

To: MMAD Trustees
From: Shanon Amsberry
Subject: June Report
Date: July 8, 2022

Operations continued without a manager and without serious incident.

Weekly surveillance traps had initial risen and then dropped at the beginning of July. There are relatively small amounts of our most common mosquitoes at the sites with the most common being Erythrothorax which rarely moves more than a few hundred feet from the wetlands. Being these mosquitoes were climbing in numbers and there is no responsible way to ULV spray for the adults, we set up a “target” to both introduce the method to Braxton, and to try to bring the numbers down. When I went to retrieve the target, it was missing. Because it was hanging securely from a tree branch, it was likely stolen for either the CO2 bottle or for the regulator.

BGS traps have been set around town in likely areas for Aegypti monitoring and we have yet to see one this season. The traps also indicate that there are very few Culex mosquitoes in that area.

I began research and experimenting with CO2 production using sugar and bread yeast. This is a cheap and easy way to produce CO2 and lasts for several days unlike Dry-Ice or bottled CO2. I used the experiment in my trap demonstration to the Summer Camp children at the MARC as part of the Citizen Scientist project that Michele had begun. I had about twenty children who all seemed to take an interest of both the mosquitoes and how we control them.

I’ve ordered supplies to build Ovi-traps and CO2 generators to assist with our Aegypti efforts.

Braxton and David have been extra busy working long hours cutting trails with the new trimmers. This makes access to some sites much easier and also removes habitat for erythrothorax. The trimers seem to work well for grassy areas but is not suitable for bulrushes.

Bills for approval:

Utah Locals Government Trust (Property)	\$3,310.94			
UTAH TAXPAYERS ASSOCIATION	\$97.50			
Standard Plumbing	\$936.78			
Equipment Maintenance & Supplies		\$95.73		
Special Department Supplies		\$459.11		
Travel				
Best Buy (projector screen)	\$95.79		grant	

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