

VECTOR SURVEILLANCE IN NEW JERSEY
EEE and WNV
CDC WEEK 40: September 28 to October 04, 2008

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	2.5	0.5	205	38		
Corbin City (Atlantic County)	Coastal	0.8	< 0.1	160	54		
Dennisville (Cape May County)	Coastal	2.3	0.5	548	57	(see remarks)	
Waterford (Camden County)	Inland	1.2	0.2	51	7	2	39.2
Centerton (Salem County)	Inland	1.8	1.5	419	52	1	2.39
Turkey Swamp (Monmouth County)	Inland	0.3	< 0.1	267	55		
Glassboro (Gloucester County)	Inland	no history	0.2	69	28		

*Including trial run last week in May.

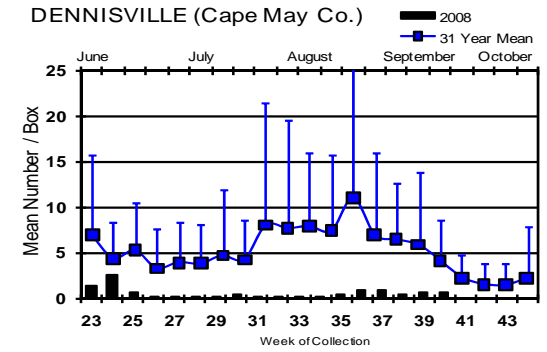
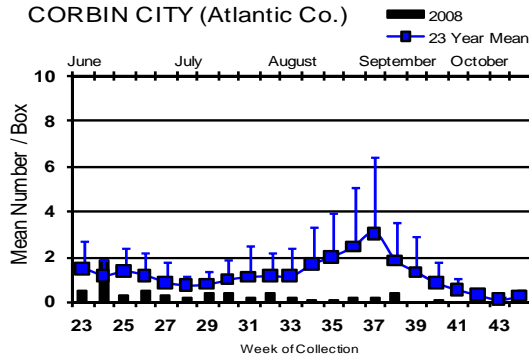
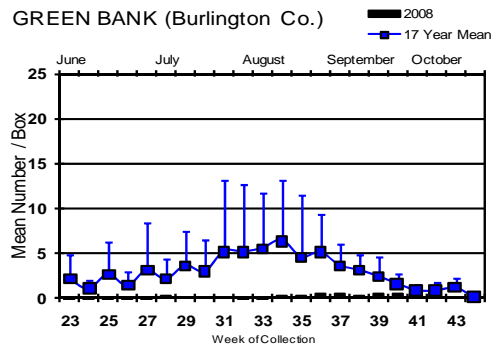
Remarks: Since last week's detection of two more EEE positive pools, no additional positive pools have been found. Historical populations of *Cs. melanura* have generally been on the decline at this point in the season. Overwintering larvae are in the crypts with older instars forming the first emergence of the spring. There is little indication of transovarial transmission of EEE directly from one generation of mosquitoes to the next (i.e., next year's amount of virus is not directly related by the degree that the previous generation is infected when virus is more likely being transmitted to mosquitoes by a long-lived avian host).

To date, 291 pools from 1719 *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.

