

**AGENDA**  
1081<sup>st</sup> MEETING OF THE BOARD OF TRUSTEES  
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT  
JULY 8TH, 2020

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TIME: 5:00 P.M.  
PLACE: Teleconference Only, **see below**  
TRUSTEES: Wendi Poulson President, City of Alameda  
P. Robert Beatty, Vice-President, City of Berkeley  
Betsy Cooley, Secretary, City of Emeryville  
Cathy Roache, County-at-Large  
Shawn Kumagai, City of Dublin  
George Young, City of Fremont  
Elisa Márquez, City of Hayward  
James N. Doggett, City of Livermore  
Eric Hentschke, City of Newark  
Jan O. Washburn, City of Oakland  
Andrew Mingst, City of Piedmont  
Julie Testa, City of Pleasanton  
Victor Aguilar, City of San Leandro  
Subru Bhat, City of Union City

1. Call to order.
2. Roll call.
3. President Poulson invites any member of the public to speak at this time on any issue relevant to the District. (Each individual is limited to three minutes).
4. Approval of the minutes of the 1080<sup>th</sup> meeting held June 10<sup>th</sup>, 2020 (**Board action required**)
5. Invasive Aedes Response Plan Update (Information only).
6. Financial Reports as of June 30<sup>th</sup>, 2020: (Information only).
  - a. Check Register
  - b. Income Statement
  - c. Investments, reserves, and cash report
  - d. Balance Sheet
7. Presentation of the Monthly Staff Report (Information only).
8. Presentation of the Manager's Report (Information only).
  - a. Staff Anniversary
  - b. Proposed policy updates currently under review by ACMAD's Employee Association
  - c. LAFCo annexation application update
9. Board President asks for reports on conferences and seminars attended by Trustees.
10. Board President asks for announcements from members of the Board.

11. Board President asks trustees for items to be added to the agenda for the next Board meeting.

12. Adjournment.

RESIDENTS ATTENDING THE MEETING MAY SPEAK ON ANY AGENDA ITEM AT THEIR REQUEST.

**Please Note: Board Meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact Ryan Clausnitzer at least 48 hours before the meeting at 510-783-7744 or [acmad@mosquitoes.org](mailto:acmad@mosquitoes.org).**

**IMPORANT NOTICE REGARDING COVID-19 AND TELECONFERENCED MEETINGS:**

Based on the mandates by the Governor in Executive Order 33-20 and the County Public Health Officer to shelter in place and the guidance from the CDC, to minimize the spread of the coronavirus, please note the following changes to the District's ordinary meeting procedures:

- The District offices are not open to the public at this time.
- The meeting will be conducted via teleconference using Zoom. (See Executive Order 29-20)
- All members of the public seeking to observe and/or to address the local legislative body may participate in the meeting telephonically or otherwise electronically in the manner described below.

**HOW TO OBSERVE THE MEETING:**

**Telephone:** Listen to the meeting live by calling Zoom at **(669) 900-6833**

Enter the **Meeting ID#** 870 3988 8067 followed by the pound (#) key.

**Computer:** Watch the live streaming of the meeting from a computer by navigating to <https://us02web.zoom.us/j/87039888067>

**Mobile:** Log in through the Zoom mobile app on a smartphone and enter **Meeting ID#** 870 3988 8067

**HOW TO SUBMIT PUBLIC COMMENTS:**

**Before the Meeting:** Please email your comments to [acmad@mosquitoes.org](mailto:acmad@mosquitoes.org), write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. If you would like your comment to be read aloud at the meeting (not to exceed three minutes at staff's cadence), prominently write "Read Aloud at Meeting" at the top of the email. All comments received before 12:00 PM the day of the meeting will be included as an agenda supplement on the District's website under the relevant meeting date and provided to the Trustees at the meeting. Comments received after this time will be treated as contemporaneous comments.

**Contemporaneous Comments:** During the meeting, the Board President or designee will announce the opportunity to make public comments and identify the cut off time for submission. Please email your comments to [acmad@mosquitoes.org](mailto:acmad@mosquitoes.org), write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. Once the public comment period is closed, all comments timely received will be read aloud at the meeting (not to exceed three minutes at staff's cadence). Comments received after the close of the public comment period will be added to the record after the meeting.

## MINUTES

### 1080<sup>th</sup> MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

June 10<sup>th</sup>, 2020

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TIME: 5:00 P.M.  
PLACE: *Zoom Teleconference Only*  
TRUSTEES: Wendi Poulson, President, City of Alameda  
P. Robert Beatty, Vice-President, City of Berkeley  
Betsy Cooley, Secretary, City of Emeryville  
Cathy Roache, County-at-Large  
Shawn Kumagai, City of Dublin  
George Young, City of Fremont  
Elisa Marquez, City of Hayward  
James N. Doggett, City of Livermore  
Eric Hentschke, City of Newark  
Jan O. Washburn, City of Oakland  
Andrew Mingst, City of Piedmont  
Julie Testa, City of Pleasanton  
Victor Aguilar, City of San Leandro  
Subru Bhat, City of Union City

1. Board President Poulson called the regularly scheduled board meeting to order at 5:03 P.M.
2. Trustees Poulson, Beatty, Cooley, Roache, Kumagai, Young, Marquez, Doggett, Hentschke, Washburn, Mingst, Testa, Aguilar and Bhat were present on the Zoom conference.
3. Board President Poulson invited members of the public to speak on any issue relevant to the District. UC Berkeley MPP/MPH Candidate Emily Estus was present to give a presentation on agenda item 11. IT Director Robert Ferdan was on the teleconference call for technical support. Vector Biologist Jeremy Sette was present to record the minutes. No public comments were submitted prior or during the meeting.
4. Introduction of new Board member Mr. Andrew Mingst, representing the city of Piedmont.  
**Discussion:**  
Board President Poulson and the General Manager welcomed the new Piedmont Trustee, Mr. Andrew Mingst, who introduced himself.
5. Approval of minutes of the 1079<sup>th</sup> meeting held May 13<sup>th</sup>, 2020.  
**Motion:** Trustee Doggett moved to approve the minutes  
**Second:** Trustee Washburn  
**Vote:** motion carries: unanimous.
6. Public Hearing on the proposed tax rate.  
**Discussion:**

The General Manager explained the proposed tax rate and did not receive any questions or comments.

7. Resolution 1080-1, a resolution ordering the levy of assessments for fiscal year 2020-21 for the Alameda County Mosquito Abatement District Mosquito and Disease Control Assessment  
**Motion:** Trustee Washburn moved to approve Resolution 1080-1  
**Second:** Vice-President Beatty  
**Vote:** motion carries: unanimous
8. LAFCo (Local Agency Formation Commission) Special District Regular Seat Election Wednesday, July 8<sup>th</sup>, 2020.  
**Motion:** Trustee Beatty moved to nominate incumbent Ralph Johnson of Castro Valley Sanitary District for the Special District Alternate Seat  
**Second:** Trustee Bhat  
**Vote:** motion carries: unanimous.
9. Closed session to discuss the General Manager's twelve-month evaluation pursuant to Government Code Section 54957.6
10. Compensation recommendation of General Manager Ryan Clausnitzer based on a recommendation from the Manager Evaluation Committee and according to employee contract  
**Discussion:**  
The Board came out of closed session with unanimous approval for the 2020-2021 General Manager's employment contract which includes a 4% salary increase, a \$250/month vehicle stipend, and continuation of other benefits.
11. Presentation by UC Berkeley MPP/MPH Candidate Emily Estus: Equitable and Effective Practices for Mosquito Abatement in Alameda County: Challenges and Solutions  
**Discussion:**  
The General Manager gave a brief introduction of UC Berkeley MPP/MPH Candidate Emily Estus and a background to her project. Estus presented her paper and fielded the following discussion. President Poulson commented that she appreciated the homelessness outreach aspect of the presentation and asked if there was a copy of the presentation available (the General Manager answered that he would share the paper with Board members and share the contact info of Estus). Trustee Marquez commented that the project was impressive and asked about clarification about what items were recommended to be handed to homeless (mosquito repellent). Trustee Marquez also asked what the next step ACMAD had in mind to address issues brought up in the project (the General Manager answered that staff has already used the Estus report leading to reevaluations of District programs such as outreach events, lab trap placements, translated outreach materials, and dedicated outreach staff). Trustee Marquez suggested looking into other common non-English languages for outreach translation.
12. Report on planned policy update to section 300 on working conditions for ACMAD Policy Committee.  
**Discussion:**  
The General Manager reported on upcoming updates to section 300 on working conditions for review by the ACMAD Policy Committee. The General Manager encouraged any members to reach out for comments or questions.
13. District office planned reopening to all staff on June 1<sup>st</sup> delayed to June 2<sup>nd</sup>, due to civil unrest.  
**Discussion:**  
The General Manager reported on reaching out to staff on March 31<sup>st</sup> encouraging staff to not come into work on June 1<sup>st</sup> due to civil unrest.

14. Presentation of the Financial Reports as of May 31<sup>st</sup>, 2020.

**Discussion:**

The General Manager presented the Financial Reports as of May 31<sup>st</sup>, 2020 and fielded the following discussion. Vice-President Beatty and Trustee Washburn both commented on how they were pleased with the new Balance Sheet explanation report.

15. Presentation of the Monthly Staff Report.

**Discussion:**

The General Manager presented the Monthly Staff Report.

16. Presentation of the Manager's Report.

**Discussion:**

The General Manager presented the Manager's Report and fielded the following discussion. Vice-President Beatty and Trustee Washburn volunteered to assist the General Manager with finding a new trustee in Albany.

