

NEW JERSEY STATEWIDE SURVEILLANCE

Week 25 Report for 16 June to 22 June, 2004

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Purpose: Data from 84 New Jersey light traps contributed by county mosquito control agencies are used to calculate trends in mosquito populations for species of nuisance or health concerns.

Calculations are based on regional distributions, with emphasis on mosquito habitat and land use. Trends will allow a statewide evaluation of changing mosquito populations, in response to control and/or changes in habitat.

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Figure 1a: Map of ten regions selected for the New Jersey Surveillance Program overlaid with county borders.

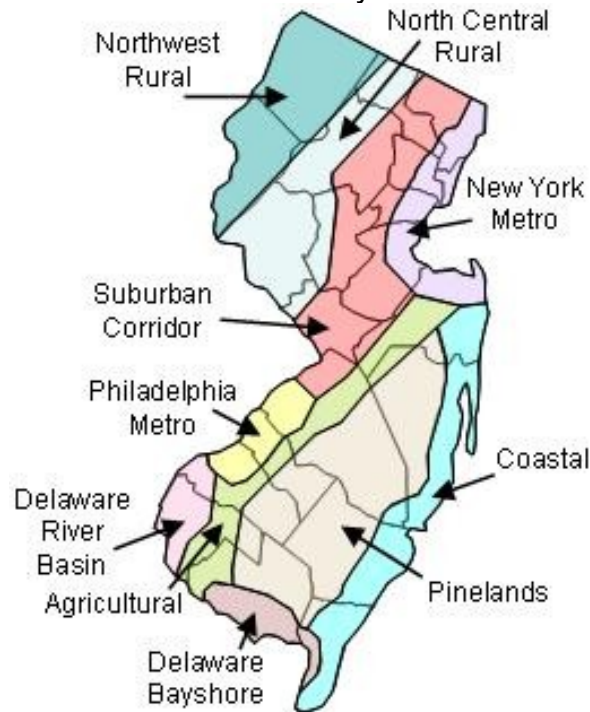


Figure 1b. Trap lat-long locations.



Summary table

	<i>Aedes vexans</i>		<i>Culex complex</i>		<i>Coquillettidia perturbans</i>		<i>Ochlerotatus sollicitans</i>	
Region	This Week	Average*	This Week	Average*	This Week	Average*	This Week	Average*
Agricultural	7.67	8.88	5.64	24.94	0.60	0.30	0.24	0.45
Coastal	0.08	6.63	2.38	6.96	0.10	0.41	39.22	10.97
Delaware Bayshore	0.17	7.76	12.07	71.51	0.12	2.62	33.17	21.26
Delaware River Basin	3.14	16.13	5.18	10.42	0.14	0.00	0	0.26
New York Metro	0.96	4.80	4.49	9.39	0.01	0.11	0.53	0.96
North Central Rural	1.63	0.90	0.43	1.93	0.18	0.02	0	0
Northwest Rural	3.62	4.24	0.81	2.69	3..07	0.09	0	0
Philadelphia Metro	1.69	8.48	2.69	4.74	1.55	0.08	0	0
Pinelands	0.23	2.63	0.90	2.74	3.08	0.35	0.05	0.10
Suburban Corridor	0. 97	18.33	0.65	5.74	2.91	1.25	0	0.26

