA) 6(MS) 6(NC) 1(NH) 4(SC) 1(TN) 1(WI)
- mosquito: 1(AR) 3(FL) 2(GA) 5(LA) 8(MA) 3(MD) 2(NJ) 2(MD) 4(VA)
- sentinel: 3(AL) 85(FL) 71(wild) 16[2emu](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**.

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Alabama				1	7
Alaska					
Arizona	3	145/151	39		29/43
Arkansas		15		1	7
California	1813/1965	1628/1723	196/255	15/18	198/236
Colorado	4	55			62/71
Connecticut		164/174			2/6
Delaware			5		
Florida	3 live		4/7	1	1/2
Georgia		8			
Hawaii					
Idaho	3	7 counties		1	32
Illinois	15/18	459/482		1	5/6
Indiana	3/4	87/152			1/2
Iowa	3	4	2	3/4	7/8
Kansas					12
Kentucky	1/2	4		1	
Louisiana		600	9	1	7
Maine					
Maryland		5		1	6
Mass.	50/57	116			
Michigan	3	1			2/5
Minnesota	7	18			17
Mississippi		3		2/3	84/86
Missouri	29	184/191		1	8
Montana		5		4	4
Nebraska	5/10	78/79		1	25/29

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada	3	31		2	11
New Hampshire		1			
New Jersey	34/39	477/528			2/3
New Mexico		3		1	3/4
New York	89/102	297/325		1	16/21
North Carolina				1	
North Dakota				1	36/40
Ohio	7/9	134/246			2/6
Oklahoma		12			8
Oregon	1	16			4
Pennsylvania	12	440/480			5
Rhode Island		3/10			
South Carolina	3	5			
South Dakota	1	38		3	34/35
Tennessee		523			8
Texas	1	100		1	34/41
Utah	2	129/140	11/15	3	18/20
Vermont		1			
Virginia		571	1		
Washington	6	41		22/27	2
West Virginia	2	10		2	1
Wisconsin	27/31			3	3/5
Wyoming	1	14		1	8

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.

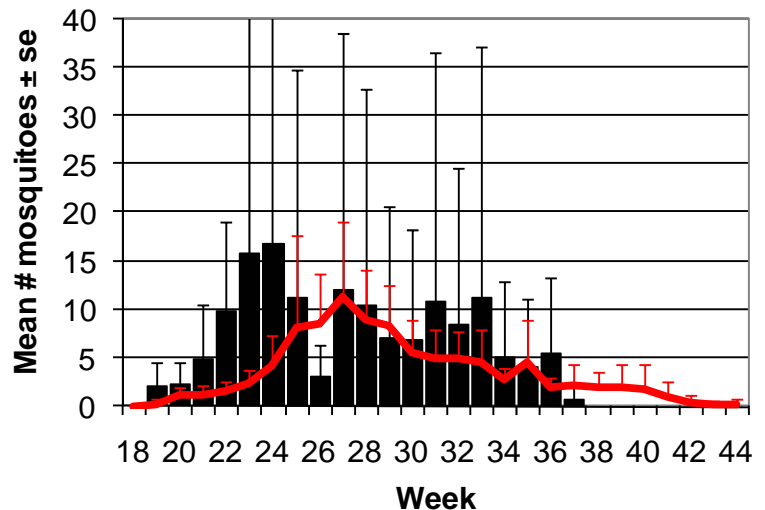
Mosquito Species Submitted for West Nile Virus Testing through 22 September 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	841	8026	2	0.25
<i>Aedes atlanticus</i>	1	4		
<i>Aedes atropalpus</i>	1	1		
<i>Aedes canadensis canadensis</i>	57	1253		
<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>	370	1778	1	0.56
<i>Aedes sollicitans</i>	28	256		
<i>Aedes sticticus</i>	6	86		
<i>Aedes stimulans</i>	1	1		

<i>Aedes taeniorhynchus</i>	24	308		
<i>Aedes thibaulti</i>	5	13		
<i>Aedes triseriatus</i>	200	582		
<i>Aedes trivittatus</i>	11	58		
<i>Aedes vexans</i>	199	2939		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	54	921		
<i>Anopheles crucians</i>	8	25		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	138	823		
<i>Anopheles quadrimaculatus</i>	130	1707		
<i>Coquillettidia perturbans</i>	98	926		
<i>Culex erraticus</i>	103	717		
<i>Culex pipiens</i>	705	16776	94	5.60
<i>Culex restuans</i>	331	4140	2	0.48
<i>Culex salinarius</i>	215	8412	2	0.24
<i>Culex spp.</i>	2462	94082	428	4.55
<i>Culex territans</i>	66	287		
<i>Culiseta inornata</i>	3	5		
<i>Culiseta melanura</i>	324	1856		
<i>Orthopodomyia signifera</i>	11	20		
<i>Psorophora ciliata</i>	7	51		
<i>Psorophora columbiae</i>	23	73		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	24	129		
<i>Psorophora howardii</i>	4	11		
<i>Uranotaenia sapphirina</i>	20	85		
State Total	6508	146734	529	3.61

