

AGENDA
1091st MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
JUNE 9TH, 2021

TIME: 5:00 P.M.
PLACE: Teleconference Only, **see below**
TRUSTEES: P. Robert Beatty, President, City of Berkeley
Betsy Cooley, Vice-President, City of Emeryville
Subru Bhat, Secretary, City of Union City
Cathy Roache, County-at-Large
Wendi Poulson, City of Alameda
Preston Jordan, City of Albany
Shawn Kumagai, City of Dublin
George Young, City of Fremont
Elisa Márquez, City of Hayward
Steven Cox, 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

1. Call to order.
2. Roll call.
3. President Beatty 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 1090th Regular Meeting held May 12th, 2021 (**Board action required**)
5. Public Hearing on the proposed tax rate. (Information only).
6. Resolution 1091-1, a resolution ordering the levy of assessments for fiscal year 2021-22 for the Alameda County Mosquito Abatement District Mosquito and Disease Control Assessment. (**Board action required**)
7. Closed session to discuss the General Manager's twelve-month evaluation pursuant to Government Code Section 54957.6. (Information only)
8. Compensation recommendation of General Manager Ryan Clausnitzer based on a recommendation from the Manager Evaluation Committee and according to the employee contract. (**Board action required**)
9. Financial Reports as of May 31st, 2021: (Information only).
 - a. Check Register
 - b. Income Statement
 - c. Investments, reserves, and cash report

- d. Balance Sheet
10. Presentation of the Monthly Staff Report (Information only).
11. Presentation of the Manager's Report (Information only).
 - a. Staff Anniversary
 - b. CSDA Annual Conference (in-person): Monday, August 30th – Thursday, September 2nd at the Monterey Conference Center.
 - c. ACSDA Joint Meeting with Contra Costa's Chapter: Monday July 12th at 9:00 A.M. location TBD.
 - d. Training due: AB 1234: Aguilar, Jordan; AB 1825: Aguilar, Jordan
12. Board President asks for reports on conferences and seminars attended by Trustees.
13. Board President asks for announcements from members of the Board.
14. Board President asks trustees for items to be added to the agenda for the next Board meeting.
15. 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.

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#** 880 3413 4698 followed by the pound (#) key.

Computer: Watch the live streaming of the meeting from a computer by navigating to <https://us02web.zoom.us/j/88034134698>

Mobile: Log in through the Zoom mobile app on a smartphone and enter **Meeting ID#** 880 3413 4698

HOW TO SUBMIT PUBLIC COMMENTS:

Before the Meeting: Please email your comments to 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, 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

1090th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

May 12th, 2021

TIME: 5:00 P.M.
PLACE: *Zoom Teleconference Only*
TRUSTEES: P. Robert Beatty, President, City of Berkeley
Betsy Cooley, Vice-President, City of Emeryville
Subru Bhat, Secretary, City of Union City
Cathy Roache, County-at-Large
Wendi Poulson, City of Alameda
Preston Jordan, City of Albany
Shawn Kumagai, City of Dublin
George Young, City of Fremont
Elisa Marquez, City of Hayward
Steven Cox, 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

1. Board President Beatty called the regularly scheduled board meeting to order at 5:01 P.M.
2. Trustees Beatty, Cooley, Poulson, Jordan, Young, Marquez, Cox, Hentschke, Washburn, Mingst, and Aguilar were present on the Zoom conference. Trustees Roache and Testa arrived at 5:03 P.M. Trustee Poulson arrived at 5:08 P.M. and Secretary Bhat arrived at 5:15 P.M.
3. Board President Beatty invited members of the public to speak on any issue relevant to the District. Melanie Guillory-Lee from SCI Consulting Group was present to present the preliminary Engineers Report for fiscal year 2021-22. Regulatory and Public Affairs Director Erika Castillo was present to review bids for the Biological Assessment. Laboratory Director Eric Haas-Stapleton was present to report on Sterile Insect Techniques (SIT). Information Technology Director Robert Ferdan was present for technical support. Vector Biologist Jeremy Sette was present to record the minutes. No public comments were submitted.
4. Approval of the minutes of the 1089th meeting held April 14th, 2021.
Motion: Trustee Jordan moved to approve the minutes
Second: Trustee Washburn
Vote: motion carries: unanimous.
5. Presentation and approval of the final budget for fiscal year 2021-22.
Discussion:

The General Manager presented the final budget for fiscal year 2021-22 with a few updates and changes from the prior version and fielded the following discussion. Vice-President Cooley asked for an update on the balance sheet question from the prior Board meeting (will have that update in the next day) and asked for clarification on the salary page of the budget (the wage excludes benefits which is found on the following page, the job titles are abbreviated, and salaries may be split into multiple rows if salary step increases occur in the upcoming year). Robert Ferdan added in the group chat that "Trustee Poulson can call my cell phone for help connecting to the meeting" at 5:08 P.M. and President Beatty added in the group chat: "Robert- Wendi is on now" at 5:14 P.M.

Motion: Vice-President Cooley moved to approve the budget for fiscal year 2021-22.

Second: Trustee Marquez

Vote: motion carries: unanimous

6. Presentation of the preliminary Engineers Report for fiscal year 2021-2022 by Melanie Guillory-Lee from SCI Consulting Group.

Discussion:

The General Manager introduced Melanie Guillory-Lee from SCI Consulting Group. Ms. Guillory-Lee presented the preliminary Engineers Report for fiscal year 2021-2022 and fielded the following discussion. Trustee Jordan asked for the page that had the original calculation for the benefit assessment (page 43) and asked for clarification on Albany being included in benefit assessment (it will be included for the first time in 2021-22). Trustee Jordan further asked for clarification on the process to include Albany in the benefit assessment (the General Manager explained the LAFCo annexation process that occurred from 2019-20). Trustee Cox asked if the single-family equivalent number is going up (the number will increase with additional housing construction but could decrease after a natural disaster). President Beatty asked about the \$6.69 amount (explained that \$5.00 was initially approved in 2008 and that increased to \$6.69 from compounding CPI since, but the District only collects \$2.50). President Beatty asked if there was a motion this meeting regarding the approval of the engineer's report (yes, Resolution 1090-1, item 7). The General Manager noted a typo in the Resolution that will be corrected in the signed copy. Secretary Bhat added a group chat comment: "Sorry that I was a few minutes late but logged in now" at 5:22 P.M.

7. Resolution 1090-1 intending to continue assessments for fiscal year 2021-22, preliminarily approving the engineer's report, and providing for notice of hearing.

Motion: Trustee Aguilar moved to preliminarily approve Resolution 1091-1 intending to continue assessments for fiscal year 2021-22, preliminarily approving the engineer's report, and providing for notice of hearing.

Second: Trustee Roache

Vote: motion carries: unanimous.

8. Review of bid and awarding of contract for the Biological Assessment.

Discussion:

The General Manager introduced Regulatory and Public Affairs Director Erika Castillo who reviewed the bid for the Biological Assessment and suggested awarding the contract to Environmental Science Associates (ESA) while fielding the following discussion. President Beatty and Trustee Washburn both commented on how inexpensive the bid was. Trustee Washburn also asked if Ms. Castillo could explain the endangered species that could potentially be impacted by the work ACMAD does (explained, also found in the report). Trustee Jordan thanked Ms. Castillo for her work and asked for clarification on the map pertaining to Tidal Wetland Projects (those are the consultant's completed projects) and

asked if the consultant will make site visits to all of the sites (they are not required to make site visits for this assessment). President Beatty asked which other Districts were included (Marin-Sonoma, Solano, San Mateo, and Napa)

Motion: Trustee Aguilar moved to approve the contract to Environmental Science Associates (ESA) for the Biological Assessment.

Second: Trustee Kumagai

Vote: motion carries: unanimous.

