

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 8

Culiseta melanura Monitor

July 22–26, 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	0.2	124	23	0	Waterford (Camden Co.)	0.5	0.1	6	6	0
Corbin City (Atlantic Co.)	1.0	0.3	73	23	0	Centerton (Salem Co.)	2.9	0.4	261	30	0
Dennisville (Cape May Co.)	4.9	0.5	186	20	0						

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	822	408	101	782	251	142	124	200	37	166	53	127	602	3,815
Total Specimens	21,822	12,225	1,775	28,031	4,345	2,779	4,184	1,052	290	764	206	749	9,579	87,801
No. Positive Pools	3	3	1	29	2	0	0	1	0	0	1	0	3	43

Remarks: There is no change in the status of *Culiseta melanura* populations which remain exceptionally low for this time of year. As a result, the potential for EEE amplification should remain minimal until the second generation of the season emerges sometime in August. WNV activity, however, continues to increase. Positive mosquito pools have risen from 17 to 43 in the last week with 16 counties now documenting WNV amplification. The virus is now being detected in potential bridge vectors as well as bird feeding mosquito species. Human biting mosquitoes that have been found carrying WNV in NJ this season include: *Ae. albopictus*, *Oc. triseriatus*, *Ae. vexans*, *Ps. ciliata*, *An. punctipennis* & *Cx. salinarius*.

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Results through July 26, 2002

County	Species	Pools	Mosquitoes	Positives
Atlantic		202	5081	1
	<i>Aedes albopictus</i> (Skuse)	2	4	
	<i>Aedes vexans</i> (Meigen)	18	416	
	<i>Anopheles bradleyi</i> (King)	1	22	
	<i>Anopheles punctipennis</i> (Say)	1	2	
	<i>Anopheles quadrimaculatus</i> (Say)	1	1	
	<i>Coquillettidia perturbans</i> (Walker)	4	23	
	<i>Culex pipiens</i> (Linnaeus)	20	386	
	<i>Culex salinarius</i> (Coquillett)	4	81	
	<i>Culex</i> sp.	39	1639	
	<i>Culiseta melanura</i> (Coquillett)	24	98	
	<i>Ochlerotatus canadensis</i>			
	<i>canadensis</i> (Theobald)	11	501	
	<i>Ochlerotatus cantator</i> (Coquillett)	33	1251	
	<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	6	69	
	<i>Ochlerotatus japonicus</i> (Theobald)	2	14	
	<i>Ochlerotatus sollicitans</i> (Walker)	9	156	
	<i>Ochlerotatus sticticus</i> (Meigen)	4	59	
	<i>Ochlerotatus taeniorhynchus</i> (Wiedemann)	2	8	
	<i>Ochlerotatus triseriatus</i> (Say)	10	59	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	1	3	
	<i>Psorophora ciliata</i> (Fabricius)	8	191	1
	<i>Psorophora ferox</i> (von Humboldt)	2	98	
Bergen		357	11535	4
	<i>Aedes albopictus</i> (Skuse)	1	1	
	<i>Aedes cinereus</i> (Meigen)	2	5	
	<i>Aedes vexans</i> (Meigen)	14	284	
	<i>Anopheles punctipennis</i> (Say)	8	42	
	<i>Anopheles quadrimaculatus</i> (Say)	4	47	
	<i>Coquillettidia perturbans</i> (Walker)	2	12	
	<i>Culex pipiens</i> (Linnaeus)	62	1364	
	<i>Culex restuans</i> (Theobald)	145	5392	
	<i>Culex salinarius</i> (Coquillett)	14	448	
	<i>Culex</i> sp.	64	3189	4
	<i>Culex territans</i> (Walker)	1	3	
	<i>Culiseta melanura</i> (Coquillett)	2	14	
	<i>Ochlerotatus canadensis</i>			
	<i>canadensis</i> (Theobald)	4	62	
	<i>Ochlerotatus cantator</i> (Coquillett)	1	1	
	<i>Ochlerotatus japonicus</i> (Theobald)	10	12	
	<i>Ochlerotatus sollicitans</i> (Walker)	2	21	
	<i>Ochlerotatus sticticus</i> (Meigen)	1	2	
	<i>Ochlerotatus thibaulti</i> (Dyar & Knab)	13	571	
	<i>Ochlerotatus triseriatus</i> (Say)	3	10	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	4	55	