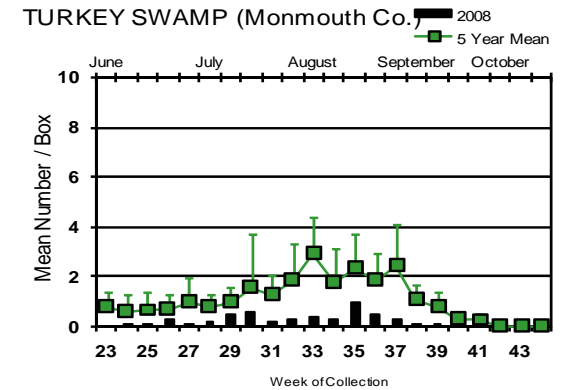
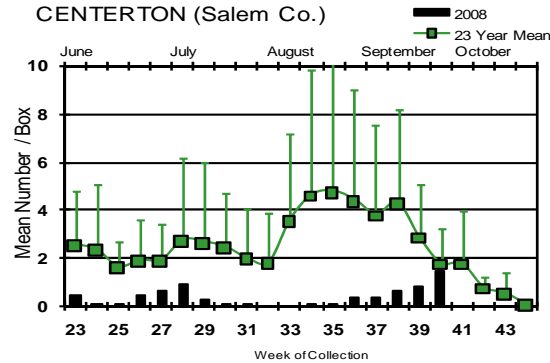
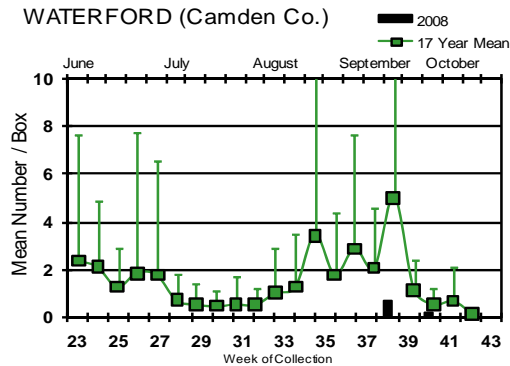
An additional 481 pools of 4176 individual mosquitoes from 31 species other than *Cs. melanura* have also been tested and all pools were found to be negative. These species include: *Aedes albopictus*, *Ae. canadensis canadensis*, *Ae. cantator*, *Ae. cinereus*, *Ae. communis*, *Ae. grossbecki*, *Ae. 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



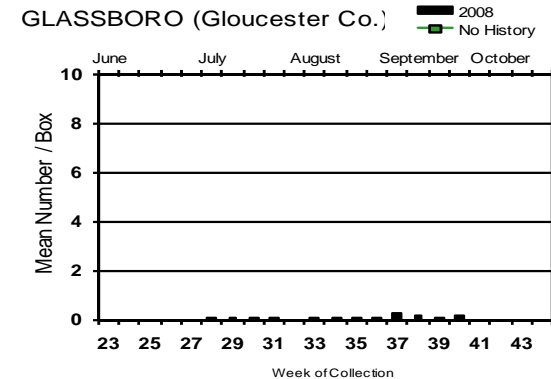
Inland



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 at the first positive site (Centerton) are increasing to the historical average for this week. Most of the other monitoring sites have also increased, but remain either well below historical averages or at about the same level. This has occurred at the time of seasonal decline in the historical average.



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

- equine: 13(AL), 84(FL) 22(GA) 4(LA) 1(MA) 1(ME) 6(MS) 10(NC) 5(SC) 1(TN) 1(WI)
- mosquito: 1(AR) 3(FL) 2(GA) 5(LA) 13(MA) 4(MD) 3(NH) 4(NJ) 4(MD) 7(VA)
- sentinel: 3(AL) 91(FL74 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				1/4	7
Alaska					
Arizona	3	157/187	40		49/61
Arkansas	2	20		1	8
California	2232	1765/1805	301/421	21	278/295
Colorado	4	61		1	79
Connecticut		187			6/7
Delaware	2		5/13		1
DC		50			
Florida	3 live		9	1	3
Georgia	2	8/25			2
Hawaii					
Idaho	3	7 counties		1	34
Illinois	30	586		1	13
Indiana	5	154/174			3
Iowa	3	5	3	4/5	8
Kansas					12/16
Kentucky	2	11		3	1
Louisiana		600	9	1	7
Maine					
Maryland		5		1	9
Mass.	63	131			
Michigan	3/8	1		1?	7
Minnesota	7	22			20
Mississippi		3		3	96
Missouri	29	193/215		1	9
Montana		5		6	5
Nebraska	10	79		2	37/40

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada	4	38		2	15
New Hampshire		1			
New Jersey	47/48	568/584			3/5
New Mexico		3		1	5/7
New York	136	348		2	32
North Carolina				1	1
North Dakota				1	42
Ohio	9/11	337/355			10/16
Oklahoma		15			8
Oregon	1/2	18			16
Pennsylvania	14	508/514		1	5
Rhode Island		10			
South Carolina	3	7			
South Dakota	1	38/39		3/4	35/36
Tennessee		592/608			8
Texas	2	111		2	51
Utah	2	140	16	7	26
Vermont		1			
Virginia		667	1		1
Washington	10/19	41		35/37	2
West Virginia	2	36		2	1
Wisconsin	34/38			4/5	5/6
Wyoming	5	14		1	7/8

