

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 5

Culiseta melanura Monitor

July 1–5, 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.)	4.1	0.5	64	15	-	Waterford (Camden Co.)	2.7	0	1	1	-
Corbin City (Atlantic Co.)	0.9	0.2	48	13	-	Centerton (Salem Co.)	2.4	0.1	194	19	-
Dennisville (Cape May Co.)	4.7	0	132	11	-						

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	593	257	53	113	118	68	36	55	19	60	17	28	223	1,640
Total Specimens	14,014	6,935	938	3,889	1,848	1,085	724	264	114	98	81	179	2,475	32,644
No. Positive Pools	2	1	0	3	0	0	0	0	0	0	0	0	1	7

Remarks: *Culiseta melanura* populations continue at record low levels at all sites being monitored for EEE activity. WNV activity is picking up with positive pools from 5 counties. Salem County's positive from *Oc. cantator* adds a new species to the NJ list of WNV vectors.

WNV Positive Pools through 7/8/02:

- 50 *Cx. restuans* Tinton Falls, Monmouth Co. 5/22/02
- 1 *Oc. cantator* Lower Alloways Creek, Salem Co. 6/6/02
- 50 *Cx. spp.* Merchantville, Camden Co. 6/12/02
- 12 *Cx. spp.* South Plainfield, Middlesex Co. 6/20/02
- 20 *Cx. spp.* South Plainfield, Middlesex Co. 6/26/02
- 50 *Cx. spp.* Franklin Twp., Somerset Co. 6/26/02

New Jersey Agricultural Experiment Station Publication No. PT-40500-05-02
Supported by State funds and funding by the NJ State Mosquito Control Commission.
Summary Prepared by: Wayne J. Crans, Rutgers University

County	Species	Pools	Mosquitoes
Atlantic		98	2116
	<i>Aedes vexans</i> (Meigen)	14	242
	<i>Anopheles punctipennis</i> (Say)	1	2
	<i>Anopheles quadrimaculatus</i> (Say)	1	1
	<i>Coquillettidia perturbans</i> (Walker)	1	4
	<i>Culex pipiens</i> (Linnaeus)	19	336
	<i>Culex restuans</i> (Theobald)	1	1
	<i>Culex salinarius</i> (Coquillett)	4	81
	<i>Culex</i> sp.	4	189
	<i>Culiseta melanura</i> (Coquillett)	4	19
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	5	240
	<i>Ochlerotatus cantator</i> (Coquillett)	21	735
	<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	4	55
	<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)	6	45
	<i>Ochlerotatus trivittatus</i> (Coquillett)	1	3
	<i>Psorophora ciliata</i> (Fabricius)	1	13
	<i>Psorophora ferox</i> (von Humboldt)	1	50
Bergen		236	6406
	<i>Aedes albopictus</i> (Skuse)	1	1
	<i>Aedes cinereus</i> (Meigen)	2	5
	<i>Aedes vexans</i> (Meigen)	13	234
	<i>Anopheles punctipennis</i> (Say)	6	19
	<i>Anopheles quadrimaculatus</i> (Say)	2	10
	<i>Culex pipiens</i> (Linnaeus)	56	1160
	<i>Culex restuans</i> (Theobald)	101	3313
	<i>Culex salinarius</i> (Coquillett)	13	398
	<i>Culex</i> sp.	22	1100
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	4	62
	<i>Ochlerotatus cantator</i> (Coquillett)	1	1
	<i>Ochlerotatus japonicus</i> (Theobald)	6	7
	<i>Ochlerotatus sollicitans</i> (Walker)	2	21
	<i>Ochlerotatus sticticus</i> (Meigen)	1	2
	<i>Ochlerotatus thibaulti</i> (Dyar & Knab)	1	12
	<i>Ochlerotatus triseriatus</i> (Say)	1	6
	<i>Ochlerotatus trivittatus</i> (Coquillett)	4	55
Burlington		104	1236
	<i>Aedes albopictus</i> (Skuse)	7	38
	<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)	8	25
	<i>Culex pipiens</i> (Linnaeus)	27	514
	<i>Culiseta melanura</i> (Coquillett)	5	14
	<i>Ochlerotatus atropalpus</i> (Coquillett)	1	3
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	14	306

Ochlerotatus cantator (Coquillett)	1	6
Ochlerotatus grossbecki (Dyar & Knab)	5	32
Ochlerotatus japonicus (Theobald)	2	4
Ochlerotatus sollicitans (Walker)	1	1
Ochlerotatus triseriatus (Say)	4	34
Ochlerotatus trivittatus (Coquillett)	1	2
Psorophora ferox (von Humboldt)	2	2
Uranotaenia sapphirina (Osten Sacken)	2	2

