

SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT

Executive Director's Report

September 2024

1. Personnel:

Personnel	
Staff	Seasonal
12	16

Type of Work	2024	3 - Year Average
Adulticiding	15.25	42.17
Wetlands / Rural	519.00	396.42
Fish Culture	151.00	52.08
Catch Basins / Gutters	102.00	79.33
Tree Holes	2.00	0.00
Prison	7.75	9.58
Service Request	24.00	22.42
Traps	353.00	291.75
Laboratory	606.00	404.92
Office / Administration	832.50	696.75
Equipment Maintenance	230.75	182.92
Facility Maintenance	283.75	168.17
Training	96.75	40.33
Education	195.75	52.17
Unmanned Aerial System	133.50	69.08
CSU Grant	13.50	0.00
Other Grants	Not Recorded	0.00
Other / Errands	95.25	148.58
Comp. Time Used	118.00	32.25
Vacation	47.50	75.75
Additional Hours	0.00	28.92
Holidays	96.00	82.67
Sick Leave	54.00	51.67
Total	3,977.25	2,927.92

2. Office/Lab Activities:

- Laboratory Director Bibbs provided an orientation to Science and Research Initiative student at the University of Utah James Clanton on 3 September 2024.
- Education Specialist Rehbein met with Kariann Atkin from the Big Brothers and Sisters of Utah to discuss ways to collaborate on 3 September 2024.
- Education Specialist Rehbein and Laboratory Director Bibbs conducted their immunizations and travel consult on 4 September 2024.
- Executive Director Faraji, Assistant Director White, CFO Fairbanks, Trustee Mooers, and Aerial Operations Supervisor Sorensen attended an Owner/Architect/Engineers construction meetings on 4 September 2024.
- Executive Director Faraji, Assistant Director White, and CFO Fairbanks met with District Attorney Rachel Anderson on 5 September 2024.
- Executive Director Faraji and Assistant Director White attended a video conference call for the Mali Mosquito Control Project on 5 September 2024.
- Laboratory Director Bibbs conducted a conference call with Ella Branham, former SLCMAD seasonal and current master's student at Southern Mississippi University regarding plant-mosquito interactions on 6 September 2024.
- Molecular Biologist Byers visited the UT Department of Health on 6 September 2024 to learn more about extracting nucleic acids from aqueous samples.
- Education Specialist Rehbein conducted the first Distric BioBlitz in collaboration with the Utah Natural History Museum on 8 September 2024 at District facilities. She was joined by Executive Director Faraji, Molecular Biologist Byers, and many seasonals. Over 25 members of the public also attended and participated. They were also provided a tour of District facilities. Data from the survey has been published on iNaturalist.
- Education Specialist Rehbein attended a webinar for the PACT Program through the Entomological Society of America on 9 September 2024.
- Education Specialist Rehbein attended a call with AMCA Media Cause on 9 September 2024.
- Executive Director Faraji conducted a video conference call with a student from Iran (Zahra Saeidi) on 9 September 2024 who is looking for a post-doc position.
- Executive Director Faraji and Assistant Director White attended a video conference call with the Rocky and High Plains Vector-Borne Diseases Center on 9 September 2024.
- CFO Fairbanks successfully passed her official notary exam on 9 September 2024.
- Executive Director Faraji, Assistant Director White, and Aerial Operations Supervisor Sorensen attended an Owner/Architect/Engineers construction meetings on 10 September 2024.
- Education Specialist Rehbein attended a webinar for a bee grant program through the Bee Cause Project and Whole Kids program on 11 September 2024.
- Education Specialist Rehbein met and provided a tour to Evelyn Acosta, a local SLCC student interested in the State Prison fish program on 11 September 2024.
- CFO Fairbanks and IT/GIS Specialist Dewsnap met with Bart Tingey from Canon Solutions to discuss printer/copier contracts on 11 September 2024.
- Molecular Biologist Byers attended a bi-weekly conference call on arboviral diseases in Utah on 12 September 2024.
- CFO Fairbanks attended a seminar on Communications Skills for Women to acquire some required continuing professional education credits for her CPA license on 12 September 2024.
- Education Specialist Rehbein provided a tour of the District to Orion, a student at SLCSE, on 13 September 2024. Orion has been working with seasonal Jordyn Aldrich.

