

NEW JERSEY STATEWIDE SURVEILLANCE

Week 32 Report for 3 August to 7 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.

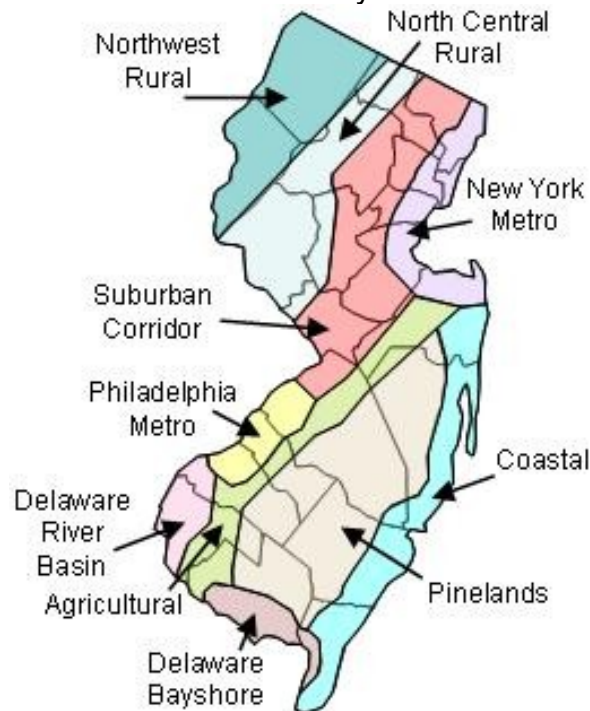


Figure 1b. Trap lat-long locations.



