

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 10

Culiseta melanura Monitor

August 5 - 9, 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.)	7.4	<0.1	127	25	0	Waterford (Camden Co.)	0.7	0	6	6	0
Corbin City (Atlantic Co.)	1.2	0	74	24	0	Centerton (Salem Co.)	2.0	0.1	269	34	0
Dennisville (Cape May Co.)	8.8	<0.1	189	23	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	465	329	130	1,605	275	146	129	273	49	207	71	124	717	4,520
Total Specimens	9,463	8,327	2,663	56,648	4,735	2,803	4,198	1,452	467	1030	312	728	10,769	103,595
No. Positive Pools	10	5	1	71	2	0	1	1	0	1	2	0	5	99

Remarks: *Culiseta melanura* populations are all but absent at the sites NJ is monitoring for EEE activity. The hot, dry weather continues to suppress this mosquito vector and further reduces the probability of EEE being amplified to epizootic levels this season. WNV remains active on a state-wide basis, clearly documented by specimens submitted by county agencies participating in our virus surveillance effort. Positive mosquito pools have now been detected in 19 of New Jersey's 21 counties. Six of the 19 counties with positive pools have found WNV in potential bridge vectors. The 1st positive from *Oc. japonicus* came from a pool containing a single specimen collected and processed by Essex Co. Mosquito Control. *Oc. japonicus* had a minimum infection rate over 6.0 last season but until now has been absent from the list of mosquitoes participating in this year's cycle.

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Submissions by Species through August 12, 2002

Species	Pools	Mosquitoes
Aedes albopictus (Skuse)	71	312
Aedes cinereus (Meigen)	20	364
Aedes vexans (Meigen)	275	4735
Anopheles barberi (Coquillett)	2	2
Anopheles bradleyi (King)	24	328
Anopheles crucians (Wiedemann)	9	175
Anopheles punctipennis (Say)	124	552
Anopheles quadrimaculatus (Say)	116	1678
Anopheles walkeri (Theobald)	12	372
Coquillettidia perturbans (Walker)	132	2252
Culex erraticus (Dyar & Knab)	7	27
Culex pipiens (Linnaeus)	465	9463
Culex restuans (Theobald)	329	8327
Culex salinarius (Coquillett)	130	2663
Culex sp.	1605	56648
Culex territans (Walker)	4	10
Culiseta inornata (Williston)	1	1
Culiseta melanura (Coquillett)	124	728
Ochlerotatus atlanticus (Dyar & Knab)	1	1
Ochlerotatus atropalpus (Coquillett)	5	8
Ochlerotatus aurifer (Coquillett)	1	24
Ochlerotatus canadensis canadensis (Theobald)	146	2803
Ochlerotatus cantator (Coquillett)	113	2119
Ochlerotatus fitchii (Felt & Young)	1	49
Ochlerotatus grossbecki (Dyar & Knab)	22	211
Ochlerotatus japonicus (Theobald)	207	1030
Ochlerotatus sollicitans (Walker)	49	467
Ochlerotatus sticticus (Meigen)	41	1180
Ochlerotatus stimulans (Walker)	15	366
Ochlerotatus taeniorhynchus (Wiedemann)	10	49
Ochlerotatus thibaulti (Dyar & Knab)	15	583
Ochlerotatus triseriatus (Say)	273	1452
Ochlerotatus trivittatus (Coquillett)	129	4198
Orthopodomyia signifera (Coquillett)	4	4
Psorophora ciliata (Fabricius)	10	201
Psorophora columbiae (Dyar & Knab)	7	17
Psorophora ferox (von Humboldt)	17	192
Psorophora howardii (Coquillett)	2	2
Uranotaenia sapphirina (Osten Sacken)	2	2
Grand Total	4520	103595

