

# VECTOR SURVEILLANCE SUMMARY SHEET

WEEK: 11

## *Culiseta melanura* Monitor August 9 - 15, 2004

| Coastal Resting Boxes       |                          |                                 |                         |                               |                        | Inland Resting Boxes        |                          |                                 |                         |                               |                        |
|-----------------------------|--------------------------|---------------------------------|-------------------------|-------------------------------|------------------------|-----------------------------|--------------------------|---------------------------------|-------------------------|-------------------------------|------------------------|
| Sites                       | Mean From Previous Years | No. Per Box For This Collection | Total Collected to Date | Total Pools Submitted to Date | EEE Isolations To Date | Sites                       | Mean From Previous Years | No. Per Box For This Collection | Total Collected to Date | Total Pools Submitted to Date | EEE Isolations To Date |
| Green Bank (Burlington Co.) | 7.4                      | 0.3                             | 1,225                   | 52                            | 2                      | Waterford (Camden Co.)      | 1.3                      | <0.1                            | 955                     | 43                            | 0                      |
| Corbin City (Atlantic Co.)  | 1.2                      | 2.8                             | 498                     | 41                            | 0                      | Centerton (Salem Co.)       | 4.2                      | 1.5                             | 1,576                   | 58                            | 3                      |
| Dennisville (Cape May Co.)  | 8.7                      | 0.3                             | 1,053                   | 51                            | 0                      | Turkey Swamp (Monmouth Co.) | 1.1                      | 3.2                             | 402                     | 40                            | 0                      |

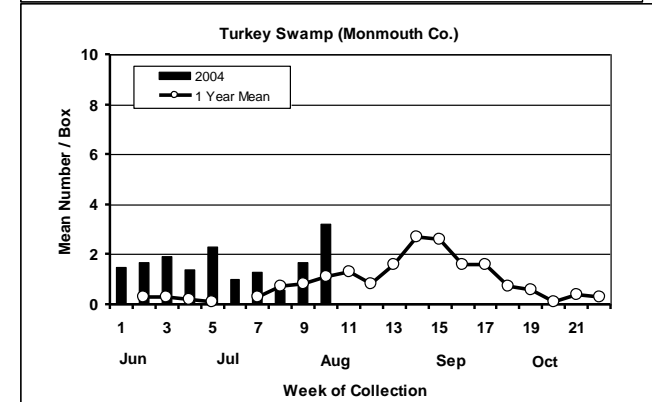
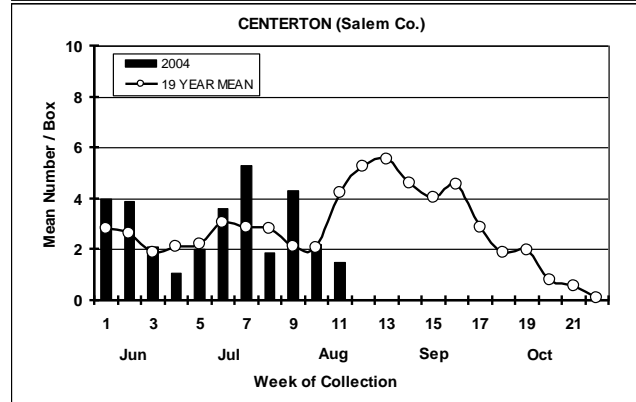
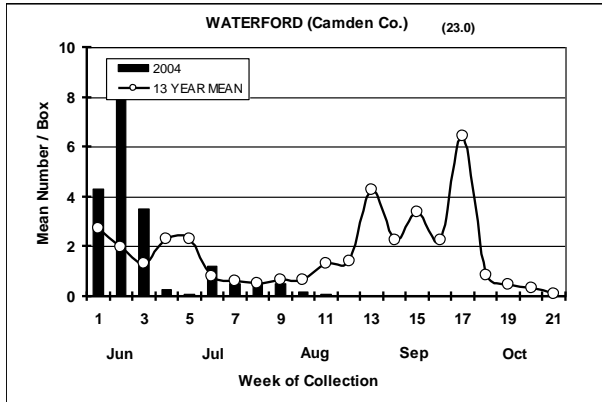
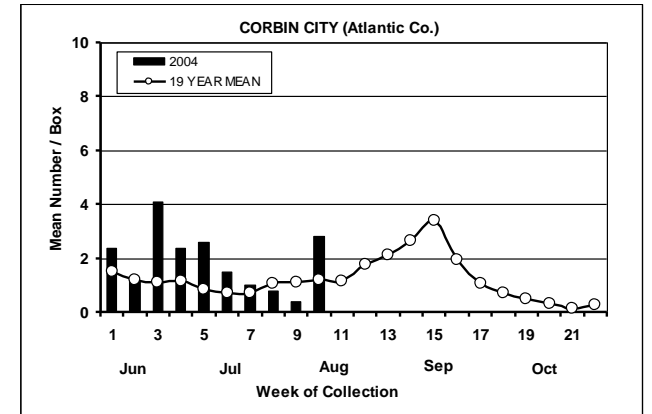
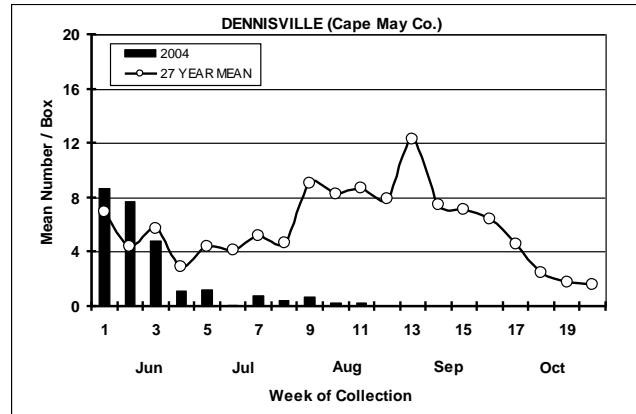
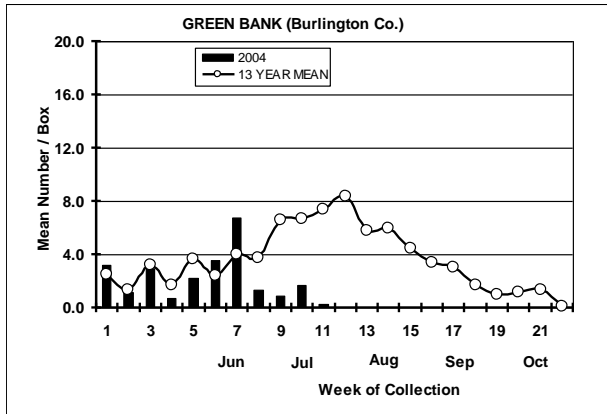
### Collections submitted to PHEL for West Nile Virus testing

