

VECTOR SURVEILLANCE IN NEW JERSEY EEE and WNV

CDC WEEK 41: October 05 to October 11, 2008

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Supported by funding from the NJ State
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
Green Bank (Burlington County)	Coastal	0.9	0.6	233	42		
Corbin City (Atlantic County)	Coastal	0.5	0	160	54		
Dennisville (Cape May County)	Coastal	1.6	0.2	557	61	(see remarks)	
Waterford (Camden County)	Inland	0.5	0.2	63	10	2	31.75
Centerton (Salem County)	Inland	1.8	0.5	450	56	1	2.22
Turkey Swamp (Monmouth County)	Inland	0.3	< 0.1	268	56		
Glassboro (Gloucester County)	Inland	no history	0.1	76	30		

*Including trial run last week in May.

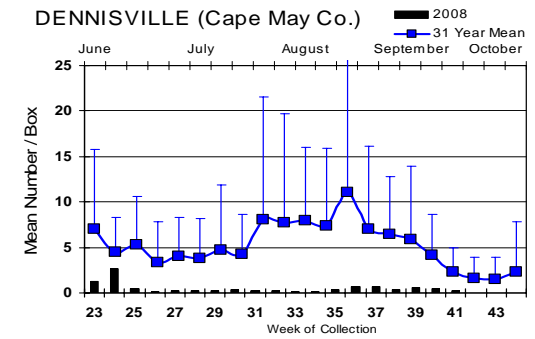
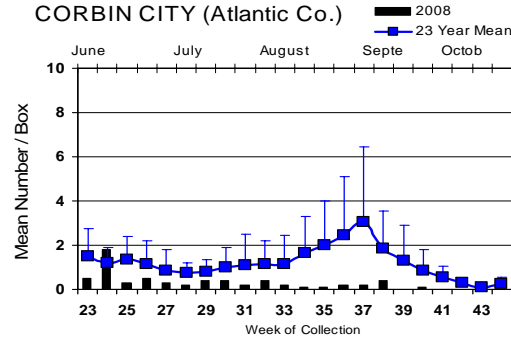
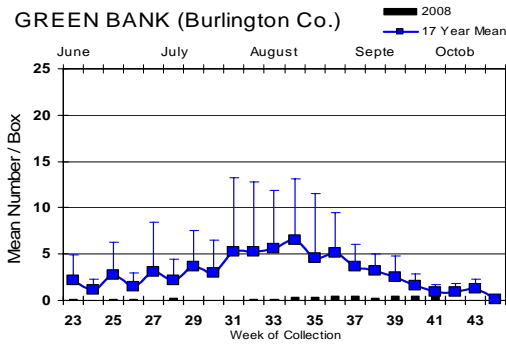
Remarks: As populations of *Cs. melanura* decrease in the waning season, no additional pools positive for eastern equine encephalitis virus has been detected.

To date, 309 pools from 1807 *Cs. melanura* mosquitoes have been sent for EEE testing from the resting box collections. Previously, an additional EEE positive pool from Cape May had been detected by the Cape May Mosquito Control Department's lab, giving a statewide cumulative total of 4 positive EEE pools. No horse or human cases have been reported to date.

