

NEW JERSEY STATEWIDE SURVEILLANCE

Week 33 Report for 10 August to 16 August, 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.

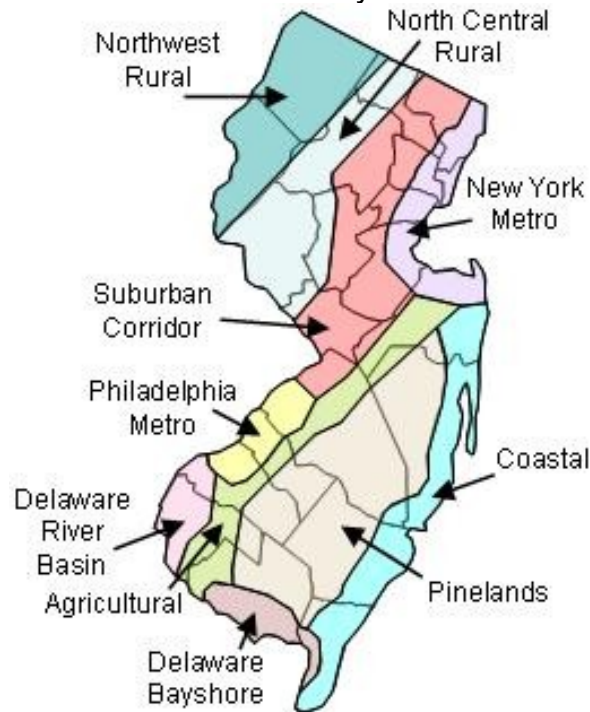


Figure 1b. Trap lat-long locations.



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	4.55	43.43	5.62	21.18	0.31	0.19	0.52	2.56
Coastal	1.92	4.88	1.16	8.55	0.17	0.12	22.87	45.68
Delaware Bayshore	0.69	0.57	11.95	85.60	0	0.02	4.93	21.26
Delaware River Basin	26.57	56.43	31.00	6.49	0.57	0.15	0	1.79
New York Metro	5.57	4.25	7.64	7.87	0	0.06	0.16	0.52
North Central Rural	1.49	1.15	0.96	1.92	0	0.04	0	0
Northwest Rural	12.81	12.18	5.81	5.37	0	0.14	0	0
Philadelphia Metro	20.34	13.01	8.38	5.19	0.31	0.04	0	0
Pinelands	2.92	1.35	1.96	4.88	0.23	0.40	0.21	0.57
Suburban Corridor	4.71	15.32	2.15	4.22	0.58	0.62	0	0.16

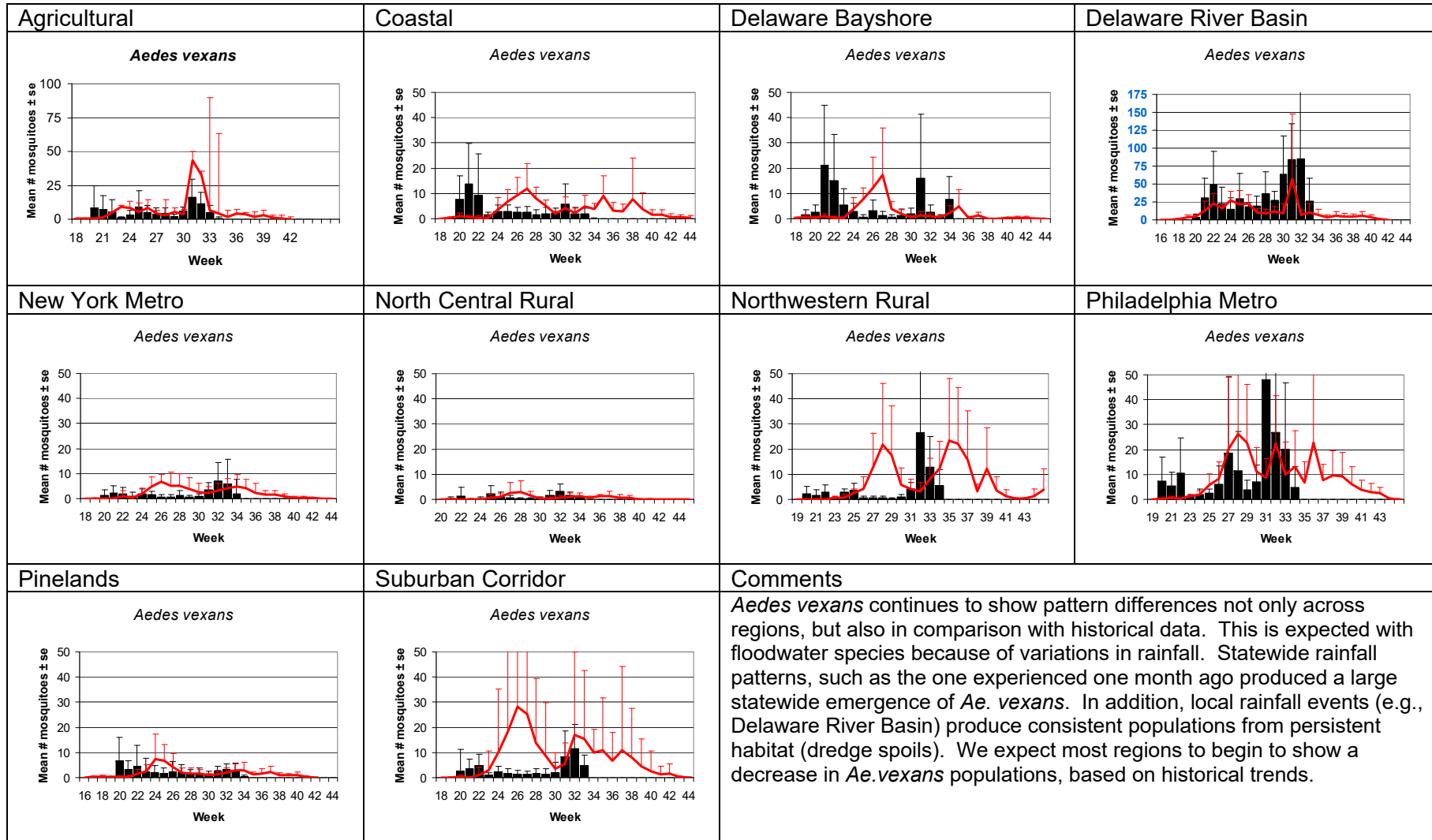
- Complete data not yet available.