| Species            | <i>Cx. pip</i> | <i>Cx. rest</i> | <i>Cx. sal</i> | <i>Cx. spp.</i> | <i>Cs. mel</i> | <i>Ae. vex</i> | <i>Oc. cana</i> | <i>Oc. triv</i> | <i>Oc. tris</i> | <i>Oc. soll.</i> | <i>Oc. jap</i> | <i>Ae. albo</i> | Other | TOTALS |
|--------------------|----------------|-----------------|----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|------------------|----------------|-----------------|-------|--------|
| No. Pools          | 178            | 152             | 95             | 931             | 396            | 161            | 102             | 31              | 125             | 64               | 310            | 53              |       | 3,134  |
| Total Specimens    | 4,399          | 2,699           | 2,165          | 32,148          | 7,062          | 2,248          | 1,268           | 410             | 668             | 1,127            | 2,067          | 247             |       | 64,066 |
| No. Positive Pools | 14             | 1               | 1              | 45              | 4              | 0              | 0               | 0               | 0               | 0                | 0              | 0               |       | 65     |

**Remarks:** Two fatal equine cases of EEE have been confirmed in southern New Jersey. A 1 yr.-old thoroughbred mare stabled on the border of Cumberland and Atlantic counties near Estelle Manor first exhibited symptoms on Aug. 3 and was euthanized the next day. A 20 yr-old gelding from Sicklerville in Camden Co. had onset on August 4 and was euthanized several days later. EEE activity in *Cs. melanura* continues at both the Green Bank (positive pools 7/12 & 8/2) and Centerton (positive pools 7/19, 7/27 & 8/3) study sites. Resting box data indicate that *Cs. melanura* populations have subsided somewhat at those 2 monitoring sites but are currently above normal levels at Corbin City and Turkey Swamp. WNV activity is widespread but still confined largely to bird feeding mosquitoes. A single positive from *Cx. salinarius* represents the only evidence of transfer to potential bridge vector species to date. WNV has now been documented in mosquitoes collected from 13 counties in New Jersey. Positive pools from urban foci in the northeast have increased notably in recent weeks.