- A safety meeting was conducted on 13 September 2024. Laboratory Director Bibbs and Molecular Biologist Byers presented data on surveillance and virus activity.
- Laboratory Director Bibbs conducted a conference call with Central Life Sciences regarding a joint collaborative project on 13 September 2024.
- Executive Director Faraji and Assistant Director White attended a video conference call with the Utah Mosquito Abatement Association on 13 September 2024.
- Executive Director Faraji attended a video conference call with the Centers for Disease Control on 13 September 2024.
- Molecular Biologist Byers successfully submitted a grant proposal to the AMCA Research Foundation on environmental DNA on 16 September 2024.
- Education Specialist Rehbein and Urban Field Supervisor Salt attended and represented the District the Mountain America Expo Center for the Utah Stem Fest on 16 September 2024.
- Molecular Biologist Byers attended and presented at the Society for Vector Ecology meetings in Ft. Collins, Colorado on 16-19 September 2024.
- Education Specialist Rehbein attended and represented the District at the Utah Stem Fest at the Mountain America Expo Center on 17-18 September 2024.
- Executive Director Faraji attended a video conference call with Professor Don Yee from Southern Mississippi University on 17 September 2024.
- Executive Director Faraji, Assistant Director White, Laboratory Director Bibbs, and Aerial Operations Supervisor Sorensen attended construction meetings on 18 September 2024.
- Executive Director Faraji and Assistant Director White attended a video conference call for the Mali Mosquito Control Project on 19 September 2024.
- Laboratory Director Bibbs attended a Rowland Hall Community Engagement Event on 19 September 2024.
- Laboratory Director Bibbs conducted a conference call with Central Life Sciences regarding a joint collaborative project on 19 September 2024.
- CFO Fairbanks Set up an account with the National Association of State Boards of Accountancy (NASBA) and watched webinar on NASBA and how to report CPE hours. (Utah has now joined NASBA in order to provide uniformity and common accounting practices among boards of accountancy across the country. This was completed on 20 September 2024.
- USDA employee Dr. Ed Norris visited the District on 20 September 2024 to discuss joint collaborative projects on 20 September 2024.
- Executive Director Faraji and Assistant Director White attended a video conference call with the Rocky and High Plains Vector-Borne Diseases Center on 23 September 2024.
- Executive Director Faraji, Assistant Director White, and Aerial Operations Supervisor Sorensen attended an Owner/Architect/Engineers construction meetings on 24 September 2024.
- Laboratory Director Bibbs and Molecular Biologist Byers conducted a conference call with Dr. Lee Cohnstaedt from the USDA in regards to a yeast/carbon dioxide review manuscript on 25 September 2024.
- Education Specialist Rehbein met with Emily Booth and Kristen Healy to discuss AMCA L&R planning subcommittee tasks on 26 September 2024.
- Laboratory Director Bibbs conducted a conference call with Megan Saunders from the CA Department of Health regarding a Pac Vec webinar on 26 September 2024.
- Education Specialist Rehbein provided a tour to Jessica Wooleey and Peter Eckhardt from the Loveland Living Planet Aquarium on 26 September 2024. They also discussed potential collaborations.

- Executive Director Faraji, IT/GIS Specialist Dewsnap, and Urban Field Supervisor Salt met with Todd Barszac and Chris Crane from the Department of Corrections regarding the collaborative fish project on 27 September 2024 at the District.
- Executive Director Faraji conducted his annual Ogden Airport badging certification on 27 September 2024.
- Education Specialist Rehbein, lead by Seasonal Jordyn Aldrich, organized an organic gardening class from the University of Utah to visit the District and volunteer and assist with planting more native vegetation through the Utah Pollinator Habitat Program on 27 September 2024.
- Executive Director Faraji attended a video conference call for the leadership team of the Northeast Vector-Borne Disease Training and Evaluation Center on 30 September 2024.
- Executive Director Faraji and Assistant Director White attended a video conference call with the Rocky and High Plains Vector-Borne Diseases Center on 30 September 2024.
- Molecular Biologist Byers attended a bi-weekly conference call on arboviral diseases in Utah on 26 September 2024.
- RJ Buchmiller, Utah National Guard, conducted an internship with the District starting on 26 September 2024. He mainly shadowed Maintenance Supervisor Feragen in regards to equipment and facilities maintenance, but was also able to go into the field for a day.
- Laboratory Director Bibbs attended a video conference call on Insecticide Resistance Working Group on 30 September 2024.
- Education Specialist Rehbein provided a tour of the District to Evelyn Acosta from SLCC on 30 September 2024.