Burlington	285	4222	1
<i>Aedes albopictus</i> (Skuse)	12	55	1
<i>Aedes vexans</i> (Meigen)	27	267	
<i>Anopheles bradleyi</i> (King)	4	12	
<i>Anopheles crucians</i> (Wiedemann)	3	5	
<i>Anopheles punctipennis</i> (Say)	11	33	
<i>Anopheles quadrimaculatus</i> (Say)	6	8	
<i>Coquillettidia perturbans</i> (Walker)	24	370	
<i>Culex erraticus</i> (Dyar & Knab)	1	5	
<i>Culex pipiens</i> (Linnaeus)	40	935	
<i>Culex restuans</i> (Theobald)	9	142	
<i>Culex salinarius</i> (Coquillett)	7	47	
<i>Culex</i> sp.	29	657	
<i>Culiseta inornata</i> (Williston)	1	1	
<i>Culiseta melanura</i> (Coquillett)	33	233	
<i>Ochlerotatus atlanticus</i> (Dyar & Knab)	1	1	
<i>Ochlerotatus atropalpus</i> (Coquillett)	1	3	
<i>Ochlerotatus canadensis</i> <i>canadensis</i> (Theobald)	35	1003	
<i>Ochlerotatus cantator</i> (Coquillett)	8	337	
<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	5	32	
<i>Ochlerotatus japonicus</i> (Theobald)	5	9	
<i>Ochlerotatus sollicitans</i> (Walker)	1	1	
<i>Ochlerotatus triseriatus</i> (Say)	17	60	
<i>Ochlerotatus trivittatus</i> (Coquillett)	1	2	
<i>Psorophora ferox</i> (von Humboldt)	2	2	
<i>Uranotaenia sapphirina</i> (Osten Sacken)	2	2	
(blank)			
Camden	139	1617	3
<i>Aedes albopictus</i> (Skuse)	18	46	
<i>Aedes vexans</i> (Meigen)	10	97	
<i>Anopheles bradleyi</i> (King)	1	1	
<i>Anopheles crucians</i> (Wiedemann)	4	163	
<i>Anopheles punctipennis</i> (Say)	9	17	
<i>Anopheles quadrimaculatus</i> (Say)	3	4	
<i>Coquillettidia perturbans</i> (Walker)	5	36	
<i>Culex pipiens</i> (Linnaeus)	25	578	
<i>Culex restuans</i> (Theobald)	11	120	
<i>Culex</i> sp.	21	503	3
<i>Culiseta melanura</i> (Coquillett)	6	6	
<i>Ochlerotatus atropalpus</i> (Coquillett)	3	3	
<i>Ochlerotatus canadensis</i> <i>canadensis</i> (Theobald)	4	11	
<i>Ochlerotatus triseriatus</i> (Say)	15	25	
<i>Ochlerotatus trivittatus</i> (Coquillett)	2	3	
<i>Psorophora columbiae</i> (Dyar&Knab)	1	1	