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 06 October 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	966	8858	2	0.23
<i>Aedes atlanticus</i>	1	4		
<i>Aedes atropalpus</i>	1	1		
<i>Aedes canadensis canadensis</i>	58	1256		
<i>Aedes cantator</i>	27	362		
<i>Aedes cinereus</i>	3	5		
<i>Aedes communis</i>	1	1		
<i>Aedes grossbecki</i>	3	4		
<i>Aedes japonicus</i>	441	1956	1	0.51
<i>Aedes sollicitans</i>	48	862		
<i>Aedes sticticus</i>	7	87		

<i>Aedes stimulans</i>	1	1		
<i>Aedes taeniorhynchus</i>	30	593		
<i>Aedes thibaulti</i>	5	13		
<i>Aedes triseriatus</i>	212	626		
<i>Aedes trivittatus</i>	15	117		
<i>Aedes vexans</i>	244	3300		
<i>Anopheles atropos</i>	1	1		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	64	985		
<i>Anopheles crucians</i>	10	34		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	157	894		
<i>Anopheles quadrimaculatus</i>	158	1974		
<i>Coquillettidia perturbans</i>	103	934		
<i>Culex erraticus</i>	133	959		
<i>Culex pipiens</i>	873	19527	112	5.74
<i>Culex restuans</i>	414	4623	6	1.30
<i>Culex salinarius</i>	240	9237	2	0.22
<i>Culex spp.</i>	2737	100751	461	4.58
<i>Culex territans</i>	73	307		
<i>Culiseta inornata</i>	3	5		
<i>Culiseta melanura</i>	378	2189		
<i>Orthopodomyia signifera</i>	11	20		
<i>Psorophora ciliata</i>	9	54		
<i>Psorophora columbiae</i>	30	196		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	30	139		
<i>Psorophora howardii</i>	4	11		
<i>Uranotaenia sapphirina</i>	22	109		
State Total	7519	161009	584	3.63

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

Humans, Horses and Wild Birds: Previously reported: 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). PHEL reported two more cases, one including last week's probable in Camden (53 year old male) and the second occurring in Union County (38 year old male, onset early August). For more details, see the PHEL's summary sheet:

http://www.state.nj.us/health/cd/westnile/documents/wnv_summary_oct03_08.pdf

No confirmed horse cases have occurred.

To date, there have been 157 dead birds submitted for West Nile virus testing with 49 positives Last year, there were 41 positive birds from 178 submissions to this point in time.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
584 / 7,519	342 / 6,443

WNV Results by County through 06 October 2008

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		310	5974	9	1.51
	<i>Aedes albopictus</i>	35	746		
	<i>Aedes canadensis canadensis</i>	3	12		