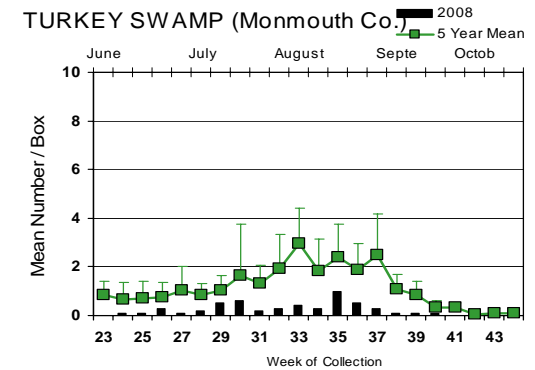
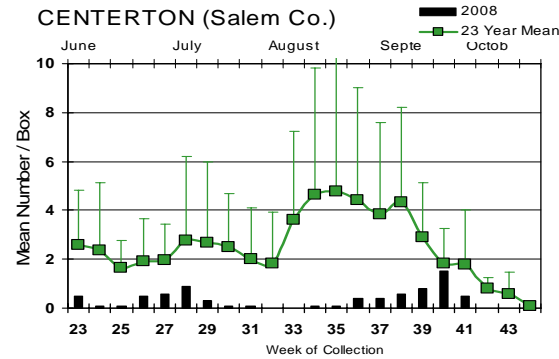
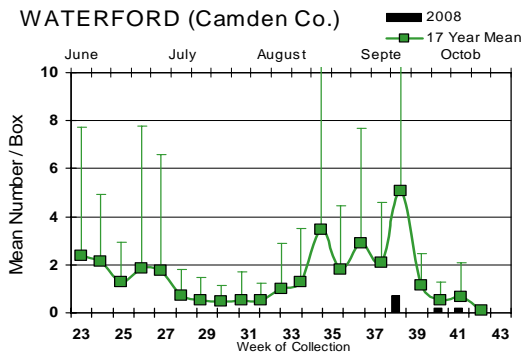
An additional 519 pools of 4609 individual mosquitoes from 31 species other than *Cs. melanura* have also been tested and all pools were found to be negative. These species include: *Aedes albopictus*, *Ae. canadensis canadensis*, *Ae. cantator*, *Ae. cinereus*, *Ae. communis*, *Ae. grossbecki*, *Ae. 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



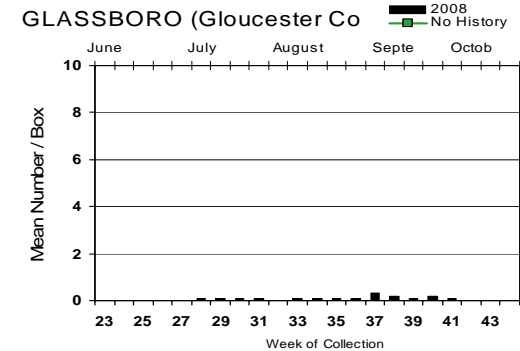
Inland



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).

All *Cs. melanura* populations dropped from the previous week, except at Waterford, which remained the same. Although rainfall and warming temperatures occurred during September and into October, this was apparently too late to increase the abundance of the second generation much toward historical levels, apart from Centerton at the end of the season. The drier conditions in August may have also reduced the number of available habitat for developing instars.



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

- equine: 13(AL), 84(FL) 22(GA) 7(LA) 1(MA) 1(ME) 6(MS) 10(NC) 5(SC) 1(TN) 2(TX) 1(VA) 1(WI)
- mosquito: 1(AR) 3(FL) 2(GA) 5(LA) 13(MA) 4(MD) 1(ME) 8(NH) 4(NJ) 4(MD) 7(VA)
- sentinel: 3(AL) 91(FL74 wild) 16[2emu](NC) emu(NH) 3(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				4	7
Alaska					
Arizona	3/4	187/199	40		61/77
Arkansas	2	19		1	8
California	2319	1805/1831	421/452	21/26	295/329
Colorado	4	61		1	79
Connecticut		187/190			7
Delaware	2		13/16		1
DC		50			
Florida	3 live		9	1	3
Georgia	2	25			2/5
Hawaii					
Idaho	3/4	7 counties		1	34/39
Illinois	30	586/626		1	13/16
Indiana	5/6	174/187			3
Iowa	3	5	3	5	8
Kansas					16/22
Kentucky	2	11		3	1
Louisiana		600	9	1	7
Maine					
Maryland		5/10		1	4
Mass.	63	131/133			
Michigan	8	1		1?	7/9
Minnesota	7	22			20/21
Mississippi		3		2	96/99
Missouri	29	215		1	9/16
Montana		5		6	5
Nebraska	10	79		2	37