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

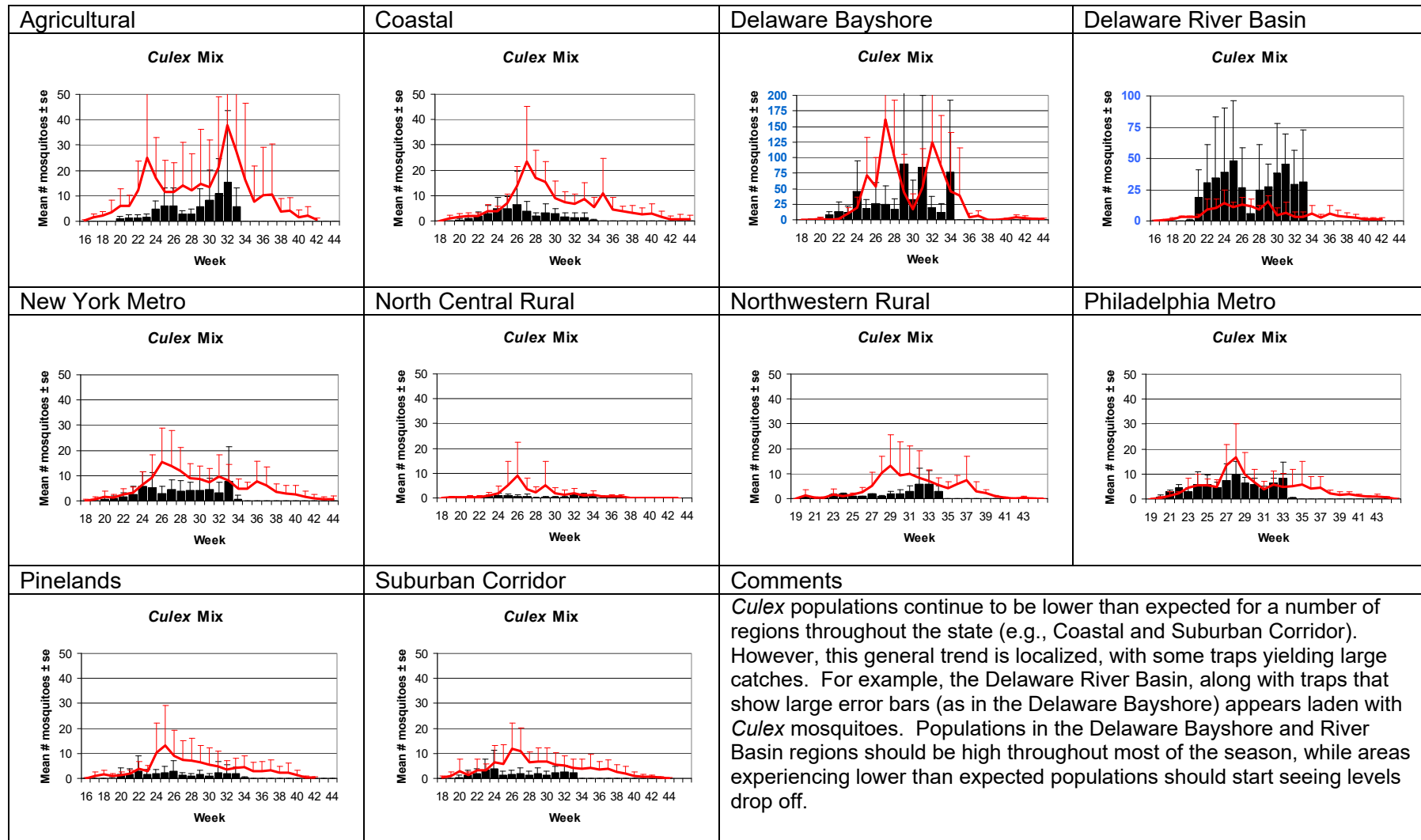
Additional Species, including *Cs. melanura*.