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## *Culiseta melanura* Population Graphs



*Cs. melanura* populations have subsided somewhat at both Green Bank and Dennisville. Positive pools, however, were obtained from specimens sampled at both of those sites during the Week 10 collection period. Rising populations at Corbin City and Turkey Swamp point toward an influx of nulliparous specimens. Historical data clearly show that adequate time is available for EEE to be maintained at epizootic levels for more than a month before cool weather terminates the cycle.

## Mosquito Species Submitted for West Nile Virus Testing through August 12, 2004

| Species                     | Pools       | Mosquitoes   | Positives |
|-----------------------------|-------------|--------------|-----------|
| Aedes albopictus            | 53          | 247          |           |
| Aedes cinereus              | 6           | 70           |           |
| Aedes vexans                | 161         | 2248         |           |
| Anopheles barberi           | 5           | 6            |           |
| Anopheles bradleyi          | 12          | 20           |           |
| Anopheles crucians          | 1           | 3            |           |
| Anopheles punctipennis      | 101         | 596          |           |
| Anopheles quadrimaculatus   | 83          | 2142         |           |
| Anopheles walkeri           | 8           | 167          |           |
| Coquillettidia perturbans   | 81          | 1260         |           |
| Culex erraticus             | 12          | 282          |           |
| Culex pipiens               | 178         | 4399         | 14        |
| Culex restuans              | 152         | 2699         | 1         |
| Culex salinarius            | 95          | 2165         | 1         |
| Culex spp.                  | 931         | 32148        | 45        |
| Culex territans             | 22          | 59           |           |
| Culiseta melanura           | 396         | 7062         | 4         |
| Culiseta morsitans          | 1           | 1            |           |
| Ochlerotatus abserratus     | 1           | 9            |           |
| Ochlerotatus atlanticus     | 3           | 7            |           |
| Ochlerotatus atropalpus     | 2           | 11           |           |
| Ochlerotatus canadensis     | 102         | 1268         |           |
| Ochlerotatus cantator       | 42          | 964          |           |
| Ochlerotatus excrucians     | 3           | 4            |           |
| Ochlerotatus grossbecki     | 8           | 21           |           |
| Ochlerotatus japonicus      | 310         | 2067         |           |
| Ochlerotatus mitchellae     | 2           | 3            |           |
| Ochlerotatus punctor        | 1           | 4            |           |
| Ochlerotatus sollicitans    | 64          | 1127         |           |
| Ochlerotatus sticticus      | 7           | 79           |           |
| Ochlerotatus stimulans      | 6           | 33           |           |
| Ochlerotatus taeniorhynchus | 10          | 138          |           |
| Ochlerotatus thibaulti      | 1           | 1            |           |
| Ochlerotatus triseriatus    | 125         | 668          |           |
| Ochlerotatus trivittatus    | 31          | 410          |           |
| Orthopodomyia signifera     | 4           | 8            |           |
| Psorophora ciliata          | 20          | 240          |           |
| Psorophora columbiae        | 35          | 502          |           |
| Psorophora discolor         | 1           | 1            |           |
| Psorophora ferox            | 41          | 759          |           |
| Psorophora howardii         | 4           | 15           |           |
| Uranotaenia sapphirina      | 13          | 153          |           |
| <b>Grand Total</b>          | <b>3134</b> | <b>64066</b> | <b>65</b> |