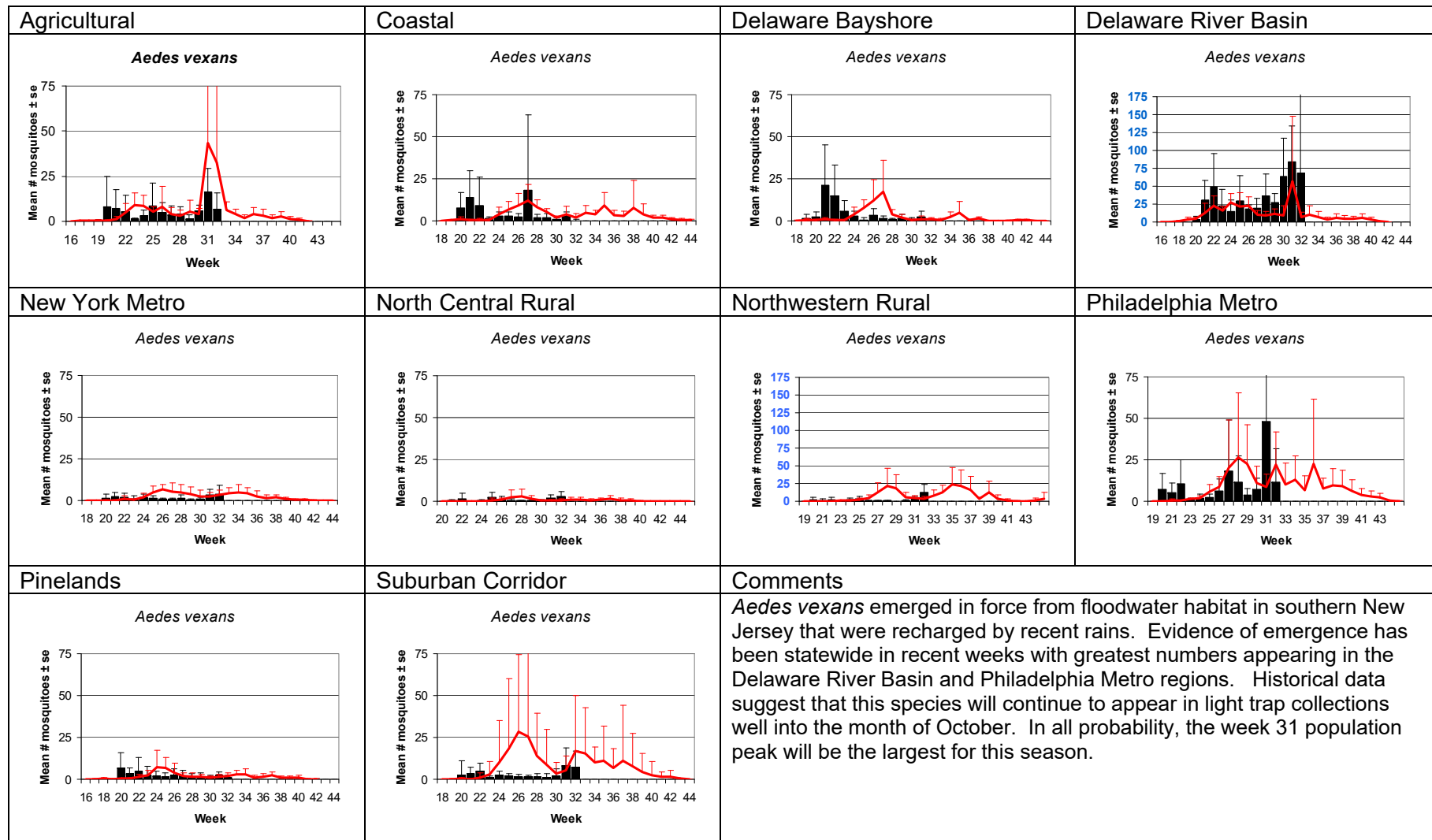
Summary table

	<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	6.95	3.91	11.93	13.44	0.14	0.21	5.57	0.79
Coastal	0.63	2.09	0.17	6.88	0	0.04	13.70	13.15
Delaware Bayshore	0	1.05	13.12	125.14	0	0.57	42.36	17.00
Delaware River Basin	68.11	9.21	6.39	4.85	3.14	0.10	0.04	1.95
New York Metro	3.75	3.36	1.23	9.55	0.05	0.05	0.16	0.38
