

VECTOR SURVEILLANCE IN NEW JERSEY
EEE and WNV
CDC WEEK 39: September 21 to September 27, 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	2.5	0.5	177	34		
Corbin City (Atlantic County)	Coastal	1.3	0	158	53		
Dennisville (Cape May County)	Coastal	4.2	0.6	525	53	(see remarks)	
Waterford (Camden County)	Inland	5.1	0	35	4	2	57.14
Centerton (Salem County)	Inland	2.9	0.8	325	48	1	3.08
Turkey Swamp (Monmouth County)	Inland	0.9	< 0.1	265	53		
Glassboro (Gloucester County)	Inland	no history	0.1	58	25		

*Including trial run last week in May.

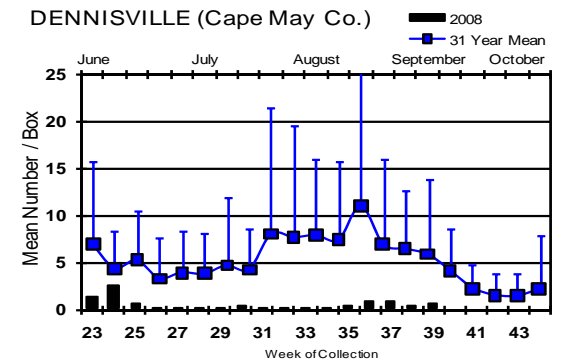
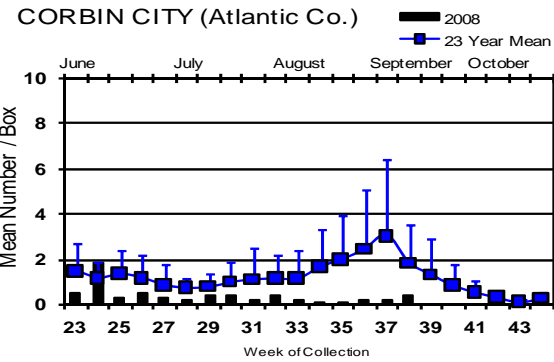
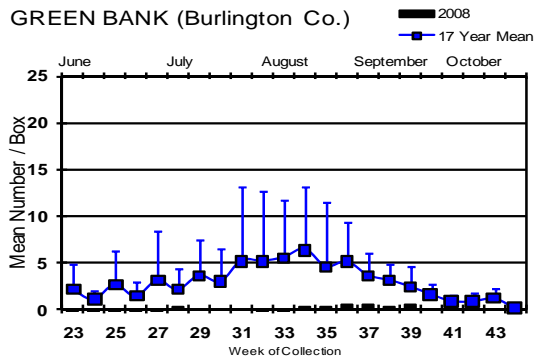
Remarks: Two additional positive EEE pools were detected at the Waterford monitoring site after a season-long absence of *Culiseta melanura*. These positive pools came at a time when historical trends at Waterford peaked (see population graph next page). This week, at this same site, the enzootic vector population is back down to zero captures in the resting boxes. The MFIR calculates out to a astounding 57. Last year in October, the Waterford site recorded the largest population peak for that site in its 17 years of operation, amid an otherwise unremarkable season.

To date, 270 pools from 1483 *Cs. melanura* mosquitoes have been sent for EEE testing from the resting box collections. 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 4 positive pools. No horse or human cases have been reported to date.