Note: 17 out of 21 counties are included in this week's analysis.

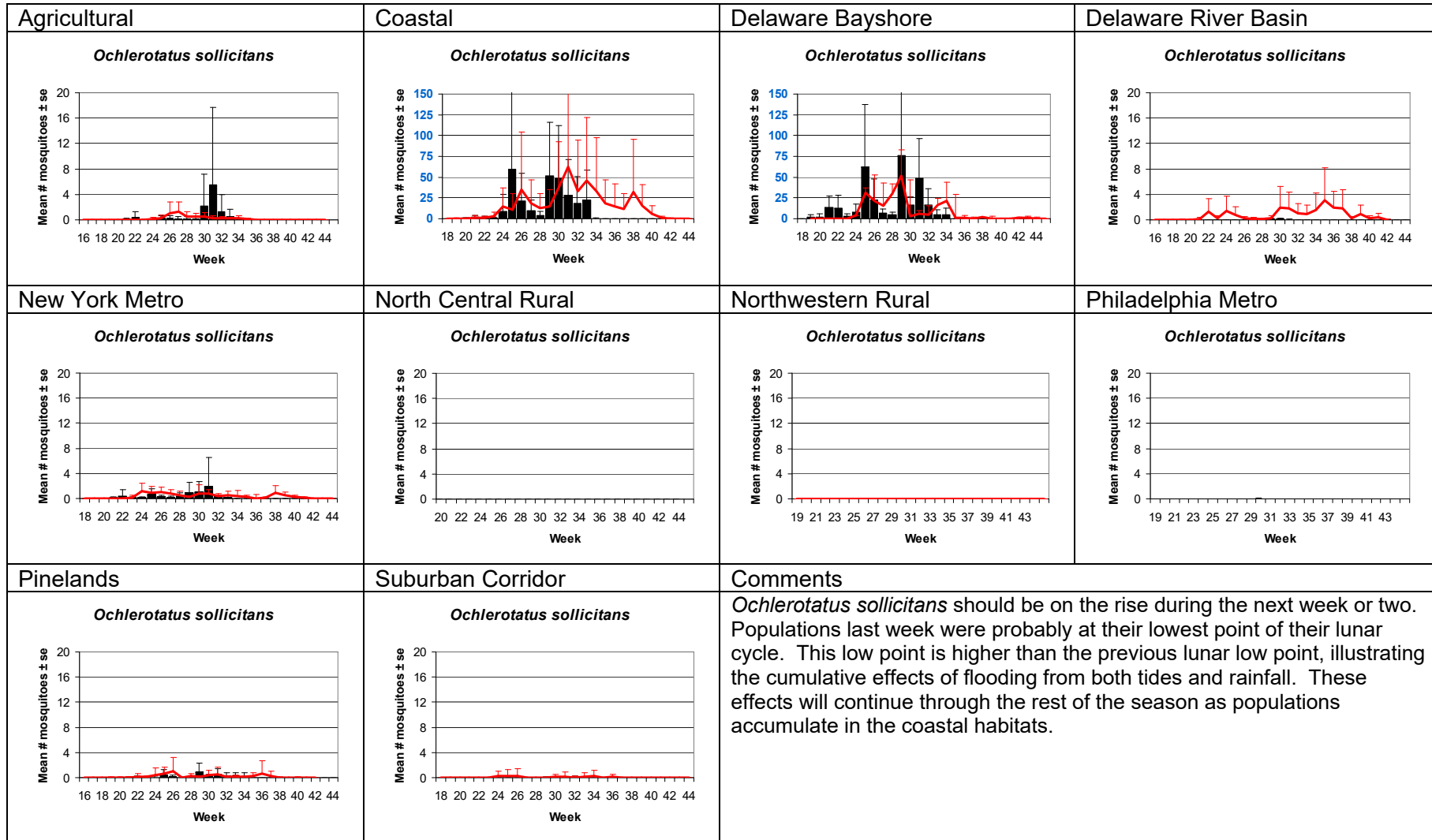