## Submissions by County through August 12, 2004

| County          | Species                     | Pools      | Mosquitoes  | Positives |
|-----------------|-----------------------------|------------|-------------|-----------|
| <b>Atlantic</b> |                             | <b>278</b> | <b>6585</b> | <b>8</b>  |
|                 | Aedes albopictus            | 11         | 78          |           |
|                 | Aedes cinereus              | 1          | 35          |           |
|                 | Aedes vexans                | 19         | 424         |           |
|                 | Anopheles bradleyi          | 4          | 6           |           |
|                 | Anopheles punctipennis      | 2          | 5           |           |
|                 | Anopheles quadrimaculatus   | 2          | 4           |           |
|                 | Coquillettidia perturbans   | 10         | 153         |           |
|                 | Culex erraticus             | 5          | 90          |           |
|                 | Culex pipiens               | 7          | 191         | <b>1</b>  |
|                 | Culex restuans              | 11         | 124         |           |
|                 | Culex salinarius            | 4          | 41          |           |
|                 | Culex spp.                  | 69         | 2785        | <b>7</b>  |
|                 | Culex territans             | 2          | 6           |           |
|                 | Culiseta melanura           | 56         | 991         |           |
|                 | Ochlerotatus canadensis     | 15         | 325         |           |
|                 | Ochlerotatus cantator       | 20         | 788         |           |
|                 | Ochlerotatus japonicus      | 10         | 72          |           |
|                 | Ochlerotatus sollicitans    | 12         | 275         |           |
|                 | Ochlerotatus taeniorhynchus | 5          | 41          |           |
|                 | Ochlerotatus triseriatus    | 10         | 113         |           |
|                 | Ochlerotatus trivittatus    | 1          | 1           |           |
|                 | Orthopodomyia signifera     | 1          | 4           |           |
|                 | Psorophora ferox            | 1          | 33          |           |
| <b>Bergen</b>   |                             | <b>139</b> | <b>6701</b> | <b>16</b> |
|                 | Aedes albopictus            | 2          | 17          |           |
|                 | Aedes cinereus              | 1          | 11          |           |
|                 | Aedes vexans                | 7          | 287         |           |
|                 | Culex pipiens               | 15         | 710         | <b>5</b>  |
|                 | Culex restuans              | 3          | 28          |           |
|                 | Culex salinarius            | 14         | 917         | <b>1</b>  |
|                 | Culex spp.                  | 82         | 4361        | <b>10</b> |
|                 | Culiseta melanura           | 1          | 1           |           |
|                 | Ochlerotatus canadensis     | 1          | 3           |           |
|                 | Ochlerotatus cantator       | 1          | 1           |           |
|                 | Ochlerotatus japonicus      | 2          | 66          |           |
|                 | Ochlerotatus sollicitans    | 6          | 269         |           |
|                 | Ochlerotatus triseriatus    | 4          | 30          |           |

| <b>Burlington</b>           | <b>177</b> | <b>2697</b> | <b>5</b> |
|-----------------------------|------------|-------------|----------|
| Aedes albopictus            | 6          | 21          |          |
| Aedes cinereus              | 1          | 3           |          |
| Aedes vexans                | 13         | 174         |          |
| Anopheles bradleyi          | 1          | 5           |          |
| Anopheles crucians          | 1          | 3           |          |
| Anopheles punctipennis      | 6          | 29          |          |
| Anopheles quadrimaculatus   | 5          | 29          |          |
| Coquillettidia perturbans   | 6          | 48          |          |
| Culex erraticus             | 1          | 2           |          |
| Culex pipiens               | 2          | 21          |          |
| Culex restuans              | 1          | 11          |          |
| Culex salinarius            | 2          | 2           |          |
| Culex spp.                  | 22         | 677         | <b>1</b> |
| Culex territans             | 2          | 8           |          |
| Culiseta melanura           | 60         | 1402        | <b>4</b> |
| Ochlerotatus abserratus     | 1          | 9           |          |
| Ochlerotatus atlanticus     | 1          | 2           |          |
| Ochlerotatus atropalpus     | 1          | 3           |          |
| Ochlerotatus canadensis     | 4          | 17          |          |
| Ochlerotatus cantator       | 1          | 2           |          |
| Ochlerotatus grossbecki     | 1          | 6           |          |
| Ochlerotatus japonicus      | 13         | 38          |          |
| Ochlerotatus mitchellae     | 2          | 3           |          |
| Ochlerotatus sollicitans    | 3          | 16          |          |
| Ochlerotatus sticticus      | 2          | 13          |          |
| Ochlerotatus stimulans      | 1          | 4           |          |
| Ochlerotatus taeniorhynchus | 1          | 7           |          |
| Ochlerotatus triseriatus    | 5          | 26          |          |
| Ochlerotatus trivittatus    | 2          | 2           |          |
| Orthopodomyia signifera     | 1          | 2           |          |
| Psorophora ciliata          | 2          | 18          |          |
| Psorophora columbiae        | 2          | 59          |          |
| Psorophora ferox            | 2          | 10          |          |
| Psorophora howardii         | 1          | 7           |          |
| Uranotaenia sapphirina      | 2          | 18          |          |
| <b>Camden</b>               | <b>67</b>  | <b>1132</b> | <b>0</b> |
| Aedes albopictus            | 4          | 32          |          |
| Anopheles punctipennis      | 7          | 35          |          |
| Anopheles quadrimaculatus   | 3          | 5           |          |
| Culex restuans              | 1          | 2           |          |
| Culex spp.                  | 3          | 21          |          |
| Culiseta melanura           | 43         | 955         |          |
| Ochlerotatus japonicus      | 1          | 1           |          |
| Ochlerotatus trivittatus    | 1          | 1           |          |
| Psorophora ferox            | 4          | 80          |          |

