



STAPLETON MCA

MOSQUITO CONTROL PROGRAM

MONTHLY REPORT: JULY 2017

VECTOR DISEASE CONTROL INTL.

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July

July was drier and warmer than normal as the metro area saw 0.47 inches of precipitation (1.69 inches below normal) and an average temperature of 76.4 degrees (2.2 degrees above normal.)

Most of the precipitation hit in the late stages of the month in the form of seasonal monsoonal moisture. Only two days saw temperatures reach 100, the 6th and the 19th.

West Nile Virus

Two cases of human West Nile Virus were reported in Colorado by the end of July, one in Jefferson County and one in Phillips County. No deaths have been reported. By contrast there were six human cases by the same time in 2016.

As of this writing there were 156 human West Nile Virus cases in the US with Arizona, Texas and Mississippi the top three states with the most cases. Six deaths have been reported nationwide.

Larval Control

Larval inspections in July saw a total of 159 site inspections for a total of 24.5 acres treated.

Wear Your Repellent!

- Studies have shown that most human cases of WNV were preventable. Most people infected did not take precautions such as wearing long sleeves and using repellents.
- The most effective repellents contain 10%-35% DEET (N,N-diethyl-meta-toluamide).
 - DEET in high concentrations, above 50%, provides no additional protection.

Adult Control Operations/Surveillance

No adulticide applications took place in July.

Surveillance traps collected a total of 2,436 mosquitoes in July with 74% of the *Aedes* species and 25% of the *Culex* species.

by REPORT DATE: 7/1/2017 to 7/31/2017

by ACCOUNT: SA

	Total Site Inspections	No. Wet Sites	Percentage Wet Sites	No Sites Treated	Percentage Breeding*	Total Acres Treated
Stapleton MCA	159	118	74 %	67	57 %	24.5

* (Sites Treated/Wet Sites)

by REPORT DATE: 7/1/2017 to 7/31/2017

by ACCOUNT: SA

Site ID	Visits	Wet Sites	Dips w/ Larvae	Acres	Vectobac	Vectolex	Altosid	Oil
SA 0005	4	1 25.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0006	4	4 100.0 %	1 25.0 %	1.0	6.0	0.0	0.0	0.0
SA 0007	4	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0008	3	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0009	4	4 100.0 %	1 25.0 %	0.7	7.0	0.0	0.0	0.0
SA 0010	4	4 100.0 %	2 50.0 %	3.0	26.0	0.0	0.0	0.0
SA 0011	4	4 100.0 %	2 50.0 %	0.9	18.0	0.0	0.0	0.0
SA 0012	4	4 100.0 %	4 100.0 %	1.6	32.0	0.0	0.0	0.0
SA 0013	4	4 100.0 %	4 100.0 %	0.4	8.0	0.0	0.0	0.0
SA 0014	4	4 100.0 %	4 100.0 %	0.4	8.0	0.0	0.0	0.0
SA 0015	3	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0016	4	4 100.0 %	2 50.0 %	2.0	26.0	0.0	0.0	0.0
SA 0017	1	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0017	3	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0018	4	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0019	4	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0020	1	1 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0020	3	3 100.0 %	2 66.7 %	0.1	1.0	0.0	0.0	0.0
SA 0021	4	4 100.0 %	3 75.0 %	0.9	17.0	0.0	0.0	0.0
SA 0022	1	1 100.0 %	1 100.0 %	0.2	4.0	0.0	0.0	0.0
SA 0022	3	3 100.0 %	3 100.0 %	0.6	12.0	0.0	0.0	0.0
SA 0023	4	2 50.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0024	4	4 100.0 %	2 50.0 %	1.1	14.0	0.0	0.0	0.0
SA 0025	4	4 100.0 %	2 50.0 %	1.1	22.0	0.0	0.0	0.0
SA 0026	4	4 100.0 %	4 100.0 %	0.8	15.0	0.0	0.0	0.0
SA 0027	1	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0027	3	1 33.3 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0028	1	1 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0028	3	3 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0029	1	1 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0029	3	3 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0030	1	1 100.0 %	1 100.0 %	0.0	0.1	0.0	0.0	0.0
SA 0030	3	3 100.0 %	2 66.7 %	0.1	2.0	0.0	0.0	0.1
SA 0031	1	1 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0031	3	3 100.0 %	3 100.0 %	0.3	6.0	0.0	0.0	0.0
SA 0032	1	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0032	3	0 0.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0033	2	2 100.0 %	1 50.0 %	1.0	10.0	0.0	0.0	1.0
SA 0033	2	2 100.0 %	2 100.0 %	2.3	15.0	0.0	0.0	0.0
SA 0034	5	3 60.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0035	5	5 100.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0
SA 0036	5	1 20.0 %	0 0.0 %	0.0	0.0	0.0	0.0	0.0

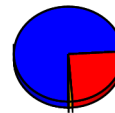
CMMS - Comprehensive Mosquito Management System ©2017 Vector Disease Control International

by REPORT DATE: 7/1/2017 to 7/31/2017

by ACCOUNT: SA

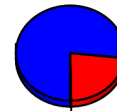
Site ID	Visits	Wet Sites	Dips w/ Larvae	Acres	Vectobac	Vectolex	Altosid	Oil		
SA 0037	5	5	100.0 %	3	60.0 %	1.0	11.0	0.0	0.0	
SA 0038	5	5	100.0 %	4	80.0 %	1.0	9.0	0.0	0.0	0.1
SA 0039	4	4	100.0 %	3	75.0 %	1.8	32.0	0.0	0.0	0.0
SA 0040	1	1	100.0 %	1	100.0 %	0.4	1.0	0.0	0.0	0.0
SA 0040	3	3	100.0 %	3	100.0 %	1.5	30.0	0.0	0.0	0.0
SA 0041	4	3	75.0 %	2	50.0 %	0.2	4.0	0.0	0.0	0.0
SA 0042	4	4	100.0 %	3	75.0 %	0.2	3.0	0.0	0.0	0.1
SA 0043	4	4	100.0 %	2	50.0 %	0.1	0.6	0.0	0.0	0.0
	159	118	74.2 %	67	42.1 %	24.5	339.7	0.0	0.0	1.2