17. Board President Poulson asked for reports on conferences and seminars attended by Trustees. None.

18. Board President Poulson asked for announcements from the Board. None.

19. Board President Poulson asked trustees for items to be added to the agenda for the next Board meeting. None.

20. The meeting adjourned at 6:58 P.M.

**Respectfully submitted,**

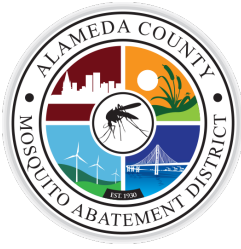
Approved as written and/or corrected  
at the 1081<sup>st</sup> meeting of the Board of  
Trustees held July 8<sup>th</sup>, 2020

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Wendi Poulson, President  
BOARD OF TRUSTEES

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Betsy Cooley, Secretary  
BOARD OF TRUSTEES



## Board of Trustees

### *President*

Wendi Poulson

### **Alameda**

### *Vice-President*

Robert Beatty

### **Berkeley**

### *Secretary*

Betsy Cooley

### **Emeryville**

Cathy Roache

### **County at Large**

Shawn Kumagai

### **Dublin**

George Young

### **Fremont**

Elisa Márquez

### **Hayward**

James N. Doggett

### **Livermore**

Jan O. Washburn

### **Oakland**

Eric Hentschke

### **Newark**

Andrew Mingst

### **Piedmont**

Julie Testa

### **Pleasanton**

Victor Aguilar

### **San Leandro**

Subru Bhat

### **Union City**

### **Ryan Clausnitzer**

*General Manager*

## Invasive *Aedes* Mosquito Response Plan

June 2020

### 1. Overview

The purpose of this document is to guide the Alameda County Mosquito Abatement District (ACMAD) in responding to invasive container breeding mosquitoes, *Aedes aegypti* (yellow fever mosquito) and *Aedes albopictus* (tiger mosquito), that have the potential to breed and become established in Alameda County (County). These two species of mosquito are known to transmit arboviruses that cause dengue, chikungunya, yellow fever, and Zika in people. Plans are needed to survey the County for invasive *Aedes*, confirm the identification of a mosquito specimen as an invasive *Aedes*, and act to limit the dispersal of invasive *Aedes* in the County. Because the breeding, dispersion, and control of invasive *Aedes* mosquitoes differ substantially from that of mosquito species which transmit West Nile virus, a distinct response plan is needed for invasive *Aedes*. The ACMAD Invasive *Aedes* Mosquito Response Plan that is outlined herein was developed using the California Department of Public Health (CDPH) "Guidance for Surveillance of and Response to Invasive *Aedes* Mosquitoes and Locally Acquired Exotic Mosquito-borne Infections Transmitted by These Mosquitoes in California" published in June 2014 and revised April 2020, response plans published by other vector control entities, and knowledge of the environmental factors that drive mosquito abundance in Alameda County. This plan supplements the mosquito control and surveillance activities that are described in the ACMAD Mosquito-Borne Arbovirus Response Plan.

### 2. Annual Training

Training will focus upon invasive mosquito species currently present in California. Field Staff will be trained to:

- Identify all life stages of invasive mosquito species.
- Have knowledge of the biology and ecology of invasive mosquito species and of the arboviruses they transmit.
- Be current on latest surveillance and control methods used for invasive mosquitoes in California.

Office staff will be trained to:

- Ask appropriate questions for reports of biting mosquitoes and recognize when the information provided warrants creating a Service Request for the site to be inspected by ACMAD Operations staff.

### 3. Pre-Detection of Invasive *Aedes* Mosquito Response Plan

- Aedes Surveillance.** Oviposition traps are placed throughout Alameda County, with a focus on sites where invasive *Aedes* mosquitoes are more likely to be introduced or have habitats that are more supportive of *Aedes* mosquito breeding (e.g. cemeteries, nurseries, US Customs inspection sites). The contents of traps that attract adult mosquitoes will be examined for invasive *Aedes* mosquitoes.
- Service Requests.** If a Service Request indicates daytime biting mosquitoes, and a native *Aedes* mosquito sample is not provided, Operations Staff will inspect the site for all life stages of invasive *Aedes* mosquitoes. If multiple Service Requests for daytime biting mosquitoes are made in the same area (radius of 1000 feet or 15 households), two ACMAD field staff should be present to inspect each site.
- Human Case Surveillance.** When local public health agencies notify ACMAD of a suspected case of invasive mosquito-vector disease, Lab Staff may place mosquito traps near to where the individual resided while they were potentially viremic.
- Public Outreach.** The goal is to educate the community on the differences between invasive *Aedes* and mosquitoes that are native to Alameda County. The focus is on prevention and detection by encouraging residents to reduce potential invasive *Aedes* breeding sources, and to report daytime biting mosquitoes to ACMAD.

### 4. Plan for Confirmation of an Invasive *Aedes* Mosquito in the County

- Mosquito Specimen Documentation.** ACMAD Staff that collect mosquito specimens that are suspected to be invasive *Aedes* will document where the specimen was collected (address or GPS coordinates are required), the date and time of collection, and the name of the Staff that collected the specimen.
- Mosquito Sample Transport.** All suspected invasive *Aedes* specimens will be transported to ACMAD for identification. Suspected adult invasive mosquitoes that are collected by Staff should be immediately killed without damaging the specimen and subsequently placed into a container for transport to ACMAD for identification. Larval specimens should be collected in a specimen container using the water in which the larvae were found, and efforts made to keep the specimens alive. Suspected invasive *Aedes* eggs should be collected in a manner that does not damage or desiccate the eggs, preferably by placing the container that contains the eggs into a moistened plastic bag for transport.
- Identification of Suspected Invasive *Aedes*.** ACMAD Staff will identify the specimen using taxonomic keys and verified photographs of invasive *Aedes* and local mosquito species. If the specimen keys to an invasive *Aedes*, two additional ACMAD Staff members having extensive expertise in identifying mosquitoes will independently confirm the identification (e.g. Laboratory Director, Vector Scientist, Regulatory & Public Affairs Director, or Operations Supervisor).

- D. **External Confirmation of Invasive *Aedes*.** If ACMAD Staff members concur that the specimen is likely invasive *Aedes*, external experts will be consulted for confirmation. All specimens will be photographed before being transported for external confirmation. Eggs will be sent to the UC Davis Arbovirus Research and Training (DART) facility for identification. Larvae should be reared to adult in a contained insectary and identified to species. For adults, the Supervising Public Health Biologist and Senior Public Health Biologist for Alameda County at CDPH will be advised of the identification. The specimens may be preserved for genotype analysis.

## 5. Post-Detection of Confirmed Invasive *Aedes* Mosquito Response Plan

- A. **Confirmed Invasive *Aedes*.** If CDPH or DART confirms the identification of a specimen as an invasive *Aedes*, the Public Health Emergency Committee of the ACMAD Board of Trustees, nearby Mosquito Abatement and Vector Control agencies, local public health departments, and the Emergency Operations Center (EOC) for each affected and nearby city will be notified. A press release will be distributed to the ACMAD Board of Trustees, the media, and local agencies to inform the public of the detection. Requests may be made of mosquito Districts with established mutual aid agreements for material, equipment, or labor.
- B. **Mosquito Control Response.** The broad goal of the Mosquito Control Response is to limit the intensity and geographic distribution of invasive *Aedes*. All equipment that leave an area with invasive *Aedes* should first be inspected and mosquitoes of all life stages removed (interior and exterior of the vehicle). Collected mosquito specimens will be placed within sealed containers before leaving the infested area to prevent the spread of mosquitoes. Residents where inspections are made should be provided with outreach materials, and have their questions answered by ACMAD Staff.
- i. **Catch Basin Treatment.** Catch basins in and around the area having invasive *Aedes* will be treated to reduce the abundance of all mosquitoes in the area.
  - ii. **Outside of the Invasive *Aedes* Response Area.** Field Staff will treat native mosquito breeding sources and respond to service requests, although potentially at reduced intervals to permit increased staffing in the invasive *Aedes* Response Area.
  - iii. **Inspection and Treatment Inside the Invasive *Aedes* Response Area.** Field Staff should work as groups that include a Vector Biologist, Vector Scientist or Mosquito Control Technician. Each group forms a field invasive *Aedes* response team, which will inspect and sanitize properties within the invasive *Aedes* Response Area, and educate residents on how to eliminate potential breeding sources. As invasive *Aedes* mosquito habitats are difficult to access, broadcast insecticide applications via WALS, aerosolizer or truck-mounted foggers may be used to suppress immature and adult stages. Non-*Aedes* breeding sources will be treated within the invasive *Aedes* Response Area to reduce overall mosquito abundance. Home Invasive *Aedes* Surveillance Kits may be provided to residents within the invasive *Aedes* Response Areas. Instructions included with the Home Invasive *Aedes* Surveillance Kits will provide guidance for effective trap placement and the return of specimens to ACMAD for identification. Teams will encourage the voluntary removal of containers that may contain invasive *Aedes* and return these to ACMAD for identification and external confirmation, if needed. Once containers are no longer needed for identification (preferably within a day of collection), they will be sanitized, damaged to prevent water accumulation and disposed of at a site that buries the waste underground. If the field invasive *Aedes* response teams are unable to gain permission to enter a property for inspection or treatment, a twenty-four hour notice to enter the property will be affixed to the entry door(s) on the property.



- iv. **Treatment in Response to Travel-Related Patient-Case.** Field Staff will work in groups to inspect properties around where the case-patient resided in the two weeks before the onset of illness and while viremic (at least a 500 ft radius around the residence(s)), and other locations where exposure to invasive *Aedes* mosquitoes may have occurred (e.g. neighborhood and workplace). Patients should be advised to take all steps to avoid mosquito bites to minimize the risk of local transmission. If invasive *Aedes* are observed within the inspection areas, efforts should be made by Field Staff to eliminate all life stages of the mosquitoes from all properties in that area. Particular attention should be made to identifying and treating cryptic breeding and adult resting sites. Residents within the inspection areas will be strongly encouraged to eliminate potential breeding sites and may be provided autocidal mosquito traps to reduce mosquito abundance. ACMAD Staff are prohibited from disclosing any personal information related to the case. This includes but is not limited to the address where the case-patient resides, the size of the area being inspected, the name of case, their travel history, or suspected disease.
  - v. **Treatment in Response to Locally Acquired Human Transmission.** ACMAD will coordinate response and public notification activities with CDPH, local public health departments, and the governance of affected cities. The EOC of the affected and nearby cities will be notified of Operations activities. In addition to processes described for Treatment in Response to Travel-Related Patient-Case (section 5.B.iv), ACMAD will continue monitoring the identified areas of concern for 45 days (three virus replication cycles in mosquitoes), and enact additional control measures if indicated. Female mosquitoes that are collected in traps will be sent to DART for arbovirus testing.
- C. **Surveillance Response.** The broad goal of the Surveillance Response is to quantify the intensity and geographic distribution of invasive *Aedes* to guide Mosquito Control Response efforts. Lab Staff will also continue surveillance of non-*Aedes* mosquito abundance and West Nile virus in the County. All equipment that leave invasive *Aedes* Response Areas should first be inspected and sanitized and collected mosquito specimens contained before leaving that area to prevent the spread of mosquitoes.
- i. **Surveillance Overview.** Lab Staff will conduct surveillance for invasive *Aedes* mosquitoes by forming invasive *Aedes* surveillance teams, each of which should be led by the Laboratory Director or Vector Scientist. Invasive *Aedes* surveillance teams may also inspect and sanitize properties and treat sources of breeding mosquitoes. They will employ a range of specialized invasive *Aedes* traps and standard mosquito traps to quantify mosquito abundance, the relative proportion of invasive to native mosquitoes, and geographic distribution of mosquitoes within and around the invasive *Aedes* Response Area. To determine the extent of the infestation in the immediate area, BG-Sentinel and EVS traps will be placed within a 300-foot radius of where invasive *Aedes* are detected. To determine the boundaries of the infestation, a combination of EVS and oviposition traps will be placed up to 0.5 miles from the detection site. Lab Staff will generate mosquito abundance maps for each invasive *Aedes* Response Area that document the location and abundance of invasive *Aedes* and native mosquitoes. Adult invasive *Aedes* mosquitoes that are collected should be sent to DART for arbovirus testing.
  - ii. **Surveillance in a Newly Identified Invasive *Aedes* Response Area.** Mosquito specimens that are collected from sites outside of a current invasive *Aedes* Response Area and are likely to be invasive *Aedes*, will be identified to species by ACMAD Staff and confirmed using external experts.

