

VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 6

Culiseta melanura Monitor

July 8–12, 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.)	2.7	0.1	71	17	-	Waterford (Camden Co.)	0.9	0	1	1	-
Corbin City (Atlantic Co.)	0.7	0.5	61	17	-	Centerton (Salem Co.)	3.2	0.7	228	23	-
Dennisville (Cape May Co.)	4.4	0	160	15	-						

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	758	342	64	360	175	95	73	98	29	83	22	51	345	2,495
Total Specimens	20,728	10,348	1,266	13,288	3,302	1,780	2,091	515	233	233	99	282	5,348	59,513
No. Positive Pools	2	1	0	3	0	0	0	0	0	0	0	0	0	6

Remarks: *Culiseta melanura* populations continue to exhibit exceptionally low population levels for this time of year at all sites being monitored for EEE activity. The increase in dead crow reports appears to be signaling onset of WNV amplification in our geographic area. The positive pool of *Oc. cantator* listed in last week's summary was a reporting error. WNV has not been found in NJ populations of *Oc. cantator* to date.

WNV Positive Pools through 7/15/02:

- 50 *Cx. restuans* Tinton Falls, Monmouth Co. 5/22/02
- 50 *Cx. spp.* Merchantville, Camden Co. 6/12/02
- 12 *Cx. spp.* South Plainfield, Middlesex Co. 6/20/02
- 50 *Cx. pipiens* South Plainfield, Middlesex Co. 6/26/02
- 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-40500-06-02
 Supported by State funds and funding by the NJ State Mosquito Control Commission.
 Summary Prepared by: Wayne J. Crans, Rutgers University

Results through July 15, 2002

County	Species	Mosquitoes	Pools	Positives
Atlantic		3685	141	0
	Aedes vexans (Meigen)	366	17	
	Anopheles punctipennis (Say)	2	1	
	Anopheles quadrimaculatus (Say)	1	1	
	Coquillettidia perturbans (Walker)	13	2	
	Culex pipiens (Linnaeus)	386	20	
	Culex salinarius (Coquillett)	81	4	
	Culex sp.	595	14	
	Culiseta melanura (Coquillett)	37	8	
	Ochlerotatus canadensis canadensis (Theobald)	473	10	
	Ochlerotatus cantator (Coquillett)	1217	31	
	Ochlerotatus grossbecki (Dyar & Knab)	69	6	
	Ochlerotatus sollicitans (Walker)	132	8	
	Ochlerotatus sticticus (Meigen)	46	3	
	Ochlerotatus taeniorhynchus (Wiedemann)	3	1	
	Ochlerotatus triseriatus (Say)	47	7	
	Ochlerotatus trivittatus (Coquillett)	3	1	
	Psorophora ciliata (Fabricius)	116	5	
	Psorophora ferox (von Humboldt)	98	2	
Bergen		9819	308	0
	Aedes albopictus (Skuse)	1	1	
	Aedes cinereus (Meigen)	5	2	
	Aedes vexans (Meigen)	284	14	
	Anopheles punctipennis (Say)	19	6	
	Anopheles quadrimaculatus (Say)	10	2	
	Culex pipiens (Linnaeus)	1311	60	
	Culex restuans (Theobald)	5240	141	
	Culex salinarius (Coquillett)	448	14	
	Culex sp.	2200	44	
	Culex territans (Walker)	3	1	
	Ochlerotatus canadensis canadensis (Theobald)	62	4	
	Ochlerotatus cantator (Coquillett)	1	1	
	Ochlerotatus japonicus (Theobald)	7	6	
	Ochlerotatus sollicitans (Walker)	21	2	
	Ochlerotatus sticticus (Meigen)	2	1	
	Ochlerotatus thibaulti (Dyar & Knab)	144	4	
	Ochlerotatus triseriatus (Say)	6	1	
	Ochlerotatus trivittatus (Coquillett)	55	4	
Burlington		1786	142	0
	Aedes albopictus (Skuse)	38	7	
	Aedes vexans (Meigen)	225	15	
	Anopheles crucians (Wiedemann)	4	2	
	Anopheles punctipennis (Say)	28	7	