Aedes vexans - Fresh Floodwater Species



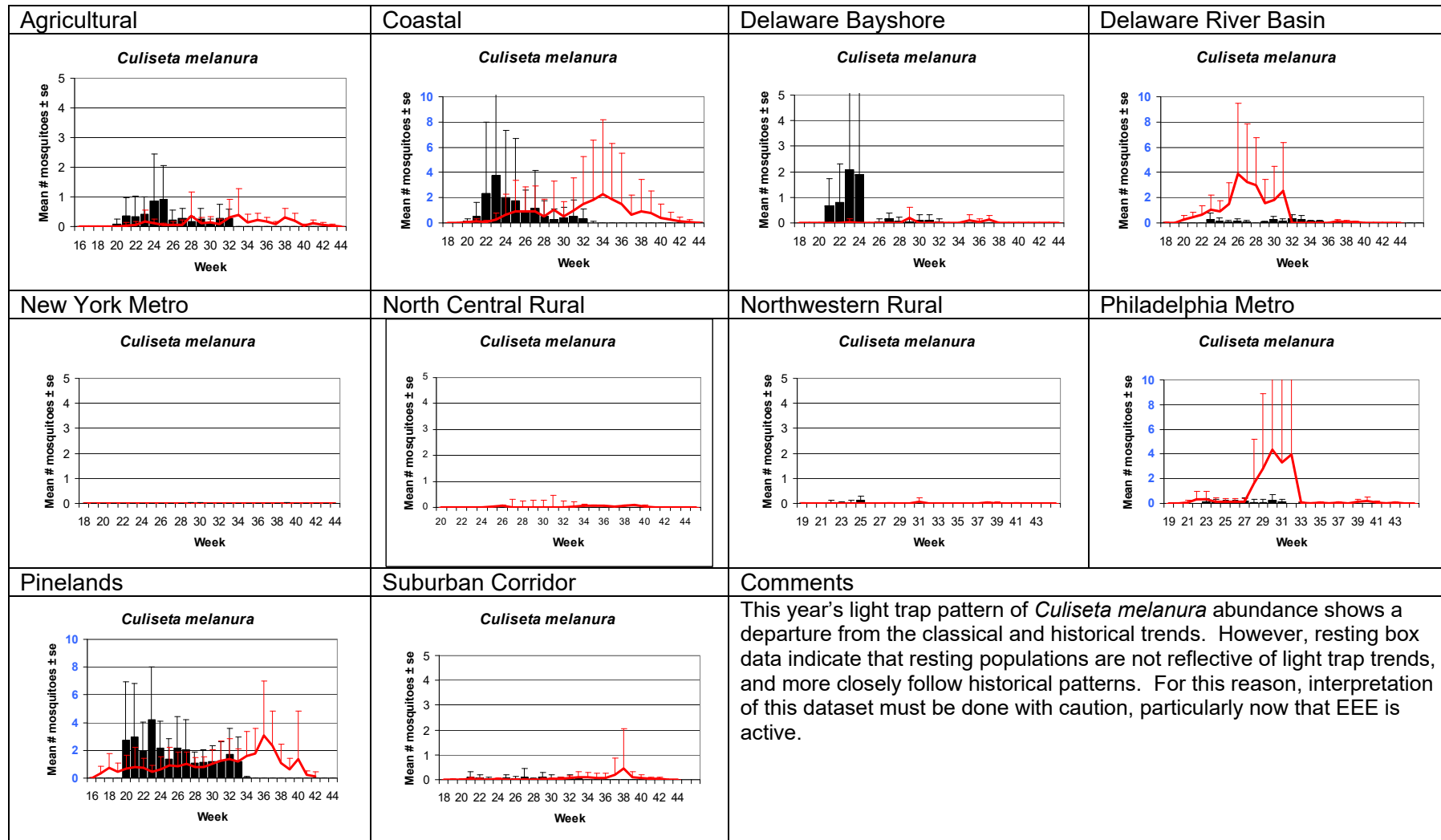
Culex Complex - Multivoltine Culex Species