- iii. **Surveillance in an Ongoing Invasive *Aedes* Response Area.** Mosquito specimens that are collected within a current invasive *Aedes* Response Area, and are likely to be invasive *Aedes*, should be identified to species by ACMAD Staff. Surveillance in an invasive *Aedes* detection area should be conducted for at least two years after the last detection. If multiple and sustained detections are made in an area, long-term invasive *Aedes* monitoring sites should be established for that area.
  - iv. **Surveillance for a Human Case of an Arbovirus Transmitted by Invasive *Aedes*.** ACMAD will activate the Laboratory Surveillance Response (Section C). Additionally, all *Culex* and *Aedes* mosquitoes that are collected in traps will be sent to DART for arbovirus testing. If invasive *Aedes* are detected near a person that is infected with an arbovirus, ACMAD will activate the Treatment in Response to Travel-Related Patient-Case or Treatment in Response to Locally Acquired Human Transmission (Sections 5. B. iv. and 5. B. v.).
- D. **Office Response.** The goal of the Office Response is to inform County residents and relevant entities of the invasive *Aedes* Response Area, coordinate the Operations and Lab Responses, and engage in public outreach to encourage County-wide efforts to suppress the breeding and dispersion of invasive *Aedes* mosquitoes.
- i. **Service Request Script for Invasive *Aedes*.** For service request calls, the Office Staff will employ a script and reporting form that is designed to identify calls with a higher likelihood of being initiated by invasive *Aedes*.
  - ii. **Coordination of Operations and Lab Responses.** Inspection maps will be generated by Office Staff for guiding Field Staff to sites in and around the invasive *Aedes* Response Area that have been sanitized, need inspection, or have twenty-four hour entry notices placed at the property. Office Staff will integrate inspection and mosquito abundance maps for coordinating Field Staff efforts. The Office Staff will coordinate the meetings of the ACMAD Staff.
  - iii. **Public Outreach Response.** The goal of the Public Outreach Response is to increase public awareness of invasive *Aedes* in the community to encourage residents to report daytime biting mosquitoes to ACMAD, and to inspect and sanitize their properties so that the spread of invasive *Aedes* can be curtailed. Outreach to the elected representatives, government agencies, and community officials in the affected areas are also included in this response.
  - iv. **Community Engagement.** Community groups (e.g. Community Emergency Response Teams (CERT), Home Owners Associations (HOAs), and volunteer groups) within and adjacent to the Response Area may be activated to aid ACMAD Staff in distributing information related to the invasive *Aedes* response. The public should be reassured that the risks of arbovirus transmission is low if no locally acquired human infections have been confirmed.

Alameda County Mosquito Abatement Dist.  
**Check Register**  
For the Period From Jun 1, 2020 to Jun 15, 2020

Filter Criteria includes: Report order is by Date.

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
2217	6/11/20	Adapco	6,999.42
2218	6/11/20	Airgas	586.42
2219	6/11/20	AJR Door Service, Inc	740.00
2220	6/11/20	ACSDA	200.00
2221	6/11/20	Best Best & Krieger	3,950.00
2222	6/11/20	CarQuest	27.81
2223	6/11/20	Cintas	547.89
2224	6/11/20	Clarke	14,399.60
2225	6/11/20	Coverall North America, Inc.	495.00
2226	6/11/20	Grainger	192.27
2227	6/11/20	Hayward Water System	563.02
2228	6/11/20	Industrial Park Landscape Maintenance	226.00
2229	6/11/20	Leading Edge Associate, Inc.	21,800.00
2230	6/11/20	NBC Supply Corp	158.04
2231	6/11/20	PC Professional	474.94
2232	6/11/20	PFM Asset Management	3,096.65
2233	6/11/20	PG&E	80.63
2234	6/11/20	Robles, Michelle	300.00
2235	6/11/20	Techniclean	180.82
2236	6/11/20	The Regents of U.C	616.00
2237	6/11/20	Univar	15,720.59
2238	6/11/20	U.S Bank Corporate Payment System	18,395.01
2239	6/11/20	VCJPA	1,115.58
2240	6/11/20	Voya Institutional Trust Company	177.41
2241	6/11/20	Doggett, James N	100.00
2242	6/11/20	Hentschke, Eric Armin	100.00
2243	6/11/20	Testa, Julie	100.00
2244	6/11/20	Young, George	100.00
ACH	6/11/20	Alameda County Mosquito Abatement Dist	70,876.47
ACH	6/11/20	CalPERS Retirement	12,930.40
ACH	6/11/20	CalPERS 457	2,672.35
ACH	6/11/20	Aguilar, Victor	100.00
ACH	6/11/20	Beatty, Robert .P	100.00
ACH	6/11/20	Bhat, Subrahmanya Y	100.00
ACH	6/11/20	Cooley, Elizabeth	100.00
ACH	6/11/20	Kumagai, Shawn	100.00
ACH	6/11/20	Marquez, Elisa	100.00
ACH	6/11/20	Mingst, Andrew	100.00
ACH	6/11/20	Poulson, Wendi Lynn	100.00
ACH	6/11/20	Roache, Cathy J Pinkerton.	100.00
ACH	6/11/20	Washburn, Jan	100.00

**Total Expenditures - June 15, 2020                    178,922.32**

Alameda County Mosquito Abatement Dist.  
**Check Register**  
 For the Period From Jun 16, 2020 to Jun 30, 2020

Filter Criteria includes: Report order is by Date.

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
2245	6/29/20	Airgas	440.39
2246	6/29/20	AT&T	65.10
2247	6/29/20	Bay Alarm	509.25
2248	6/29/20	Beck's Shoes	190.00
2249	6/29/20	Cintas	364.65
2250	6/29/20	F.H Dailey Chevrolet	85.32
2251	6/29/20	Leading Edge Associate, Inc.	10,530.00
2252	6/29/20	Namakan West Fisheries	200.00
2253	6/29/20	National CineMedia, LLC	3,333.33
2254	6/29/20	PC Professional	868.54
2255	6/29/20	PG&E	24.64
2256	6/29/20	Pitney Bowes	1,616.25
2257	6/29/20	Regional Government	125.00
2258	6/29/20	Techniclean	78.24
2259	6/29/20	The Cobblers	190.00
2260	6/29/20	The Hartford	81.48
2261	6/29/20	Verizon	936.72
2262	6/29/20	Voya Institutional Trust Company	177.41
2263	6/29/20	VSP	695.41
2264	6/29/20	Waste Management of Alameda County	280.83
2265	6/29/20	WEX Bank	2,971.51
ACH	6/29/20	Alameda County Mosquito Abatement Dist	72,553.05
ACH	6/29/20	CalPERS Health	33,228.92
ACH	6/29/20	CalPERS Retirement	13,083.85
ACH	6/29/20	CalPERS 457	2,670.53
<b>Total Expenditures - June 30, 2020</b>			<b>145,300.42</b>

**Alameda County Mosquito Abatement District**  
**Income Statement**  
**June 30, 2020. (12 of 12 mth, 100%)**

<b>REVENUES</b>	<b>Actual 2017/18</b>	<b>Actual 2018/19 <sup>1</sup></b>	<b>Current Month</b>	<b>Year to Date 2019/20</b>	<b>Budget 2019/20</b>	<b>Actual vs Budget</b>
<b>Total Revenue</b>	<b>\$ 4,623,350.00</b>	<b>\$ 4,922,549.00</b>	<b>\$ 556.03</b>	<b>\$ 4,986,220.87</b>	<b>\$ 4,705,236.00</b>	<b>106%</b>

<b>EXPENDITURES</b>	<b>Actual 2017/18</b>	<b>Actual 2018/19 <sup>1</sup></b>	<b>Current Month <sup>2</sup></b>	<b>Year to Date 2019/20</b>	<b>Budget 2019/20</b>	<b>Actual vs Budget</b>
Salaries	\$1,744,412	\$ 1,894,209.00	\$ 158,269.34	\$ 1,972,997.03	\$2,425,552	81%
CalPERS Retirement	\$262,107	\$ 310,838.00	\$ 14,769.50	\$ 364,350.68	\$360,538	101%
Medicare	\$23,564	\$ 25,149.00	\$ 2,102.63	\$ 26,123.55	\$30,843	85%
Fringe Benefits	\$449,954	\$ 452,960.00	\$ 34,005.81	\$ 465,466.14	\$502,043	93%
<b>Total Salaries, Retirement, &amp; Benefits</b>	<b>\$2,480,037</b>	<b>\$ 2,683,156.00</b>	<b>\$209,147</b>	<b>\$2,828,937</b>	<b>\$3,318,976</b>	<b>85%</b>
Clothing and personal supplies (purchased)	\$ 7,308.71	\$ 8,899.00	\$ 733.53	\$ 6,032.85	\$8,000	75%
Laundry service and supplies (rented)	\$ 9,819.37	\$ 12,603.00	\$ 747.33	\$ 10,648.44	\$12,750	84%
Utilities	\$ 29,830.25	\$ 30,161.00	\$ 949.12	\$ 25,962.21	\$12,600	206%
Communications-IT	\$ 102,855.59	\$ 108,868.00	\$ 17,567.40	\$ 77,937.16	\$117,100	67%
Maintenance: structures & improvements	\$ 21,374.70	\$ 13,673.00	\$ 970.39	\$ 16,047.86	\$25,000	64%
Maintenance of equipment	\$ 43,585.45	\$ 43,629.00	\$ 494.44	\$ 19,754.69	\$35,000	56%
Transportation, travel, training, & board	\$ 131,330.43	\$ 98,433.00	\$ 3,199.56	\$ 95,946.62	\$134,260	71%
Professional services	\$ 100,563.13	\$ 115,324.00	\$ 7,171.65	\$ 102,363.74	\$169,320	60%
Memberships, dues, & subscriptions	\$ 15,933.00	\$ 20,774.00	\$ 200.00	\$ 24,059.00	\$22,655	106%
Insurance - (VCJPA, UAS)	\$ 131,392.69	\$ 124,688.00	\$ 820.00	\$ 134,615.68	\$133,546	101%
Community education	\$ 64,109.47	\$ 34,861.00	\$ 4,120.36	\$ 18,857.33	\$40,000	47%
Operations	\$ 176,000.00	\$ 206,731.00	\$ 57,778.06	\$ 178,478.63	\$228,500	78%
Household expenses	\$ 18,101.06	\$ 18,655.00	\$ 1,365.67	\$ 14,039.32	\$15,850	89%
Office expenses	\$ 10,753.26	\$ 11,795.67	\$ 1,780.09	\$ 12,766.55	\$14,500	88%
Laboratory supplies	\$ 113,768.06	\$ 95,640.00	\$ 13,607.39	\$ 96,399.85	\$137,000	70%
Small tools and instruments	\$ 8,376.29	\$ 2,211.00	\$ 400.61	\$ 1,735.01	\$3,000	58%
<b>Total Staff Budget</b>	<b>\$ 985,101.46</b>	<b>\$ 946,945.67</b>	<b>\$ 111,905.60</b>	<b>\$ 835,644.94</b>	<b>\$1,109,081</b>	<b>75%</b>
<b>Total Operating Expenditures</b>	<b>\$ 3,465,138.55</b>	<b>\$ 3,630,101.67</b>	<b>\$ 321,052.88</b>	<b>\$ 3,664,582.34</b>	<b>\$4,428,057</b>	<b>83%</b>

1 - As of June 30, 2019.

