

Mosquito Trapping Statistics for 2013 Season

(end of season 10/31/13)

Table showing mosquito species collected and tested for West Nile virus (WNV) and Eastern Equine Encephalitis virus (EEE)

Species	Collected	% Collected	WNV Tested	% WNV Tested	EEE Tested	% EEE Tested
Culiseta melanura	4581	14.00%	4550	27.20%	4550	27.20%
Anopheles quadrimaculatus	4220	12.89%				
Anopheles punctipennis	3869	11.82%				
Culex pipiens-restuans	3829	11.70%	3745	22.39%	3745	22.39%
Culex territans	3135	9.58%				
Aedes vexans	2733	8.35%	2456	14.68%	2456	14.68%
Coquillettidia perturbans	2650	8.10%	2450	14.65%	2450	14.65%
Anopheles walkeri	2126	6.50%				
Ochlerotatus trivittatus	1103	3.37%	984	5.88%	984	5.88%
Aedes cinereus	925	2.83%	816	4.88%	816	4.88%
Ochlerotatus sticticus	914	2.79%	33	0.20%	33	0.20%
Culex salinarius	520	1.59%	506	3.02%	506	3.02%
Ochlerotatus canadensis	439	1.34%	412	2.46%	412	2.46%
Culex pipiens	405	1.24%	379	2.27%	379	2.27%
Ochlerotatus triseriatus	344	1.05%	72	0.43%	72	0.43%
Uranotaenia sapphirina	340	1.04%				
Culiseta morsitans	195	0.60%	187	1.12%	187	1.12%
Ochlerotatus japonicus	132	0.40%	101	0.60%	101	0.60%
Ochlerotatus communis	60	0.18%				
Psorophora ferox	37	0.11%				
Ochlerotatus intrudens	32	0.10%				
Culex restuans	30	0.09%	28	0.17%	28	0.17%
Ochlerotatus excrucians	25	0.08%				
Culex species	21	0.06%	10	0.06%	10	0.06%
Ochlerotatus stimulans	16	0.05%				
Ochlerotatus fitchii	15	0.05%				
Ochlerotatus atropalpus	8	0.02%				
Ochlerotatus aurifer	6	0.02%				
Ochlerotatus punctor	6	0.02%				
Ochlerotatus provocans	3	0.01%				
Ochlerotatus species	2	0.01%				
Culiseta minnesotae	1	0.00%				
Ochlerotatus dorsalis	1	0.00%				
Anopheles species	1	0.00%				
Anopheles earlei	1	0.00%				
Anopheles barberi	1	0.00%				
Culiseta species	1	0.00%				
Totals	32727	100.00%	16729	100.00%	16729	100.00%

● Number of species (out of 45 on state list) trapped – 32 species

Mosquito Trapping Data

- Number of trap locations – 91
- Number of mosquitoes collected – 32,727
- Number of CDC Light trap nights– 68
- Number of mosquitoes collected in CDC Light Traps – 12,668
- Number of Resting Box trap nights (10 boxes each site) - 190
- Number of mosquitoes collected Resting Box traps – 16,841
- Number of Gravid trap nights – 51
- Number of mosquitoes collected Gravid traps – 3,336

Arbovirus Testing Results listed by CDC Week Number

Week Beginning	Week Number	Samples Submitted	Samples Negative	EEE Positive	WNV Positive
6/16/2013	25	12	12	0	0
6/23/2013	26	7	7	0	0
6/30/2013	27	7	7	0	0
7/7/2013	28	81	80	0	1
7/14/2013	29	76	76	0	0
7/21/2013	30	34	32	0	1
7/28/2013	31	85	82	1	2
8/4/2013	32	122	116	3	3
8/11/2013	33	97	90	2	5
8/18/2013	34	112	108	2	2
8/25/2013	35	178	170	7	1
9/1/2013	36	118	113	2	3
9/8/2013	37	138	129	5	4
9/15/2013	38	84	82	0	2
9/22/2013	39	47	46	0	1
9/29/2013	40	91	90	0	1
10/6/2013	41	27	26	0	1
10/13/2013	42	16	16	0	0
10/20/2013	43	6	6	0	0
10/27/2013	44	0	0	0	0
	Totals	1338	1288	22	27

- Total number of mosquito pool samples tested – 1338

Eastern Equine Encephalitis Virus Findings

- Number of mosquitoes tested for EEE – 16,729
- Total Number of EEE positive mosquito pools – 22
- Positive EEE mosquito pools were found in 6 towns
- *Culiseta melanura* was the primary vector species. There were two pools testing positive with secondary vector species – one with a mixture of *Culex restuans* and *Culex pipiens* and the other pool contained *Coquillettidia perturbans*.
- First EEE positive mosquito pool sample was collected on 8/1/2013
- The date of last 3 EEE positive mosquito pool samples collected was 9/12/2013