9. Presentation on Sterile Insect Techniques (SITs) by Lab Director, Eric Haas-Stapleton, PhD.

Discussion:

The General Manager introduced Laboratory Director Eric Haas-Stapleton and gave a brief background of the subject of the presentation. Dr. Haas-Stapleton presented on Sterile Insect Techniques (SITs) and fielded the following discussion. President Beatty asked if there was an economy of scale for the *Wolbachia* technology per house (yes) and asked if the *Wolbachia* mosquito sex-separating machine was available for purchase (no, residents would be paying for the complete service). Trustee Hentschke asked if female mosquitoes mate with multiple males (yes). Trustee Washburn added that male mosquitoes can move previous sperm out of female mosquitoes. Trustee Jordan asked if the sterile female mosquitoes could still bite (yes, but there would be no subsequent generation if sterile and they would be weakened by the irradiation) and asked how the sterility would be observed (a fluorescent marker for GMO mosquitoes). Trustee Washburn added that males emerge before females. Trustee Testa asked why male mosquitoes were the focus for sterility efforts (males do not bite so are less of a nuisance when added to the environment). Trustee Washburn added that females bite to get protein to produce eggs. Trustee Testa asked about the possibility of adding predators of adult mosquitoes to the environment (predator release for controlling adult mosquitoes is not effective). Trustee Washburn added that there are limited to no predators of invasive mosquitoes in the environment. Secretary Bhat asked about the cost-effectiveness of SIT (explained differences in initial pricing but most technologies are still in the experimental stage with no specific costs available). Trustee Jordan asked which technologies have been approved outside of California (Trustee Washburn related his knowledge of trials in Brazil and President Beatty commented on use of *Wolbachia* in Australia). Regulatory and Public Affairs Director Castillo noted that *Wolbachia* use has been approved nationwide for *Aedes albopictus*. Trustee Washburn noted the effectiveness of *Wolbachia* as well as the public apprehension to GMO technologies. President Beatty asked if other districts were using SIT (there are districts in California interested in the technologies, but none currently using them). The General Manager commented on the memo he had sent out to the Board regarding SITs and mentioned that staff may ask the Board for approval, in the form of a resolution, of exploring the technology further. Trustee Jordan asked if there were any off-target species effected by *Wolbachia* (Trustee Washburn explained how common *Wolbachia* is in the insect world). The Board thanked Dr. Haas-Stapleton for his presentation.

10. Financial Reports as of April 30th, 2021.

Discussion:

The General Manager presented the Financial Reports as of April 30th, 2021 and thanked those Trustees for signing checks.

11. Presentation of the Monthly Staff Report.

Discussion:

The General Manager presented the Monthly Staff Report for Operations. Lab Director Haas-Stapleton gave the Lab Report. President Beatty asked for clarification on monthly

EVS trap numbers (Haas-Stapleton clarified that the numbers represented one night of trapping and he will address the specific trap nights in subsequent reports). Regulatory and Public Affairs Director Erika Castillo gave the PR report and noted a typo on the “Channels Used for Service Requests” pie chart.

12. Presentation of the Manager’s Report.

Discussion:

The General Manager presented the Manager’s Report and fielded the following discussion. The General Manager congratulated Trustee Mingst and Vector Biologist Jeremy Sette for their one- and six-year anniversary of service to the District, respectively and updated the Board the Georgean Vonheeder-Leopold was selected as the Alternate LAFCo Commissioner. President Beatty asked for clarification on upcoming in-person Board meeting logistics mentioned by the General Manager (details will be addressed closer to the next Board meeting). President Beatty asked if the recent break-in included the building (no, just the yard of some batteries and old tools). Trustee Aguilar commented in the group chat: “Shawn lost power” at 6:46 P.M.

13. Board President Beatty asked for reports on conferences and seminars attended by Trustees. None.

14. Board President Beatty asked for announcements from the Board. None.

15. Board President Beatty asked trustees for items to be added to the agenda for the next Board meeting. The General Manager asked if the Finance Committee would like a market report from PFM related to our OPEB now, or after the next quarter around September. Vice-President Cooley remarked if anyone was interested to contact the General Manager. Secretary Bhat noted that he is fine to wait until September for the presentation.