|                             |            |             |          |
|-----------------------------|------------|-------------|----------|
| <b>Cape May</b>             | <b>246</b> | <b>4796</b> | <b>1</b> |
| Aedes albopictus            | 3          | 6           |          |
| Aedes vexans                | 1          | 6           |          |
| Anopheles bradleyi          | 3          | 5           |          |
| Anopheles punctipennis      | 3          | 25          |          |
| Anopheles quadrimaculatus   | 34         | 1896        |          |
| Coquillettidia perturbans   | 6          | 120         |          |
| Culex erraticus             | 4          | 187         |          |
| Culex pipiens               | 49         | 679         |          |
| Culex restuans              | 33         | 217         | 1        |
| Culex salinarius            | 13         | 188         |          |
| Culex territans             | 5          | 20          |          |
| Culiseta melanura           | 71         | 1259        |          |
| Ochlerotatus cantator       | 4          | 17          |          |
| Ochlerotatus japonicus      | 7          | 19          |          |
| Ochlerotatus sollicitans    | 5          | 58          |          |
| Ochlerotatus taeniorhynchus | 3          | 89          |          |
| Ochlerotatus triseriatus    | 2          | 5           |          |
| <b>Cumberland</b>           | <b>163</b> | <b>889</b>  | <b>0</b> |
| Aedes vexans                | 33         | 280         |          |
| Anopheles punctipennis      | 3          | 6           |          |
| Coquillettidia perturbans   | 2          | 2           |          |
| Culex pipiens               | 11         | 151         |          |
| Culex restuans              | 8          | 34          |          |
| Culex salinarius            | 11         | 129         |          |
| Culex spp.                  | 9          | 23          |          |
| Culiseta melanura           | 9          | 13          |          |
| Ochlerotatus canadensis     | 36         | 107         |          |
| Ochlerotatus cantator       | 7          | 9           |          |
| Ochlerotatus grossbecki     | 2          | 3           |          |
| Ochlerotatus japonicus      | 12         | 37          |          |
| Ochlerotatus sollicitans    | 4          | 9           |          |
| Ochlerotatus triseriatus    | 4          | 5           |          |
| Ochlerotatus trivittatus    | 2          | 2           |          |
| Psorophora ciliata          | 1          | 4           |          |
| Psorophora columbiae        | 9          | 75          |          |
| <b>Essex</b>                | <b>102</b> | <b>1332</b> | <b>0</b> |
| Aedes albopictus            | 3          | 4           |          |
| Aedes vexans                | 6          | 24          |          |
| Anopheles punctipennis      | 1          | 1           |          |
| Coquillettidia perturbans   | 8          | 62          |          |
| Culex spp.                  | 43         | 614         |          |
| Ochlerotatus canadensis     | 1          | 4           |          |
| Ochlerotatus japonicus      | 11         | 65          |          |