<i>Aedes cantator</i>	3	18		
<i>Aedes japonicus</i>	6	7		
<i>Aedes sollicitans</i>	12	350		
<i>Aedes taeniorhynchus</i>	20	479		
<i>Aedes thibaulti</i>	4	8		
<i>Aedes triseriatus</i>	8	19		
<i>Aedes vexans</i>	17	311		
<i>Anopheles atropos</i>	1	1		
<i>Anopheles bradleyi</i>	9	35		
<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>	76	3188	8	2.51
<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>	3	14		
Bergen	612	29317	148	5.05
<i>Aedes albopictus</i>	24	119		
<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>	17	90		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles bradleyi</i>	5	8		
<i>Anopheles punctipennis</i>	6	35		
<i>Coquillettidia perturbans</i>	27	185		
<i>Culex pipiens</i>	97	3532	15	4.25
<i>Culex restuans</i>	32	321		
<i>Culex salinarius</i>	121	7583	1	0.13
<i>Culex spp.</i>	234	17230	132	7.66
<i>Culex territans</i>	1	1		
<i>Orthopodomyia signifera</i>	1	1		
Burlington	486	3773	5	1.33
<i>Aedes albopictus</i>	52	543		
<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>	22	67		
<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>	55	505		
<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>	72	711	1	1.41
<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>	11	36		
<i>Psorophora cyanescens</i>	1	1		
<i>Psorophora ferox</i>	4	5		
<i>Psorophora howardii</i>	1	3		
<i>Uranotaenia sapphirina</i>	8	11		
Camden	205	3674	16	4.35
<i>Aedes albopictus</i>	42	300		
<i>Aedes canadensis canadensis</i>	1	19		
<i>Aedes cantator</i>	1	22		
<i>Aedes japonicus</i>	15	32		
<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>	65	1963	16	8.15
<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	612	7836	2	0.26
<i>Aedes albopictus</i>	32	84		
<i>Aedes canadensis canadensis</i>	4	71		
<i>Aedes cantator</i>	8	82		
<i>Aedes japonicus</i>	14	24		
<i>Aedes sollicitans</i>	11	397		
<i>Aedes taeniorhynchus</i>	4	80		
<i>Aedes triseriatus</i>	2	4		
<i>Aedes vexans</i>	3	14		
<i>Anopheles bradleyi</i>	23	609		
<i>Anopheles punctipennis</i>	10	105		
<i>Anopheles quadrimaculatus</i>	25	659		
<i>Coquillettidia perturbans</i>	4	28		
<i>Culex erraticus</i>	13	203		
<i>Culex pipiens</i>	156	2201	1	0.45

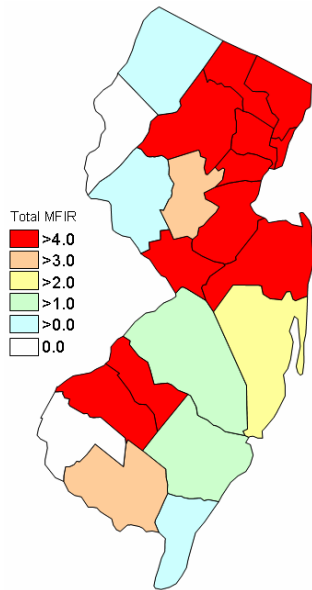
<i>Culex restuans</i>	147	1539		
<i>Culex salinarius</i>	12	426		
<i>Culex sp.</i>	67	694	1	1.44
<i>Culex territans</i>	7	21		
<i>Culiseta melanura</i>	70	595		
Cumberland	244	2170	7	3.23
<i>Aedes albopictus</i>	50	166		
<i>Aedes japonicus</i>	17	39		
<i>Aedes sticticus</i>	1	1		
<i>Aedes triseriatus</i>	8	12		
<i>Aedes vexans</i>	5	41		
<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>	21	67		
<i>Culex pipiens</i>	32	242	3	12.40
<i>Culex restuans</i>	10	84	1	11.90
<i>Culex salinarius</i>	3	3		
<i>Culex spp.</i>	74	1384	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	625	12100	53	4.38
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	63	470		
<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>	23	81		
<i>Anopheles quadrimaculatus</i>	26	54		
<i>Coquillettia perturbans</i>	8	38		
<i>Culex erraticus</i>	7	47		
<i>Culex pipiens</i>	341	9634	53	5.50
<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	194	9269	63	6.80
<i>Culex spp.</i>	194	9269	63	6.80
Hunterdon	270	12654	5	0.40
<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>	256	12399	5	0.40
<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		