16. The meeting adjourned at 6:50 P.M.

Respectfully submitted,

Approved as written and/or corrected
at the 1091st meeting of the Board of
Trustees held June 9th, 2021.

P. Robert Beatty, President
BOARD OF TRUSTEES

Subru Bhat, Secretary
BOARD OF TRUSTEES

RESOLUTION NO. 1091-1

**A RESOLUTION APPROVING THE ENGINEERING'S REPORT, AND ORDERING THE LEVY OF
CONTINUED ASSESSMENTS FOR FISCAL YEAR 2021-22
FOR THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
MOSQUITO AND DISEASE CONTROL ASSESSMENT**

WHEREAS, the Alameda County Mosquito Abatement District ("District") is authorized, pursuant to the authority provided in Health and Safety Code Section 2082 and Article XIIIID of the California Constitution, to levy assessments for mosquito and disease control projects and services; and

WHEREAS, such mosquito surveillance and control projects and services provide tangible public health benefits, reduced nuisance benefits and other special benefits to the public and properties with the areas of service; and

WHEREAS, an assessment for mosquito and disease control projects and services has been given the distinctive designation of the "Mosquito and Disease Control Assessment" ("Assessment"), and is primarily described as encompassing the boundaries of Alameda County; and

WHEREAS, the Assessment was authorized by an assessment ballot proceeding conducted in 2008 and approved by 70.19% of the weighted ballots returned by property owners, and such Assessments were levied by the Board of Trustees of the Alameda County Mosquito Abatement District by Resolution No. 937-1 passed on May 14, 2008;

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Alameda County Mosquito Abatement District that:

SECTION 1. SCI Consulting Group, the Engineer of Work, prepared an engineer's report in accordance with Article XIIIID of the California Constitution and Section 2082, et. seq., of the Health and Safety Code for the Assessment (the "Report"). The Report have been made, filed with the District and duly considered by the Board and is hereby deemed sufficient and approved. The Report shall stand as the Engineer's Report for all subsequent proceedings under and pursuant to the foregoing resolution.

SECTION 2. On May 12, 2021, this Board adopted Resolution No. 1090-1 to continue to levy and collect the Assessments for fiscal year 2021-22, preliminarily approving the Engineer's Report, and providing for notice of hearing on June 9, 2021, at the hour of 5 o'clock p.m. The Board meetings will be held remotely in accordance with Governor Gavin Newsom's Executive Order N-25-20, issued March 12, 2020, and Government Code Section 54954(e). In an effort to improve access to public information, residents may access meetings remotely, by telephone, computer, or mobile through Zoom.

SECTION 3. At the appointed time and place the hearing was duly and regularly held, and all persons interested and desiring to be heard were given an opportunity to be heard, and all matters and things pertaining to the levy of Assessment were fully heard and considered by this Board, an

all oral statements and all written protests or communications were duly heard, considered and overruled, and this Board there by acquired jurisdiction to order the levy of Assessment prepared by and made a part of the Engineer's Report to pay the costs and expenses thereof.

NOW, THEREFORE, IT IS FOUND, DETERMINED, RESOLVED AND ORDERED, that:

SECTION 4. The above recitals are true and correct.

SECTION 5. The public interest, convenience and necessity require that the levy be made.

SECTION 6. The assessment is levied without regard to property valuation.

SECTION 7. The Engineer's Report for the Assessment together with the proposed Assessment roll for fiscal year 2021-22 is hereby confirmed and approved.

SECTION 8. That based on the oral and documentary evidence, including the Engineer's Report offered and received at the public hearing, the Board expressly finds and determines that: (a) each of the several lots and parcels of land subject to the Assessment will be specially benefited by the services to be financed by the Assessment proceeds in at least the amount of the Assessment apportioned against such lots and parcels of land, respectively; and (b) that there is substantial evidence to support , and the weight of the evidence preponderates in favor of, said finding and determination as to special benefit to property from the mosquito and disease control services to be financed with Assessment proceeds.