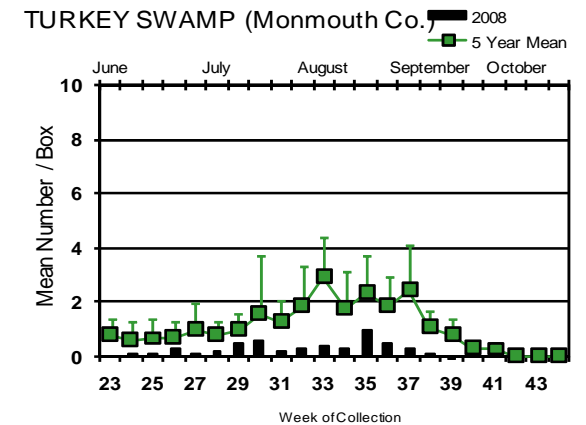
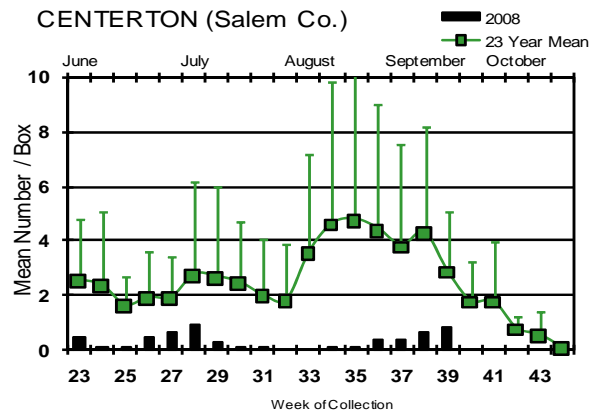
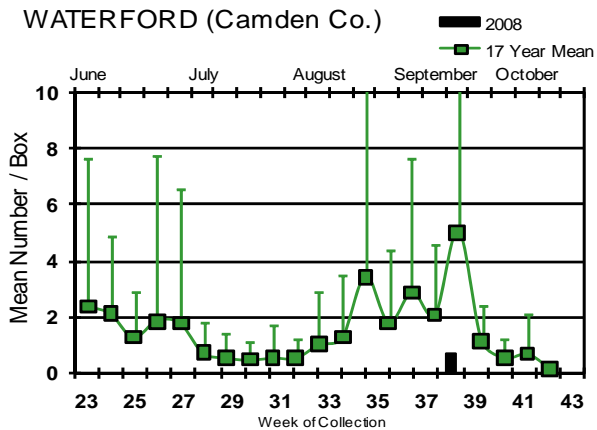
An additional 475 pools of 4117 individual mosquitoes from 31 species other than *Cs. melanura* have also been tested and all pools were found to be negative. These species include: *Aedes albopictus*, *Ae. canadensis canadensis*, *Ae. cantator*, *Ae. cinereus*, *Ae. communis*, *Ae. grossbecki*, *Ae. 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



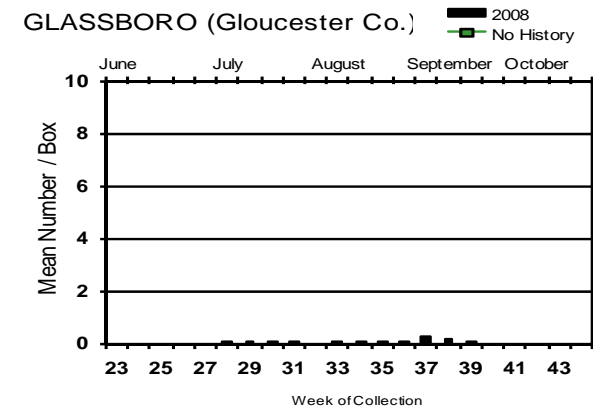
Inland



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 populations again disappeared from the resting boxes at the Waterford site, one week after positive pools were detected there. Populations at all monitoring sites remain low.



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) 4(SC) 1(TN) 1(WI)
- mosquito: 1(AR) 3(FL) 2(GA) 5(LA) 10(MA) 4(MD) 3(NH) 4(NJ) 4(MD) 7(VA)
- sentinel: 3(AL) 91(FL) 74(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	151/157	39/40		43/49
Arkansas	2	15/20		1	7/8
California	1965/2232	1723/1765	255/301	18/21	236/278
Colorado	4	55/61		1	71/79
Connecticut		174/187			6
Delaware			5		1
Florida	3 live		7/9	1	3
Georgia		8			
Hawaii					
Idaho	3	7 counties		1	32/34
Illinois	18/30	482/586		1	6/13
Indiana	4/5	152/154			2/3
Iowa	3	4/5	2/3	3/4	8
Kansas					12/16
Kentucky	2	4/11		1/3	1
Louisiana		600	9	1	7
Maine					
Maryland		5		1	6/9
Mass.	57/63	116/131			
Michigan	3	1		1?	5/7
Minnesota	7	18/22			17/20
Mississippi		3		2/3	86/96
Missouri	29	191/193		1	8/10
Montana		5		4/6	4/5
Nebraska	10	79		1/2	29/37

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Nevada	3/4	31/38		2	11/15
New Hampshire		1			
New Jersey	39/47	528/568			3
New Mexico		3		1	4/5
New York	102/136	325/348		1/2	21/32
North Carolina				1	1
North Dakota				1	40/42
Ohio	9	246/337			6/10
Oklahoma		12/15			8
Oregon	1	16/18			4/16
Pennsylvania	12/14	480/508		1	5
Rhode Island		10			
South Carolina	3	5/7			
South Dakota	1	38/39		3/4	35/36
Tennessee		523/592			8
Texas	1/2	100/111		1/2	41/53
Utah	2	140	15/16	3/7	20/26
Vermont		1			
Virginia		571/667	1		1
Washington	6/10	41		27/35	2
West Virginia	2	10/36		2	1
Wisconsin	31/34			3/4	5
Wyoming	1/5	14		1	7

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.