North Central Rural	3.08	1.06	0.65	1.38	0	0.11	0	0
Northwest Rural	12.33	8.02	1.10	6.96	0.02	0.14	0	0
Philadelphia Metro	11.46	10.02	0.21	4.77	0	0.00	0	0
Pinelands	0.75	0.81	0.12	5.43	0.18	0.62	0.14	0.42
Suburban Corridor	7.36	16.95	0.00	4.99	0.45	0.34	0.02	0.06

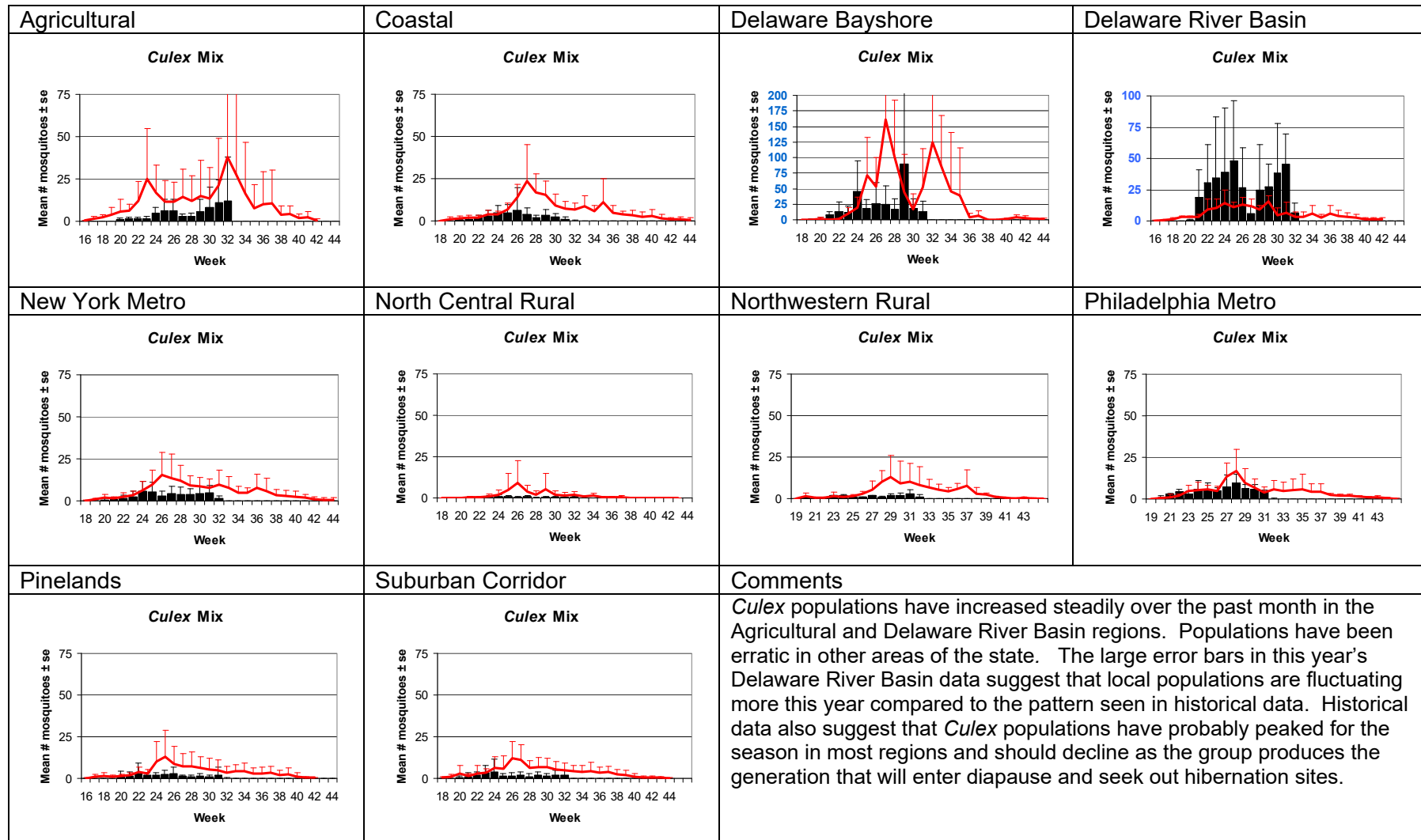
Additional Species, including *Cs. melanura*, *Oc. japonicus*, and *Psorophora* species.