Camden **40** **440**

Aedes albopictus (Skuse)	5	6
Aedes vexans (Meigen)	4	13
Anopheles punctipennis (Say)	2	3
Coquillettidia perturbans (Walker)	2	15
Culex pipiens (Linnaeus)	14	295
Culex restuans (Theobald)	5	55
Culex sp.	1	39
Ochlerotatus atropalpus (Coquillett)	1	1
Ochlerotatus canadensis canadensis (Theobald)	3	9
Ochlerotatus triseriatus (Say)	3	4

Cape_May **89** **866**

Aedes vexans (Meigen)	1	1
Anopheles bradleyi (King)	1	23
Anopheles punctipennis (Say)	1	2
Anopheles quadrimaculatus (Say)	1	50
Coquillettidia perturbans (Walker)	1	16
Culex pipiens (Linnaeus)	39	400
Culex restuans (Theobald)	29	219
Culex salinarius (Coquillett)	1	3
Culex territans (Walker)	1	4
Culiseta melanura (Coquillett)	5	13
Ochlerotatus canadensis canadensis (Theobald)	4	122
Ochlerotatus cantator (Coquillett)	3	6
Ochlerotatus triseriatus (Say)	2	7

Cumberland **15** **79**

Anopheles punctipennis (Say)	1	3
Coquillettidia perturbans (Walker)	1	1
Culex sp.	2	14
Culiseta melanura (Coquillett)	3	9
Ochlerotatus canadensis canadensis (Theobald)	3	3
Ochlerotatus cantator (Coquillett)	2	6
Ochlerotatus grossbecki (Dyar & Knab)	1	1
Ochlerotatus sollicitans (Walker)	1	1
Ochlerotatus triseriatus (Say)	1	41

Gloucester	37	599
Aedes albopictus (Skuse)	3	28
Aedes vexans (Meigen)	1	1
Anopheles punctipennis (Say)	1	1
Culex pipiens (Linnaeus)	18	369
Culex sp.	8	147
Ochlerotatus triseriatus (Say)	6	53
Hunterdon	89	3669
Aedes vexans (Meigen)	1	3
Culex pipiens (Linnaeus)	45	2092
Culex sp.	29	1438
Ochlerotatus canadensis canadensis (Theobald)	1	3
Ochlerotatus japonicus (Theobald)	7	22
Ochlerotatus triseriatus (Say)	3	10
Ochlerotatus trivittatus (Coquillett)	3	101
(blank)		
Middlesex	85	1334
Aedes vexans (Meigen)	7	28
Anopheles crucians (Wiedemann)	1	2
Anopheles punctipennis (Say)	1	1
Coquillettidia perturbans (Walker)	2	3
Culex pipiens (Linnaeus)	33	743
Culex restuans (Theobald)	9	247
Culex salinarius (Coquillett)	5	76
Culex sp.	8	159
Ochlerotatus canadensis canadensis (Theobald)	1	1
Ochlerotatus cantator (Coquillett)	8	57
Ochlerotatus japonicus (Theobald)	1	1
Ochlerotatus sollicitans (Walker)	2	4
Ochlerotatus triseriatus (Say)	4	9
Ochlerotatus trivittatus (Coquillett)	3	3
Monmouth	199	2244
Aedes albopictus (Skuse)	1	8
Aedes vexans (Meigen)	7	81
Anopheles punctipennis (Say)	6	6
Anopheles quadrimaculatus (Say)	3	3
Coquillettidia perturbans (Walker)	3	4
Culex pipiens (Linnaeus)	93	1305
Culex restuans (Theobald)	24	568
Culex salinarius (Coquillett)	2	10
Culex sp.	11	145
Ochlerotatus canadensis canadensis (Theobald)	9	38
Ochlerotatus cantator (Coquillett)	3	7
Ochlerotatus japonicus (Theobald)	24	32
Ochlerotatus sollicitans (Walker)	3	17
Ochlerotatus triseriatus (Say)	7	17
Ochlerotatus trivittatus (Coquillett)	3	3

