

NEW JERSEY ADULT MOSQUITO SURVEILLANCE
Report for 15 May to 31 May 2008, CDC Week 22
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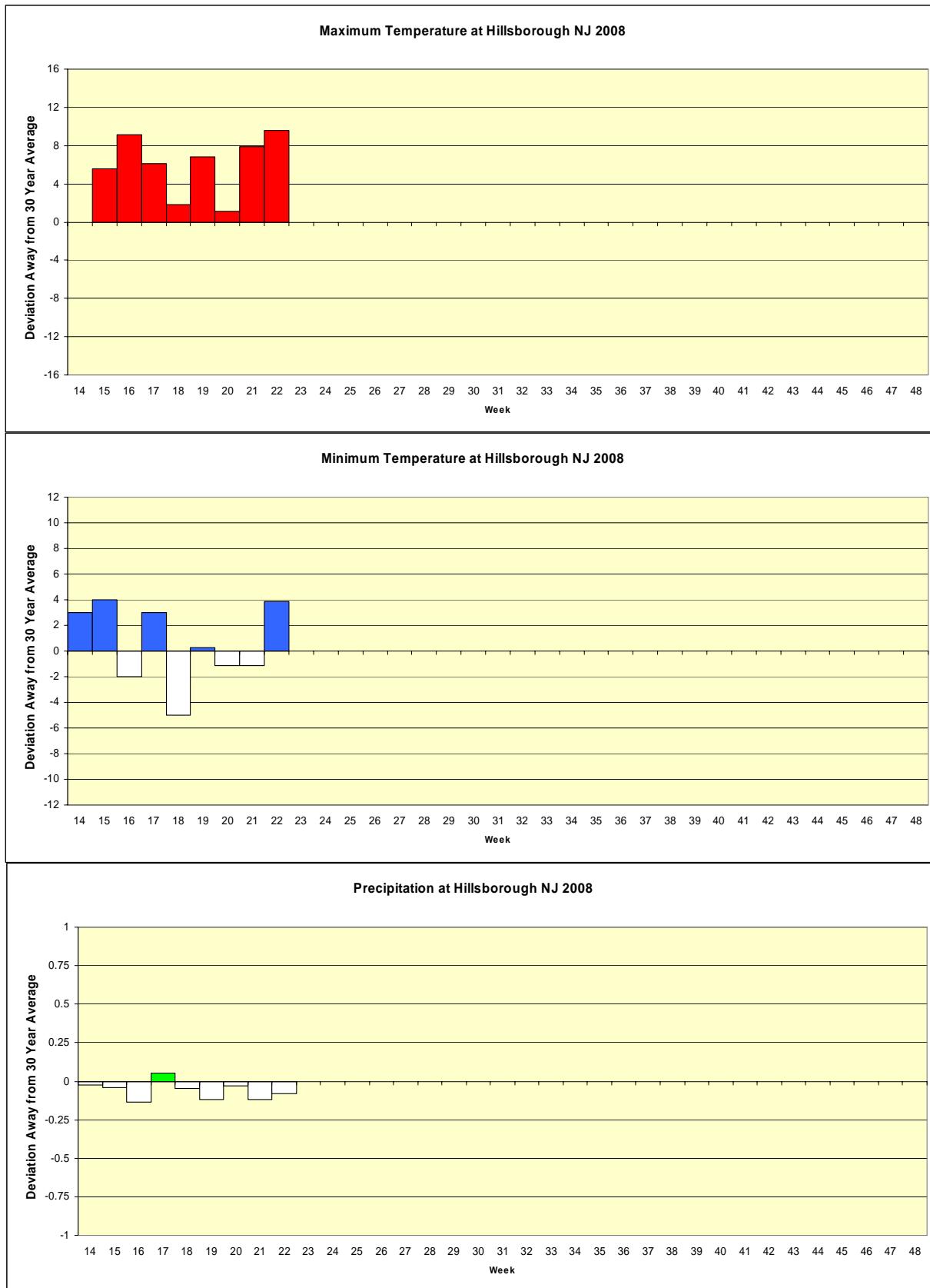
Summary table – Week 22