Submissions by County through August 12, 2002

County	Species	Pools	Mosquitoes	Positives
Atlantic		234	6174	1
	<i>Aedes albopictus</i> (Skuse)	3	9	
	<i>Aedes vexans</i> (Meigen)	20	489	
	<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)	5	31	
	<i>Culex restuans</i> (Theobald)	2	2	
	<i>Culex salinarius</i> (Coquillett)	4	81	
	<i>Culex</i> sp.	78	2943	
	<i>Culiseta melanura</i> (Coquillett)	24	79	
	<i>Ochlerotatus canadensis 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)	3	20	
	<i>Ochlerotatus sollicitans</i> (Walker)	11	233	
	<i>Ochlerotatus sticticus</i> (Meigen)	4	59	
	<i>Ochlerotatus taeniorhynchus</i> (Wiedemann)	3	15	
	<i>Ochlerotatus triseriatus</i> (Say)	12	66	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	1	3	
	<i>Psorophora ciliata</i> (Fabricius)	9	200	1
	<i>Psorophora ferox</i> (von Humboldt)	2	98	
Bergen		420	13633	22
	<i>Aedes albopictus</i> (Skuse)	2	2	
	<i>Aedes cinereus</i> (Meigen)	3	27	
	<i>Aedes vexans</i> (Meigen)	20	358	
	<i>Anopheles punctipennis</i> (Say)	9	43	
	<i>Anopheles quadrimaculatus</i> (Say)	4	47	
	<i>Coquillettidia perturbans</i> (Walker)	2	12	
	<i>Culex pipiens</i> (Linnaeus)	55	1245	5
	<i>Culex restuans</i> (Theobald)	76	2247	
	<i>Culex salinarius</i> (Coquillett)	28	1001	
	<i>Culex</i> sp.	166	7822	17
	<i>Culex territans</i> (Walker)	1	3	
	<i>Culiseta melanura</i> (Coquillett)	2	14	
	<i>Ochlerotatus canadensis canadensis</i> (Theobald)	5	66	
	<i>Ochlerotatus cantator</i> (Coquillett)	1	1	
	<i>Ochlerotatus japonicus</i> (Theobald)	11	13	
	<i>Ochlerotatus sollicitans</i> (Walker)	4	69	
	<i>Ochlerotatus sticticus</i> (Meigen)	1	2	
	<i>Ochlerotatus taeniorhynchus</i> (Wiedemann)	1	1	
	<i>Ochlerotatus thibaulti</i> (Dyar & Knab)	14	581	
	<i>Ochlerotatus triseriatus</i> (Say)	6	16	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	5	58	
	<i>Orthopodomyia signifera</i> (Coquillett)	2	2	

	<i>Psorophora columbiae</i> (Dyar & Knab)	1	1	
	<i>Psorophora ferox</i> (von Humboldt)	1	2	
Burlington		300	4281	2
	<i>Aedes albopictus</i> (Skuse)	14	57	2
	<i>Aedes vexans</i> (Meigen)	28	270	
	<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)	7	9	
	<i>Coquillettidia perturbans</i> (Walker)	24	370	
	<i>Culex erraticus</i> (Dyar & Knab)	3	7	
	<i>Culex pipiens</i> (Linnaeus)	9	138	
	<i>Culex restuans</i> (Theobald)	9	142	
	<i>Culex salinarius</i> (Coquillett)	7	47	
	<i>Culex</i> sp.	68	1504	
	<i>Culiseta inornata</i> (Williston)	1	1	
	<i>Culiseta melanura</i> (Coquillett)	30	229	
	<i>Ochlerotatus atlanticus</i> (Dyar & Knab)	1	1	
	<i>Ochlerotatus atropalpus</i> (Coquillett)	1	3	
	<i>Ochlerotatus canadensis 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)	7	11	
	<i>Ochlerotatus sollicitans</i> (Walker)	1	1	
	<i>Ochlerotatus triseriatus</i> (Say)	19	63	
	<i>Ochlerotatus trivittatus</i> (Coquillett)	1	2	
	<i>Psorophora ferox</i> (von Humboldt)	2	2	
	<i>Uranotaenia sapphirina</i> (Osten Sacken)	2	2	
Camden		152	1875	4
	<i>Aedes albopictus</i> (Skuse)	19	55	
	<i>Aedes vexans</i> (Meigen)	14	282	
	<i>Anopheles bradleyi</i> (King)	2	2	
	<i>Anopheles crucians</i> (Wiedemann)	4	163	
	<i>Anopheles punctipennis</i> (Say)	10	20	
	<i>Anopheles quadrimaculatus</i> (Say)	4	5	
	<i>Coquillettidia perturbans</i> (Walker)	6	37	
	<i>Culex erraticus</i> (Dyar & Knab)	1	1	
	<i>Culex pipiens</i> (Linnaeus)	13	197	
	<i>Culex restuans</i> (Theobald)	11	120	
	<i>Culex</i> sp.	38	943	4
	<i>Culiseta melanura</i> (Coquillett)	4	4	
	<i>Ochlerotatus atropalpus</i> (Coquillett)	3	3	
	<i>Ochlerotatus canadensis 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	
	<i>Psorophora ferox</i> (von Humboldt)	1	3	

