

# VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 3

## *Culiseta melanura* Monitor

June 17 - 21, 2002

Coastal Resting Boxes						Inland Resting Boxes					
Sites	Mean From Previous Years	No. Per Box For This Collection	Total Collected to Date	Total Pools Submitted to Date	EEE Isolations To Date	Sites	Mean From Previous Years	No. Per Box For This Collection	Total Collected to Date	Total Pools Submitted to Date	EEE Isolations To Date
Green Bank (Burlington Co.)	3.5	0.4	37	8	-	Waterford (Camden Co.)	1.5	0	1	1	-
Corbin City (Atlantic Co.)	1.2	0.2	36	8	-	Centerton (Salem Co.)	1.8	1.5	116	11	-
Dennisville (Cape May Co.)	6.0	2.2	128	8	-						

### West Nile Virus Collections Submitted for Virus Isolation Attempts

Species	<i>Cx. pip</i>	<i>Cx. rest</i>	<i>Cx. sal</i>	<i>Cx. spp.</i>	<i>Ae. vex</i>	<i>Oc. cana</i>	<i>Oc. triv</i>	<i>Oc. tris</i>	<i>Oc. soll.</i>	<i>Oc. jap</i>	<i>Ae. albo</i>	<i>Cs. mel</i>	Other	TOTALS
No. Pools	659	294	37	13	104	62	33	22	13	45	14	13	197	1,506
Total Specimens	18,381	9,414	680	650	2,126	1,120	974	77	84	63	25	60	2,793	36,447
No. Positive Pools	1	1	0	0	0	0	0	0	0	0	0	0	0	2

**Remarks:** *Culiseta melanura* populations have rebounded somewhat at Dennisville and Centerton but collections still remain below average for this time of year. The collections at Corbin City are 10-fold lower than mean levels and only 1 *Cs. melanura* has been collected all year from the Waterford site. Rutgers is now participating as a pilot agency in the state's WNV Virus Surveillance Program. This week's report was accessed directly from the NJDOH WNV database. No new positives were reported since the last summary, thus, totals remain:

WNV Positive Pools through 6/21/02: 50 *Cx. restuans* Tinton Falls, Monmouth Co. 5/22/02  
50 *Cx. spp.* Merchantville, Camden Co. 6/12/02

Note: All mixed *Culex* submitted by county taxonomists were entered into the WNV database as *Cx. pipiens*, an error that is being corrected. Differences in the submission totals between last week's summary vs. this week's summary represents a temporary lag in data entry during our transition to the state's WNV database.

New Jersey Agricultural Experiment Station Publication No. PT-40500-03-02  
Supported by State funds and funding by the NJ State Mosquito Control Commission.  
Summary Prepared by: Wayne J. Crans, Rutgers University

## Submissions through June 21, 2002

County	Species	Pools	Total Specimens
<b>Atlantic</b>		<b>92</b>	<b>2225</b>
	<i>Aedes vexans</i> (Meigen)	12	209
	<i>Anopheles punctipennis</i> (Say)	1	2
	<i>Coquillettidia perturbans</i> (Walker)	1	4
	<i>Culex pipiens</i> (Linnaeus)	20	386
	<i>Culex restuans</i> (Theobald)	1	1
	<i>Culex salinarius</i> (Coquillett)	4	81
	<i>Culiseta melanura</i> (Coquillett)	3	17
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	6	300
	<i>Ochlerotatus cantator</i> (Coquillett)	25	994
	<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	3	45
	<i>Ochlerotatus sollicitans</i> (Walker)	6	52
	<i>Ochlerotatus sticticus</i> (Meigen)	2	44
	<i>Ochlerotatus taeniorhynchus</i> (Wiedemann)	1	3
	<i>Ochlerotatus thibaulti</i> (Dyar & Knab)	1	1
	<i>Ochlerotatus triseriatus</i> (Say)	4	33
	<i>Ochlerotatus trivittatus</i> (Coquillett)	1	3
	<i>Psorophora ferox</i> (von Humboldt)	1	50
<b>Bergen</b>		<b>260</b>	<b>7913</b>
	<i>Aedes albopictus</i> (Skuse)	1	1
	<i>Aedes cinereus</i> (Meigen)	2	5
	<i>Aedes vexans</i> (Meigen)	13	274
	<i>Anopheles punctipennis</i> (Say)	6	19
	<i>Anopheles quadrimaculatus</i> (Say)	2	10
	<i>Culex pipiens</i> (Linnaeus)	59	1310
	<i>Culex restuans</i> (Theobald)	140	5239
	<i>Culex salinarius</i> (Coquillett)	10	262
	<i>Culex</i> sp.	13	650
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	4	62
	<i>Ochlerotatus cantator</i> (Coquillett)	1	1
	<i>Ochlerotatus japonicus</i> (Theobald)	2	2
	<i>Ochlerotatus sollicitans</i> (Walker)	2	21
	<i>Ochlerotatus sticticus</i> (Meigen)	1	2
	<i>Ochlerotatus trivittatus</i> (Coquillett)	4	55
<b>Burlington</b>		<b>103</b>	<b>1467</b>
	<i>Aedes albopictus</i> (Skuse)	5	8
	<i>Aedes vexans</i> (Meigen)	13	217
	<i>Anopheles crucians</i> (Wiedemann)	1	3
	<i>Anopheles punctipennis</i> (Say)	7	28
	<i>Anopheles quadrimaculatus</i> (Say)	3	5
	<i>Coquillettidia perturbans</i> (Walker)	7	24
	<i>Culex pipiens</i> (Linnaeus)	33	814
	<i>Culiseta melanura</i> (Coquillett)	4	13
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	14	306
	<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	5	32
	<i>Ochlerotatus japonicus</i> (Theobald)	2	4
	<i>Ochlerotatus sollicitans</i> (Walker)	1	1