Remarks: Submitted pools (6,508) comprised of 146,734 individual mosquitoes produced 529 positive pools from 17 different counties. Note: Last week (week 37) contained species MFIR values that were off by a factor of 10. The corrected report has been posted.

It should be noted that we are approaching the end of the season and the primary enzootic vector, *Culex pipiens* is seeking protective overwintering places (hibernaculae). Their populations are declining, as indicated by the graph of Mixed *Culex* trapped in county light traps along the coast. Black bars indicate this year's population while the red line is the average population size of the past five years. The figure on recent activity (shown after the county table) also indicate a decline in WNV activity in areas that have been very active until recently.



Humans, Horses and Wild Birds: PHEL reported an additional human case, a 58 year old female (onset 26 Aug) from Burlington County, bringing the total to 3 (2 cases in Burlington County and 1 in Middlesex County). For more details, see the PHEL's summary sheet:

http://www.state.nj.us/health/cd/westnile/documents/wnv_summary_sep19_08.pdf To date, there have been 146 dead birds submitted for West Nile virus testing with 39 positives Last year, there were 32 positive birds from 167 submissions to this point in time. There have been no positive horses.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
529 / 6,508	303 / 5,517

WNV Results by County through 22 September 2008

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		274	5319	7	1.32
	<i>Aedes albopictus</i>	33	735		
	<i>Aedes canadensis canadensis</i>	3	12		
	<i>Aedes cantator</i>	2	16		
	<i>Aedes japonicus</i>	5	6		
	<i>Aedes sollicitans</i>	6	86		
	<i>Aedes taeniorhynchus</i>	15	265		
	<i>Aedes thibaulti</i>	4	8		
	<i>Aedes triseriatus</i>	8	19		
	<i>Aedes vexans</i>	13	235		
	<i>Anopheles bradleyi</i>	7	29		
	<i>Anopheles crucians</i>	1	16		
	<i>Anopheles punctipennis</i>	4	4		
	<i>Anopheles quadrimaculatus</i>	2	4		
	<i>Coquillettidia perturbans</i>	6	44		
	<i>Culex erraticus</i>	8	131		
	<i>Culex pipiens</i>	1	17		
	<i>Culex restuans</i>	11	356		
	<i>Culex salinarius</i>	3	3		
	<i>Culex sp.</i>	72	3132	7	2.23
	<i>Culex territans</i>	9	22		
	<i>Culiseta melanura</i>	57	164		
	<i>Orthopodomyia signifera</i>	2	2		
	<i>Psorophora ferox</i>	2	13		
Bergen		552	26377	132	5.00
	<i>Aedes albopictus</i>	24	119		
	<i>Aedes canadensis canadensis</i>	1	6		
	<i>Aedes japonicus</i>	26	154		
	<i>Aedes sollicitans</i>	1	1		
	<i>Aedes triseriatus</i>	12	41		
	<i>Aedes vexans</i>	15	86		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles bradleyi</i>	3	5		
	<i>Anopheles punctipennis</i>	6	35		
	<i>Coquillettidia perturbans</i>	25	183		
	<i>Culex pipiens</i>	90	3375	15	4.44
	<i>Culex restuans</i>	31	318		
	<i>Culex salinarius</i>	111	6891	1	0.15
	<i>Culex spp.</i>	204	15160	116	7.65
	<i>Culex territans</i>	1	1		
	<i>Orthopodomyia signifera</i>	1	1		
Burlington		428	3416	1	0.29
	<i>Aedes albopictus</i>	45	517		
	<i>Aedes canadensis canadensis</i>	22	608		
	<i>Aedes cantator</i>	4	148		
	<i>Aedes cinereus</i>	1	3		