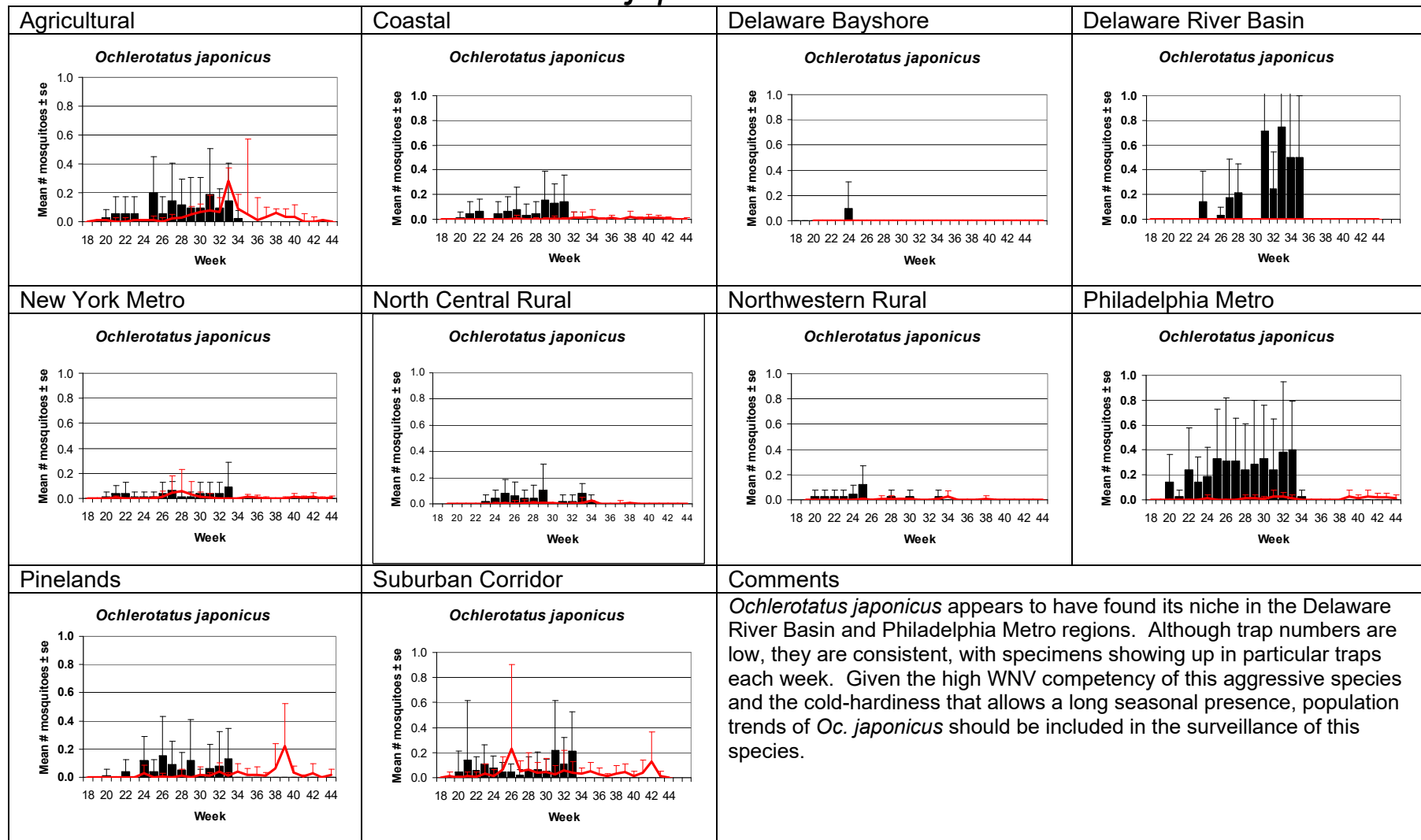
Ochlerotatus sollicitans - Salt Marsh Floodwater Species



Culiseta melanura - Miscellaneous Group



Ochlerotatus japonicus – Multivoltine Aedine



Seven species in the Agricultural Region are depicted, given recent EEE developments: All species below are known mammalian feeders, however, the *Ochlerotatus* species also bite birds. All seven species have a substantial presence in agricultural habitats. Anopheline species are expected to build in number in coming weeks as summer progresses while both *Ochlerotatus* species may re-appear in early September. *Psorophora ferox* has made it's presence known along with the other large *Psorophora*, significant as their presence indicate nearby standing water, usually the result of recent rainfall. *Ps. ferox* is also a vector of West Nile.

