

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 7

Culiseta melanura Monitor

July 15–19, 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.)	3.6	0.8	113	21	0	Waterford (Camden Co.)	0.7	<0.1	3	3	0
Corbin City (Atlantic Co.)	0.7	0.2	65	20	0	Centerton (Salem Co.)	3.1	0.3	243	27	0
Dennisville (Cape May Co.)	5.6	0.1	163	16	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	792	384	87	513	218	121	96	136	34	105	33	101	478	3,098
Total Specimens	21,271	11,647	1,500	18,277	3,938	2,489	3,125	626	253	332	144	607	7,371	71,580
No. Positive Pools	2	1	0	14	0	0	0	0	0	0	0	0	0	17

Remarks: *Culiseta melanura* populations remain at exceptionally low levels for this time of year, however, the second generation of the season normally emerges in early August. It will be interesting to see if this season's emergence will produce enough *Cs. melanura* to initiate amplification of EEE in local bird populations. WNV activity has increased markedly over the past several weeks with 17 positive pools now identified from 6 different counties. The pattern follows the same trend New Jersey experienced in 2001 with minimal virus activity until juvenile birds were available for amplification and dispersal. The number of dead crow reports appear to be down from last season but positive mosquito pools are on par with last year's results. One difference is that this year's positive pools have all come from *Culex* mosquitoes to date even though significant numbers of bridge vectors have been submitted for testing.

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Results through July 21, 2002

County	Species	Pools	Mosquitoes	Positives
Atlantic		168	4113	0
	<i>Aedes albopictus</i> (Skuse)	1	1	
	<i>Aedes vexans</i> (Meigen)	17	366	
	<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)	3	20	
	<i>Culex pipiens</i> (Linnaeus)	20	386	
	<i>Culex salinarius</i> (Coquillett)	4	81	
	<i>Culex</i> sp.	22	891	
	<i>Culiseta melanura</i> (Coquillett)	20	91	
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	10	473	
	<i>Ochlerotatus cantator</i> (Coquillett)	32	1238	
	<i>Ochlerotatus grossbecki</i> (Dyar & Knab)	6	69	
	<i>Ochlerotatus japonicus</i> (Theobald)	1	7	
	<i>Ochlerotatus sollicitans</i> (Walker)	8	132	
	<i>Ochlerotatus sticticus</i> (Meigen)	4	59	
	<i>Ochlerotatus taeniorhynchus</i> (Wiedemann)	1	3	
	<i>Ochlerotatus triseriatus</i> (Say)	8	54	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	1	3	
	<i>Psorophora ciliata</i> (Fabricius)	5	116	
	<i>Psorophora ferox</i> (von Humboldt)	2	98	
Bergen		344	10817	0
	<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)	63	1375	
	<i>Culex restuans</i> (Theobald)	146	5402	
	<i>Culex salinarius</i> (Coquillett)	14	448	
	<i>Culex</i> sp.	49	2450	
	<i>Culex territans</i> (Walker)	1	3	
	<i>Culiseta melanura</i> (Coquillett)	2	14	
	<i>Ochlerotatus canadensis 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		200	2820	0
	<i>Aedes albopictus</i> (Skuse)	8	39	