Cape May	184	2746	2
Aedes albopictus (Skuse)	1	3	
Aedes vexans (Meigen)	2	20	
Anopheles bradleyi (King)	8	248	
Anopheles punctipennis (Say)	2	4	
Anopheles quadrimaculatus (Say)	13	623	
Coquillettidia perturbans (Walker)	4	135	
Culex pipiens (Linnaeus)	76	875	1
Culex restuans (Theobald)	33	284	1
Culex salinarius (Coquillett)	5	157	
Culex territans (Walker)	1	4	
Culiseta melanura (Coquillett)	21	95	
Ochlerotatus canadensis canadensis (Theobald)	6	183	
Ochlerotatus cantator (Coquillett)	7	79	
Ochlerotatus sollicitans (Walker)	1	11	
Ochlerotatus taeniorhynchus (Wiedemann)	1	15	
Ochlerotatus triseriatus (Say)	3	10	
Cumberland	125	952	0
Aedes albopictus (Skuse)	3	10	
Aedes vexans (Meigen)	11	26	
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.	20	115	
Culiseta melanura (Coquillett)	4	10	
Ochlerotatus canadensis canadensis (Theobald)	18	138	
Ochlerotatus cantator (Coquillett)	14	171	
Ochlerotatus grossbecki (Dyar & Knab)	6	7	
Ochlerotatus japonicus (Theobald)	1	6	
Ochlerotatus sollicitans (Walker)	7	10	
Ochlerotatus taeniorhynchus (Wiedemann)	3	3	
Ochlerotatus triseriatus (Say)	16	246	
Ochlerotatus trivittatus (Coquillett)			
Psorophora columbiae (Dyar & Knab)	2	2	
Psorophora howardii (Coquillett)	1	1	
Essex	56	748	1
Aedes vexans (Meigen)	2	6	
Culex pipiens (Linnaeus)	20	435	
Culex restuans (Theobald)	13	196	
Ochlerotatus japonicus (Theobald)	9	28	1
Ochlerotatus sticticus (Meigen)	2	46	
Ochlerotatus triseriatus (Say)	6	24	
Ochlerotatus trivittatus (Coquillett)	2	8	
Psorophora ciliata (Fabricius)	1	1	
Psorophora ferox (von Humboldt)	1	4	

Gloucester	150	2365	1
Aedes albopictus (Skuse)	22	149	
Aedes vexans (Meigen)	5	15	
Anopheles punctipennis (Say)	3	4	
Anopheles quadrimaculatus (Say)	1	1	
Culex pipiens (Linnaeus)	2	2	
Culex sp.	86	1989	1
Ochlerotatus grossbecki (Dyar & Knab)	1	1	
Ochlerotatus triseriatus (Say)	23	137	
Psorophora ferox (von Humboldt)	6	66	
Psorophora howardii (Coquillett)	1	1	
Hudson	9	123	1
Aedes vexans (Meigen)	1	1	
Culex pipiens (Linnaeus)	2	3	
Culex sp.	6	119	1
Hunterdon	231	8879	2
Aedes vexans (Meigen)	3	19	
Anopheles punctipennis (Say)	3	26	
Anopheles quadrimaculatus (Say)	1	1	
Culex pipiens (Linnaeus)	14	362	
Culex restuans (Theobald)	13	425	
Culex salinarius (Coquillett)	3	13	
Culex sp.	157	7594	2
Ochlerotatus canadensis canadensis (Theobald)	2	14	
Ochlerotatus japonicus (Theobald)	18	141	
Ochlerotatus triseriatus (Say)	10	71	
Ochlerotatus trivittatus (Coquillett)	5	201	
Psorophora columbiae (Dyar & Knab)	2	12	
Mercer	25	169	2
Aedes vexans (Meigen)	2	2	
Anopheles punctipennis (Say)	3	11	
Anopheles quadrimaculatus (Say)	2	4	
Culex pipiens (Linnaeus)	8	95	1
Culex restuans (Theobald)	6	42	1
Culex salinarius (Coquillett)	2	2	
Ochlerotatus triseriatus (Say)	2	13	
Middlesex	180	2913	5
Aedes vexans (Meigen)	10	41	
Anopheles crucians (Wiedemann)	1	2	
Anopheles punctipennis (Say)	6	12	
Anopheles quadrimaculatus (Say)	1	10	
Coquillettidia perturbans (Walker)	6	49	
Culex pipiens (Linnaeus)	18	435	1
Culex restuans (Theobald)	10	297	

