

2018 Annual Report

Manager Report

The 2018 year was a good year for us abatement wise. We have now navigated from Abate larviciding granules to a product called VectoMax. This product is a 7 – 28 day wet/dry granule that worked well for us in areas that did not get flooded very often. We found that when an area flooded it wasn't a heavy granule, and so it would drift and not stay in place. This would make it so that we would need to treat an area earlier than we would have liked with another treatment of VectoMax or another product. The other granules, Natular and FourStar, were great at filling in the areas that the VectoMax drifted because of the flooding.

STATISTICS

Mosquitoes trapped and counted: 17,010	VectoMax : 3,764.21 lbs
Total inspections: 1,547	BVA Oil: 158 gallons
Total Treatments: 1,719	FourStar: 441.48 lbs
Abate: 432.75 lbs	Kontrol 30-30 including Diluent oil: 2,013.45 gal
Natular: 169.2 lbs	Truck miles: 45,813 miles
Altosid briquettes: 3,190	ATV miles: 2,823 miles

We started testing positive for the West Nile Virus (WNV) on August 7. The first two traps were found in Hyrum and Benson. The next week, on August 14, the Wellsville trap tested positive and the week after, August 17, Mendon tested positive. By the end of September, we had a total of 15 positive mosquito traps testing positive for the WNV. All of these positive tests were found closer to the south end of Cache Valley with the exception of Benson. We had a total of two horses in the valley test positive and one human case. Overall, it was a busier year with the WNV being found in traps, but we did not have the amount of human cases that were reported the year before. The heat and lack of rain that we had during the summer months made the incubation for the WNV more problematic.

The main goals for the upcoming year are to finish purchasing land and to move forward on the plans for a building. We also have plans for using technology more efficiently, with better data records, and improving it so we can keep our technicians safe.

Richard Rigby
Manager

Administrative Manager Report

Having been with Cache Mosquito Abatement District for close to 2 years now and being not quite such a "new kid" any more, I've settled into a more confident routine. With more experience regarding the timing of various bills and reports as well as the knowledge needed to prepare them, I continue to enjoy my work with the District. I appreciate both Terrie Wierenga as Website Manager and Richard Rigby as Manager, as they continue to offer their valuable expertise to CMAD.

All of the reporting requirements for special districts in Utah have been completed again this year in a timely manner, including posting to the Utah transparency site quarterly. The financial statements review and agreed-upon procedures report was performed by Matt Regen, CPA, in June. He reported CMAD is up to date and in a good financial spot, and we have the necessary internal controls in place to protect against fraud or abuse of monies received.

The first table below shows total employee hours (including manager hours) spent each year doing major tasks, dating back over the past 5 years. The second table shows manager hours for the past 2 years.

TOTAL EMPLOYEE HOURS	2014	2015	2016	2017	2018
Larvicide	1988.00	2175.25	2152.50	2288.75	2264.50
Fogging	1180.00	963.25	1030.50	1047.25	1437.50
Surveillance/Speciation	206.25	206.75	220.25	203.00	239.00
Maintenance	383.50	288.75	288.00	292.25	201.25
Operations Management	223.50	318.75	352.25	446.00	544.50
Admin Management	348.25	304.25	420.25	705.25	603.75
Website Management				68.25	59.50
Surveillance Interns	66.00	74.50	--	--	--
Total Hours	4504.50	4415.25	4549.50	5050.75	5350.00

Manager Hours	2017	2018
Fogging	237.25	43.00
Larviciding	263.25	77.00
Maintenance	237.50	189.25
Managing	446.00	544.50
Speciation	91.25	201.25
Total hours	1,275.25	1,055.00

In summary, I enjoy my work very much as well as my interactions with fellow employees and the board of trustees. As a whole, we are devoted to taking care of mosquito abatement needs for the communities we represent and spending taxpayer monies wisely here in beautiful Cache Valley.

Debbie Mays
Administrative Manager