Trap #	Date	Species	Count	Percent
SA-06	LIGHT	Denver	Stapleton Northfield Ponds	
	07/07/2017	Aedes (Oc.) dorsalis	3	2 %
	07/07/2017	Aedes (Oc.) melanimon	3	2 %
	07/07/2017	Aedes (Oc.) trivittatus	1	1 %
	07/07/2017	Aedes vexans	64	53 %
	07/07/2017	Culex pipiens	12	10 %
	07/07/2017	Culex salinarius	1	1 %
	07/07/2017	Culex tarsalis	36	30 %
	07/13/2017	Aedes (Oc.) melanimon	3	1 %
	07/13/2017	Aedes vexans	261	76 %
	07/13/2017	Culex pipiens	23	7 %
	07/13/2017	Culex tarsalis	54	16 %
	07/13/2017	Culiseta inornata	3	1 %
	07/20/2017	Aedes vexans	244	80 %
	07/20/2017	Coquillettidia perturban	1	0 %
	07/20/2017	Culex pipiens	8	3 %
	07/20/2017	Culex tarsalis	46	15 %
	07/20/2017	Culiseta inornata	7	2 %
	07/27/2017	Aedes (Oc.) melanimon	2	2 %
	07/27/2017	Aedes vexans	85	66 %
	07/27/2017	Culex pipiens	26	20 %
	07/27/2017	Culex tarsalis	16	12 %
		Trap Total	899	

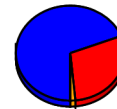


Trap #	Date	Species	Count	Percent
SA-07	LIGHT	Denver	Stapleton F-18 Park	
	07/07/2017	Aedes (Oc.) melanimon	2	3 %
	07/07/2017	Aedes cinereus	2	3 %
	07/07/2017	Aedes vexans	11	17 %
	07/07/2017	Culex pipiens	6	9 %
	07/07/2017	Culex tarsalis	44	68 %
	07/13/2017	Aedes (Oc.) dorsalis	1	0 %
	07/13/2017	Aedes (Oc.) increpitus	1	0 %
	07/13/2017	Aedes (Oc.) melanimon	4	1 %
	07/13/2017	Aedes vexans	329	91 %
	07/13/2017	Culex pipiens	9	2 %
	07/13/2017	Culex tarsalis	16	4 %
	07/20/2017	Aedes (Oc.) dorsalis	1	0 %
	07/20/2017	Aedes (Oc.) melanimon	7	2 %
	07/20/2017	Aedes vexans	285	78 %

Trap #	Date	Species	Count	Percent
	07/20/2017	Culex pipiens	16	4 %
	07/20/2017	Culex tarsalis	52	14 %
	07/20/2017	Culiseta inornata	3	1 %
	07/27/2017	Aedes (Oc.) melanimon	2	1 %
	07/27/2017	Aedes vexans	176	63 %
	07/27/2017	Culex pipiens	42	15 %
	07/27/2017	Culex tarsalis	61	22 %
Trap Total			1,070	

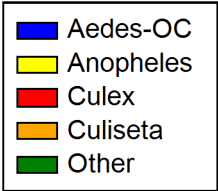
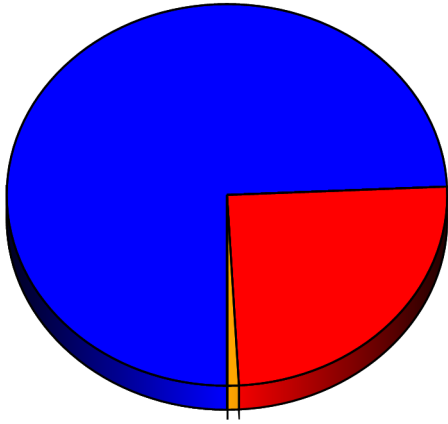


SA-08	LIGHT	Denver	Stapleton Westerly Creek		
		07/07/2017	Aedes (Oc.) increpitus	2	2 %
		07/07/2017	Aedes (Oc.) melanimon	11	14 %
		07/07/2017	Aedes cinereus	1	1 %
		07/07/2017	Aedes vexans	44	54 %
		07/07/2017	Culex tarsalis	19	23 %
		07/07/2017	Culiseta inornata	4	5 %
		07/13/2017	Aedes (Oc.) melanimon	3	1 %
		07/13/2017	Aedes vexans	199	85 %
		07/13/2017	Culex pipiens	12	5 %
		07/13/2017	Culex tarsalis	18	8 %
		07/13/2017	Culiseta inornata	1	0 %
		07/20/2017	Aedes (Oc.) dorsalis	1	1 %
		07/20/2017	Aedes (Oc.) melanimon	3	3 %
		07/20/2017	Aedes vexans	47	46 %
		07/20/2017	Culex salinarius	2	2 %
		07/20/2017	Culex tarsalis	49	48 %
		07/20/2017	Culiseta inornata	1	1 %
		07/27/2017	Aedes vexans	12	24 %
		07/27/2017	Culex pipiens	7	14 %
		07/27/2017	Culex tarsalis	30	60 %
		07/27/2017	Culiseta inornata	1	2 %
Trap Total			467		



Grand Total 2,436

Trap #	Date	Species	Count	Percent
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TOTAL	%
1,810	74 %
0	0 %
605	25 %
20	1 %
1	0 %