	<i>Aedes vexans</i>			<i>Culex Mix</i>			<i>Coquillettidia perturbans</i>			<i>Aedes sollicitans</i>		
Region	This Week	Average*	Increase	This Week	Average*	Increase	This Week	Average*	Increase	This Week	Average*	Increase
Agricultural	0.07	1.49	0	0.45	1.28	0	0.00	0.07	0	0.00	0.07	0
Coastal	0.06	4.48	0	1.29	1.67	0	0.00	0.21	0	2.33	2.66	0
Delaware Bayshore	0.00	3.67	0	0.00	4.42	0	0.00	0.67	0	0.00	4.02	0
Delaware River Basin	0.00	14.31	0	0.00	9.04	0	0.00	0.08	0	0.00	0.00	0
New York Metro	0.00	0.99	0	0.00	1.62	0	0.00	0.00	0	0.21	0.07	4
North Central Rural	0.00	0.35	0	0.06	0.39	0	0.00	0.00	0	0.00	0.00	0
Northwest Rural	0.00	7.34	0	0.00	0.61	0	0.00	0.01	0	0.00	0.00	0
Philadelphia Metro	0.21	6.62	0	2.81	3.56	0	0.00	0.52	0	0.00	0.00	0
Pinelands	0.05	1.67	0	0.52	2.37	0	0.00	0.11	0	0.01	0.10	0
Suburban Corridor	0.05	1.48	0	0.43	1.34	0	0.00	0.08	0	0.00	0.00	0

* Averages represent data from, at most, the previous 5 years. Increase is a scale of current values from historical values where no difference or a decrease is represented by 0 (blue), up to 50% greater difference by 1 (green), up to 100% greater difference by 2 (yellow), up to 150% greater difference by 3 (orange) and greater than 150% increase by 4 (red). White cells denote increases from an historic zero and thus no value can be appropriately given. These end-of-year changes are generally minor unless otherwise noted.

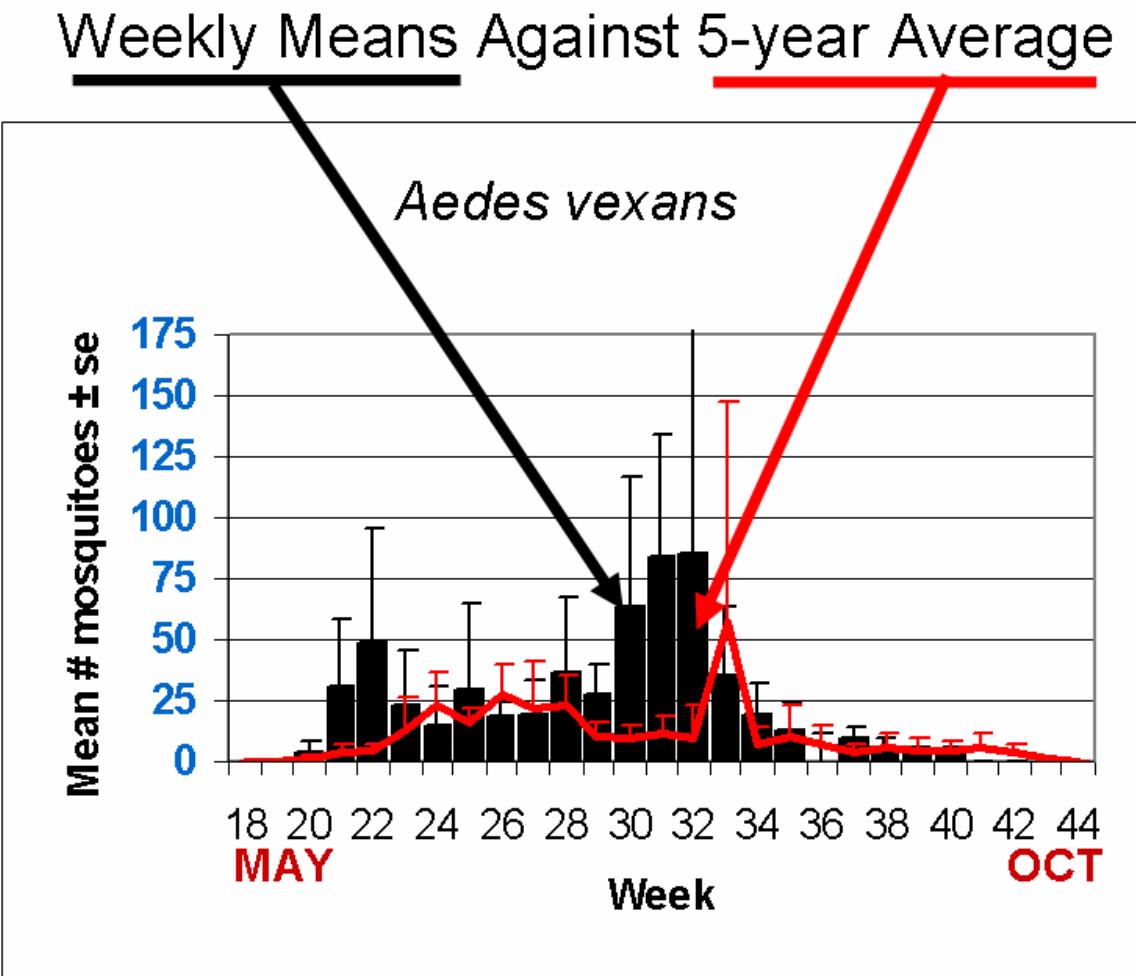
State Summary: With about half of the counties reporting (some do not begin light trap operations until after June 1st), most mosquito populations appear to be below historical trends. Only *Aedes sollicitans* in the New York Metro region during this current week showed higher population abundances than historical trends among the four pestiferous species. Some populations of *Culex* in the previous week were in greater abundance than historical trends. Other species, such as *Aedes cantator* (reported below) and other early season species were locally abundant.