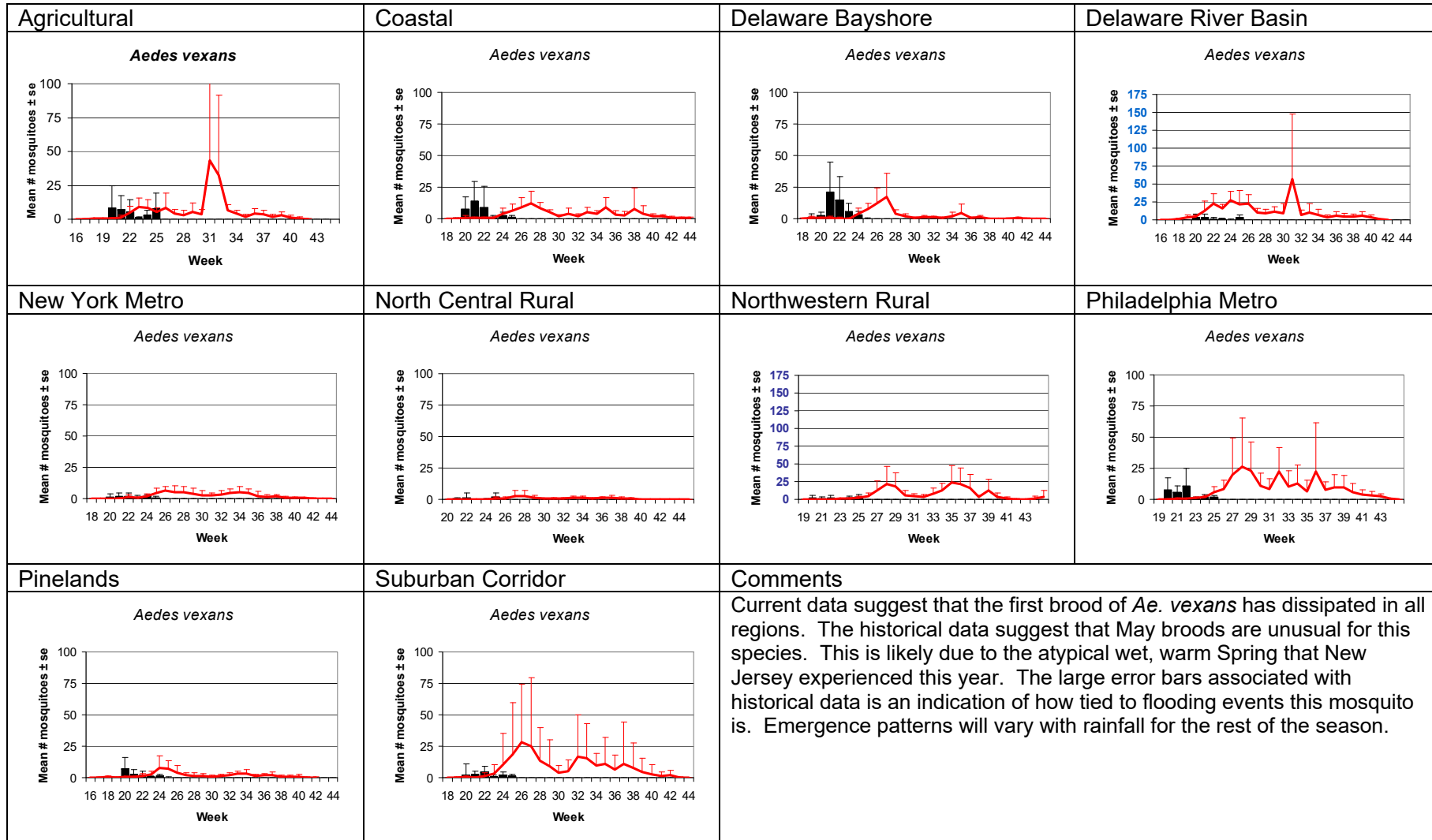
- Complete data not yet available.

Please Note: Historical data is being entered and not yet complete. These values and graphics will change as more data is entered.