	Psorophora ferox (von Humboldt)	1	3	
Cape_May		137	2092	1
	Aedes vexans (Meigen)	2	20	
	Anopheles bradleyi (King)	6	182	
	Anopheles punctipennis (Say)	2	4	
	Anopheles quadrimaculatus (Say)	11	541	
	Coquillettidia perturbans (Walker)	4	135	
	Culex pipiens (Linnaeus)	40	401	
	Culex restuans (Theobald)	30	271	1
	Culex salinarius (Coquillett)	4	153	
	Culex territans (Walker)	1	4	
	Culiseta melanura (Coquillett)	20	86	
	Ochlerotatus canadensis			
	canadensis (Theobald)	6	183	
	Ochlerotatus cantator (Coquillett)	7	79	
	Ochlerotatus sollicitans (Walker)	1	11	
	Ochlerotatus taeniorhynchus			
	(Wiedemann)	1	15	
	Ochlerotatus triseriatus (Say)	2	7	
	(blank)			
Cumberland		110	882	0
	Aedes albopictus (Skuse)	3	10	
	Aedes vexans (Meigen)	10	25	
	Anopheles punctipennis (Say)	1	1	
	Anopheles quadrimaculatus (Say)	3	3	
	Coquillettidia perturbans (Walker)	4	5	
	Culex pipiens (Linnaeus)	6	156	
	Culex restuans (Theobald)	3	38	
	Culex salinarius (Coquillett)	2	4	
	Culex sp.	14	89	
	Culiseta melanura (Coquillett)	4	10	
	Ochlerotatus canadensis			
	canadensis (Theobald)	17	137	
	Ochlerotatus cantator (Coquillett)	13	170	
	Ochlerotatus grossbecki (Dyar & Knab)	6	7	
	Ochlerotatus japonicus (Theobald)	1	6	
	Ochlerotatus sollicitans (Walker)	6	9	
	Ochlerotatus taeniorhynchus			
	(Wiedemann)	2	2	
	Ochlerotatus triseriatus (Say)	13	208	
	Ochlerotatus trivittatus (Coquillett)			
	Psorophora columbiae (Dyar & Knab)	1	1	
	Psorophora howardii (Coquillett)	1	1	
Essex		53	719	0
	Aedes vexans (Meigen)	2	6	
	Culex pipiens (Linnaeus)	18	409	

	<i>Culex restuans</i> (Theobald)	12	193	
	<i>Ochlerotatus japonicus</i> (Theobald)	9	28	
	<i>Ochlerotatus sticticus</i> (Meigen)	2	46	
	<i>Ochlerotatus triseriatus</i> (Say)	6	24	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	2	8	
	<i>Psorophora ciliata</i> (Fabricius)	1	1	
	<i>Psorophora ferox</i> (von Humboldt)	1	4	
Gloucester		112	1685	0
	<i>Aedes albopictus</i> (Skuse)	14	80	
	<i>Aedes vexans</i> (Meigen)	5	15	
	<i>Anopheles punctipennis</i> (Say)	3	4	
	<i>Anopheles quadrimaculatus</i> (Say)	1	1	
	<i>Culex pipiens</i> (Linnaeus)	20	371	
	<i>Culex</i> sp.	45	1025	
	<i>Ochlerotatus triseriatus</i> (Say)	18	126	
	<i>Psorophora ferox</i> (von Humboldt)	5	62	
	<i>Psorophora howardii</i> (Coquillett)	1	1	
Hunterdon		178	6516	1
	<i>Aedes vexans</i> (Meigen)	3	19	
	<i>Anopheles punctipennis</i> (Say)	2	20	
	<i>Anopheles quadrimaculatus</i> (Say)	1	1	
	<i>Culex pipiens</i> (Linnaeus)	63	2629	
	<i>Culex restuans</i> (Theobald)	13	425	
	<i>Culex salinarius</i> (Coquillett)	3	13	
	<i>Culex</i> sp.	61	3029	1
	<i>Ochlerotatus canadensis</i> <i>canadensis</i> (Theobald)	2	14	
	<i>Ochlerotatus japonicus</i> (Theobald)	15	91	
	<i>Ochlerotatus triseriatus</i> (Say)	8	62	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	5	201	
	<i>Psorophora columbiae</i> (Dyar & Knab)	2	12	
	(blank)			
Middlesex		152	2473	4
	<i>Aedes vexans</i> (Meigen)	10	41	
	<i>Anopheles crucians</i> (Wiedemann)	1	2	
	<i>Anopheles punctipennis</i> (Say)	3	5	
	<i>Anopheles quadrimaculatus</i> (Say)	1	10	
	<i>Coquillettidia perturbans</i> (Walker)	6	49	
	<i>Culex pipiens</i> (Linnaeus)	35	843	1
	<i>Culex restuans</i> (Theobald)	10	297	
	<i>Culex salinarius</i> (Coquillett)	5	76	
	<i>Culex</i> sp.	52	1048	3
	<i>Ochlerotatus canadensis</i> <i>canadensis</i> (Theobald)	1	1	
	<i>Ochlerotatus cantator</i> (Coquillett)	8	57	
	<i>Ochlerotatus japonicus</i> (Theobald)	4	8	