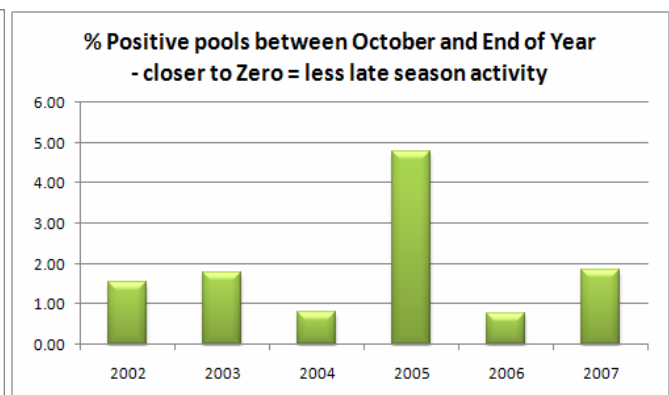
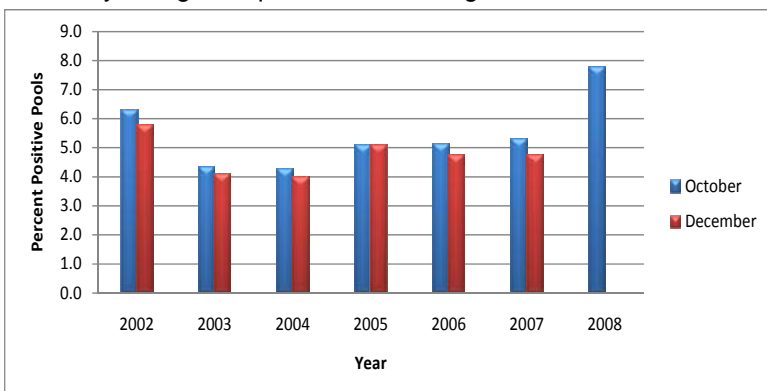
Mosquito Species Submitted for West Nile Virus Testing through 02 October 2008

Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes abserratus</i>	1	9		
<i>Aedes albopictus</i>	923	8426	2	0.24
<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>	432	1947	1	0.51
<i>Aedes sollicitans</i>	46	844		
<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>	211	623		
<i>Aedes trivittatus</i>	15	117		
<i>Aedes vexans</i>	236	3277		
<i>Anopheles atropos</i>	1	1		
<i>Anopheles barberi</i>	3	3		
<i>Anopheles bradleyi</i>	62	973		
<i>Anopheles crucians</i>	10	34		
<i>Anopheles earlei</i>	1	1		
<i>Anopheles punctipennis</i>	151	869		
<i>Anopheles quadrimaculatus</i>	152	1883		
<i>Coquillettidia perturbans</i>	103	934		
<i>Culex erraticus</i>	126	828		
<i>Culex pipiens</i>	832	19208	110	5.73
<i>Culex restuans</i>	381	4445	6	1.35
<i>Culex salinarius</i>	235	8935	2	0.22
<i>Culex spp.</i>	2661	98560	447	4.54
<i>Culex territans</i>	72	306		
<i>Culiseta inornata</i>	3	5		
<i>Culiseta melanura</i>	356	2010		
<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	7257	157095	568	3.62

Remarks: Submitted pools (7,257) comprised of 157,095 individual mosquitoes produced 568 positive pools from 19 different counties.

When do we end the arbovirus surveillance season? Traditionally, we look to October 15th as a potential end date to the New Jersey arboviral surveillance season. This date is modified depending on the amount of viral activity, weather and ultimately on the amount of adult mosquitoes present. In the graph to the left are the percent positive pools from pools submitted ending to date in October (blue) and then also for the entire year (red) from 2002-2008 (this is NOT MFIR values). The higher 2008 value represents the higher activity this year (but note that it is almost entirely within the enzootic vectors while early years include a variety of mosquito species). The green graph shows the number of positives found after Oct 2nd from 2002-2007. Green bars closer to zero suggests less late season activity. Of course, the season may ultimately end with a widespread hard frost, effectively killing mosquitoes on the wing.



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). A fourth probable case was reported from Camden County (onset early September). For more details, see the PHEL's summary sheet:

http://www.state.nj.us/health/cd/westnile/documents/wnv_summary_sep26_08.pdf

No confirmed horse cases have occurred.

To date, there have been 155 dead birds submitted for West Nile virus testing with 47 positives Last year, there were 40 positive birds from 170 submissions to this point in time.

