

Table S1. List of sample sites in the Oklahoma City metro area. The numbers correspond to the sites in Figure 1. The site names are generally a household or municipality name. The landscape setting categories are suburban backyard, rural and riparian forest. Latitude and longitude are reported in decimal degrees.

Site number	Site name	County	Landscape setting	Latitude	Longitude
1	N SNU	Oklahoma	Suburban backyard	35.515428	-97.628656
2	NW Norman	Cleveland	Suburban backyard	35.273148	-97.494682
3	Rockwell	Oklahoma	Suburban backyard	35.519856	-97.640278
4	Northwest OKC	Oklahoma	Suburban backyard	35.555492	-97.671285
5	Piedmont	Canadian	Rural	35.704071	-97.762140
6	Moore	Oklahoma	Suburban backyard	35.358691	-97.469058
7	Southeast Bethany	Oklahoma	Suburban backyard	35.506219	-97.626057
8	Stinchcomb	Oklahoma	Riparian forest	35.522475	-97.663681
9	Minco 1	Grady	Rural	35.305378	-98.058573
10	Minco 2	Grady	Rural	35.270945	-98.058573
11	Southwest OKC	Oklahoma	Suburban backyard	35.370093	-97.525147
12	Equestrian	Oklahoma	Rural	35.518641	-97.649372
13	West OKC	Oklahoma	Suburban backyard	35.441111	-97.687222

Table S2. List of only the top five most abundant species for all sample sites in the Oklahoma City metro area. The site number correspond to the sites in Figure 1. The number of species reported are the collection totals resulting from all trapping efforts for all years sampled at that site, separated by early and late season when applicable. The data represented here is a detailed list of the graphic representation of Figure 1.

Site number	Site name	Top five species collected			
		Early Season		Late Season	
1	N SNU	110	<i>Ae. vexans</i>	436	<i>Cx. pipiens</i>
		96	<i>Cx. tarsalis</i>	32	<i>Ae. albopictus</i>
		73	<i>Ae. albopictus</i>	28	<i>Cx. quinquefasciatus</i>
		31	<i>Cx. nigripalpus</i>	3	<i>Ae. vexans</i>
		29	<i>Cx. quinquefasciatus</i>	3	<i>Cx. salinarius</i>
2	NW Norman	161	<i>Cx. quinquefasciatus</i>	233	<i>Ps. columbiae</i>
		112	<i>Ps. columbiae</i>	117	<i>Cx. quinquefasciatus</i>
		96	<i>Ae. vexans</i>	92	<i>Cx. nigripalpus</i>

		93	<i>Cx. tarsalis</i>	47	<i>Cx. pipiens</i>
		42	<i>An. crucians</i>	19	<i>An. quadrimaculatus</i>
3	Rockwell	80	<i>Cx. tarsalis</i>		
		58	<i>Ae. vexans</i>		
		25	<i>Ae. trivittatus</i>		
		17	<i>Cx. pipiens</i>		
		4	<i>Ps. columbiae</i>		
4	Northwest OKC	70	<i>Cx. tarsalis</i>	157	<i>Ae. albopictus</i>
		65	<i>Cx. pipiens</i>	70	<i>Cx. pipiens</i>
		55	<i>Ae. vexans</i>	19	<i>Cx. erraticus</i>
		23	<i>Ae. albopictus</i>	17	<i>Cx. quinquefasciatus</i>
		17	<i>Cx. quinquefasciatus</i>	3	<i>An. punctipennis</i>
5	Piedmont	2075	<i>Ae. vexans</i>		
		189	<i>Cx. tarsalis</i>		
		60	<i>Cx. pipiens</i>		
		53	<i>Ae. trivittatus</i>		
		49	<i>Ps. columbiae</i>		
6	Moore	101	<i>Cx. pipiens</i>	644	<i>Cx. pipiens</i>
		73	<i>Cx. quinquefasciatus</i>	65	<i>Cx. quinquefasciatus</i>
		22	<i>Cx. erraticus</i>	39	<i>Ae. albopictus</i>
		16	<i>Ae. albopictus</i>	9	<i>Ae. epactius</i>
		12	<i>Cx. tarsalis</i>	5	<i>Ae. canadensis</i>
7	Southeast Bethany	193	<i>Ae. vexans</i>	117	<i>Ae. albopictus</i>
		138	<i>Ae. trivittatus</i>	32	<i>Cx. pipiens</i>