Anopheles quadrimaculatus (Say)	6	4	
Coquillettidia perturbans (Walker)	38	10	
Culex pipiens (Linnaeus)	893	36	
Culex restuans (Theobald)	49	4	
Culex sp.	43	6	
Culiseta melanura (Coquillett)	54	12	
Ochlerotatus atlanticus (Dyar & Knab)	1	1	
Ochlerotatus atropalpus (Coquillett)	3	1	
Ochlerotatus canadensis canadensis (Theobald)	317	17	
Ochlerotatus cantator (Coquillett)	6	1	
Ochlerotatus grossbecki (Dyar & Knab)	32	5	
Ochlerotatus japonicus (Theobald)	4	2	
Ochlerotatus sollicitans (Walker)	1	1	
Ochlerotatus triseriatus (Say)	38	6	
Ochlerotatus trivittatus (Coquillett)	2	1	
Psorophora ferox (von Humboldt)	2	2	
Uranotaenia sapphirina (Osten Sacken)	2	2	
(blank)			
Camden	827	70	1
Aedes albopictus (Skuse)	24	10	
Aedes vexans (Meigen)	24	5	
Anopheles punctipennis (Say)	8	4	
Anopheles quadrimaculatus (Say)	1	1	
Coquillettidia perturbans (Walker)	16	3	
Culex pipiens (Linnaeus)	550	21	1
Culex restuans (Theobald)	61	7	
Culex sp.	121	6	
Culiseta melanura (Coquillett)	1	1	
Ochlerotatus atropalpus (Coquillett)	1	1	
Ochlerotatus canadensis canadensis (Theobald)	11	4	
Ochlerotatus triseriatus (Say)	9	7	
Cape_May	1183	101	0
Aedes vexans (Meigen)	1	1	
Anopheles bradleyi (King)	23	1	
Anopheles punctipennis (Say)	2	1	
Anopheles quadrimaculatus (Say)	300	6	
Coquillettidia perturbans (Walker)	16	1	
Culex pipiens (Linnaeus)	401	40	
Culex restuans (Theobald)	219	29	
Culex salinarius (Coquillett)	3	1	
Culex territans (Walker)	4	1	
Culiseta melanura (Coquillett)	28	9	
Ochlerotatus canadensis canadensis (Theobald)	172	5	
Ochlerotatus cantator (Coquillett)	7	4	
Ochlerotatus triseriatus (Say)	7	2	

Cumberland	411	43	0
Aedes vexans (Meigen)	7	4	
Anopheles quadrimaculatus (Say)	1	1	
Coquillettia perturbans (Walker)	1	1	
Culex sp.	21	4	
Culiseta melanura (Coquillett)	9	3	
Ochlerotatus canadensis canadensis (Theobald)	84	7	
Ochlerotatus cantator (Coquillett)	144	8	
Ochlerotatus grossbecki (Dyar & Knab)	4	4	
Ochlerotatus sollicitans (Walker)	4	4	
Ochlerotatus taeniorhynchus (Wiedemann)	1	1	
Ochlerotatus triseriatus (Say)	133	4	
Psorophora columbiae (Dyar & Knab)	1	1	
Psorophora howardii (Coquillett)	1	1	
Essex	287	23	0
Aedes vexans (Meigen)	6	2	
Culex pipiens (Linnaeus)	146	6	
Culex restuans (Theobald)	51	4	
Ochlerotatus japonicus (Theobald)	4	2	
Ochlerotatus sticticus (Meigen)	46	2	
Ochlerotatus triseriatus (Say)	21	3	
Ochlerotatus trivittatus (Coquillett)	8	2	
Psorophora ciliata (Fabricius)	1	1	
Psorophora ferox (von Humboldt)	4	1	
Gloucester	599	37	0
Aedes albopictus (Skuse)	28	3	
Aedes vexans (Meigen)	1	1	
Anopheles punctipennis (Say)	1	1	
Culex pipiens (Linnaeus)	369	18	
Culex sp.	147	8	
Ochlerotatus triseriatus (Say)	53	6	
Hunterdon	4932	123	0
Aedes vexans (Meigen)	15	2	
Anopheles punctipennis (Say)	16	1	
Culex pipiens (Linnaeus)	2569	56	
Culex restuans (Theobald)	4	1	
Culex sp.	2038	41	
Ochlerotatus canadensis canadensis (Theobald)	14	2	
Ochlerotatus japonicus (Theobald)	69	10	
Ochlerotatus triseriatus (Say)	56	6	
Ochlerotatus trivittatus (Coquillett)	151	4	
(blank)			