<i>Aedes grossbecki</i>	1	1		
<i>Aedes japonicus</i>	20	64		
<i>Aedes sollicitans</i>	2	22		
<i>Aedes sticticus</i>	2	5		
<i>Aedes taeniorhynchus</i>	2	9		
<i>Aedes triseriatus</i>	16	43		
<i>Aedes trivittatus</i>	1	2		
<i>Aedes vexans</i>	49	440		
<i>Anopheles bradleyi</i>	3	15		
<i>Anopheles crucians</i>	7	9		
<i>Anopheles punctipennis</i>	19	53		
<i>Anopheles quadrimaculatus</i>	17	29		
<i>Coquillettidia perturbans</i>	22	237		
<i>Culex erraticus</i>	11	35		
<i>Culex pipiens</i>	11	77		
<i>Culex restuans</i>	14	86		
<i>Culex salinarius</i>	4	4		
<i>Culex sp.</i>	64	653	1	1.53
<i>Culex territans</i>	10	16		
<i>Culiseta inornata</i>	1	3		
<i>Culiseta melanura</i>	51	273		
<i>Orthopodomyia signifera</i>	3	11		
<i>Psorophora ciliata</i>	4	7		
<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>	7	10		
Camden	190	3539	16	4.52
<i>Aedes albopictus</i>	39	295		
<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>	20	521		
<i>Culex salinarius</i>	4	15		
<i>Culex sp.</i>	59	1852	16	8.64
<i>Culiseta inornata</i>	1	1		
<i>Culiseta melanura</i>	5	35		
<i>Orthopodomyia signifera</i>	2	3		
<i>Psorophora columbiae</i>	1	1		
Cape_May	393	5786	1	0.17
<i>Aedes albopictus</i>	4	10		
<i>Aedes canadensis canadensis</i>	4	71		
<i>Aedes cantator</i>	8	82		
<i>Aedes japonicus</i>	6	15		
<i>Aedes sollicitans</i>	4	82		

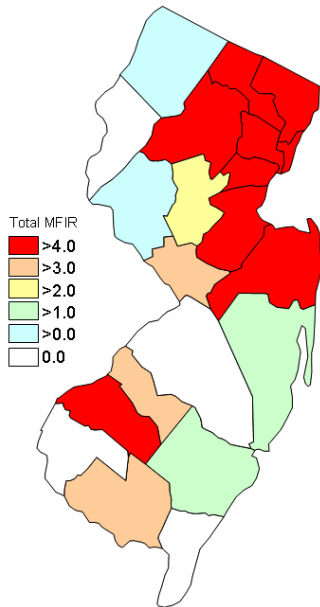
<i>Aedes taeniorhynchus</i>	3	9		
<i>Aedes triseriatus</i>	1	1		
<i>Aedes vexans</i>	2	13		
<i>Anopheles bradleyi</i>	21	560		
<i>Anopheles punctipennis</i>	9	104		
<i>Anopheles quadrimaculatus</i>	19	566		
<i>Coquillettidia perturbans</i>	4	28		
<i>Culex erraticus</i>	9	73		
<i>Culex pipiens</i>	101	1670	1	0.60
<i>Culex restuans</i>	95	1175		
<i>Culex salinarius</i>	12	426		
<i>Culex sp.</i>	30	356		
<i>Culex territans</i>	5	18		
<i>Culiseta melanura</i>	56	527		
Cumberland	205	2051	7	3.41
<i>Aedes albopictus</i>	39	143		
<i>Aedes japonicus</i>	16	38		
<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	4		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex erraticus</i>	14	47		
<i>Culex pipiens</i>	21	183	3	16.39
<i>Culex restuans</i>	8	79	1	12.66
<i>Culex salinarius</i>	2	2		
<i>Culex spp.</i>	73	1383	3	2.17
<i>Culex territans</i>	2	5		
<i>Culiseta melanura</i>	7	100		
<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	300	3827	34	8.88
<i>Aedes albopictus</i>	78	489		
<i>Aedes japonicus</i>	25	111	1	9.01
<i>Aedes triseriatus</i>	21	36		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	11	39		
<i>Anopheles punctipennis</i>	6	6		
<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>	143	3032	32	10.55
<i>Culex territans</i>	6	10		
<i>Psorophora columbiae</i>	1	1		