2 - Total Operating Expenditures in current month do not match the check register due to accounts receivable, capital purchases, and petty cash transactions.

**Alameda County Mosquito Abatement District  
Investment, Reserves, and Cash Balance Report  
June 30, 2020. (12 of 12 mth, 100%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Interest Activity	Ending Balance
1004	LAIF <sup>1</sup>	\$ 1,048,188.85	\$ 1,859,000.00	\$ (142,000.00)	\$ -	\$ 2,765,188.85
1005	OPEB Fund	\$ 4,404,379.14	\$ -	\$ -	\$ 94,756.87	\$ 4,499,136.01
1006	VCJPA Member Contingency	\$ 369,337.00	\$ -	\$ -	\$ -	\$ 369,337.00
1008	CAMP: Repair and Replace	\$ 976,101.17	\$ -	\$ -	\$ 410.45	\$ 976,511.62
1009	CAMP: Public Health Emergency	\$ 525,187.39	\$ -	\$ -	\$ 220.84	\$ 525,408.23
1010	CAMP: Operating Reserve	\$ 1,940,512.29	\$ -	\$ -	\$ 815.98	\$ 1,941,328.27
1011	CAMP: Capital Reserve Fund	\$ 131,241.90	\$ -	\$ (2,895.00)	\$ 55.15	\$ 128,402.05
1012	PARS: Pension Stabilization <sup>2</sup>	\$ 1,564,393.87	\$ -	\$ -	\$ 39,907.52	\$ 1,604,301.39
<b>Total</b>		<b>\$ 10,959,341.61</b>	<b>\$ 1,859,000.00</b>	<b>\$ (144,895.00)</b>	<b>\$ 136,166.81</b>	<b>\$ 12,809,613.42</b>
		Beginning Balance	Deposits	Withdrawals	Activity	Ending Balance
Cash Accounts						
1001	Bank of America (Payroll Account) *	\$ 111,438.14	-	-	-	\$ 106,802.02
1002	Bank of The West (Transfer Account) * <sup>1</sup>	\$ 314,783.56	-	-	-	\$ 223,634.26
1003	County Account	\$ 323,005.19	\$ -	\$ -	\$ (414.64)	\$ 322,590.55
1013	Petty Cash <sup>3</sup>	\$ 224.83	\$ 300.00	\$ -	\$ (25.14)	\$ 499.69
<b>Total</b>		<b>\$ 749,451.72</b>	<b>\$ 300.00</b>	<b>\$ -</b>	<b>\$ (439.78)</b>	<b>\$ 653,526.52</b>

1 - \$1,859,000.00 transferred to LAIF from Bank of the West on June 2, 2020.

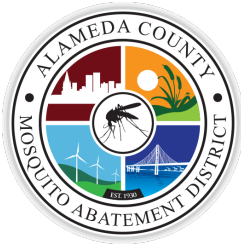
2- PARS - Pension Stabilization balance is as of May 31, 2020.

3- \$300.00 added to Petty Cash fund.

\* - Ending balance differs from beginning balance due to checks clearing the account.

Alameda County Mosquito Abatement  
Balance Sheet Comparison  
June

ASSETS	6/30/2020	6/30/2019	Explanation
<b>Current Assets</b>			
Cash	\$ 1,612,853.82	-	PARS is no longer being reported stand-alone on the balance sheet, would only be reported on the balance sheet if it was a liability to the district.
Bank of America payroll	107,594.53	115,442.00	Current book balance, different from the ending balance shown on bank statement, due to outstanding deposits (will not match IRC page).
Bank of the West	297,736.14	350,897.46	" "
County	322,590.55	219,599.98	Current balance in County account.
Cash with LAIF	2,765,188.85	3,005,839.55	Current balance in LAIF (working capital) account.
VCJPA- Member Contingency	369,337.00	52,796.00	Reserve amount with VCJPA (updated quarterly)
VCJPA - Property Contingency	-	353,497.00	No longer used, combined with member contingency
CAMP - Repair and Replace	976,511.62	336,821.04	Reserve committed to repair or replace capital assets.
CAMP - Public Health Emergency	525,408.23	516,770.55	Reserve committed for public health emergencies.
CAMP - Operating Reserve	1,941,328.27	1,909,412.95	Reserve committed as an emergency rainy-day fund (= to 60% of current year expenses)
CAMP - Capital Reserve Fund	128,402.05	231,328.60	Reserve for current year capital assets or non-capital facility maintenance
PARS <sup>1</sup>	-	1,064,535.70	PARS is no longer being reported stand-alone on the balance sheet, would only be reported on the balance sheet if it was a liability to the district.
Petty cash	<u>499.69</u>	<u>274.49</u>	To reimburse employees - under \$50
<b>Total Current Assets</b>	<b>9,047,450.75</b>	<b>8,157,215.32</b>	
<b>Property and Equipment</b>			
Acc Dep - equipment	(1,282,441.98)	(1,318,915.70)	Accumulated depreciation expense from date of purchase through current useful life, which reduces assets book values
Acc Dep - stru & improv	(2,349,631.01)	(2,349,631.01)	" "
Acc Dep - conts in progress	5,523.00	-	" "
Construction in progress	590,279.99	351,219.40	Accumulated cost of a project yet to be completed.
Equipment	1,699,506.64	1,619,670.10	Original cost of depreciable equipment item.
Structure/improvement	4,638,621.62	4,529,022.67	Original cost of depreciable structure/ improvement item.
Land	<u>61,406.00</u>	<u>61,406.00</u>	Original purchase price of owned land; will not change.
Total Property and Equipment	3,363,264.26	2,892,771.46	
<b>Other Assets</b>			
Net OPEB Asset	<u>716,666.00</u>	<u>716,666.00</u>	Amount reported on actuary report. Pre-paid amount (overfunded), still considered an asset to the district. The amount has not changed because we have not withdrawn or added to account in the current year.
Total Other Assets	716,666.00	716,666.00	
<b>Total Assets</b>	<b><u>\$ 13,127,381.01</u></b>	<b><u>\$ 11,766,652.78</u></b>	
<b>LIABILITIES AND CAPITAL</b>			
<b>Current Liabilities</b>			
Accounts payable	\$ 104,296.42	\$ 127,965.63	Invoices due but yet to be paid.
AP Credit Card	-	37,454.42	Current credit card purchases, no longer shows up on balance sheet due to credit card clearing out when credit card statement is paid.
Acc payroll/vacation	187,668.43	187,668.43	District's debt from employees' unused vacation time.
Def inflow - 75	41,760.00	41,760.00	Other post employment benefit cost. Projected but yet to be incurred. Actuary is suggesting what is going to happen but hasn't happened yet.
Def inflow pen defer GASB 68	809,861.00	809,861.00	Pension benefit cost projected but yet to be incurred. Actuary is suggesting what is going to happen but hasn't happened yet.
Defer outflow pen cont GASB 68	(818,392.00)	(818,392.00)	Payments into pension incurred but yet to be posted against the outstanding liability at a given point of time.
Net pension liability GASB 68	<u>2,642,666.00</u>	<u>2,642,666.00</u>	Unfunded pension accrued liability as estimated by an actuary as of a given point of time.
Total Current Liabilities	2,967,859.85	\$ 3,028,983.48	
Long-Term Liabilities			
Total Long-Term Liabilities			
<b>Total Liabilities</b>	<b>2,967,859.85</b>	<b>3,028,983.48</b>	
<b>Capital</b>			
Designated fund balances	4,100,295.19	4,100,295.19	Board approved reserves for designated purposes.
Investment in general fixed as	4,637,374.11	3,641,667.89	Value of fixed assets left any accumulated depreciation and or debt.
Net Income	<u>1,421,851.86</u>	<u>995,706.22</u>	Net Income = Gross Income - Expenses
Total Capital	10,159,521.16	8,737,669.30	Sum of designated fund balances, investment in general fixed assets and net income.
<b>Total Liabilities &amp; Capital</b>	<b><u>\$ 13,127,381.01</u></b>	<b><u>\$ 11,766,652.78</u></b>	



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## MONTHLY STAFF REPORT –1081

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### 1. OPERATIONS REPORT

Another high tide series in June facilitated a second tidal marsh treatment for *Aedes dorsalis* with ACMAD's A-1 Super Duty mist blower. This treatment was again conducted with 12-AS (a BTI formulation). The winds were blowing in the normal, expected direction, as opposed to those during last month's treatment, and the machine provided good coverage in the treatment areas. Based on service request data, field observations, and lab trap data the treatment was successful. The A-1 demonstrated that it has the capability to treat significant acreage in a much shorter time frame than would be needed to conduct treatments by hand. Next month, in a joint effort with the District lab, operations plan to test the A-1 with a WALS treatment on a vacant house and adjoining out-buildings. The goal is to see how effective the A-1 will be in a "real-world" scenario, with a house, yard, and clutter, to further prepare operations for the potential of neighborhood larvaciding in response to the detection of invasive *Aedes sp.* mosquitoes.

Two more calibration trials were conducted during June with the operation's treatment UAS (drone). Operations is now confident that the equipment is properly calibrated to distribute the proper rates of larvaciding materials on a given treatment site. A site has been chosen, notifications have been made, and once larval abundance is confirmed via larval sampling/adult trap collection data, a treatment will be planned during July. This initial treatment trial will also be a joint effort with ACMAD operations and ACMAD lab staff. The objective is to be sure the right amount of material is distributed throughout the source and that the number of larvae and, ultimately, the number of adults attributable to the source are reduced to levels expected with a treatment conducted by traditional methods.