Climate Deviations

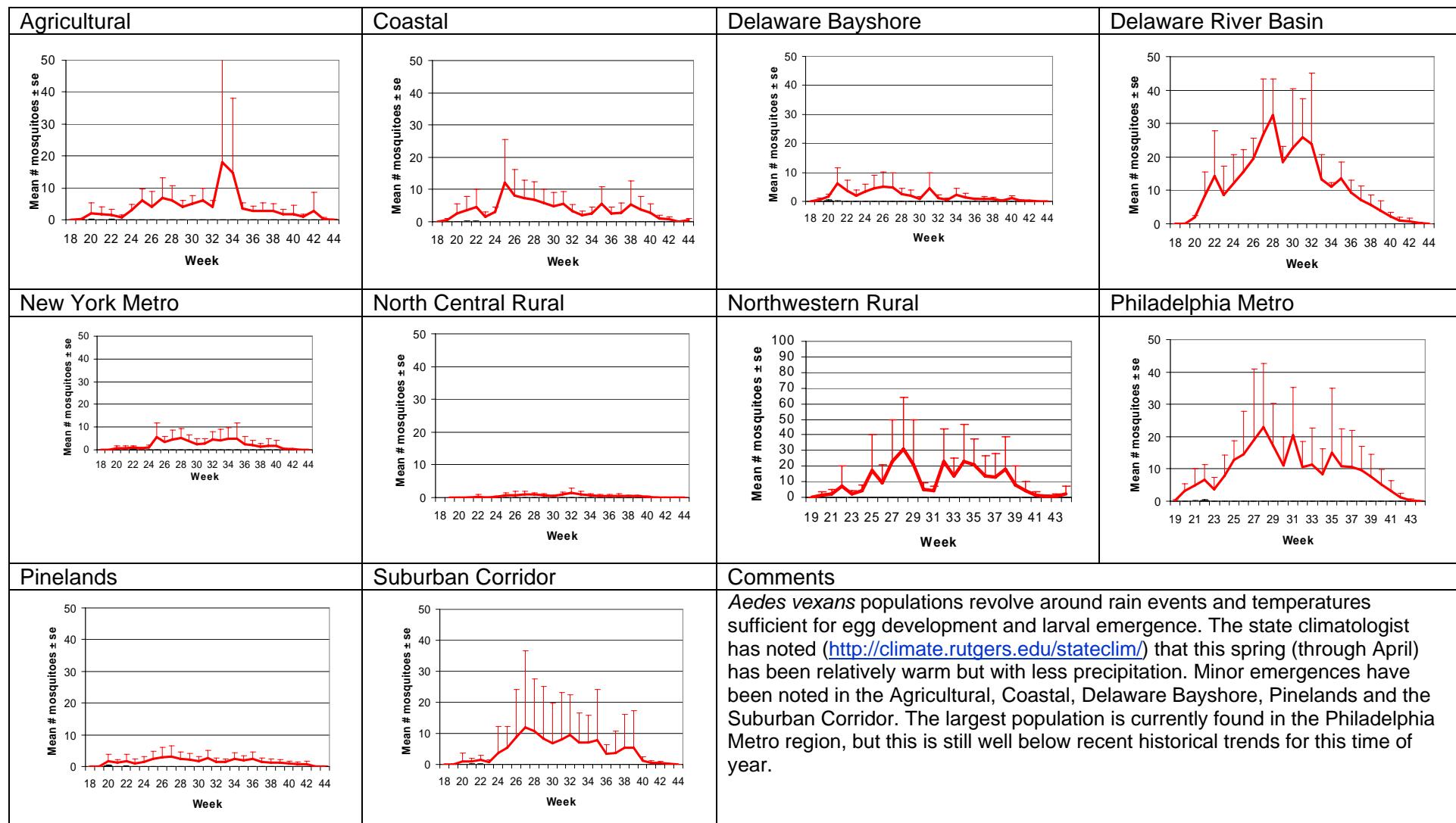


The figures show the average maximum temperature, minimum temperature and precipitation deviations from 30 year averages. Current data is from the Hillsborough NJ weather station (a station close to central NJ which recorded all three parameters and was available online at the NJ state climatologist) while historical data was from the New Brunswick weather station. Color bars above the zero line indicate warmer maximum or minimum temperatures and wetter conditions while white bars indicate cooler temperatures and dryer conditions.

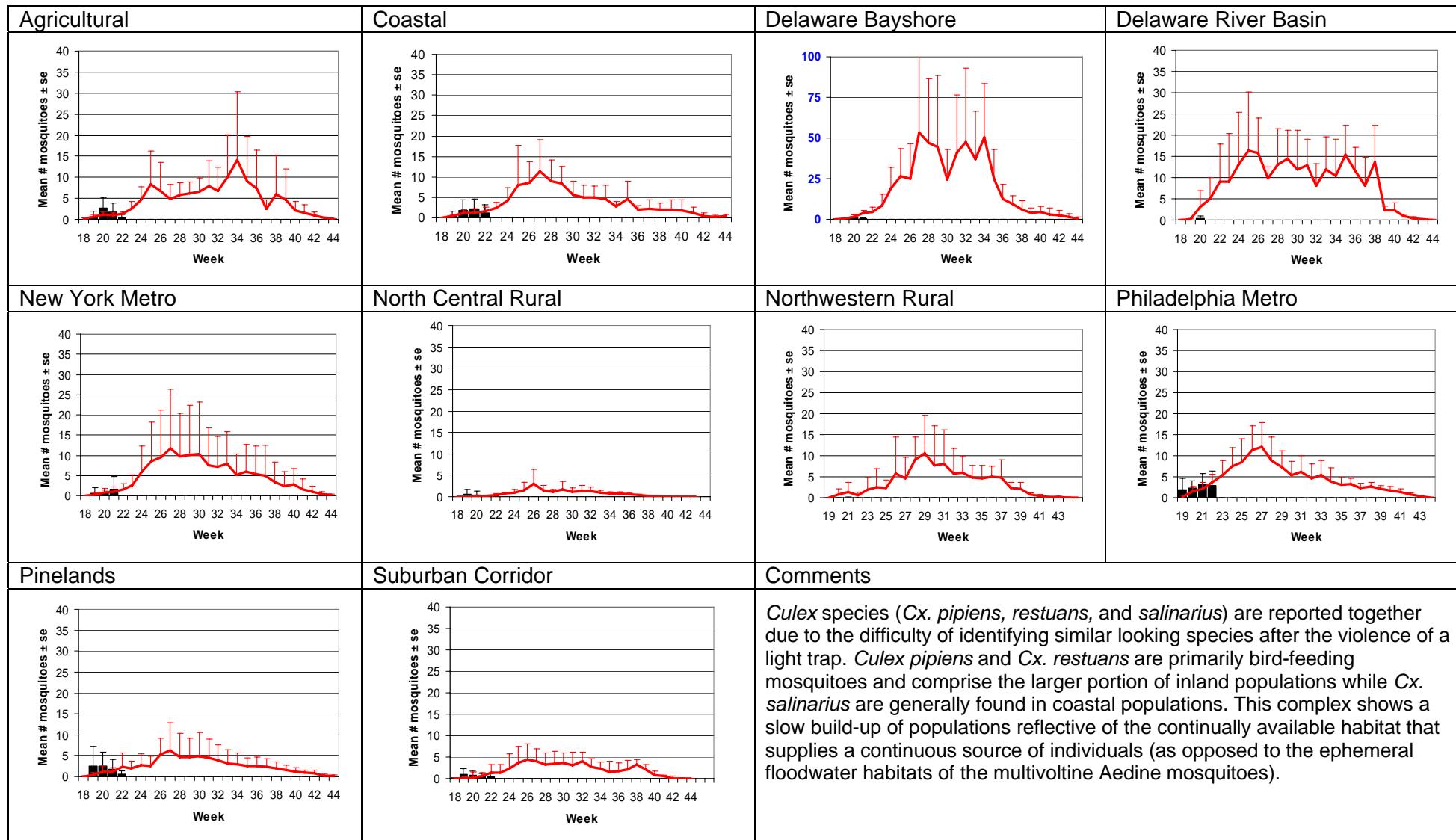
The Species Graphs: The species graph pages include a graph with two plots for each of the ten regions defined on the first page (Agricultural, Coastal, Delaware Bayshore, Delaware River, New York Metro, North-Central, Northwestern, Philadelphia Metro, Pinelands, and Suburban Corridor). Below is an example of one graph from one species within one region. The bar plot show the average number of mosquitoes per trap within the region (weekly means) and line plots show the historical trend as the average number of mosquitoes from the previous 5 years (5-year average). Data for Week 22 are from Atlantic, Bergen, Burlington, Camden, Cape May, Essex, Hudson, Mercer, Ocean, Salem, Somerset and Warren counties. Note: Some counties do not begin their light trap season until June.



