

# VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 1

## *Culiseta melanura* Monitor

June 3-7, 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.)	2.8	0.2	8	3	-	Waterford (Camden Co.)	3.3	<0.1	1	1	-
Corbin City (Atlantic Co.)	1.6	0.6	14	2	-	Centerton (Salem Co.)	2.9	0.4	18	3	-
Dennisville (Cape May Co.)	7.3	0.4	14	3	-						

### 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	162	214	30	419	68	35	15	8	10	19	6	4	137	1,127
Total Specimens	3,307	6,133	537	14,064	1,436	727	405	24	112	76	11	10	2,231	29,073
No. Positive Pools	0	1	0	0	0	0	0	0	0	0	0	0	0	1

**Remarks:** *Culiseta melanura* populations were extremely low at all sites during the first week of the collection season. Early season larval collections revealed large numbers of specimens indicating a fairly sizeable overwintering cohort. We fully expect populations to rise to normal levels over the next week or two. West Nile virus collections are progressing nicely with 15 counties participating in the program at this point in time. Rutgers is trapping from areas where WNV activity has either been documented by crow deaths or is suspected because of high levels of virus activity last year. Counties are focusing on those areas within their own jurisdiction they deem likely for eventual WNV activity. Nearly 30,000 specimens have already been processed for testing. The single positive, to date, was obtained from a pool of *Cx. restuans* collected from a gravid trap set at an address where a crow death had been confirmed to WNV in Monmouth Co.

WNV Positive Pools to Date: 50 *Cx. restuans* Tinton Falls 5/22/02

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## Total Submissions as of June 10, 2002

<b>County</b>	<b>Species</b>	<b>Pools</b>	<b>Mosquitoes</b>
<b>Atlantic</b>		<b>72</b>	<b>1823</b>
	Ae. vexans	10	173
	An. punctipennis	1	2
	Cx. mix	15	217
	Cx. salinarius	4	81
	Oc. canadensis	5	250
	Oc. cantator	23	917
	Oc. grossbecki	2	31
	Oc. sollicitans	6	52
	Oc. sticticus	1	32
	Oc. taeniorhynchus	1	3
	Oc. triseriatus	2	12
	Oc. trivittatus	1	3
	Ps. ferox	1	50
<b>Bergen</b>		<b>235</b>	<b>7045</b>
	Ae. cinereus	2	5
	Ae. vexans	10	205
	An. punctipennis	6	19
	An. quadrimaculatus	2	10
	Cx. mix	73	3315
	Cx. pipiens	51	1063
	Cx. restuans	74	2121
	Cx. salinarius	9	259
	Oc. canadensis	2	31
	Oc. cantator	1	1
	Oc. japonicus	1	1
	Oc. sollicitans	1	8
	Oc. sticticus	1	2
	Oc. trivittatus	2	5
<b>Burlington</b>		<b>41</b>	<b>958</b>
	Ae. albopictus	1	1
	Ae. vexans	4	62
	An. punctipennis	3	21
	An. quadrimaculatus	3	5
	Cx. mix	21	671
	Oc. canadensis	5	167
	Oc. grossbecki	2	29
	Oc. japonicus	1	1
	Ur. sapphirina	1	1

<b>Camden</b>		<b>16</b>	<b>61</b>
	Ae. albopictus	4	5
	Ae. vexans	1	1
	Cx. mix	6	49
	Cx. pipiens	1	1
	Cx. restuans	1	1
	Oc. canadensis	1	2
	Oc. triseriatus	2	2
<b>Cape May</b>		<b>58</b>	<b>462</b>
	Ae. vexans	1	1
	An. punctipennis	1	2
	Cq. perturbans	1	16
	Cs. melanura	2	6
	Cx. pipiens	22	126
	Cx. restuans	22	152
	Cx. territans	1	4
	Oc. canadensis	4	146
	Oc. cantator	2	2
	Oc. triseriatus	2	7
<b>Gloucester</b>		<b>15</b>	<b>279</b>
	Ae. albopictus	1	5
	An. punctipennis	1	1
	Cx. mix	12	271
	Oc. triseriatus	1	2
<b>Hunterdon</b>		<b>41</b>	<b>1860</b>
	Cx. mix	39	1856
	Oc. japonicus	2	4
<b>Middlesex</b>		<b>27</b>	<b>473</b>
	An. crucians	1	2
	Cx. mix	17	389
	Cx. pipiens	2	22
	Cx. salinarius	1	20
	Oc. cantator	5	39
	Oc. sollicitans	1	1
<b>Monmouth</b>		<b>122</b>	<b>1978</b>
	Ae. vexans	2	3
	An. punctipennis	3	3
	An. quadrimaculatus	1	1
	Cx. mix	44	643
	Cx. pipiens	29	606
	Cx. restuans	24	675
	Oc. canadensis	6	32
	Oc. cantator	1	1
	Oc. japonicus	12	14

<b>Morris</b>	<b>63</b>	<b>2070</b>
Ae. cinereus	3	38
Ae. vexans	12	539
An. punctipennis	1	2
Cx. pipiens	3	50
Cx. restuans	17	704
Cx. salinarius	3	56
Oc. canadensis	3	15
Oc. grossbecki	1	1
Oc. japonicus	2	6
Oc. sticticus	8	269
Oc. stimulans	1	28
Oc. trivittatus	9	362
<b>Ocean</b>	<b>76</b>	<b>898</b>
Ae. vexans	10	19
An. bradleyi	1	1
Cs. melanura	2	4
Cx. mix	27	566
Cx. pipiens	5	69
Cx. restuans	5	61
Cx. salinarius	8	30
Oc. canadensis	8	70
Oc. cantator	5	24
Oc. grossbecki	1	1
Oc. sollicitans	2	51
Oc. sticticus	1	1
Oc. triseriatus	1	1
<b>Passaic</b>	<b>32</b>	<b>453</b>
Ae. vexans	1	2
An. punctipennis	5	29
An. quadrimaculatus	4	37
Cx. mix	20	338
Cx. pipiens	1	46
Oc. trivittatus	1	1
<b>Salem</b>	<b>93</b>	<b>1883</b>
Ae. vexans	4	16
An. punctipennis	2	2
An. quadrimaculatus	2	2
Cx. mix	22	386
Cx. pipiens	35	1242
Cx. restuans	10	80
Cx. salinarius	5	91
Oc. cantator	13	64

<b>Somerset</b>		<b>14</b>	<b>295</b>
	Ae. vexans	1	14
	An. punctipennis	1	10
	Cx. mix	7	211
	Cx. pipiens	2	2
	Cx. restuans	3	58
<b>Sussex</b>		<b>107</b>	<b>3729</b>
	Ae. cinereus	2	15
	Ae. vexans	12	401
	An. punctipennis	7	77
	An. quadrimaculatus	4	128
	Cx. mix	55	2551
	Cx. pipiens	6	38
	Cx. restuans	15	378
	Oc. canadensis	1	14
	Oc. sticticus	4	103
	Oc. trivittatus	1	24
<b>Warren</b>		<b>115</b>	<b>4806</b>
	An. walkeri	4	200
	Cx. mix	61	2601
	Cx. pipiens	5	42
	Cx. restuans	43	1903
	Oc. japonicus	1	50
	Oc. trivittatus	1	10
<b>Grand Total</b>		<b>1127</b>	<b>29073</b>