Operations staff spent much of June inspecting and treating sources for *Culex pipiens* and *Culex tarsalis*. Much of the focus on these two species was on sources such as catch basins, sewer plants, canals, and freshwater marshes. Trap data from the lab also provided information useful to determining localized parts of the county that showed higher than average adult numbers for the aforementioned species. No West Nile virus positive birds or mosquitoes were collected in Alameda county in June. However, WNV positive mosquitoes were collected in Santa Clara county, our neighbor to the south, close to the county border we share. Operations and the lab both increased surveillance efforts in this part of our county and will continue to do so in July. Operations staff also worked closely with other ACMAD staff on the district's annual aerial pool survey program. This process has been refined and tightened up more in each of the last several seasons. This program is of great importance to our WNV program as unmaintained swimming pools can produce massive numbers of *Culex sp.* mosquitoes that can readily vector the virus.

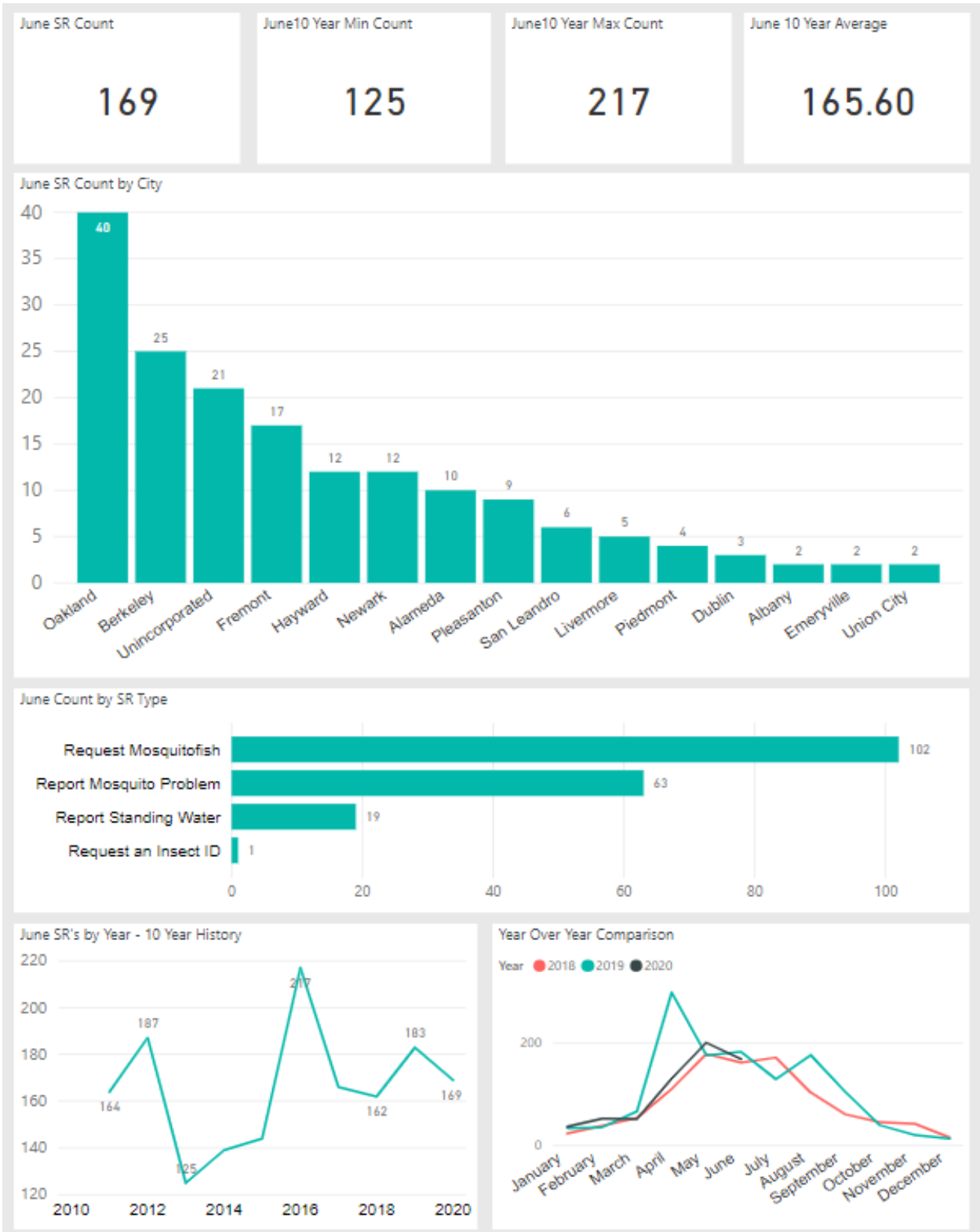
Service requests received from the public during June were right about at the ten-year average for the month. Of the 169 requests received, one-hundred and two, well over half of all the requests, were requests for mosquito fish. Sixty-three requests were to report mosquito problems. The main mosquito species attributed to these requests were *Culiseta incidens*, *Culex pipiens*, and *Aedes sierrensis*. A large number of these requests were attributable to non-biting, "mosquito-like" insects as well as to other biting insects including bedbugs and fleas, and to acarine rat-mites. Of the eighteen requests to inspect standing water, most were generated by unmaintained swimming pools and by water standing in street gutters that was not properly draining into catch basin/storm drain systems.

Field Operations Supervisor  
Joseph Huston

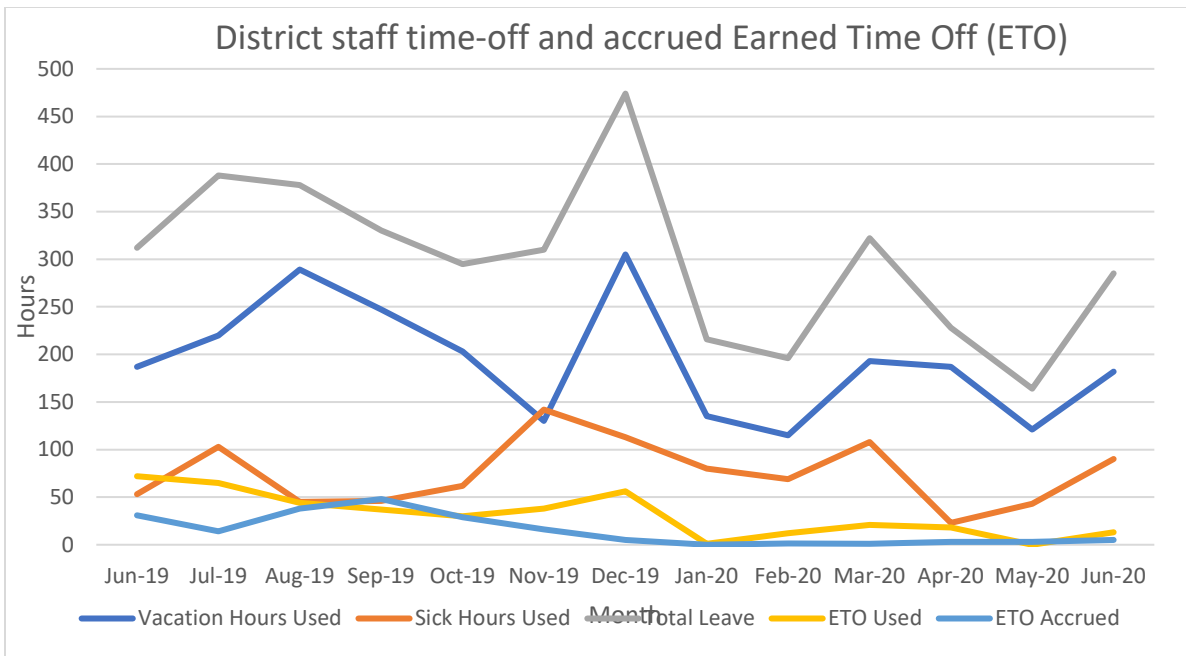


## A. District Data

### 1. Service Requests

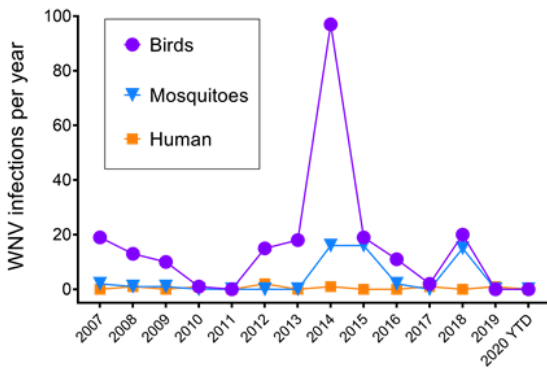


### 2. Activity Report

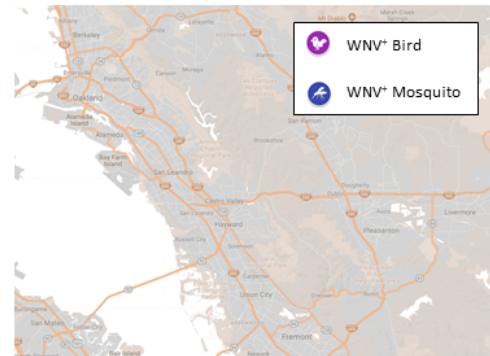


### 3. WNV Activity

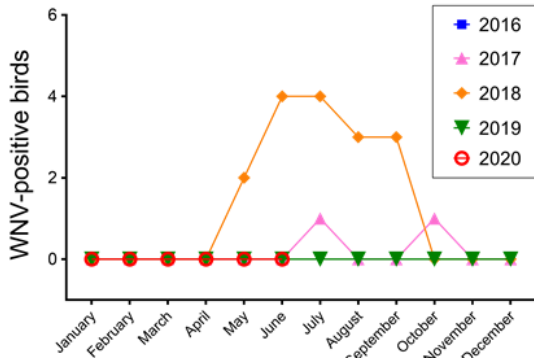
WNV infections detected in Alameda County  
2005 – 2020 YTD



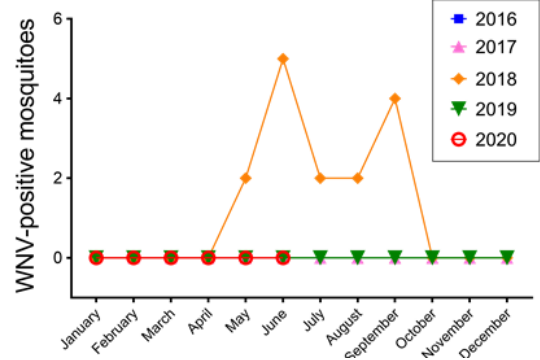
Locations of WNV-infected mosquitoes and birds  
collected in Alameda County during 2020



WNV-infected birds collected in  
Alameda County



WNV-infected mosquitoes collected in  
Alameda County



## 2. LAB

### Summary

- West Nile virus (WNV) was not detected in birds or mosquitoes during June 2020.
- Invasive *Aedes* mosquitoes have not been detected in Alameda County during 2020.
- Mosquito abundance during June 2020 as measured using CO<sub>2</sub>-baited encephalitis virus survey (EVS) traps was similar to the same period of 2019, but lower than June 2018.
- Mosquito abundance measured using New Jersey Light Traps (NJLT) was lower than the prior two years.
- A total of 9420 mosquitoes were captured in traps and identified to species during June 2020.