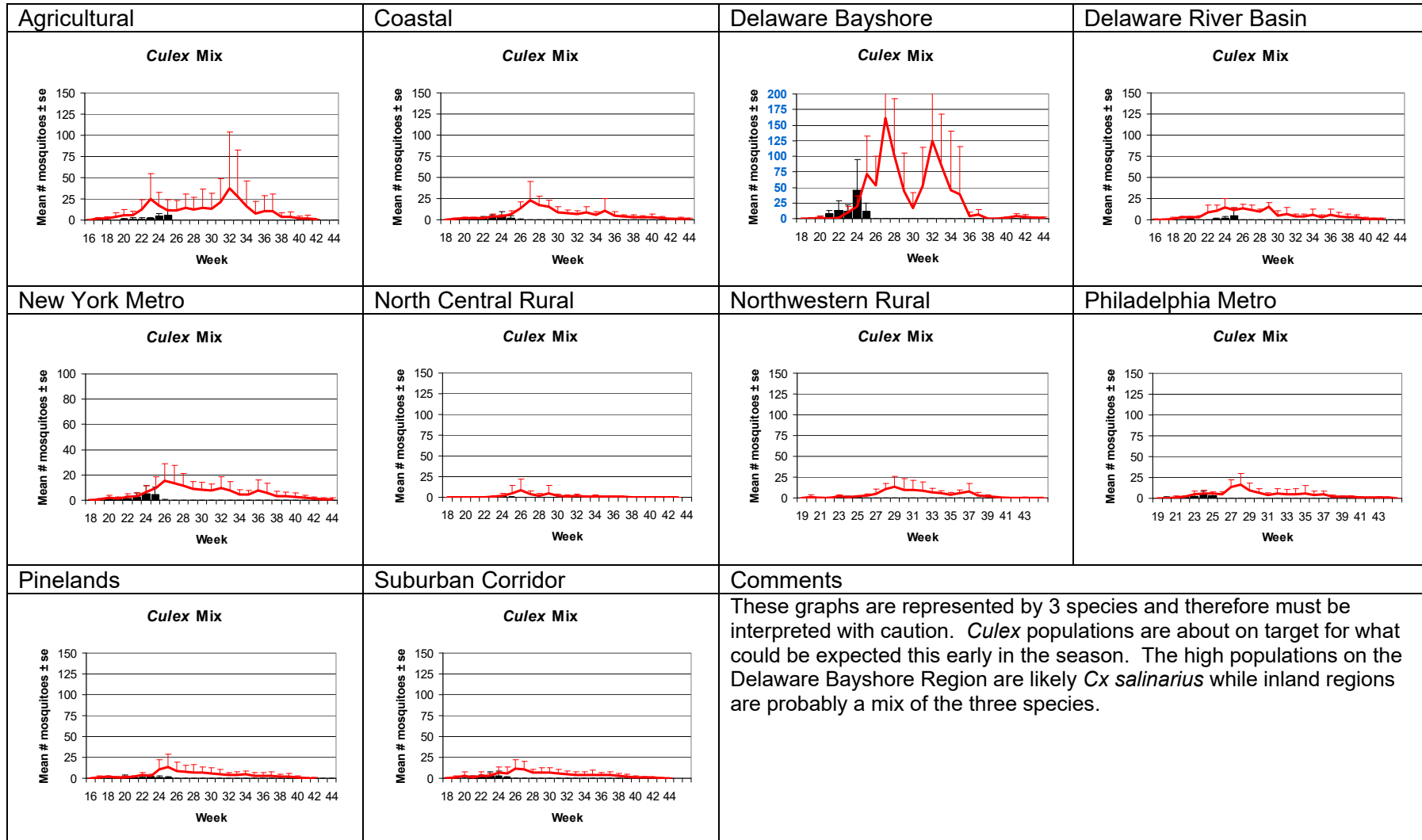
Additional Species, including *Cs. melanura*, *Anopheles punctipennis*, and *Ochlerotatus japonicus*.