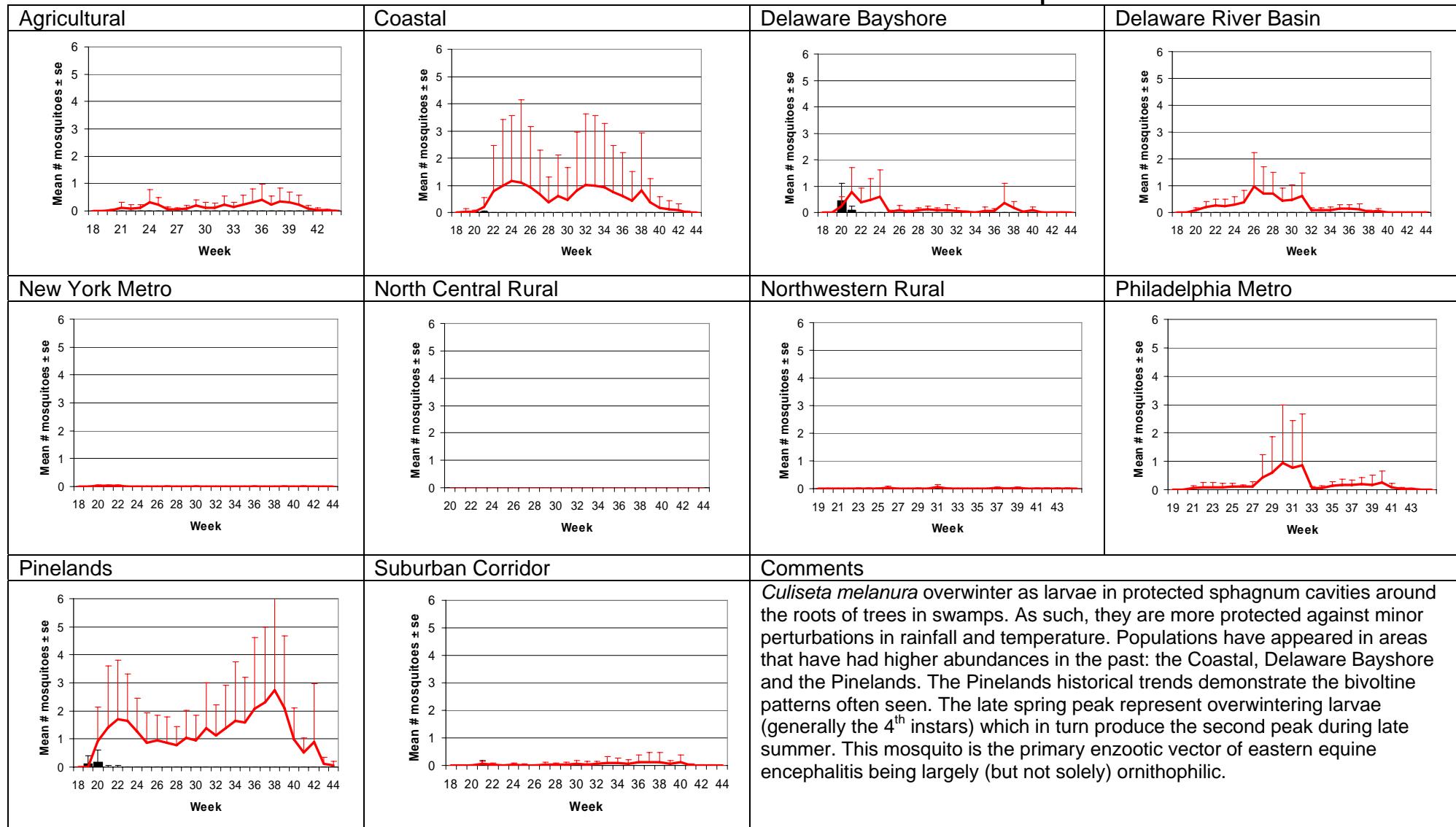
Aedes vexans - Fresh Floodwater Species (Ae. vexans Type)