2008 Positive Mosquito pools to date / Total Mosquito Pools Submitted	This time last year
568 / 7,257	325 / 6,120

WNV Results by County through 02 October 2008

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		307	5970	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>	6	12		
	<i>Anopheles quadrimaculatus</i>	2	4		
	<i>Coquillettidia perturbans</i>	6	44		
	<i>Culex erraticus</i>	9	132		
	<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>	57	164		
	<i>Orthopodomyia signifera</i>	2	2		
	<i>Psorophora columbiae</i>	1	1		
	<i>Psorophora ferox</i>	3	14		
Bergen		590	27864	139	4.99
	<i>Aedes albopictus</i>	24	119		
	<i>Aedes canadensis candensis</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>	16	87		
	<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>	96	3507	15	4.28
	<i>Culex restuans</i>	32	321		
	<i>Culex salinarius</i>	117	7283	1	0.14

<i>Culex spp.</i>	218	16105	123	7.64
<i>Culex territans</i>	1	1		
<i>Orthopodomyia signifera</i>	1	1		
Burlington	482	3745	5	1.34
<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>	58	308		
<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	202	3658	16	4.37
<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>	6	36		

<i>Orthopodomyia signifera</i>	2	3		
<i>Psorophora columbiae</i>	1	1		
Cape_May	471	6914	1	0.14
<i>Aedes albopictus</i>	7	15		
<i>Aedes canadensis canadensis</i>	4	71		
<i>Aedes cantator</i>	8	82		
<i>Aedes japonicus</i>	7	17		
<i>Aedes sollicitans</i>	9	379		
<i>Aedes taeniorhynchus</i>	4	80		
<i>Aedes triseriatus</i>	1	1		
<i>Aedes vexans</i>	2	13		
<i>Anopheles bradleyi</i>	22	599		
<i>Anopheles punctipennis</i>	9	104		
<i>Anopheles quadrimaculatus</i>	21	606		
<i>Coquillettidia perturbans</i>	4	28		
<i>Culex erraticus</i>	10	104		
<i>Culex pipiens</i>	124	2021	1	0.49
<i>Culex restuans</i>	117	1382		
<i>Culex salinarius</i>	12	426		
<i>Culex sp.</i>	41	399		
<i>Culex territans</i>	6	20		
<i>Culiseta melanura</i>	63	567		
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		

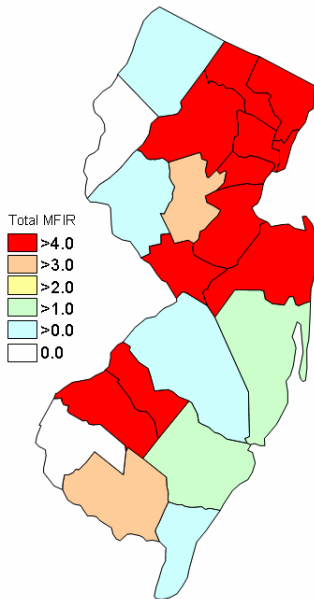
	<i>Aedes vexans</i>	11	39		
	<i>Anopheles punctipennis</i>	6	6		
	<i>Anopheles quadrimaculatus</i>	4	11		
	<i>Coquillettidia perturbans</i>	2	2		
	<i>Culex pipiens</i>	1	75	1	13.33
	<i>Culex restuans</i>	1	14		
	<i>Culex spp.</i>	143	3032	32	10.55
	<i>Culex territans</i>	6	10		
	<i>Psorophora columbiae</i>	1	1		
Gloucester		617	11988	51	4.25
	<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>	22	78		
	<i>Anopheles quadrimaculatus</i>	25	52		
	<i>Coquillettidia perturbans</i>	8	38		
	<i>Culex erraticus</i>	6	45		
	<i>Culex pipiens</i>	339	9540	51	5.35
	<i>Culex restuans</i>	19	591		
	<i>Culex salinarius</i>	6	34		
	<i>Culex territans</i>	9	81		
	<i>Culiseta melanura</i>	44	139		
	<i>Psorophora columbiae</i>	4	113		
	<i>Psorophora ferox</i>	3	9		
	<i>Uranotaenia sapphirina</i>	3	25		
Hudson		181	8848	61	6.89
	<i>Culex spp.</i>	181	8848	61	6.89
Hunterdon		269	12604	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>	255	12349	5	0.40
	<i>Culiseta inornata</i>	1	1		
Mercer		480	5042	41	8013
	<i>Aedes albopictus</i>	203	2278	1	0.44
	<i>Aedes atropalpus</i>	1	1		
	<i>Aedes japonicus</i>	61	107		
	<i>Aedes stimulans</i>	1	1		