		118	<i>Ae. albopictus</i>	3	<i>Cx. quinquefasciatus</i>
		101	<i>Cx. pipiens</i>	2	<i>Ae. epactius</i>
		87	<i>Cx. tarsalis</i>	2	<i>Cx. coronator</i>
8	Stinchcomb	10040	<i>Ae. vexans</i>	78	<i>Ae. vexans</i>
		386	<i>Cx. quinquefasciatus</i>	41	<i>Cx. quinquefasciatus</i>
		310	<i>Cx. pipiens</i>	31	<i>An. quadrimaculatus</i>
		294	<i>An. crucians</i>	30	<i>An. crucians</i>
		260	<i>Ae. trivittatus</i>	26	<i>An. pseudopunctipennis</i>
9	Minco 1	19	<i>Ae. vexans</i>	10	<i>Cx. nigripalpus</i>
		12	<i>Ae. trivittatus</i>	5	<i>An. punctipennis</i>
		7	<i>Cx. tarsalis</i>	2	<i>Cx. quinquefasciatus</i>
		6	<i>Cx. pipiens</i>	2	<i>Ps. columbiae</i>
		2	<i>An. pseudopunctipennis</i>	1	<i>Ae. vexans</i>
10	Minco 2	140	<i>Cx. pipiens</i>		
		112	<i>Cx. tarsalis</i>		
		73	<i>Ps. columbiae</i>		
		20	<i>Ae. vexans</i>		
		13	<i>Ae. sollicitans</i>		
11	Southwest OKC	232	<i>Cx. quinquefasciatus</i>	59	<i>Cx. quinquefasciatus</i>
		89	<i>Ae. vexans</i>	48	<i>Cx. pipiens</i>
		70	<i>Cx. salinarius</i>	23	<i>Ae. albopictus</i>
		27	<i>Ae. canadensis</i>	16	<i>Cx. erraticus</i>
		16	<i>Cx. tarsalis</i>	3	<i>Cx. coronator</i>
12	Equestrian	1112	<i>Ae. vexans</i>	349	<i>Ps. columbiae</i>

		526	<i>Cx. pipiens</i>	296	<i>Cx. pipiens</i>
		166	<i>Cx. quinquefasciatus</i>	58	<i>Cx. salinarius</i>
		120	<i>Ps. columbiae</i>	41	<i>Ae. vexans</i>
		104	<i>Cx. tarsalis</i>	31	<i>Ae. albopictus</i>
13	West OKC	153	<i>Ae. vexans</i>		
		75	<i>Ps. columbiae</i>		
		28	<i>Cx. restuans</i>		
		24	<i>Cx. tarsalis</i>		
		21	<i>Ae. trivittatus</i>		

Table S3. Because trapping effort varied among sites and which sites were sampled varied among years, we have summarized trapping effort (trap nights) and total abundance here by site and by trap type, namely CDC light trap (light) and CDC gravid traps (Gravid). For each site and trap type, the first number is the trapping effort (number of trap nights) and the second number is the total abundance. For example, at site 1 in 2018 we collected 142 mosquitoes during 51 trap nights, all using CDC light traps.

Site Number	Trap Type	2018 Early	2019 Early	2020 Early	2020 Late	2021 Early	2021 Late
1	Light Gravid	51/142	9/141 3/26	N/A	N/A	12/154 3/46	32/1541
2	Light Gravid	11/45	1/4	5/123	8/452	12/471	N/A
3	Light Gravid	N/A	8/188	N/A	N/A	N/A	N/A
4	Light Gravid	20/55	3/149	4/10	1/2 11/234	8/65	4/59
5	Light Gravid	10/27	3/362 2/42	1/1	N/A	13/2173 11/78	N/A
6	Light Gravid	N/A	2/49	1/6 15/229	11/770	N/A	N/A
7	Light Gravid	N/A	14/575 7/99	6/7 4/34	2/12 12/148	N/A	N/A
8	Light Gravid	15/7535	10/965 1/0	7/362 7/140	7/218	12/2157 9/353	27/651
9	Light Gravid	N/A	1/49	N/A	N/A	N/A	N/A
10	Light Gravid	N/A	2/379	4/10	1/3 2/7	N/A	N/A
11	Light Gravid	N/A	N/A		14/342	3/44 15/497	N/A
12	Light Gravid	N/A	N/A	3/7 4/14	6/382 12/365	8/1480 11/728	4/61
13	Light Gravid	N/A	N/A	2/2	N/A	18/363	N/A
Total events/abundance	Light Gravid	107/7804	53/2861 13/167	26/515 36/430	25/1169 62/1766	78/6842 57/1767	69/2335