Note: 12 out of 21 counties reporting (data requested early due to L. Reed being out of the state)

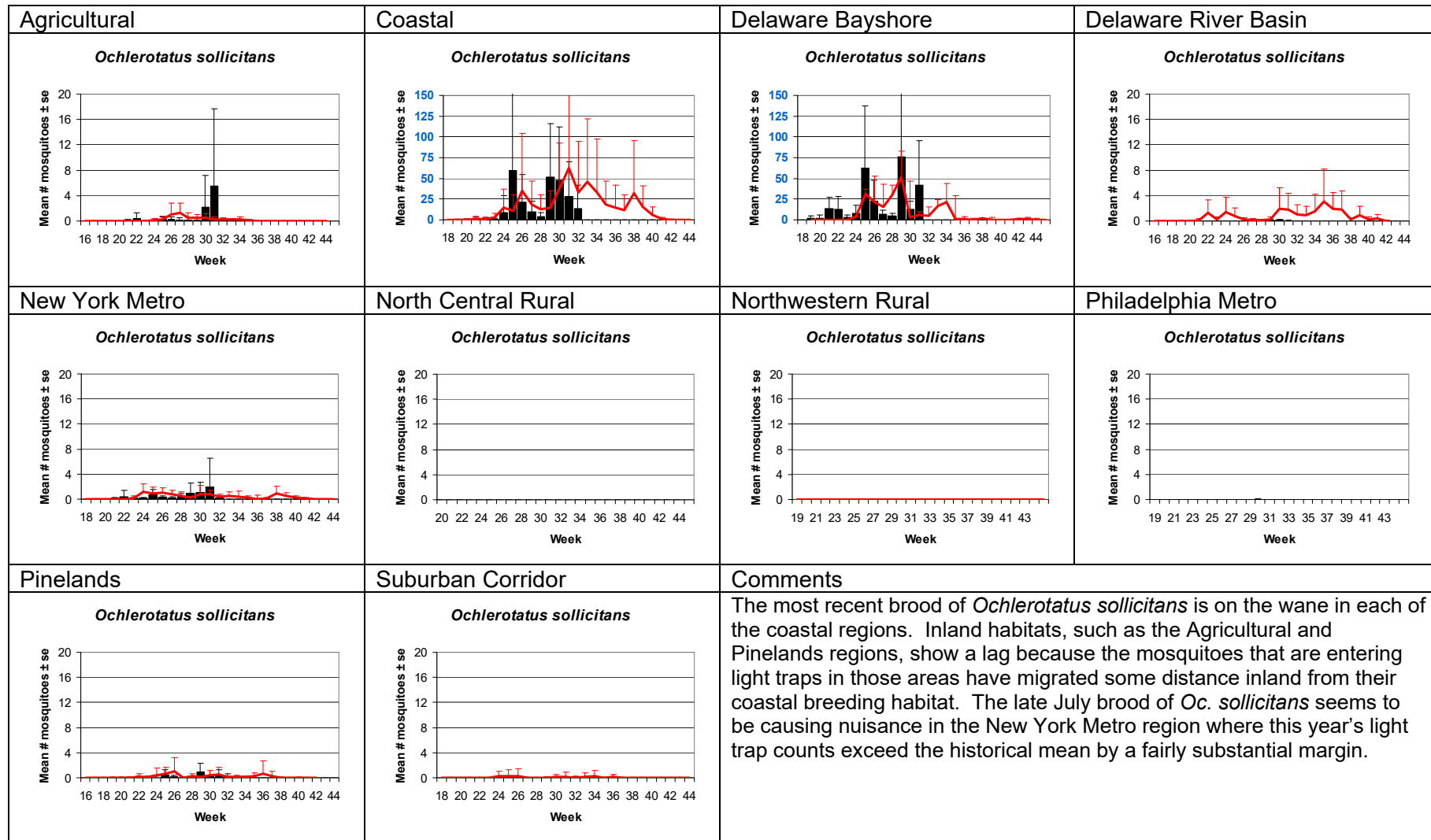
Aedes vexans - Fresh Floodwater Species



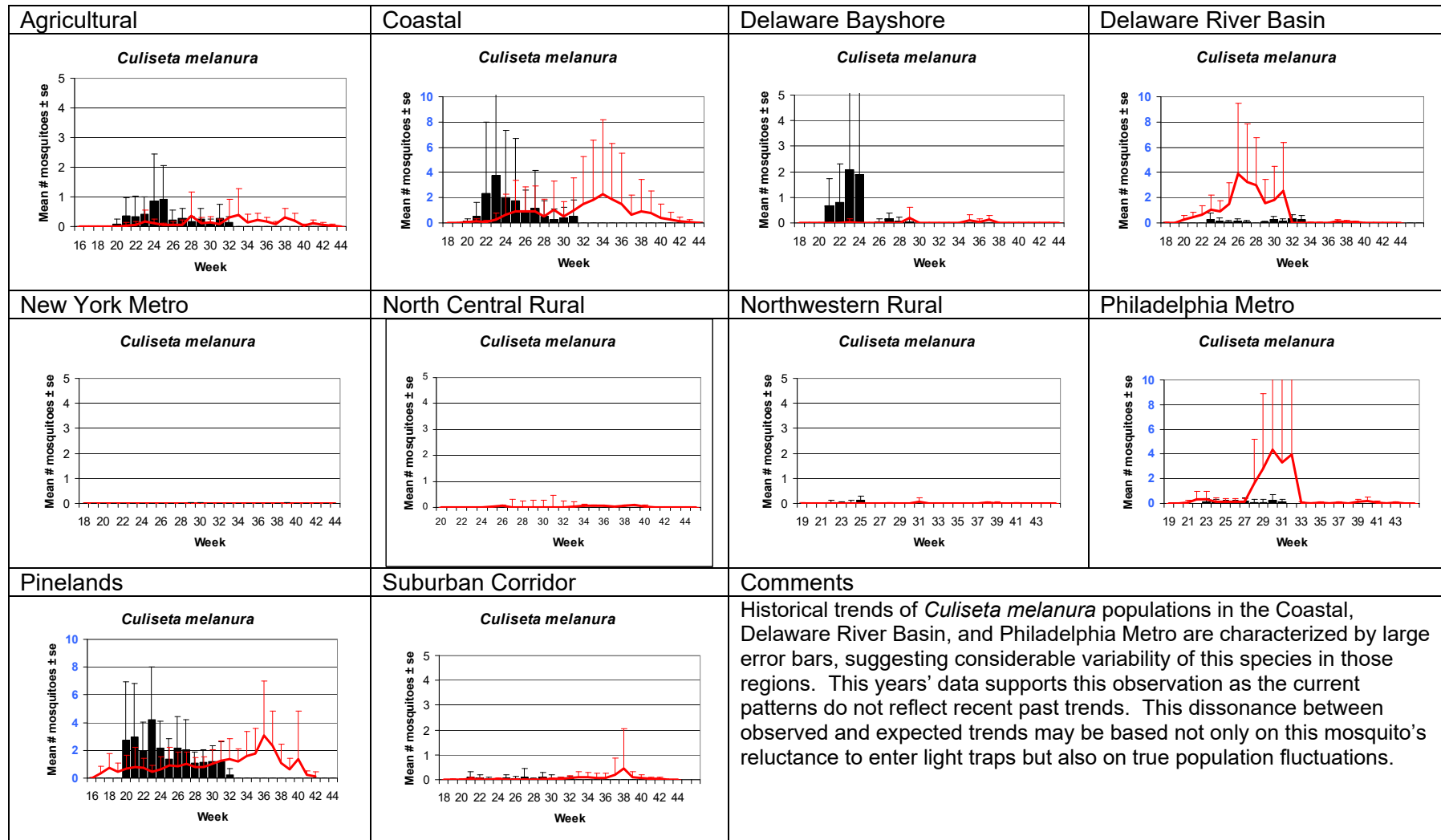
Culex Complex - Multivoltine Culex Species