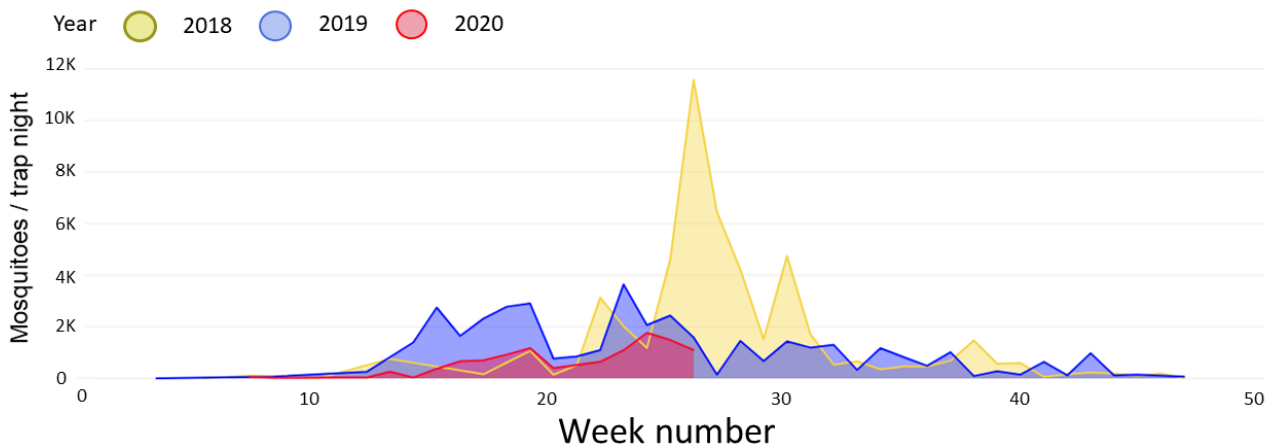
### Arbovirus Monitoring

- WNV was not detected in birds or mosquitoes during the month of June 2020.
- None of the mosquitoes or birds that were collected during 2020 contained Saint Louis encephalitis virus or Western equine encephalitis virus.

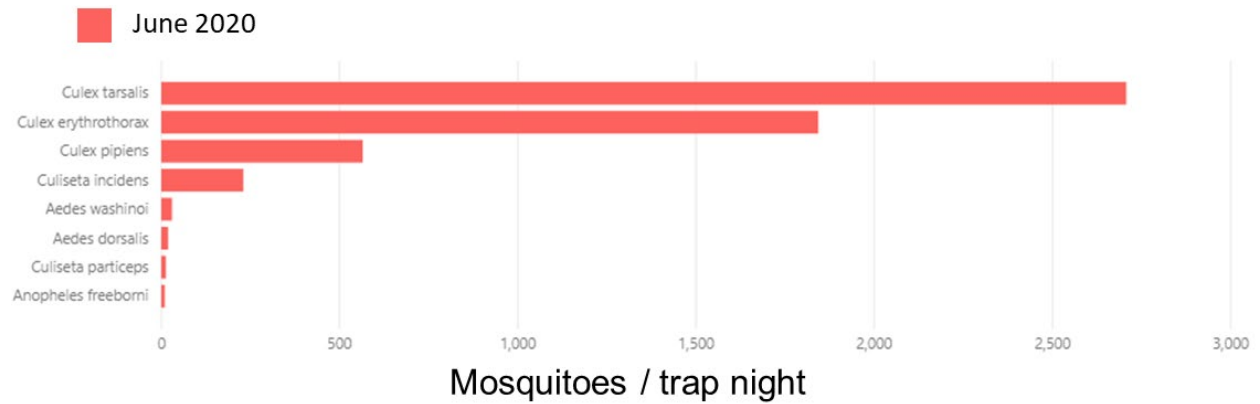
### Native Mosquito Abundance

- Over the course of 242 trap nights, a total of 5442 mosquitoes were captured in EVS traps (Figure 1). There were on average 22.5 mosquitoes per trap night during June 2020; for the prior month, there were 14.5 mosquitoes captured per trap night (a 1.6-fold increase). *Culex tarsalis*, which is a WNV vector, was the most common species collected in the EVS CO<sub>2</sub> traps during June 2020, representing 50% of the mosquitoes that were collected (Figure 2 and Figure 3A). EVS CO<sub>2</sub> traps were placed at nine sites in Albany, CA and collected 242 mosquitoes (4% of the total; Figure 3B). Multiple WNV-positive pools that contained *Cx. tarsalis* were collected by Santa Clara County Vector Control District in the northern region of their service area, prompting application of adulticide during June. In response, ACMAD staff placed EVS CO<sub>2</sub> traps in the southern region of Alameda County. These traps collected hundreds of female *Cx. tarsalis* (Figure 3C), but none were found to contain WNV. Approximately 8% of the EVS CO<sub>2</sub> traps that were placed during June did not capture any mosquitoes (Figure 3D).
- Mosquito abundance, as measured using NJLT, also remained very low for June 2020 (0.9 mosquitoes / trap night, respectively; total of 256 mosquitoes over 287 trap nights; Figure 4). In contrast, during May 2018 and 2019, 2.1 and 1.2 mosquitoes were collected per trap night, respectively. *Culiseta incidens*, which is not a WNV vector, remained the most abundant species collected in NJLT during June 2020 (Figure 5). The greatest number of mosquitoes were collected in the southern Fremont NJLT during June 2020 (n = 285; Figure 6).

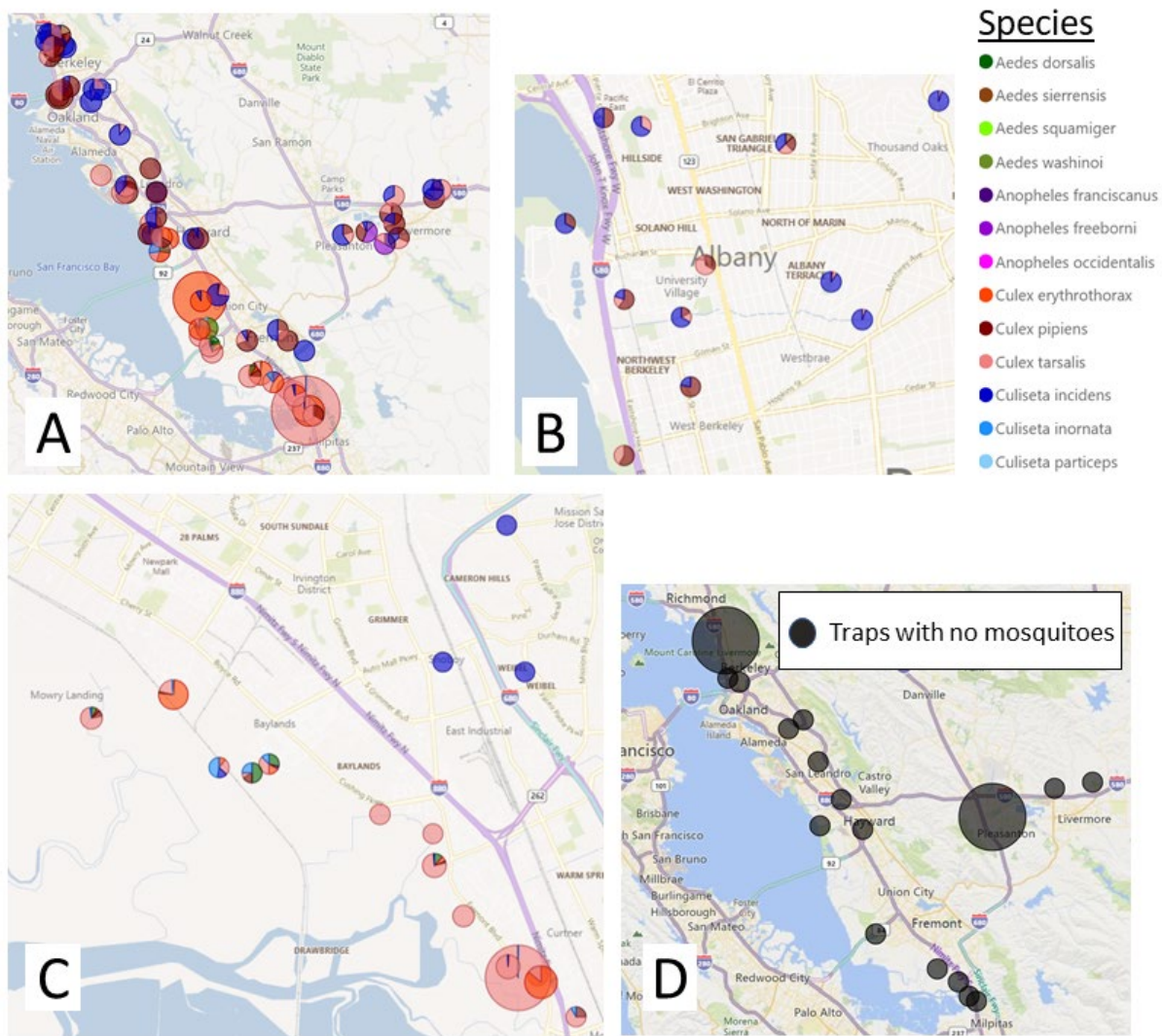
### FIGURES



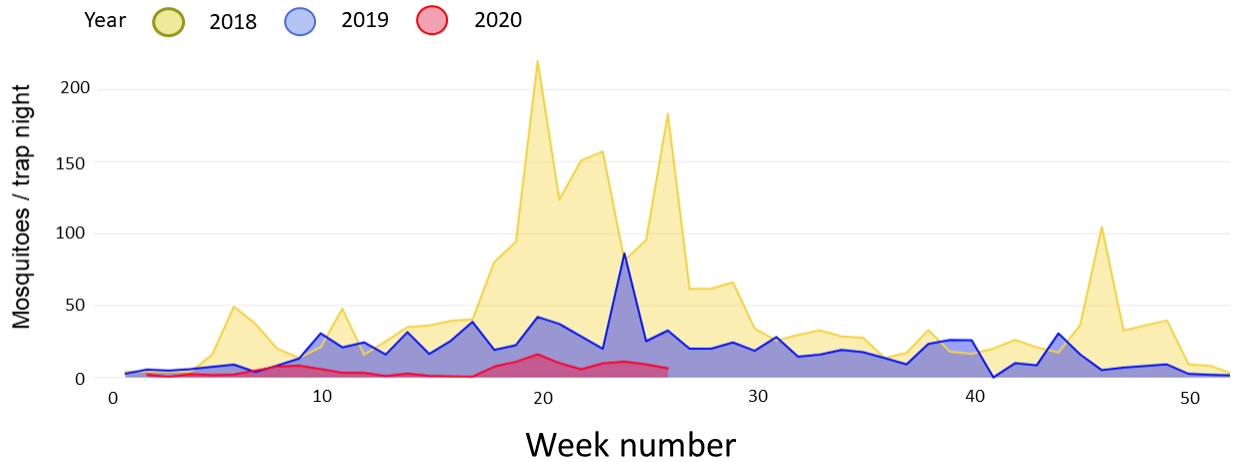
**Figure 1. Mosquitoes captured in EVS CO<sub>2</sub> traps from 2018 – 2020.** A total of 5442 mosquitoes were captured in EVS CO<sub>2</sub> traps during June 2020 and identified to species.