15 Counties reporting.

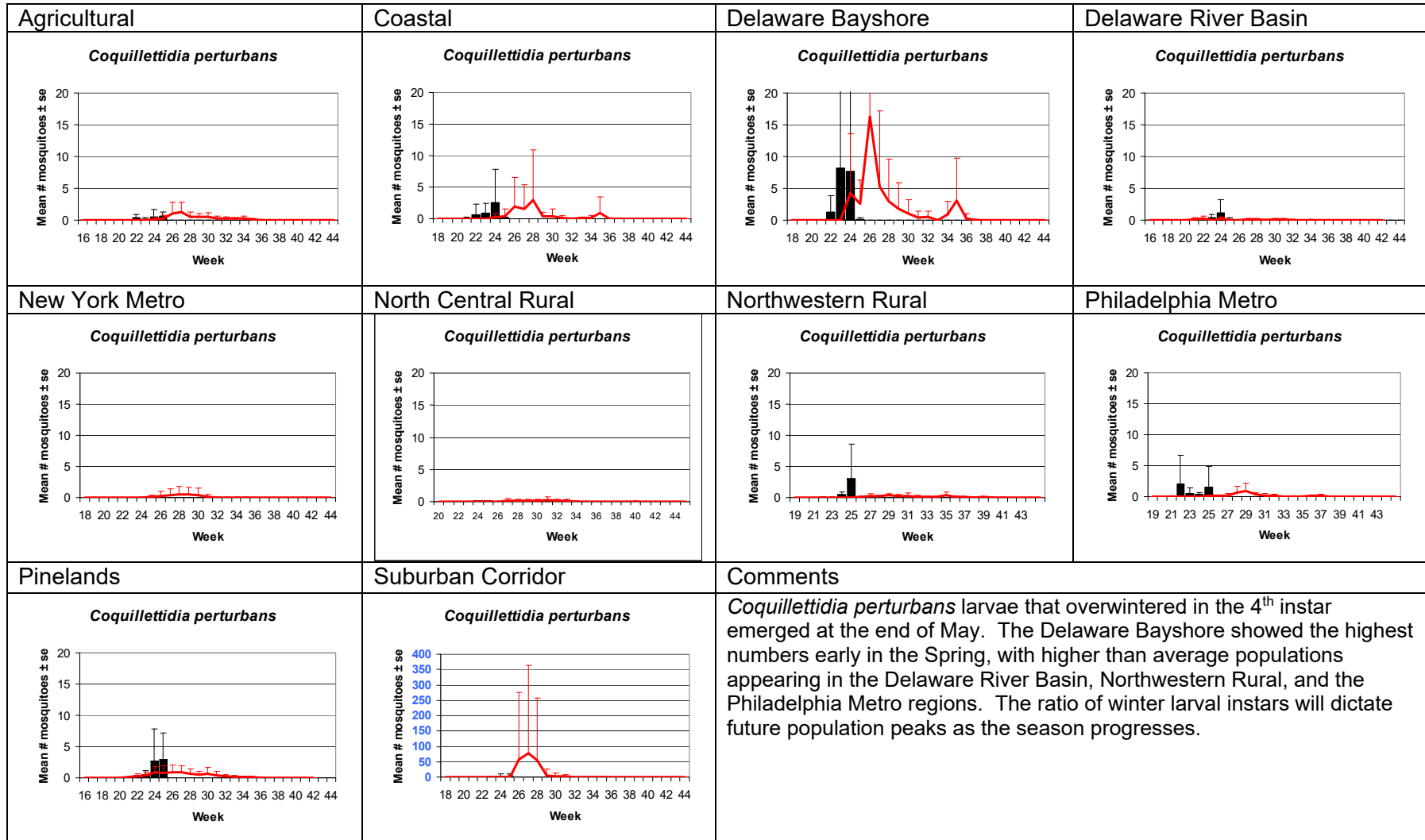
Aedes vexans - Fresh Floodwater Species



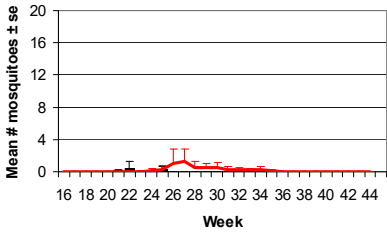
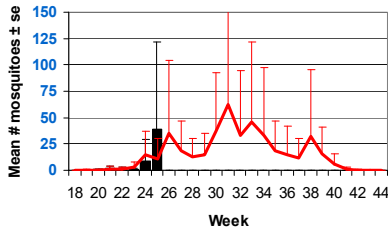
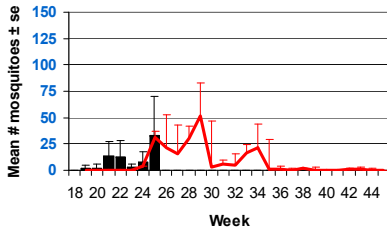
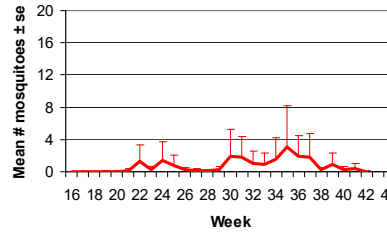