|                   |                           |            |             |           |
|-------------------|---------------------------|------------|-------------|-----------|
|                   | Ochlerotatus sticticus    | 2          | 10          |           |
|                   | Ochlerotatus triseriatus  | 6          | 17          |           |
|                   | Ochlerotatus trivittatus  | 1          | 12          |           |
|                   | Psorophora ferox          | 20         | 519         |           |
| <b>Gloucester</b> |                           | <b>133</b> | <b>3138</b> | <b>12</b> |
|                   | Aedes albopictus          | 5          | 12          |           |
|                   | Aedes vexans              | 4          | 16          |           |
|                   | Anopheles bradleyi        | 1          | 1           |           |
|                   | Anopheles punctipennis    | 3          | 9           |           |
|                   | Anopheles quadrimaculatus | 1          | 2           |           |
|                   | Culex pipiens             | 7          | 300         |           |
|                   | Culex restuans            | 3          | 54          |           |
|                   | Culex salinarius          | 3          | 68          |           |
|                   | Culex spp.                | 78         | 2543        | <b>12</b> |
|                   | Culiseta melanura         | 1          | 3           |           |
|                   | Ochlerotatus japonicus    | 16         | 87          |           |
|                   | Ochlerotatus sollicitans  | 1          | 1           |           |
|                   | Ochlerotatus triseriatus  | 4          | 14          |           |
|                   | Psorophora columbiae      | 3          | 15          |           |
|                   | Psorophora ferox          | 3          | 13          |           |
| <b>Hudson</b>     |                           | <b>75</b>  | <b>2296</b> | <b>5</b>  |
|                   | Culex spp.                | 75         | 2296        | <b>5</b>  |
| <b>Hunterdon</b>  |                           | <b>110</b> | <b>4622</b> | <b>2</b>  |
|                   | Aedes vexans              | 1          | 37          |           |
|                   | Anopheles punctipennis    | 2          | 19          |           |
|                   | Culex spp.                | 96         | 4400        | <b>2</b>  |
|                   | Ochlerotatus japonicus    | 6          | 35          |           |
|                   | Ochlerotatus trivittatus  | 2          | 100         |           |
|                   | Psorophora ciliata        | 3          | 31          |           |
| <b>Mercer</b>     |                           | <b>164</b> | <b>3758</b> | <b>9</b>  |
|                   | Aedes albopictus          | 4          | 7           |           |
|                   | Aedes vexans              | 10         | 300         |           |
|                   | Anopheles punctipennis    | 7          | 71          |           |
|                   | Anopheles quadrimaculatus | 2          | 6           |           |
|                   | Coquillettidia perturbans | 4          | 105         |           |
|                   | Culex pipiens             | 35         | 990         | <b>8</b>  |
|                   | Culex restuans            | 26         | 640         |           |
|                   | Culex salinarius          | 5          | 38          |           |
|                   | Culex spp.                | 18         | 806         | <b>1</b>  |
|                   | Culiseta melanura         | 2          | 6           |           |
|                   | Ochlerotatus atropalpus   | 1          | 8           |           |
|                   | Ochlerotatus canadensis   | 9          | 397         |           |
|                   | Ochlerotatus excrucians   | 2          | 3           |           |

|                  |                             |            |             |          |
|------------------|-----------------------------|------------|-------------|----------|
|                  | Ochlerotatus japonicus      | 20         | 74          |          |
|                  | Ochlerotatus sticticus      | 1          | 40          |          |
|                  | Ochlerotatus triseriatus    | 6          | 13          |          |
|                  | Ochlerotatus trivittatus    | 4          | 92          |          |
|                  | Psorophora ciliata          | 1          | 8           |          |
|                  | Psorophora columbiae        | 1          | 23          |          |
|                  | Psorophora ferox            | 1          | 7           |          |
|                  | Psorophora howardii         | 2          | 7           |          |
|                  | Uranotaenia sapphirina      | 3          | 117         |          |
| <b>Middlesex</b> |                             | <b>42</b>  | <b>626</b>  | <b>0</b> |
|                  | Aedes albopictus            | 1          | 1           |          |
|                  | Aedes vexans                | 4          | 35          |          |
|                  | Anopheles punctipennis      | 3          | 6           |          |
|                  | Culex pipiens               | 7          | 300         |          |
|                  | Culex restuans              | 3          | 24          |          |
|                  | Culex spp.                  | 8          | 181         |          |
|                  | Ochlerotatus japonicus      | 3          | 18          |          |
|                  | Ochlerotatus sollicitans    | 4          | 50          |          |
|                  | Ochlerotatus triseriatus    | 4          | 5           |          |
|                  | Ochlerotatus trivittatus    | 2          | 3           |          |
|                  | Orthopodomyia signifera     | 1          | 1           |          |
|                  | Psorophora columbiae        | 2          | 2           |          |
| <b>Monmouth</b>  |                             | <b>311</b> | <b>3669</b> | <b>0</b> |
|                  | Aedes albopictus            | 2          | 2           |          |
|                  | Aedes vexans                | 19         | 256         |          |
|                  | Anopheles barberi           | 3          | 3           |          |
|                  | Anopheles punctipennis      | 15         | 108         |          |
|                  | Anopheles quadrimaculatus   | 12         | 40          |          |
|                  | Coquillettidia perturbans   | 7          | 16          |          |
|                  | Culex erraticus             | 1          | 2           |          |
|                  | Culex pipiens               | 22         | 728         |          |
|                  | Culex restuans              | 16         | 296         |          |
|                  | Culex salinarius            | 16         | 641         |          |
|                  | Culex spp.                  | 36         | 198         |          |
|                  | Culex territans             | 3          | 4           |          |
|                  | Culiseta melanura           | 48         | 374         |          |
|                  | Ochlerotatus atlanticus     | 2          | 5           |          |
|                  | Ochlerotatus canadensis     | 13         | 107         |          |
|                  | Ochlerotatus cantator       | 3          | 10          |          |
|                  | Ochlerotatus grossbecki     | 1          | 2           |          |
|                  | Ochlerotatus japonicus      | 34         | 264         |          |
|                  | Ochlerotatus sollicitans    | 9          | 137         |          |
|                  | Ochlerotatus sticticus      | 1          | 3           |          |
|                  | Ochlerotatus taeniorhynchus | 1          | 1           |          |
|                  | Ochlerotatus triseriatus    | 28         | 263         |          |