Middlesex	2314	135	3
Aedes vexans (Meigen)	41	10	
Anopheles crucians (Wiedemann)	2	1	
Anopheles punctipennis (Say)	1	1	
Coquillettidia perturbans (Walker)	39	5	
Culex pipiens (Linnaeus)	843	35	1
Culex restuans (Theobald)	297	10	
Culex salinarius (Coquillett)	76	5	
Culex sp.	925	42	2
Ochlerotatus canadensis canadensis (Theobald)	1	1	
Ochlerotatus cantator (Coquillett)	57	8	
Ochlerotatus japonicus (Theobald)	2	2	
Ochlerotatus sollicitans (Walker)	12	4	
Ochlerotatus triseriatus (Say)	15	8	
Ochlerotatus trivittatus (Coquillett)	3	3	
Monmouth	2655	218	1
Aedes albopictus (Skuse)	8	1	
Aedes vexans (Meigen)	131	8	
Anopheles punctipennis (Say)	6	6	
Anopheles quadrimaculatus (Say)	4	4	
Coquillettidia perturbans (Walker)	5	4	
Culex pipiens (Linnaeus)	1425	98	
Culex restuans (Theobald)	718	27	1
Culex salinarius (Coquillett)	10	2	
Culex sp.	233	18	
Ochlerotatus canadensis canadensis (Theobald)	38	9	
Ochlerotatus cantator (Coquillett)	7	3	
Ochlerotatus japonicus (Theobald)	32	24	
Ochlerotatus sollicitans (Walker)	17	3	
Ochlerotatus triseriatus (Say)	18	8	
Ochlerotatus trivittatus (Coquillett)	3	3	
Morris	4480	145	0
Aedes cinereus (Meigen)	238	7	
Aedes vexans (Meigen)	756	22	
Anopheles punctipennis (Say)	11	6	
Anopheles walkeri (Theobald)	1	1	
Coquillettidia perturbans (Walker)	27	2	
Culex pipiens (Linnaeus)	50	3	
Culex restuans (Theobald)	704	17	
Culex salinarius (Coquillett)	102	4	
Culex sp.	1344	35	
Ochlerotatus canadensis canadensis (Theobald)	127	6	
Ochlerotatus cantator (Coquillett)	3	1	
Ochlerotatus grossbecki (Dyar & Knab)	101	3	
Ochlerotatus japonicus (Theobald)	17	6	
Ochlerotatus sticticus (Meigen)	444	12	
Ochlerotatus stimulans (Walker)	151	5	