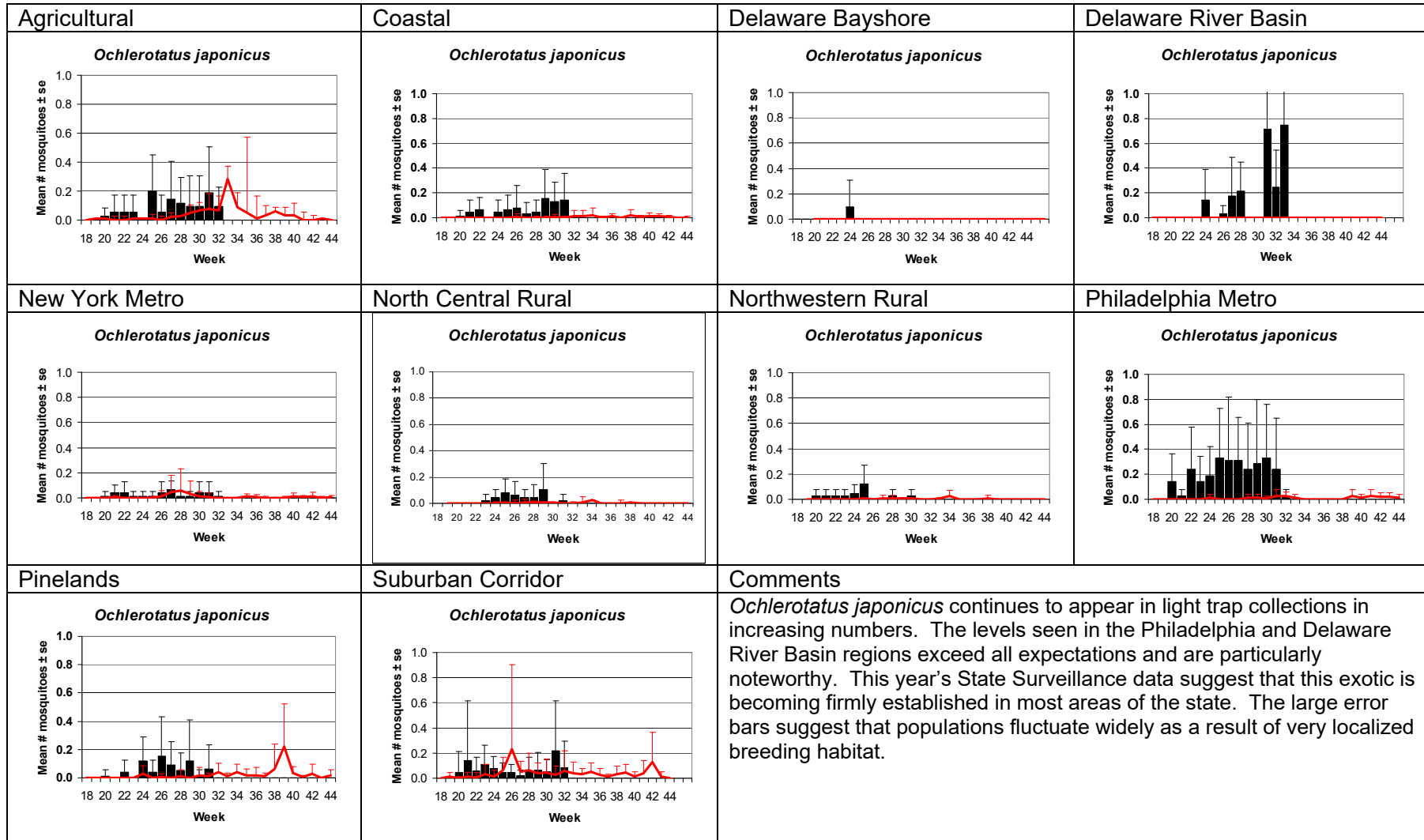
Ochlerotatus sollicitans - Salt Marsh Floodwater Species