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada	4	38		2	15
New Hampshire		1			
New Jersey	48/51	584/595			5/7
New Mexico		3		1/2	7
New York	136/154	348/351		2	32/36
North Carolina				1	1
North Dakota				1	42/43
Ohio	11	355			16
Oklahoma		15			8/9
Oregon	2	18			16
Pennsylvania	14	514/518		1	5
Rhode Island		10			1
South Carolina	3	7			
South Dakota	1	39		4	36/37
Tennessee		608/619			8
Texas	2	111/114		2	51
Utah	2	140	16	7	26
Vermont		1			
Virginia		667/675	1		1
Washington	19	41		37	2
West Virginia	2	36/44		2	1
Wisconsin	38			5	6
Wyoming	5	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 13 October 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	1013	9033	2	0.22
<i>Aedes atlanticus</i>	1	4		
<i>Aedes atropalpus</i>	1	1		
<i>Aedes canadensis canadensis</i>	61	1259		
<i>Aedes cantator</i>	28	367		
<i>Aedes cinereus</i>	3	5		
<i>Aedes communis</i>	1	1		
<i>Aedes grossbecki</i>	3	4		
<i>Aedes japonicus</i>	466	2056	1	0.49
<i>Aedes sollicitans</i>	53	1097		
<i>Aedes sticticus</i>	9	93		

<i>Aedes stimulans</i>	1	1		
<i>Aedes taeniorhynchus</i>	31	619		
<i>Aedes thibaulti</i>	5	13		
<i>Aedes triseriatus</i>	217	634		
<i>Aedes trivittatus</i>	19	165		
<i>Aedes vexans</i>	264	3533		
<i>Anopheles atropos</i>	1	1		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	68	1001		
<i>Anopheles crucians</i>	10	34		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	159	896		
<i>Anopheles quadrimaculatus</i>	161	1989		
<i>Coquillettidia perturbans</i>	105	941		
<i>Culex erraticus</i>	145	1069		
<i>Culex pipiens</i>	907	20167	116	5.75
<i>Culex restuans</i>	439	4752	6	1.26
<i>Culex salinarius</i>	245	9587	2	0.21
<i>Culex spp.</i>	2846	103173	468	4.54
<i>Culex territans</i>	73	307		
<i>Culiseta inornata</i>	3	5		
<i>Culiseta melanura</i>	386	2216		
<i>Orthopodomyia signifera</i>	11	20		
<i>Psorophora ciliata</i>	9	54		
<i>Psorophora columbiae</i>	31	201		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	36	177		
<i>Psorophora howardii</i>	4	11		
<i>Uranotaenia sapphirina</i>	29	170		
State Total	7850	165670	595	3.59

Remarks: Submitted pools (7,519) comprised of 161,009 individual mosquitoes produced 584 positive pools from 19 different counties.

Humans, Horses and Wild Birds: According to PHEL, two additional human cases of WNV were confirmed positive, bringing the total to date to seven. The two new cases include an 87 year old female (onset 20 Sep) in Essex County and a 63 year old male (onset 20 Sep) in Hudson County. Previously reported: a 58 year old female (onset 26 Aug) from Burlington County, 53 year old male (onset early Sep) in Camden, a 38 year old male (onset early Aug) in Union County, a 73 year old male (onset 23 Aug) in Burlington County and a 65 year old male (onset 10 Aug) in Middlesex County. For more details plus information about WNV, see the PHEL's West Nile Virus Alert and FAQ Sheets:

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

No confirmed horse cases have occurred.

To date, there have been 161 dead birds submitted for West Nile virus testing with 51 positives Last year, there were 41 positive birds from 179 submissions to this point in time.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
595 / 7,850	344 / 6,723