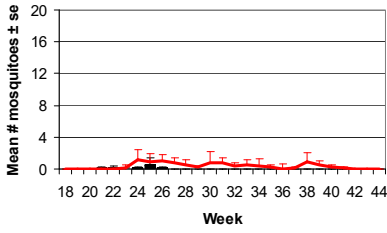
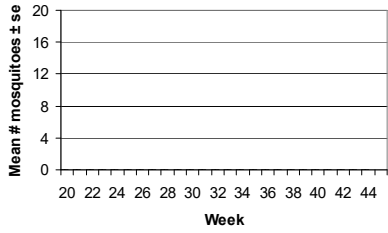
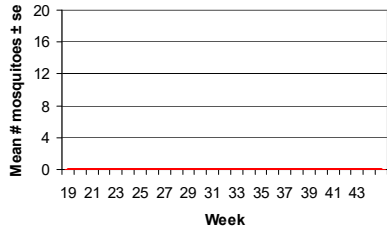
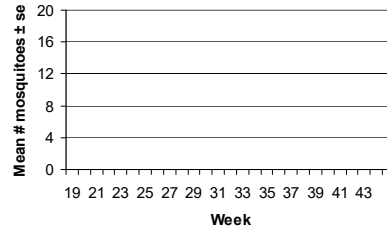
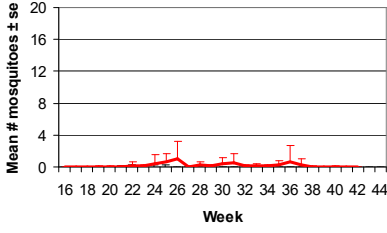
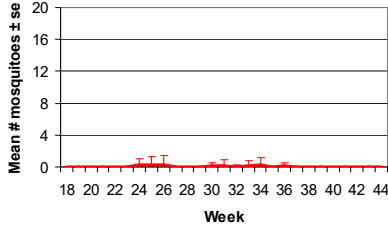
Culex Complex - Multivoltine Culex Species