	Ochlerotatus triseriatus (Say)	6	2	
	Ochlerotatus trivittatus (Coquillett)	398	13	
Ocean		1899	154	0
	Aedes vexans (Meigen)	61	14	
	Anopheles barberi (Coquillett)	1	1	
	Anopheles punctipennis (Say)	3	2	
	Coquillettidia perturbans (Walker)	31	6	
	Culex pipiens (Linnaeus)	740	40	
	Culex restuans (Theobald)	159	10	
	Culex salinarius (Coquillett)	337	18	
	Culex sp.	162	9	
	Culiseta melanura (Coquillett)	31	7	
	Ochlerotatus canadensis canadensis (Theobald)	221	16	
	Ochlerotatus cantator (Coquillett)	88	13	
	Ochlerotatus grossbecki (Dyar & Knab)	1	1	
	Ochlerotatus japonicus (Theobald)	7	2	
	Ochlerotatus sollicitans (Walker)	43	6	
	Ochlerotatus sticticus (Meigen)	1	1	
	Ochlerotatus triseriatus (Say)	13	8	
Passaic		3819	140	0
	Aedes vexans (Meigen)	20	6	
	Anopheles punctipennis (Say)	35	7	
	Anopheles quadrimaculatus (Say)	37	4	
	Anopheles walkeri (Theobald)	2	1	
	Coquillettidia perturbans (Walker)	2	1	
	Culex pipiens (Linnaeus)	1591	51	
	Culex restuans (Theobald)	75	5	
	Culex salinarius (Coquillett)	4	3	
	Culex sp.	1961	42	
	Ochlerotatus canadensis canadensis (Theobald)	19	2	
	Ochlerotatus japonicus (Theobald)	40	8	
	Ochlerotatus triseriatus (Say)	18	5	
	Ochlerotatus trivittatus (Coquillett)	15	5	
Salem		2807	174	0
	Aedes vexans (Meigen)	54	14	
	Anopheles punctipennis (Say)	8	4	
	Anopheles quadrimaculatus (Say)	29	7	
	Anopheles walkeri (Theobald)	1	1	
	Coquillettidia perturbans (Walker)	1	1	
	Culex pipiens (Linnaeus)	1753	73	
	Culex restuans (Theobald)	80	10	
	Culex salinarius (Coquillett)	200	10	
	Culex sp.	473	23	
	Culiseta melanura (Coquillett)	122	11	
	Ochlerotatus cantator (Coquillett)	76	15	
	Ochlerotatus sollicitans (Walker)	3	1	
	Ochlerotatus triseriatus (Say)	7	4	

Somerset	3488	143	1
Aedes vexans (Meigen)	26	7	
Anopheles punctipennis (Say)	15	4	
Culex pipiens (Linnaeus)	2213	60	
Culex restuans (Theobald)	183	10	
Culex salinarius (Coquillett)	5	3	
Culex sp.	941	22	1
Ochlerotatus canadensis canadensis (Theobald)	5	3	
Ochlerotatus japonicus (Theobald)	24	13	
Ochlerotatus sticticus (Meigen)	1	1	
Ochlerotatus stimulans (Walker)	1	1	
Ochlerotatus triseriatus (Say)	34	15	
Ochlerotatus trivittatus (Coquillett)	39	3	
Psorophora ferox (von Humboldt)	1	1	
Sussex	6368	178	0
Aedes cinereus (Meigen)	74	5	
Aedes vexans (Meigen)	1233	31	
Anopheles punctipennis (Say)	91	8	
Anopheles quadrimaculatus (Say)	128	4	
Coquillettia perturbans (Walker)	13	1	
Culex pipiens (Linnaeus)	1789	45	
Culex restuans (Theobald)	404	16	
Culex sp.	335	7	
Ochlerotatus canadensis canadensis (Theobald)	236	9	
Ochlerotatus fitchii (Felt & Young)	49	1	
Ochlerotatus japonicus (Theobald)	13	1	
Ochlerotatus sticticus (Meigen)	551	16	
Ochlerotatus stimulans (Walker)	49	2	
Ochlerotatus trivittatus (Coquillett)	1403	32	
Union	1302	42	0
Anopheles punctipennis (Say)	2	1	
Culex pipiens (Linnaeus)	723	22	
Culex restuans (Theobald)	183	7	
Culex sp.	385	9	
Ochlerotatus triseriatus (Say)	9	3	

Warren	6852	178	0
Aedes cinereus (Meigen)	3	1	
Aedes vexans (Meigen)	51	2	
Anopheles punctipennis (Say)	8	1	
Anopheles quadrimaculatus (Say)	64	3	
Anopheles walkeri (Theobald)	350	7	
Coquillettidia perturbans (Walker)	59	2	
Culex pipiens (Linnaeus)	2976	74	
Culex restuans (Theobald)	1921	44	
Culex sp.	1364	30	
Ochlerotatus atropalpus (Coquillett)	2	1	
Ochlerotatus japonicus (Theobald)	14	7	
Ochlerotatus stimulans (Walker)	4	1	
Ochlerotatus triseriatus (Say)	25	3	
Ochlerotatus trivittatus (Coquillett)	11	2	
Grand Total	59513	2495	6