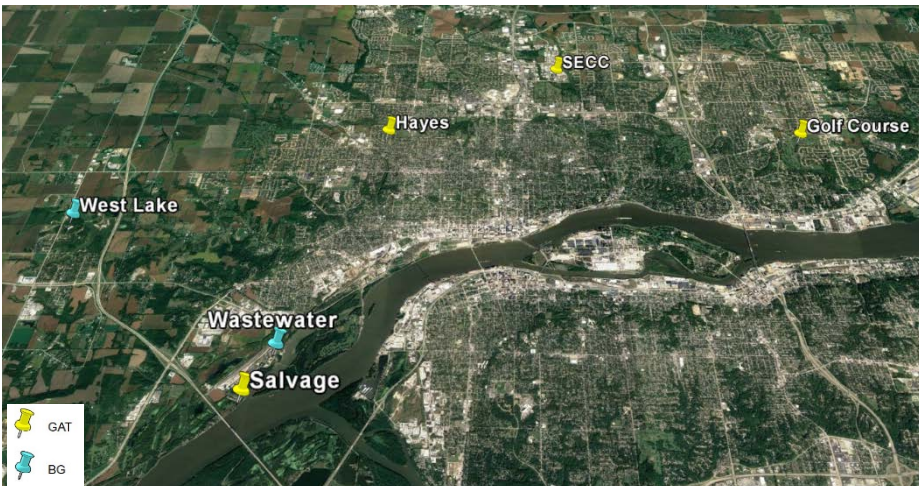
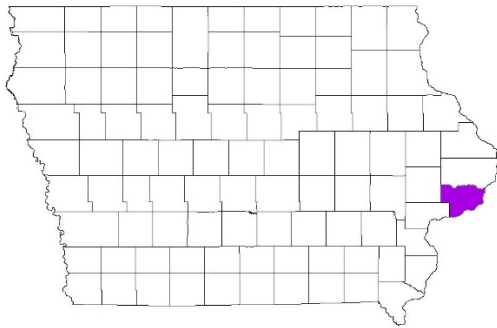


Iowa *Aedes* Surveillance

Scott County



Total Mosquitoes: **1,089**
Total Mosquitoes GAT: **16**
Total Mosquito BG: **1,073**

Mosquito Trapping Summary: 2018

The Scott County Health Department participated in the *Aedes* surveillance program in 2018, trapping at the above locations from May 21 to September 28. The two BG-Sentinel traps (BG) ran for a total of 40 nights, the four Gravid *Aedes* Traps (GAT) ran for a combined total of 345 nights.

A total of 1,089 mosquitoes were collected this summer as part of the *Aedes* surveillance in Scott County. Of these, 98.5% of the total were collected from the two BG-Sentinel traps and the remaining 1.5% (16) were from the four GATs.

The BG-Sentinel traps at the Waste Water Treatment Plant and West Lake Park collected substantial mosquitoes, with West Lake Park accounting for 800 of the 1,073 mosquitoes sampled. These traps were dominated by the ever-abundant *Aedes vexans*, a very common biting pest of humans that does not transmit human disease agents. This species is extremely common throughout Iowa and shows significant population booms after rainfall events. The most common species found in the limited GATs trap yields was *Ae. triseriatus*. This mosquito is a potential vector of La Crosse encephalitis (LACV).

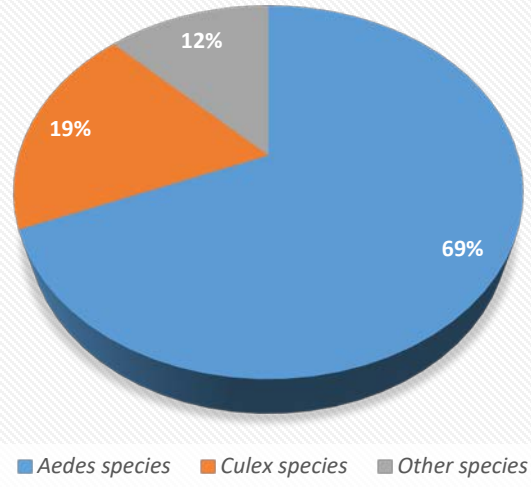
Similar to previous years, no *Aedes aegypti* or *Ae. albopictus* were found through these trapping efforts. While these data suggest that these invasive mosquito species are not present in Davenport, it is possible for established populations to exist elsewhere in Scott County or other locations in the state.