Gloucester	532	10246	44	4.29
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	59	448		
<i>Aedes canadensis canadensis</i>	7	245		
<i>Aedes communis</i>	1	1		
<i>Aedes japonicus</i>	27	127		
<i>Aedes sollicitans</i>	1	2		
<i>Aedes thibaulti</i>	1	5		
<i>Aedes triseriatus</i>	8	18		
<i>Aedes vexans</i>	8	259		
<i>Anopheles bradleyi</i>	4	86		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	20	72		
<i>Anopheles quadrimaculatus</i>	21	45		
<i>Coquillettidia perturbans</i>	8	38		
<i>Culex erraticus</i>	5	44		
<i>Culex pipiens</i>	283	7989	44	5.51
<i>Culex restuans</i>	19	591		
<i>Culex salinarius</i>	6	34		
<i>Culex territans</i>	9	81		
<i>Culiseta melanura</i>	37	117		
<i>Psorophora ferox</i>	3	9		
<i>Uranotaenia sapphirina</i>	3	25		
Hudson	168	8283	60	7.24
<i>Culex spp.</i>	168	8283	60	7.24
Hunterdon	230	10996	3	0.27
<i>Aedes albopictus</i>	3	23		
<i>Aedes japonicus</i>	1	6		
<i>Aedes trivittatus</i>	1	18		
<i>Aedes vexans</i>	3	105		
<i>Anopheles punctipennis</i>	1	50		
<i>Anopheles quadrimaculatus</i>	2	25		
<i>Culex erraticus</i>	1	10		
<i>Culex spp.</i>	217	10758	3	0.28
<i>Culiseta inornata</i>	1	1		
Mercer	439	4674	33	7.06
<i>Aedes albopictus</i>	183	2101	1	0.48
<i>Aedes atropalpus</i>	1	1		
<i>Aedes japonicus</i>	57	99		
<i>Aedes stimulans</i>	1	1		
<i>Aedes triseriatus</i>	24	49		
<i>Aedes vexans</i>	3	13		
<i>Anopheles punctipennis</i>	1	1		
<i>Culex erraticus</i>	16	44		
<i>Culex pipiens</i>	82	1746	27	15.46
<i>Culex restuans</i>	45	186	1	5.38
<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		

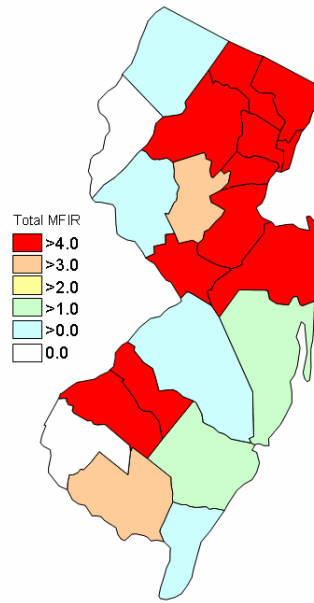
Middlesex	321	7700	44	5.71
<i>Aedes albopictus</i>	32	374		
<i>Aedes japonicus</i>	12	57		
<i>Aedes triseriatus</i>	5	22		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	21	512		
<i>Culex erraticus</i>	1	1		
<i>Culex pipiens</i>	23	215	1	4.65
<i>Culex restuans</i>	11	137		
<i>Culex salinarius</i>	14	324	1	3.09
<i>Culex spp.</i>	190	5987	42	7.02
<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	499	5286	25	4.73
<i>Aedes albopictus</i>	92	595		
<i>Aedes canadensis canadensis</i>	3	18		
<i>Aedes cantator</i>	4	5		
<i>Aedes japonicus</i>	19	37		
<i>Aedes sollicitans</i>	9	37		
<i>Aedes taeniorhynchus</i>	4	25		
<i>Aedes triseriatus</i>	9	19		
<i>Aedes trivittatus</i>	2	3		
<i>Aedes vexans</i>	19	111		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	14	24		
<i>Anopheles quadrimaculatus</i>	8	15		
<i>Coquillettidia perturbans</i>	4	5		
<i>Culex erraticus</i>	8	80		
<i>Culex pipiens</i>	52	518	1	1.93
<i>Culex restuans</i>	37	245		
<i>Culex salinarius</i>	14	40		
<i>Culex spp.</i>	135	3146	24	7.63
<i>Culex territans</i>	11	95		
<i>Culiseta melanura</i>	52	261		
<i>Uranotaenia sapphirina</i>	2	6		
Morris	209	6786	30	4.42
<i>Aedes albopictus</i>	1	3		
<i>Aedes japonicus</i>	7	31		
<i>Aedes triseriatus</i>	2	4		
<i>Anopheles punctipennis</i>	1	4		
<i>Coquillettidia perturbans</i>	1	50		
<i>Culex spp.</i>	197	6694	30	4.48
Ocean	313	5519	11	1.99
<i>Aedes albopictus</i>	86	1335	1	0.75
<i>Aedes canadensis canadensis</i>	6	80		
<i>Aedes cantator</i>	1	9		
<i>Aedes japonicus</i>	23	51		

