

SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT

Executive Director's Report

October 2024

1. Personnel:

Personnel	
Staff	Seasonal
12	15

Type of Work	2024	3 - Year Average
Adulticiding	20.00	25.75
Wetlands / Rural	234.75	67.42
Fish Culture	69.00	48.83
Catch Basins / Gutters	10.00	15.08
Tree Holes	0.00	0.00
Prison	13.00	13.25
Service Request	7.50	19.17
Traps	262.25	206.25
Laboratory	469.00	351.42
Office / Administration	834.50	687.08
Equipment Maintenance	256.50	269.33
Facility Maintenance	331.50	249.08
Training	12.25	106.25
Education	161.25	54.50
Unmanned Aerial System	113.50	30.00
CSU Grant	69.25	3.33
Other Grants	Not Recorded	0.00
Other / Errands	81.75	119.50
Comp. Time Used	65.00	95.58
Vacation	189.00	130.50
Additional Hours	0.00	10.17
Holidays	92.00	86.67
Sick Leave	48.00	78.33
Total	3,340.00	2,667.49

2. Office/Lab Activities:

- Laboratory Director Bibbs conducted a conference call with Central Life Sciences regarding Methoprene resistance testing on 1 October 2024.
- Education Specialist Rehbein met with Pakeeza Azizpor for the EntSoc PACT Initiative mentor/mentee program on 1 October 2024.
- CFO Fairbanks attended an HR seminar on 2 October 2024.
- Aerial Operations Supervisor Sorensen and Education Specialist Rehbein attended the USU Aviation Career Fair on 2 October 2024.
- Executive Director Faraji attended a video conference call with Diptera AI regarding sterile insect technique for mosquitoes on 2 October 2024.
- Laboratory Director Bibbs conducted a conference call with Dr. Gabe Hamer from TAMU regarding tick trapping on 2 October 2024.
- Executive Director Faraji and Trustee Mooers met with Utah Department of Public Safety Commissioner Jess Anderson and Colonel Michael Rapich on 2 October 2024 to discuss potential collaborations with helicopter activities.
- Executive Director Faraji and Assistant Director White attended a bi-weekly video conference call on the Mali Mosquito Control Project on 3 October 2024.
- Laboratory Director Bibbs conducted a conference call with Dr. Brad Willenberg from UCFL regarding tick trapping on 3 October 2024.
- Michele Christian and Garrett Tice from the San Diego Vector Control Unit visited the District and stayed in the dormitories on 3-5 October 2024.
- Urban Field Supervisor Salt worked with fish consultant Jake Hill on the front fish tanks on 6 and 13 October 2024.
- Executive Director Faraji and Assistant Director White attended a bi-weekly video conference call for the Rocky and High Plains Vector Borne Center of Excellence on 7 October 2024.
- Education Specialist Rehbein attended an AMCA Media Cause campaign meeting on 1 October 2024.
- Executive Director Faraji attended a conference call for the Entomological Society of America on 7 October 2024.
- Executive Director Faraji and members of staff attended an Owners/Architect/Engineers meeting for Phase II construction on 9 October 2024.
- Education Specialist Rehbein attended an AMCA Media Cause campaign meeting on 9 October 2024.
- Education Specialist Rehbein met with Nate Hawks, an illustrator and exhibit designer, to discuss SLCMAD's front lobby and the process on 9 October 2024.
- Education Specialist Rehbein conducted a facility tour for Dawn Shorts (season Jordyn Aldrich mother) on 11 October 2024.
- Education Specialist Rehbein met with Carlynn Christian, SLC School District K-12 Sustainability Coach, on site to see SLCMAD's pollinator garden space and ways to continue collaborating on 15 October 2024.
- Personnel from the Utah State Department of Public Safety stayed in the dormitories on 9-17 October 2024.
- Executive Director Faraji and members of staff met with neighbors to the north of the District in regards to join fence cost options on 9 October 2024.
- Executive Director Faraji, members of staff (White, Sorensen, Rehbein, Bibbs, Byers), and trustees Mooers, Turner, Vickers attended and presented at the Salt Lake City Council Work Session regarding the tax increase on 15 October 2024.
- Laboratory Director Bibbs conducted a conference call with Livy Williams from the USDA-ARS-REE on 15 October 2024.