	<i>Aedes triseriatus</i>	25	50		
	<i>Aedes vexans</i>	4	14		
	<i>Anopheles punctipennis</i>	1	1		
	<i>Culex erraticus</i>	16	44		
	<i>Culex pipiens</i>	92	1904	33	17.33
	<i>Culex restuans</i>	49	208	3	14.42
	<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		327	7780	44	5.66
	<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>	196	6067	42	6.92
	<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		552	5519	26	4.71
	<i>Aedes albopictus</i>	100	633		
	<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>	26	122		
	<i>Anopheles barberi</i>	1	1		
	<i>Anopheles punctipennis</i>	16	30		
	<i>Anopheles quadrimaculatus</i>	10	20		
	<i>Coquillettidia perturbans</i>	4	5		
	<i>Culex erraticus</i>	9	86		
	<i>Culex pipiens</i>	59	580	1	1.72
	<i>Culex restuans</i>	42	254		
	<i>Culex salinarius</i>	16	49		
	<i>Culex spp.</i>	141	3189	25	7.84
	<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		

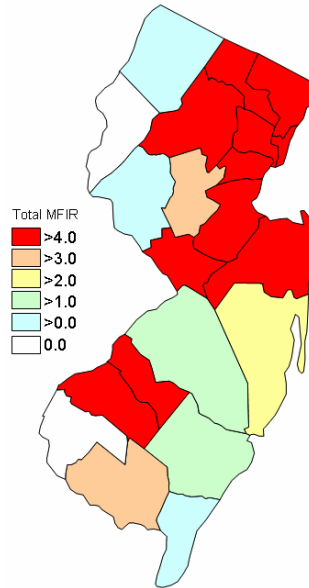
	<i>Aedes japonicus</i>	10	41		
	<i>Aedes triseriatus</i>	2	4		
	<i>Anopheles punctipennis</i>	1	4		
	<i>Coquillettidia perturbans</i>	1	50		
	<i>Culex spp.</i>	205	6763	31	4.58
Ocean		363	5804	13	2.24
	<i>Aedes albopictus</i>	97	1376	1	0.73
	<i>Aedes canadensis canadensis</i>	7	83		
	<i>Aedes cantator</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		114	3755	32	8.52
	<i>Aedes albopictus</i>	14	80		
	<i>Aedes japonicus</i>	8	89		
	<i>Aedes triseriatus</i>	1	2		
	<i>Anopheles punctipennis</i>	1	5		
	<i>Culex spp.</i>	90	3579	32	8.94
Salem		400	4876		
	<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>	15	226		
	<i>Anopheles punctipennis</i>	30	414		
	<i>Anopheles quadrimaculatus</i>	47	1094		
	<i>Coquillettidia perturbans</i>	9	93		
	<i>Culex erraticus</i>	39	295		
	<i>Culex pipiens</i>	14	63		
	<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>	51	337		
	<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		272	3941	12	3.04
	<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>	147	3248	12	3.69
	<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		234	4677	34	7.27
	<i>Aedes albopictus</i>	71	609		
	<i>Aedes japonicus</i>	8	13		
	<i>Aedes sollicitans</i>	2	3		
	<i>Aedes triseriatus</i>	3	3		
	<i>Aedes vexans</i>	15	73		
	<i>Anopheles punctipennis</i>	2	3		
	<i>Anopheles quadrimaculatus</i>	1	1		
	<i>Culex pipiens</i>	3	11		

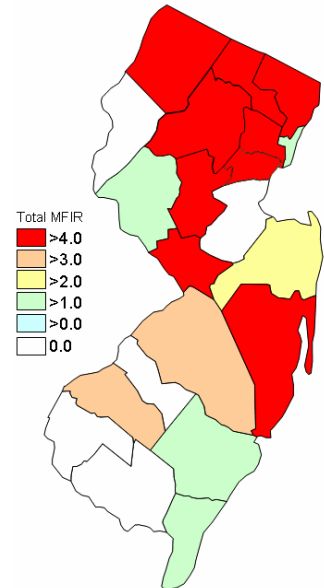
<i>Culex restuans</i>	7	29		
<i>Culex salinarius</i>	2	3		
<i>Culex spp.</i>	114	3920	34	8.67
<i>Psorophora columbiae</i>	5	8		
<i>Psorophora ferox</i>	1	1		
Warren	226	9303		
<i>Aedes japonicus</i>	2	49		
<i>Culex spp.</i>	224	9254		
Grand Total	7257	157095	568	3.62



Cumulative activity to last week



Cumulative activity to this week



Recent Activity 9/14 to 10/02)

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 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