	Ochlerotatus sollicitans (Walker)	4	12	
	Ochlerotatus triseriatus (Say)	9	21	
	Ochlerotatus trivittatus (Coquillett)	3	3	
Monmouth		277	3208	2
	Aedes albopictus (Skuse)	1	8	
	Aedes vexans (Meigen)	15	148	
	Anopheles barberi (Coquillett)	1	1	
	Anopheles punctipennis (Say)	8	8	
	Anopheles quadrimaculatus (Say)	4	4	
	Coquillettidia perturbans (Walker)	4	5	
	Culex pipiens (Linnaeus)	105	1617	
	Culex restuans (Theobald)	32	856	1
	Culex salinarius (Coquillett)	3	11	
	Culex sp.	37	399	1
	Ochlerotatus canadensis canadensis (Theobald)	11	43	
	Ochlerotatus cantator (Coquillett)	4	10	
	Ochlerotatus japonicus (Theobald)	29	41	
	Ochlerotatus sollicitans (Walker)	4	19	
	Ochlerotatus triseriatus (Say)	15	34	
	Ochlerotatus trivittatus (Coquillett)	4	4	
Morris		235	6182	7
	Aedes cinereus (Meigen)	8	243	
	Aedes vexans (Meigen)	30	807	2
	Anopheles punctipennis (Say)	12	48	1
	Anopheles quadrimaculatus (Say)	3	56	
	Anopheles walkeri (Theobald)	3	19	
	Coquillettidia perturbans (Walker)	7	76	
	Culex pipiens (Linnaeus)	10	160	1
	Culex restuans (Theobald)	26	998	1
	Culex salinarius (Coquillett)	7	186	1
	Culex sp.	60	2261	
	Ochlerotatus canadensis canadensis (Theobald)	7	128	
	Ochlerotatus cantator (Coquillett)	1	3	
	Ochlerotatus grossbecki (Dyar & Knab)	3	101	
	Ochlerotatus japonicus (Theobald)	18	66	
	Ochlerotatus sticticus (Meigen)	12	444	
	Ochlerotatus stimulans (Walker)	5	151	
	Ochlerotatus triseriatus (Say)	9	36	1
	Ochlerotatus trivittatus (Coquillett)	14	399	
Ocean		253	4137	11
	Aedes albopictus (Skuse)	2	2	
	Aedes vexans (Meigen)	20	164	
	Anopheles bradleyi (King)	3	20	
	Anopheles punctipennis (Say)	3	4	

Anopheles quadrimaculatus (Say)	1	1	
Coquillettidia perturbans (Walker)	16	239	
Culex pipiens (Linnaeus)	40	735	1
Culex restuans (Theobald)	10	159	
Culex salinarius (Coquillett)	21	428	
Culex sp.	51	1806	10
Culex territans (Walker)	1	1	
Culiseta melanura (Coquillett)	13	55	
Ochlerotatus canadensis canadensis (Theobald)	20	257	
Ochlerotatus cantator (Coquillett)	19	124	
Ochlerotatus grossbecki (Dyar & Knab)	1	1	
Ochlerotatus japonicus (Theobald)	3	12	
Ochlerotatus sollicitans (Walker)	8	57	
Ochlerotatus sticticus (Meigen)	1	1	
Ochlerotatus triseriatus (Say)	17	55	
Psorophora ferox (von Humboldt)	3	16	
(blank)			
Passaic	184	5721	5
Aedes vexans (Meigen)	6	20	
Anopheles punctipennis (Say)	7	35	
Anopheles quadrimaculatus (Say)	4	37	
Anopheles walkeri (Theobald)	1	2	
Coquillettidia perturbans (Walker)	1	2	
Culex pipiens (Linnaeus)	51	1591	
Culex restuans (Theobald)	5	75	
Culex salinarius (Coquillett)	3	4	
Culex sp.	81	3821	5
Ochlerotatus canadensis canadensis (Theobald)	2	19	
Ochlerotatus japonicus (Theobald)	12	71	
Ochlerotatus triseriatus (Say)	6	29	
Ochlerotatus trivittatus (Coquillett)	5	15	
Salem	266	3843	1
Aedes vexans (Meigen)	18	63	
Anopheles bradleyi (King)	3	7	
Anopheles punctipennis (Say)	9	30	1
Anopheles quadrimaculatus (Say)	24	172	
Anopheles walkeri (Theobald)	1	1	
Coquillettidia perturbans (Walker)	2	2	
Culex pipiens (Linnaeus)	76	1797	
Culex restuans (Theobald)	12	98	
Culex salinarius (Coquillett)	20	297	
Culex sp.	46	1011	
Culiseta melanura (Coquillett)	25	247	
Ochlerotatus canadensis canadensis (Theobald)	1	2	
Ochlerotatus cantator (Coquillett)	18	88	