Aedes vexans (Meigen)	20	237	
Anopheles bradleyi (King)	2	5	
Anopheles crucians (Wiedemann)	2	4	
Anopheles punctipennis (Say)	9	31	
Anopheles quadrimaculatus (Say)	4	6	
Coquillettidia perturbans (Walker)	14	102	
Culex pipiens (Linnaeus)	38	920	
Culex restuans (Theobald)	7	118	
Culex salinarius (Coquillett)	5	22	
Culex sp.	10	207	
Culiseta melanura (Coquillett)	23	133	
Ochlerotatus atlanticus (Dyar & Knab)	1	1	
Ochlerotatus atropalpus (Coquillett)	1	3	
Ochlerotatus canadensis canadensis (Theobald)	31	897	
Ochlerotatus cantator (Coquillett)	1	6	
Ochlerotatus grossbecki (Dyar & Knab)	5	32	
Ochlerotatus japonicus (Theobald)	2	4	
Ochlerotatus sollicitans (Walker)	1	1	
Ochlerotatus triseriatus (Say)	11	46	
Ochlerotatus trivittatus (Coquillett)	1	2	
Psorophora ferox (von Humboldt)	2	2	
Uranotaenia sapphirina (Osten Sacken)	2	2	
(blank)			
Camden	106	1315	2
Aedes albopictus (Skuse)	14	40	
Aedes vexans (Meigen)	9	95	
Anopheles bradleyi (King)	1	1	
Anopheles punctipennis (Say)	9	17	
Anopheles quadrimaculatus (Say)	2	2	
Coquillettidia perturbans (Walker)	4	17	
Culex pipiens (Linnaeus)	22	563	
Culex restuans (Theobald)	10	93	
Culex sp.	16	453	2
Culiseta melanura (Coquillett)	1	1	
Ochlerotatus atropalpus (Coquillett)	2	2	
Ochlerotatus canadensis canadensis (Theobald)	4	11	
Ochlerotatus triseriatus (Say)	12	20	
Cape_May	119	1452	0
Aedes vexans (Meigen)	1	1	
Anopheles bradleyi (King)	3	32	
Anopheles punctipennis (Say)	1	2	
Anopheles quadrimaculatus (Say)	10	500	
Coquillettidia perturbans (Walker)	1	16	
Culex pipiens (Linnaeus)	40	401	
Culex restuans (Theobald)	29	219	
Culex salinarius (Coquillett)	1	3	
Culex territans (Walker)	1	4	
Culiseta melanura (Coquillett)	20	86	

	Ochlerotatus canadensis canadensis (Theobald)	5	172	
	Ochlerotatus cantator (Coquillett)	5	9	
	Ochlerotatus triseriatus (Say)	2	7	
	(blank)			
Cumberland		58	522	0
	Aedes vexans (Meigen)	5	16	
	Anopheles quadrimaculatus (Say)	2	2	
	Coquillettidia perturbans (Walker)	2	3	
	Culex sp.	5	66	
	Culiseta melanura (Coquillett)	4	10	
	Ochlerotatus canadensis canadensis (Theobald)	9	108	
	Ochlerotatus cantator (Coquillett)	10	157	
	Ochlerotatus grossbecki (Dyar & Knab)	5	6	
	Ochlerotatus japonicus (Theobald)	1	6	
	Ochlerotatus sollicitans (Walker)	6	9	
	Ochlerotatus taeniorhynchus (Wiedemann)	1	1	
	Ochlerotatus triseriatus (Say)	6	136	
	Psorophora columbiae (Dyar & Knab)	1	1	
	Psorophora howardii (Coquillett)	1	1	
Essex		23	287	0
	Aedes vexans (Meigen)	2	6	
	Culex pipiens (Linnaeus)	6	146	
	Culex restuans (Theobald)	4	51	
	Ochlerotatus japonicus (Theobald)	2	4	
	Ochlerotatus sticticus (Meigen)	2	46	
	Ochlerotatus triseriatus (Say)	3	21	
	Ochlerotatus trivittatus (Coquillett)	2	8	
	Psorophora ciliata (Fabricius)	1	1	
	Psorophora ferox (von Humboldt)	1	4	
Gloucester		76	1199	0
	Aedes albopictus (Skuse)	6	53	
	Aedes vexans (Meigen)	5	15	
	Anopheles punctipennis (Say)	3	4	
	Culex pipiens (Linnaeus)	20	371	
	Culex sp.	30	649	
	Ochlerotatus triseriatus (Say)	9	76	
	Psorophora ferox (von Humboldt)	2	30	
	Psorophora howardii (Coquillett)	1	1	
Hunterdon		161	5806	0
	Aedes vexans (Meigen)	3	19	
	Anopheles punctipennis (Say)	2	20	
	Anopheles quadrimaculatus (Say)	1	1	
	Culex pipiens (Linnaeus)	63	2629	
	Culex restuans (Theobald)	13	425	
	Culex salinarius (Coquillett)	3	13	
	Culex sp.	48	2388	