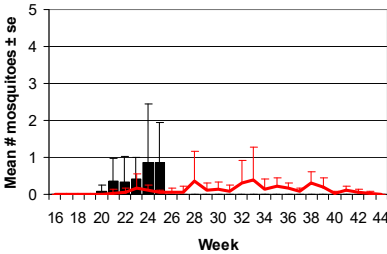
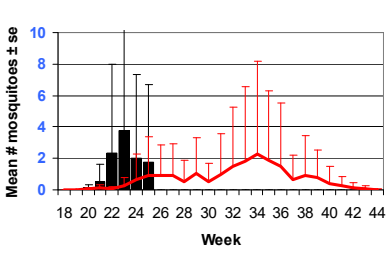
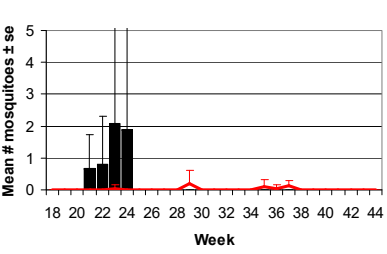
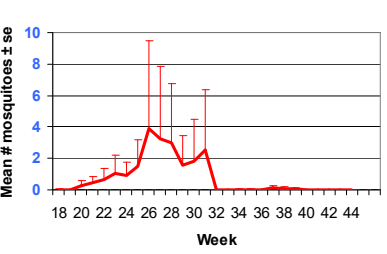
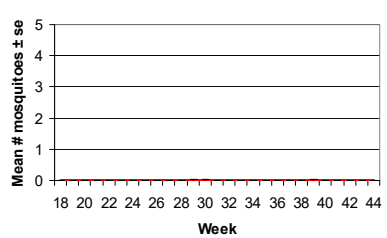
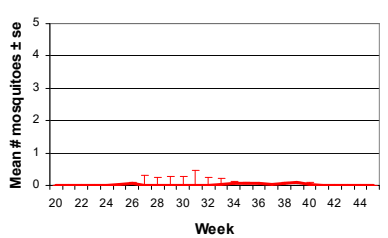
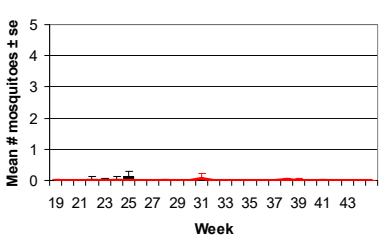
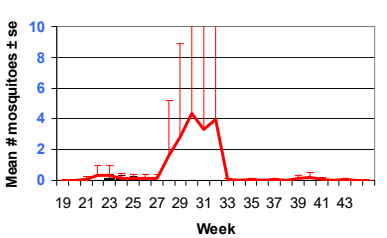
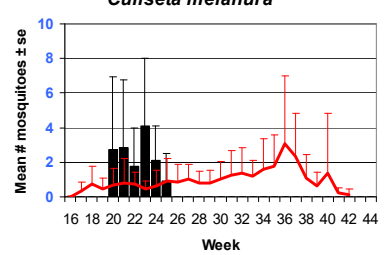
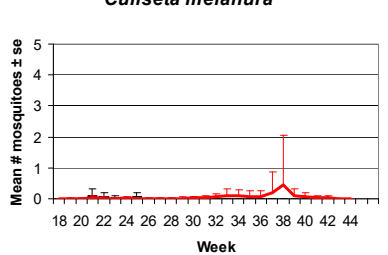
Coquillettidia perturbans - Unique Life Cycle