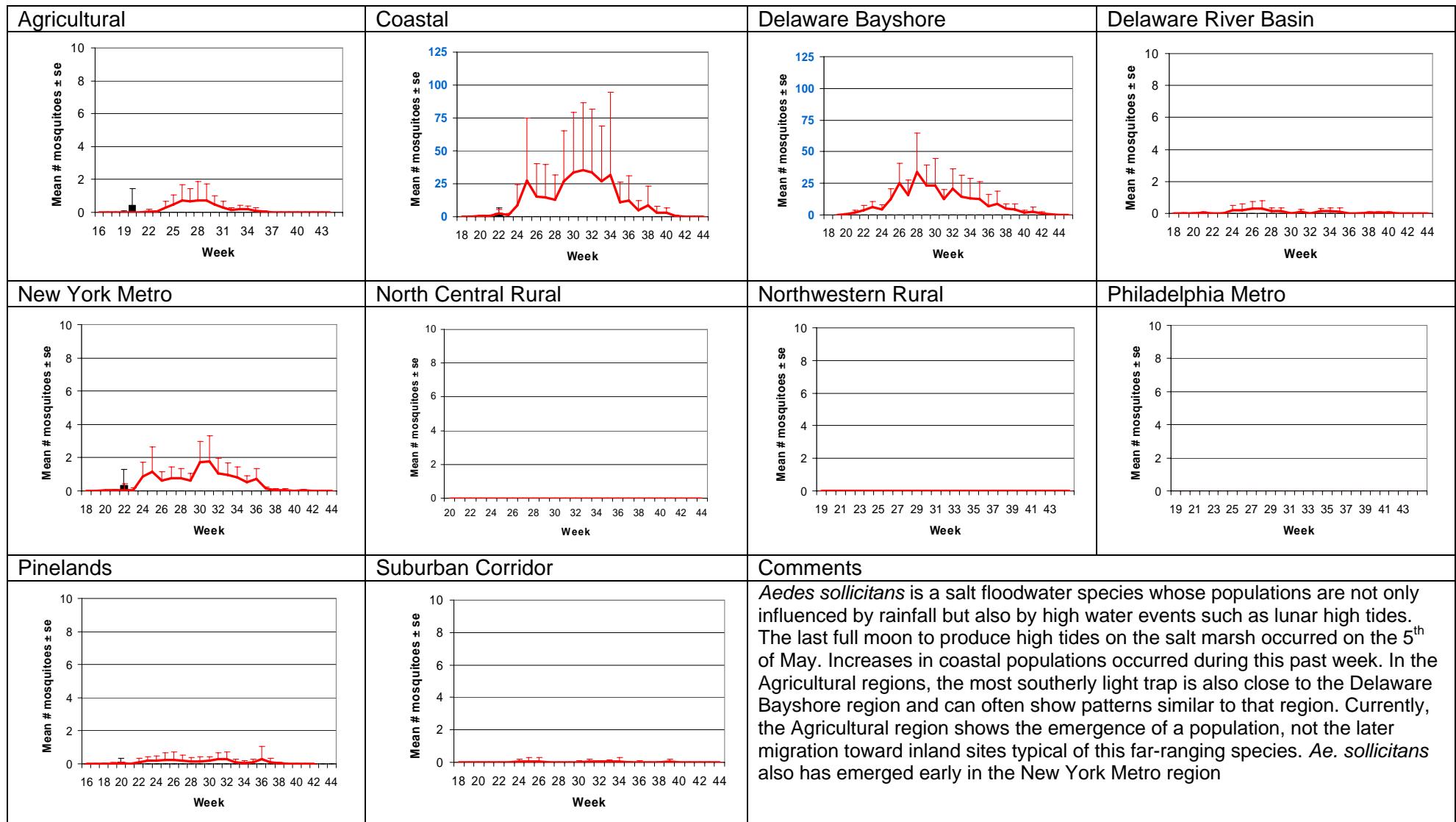
Culex Mix - Multivoltine Culex Species (*Cx. pipiens/Cx. salinarius* Type)