WNV Results by County through 06 October 2008

County	Species	Pools	Mosquitoes	Positives	MFIR
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Atlantic	327	6299	9	1.43
<i>Aedes albopictus</i>	36	748		
<i>Aedes canadensis canadensis</i>	4	13		
<i>Aedes cantator</i>	4	23		
<i>Aedes japonicus</i>	7	12		
<i>Aedes sollicitans</i>	17	585		
<i>Aedes taeniorhynchus</i>	21	505		
<i>Aedes thibaulti</i>	4	8		
<i>Aedes triseriatus</i>	8	19		
<i>Aedes vexans</i>	19	333		
<i>Anopheles atropos</i>	1	1		
<i>Anopheles bradleyi</i>	11	41		
<i>Anopheles crucians</i>	2	24		
<i>Anopheles punctipennis</i>	7	13		
<i>Anopheles quadrimaculatus</i>	2	4		
<i>Coquillettidia perturbans</i>	6	44		
<i>Culex erraticus</i>	10	133		
<i>Culex pipiens</i>	1	17		
<i>Culex restuans</i>	12	357	1	2.80
<i>Culex salinarius</i>	3	3		
<i>Culex sp.</i>	77	3208	8	2.49
<i>Culex territans</i>	9	22		
<i>Culiseta melanura</i>	58	166		
<i>Orthopodomyia signifera</i>	2	2		
<i>Psorophora columbiae</i>	1	1		
<i>Psorophora ferox</i>	4	15		
<i>Uranotaenia sapphirina</i>	1	2		
Bergen	632	30350	152	5.01
<i>Aedes albopictus</i>	25	142		
<i>Aedes canadensis canadensis</i>	1	6		
<i>Aedes japonicus</i>	31	162		
<i>Aedes sollicitans</i>	1	1		
<i>Aedes triseriatus</i>	13	42		
<i>Aedes vexans</i>	18	93		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles bradleyi</i>	6	15		
<i>Anopheles punctipennis</i>	6	35		
<i>Coquillettidia perturbans</i>	29	192		
<i>Culex pipiens</i>	97	3532	15	4.25
<i>Culex restuans</i>	32	321		
<i>Culex salinarius</i>	126	7933	1	0.13
<i>Culex spp.</i>	244	17873	136	7.61
<i>Culex territans</i>	1	1		
<i>Orthopodomyia signifera</i>	1	1		
Burlington	507	3912	5	1.28
<i>Aedes albopictus</i>	56	551		
<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>	23	68		
<i>Aedes sollicitans</i>	2	22		
<i>Aedes sticticus</i>	2	5		
<i>Aedes taeniorhynchus</i>	2	9		

<i>Aedes triseriatus</i>	17	44		
<i>Aedes trivittatus</i>	1	2		
<i>Aedes vexans</i>	61	608		
<i>Anopheles bradleyi</i>	3	15		
<i>Anopheles crucians</i>	8	10		
<i>Anopheles punctipennis</i>	21	55		
<i>Anopheles quadrimaculatus</i>	18	31		
<i>Coquillettidia perturbans</i>	22	237		
<i>Culex erraticus</i>	12	36		
<i>Culex pipiens</i>	18	178	3	16.85
<i>Culex restuans</i>	16	98	1	10.20
<i>Culex salinarius</i>	6	6		
<i>Culex sp.</i>	78	729	1	1.37
<i>Culex territans</i>	12	23		
<i>Culiseta inornata</i>	1	3		
<i>Culiseta melanura</i>	62	336		
<i>Orthopodomyia signifera</i>	3	11		
<i>Psorophora ciliata</i>	6	10		
<i>Psorophora columbiae</i>	12	41		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	5	6		
<i>Psorophora howardii</i>	1	3		
<i>Uranotaenia sapphirina</i>	10	14		
Camden	209	3701	17	4.59
<i>Aedes albopictus</i>	43	301		
<i>Aedes canadensis canadensis</i>	1	19		
<i>Aedes cantator</i>	1	22		
<i>Aedes japonicus</i>	16	33		
<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>	21	522		
<i>Culex salinarius</i>	4	15		
<i>Culex sp.</i>	67	1988	17	8.55
<i>Culiseta inornata</i>	1	1		
<i>Culiseta melanura</i>	9	52		
<i>Orthopodomyia signifera</i>	2	3		
<i>Psorophora columbiae</i>	1	1		
Cape_May	676	8313	2	0.24
<i>Aedes albopictus</i>	43	124		
<i>Aedes canadensis canadensis</i>	4	71		
<i>Aedes cantator</i>	8	82		
<i>Aedes japonicus</i>	15	26		
<i>Aedes sollicitans</i>	11	397		
<i>Aedes taeniorhynchus</i>	4	80		
<i>Aedes triseriatus</i>	3	5		
<i>Aedes vexans</i>	3	14		
<i>Anopheles bradleyi</i>	23	609		
<i>Anopheles punctipennis</i>	10	105		