IOWA AEDES SURVEILLANCE

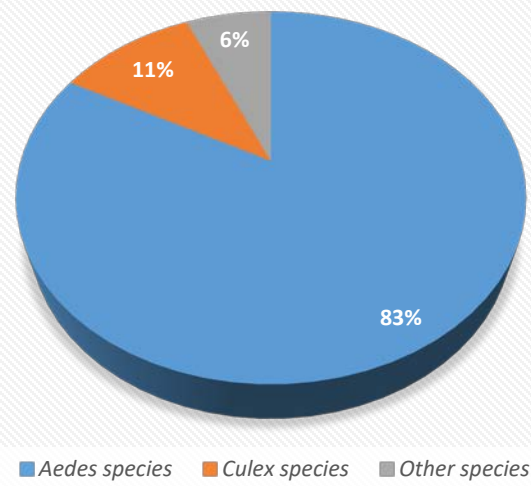
Mosquitoes Collected per Trap: 2018

Species	GAT	BG	Total
<i>Aedes</i> ??	1	12	13
<i>Ae. atropalpus</i>	0	24	24
<i>Ae. japonicus</i>	1	2	3
<i>Ae. trivittatus</i>	1	44	45
<i>Ae. triseriatus</i>	7	45	52
<i>Ae. vexans</i>	1	763	764
Aedes subtotal	11	890	901
CPG	3	113	116
Culex subtotal	3	113	116
<i>Anopheles</i> ??	0	19	19
<i>An. punctipennis</i>	1	2	3
<i>An. quadrimaculatus</i>	0	47	47
<i>Ps. ciliata</i>	0	1	1
<i>Ps. horrida</i>	0	1	1
<i>Ur. sapphirina</i>	1	0	1
Other subtotal	2	70	72
Grand Total	16	1073	1089
Trapping events	345	165	510
Trap index	0.05	6.50	2.14

Mosquitoes Collected: GAT



Mosquitoes Collected: BG



IOWA *AEDES* SURVEILLANCE

Mosquito Surveillance by Site: 2018

Species	GAT				BG	
	Golf Course	Hayes	Treatment	Salvage	Treatment	West Lake
<i>Aedes</i> ??	0	1	0	0	6	6
<i>Ae. atropalpus</i>	0	0	0	0	17	7
<i>Ae. japonicus</i>	0	0	0	1	1	1
<i>Ae. trivittatus</i>	1	0	0	0	22	22
<i>Ae. triseriatus</i>	0	0	0	7	31	14
<i>Ae. vexans</i>	1	0	0	0	94	669
<i>Aedes</i> subtotal	2	1	0	8	171	719
CPG	0	1	0	2	58	55
<i>Culex</i> subtotal	0	1	0	2	58	55
<i>Anopheles</i> ??	0	0	0	0	12	7
<i>An. punctipennis</i>	0	0	0	1	1	1
<i>An. quadrimaculatus</i>	0	0	0	0	30	17
<i>Ps. ciliata</i>	0	0	0	0	0	1
<i>Ps. horrida</i>	0	0	0	0	1	0
<i>Ur. sapphirina</i>	1	0	0	0	0	0
Other subtotal	1	0	0	1	44	26
Grand Total	3	2	0	11	273	800
Trapping events	113	106	78	48	89	76
Trap index	0.03	0.02	0.00	0.23	3.07	10.53