SECTION 9. That Assessments for fiscal year 2021-22 shall be levied at the rate of two dollars and fifty cents (\$2.50) per single family equivalent benefit unit as specified in the Engineer's Report for fiscal year 2021-22 with estimated total annual Assessment revenues as set forth in the Engineer's Report; and

SECTION 10. That the mosquito and disease control project and services to be financed with Assessment proceeds described in the Engineer's Report are hereby ordered.

SECTION 11. No later than August 10th following such adoption, the Board shall file a certified copy of the Assessment and a certified copy of this resolution with the Auditor of the County of Alameda ("County Auditor"). Upon such filing, the County Auditor shall enter on the County assessment roll opposite each lot or parcel of land the amount of Assessment. The Assessments shall be collected at the same time and in the same manner as County taxes are collected and all the laws providing for collection and enforcement shall apply to the collection and enforcement of the Assessments. After collection by the County, the net amount of the Assessments, after deduction of any compensation due the County for collection, shall be paid to the Mosquito and Disease Control Assessment.

SECTION 12. All revenues from Assessments shall be deposited in a separate fund established under the distinctive designation of the Alameda County Mosquito Abatement District Mosquito, and Disease Control Assessment.

SECTION 13. The Assessment, as it applies to any parcel, may be corrected, cancelled or a refund granted as appropriate, by order of the Board of Trustees of the District. Any such corrections, cancellations or refunds shall be limited to the current fiscal year.

SECTION 14. The Board of Directors of the Alameda County Mosquito Abatement District hereby certifies that the assessments to be placed on the fiscal year 2021-22 property tax bills meet the requirements of Proposition 218 that added Articles XIIC and XIID to the California Constitution.

PASSED and ADOPTED by the Alameda County Board of Trustees for the Alameda County Mosquito Abatement Program at a regular meeting thereof held on June 9, 2021, at 23187 Connecticut Street, Hayward, California, by the following vote:

AYES:

NOES:

ABSTAINED:

ABSENT:

President, Board of Trustees, Alameda County Mosquito
Abatement District

ATTEST:

Secretary of the Board of Trustees, Alameda County
Mosquito Abatement District

Alameda County Mosquito Abatement Dist.

Check Register

For the Period From May 1, 2021 to May 15, 2021

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
2659	5/12/21	Adapco	22,939.95
2660	5/12/21	Airgas	632.38
2661	5/12/21	AT&T	147.49
2662	5/12/21	Campbell, Cornelius	61.49
2663	5/12/21	Cintas	330.42
2664	5/12/21	Coverall North America, Inc.	495.00
2665	5/12/21	D&H Painting	21,275.00
2666	5/12/21	East Bay EDA	1,500.00
2667	5/12/21	Grainger	22.96
2668	5/12/21	Guaranteed Auto Service	937.27
2669	5/12/21	Industrial Park Landscape Maintenance	226.00
2670	5/12/21	Namakan West Fisheries	500.00
2671	5/12/21	PC Professional	3,721.25
2672	5/12/21	PFM Asset Management	1,926.26
2673	5/12/21	PG&E	262.60
2674	5/12/21	Target Specialty Products	18,231.88
2675	5/12/21	U.S Bank Corporate Payment System	8,949.31
2676	5/12/21	Voya Institutional Trust Company	178.51
ACH	5/12/21	Alameda County Mosquito Abatement Dist (Payroll)	77,684.27
ACH	5/12/21	CalPERS Retirement	14,616.21
ACH	5/12/21	CalPERS 457	3,081.21
Total Expenditures - May 15, 2021.			177,719.46

Alameda County Mosquito Abatement Dist.
Check Register
For the Period From May 16, 2021 to May 31, 2021