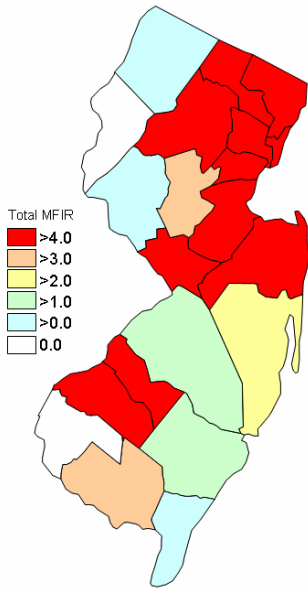
<i>Anopheles quadrimaculatus</i>	27	673		
<i>Coquillettidia perturbans</i>	4	28		
<i>Culex erraticus</i>	15	285		
<i>Culex pipiens</i>	174	2367	1	0.42
<i>Culex restuans</i>	166	1659		
<i>Culex salinarius</i>	12	426		
<i>Culex sp.</i>	69	719	1	1.39
<i>Culex territans</i>	7	21		
<i>Culiseta melanura</i>	78	622		
Cumberland	264	2282	8	3.51
<i>Aedes albopictus</i>	56	188		
<i>Aedes japonicus</i>	17	39		
<i>Aedes sticticus</i>	2	6		
<i>Aedes triseriatus</i>	8	12		
<i>Aedes vexans</i>	6	62		
<i>Anopheles bradleyi</i>	2	2		
<i>Anopheles punctipennis</i>	5	14		
<i>Anopheles quadrimaculatus</i>	2	4		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex erraticus</i>	25	82		
<i>Culex pipiens</i>	37	285	4	14.04
<i>Culex restuans</i>	12	89	1	11.24
<i>Culex salinarius</i>	3	3		
<i>Culex spp.</i>	75	1385	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	328	3915	34	8.68
<i>Aedes albopictus</i>	89	538		
<i>Aedes japonicus</i>	29	127	1	7.87
<i>Aedes triseriatus</i>	21	36		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	12	40		
<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>	155	3054	32	10.48
<i>Culex territans</i>	6	10		
<i>Psorophora columbiae</i>	1	1		
Gloucester	625	12100	53	4.38
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	65	473		

<i>Aedes canadensis canadensis</i>	7	245		
<i>Aedes communis</i>	1	1		
<i>Aedes japonicus</i>	32	136		
<i>Aedes sollicitans</i>	1	2		
<i>Aedes thibaulti</i>	1	5		
<i>Aedes triseriatus</i>	9	19		
<i>Aedes vexans</i>	9	269		
<i>Anopheles bradleyi</i>	4	86		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	24	82		
<i>Anopheles quadrimaculatus</i>	26	54		
<i>Coquillettidia perturbans</i>	8	38		
<i>Culex erraticus</i>	7	47		
<i>Culex pipiens</i>	350	10052	55	5.47
<i>Culex restuans</i>	19	591		
<i>Culex salinarius</i>	6	34		
<i>Culex territans</i>	9	81		
<i>Culiseta melanura</i>	47	150		
<i>Psorophora columbiae</i>	4	113		
<i>Psorophora ferox</i>	3	9		
<i>Uranotaenia sapphirina</i>	3	25		
Hudson	209	9952	63	6.33
<i>Culex spp.</i>	209	9952	63	6.33
Hunterdon	290	13380	7	0.52
<i>Aedes albopictus</i>	4	40		
<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>	276	13125	7	0.53
<i>Culiseta inornata</i>	1	1		
Mercer	498	5399	41	7.59
<i>Aedes albopictus</i>	212	2594	1	0.39
<i>Aedes atropalpus</i>	1	1		
<i>Aedes japonicus</i>	62	108		
<i>Aedes stimulans</i>	1	1		
<i>Aedes triseriatus</i>	25	50		
<i>Aedes vexans</i>	5	15		
<i>Anopheles punctipennis</i>	1	1		
<i>Culex erraticus</i>	16	44		
<i>Culex pipiens</i>	96	1922	33	17.17
<i>Culex restuans</i>	52	229	3	13.10
<i>Culex salinarius</i>	13	162		
<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	337	7949	44	5.44
<i>Aedes albopictus</i>	33	382		