<i>Aedes sollicitans</i>	3	23		
<i>Aedes triseriatus</i>	10	22		
<i>Aedes vexans</i>	13	48		
<i>Anopheles bradleyi</i>	2	2		
<i>Anopheles punctipennis</i>	6	10		
<i>Anopheles quadrimaculatus</i>	2	2		
<i>Coquillettidia perturbans</i>	4	15		
<i>Culex pipiens</i>	8	248	1	4.03
<i>Culex restuans</i>	17	247		
<i>Culex salinarius</i>	13	92		
<i>Culex sp.</i>	101	3232	9	2.78
<i>Culex territans</i>	1	1		
<i>Culiseta melanura</i>	12	87		
<i>Psorophora ferox</i>	5	15		
Passaic	106	3569	30	8.41
<i>Aedes albopictus</i>	13	78		
<i>Aedes japonicus</i>	7	86		
<i>Aedes triseriatus</i>	1	2		
<i>Anopheles punctipennis</i>	1	5		
<i>Culex spp.</i>	84	3398	30	8.83
Salem	350	4469		
<i>Aedes albopictus</i>	30	120		
<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>	12	29		
<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>	13	223		
<i>Anopheles punctipennis</i>	28	396		
<i>Anopheles quadrimaculatus</i>	39	987		
<i>Coquillettidia perturbans</i>	8	92		
<i>Culex erraticus</i>	28	244		
<i>Culex pipiens</i>	12	61		
<i>Culex restuans</i>	10	22		
<i>Culex salinarius</i>	18	415		
<i>Culex spp.</i>	35	228		
<i>Culex territans</i>	8	27		
<i>Culiseta melanura</i>	47	292		
<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	234	3667	12	3.27
<i>Aedes albopictus</i>	14	53		
<i>Aedes canadensis canadensis</i>	1	2		
<i>Aedes japonicus</i>	37	289		
<i>Aedes triseriatus</i>	35	145		
<i>Anopheles barberi</i>	1	1		

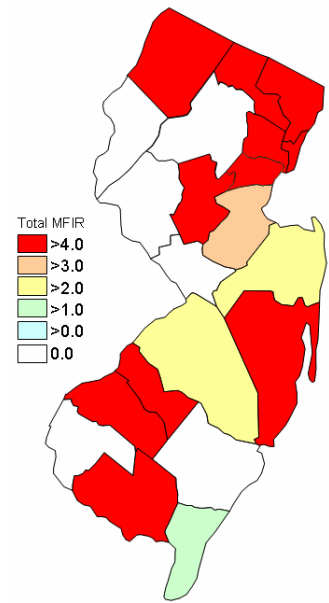
	<i>Anopheles punctipennis</i>	7	8		
	<i>Anopheles quadrimaculatus</i>	5	5		
	<i>Culex pipiens</i>	2	22		
	<i>Culex restuans</i>	2	19		
	<i>Culex spp.</i>	127	3120	12	3.85
	<i>Orthopodomyia signifera</i>	2	2		
	<i>Uranotaenia sapphirina</i>	1	1		
Sussex		344	11553	6	0.52
	<i>Aedes canadensis canadensis</i>	2	11		
	<i>Aedes cinereus</i>	2	2		
	<i>Aedes japonicus</i>	46	485		
	<i>Aedes sticticus</i>	1	1		
	<i>Aedes triseriatus</i>	22	115		
	<i>Aedes trivittatus</i>	4	32		
	<i>Aedes vexans</i>	5	35		
	<i>Anopheles punctipennis</i>	3	8		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Coquillettidia perturbans</i>	9	215		
	<i>Culex pipiens</i>	5	50		
	<i>Culex restuans</i>	7	137		
	<i>Culex salinarius</i>	2	5		
	<i>Culex spp.</i>	232	10426	6	0.58
	<i>Psorophora ferox</i>	1	1		
	<i>Uranotaenia sapphirina</i>	2	29		
Union		209	4536	33	7.28
	<i>Aedes albopictus</i>	66	588		
	<i>Aedes japonicus</i>	8	13		
	<i>Aedes sollicitans</i>	1	2		
	<i>Aedes triseriatus</i>	3	3		
	<i>Aedes vexans</i>	10	22		
	<i>Anopheles punctipennis</i>	1	2		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Culex restuans</i>	3	7		
	<i>Culex spp.</i>	110	3889	33	8.49
	<i>Psorophora columbiae</i>	5	8		
	<i>Psorophora ferox</i>	1	1		
Warren		212	9135		
	<i>Aedes japonicus</i>	2	49		
	<i>Culex spp.</i>	210	9086		
Grand Total		6508	146734	529	3.61



Cumulative activity to last week



Cumulative activity to this week



Recent Activity 9/07 to 9/20)

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 22 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