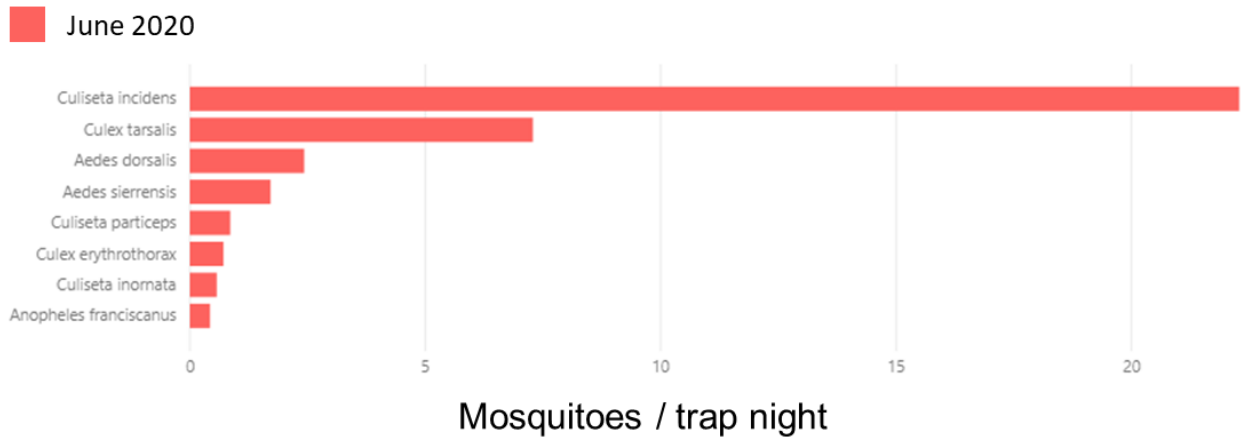
**Figure 2. The eight-most abundant species of mosquito captured during June 2020 using EVS CO<sub>2</sub> traps.**



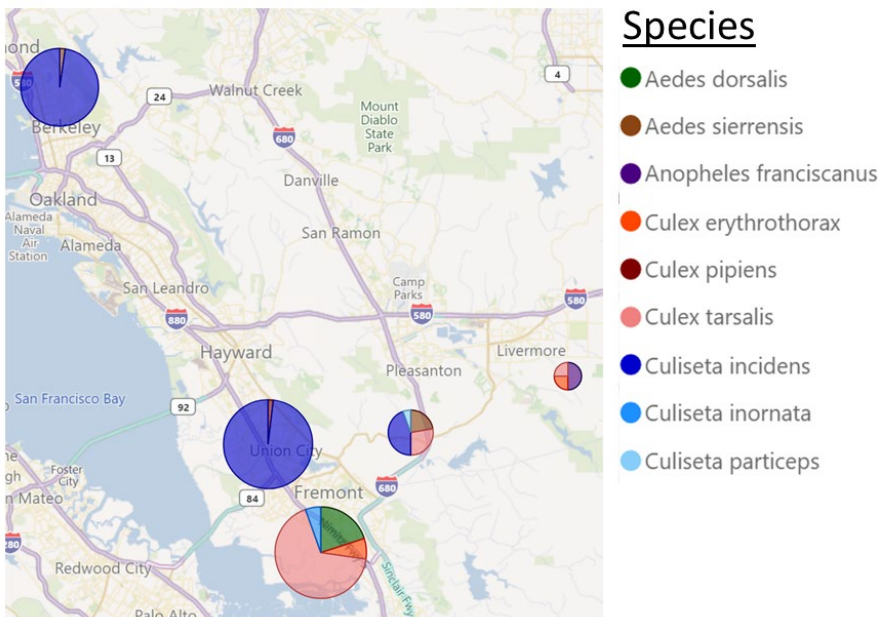
**Figure 3. Mosquito abundance by trap site evaluated using EVS CO<sub>2</sub> traps.** Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site. The size of the pie charts indicates the relative number of mosquitoes at each site during May 2020. (A) Entirety of Alameda County. (B) North county region, including Albany. (C) South county region near to where WNV-infected mosquitoes were collected by Santa Clara County Vector Control District. (D) Location of EVS traps that did not contain mosquitoes. The size of each grey circle indicates the relative number of traps that lacked mosquitoes at a site.



**Figure 4. Mosquitoes captured in NJLT from 2018-2020.** A total of 287 mosquitoes were captured in NJLT during June 2020 and identified to species.



**Figure 5. The eight-most abundant species of mosquito captured during June 2020 in NJLT.**



**Figure 6. Geographic distribution of mosquito abundance in Alameda County evaluated using NJLT.** Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site.

### 3. PUBLIC EDUCATION

#### A. Events

##### i. Upcoming

- No events currently planned

#### B. Streaming TV Advertisements

- Video 30-second ads covering all of Alameda County
- Started on May 1<sup>st</sup> and will run through July 16<sup>th</sup>

Client	Product	Start Date	End Date	Contracted Impressions	Delivered Impressions	Video Completes	Video Completion Rate
ACMAD	OTT/CTV	5/1/2020	7/16/2020	285,714	201,764	195,733	97.01%

Figure 1. Streaming TV numbers

#### C. Google Analytics

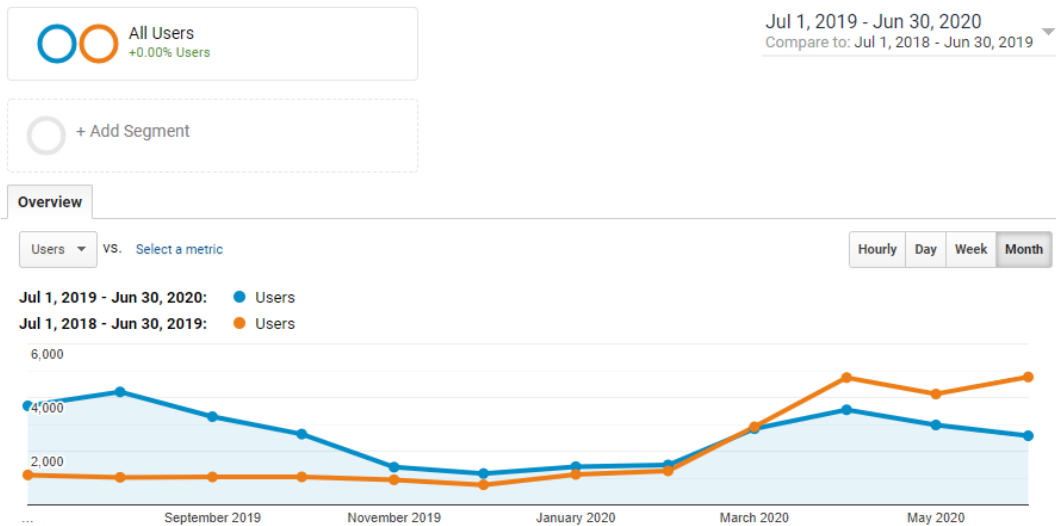


Figure 2. Comparison of website users over the past two years

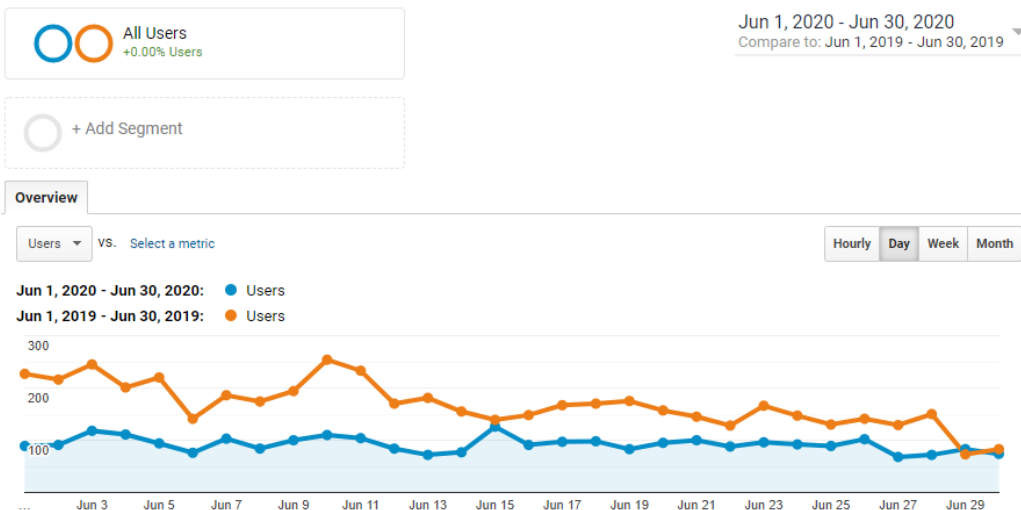
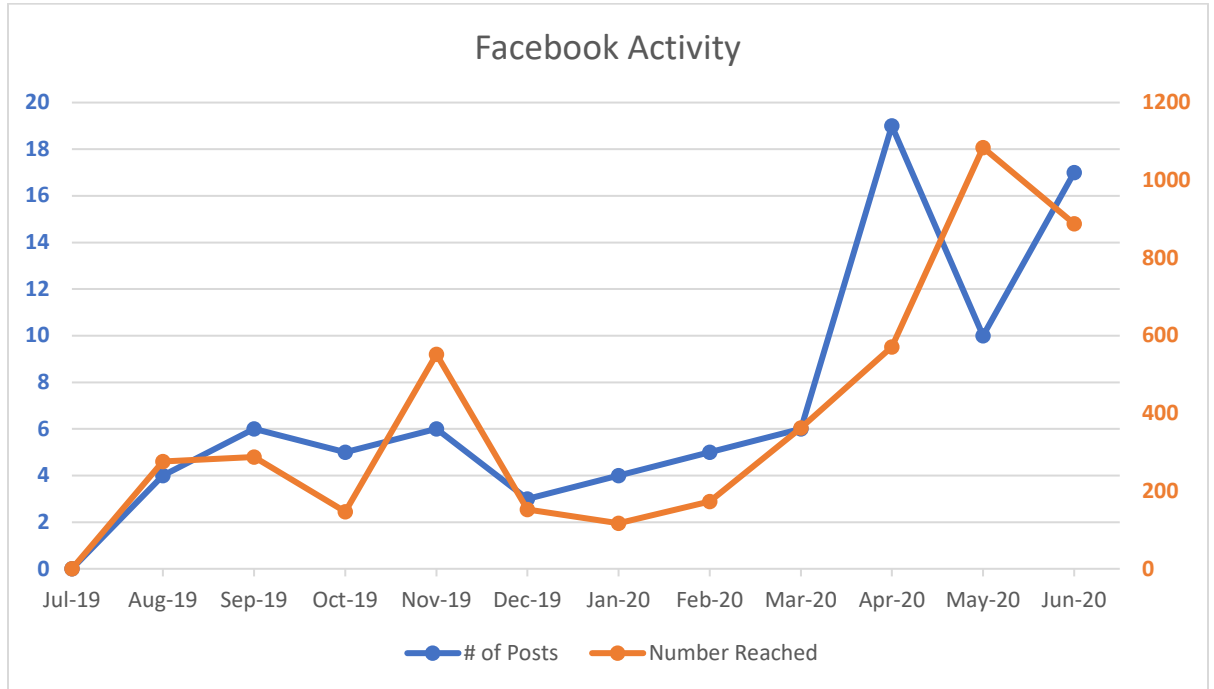