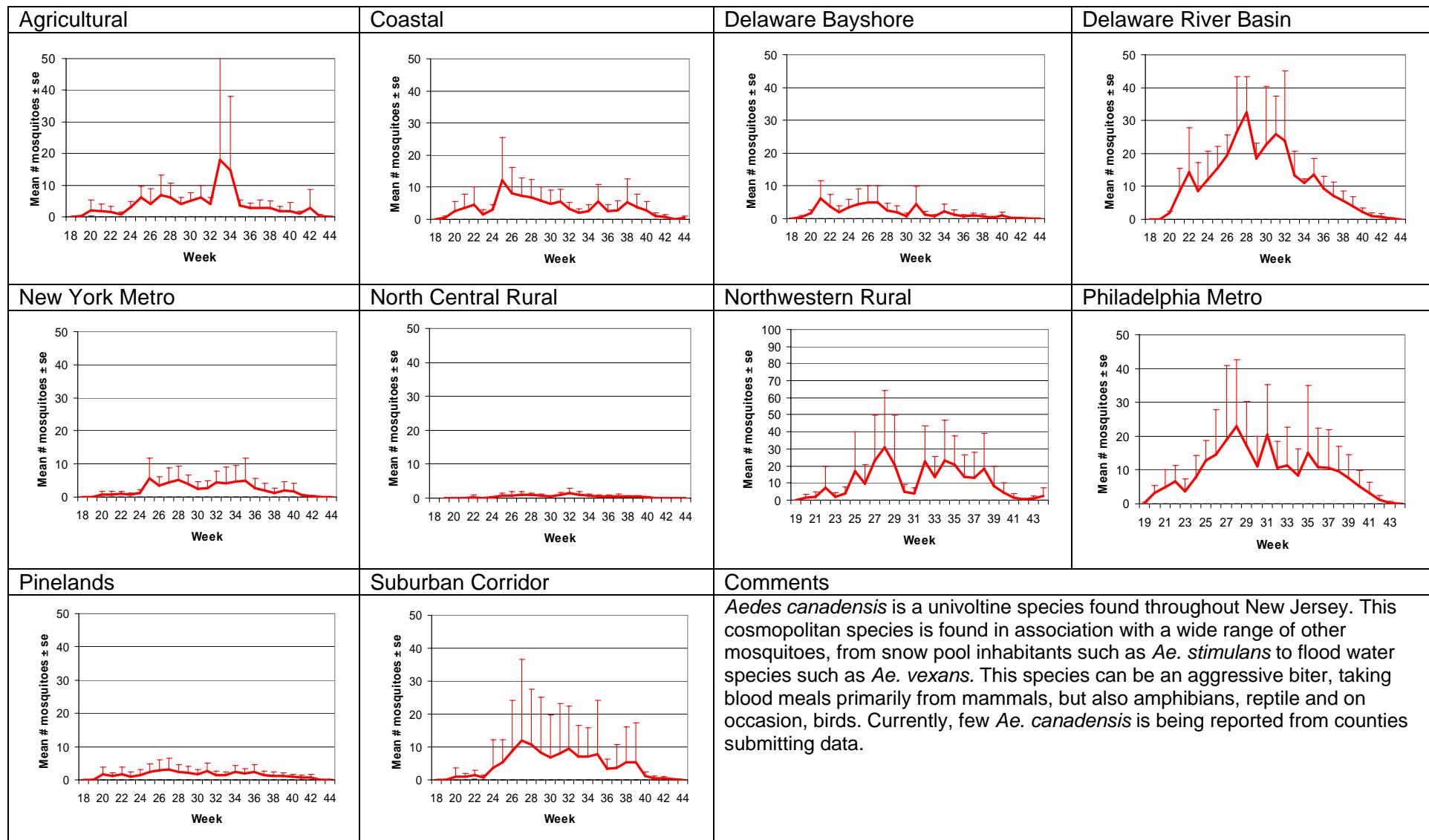
Culiseta melanura – Miscellaneous Group



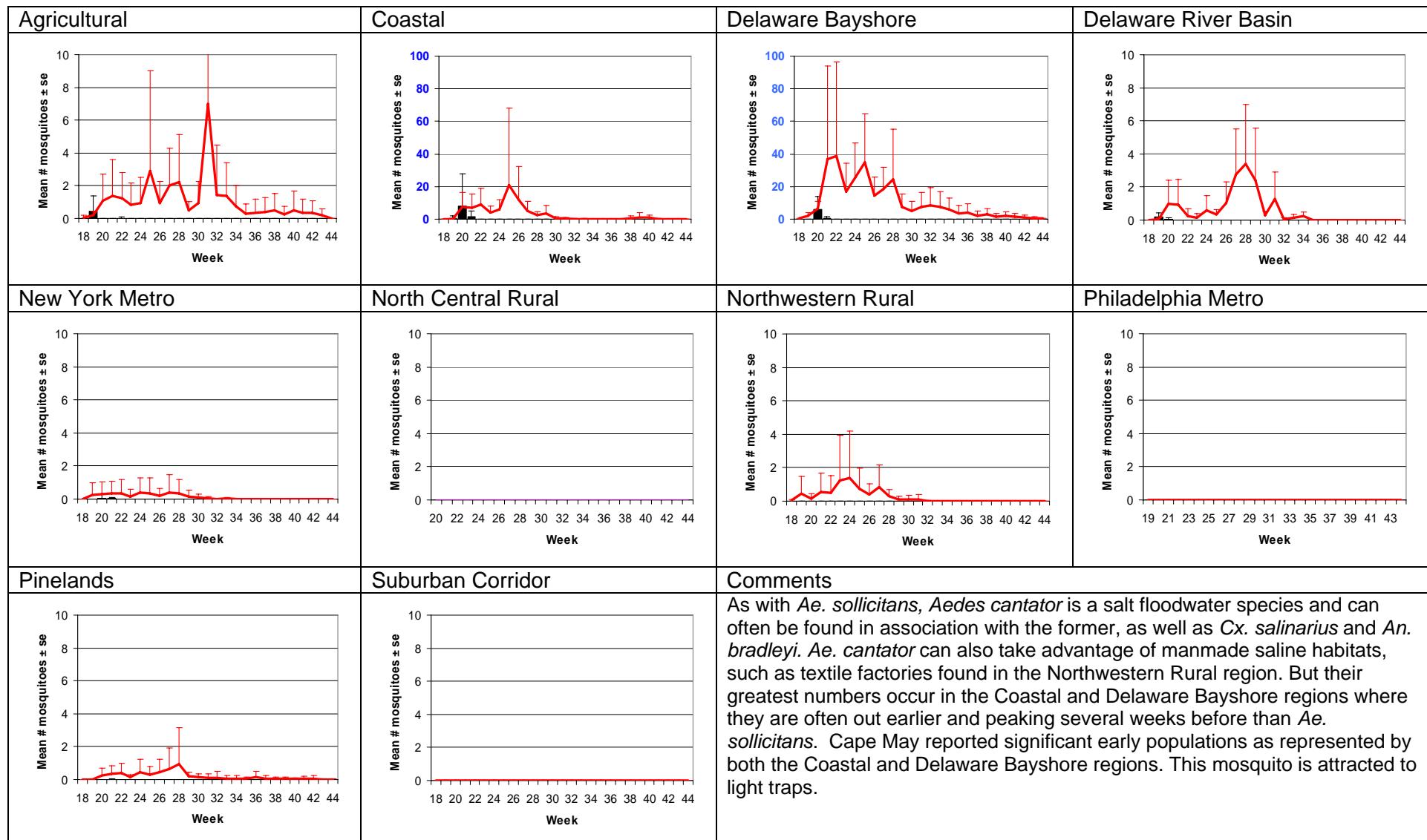
Aedes sollicitans – Multivoltine Aedine (*Ae. sollicitans* Type)



Aedes canadensis – Univoltine Aedine (Ae. canadensis type)



Aedes cantator – Multivoltine Aedine (*Ae. sollicitans* Type)



Aedes stimulans – Univoltine Aedine (Ae. *stimulans* Type)