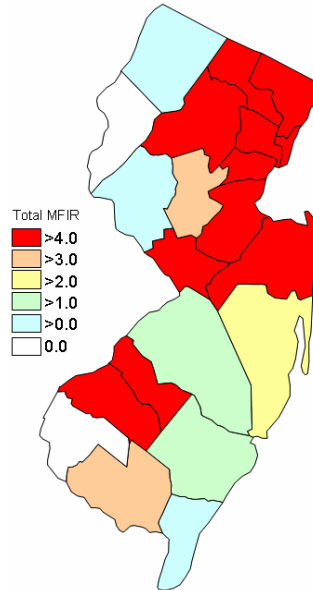
<i>Aedes japonicus</i>	12	57		
<i>Aedes triseriatus</i>	5	22		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	21	512		
<i>Culex erraticus</i>	1	1		
<i>Culex pipiens</i>	23	215	1	4.65
<i>Culex restuans</i>	11	137		
<i>Culex salinarius</i>	14	324	1	3.09
<i>Culex spp.</i>	205	6228	42	6.74
<i>Culex territans</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	560	5555	26	4.68
<i>Aedes albopictus</i>	101	643		
<i>Aedes canadensis canadensis</i>	3	18		
<i>Aedes cantator</i>	4	5		
<i>Aedes japonicus</i>	22	60		
<i>Aedes sollicitans</i>	12	43		
<i>Aedes taeniorhynchus</i>	4	25		
<i>Aedes triseriatus</i>	9	19		
<i>Aedes trivittatus</i>	3	4		
<i>Aedes vexans</i>	27	125		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	17	31		
<i>Anopheles quadrimaculatus</i>	10	20		
<i>Coquillettidia perturbans</i>	4	5		
<i>Culex erraticus</i>	9	86		
<i>Culex pipiens</i>	60	581	1	1.72
<i>Culex restuans</i>	42	254		
<i>Culex salinarius</i>	17	51		
<i>Culex spp.</i>	144	3208	25	7.79
<i>Culex territans</i>	13	104		
<i>Culiseta melanura</i>	55	265		
<i>Psorophora ferox</i>	1	1		
<i>Uranotaenia sapphirina</i>	2	6		
Morris	231	6904	31	4.49
<i>Aedes albopictus</i>	1	3		
<i>Aedes japonicus</i>	10	41		
<i>Aedes triseriatus</i>	2	4		
<i>Anopheles punctipennis</i>	1	4		
<i>Coquillettidia perturbans</i>	1	50		
<i>Culex spp.</i>	216	6802	31	4.56
Ocean	388	5862	13	2.22
<i>Aedes albopictus</i>	104	1396	1	0.72
<i>Aedes canadensis canadensis</i>	9	85		
<i>Aedes cantator</i>	1	9		
<i>Aedes japonicus</i>	27	55		
<i>Aedes sollicitans</i>	6	43		
<i>Aedes triseriatus</i>	11	23		
<i>Aedes trivittatus</i>	1	1		