Table showing occurrences of EEE positive mosquitoes

Town	EEE	Date	Mosquito Species
Brandon	2	8/26/2013	<i>Culiseta melanura</i>
		9/12/2013	<i>Culiseta melanura</i>
Cornwall	1	9/12/2013	<i>Culiseta melanura</i>
Leicester	1	8/26/2013	<i>Culiseta melanura</i>
Milton	1	9/12/2013	<i>Culiseta melanura</i>
Sudbury	2	8/19/2013	<i>Culiseta melanura</i>
		9/9/2013	<i>Culiseta melanura</i>
Whiting	15	8/1/2013	<i>Culiseta melanura</i>
		8/10/2013	<i>Culiseta melanura</i>
		8/10/2013	<i>Culiseta melanura</i>
		8/10/2013	<i>Culex restuans/pipiens</i> mix
		8/12/2013	<i>Culiseta melanura</i>
		8/14/2013	<i>Culiseta melanura</i>
		8/19/2013	<i>Culiseta melanura</i>
		8/25/2013	<i>Coquillettidia perturbans</i>
		8/26/2013	<i>Culiseta melanura</i>
		8/26/2013	<i>Culiseta melanura</i>
		8/28/2013	<i>Culiseta melanura</i>
		8/29/2013	<i>Culiseta melanura</i>
		9/5/2013	<i>Culiseta melanura</i>
		9/5/2013	<i>Culiseta melanura</i>
		9/9/2013	<i>Culiseta melanura</i>

Total 22

West Nile Virus Findings

- Number of mosquitoes tested for WNV – 16,729
- Total Number of WNV Positive Mosquito Pools – 29
- Positive WNV mosquito pools were found in 12 towns
- WNV was found in *Culiseta melanura* and samples containing a mixture of *Culex restuans* and *Culex pipiens*.
- The first and last collection dates for WNV positive mosquitoes were 7/10/13 and 10/8/13, respectively.

Table showing occurrences of WNV positive mosquitoes

Town	WNV	Date	Species
Alburg	1	9/6/2013	Culiseta melanura
Brandon	2	8/12/2013	Culiseta melanura
		9/5/2013	Aedes vexans
Colchester	1	9/13/2013	Culiseta melanura
Cornwall	1	9/5/2013	Culiseta melanura
Fairfax	1	8/3/2013	Culiseta melanura
Leicester	1	7/10/2013	Culex restuans/pipiens mix
Milton	1	9/12/2013	Culiseta melanura
Pittsford	4	7/31/2013	Culex restuans/pipiens mix
		8/6/2013	Culex restuans/pipiens mix
		8/6/2013	Culex restuans/pipiens mix
		8/13/2013	Culex restuans/pipiens mix
		8/13/2013	Culex restuans/pipiens mix
		8/13/2013	Culex restuans/pipiens mix
Rutland Town	3	8/21/2013	Culex restuans/pipiens mix
		8/10/2013	Culex restuans/pipiens mix
		9/11/2013	Culex restuans/pipiens mix
Shoreham	2	9/11/2013	Culex restuans/pipiens mix
		8/13/2013	Culex restuans/pipiens mix
Swanton	1	9/12/2013	Culiseta melanura
Whiting	11	7/26/2013	Culiseta melanura
		7/26/2013	Culiseta melanura
		8/12/2013	Culiseta melanura
		8/14/2013	Culiseta melanura
		8/19/2013	Culiseta melanura
		8/26/2013	Culiseta melanura
		9/18/2013	Culiseta melanura
		9/20/2013	Culiseta melanura
		9/27/2013	Culiseta melanura
10/2/2013	Culiseta melanura		
		10/8/2013	Culiseta melanura

Total 29

Table showing towns where traps trapping occurred and number of weeks surveyed in that town.

		Weeks
County	Town	Trapped
Grand Isle	Alburg	12
Rutland	Benson	7
Rutland	Brandon	19
Addison	Bridport	3
Chittenden	Burlington	1
Rutland	Castleton	9
Rutland	Chittenden	1
Chittenden	Colchester	10
Addison	Cornwall	17
Rutland	Fair Haven	8
Franklin	Fairfax	10
Addison	Goshen	1
Grand Isle	Grand Isle	8
Franklin	Highgate	7
Rutland	Hubbardton	2
Addison	Leicester	20
Addison	Middlebury	1
Chittenden	Milton	10
Addison	New Haven	16
Grand Isle	North Hero	9
Addison	Orwell	3
Rutland	Pittsford	12
Rutland	Proctor	4
Rutland	Rutland Town	5
Addison	Salisbury	15
Addison	Shoreham	7
Rutland	Sudbury	14
Franklin	Swanton	10
Rutland	West Rutland	3
Addison	Weybridge	2
Addison	Whiting	19

- Number of towns trapped – 31
- Number of town trapped 2 weeks or more – 29

Table showing counties where traps trapping occurred and number of weeks surveyed in that town.

	Weeks
County	Trapped
Addison	20
Chittenden	10
Franklin	11
Grand Isle	12
Rutland	19

- Missing counties: 9
- Number of counties trapped 2 weeks or more – 5