|               |                           |            |             |          |
|---------------|---------------------------|------------|-------------|----------|
|               | Ochlerotatus trivittatus  | 4          | 6           |          |
|               | Psorophora ciliata        | 4          | 46          |          |
|               | Psorophora columbiae      | 7          | 145         |          |
|               | Psorophora ferox          | 4          | 12          |          |
| <b>Morris</b> |                           | <b>126</b> | <b>4578</b> | <b>1</b> |
|               | Aedes cinereus            | 1          | 10          |          |
|               | Aedes vexans              | 2          | 13          |          |
|               | Anopheles punctipennis    | 3          | 6           |          |
|               | Coquillettidia perturbans | 3          | 30          |          |
|               | Culex pipiens             | 2          | 6           |          |
|               | Culex restuans            | 1          | 1           |          |
|               | Culex spp.                | 77         | 4178        | <b>1</b> |
|               | Ochlerotatus canadensis   | 1          | 11          |          |
|               | Ochlerotatus japonicus    | 25         | 133         |          |
|               | Ochlerotatus sticticus    | 1          | 13          |          |
|               | Ochlerotatus triseriatus  | 7          | 26          |          |
|               | Ochlerotatus trivittatus  | 1          | 75          |          |
|               | Psorophora ferox          | 2          | 76          |          |
| <b>Ocean</b>  |                           | <b>260</b> | <b>3115</b> | <b>2</b> |
|               | Aedes albopictus          | 10         | 63          |          |
|               | Aedes vexans              | 17         | 295         |          |
|               | Anopheles bradleyi        | 1          | 1           |          |
|               | Anopheles punctipennis    | 10         | 79          |          |
|               | Anopheles quadrimaculatus | 5          | 11          |          |
|               | Coquillettidia perturbans | 14         | 301         |          |
|               | Culex pipiens             | 11         | 209         |          |
|               | Culex restuans            | 11         | 168         |          |
|               | Culex salinarius          | 21         | 120         |          |
|               | Culex spp.                | 30         | 546         | <b>2</b> |
|               | Culex territans           | 2          | 5           |          |
|               | Culiseta melanura         | 42         | 474         |          |
|               | Ochlerotatus canadensis   | 11         | 216         |          |
|               | Ochlerotatus cantator     | 1          | 50          |          |
|               | Ochlerotatus grossbecki   | 4          | 10          |          |
|               | Ochlerotatus japonicus    | 18         | 71          |          |
|               | Ochlerotatus sollicitans  | 20         | 312         |          |
|               | Ochlerotatus thibaulti    | 1          | 1           |          |
|               | Ochlerotatus triseriatus  | 11         | 23          |          |
|               | Ochlerotatus trivittatus  | 2          | 4           |          |
|               | Orthopodomyia signifera   | 1          | 1           |          |
|               | Psorophora ciliata        | 7          | 129         |          |
|               | Psorophora columbiae      | 2          | 5           |          |
|               | Psorophora ferox          | 3          | 8           |          |
|               | Psorophora howardii       | 1          | 1           |          |
|               | Uranotaenia sapphirina    | 4          | 12          |          |