Morris	62	1536
<i>Aedes cinereus</i> (Meigen)	3	38
<i>Aedes vexans</i> (Meigen)	6	190
<i>Anopheles punctipennis</i> (Say)	2	7
<i>Anopheles walkeri</i> (Theobald)	1	1
<i>Culex pipiens</i> (Linnaeus)	3	50
<i>Culex restuans</i> (Theobald)	13	489
<i>Culex salinarius</i> (Coquillett)	4	102
<i>Culex</i> sp.	5	141
<i>Ochlerotatus canadensis canadensis</i> (Theobald)	2	12
<i>Ochlerotatus cantator</i> (Coquillett)	1	3
<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	2	51
<i>Ochlerotatus japonicus</i> (Theobald)	4	12
<i>Ochlerotatus sticticus</i> (Meigen)	8	243
<i>Ochlerotatus stimulans</i> (Walker)	1	28
<i>Ochlerotatus trivittatus</i> (Coquillett)	7	169
Ocean	104	1113
<i>Aedes vexans</i> (Meigen)	11	24
<i>Anopheles barberi</i> (Coquillett)	1	1
<i>Anopheles punctipennis</i> (Say)	1	1
<i>Coquillettidia perturbans</i> (Walker)	2	8
<i>Culex pipiens</i> (Linnaeus)	30	495
<i>Culex restuans</i> (Theobald)	5	61
<i>Culex salinarius</i> (Coquillett)	12	115
<i>Culex</i> sp.	3	58
<i>Culiseta melanura</i> (Coquillett)	5	27
<i>Ochlerotatus canadensis canadensis</i> (Theobald)	15	216
<i>Ochlerotatus cantator</i> (Coquillett)	11	83
<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	1	1
<i>Ochlerotatus sollicitans</i> (Walker)	3	15
<i>Ochlerotatus sticticus</i> (Meigen)	1	1
<i>Ochlerotatus triseriatus</i> (Say)	3	7
Passaic	52	1011
<i>Aedes vexans</i> (Meigen)	3	14
<i>Anopheles punctipennis</i> (Say)	5	29
<i>Anopheles quadrimaculatus</i> (Say)	4	37
<i>Culex pipiens</i> (Linnaeus)	35	922
<i>Ochlerotatus japonicus</i> (Theobald)	2	4
<i>Ochlerotatus triseriatus</i> (Say)	1	1
<i>Ochlerotatus trivittatus</i> (Coquillett)	2	4
Salem	133	2012
<i>Aedes vexans</i> (Meigen)	11	44
<i>Anopheles punctipennis</i> (Say)	3	4
<i>Anopheles quadrimaculatus</i> (Say)	5	14
<i>Anopheles walkeri</i> (Theobald)	1	1
<i>Coquillettidia perturbans</i> (Walker)	1	1
<i>Culex pipiens</i> (Linnaeus)	59	1375
<i>Culex restuans</i> (Theobald)	10	80
<i>Culex salinarius</i> (Coquillett)	9	148

Culex sp.	12	180
Culiseta melanura (Coquillett)	6	97
Ochlerotatus cantator (Coquillett)	13	63
Ochlerotatus sollicitans (Walker)	1	3
Ochlerotatus triseriatus (Say)	2	2

Somerset **98 1799**

Aedes vexans (Meigen)	6	19
Anopheles punctipennis (Say)	3	14
Culex pipiens (Linnaeus)	41	1263
Culex restuans (Theobald)	10	183
Culex salinarius (Coquillett)	3	5
Culex sp.	7	265
Ochlerotatus canadensis canadensis (Theobald)	3	5
Ochlerotatus japonicus (Theobald)	10	11
Ochlerotatus sticticus (Meigen)	1	1
Ochlerotatus stimulans (Walker)	1	1
Ochlerotatus triseriatus (Say)	11	27
Ochlerotatus trivittatus (Coquillett)	1	4
Psorophora ferox (von Humboldt)	1	1

Sussex **96 2832**

Aedes cinereus (Meigen)	3	29
Aedes vexans (Meigen)	19	691
Anopheles punctipennis (Say)	7	77
Anopheles quadrimaculatus (Say)	4	128
Culex pipiens (Linnaeus)	26	839
Culex restuans (Theobald)	15	359
Ochlerotatus canadensis canadensis (Theobald)	4	68
Ochlerotatus fitchii (Felt & Young)	1	49
Ochlerotatus sticticus (Meigen)	8	223
Ochlerotatus trivittatus (Coquillett)	9	369

Union **14 348**

Anopheles punctipennis (Say)	1	2
Culex pipiens (Linnaeus)	8	230
Culex restuans (Theobald)	4	102
Culex sp.	1	14

Warren **89 3004**

Aedes cinereus (Meigen)	1	3
Aedes vexans (Meigen)	1	46
Anopheles walkeri (Theobald)	1	50
Culex pipiens (Linnaeus)	47	1626
Culex restuans (Theobald)	31	1258
Ochlerotatus japonicus (Theobald)	4	5
Ochlerotatus stimulans (Walker)	1	4
Ochlerotatus triseriatus (Say)	1	1
Ochlerotatus trivittatus (Coquillett)	2	11

Grand Total **1640 32644**