Culex salinarius (Coquillett)	5	76	
Culex sp.	90	1879	4
Ochlerotatus canadensis canadensis (Theobald)	1	1	
Ochlerotatus cantator (Coquillett)	8	57	
Ochlerotatus japonicus (Theobald)	5	15	
Ochlerotatus sollicitans (Walker)	4	12	
Ochlerotatus triseriatus (Say)	12	24	
Ochlerotatus trivittatus (Coquillett)	3	3	
Monmouth	339	3383	6
Aedes albopictus (Skuse)	4	23	
Aedes vexans (Meigen)	16	151	
Anopheles barberi (Coquillett)	2	2	
Anopheles punctipennis (Say)	10	13	1
Anopheles quadrimaculatus (Say)	5	5	
Coquillettidia perturbans (Walker)	5	6	
Culex pipiens (Linnaeus)	82	1240	
Culex restuans (Theobald)	28	725	2
Culex salinarius (Coquillett)	6	22	
Culex sp.	88	994	3
Ochlerotatus canadensis canadensis (Theobald)	11	43	
Ochlerotatus cantator (Coquillett)	5	12	
Ochlerotatus japonicus (Theobald)	34	49	
Ochlerotatus sollicitans (Walker)	6	21	
Ochlerotatus triseriatus (Say)	29	65	
Ochlerotatus trivittatus (Coquillett)	7	11	
Psorophora columbiae (Dyar & Knab)	1	1	
Morris	263	6954	14
Aedes cinereus (Meigen)	8	243	
Aedes vexans (Meigen)	28	805	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.	82	2991	6
Ochlerotatus canadensis canadensis (Theobald)	7	128	
Ochlerotatus cantator (Coquillett)	1	3	
Ochlerotatus grossbecki (Dyar & Knab)	3	101	
Ochlerotatus japonicus (Theobald)	24	110	
Ochlerotatus sticticus (Meigen)	12	444	
Ochlerotatus stimulans (Walker)	5	151	
Ochlerotatus triseriatus (Say)	10	37	1
Ochlerotatus trivittatus (Coquillett)	14	397	1
Orthopodomyia signifera (Coquillett)	1	1	

Ocean	298	5133	11
Aedes albopictus (Skuse)	3	4	
Aedes vexans (Meigen)	23	170	
Anopheles bradleyi (King)	5	24	
Anopheles punctipennis (Say)	3	4	
Anopheles quadrimaculatus (Say)	1	1	
Coquillettidia perturbans (Walker)	17	240	
Culex pipiens (Linnaeus)	13	184	1
Culex restuans (Theobald)	11	160	
Culex salinarius (Coquillett)	22	429	
Culex sp.	99	3255	10
Culex territans (Walker)	1	1	
Culiseta melanura (Coquillett)	14	56	
Ochlerotatus canadensis canadensis (Theobald)	21	259	
Ochlerotatus cantator (Coquillett)	20	125	
Ochlerotatus grossbecki (Dyar & Knab)	1	1	
Ochlerotatus japonicus (Theobald)	4	21	
Ochlerotatus sollicitans (Walker)	11	98	
Ochlerotatus sticticus (Meigen)	1	1	
Ochlerotatus taeniorhynchus (Wiedemann)	1	13	
Ochlerotatus triseriatus (Say)	24	71	
Psorophora ferox (von Humboldt)	3	16	
Passaic	223	7437	16
Aedes vexans (Meigen)	6	20	
Anopheles punctipennis (Say)	6	34	
Anopheles quadrimaculatus (Say)	5	38	
Anopheles walkeri (Theobald)	1	2	
Coquillettidia perturbans (Walker)	2	8	
Culex pipiens (Linnaeus)	9	315	
Culex restuans (Theobald)	5	75	
Culex salinarius (Coquillett)	3	4	
Culex sp.	154	6755	16
Ochlerotatus canadensis canadensis (Theobald)	2	19	
Ochlerotatus japonicus (Theobald)	17	111	
Ochlerotatus triseriatus (Say)	8	41	
Ochlerotatus trivittatus (Coquillett)	5	15	
Salem	324	4293	2
Aedes vexans (Meigen)	22	106	
Anopheles bradleyi (King)	4	20	
Anopheles punctipennis (Say)	16	46	2
Anopheles quadrimaculatus (Say)	39	370	
Anopheles walkeri (Theobald)	1	1	
Coquillettidia perturbans (Walker)	6	8	
Culex erraticus (Dyar & Knab)	3	19	
Culex pipiens (Linnaeus)	39	1036	
Culex restuans (Theobald)	11	90	
Culex salinarius (Coquillett)	28	614	