|                           |            |             |          |
|---------------------------|------------|-------------|----------|
| <b>Passaic</b>            | <b>71</b>  | <b>1593</b> | <b>2</b> |
| Anopheles punctipennis    | 2          | 4           |          |
| Culex spp.                | 48         | 1381        | <b>2</b> |
| Ochlerotatus japonicus    | 20         | 199         |          |
| Ochlerotatus triseriatus  | 1          | 9           |          |
| <b>Salem</b>              | <b>167</b> | <b>2965</b> | <b>0</b> |
| Aedes vexans              | 7          | 20          |          |
| Anopheles bradleyi        | 2          | 2           |          |
| Anopheles punctipennis    | 9          | 58          |          |
| Anopheles quadrimaculatus | 11         | 106         |          |
| Anopheles walkeri         | 3          | 15          |          |
| Coquillettidia perturbans | 3          | 5           |          |
| Culex erraticus           | 1          | 1           |          |
| Culex restuans            | 14         | 592         |          |
| Culex spp.                | 30         | 266         |          |
| Culex territans           | 3          | 6           |          |
| Culiseta melanura         | 59         | 1579        |          |
| Ochlerotatus cantator     | 4          | 37          |          |
| Ochlerotatus japonicus    | 10         | 96          |          |
| Psorophora ciliata        | 1          | 3           |          |
| Psorophora columbiae      | 9          | 178         |          |
| Psorophora ferox          | 1          | 1           |          |
| <b>Somerset</b>           | <b>146</b> | <b>2722</b> | <b>0</b> |
| Aedes vexans              | 5          | 26          |          |
| Anopheles punctipennis    | 5          | 10          |          |
| Anopheles quadrimaculatus | 1          | 1           |          |
| Coquillettidia perturbans | 2          | 6           |          |
| Culex pipiens             | 5          | 104         |          |
| Culex restuans            | 10         | 291         |          |
| Culex salinarius          | 1          | 2           |          |
| Culex spp.                | 63         | 1884        |          |
| Culex territans           | 1          | 1           |          |
| Culiseta melanura         | 1          | 1           |          |
| Ochlerotatus canadensis   | 4          | 54          |          |
| Ochlerotatus japonicus    | 31         | 285         |          |
| Ochlerotatus triseriatus  | 12         | 47          |          |
| Ochlerotatus trivittatus  | 4          | 9           |          |
| Psorophora ciliata        | 1          | 1           |          |
| <b>Sussex</b>             | <b>183</b> | <b>2027</b> | <b>1</b> |
| Aedes cinereus            | 2          | 11          |          |
| Aedes vexans              | 7          | 45          |          |
| Anopheles barberi         | 1          | 1           |          |
| Anopheles punctipennis    | 14         | 116         |          |

|                           |             |              |           |
|---------------------------|-------------|--------------|-----------|
| Anopheles quadrimaculatus | 6           | 35           |           |
| Anopheles walkeri         | 5           | 152          |           |
| Coquillettidia perturbans | 16          | 412          |           |
| Culex pipiens             | 5           | 10           |           |
| Culex restuans            | 10          | 214          |           |
| Culex salinarius          | 5           | 19           |           |
| Culex spp.                | 36          | 538          | 1         |
| Culex territans           | 4           | 9            |           |
| Culiseta melanura         | 3           | 4            |           |
| Culiseta morsitans        | 1           | 1            |           |
| Ochlerotatus canadensis   | 7           | 27           |           |
| Ochlerotatus japonicus    | 37          | 244          |           |
| Ochlerotatus stimulans    | 5           | 29           |           |
| Ochlerotatus triseriatus  | 12          | 53           |           |
| Ochlerotatus trivittatus  | 3           | 101          |           |
| Uranotaenia sapphirina    | 4           | 6            |           |
| <b>Union</b>              | <b>42</b>   | <b>1467</b>  | <b>1</b>  |
| Aedes albopictus          | 2           | 4            |           |
| Culex spp.                | 33          | 1449         | 1         |
| Ochlerotatus japonicus    | 4           | 11           |           |
| Ochlerotatus triseriatus  | 1           | 1            |           |
| Ochlerotatus trivittatus  | 1           | 1            |           |
| Psorophora discolor       | 1           | 1            |           |
| <b>Warren</b>             | <b>132</b>  | <b>3358</b>  | <b>0</b>  |
| Aedes vexans              | 6           | 10           |           |
| Anopheles barberi         | 1           | 2            |           |
| Anopheles punctipennis    | 6           | 9            |           |
| Anopheles quadrimaculatus | 1           | 7            |           |
| Culex restuans            | 1           | 3            |           |
| Culex spp.                | 75          | 3001         |           |
| Ochlerotatus cantator     | 1           | 50           |           |
| Ochlerotatus excrucians   | 1           | 1            |           |
| Ochlerotatus japonicus    | 30          | 252          |           |
| Ochlerotatus punctor      | 1           | 4            |           |
| Ochlerotatus triseriatus  | 8           | 18           |           |
| Ochlerotatus trivittatus  | 1           | 1            |           |
| <b>Grand Total</b>        | <b>3134</b> | <b>64066</b> | <b>65</b> |