	Ochlerotatus sollicitans (Walker)	2	4	
	Ochlerotatus thibaulti (Dyar & Knab)	1	2	
	Ochlerotatus triseriatus (Say)	8	22	
	(blank)			
Somerset		178	4061	1
	Aedes vexans (Meigen)	7	26	
	Anopheles punctipennis (Say)	6	18	
	Culex pipiens (Linnaeus)	61	2216	
	Culex restuans (Theobald)	12	191	
	Culex salinarius (Coquillett)	3	5	
	Culex sp.	42	1467	1
	Ochlerotatus canadensis			
	canadensis (Theobald)	3	5	
	Ochlerotatus japonicus (Theobald)	20	53	
	Ochlerotatus sticticus (Meigen)	1	1	
	Ochlerotatus stimulans (Walker)	1	1	
	Ochlerotatus triseriatus (Say)	18	38	
	Ochlerotatus trivittatus (Coquillett)	3	39	
	Psorophora ferox (von Humboldt)	1	1	
Sussex		352	13003	0
	Aedes cinereus (Meigen)	6	89	
	Aedes vexans (Meigen)	46	1834	
	Anopheles punctipennis (Say)	11	189	
	Anopheles quadrimaculatus (Say)	6	179	
	Coquillettidia perturbans (Walker)	24	800	
	Culex pipiens (Linnaeus)	45	1789	
	Culex restuans (Theobald)	16	404	
	Culex sp.	59	2699	
	Ochlerotatus aurifer (Coquillett)	1	24	
	Ochlerotatus canadensis			
	canadensis (Theobald)	17	402	
	Ochlerotatus fitchii (Felt & Young)	1	49	
	Ochlerotatus japonicus (Theobald)	11	189	
	Ochlerotatus sticticus (Meigen)	20	627	
	Ochlerotatus stimulans (Walker)	7	206	
	Ochlerotatus triseriatus (Say)	6	91	
	Ochlerotatus trivittatus (Coquillett)	76	3432	
Union		95	2448	1
	Aedes vexans (Meigen)	5	26	
	Anopheles punctipennis (Say)	4	7	
	Anopheles quadrimaculatus (Say)	2	3	
	Culex pipiens (Linnaeus)	31	869	
	Culex restuans (Theobald)	18	645	
	Culex salinarius (Coquillett)	4	21	
	Culex sp.	20	857	1
	Ochlerotatus japonicus (Theobald)	4	6	
	Ochlerotatus triseriatus (Say)	7	14	

Warren	250	8376	0
<i>Aedes cinereus</i> (Meigen)	1	3	
<i>Aedes vexans</i> (Meigen)	3	67	
<i>Anopheles crucians</i> (Wiedemann)	1	5	
<i>Anopheles punctipennis</i> (Say)	2	13	
<i>Anopheles quadrimaculatus</i> (Say)	6	79	
<i>Anopheles walkeri</i> (Theobald)	7	350	
<i>Coquillettidia perturbans</i> (Walker)	6	100	
<i>Culex pipiens</i> (Linnaeus)	74	2976	
<i>Culex restuans</i> (Theobald)	44	1921	
<i>Culex salinarius</i> (Coquillett)	1	1	
<i>Culex</i> sp.	61	2531	
<i>Ochlerotatus atropalpus</i> (Coquillett)	1	2	
<i>Ochlerotatus canadensis</i> <i>canadensis</i> (Theobald)	1	11	
<i>Ochlerotatus japonicus</i> (Theobald)	23	158	
<i>Ochlerotatus stimulans</i> (Walker)	2	8	
<i>Ochlerotatus triseriatus</i> (Say)	13	131	
<i>Ochlerotatus trivittatus</i> (Coquillett)	4	20	
Grand Total	3815	87801	43