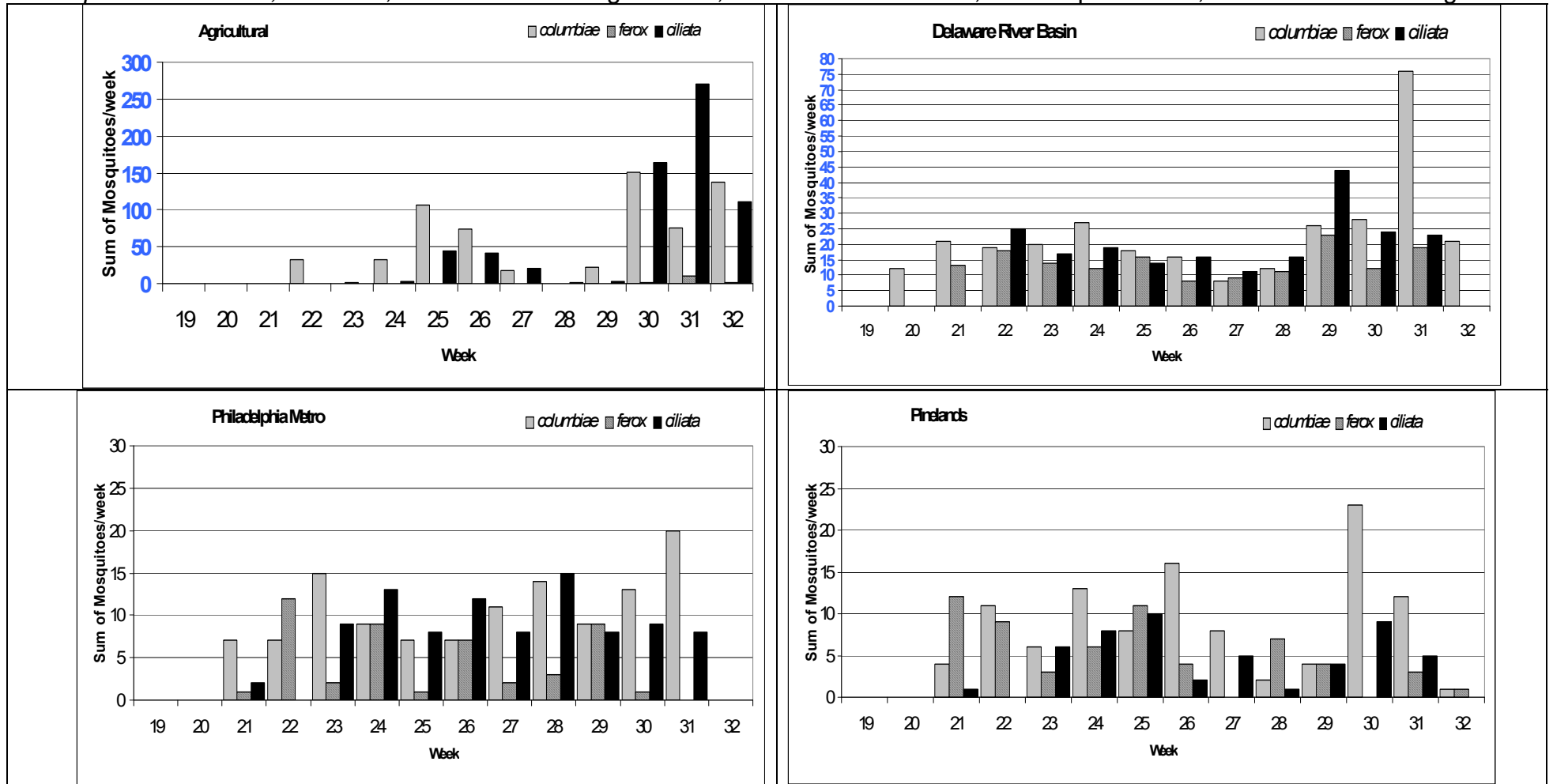
Culiseta melanura - Miscellaneous Group



Ochlerotatus japonicus – Multivoltine Aedine



Psorophora columbiae, *Ps. ferox*, and *Ps. ciliata* in Agricultural, Delaware River Basin, Philadelphia Metro, and the Pinelands regions.



Psorophora populations are beginning to decline after the very heavy emergence that followed flooding conditions late in July. *Psorophora*, in general, cause considerable nuisance but are relatively short lived. It is unlikely that this group will appear in any numbers for the remainder of this year.