Culex sp.	93	1600	
Culex territans (Walker)	1	2	
Culiseta melanura (Coquillett)	25	241	
Ochlerotatus canadensis canadensis (Theobald)	1	2	
Ochlerotatus cantator (Coquillett)	16	83	
Ochlerotatus sollicitans (Walker)	4	12	
Ochlerotatus taeniorhynchus (Wiedemann)	1	2	
Ochlerotatus thibaulti (Dyar & Knab)	1	2	
Ochlerotatus triseriatus (Say)	13	39	
Somerset	209	4966	2
Aedes vexans (Meigen)	7	26	
Anopheles punctipennis (Say)	6	18	
Anopheles quadrimaculatus (Say)	1	1	
Culex pipiens (Linnaeus)	49	1661	
Culex restuans (Theobald)	12	191	
Culex salinarius (Coquillett)	3	5	
Culex sp.	73	2899	2
Ochlerotatus canadensis canadensis (Theobald)	3	5	
Ochlerotatus japonicus (Theobald)	27	70	
Ochlerotatus sticticus (Meigen)	1	1	
Ochlerotatus stimulans (Walker)	1	1	
Ochlerotatus triseriatus (Say)	22	48	
Ochlerotatus trivittatus (Coquillett)	3	39	
Psorophora ferox (von Humboldt)	1	1	
Sussex	414	15151	0
Aedes cinereus (Meigen)	8	91	
Aedes vexans (Meigen)	47	1835	
Anopheles punctipennis (Say)	12	190	
Anopheles quadrimaculatus (Say)	9	221	
Coquillettidia perturbans (Walker)	36	1163	
Culex pipiens (Linnaeus)	6	38	
Culex restuans (Theobald)	13	343	
Culex sp.	132	6027	
Ochlerotatus aurifer (Coquillett)	1	24	
Ochlerotatus canadensis canadensis (Theobald)	18	419	
Ochlerotatus fitchii (Felt & Young)	1	49	
Ochlerotatus japonicus (Theobald)	14	217	
Ochlerotatus sticticus (Meigen)	20	627	
Ochlerotatus stimulans (Walker)	7	206	
Ochlerotatus triseriatus (Say)	13	263	
Ochlerotatus trivittatus (Coquillett)	77	3438	

Union	105	2788	4
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.	29	1195	4
Ochlerotatus japonicus (Theobald)	4	6	
Ochlerotatus triseriatus (Say)	8	16	
Warren	279	8632	1
Aedes cinereus (Meigen)	1	3	
Aedes vexans (Meigen)	3	67	
Anopheles crucians (Wiedemann)	1	5	
Anopheles punctipennis (Say)	6	36	
Anopheles quadrimaculatus (Say)	14	279	
Anopheles walkeri (Theobald)	7	350	
Coquillettia perturbans (Walker)	8	112	
Culex pipiens (Linnaeus)	3	17	
Culex restuans (Theobald)	29	1307	
Culex salinarius (Coquillett)	1	1	
Culex sp.	146	6024	1
Ochlerotatus atropalpus (Coquillett)	1	2	
Ochlerotatus canadensis canadensis (Theobald)	1	11	
Ochlerotatus japonicus (Theobald)	29	212	
Ochlerotatus stimulans (Walker)	2	8	
Ochlerotatus triseriatus (Say)	22	177	
Ochlerotatus trivittatus (Coquillett)	4	20	
Orthopodomyia signifera (Coquillett)	1	1	
Grand Total	4520	103595	99