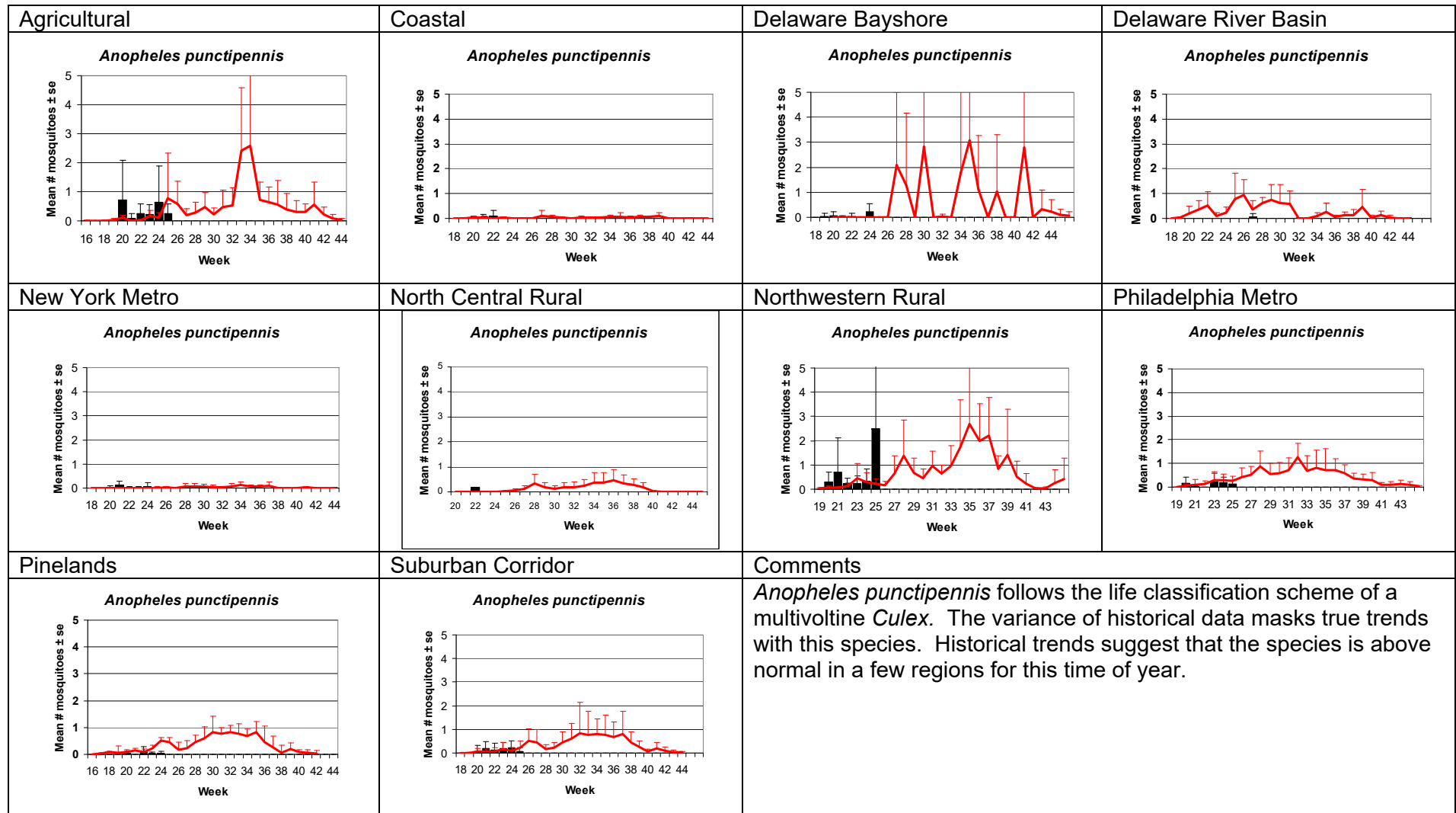
Ochlerotatus sollicitans - Salt Marsh Floodwater Species

Agricultural	Coastal	Delaware Bayshore	Delaware River Basin
<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 
New York Metro	North Central Rural	Northwestern Rural	Philadelphia Metro
<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 
Pinelands	Suburban Corridor	Comments	
<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	The first brood of <i>Ochlerotatus sollicitans</i> in May and early June in coastal areas of New Jersey. Population levels appear to be about what is expected, as compared with historical data trends, and generated nuisance calls in some areas.	

Culiseta melanura - Miscellaneous Group

Agricultural <i>Culiseta melanura</i> 	Coastal <i>Culiseta melanura</i> 	Delaware Bayshore <i>Culiseta melanura</i> 	Delaware River Basin <i>Culiseta melanura</i> 
New York Metro <i>Culiseta melanura</i> 	North Central Rural <i>Culiseta melanura</i> 	Northwestern Rural <i>Culiseta melanura</i> 	Philadelphia Metro <i>Culiseta melanura</i> 
Pinelands <i>Culiseta melanura</i> 	Suburban Corridor <i>Culiseta melanura</i> 	Comments Population levels of <i>Culiseta melanura</i> are well above the historical average throughout most of Southern New Jersey (Agricultural, Coastal, Delaware Bayshore, and Pinelands regions). Emergence in the Philadelphia region might be expected to occur within the two weeks. This species is surprisingly absent in light trap collections from the Delaware River Basin region.	

Anopheles punctipennis - Multivoltine Culex and Anopheline Species: Culex Type



Ochlerotatus japonicus – Multivoltine Aedine