Ochlerotatus triseriatus (Say)	3	6
Ochlerotatus trivittatus (Coquillett)	1	2
Psorophora ferox (von Humboldt)	2	2
Uranotaenia sapphirina (Osten Sacken)	2	2
<b>Camden</b>	<b>44</b>	<b>651</b>
Aedes albopictus (Skuse)	6	7
Aedes vexans (Meigen)	4	13
Anopheles punctipennis (Say)	2	3
Coquillettidia perturbans (Walker)	2	15
Culex pipiens (Linnaeus)	20	546
Culex restuans (Theobald)	4	54
Ochlerotatus canadensis canadensis (Theobald)	3	9
Ochlerotatus triseriatus (Say)	3	4
<b>Cape_May</b>	<b>72</b>	<b>589</b>
Aedes vexans (Meigen)	1	1
Anopheles punctipennis (Say)	1	2
Coquillettidia perturbans (Walker)	1	16
Culex pipiens (Linnaeus)	29	183
Culex restuans (Theobald)	26	188
Culex territans (Walker)	1	4
Culiseta melanura (Coquillett)	3	10
Ochlerotatus canadensis canadensis (Theobald)	5	172
Ochlerotatus cantator (Coquillett)	3	6
Ochlerotatus triseriatus (Say)	2	7
<b>Gloucester</b>	<b>24</b>	<b>388</b>
Aedes albopictus (Skuse)	2	9
Anopheles punctipennis (Say)	1	1
Culex pipiens (Linnaeus)	18	369
Ochlerotatus triseriatus (Say)	3	9
<b>Hunterdon</b>	<b>63</b>	<b>2592</b>
Aedes vexans (Meigen)	1	3
Culex pipiens (Linnaeus)	55	2567
Ochlerotatus japonicus (Theobald)	5	7
Ochlerotatus triseriatus (Say)	1	1
Ochlerotatus trivittatus (Coquillett)	1	14
(blank)		
<b>Middlesex</b>	<b>27</b>	<b>473</b>
Anopheles crucians (Wiedemann)	1	2
Culex pipiens (Linnaeus)	19	411
Culex salinarius (Coquillett)	1	20
Ochlerotatus cantator (Coquillett)	5	39
Ochlerotatus sollicitans (Walker)	1	1
<b>Monmouth</b>	<b>168</b>	<b>2166</b>
Aedes vexans (Meigen)	3	4
Anopheles punctipennis (Say)	6	6
Anopheles quadrimaculatus (Say)	2	2
Coquillettidia perturbans (Walker)	2	2