	Ochlerotatus canadensis canadensis (Theobald)	2	14	
	Ochlerotatus japonicus (Theobald)	13	77	
	Ochlerotatus triseriatus (Say)	7	57	
	Ochlerotatus trivittatus (Coquillett)	4	151	
	Psorophora columbiae (Dyar & Knab)	2	12	
	(blank)			
Middlesex		135	2314	2
	Aedes vexans (Meigen)	10	41	
	Anopheles crucians (Wiedemann)	1	2	
	Anopheles punctipennis (Say)	1	1	
	Coquillettidia perturbans (Walker)	5	39	
	Culex pipiens (Linnaeus)	35	843	1
	Culex restuans (Theobald)	10	297	
	Culex salinarius (Coquillett)	5	76	
	Culex sp.	42	925	1
	Ochlerotatus canadensis canadensis (Theobald)	1	1	
	Ochlerotatus cantator (Coquillett)	8	57	
	Ochlerotatus japonicus (Theobald)	2	2	
	Ochlerotatus sollicitans (Walker)	4	12	
	Ochlerotatus triseriatus (Say)	8	15	
	Ochlerotatus trivittatus (Coquillett)	3	3	
Monmouth		264	3168	1
	Aedes albopictus (Skuse)	1	8	
	Aedes vexans (Meigen)	15	148	
	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.	31	370	
	Ochlerotatus canadensis canadensis (Theobald)	11	43	
	Ochlerotatus cantator (Coquillett)	4	10	
	Ochlerotatus japonicus (Theobald)	26	38	
	Ochlerotatus sollicitans (Walker)	3	17	
	Ochlerotatus triseriatus (Say)	13	29	
	Ochlerotatus trivittatus (Coquillett)	4	4	
Morris		146	4482	0
	Aedes cinereus (Meigen)	7	238	
	Aedes vexans (Meigen)	22	756	
	Anopheles punctipennis (Say)	6	11	
	Anopheles walkeri (Theobald)	1	1	
	Coquillettidia perturbans (Walker)	2	27	
	Culex pipiens (Linnaeus)	3	50	
	Culex restuans (Theobald)	17	704	
	Culex salinarius (Coquillett)	4	102	
	Culex sp.	35	1344	

	Ochlerotatus canadensis canadensis (Theobald)	6	127	
	Ochlerotatus cantator (Coquillett)	1	3	
	Ochlerotatus grossbecki (Dyar & Knab)	3	101	
	Ochlerotatus japonicus (Theobald)	7	19	
	Ochlerotatus sticticus (Meigen)	12	444	
	Ochlerotatus stimulans (Walker)	5	151	
	Ochlerotatus triseriatus (Say)	2	6	
	Ochlerotatus trivittatus (Coquillett)	13	398	
Ocean		228	3517	10
	Aedes albopictus (Skuse)	2	2	
	Aedes vexans (Meigen)	18	144	
	Anopheles bradleyi (King)	2	9	
	Anopheles punctipennis (Say)	3	4	
	Coquillettidia perturbans (Walker)	15	231	
	Culex pipiens (Linnaeus)	40	735	1
	Culex restuans (Theobald)	10	159	
	Culex salinarius (Coquillett)	21	428	
	Culex sp.	38	1263	9
	Culex territans (Walker)	1	1	
	Culiseta melanura (Coquillett)	10	45	
	Ochlerotatus canadensis canadensis (Theobald)	20	257	
	Ochlerotatus cantator (Coquillett)	17	108	
	Ochlerotatus grossbecki (Dyar & Knab)	1	1	
	Ochlerotatus japonicus (Theobald)	2	7	
	Ochlerotatus sollicitans (Walker)	8	57	
	Ochlerotatus sticticus (Meigen)	1	1	
	Ochlerotatus triseriatus (Say)	16	49	
	Psorophora ferox (von Humboldt)	3	16	
Passaic		147	4169	1
	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.	49	2311	1
	Ochlerotatus canadensis canadensis (Theobald)	2	19	
	Ochlerotatus japonicus (Theobald)	8	40	
	Ochlerotatus triseriatus (Say)	5	18	
	Ochlerotatus trivittatus (Coquillett)	5	15	
Salem		251	3724	0
	Aedes vexans (Meigen)	17	62	
	Anopheles bradleyi (King)	3	7	
	Anopheles punctipennis (Say)	8	26	
	Anopheles quadrimaculatus (Say)	22	119	