- Laboratory Director Bibbs conducted a conference call with Teton County Weed and Pest on 15 October 2024.
- Education Specialist Rehbein met with Kelsey Mitchell from TCWP to discuss progress on the Western IPM Center grant projects on 15 October 2024.
- Molecular Biologist Byers hosted Tim Alexander and Rachel Larson from Agilent on 16 October 2024.
- Education Specialist Rehbein attended a meeting with members of UPHE (Craig Wallentine, Dr. Brian Moench, Jonny Vasic), Utah Prisoner Advocate Network (Molly Prince, Karen Thompson, Heidi Kubbe), UDC (Dir. Randall Honey, Karen Tapahe, Shawn Anderson), Tena Rohr (GSLA), and Larry Dean (Stop the Inland Port) to discuss the mosquito/biting insect efforts being done on 16 October 2024.
- Executive Director Faraji and Assistant Director White attended a bi-weekly video conference call on the Mali Mosquito Control Project on 17 October 2024.
- Education Specialist Rehbein attended the monthly JRC TAC meeting on 17 October 2024.
- Aerial Operations Supervisor Sorensen passed his biennial flight review on 17 October 2024.
- CFO Fairbanks attended a required Utah Association of CPA's Ethics and Utah Law seminar on 18 October 2024.
- Education Specialist Rehbein attended a PacVec Fall Seminar on 22 October 2024.
- Executive Director Faraji and Assistant Director White attended a bi-weekly video conference call for the Rocky and High Plains Vector Borne Center of Excellence on 21 October 2024.
- Laboratory Director Bibbs conducted a presentation for the Pacific Southwest Center of Excellence in Vector Borne Diseases on 22 October 2024.
- Education Specialist Rehbein met with Pakeeza Azizpor for the EntSoc PACT Initiative mentor/mentee program on 24 October 2024.
- Aerial Operations Supervisor Sorensen and members of staff attended an Owners/Architect/Engineers meeting for Phase II construction on 23 October 2024.
- Aerial Operations Supervisor Sorensen conducted auto rotation practice at Universal Helicopters on 24 October 2024.
- Education Specialist Rehbein met with Julie Williams, Event and Volunteer Manager, from the JRC to discuss how we can collaborate on 24 October 2024.
- Education Specialist Rehbein participated in the STEM Night at Taylorsville Elementary on 24 October 2024.
- CFO Fairbanks attended a seminar from Intermountain Professional Education on SEP's, SIMPLEs, Solo 401 (k)'s, Cash Balance, and 412(e)(3) DB plans on 24 October 2024.
- Education Specialist Rehbein presented to a combined group of 5th graders at Oakwood Elementary on 25 October 2024.
- Aerial Operations Supervisor Sorensen conducted onsite meetings with RMP and Eckman on 25, 28 October 2024.
- Professor Brad Willenberg from University of Central Florida and Dr. Ruide Xue from Anastasia Mosquito Control District and current AMCA President visited the District and stayed in the dormitories on 27-28 October 2024.
- Members of staff (Bibbs, Byers, Fairbanks, Rehbein, White), trustees (Barth, Mooers, Vickers), and seasonals (Furness, Jamison) attended and presented at the annual Utah Mosquito Abatement Association annual conference in St. George, Utah on 28-30 October 2024.
- Aerial Operations Supervisor Sorensen started Robinson R66 turbine transition training on 30 October 2024.

- Laboratory Director Bibbs conducted a conference call with the Wasatch Beekeepers on 31 October 2024.

3. Shop/Field/Dormitory Activities:

- Field operations have ended for the year.
- Winter maintenance continues.
- Remaining seasonal staff will be rotated for remainder of year.

4. Field Data:

Control:

ACRES TREATED

	Adulticide		Larvicide		Total
	Ground	Aerial	Ground	Aerial	
October's Total	0.00	5,120.00	211.50	0.00	5,331.50
Oct's 3 Year Avg.	484.79	8,533.33	5.60	0.00	9,023.72

Service Requests:

MOSQUITO SERVICE OPPORTUNITIES RECEIVED BY MONTH

	March	April	May	June	July	Aug.	Sept.	Oct.	Total
2024	5	17	30	34	32	11	10	4	143
3-Year Avg.	3.67	10.33	29.67	42.00	33.00	22.33	12.67	20.33	174.00

Inspection and Surveillance:

Larval Collections		
Species	October	5-Year Average
<i>Ae. campestris</i>	0	0
<i>Ae. dorsalis</i>	4	0
<i>Ae. fitchii</i>	0	0
<i>Ae. increpitus</i>	0	0
<i>Ae. nigromaculis</i>	0	0
<i>Ae. niphadopsis</i>	0	0
<i>Ae. sierrensis</i>	0	0
<i>Ae. melanimon</i>	0	0

<i>Ae. varipalpus</i>	0	0
<i>Ae. vexans</i>	0	0
<i>Cx. erythrothorax</i>	3	0
<i>Cx. pipiens</i>	2	1.8
<i>Cx. tarsalis</i>	2	4.8
<i>Cx. impatiens</i>	0	0
<i>Cs. incidens</i>	1	0.8
<i>Cs. inornata</i>	4	0.6
<i>An. freeborni</i>	0	0
Total	16	8.0

5. Weather:

October's weather was warmer (by 7.8°) and drier (by 0.47") than normal.

Temperature:

	Monthly Avg.	Normal	High	Low
September	73.2°	68.4°	97°	50 °
October	62.4°	54.6°	92°	36 °

<https://www.weather.gov/wrh/Climate?wfo=slc>

Precipitation:

	Total for Month	Normal	Most in 24 hours
September	0.43"	1.06"	0.27" on 17 th
October	0.79"	1.26"	0.51" on 17 th

<https://www.weather.gov/wrh/Climate?wfo=slc>

Great Salt Lake (elevation in feet above sea level):

	Sep 1	Oct 1	Nov 1
2023	4,192.6	4,192.3	4,192.1
2024	4,192.9	4,192.5	4,192.2

<https://waterdata.usgs.gov/monitoring-location/10010000/#parameterCode=62614&period=P7D&showMedian=true>