Culex pipiens (Linnaeus)	91	1355
Culex restuans (Theobald)	26	711
Culex salinarius (Coquillett)	2	10
Ochlerotatus canadensis canadensis (Theobald)	9	38
Ochlerotatus cantator (Coquillett)	3	7
Ochlerotatus japonicus (Theobald)	21	27
Ochlerotatus sollicitans (Walker)	1	2
Ochlerotatus triseriatus (Say)	1	1
Ochlerotatus trivittatus (Coquillett)	1	1
<b>Morris</b>	<b>70</b>	<b>2247</b>
Aedes cinereus (Meigen)	3	38
Aedes vexans (Meigen)	12	539
Anopheles punctipennis (Say)	2	7
Anopheles walkeri (Theobald)	1	1
Culex pipiens (Linnaeus)	3	50
Culex restuans (Theobald)	17	704
Culex salinarius (Coquillett)	4	102
Ochlerotatus canadensis canadensis (Theobald)	2	12
Ochlerotatus cantator (Coquillett)	1	3
Ochlerotatus grossbecki (Dyar & Knab)	3	101
Ochlerotatus japonicus (Theobald)	3	7
Ochlerotatus sticticus (Meigen)	9	293
Ochlerotatus stimulans (Walker)	1	28
Ochlerotatus trivittatus (Coquillett)	9	362
<b>Ocean</b>	<b>92</b>	<b>1104</b>
Aedes vexans (Meigen)	10	21
Anopheles barberi (Coquillett)	1	1
Anopheles punctipennis (Say)	1	1
Coquillettidia perturbans (Walker)	1	1
Culex pipiens (Linnaeus)	33	645
Culex restuans (Theobald)	5	61
Culex salinarius (Coquillett)	11	114
Culiseta melanura (Coquillett)	3	20
Ochlerotatus canadensis canadensis (Theobald)	12	148
Ochlerotatus cantator (Coquillett)	10	82
Ochlerotatus grossbecki (Dyar & Knab)	1	1
Ochlerotatus sollicitans (Walker)	2	7
Ochlerotatus sticticus (Meigen)	1	1
Ochlerotatus triseriatus (Say)	1	1
<b>Passaic</b>	<b>60</b>	<b>1411</b>
Aedes vexans (Meigen)	3	14
Anopheles punctipennis (Say)	5	29
Anopheles quadrimaculatus (Say)	4	37
Culex pipiens (Linnaeus)	43	1322
Ochlerotatus japonicus (Theobald)	2	4
Ochlerotatus triseriatus (Say)	1	1
Ochlerotatus trivittatus (Coquillett)	2	4
<b>Salem</b>	<b>108</b>	<b>1996</b>
Aedes vexans (Meigen)	8	28

Anopheles punctipennis (Say)	2	2
Anopheles quadrimaculatus (Say)	2	2
Coquillettidia perturbans (Walker)	1	1
Culex pipiens (Linnaeus)	66	1727
Culex restuans (Theobald)	10	80
Culex salinarius (Coquillett)	5	91
Ochlerotatus cantator (Coquillett)	14	65
<b>Somerset</b>	<b>77</b>	<b>2059</b>
Aedes vexans (Meigen)	3	16
Anopheles punctipennis (Say)	2	11
Culex pipiens (Linnaeus)	51	1931
Culex restuans (Theobald)	6	69
Ochlerotatus canadensis canadensis (Theobald)	3	5
Ochlerotatus japonicus (Theobald)	7	8
Ochlerotatus stimulans (Walker)	1	1
Ochlerotatus triseriatus (Say)	3	14
Ochlerotatus trivittatus (Coquillett)	1	4
<b>Sussex</b>	<b>120</b>	<b>4027</b>
Aedes cinereus (Meigen)	3	29
Aedes vexans (Meigen)	20	741
Anopheles punctipennis (Say)	7	77
Anopheles quadrimaculatus (Say)	4	128
Culex pipiens (Linnaeus)	45	1789
Culex restuans (Theobald)	16	404
Ochlerotatus canadensis canadensis (Theobald)	4	68
Ochlerotatus fitchii (Felt & Young)	1	49
Ochlerotatus sticticus (Meigen)	8	223
Ochlerotatus trivittatus (Coquillett)	12	519
<b>Warren</b>	<b>126</b>	<b>5139</b>
Aedes vexans (Meigen)	1	46
Anopheles walkeri (Theobald)	4	200
Culex pipiens (Linnaeus)	74	2976
Culex restuans (Theobald)	43	1903
Ochlerotatus japonicus (Theobald)	3	4
Ochlerotatus trivittatus (Coquillett)	1	10
<b>Grand Total</b>	<b>1506</b>	<b>36447</b>