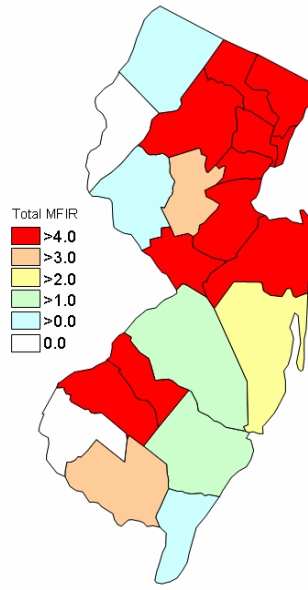
	<i>Culex erraticus</i>	1	1		
	<i>Culex pipiens</i>	23	215	1	4.65
	<i>Culex restuans</i>	11	137		
	<i>Culex salinarius</i>	14	324	1	3.09
	<i>Culex spp.</i>	205	6228	42	6.74
	<i>Culex territans</i>	3	10		
	<i>Psorophora ciliata</i>	3	44		
	<i>Psorophora columbiae</i>	1	4		
	<i>Psorophora ferox</i>	1	1		
	<i>Psorophora howardii</i>	1	3		
	<i>Uranotaenia sapphirina</i>	2	8		
Monmouth		559	5547	26	4.69
	<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>	143	3200	25	7.81
	<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		220	6865	31	4.52
	<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>	205	6763	31	4.58
Ocean		363	5804	13	2.24
	<i>Aedes albopictus</i>	97	1376	1	0.73
	<i>Aedes canadensis canadensis</i>	7	83		
	<i>Aedes cantator</i>	1	9		
	<i>Aedes japonicus</i>	24	52		
	<i>Aedes sollicitans</i>	6	43		
	<i>Aedes triseriatus</i>	11	23		
	<i>Aedes trivittatus</i>	1	1		
	<i>Aedes vexans</i>	17	81		
	<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>	19	249		
<i>Culex salinarius</i>	14	94		
<i>Culex sp.</i>	114	3363	11	3.27
<i>Culex territans</i>	2	2		
<i>Culiseta melanura</i>	15	94		
<i>Psorophora ferox</i>	7	19		
<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	410	5055		
<i>Aedes albopictus</i>	34	127		
<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>	12	29		
<i>Aedes sollicitans</i>	1	1		
<i>Aedes sticticus</i>	3	80		
<i>Aedes triseriatus</i>	15	31		
<i>Aedes vexans</i>	22	876		
<i>Anopheles bradleyi</i>	16	228		
<i>Anopheles punctipennis</i>	31	431		
<i>Anopheles quadrimaculatus</i>	48	1130		
<i>Coquillettidia perturbans</i>	9	93		
<i>Culex erraticus</i>	41	324		
<i>Culex pipiens</i>	15	64		
<i>Culex restuans</i>	12	37		
<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>	2	5		
Somerset	274	3962	14	3.53
<i>Aedes albopictus</i>	16	58		
<i>Aedes canadensis canadensis</i>	1	2		
<i>Aedes japonicus</i>	43	308		
<i>Aedes triseriatus</i>	37	153		
<i>Aedes trivittatus</i>	2	57		
<i>Aedes vexans</i>	1	50		
<i>Anopheles barberi</i>	1	1		
<i>Anopheles punctipennis</i>	8	9		
<i>Anopheles quadrimaculatus</i>	7	7		

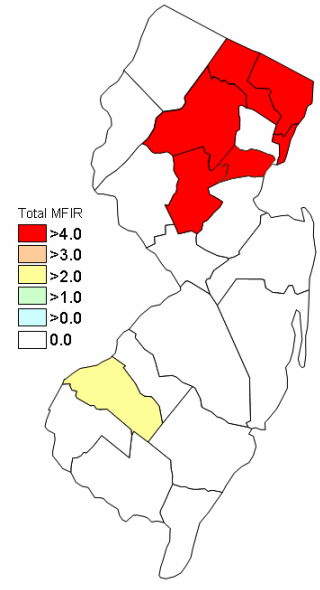
	<i>Culex pipiens</i>	2	22		
	<i>Culex restuans</i>	2	19		
	<i>Culex spp.</i>	149	3269	14	4.28
	<i>Orthopodomyia signifera</i>	2	2		
	<i>Psorophora ferox</i>	2	4		
	<i>Uranotaenia sapphirina</i>	1	1		
Sussex		406	11945	7	0.59
	<i>Aedes canadensis canadensis</i>	2	11		
	<i>Aedes cinereus</i>	2	2		
	<i>Aedes japonicus</i>	74	565		
	<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>	258	10698	7	0.65
	<i>Psorophora ferox</i>	1	1		
	<i>Uranotaenia sapphirina</i>	2	29		
Union		247	4727	34	7.19
	<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>	3	11		
	<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		226	9303		
	<i>Aedes japonicus</i>	2	49		
	<i>Culex spp.</i>	224	9254		
Grand Total		7519	161009	584	3.63



Cumulative activity to last week



Cumulative activity to this week



Recent Activity 9/21 to 10/06

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