Anopheles walkeri (Theobald)	1	1	
Coquillettidia perturbans (Walker)	2	2	
Culex pipiens (Linnaeus)	75	1794	
Culex restuans (Theobald)	11	87	
Culex salinarius (Coquillett)	17	286	
Culex sp.	45	1006	
Culiseta melanura (Coquillett)	21	227	
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)	7	11	
(blank)			
Somerset	163	3730	1
Aedes vexans (Meigen)	7	26	
Anopheles punctipennis (Say)	5	16	
Culex pipiens (Linnaeus)	61	2216	
Culex restuans (Theobald)	12	191	
Culex salinarius (Coquillett)	3	5	
Culex sp.	31	1162	1
Ochlerotatus canadensis canadensis (Theobald)	3	5	
Ochlerotatus japonicus (Theobald)	18	31	
Ochlerotatus sticticus (Meigen)	1	1	
Ochlerotatus stimulans (Walker)	1	1	
Ochlerotatus triseriatus (Say)	17	36	
Ochlerotatus trivittatus (Coquillett)	3	39	
Psorophora ferox (von Humboldt)	1	1	
Sussex	253	9324	0
Aedes cinereus (Meigen)	5	74	
Aedes vexans (Meigen)	40	1625	
Anopheles punctipennis (Say)	10	177	
Anopheles quadrimaculatus (Say)	4	128	
Coquillettidia perturbans (Walker)	12	420	
Culex pipiens (Linnaeus)	45	1789	
Culex restuans (Theobald)	16	404	
Culex sp.	23	1043	
Ochlerotatus aurifer (Coquillett)	1	24	
Ochlerotatus canadensis canadensis (Theobald)	12	298	
Ochlerotatus fitchii (Felt & Young)	1	49	
Ochlerotatus japonicus (Theobald)	4	67	
Ochlerotatus sticticus (Meigen)	20	627	
Ochlerotatus stimulans (Walker)	6	163	
Ochlerotatus trivittatus (Coquillett)	54	2436	
(blank)			
Union	76	1965	0
Aedes vexans (Meigen)	5	26	
Anopheles punctipennis (Say)	3	6	

Anopheles quadrimaculatus (Say)	2	3	
Culex pipiens (Linnaeus)	31	869	
Culex restuans (Theobald)	18	645	
Culex salinarius (Coquillett)	4	21	
Culex sp.	9	385	
Ochlerotatus triseriatus (Say)	4	10	
Warren	180	6856	0
Aedes cinereus (Meigen)	1	3	
Aedes vexans (Meigen)	2	51	
Anopheles punctipennis (Say)	1	8	
Anopheles quadrimaculatus (Say)	3	64	
Anopheles walkeri (Theobald)	7	350	
Coquillettidia perturbans (Walker)	2	59	
Culex pipiens (Linnaeus)	74	2976	
Culex restuans (Theobald)	44	1921	
Culex sp.	30	1364	
Ochlerotatus atropalpus (Coquillett)	1	2	
Ochlerotatus japonicus (Theobald)	9	18	
Ochlerotatus stimulans (Walker)	1	4	
Ochlerotatus triseriatus (Say)	3	25	
Ochlerotatus trivittatus (Coquillett)	2	11	
Grand Total	3098	71580	17