3. Shop/Field/Dormitory Activities:

- Field operations are continuing with the ongoing heat spell. Mosquito activity continues to remain high.
- Truck-mounted ULV and aerial adulticide applications continue.
- Barrier application treatments have been conducted primarily on the west side in response to adult mosquito numbers.
- UAS (drone) applications continue. Sam Wilson, seasonal UAS employee, continues to come in a part time basis to assist with these applications.
- Equipment/facility winter maintenance has begun.

4. Field Data:

Control:

ACRES TREATED

	Adulticide		Larvicide		Total
	Ground	Aerial	Ground	Aerial	
September's Total	694.00	29,355.00	733.30	1,686.00	32,468.30
Sep's 3 Year Avg.	1,458.13	37,262.33	399.76	880.33	42,483.79

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		139
3-Year Avg.	3.67	10.33	29.67	42.00	33.00	22.33	12.67	20.33	174.00

Inspection and Surveillance:

<i>Larval Collections</i>		
<i>Species</i>	<i>August</i>	<i>5-Year Average</i>
<i>Ae. campestris</i>	0	0
<i>Ae. dorsalis</i>	30	23.2
<i>Ae. fitchii</i>	0	0
<i>Ae. increpitus</i>	0	0
<i>Ae. nigromaculis</i>	0	0.6
<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>	1	0.2
<i>Cx. erythrothorax</i>	8	0.4
<i>Cx. pipiens</i>	17	11.6
<i>Cx. tarsalis</i>	49	49.6
<i>Cx. impatiens</i>	0	0
<i>Cs. incidens</i>	1	6
<i>Cs. inornata</i>	14	6.6
<i>An. freeborni</i>	1	1
Total	121	99.2

5. Weather:

September's weather was warmer (by 4.8°) and drier (by 0.64") than normal.

Temperature:

	Monthly Avg.	Normal	High	Low
August	80.0°	79.1°	104°	54 °
September	73.2°	68.4°	97°	50 °

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

Precipitation:

	Total for Month	Normal	Most in 24 hours		
August	1.15"	0.58"	0.40"	on	12 th
September	0.43"	1.06"	0.27"	on	17 th

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

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

	Aug 1	Sep 1	Oct 1
2023	4,193.2	4,192.6	4,192.3
2024	4,193.6	4,192.9	4,192.5

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



LOUISIANA
MOSQUITO CONTROL
ASSOCIATION

67th Annual Conference

December 10-12, 2024 in New Orleans

Where? Hilton New Orleans Riverside
2 Poydras St., New Orleans, LA 70130

Registration opens September 9th, 2024

Presenters:

Paper submissions can be submitted from
September 9th to November 15th!

Keynote Speaker:
Ary Faraji, Ph.D.



Gulf South V.E.C.T.O.R. Travel
Assistance Application



First time attendees & Students:
Apply here for a travel stipend
to attend LMCA 2024 Annual Meeting!



IMVCA

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Monday, September 30, 2024

Dear Michele,

On behalf of the Illinois and Mosquito Vector Control Association, I would like to invite you to speak at the IMVCA annual meeting this November. The IMVCA is a group of academics, researchers, public health professionals, and vector control specialists, and our mission is to provide leadership, information and education concerning the suppression of mosquito and other vectors of public health importance and the diseases they carry.

We would be interested in hearing a talk about any research you conduct or about your current role as the Education Specialist. You will have a 15-minute time slot, please plan to speak for 12-13 minutes and leave 2 minutes for questions and transitioning to the next speaker.

The IMVCA annual meeting will be held November 21st & 22nd, 2024 at the President Abraham Lincoln Springfield DoubleTree Hotel in Springfield, IL. All guest speakers receive complimentary registration, which covers attendance to the conference, lunch on Thursday, and the dinner banquet on Thursday.

Please reach out to Kristina (klopez@nsmad.org) or the general IMVCA email (IMVCAinbox@gmail.com) if you have any questions or concerns.

Kristina Lopez, PhD

IMVCA Vice-President

www.imvca.org