Figure 3. Comparison of website users over the past two years for June.

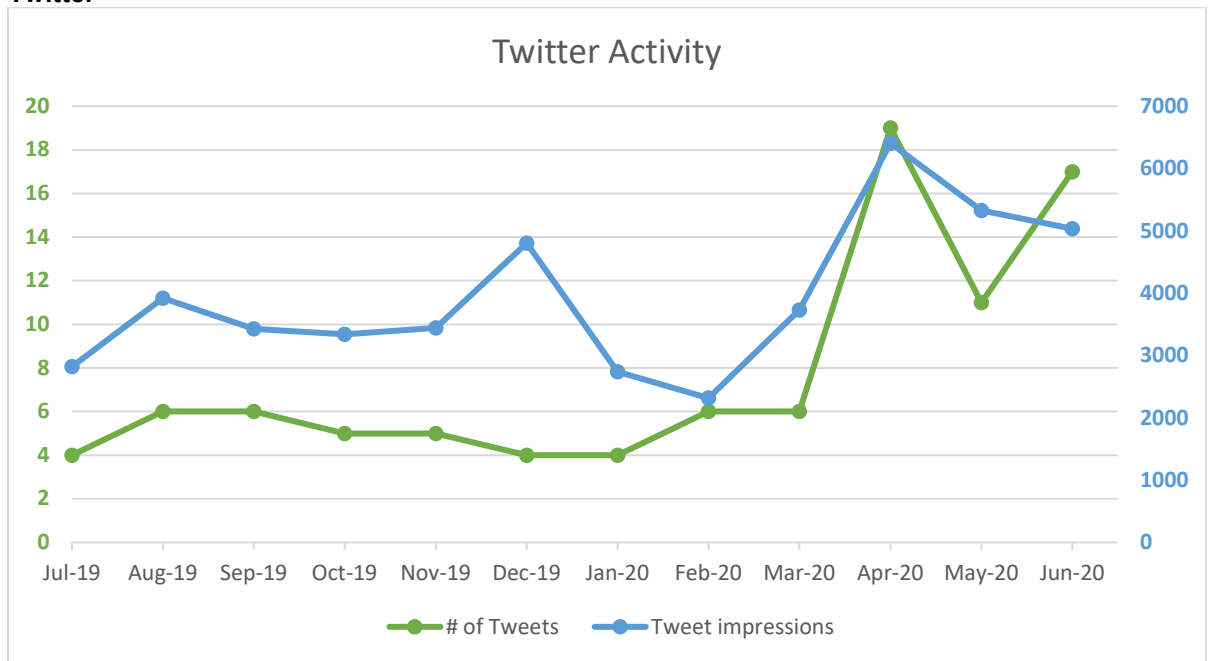
**D. Facebook**



**Total Number of Followers:** 231 (Up from 223 in May)

**June's Most Popular Post:** One mosquito bite can cause West Nile virus which can lead to meningitis and even death. Learn which repellent you should use to keep you and your loved ones safe. #FightTheBite #NationalMosquitoWeek <https://bit.ly/3fhO87L> (photo)

**E. Twitter**

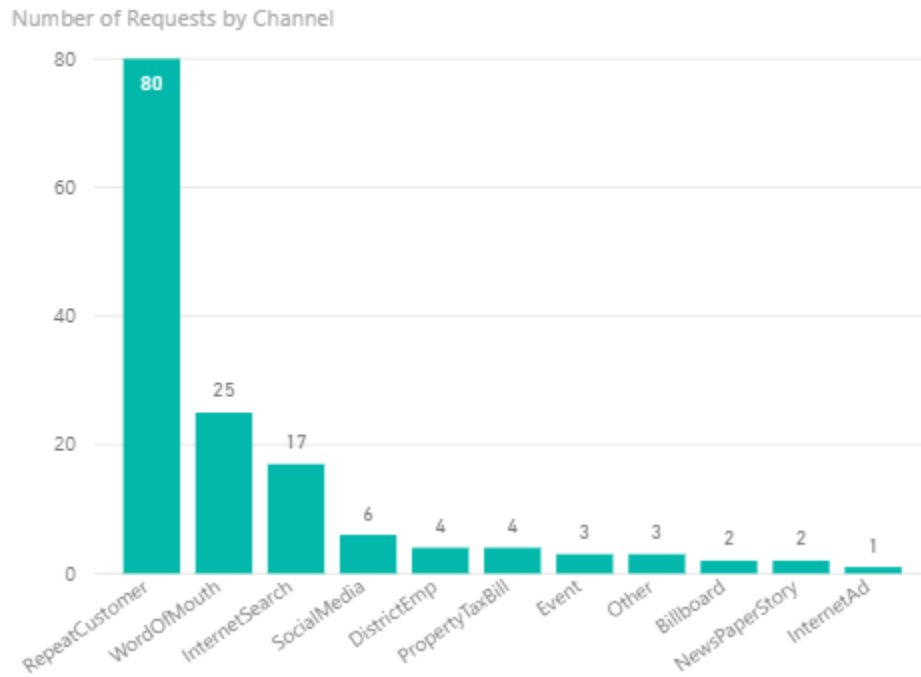


**Number of Profile Visits in June:** 17

**Total Number of Followers (New This Month):** 718 (Up from 713 in May)

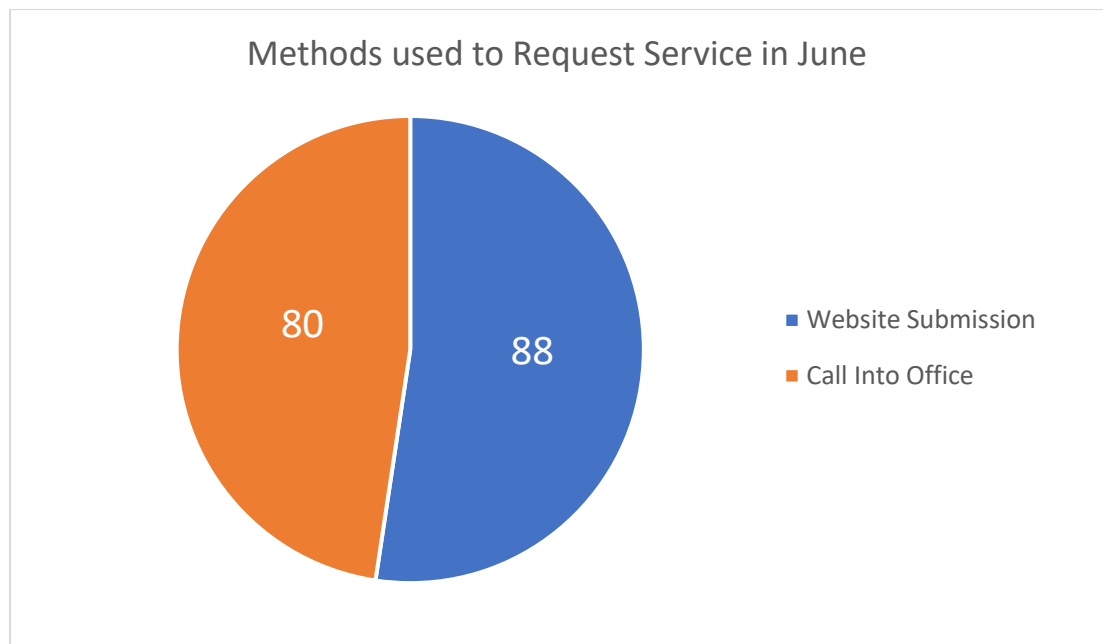
**Top June Tweet:** #DYK: Mosquitoes go through four life stages? A majority of their life stages occur in water! #FightTheBite #NationalMosquitoWeek [bit.ly/30uJcZ1](http://bit.ly/30uJcZ1) (photo)

## F. Service Request Referral Summary

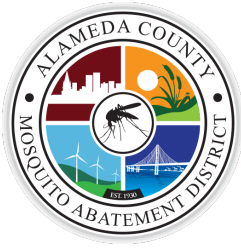


**Note:** “Movie Theater Ad” and “Phone Book” are also options for this question but were not included on this chart because they were not selected in June. Those that chose “Other” indicated that they heard about us from an online blog, a pet store, and the Berkeley Horticulture Nursery.

## G. Channels Used by Residents to Request Service







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### Staff Anniversary Recognitions:

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Subru Bhat

**Union City**

**Ryan Clausnitzer**

*General Manager*

**Background:**

ACMAD is pleased to recognize and thank the following employees on their anniversaries in July.

Employee	Job Title	Years of Service	Anniversary Date
Joseph Huston	Field Operations Supervisor	29	July 1 <sup>st</sup>
Eric Haas-Stapleton	Lab Director	5	July 1 <sup>st</sup>
Ryan Clausnitzer	General Manager	5	July 2 <sup>nd</sup>
Robert Ferdan	IT Director	5	July 16 <sup>th</sup>