<i>Aedes vexans</i>	21	92		
<i>Anopheles bradleyi</i>	2	2		
<i>Anopheles punctipennis</i>	6	10		
<i>Anopheles quadrimaculatus</i>	5	15		
<i>Coquillettidia perturbans</i>	5	16		
<i>Culex pipiens</i>	9	249	1	4.02
<i>Culex restuans</i>	22	252		
<i>Culex salinarius</i>	14	94		
<i>Culex sp.</i>	119	3380	11	3.25
<i>Culex territans</i>	2	2		
<i>Culiseta melanura</i>	15	94		
<i>Psorophora ferox</i>	8	21		
<i>Uranotaenia sapphirina</i>	1	23		
Passaic	121	3859	32	8.29
<i>Aedes albopictus</i>	17	97		
<i>Aedes japonicus</i>	8	89		
<i>Aedes triseriatus</i>	1	2		
<i>Anopheles punctipennis</i>	1	5		
<i>Culex spp.</i>	94	3666	32	8.73
Salem	431	5141		
<i>Aedes albopictus</i>	35	128		
<i>Aedes atlanticus</i>	1	4		
<i>Aedes canadensis canadensis</i>	7	181		
<i>Aedes cantator</i>	6	78		
<i>Aedes grossbecki</i>	2	3		
<i>Aedes japonicus</i>	13	31		
<i>Aedes sollicitans</i>	1	1		
<i>Aedes sticticus</i>	4	81		
<i>Aedes triseriatus</i>	18	37		
<i>Aedes vexans</i>	23	877		
<i>Anopheles bradleyi</i>	17	231		
<i>Anopheles punctipennis</i>	31	431		
<i>Anopheles quadrimaculatus</i>	49	1131		
<i>Coquillettidia perturbans</i>	9	93		
<i>Culex erraticus</i>	47	337		
<i>Culex pipiens</i>	16	65		
<i>Culex restuans</i>	13	38		
<i>Culex salinarius</i>	23	528		
<i>Culex spp.</i>	36	233		
<i>Culex territans</i>	8	27		
<i>Culiseta melanura</i>	55	431		
<i>Psorophora columbiae</i>	4	27		
<i>Psorophora ferox</i>	6	83		
<i>Psorophora howardii</i>	1	4		
<i>Uranotaenia sapphirina</i>	6	61		
Somerset	294	4138	14	3.38
<i>Aedes albopictus</i>	18	64		
<i>Aedes canadensis canadensis</i>	1	2		
<i>Aedes japonicus</i>	46	316		
<i>Aedes triseriatus</i>	38	154		
<i>Aedes trivittatus</i>	6	105		
<i>Aedes vexans</i>	5	121		

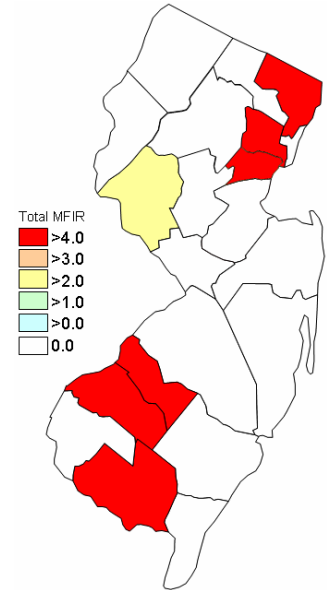
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles punctipennis</i>	9	10		
	<i>Anopheles quadrimaculatus</i>	7	7		
	<i>Culex pipiens</i>	2	22		
	<i>Culex restuans</i>	2	19		
	<i>Culex spp.</i>	151	3276	14	4.27
	<i>Orthopodomyia signifera</i>	2	2		
	<i>Psorophora ferox</i>	5	38		
	<i>Uranotaenia sapphirina</i>	1	1		
Sussex		430	12138	7	0.58
	<i>Aedes canadensis canadensis</i>	2	11		
	<i>Aedes cinereus</i>	2	2		
	<i>Aedes japonicus</i>	84	627		
	<i>Aedes sticticus</i>	1	1		
	<i>Aedes triseriatus</i>	24	141		
	<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>	10	219		
	<i>Culex pipiens</i>	6	54		
	<i>Culex restuans</i>	11	143		
	<i>Culex salinarius</i>	2	5		
	<i>Culex spp.</i>	272	10829	7	0.65
	<i>Psorophora ferox</i>	1	1		
	<i>Uranotaenia sapphirina</i>	2	29		
Union		248	4739	35	7.39
	<i>Aedes albopictus</i>	75	621		
	<i>Aedes japonicus</i>	9	14		
	<i>Aedes sollicitans</i>	2	3		
	<i>Aedes triseriatus</i>	3	3		
	<i>Aedes vexans</i>	19	88		
	<i>Anopheles punctipennis</i>	3	5		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Culex pipiens</i>	4	23	1	43.48
	<i>Culex restuans</i>	7	29		
	<i>Culex salinarius</i>	2	3		
	<i>Culex spp.</i>	117	3940	34	8.63
	<i>Psorophora columbiae</i>	5	8		
	<i>Psorophora ferox</i>	1	1		
Warren		233	9360		
	<i>Aedes japonicus</i>	2	49		
	<i>Culex spp.</i>	231	9311		
Grand Total		7850	165670	595	3.59



Cumulative activity to last week



Cumulative activity to this week



Recent Activity 9/28 to 10/13)

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 06 October 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