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
2677	5/25/21	Airgas	478.49
2678	5/25/21	Alemayehu, Dereje	82.00
2679	5/25/21	Bay Alarm	534.73
2680	5/25/21	Bri Communications	7,600.00
2681	5/25/21	Cintas	330.42
2682	5/25/21	Guaranteed Auto Service	208.79
2683	5/25/21	Hayward Water System	658.34
2684	5/25/21	Hentschke, Eric Armin	100.00
2685	5/25/21	NBC Supply Corp	395.10
2686	5/25/21	NRAAA Janitorial Services	600.00
2687	5/25/21	PG&E	47.63
2688	5/25/21	Regional Government	46.20
2689	5/25/21	Sette, Jeremy	110.00
2690	5/25/21	Techniclean	177.45
2691	5/25/21	Testa, Julie	100.00
2692	5/25/21	The Hartford	80.55
2693	5/25/21	Verizon	945.13
2694	5/25/21	Veseris	12,606.20
2695	5/25/21	VSP	710.23
2696	5/25/21	Waste Management of Alameda County	836.70
2697	5/25/21	WEX Bank	3,849.92
2698	5/25/21	Young, George	100.00
2699	5/25/21	Voya Institutional Trust Company	178.51
ACH	5/25/21	Alameda County Mosquito Abatement Dist (Payroll)	80,080.68
ACH	5/25/21	Aguilar, Victor	100.00
ACH	5/25/21	Beatty, Robert .P	100.00
ACH	5/25/21	Bhat, Subrahmanya Y	100.00
ACH	5/25/21	CalPERS Health	37,541.57
ACH	5/25/21	CalPERS Retirement	14,616.21
ACH	5/25/21	CalPERS 457	3,081.21
ACH	5/25/21	Cooley, Elizabeth	100.00
ACH	5/25/21	Cox, Steven	100.00
ACH	5/25/21	Jordan, Preston	100.00
ACH	5/25/21	Kumagai, Shawn	100.00
ACH	5/25/21	Marquez, Elisa	100.00
ACH	5/25/21	Mingst, Andrew	100.00
ACH	5/25/21	Poulson, Wendi Lynn	100.00
ACH	5/25/21	Roache, Cathy J Pinkerton.	100.00
ACH	5/25/21	Washburn, Jan	100.00
Total Expenditures - May 31, 2021.			167,296.06

Alameda County Mosquito Abatement District
Income Statement
May 31, 2021. (11 of 12 mth, 92%)

REVENUES	Actual 2018/19	Actual 2019/20 ¹	Current Month	Year to Date 2020/21	Budget 2020/21	Actual vs Budget
Total Revenue	\$ 4,922,549.00	\$ 4,986,220.87	\$ 198,869.80	\$ 5,115,122.12	\$ 4,346,513.00	118%

EXPENDITURES	Actual 2018/19	Actual 2019/20 ¹	Current Month ²	Year to Date 2020/21	Budget 2020/21	Actual vs Budget
Salaries	\$ 1,894,209.00	\$ 1,980,518.00	\$ 173,712.36	\$ 1,857,213.55	\$2,116,177	88%
CalPERS Retirement	\$ 310,838.00	\$ 378,833.00	\$ 17,249.18	\$ 406,215.60	\$423,350	96%
Medicare	\$ 25,149.00	\$ 29,651.00	\$ 2,555.27	\$ 25,114.75	\$31,278	80%
Fringe Benefits	\$ 452,960.00	\$ 465,466.00	\$ 38,332.35	\$ 458,729.79	\$527,031	87%
Total Salaries, Retirement, & Benefits	\$ 2,683,156.00	\$ 2,854,468.00	\$231,849	\$2,747,274	\$3,097,836	89%
Clothing and personal supplies (purchased)	\$ 8,899.00	\$ 6,214.00	\$ 165.21	\$ 3,379.92	\$10,000	34%
Laundry service and supplies (rented)	\$ 12,603.00	\$ 10,648.00	\$ 495.63	\$ 7,971.96	\$15,000	53%
Utilities	\$ 30,161.00	\$ 25,962.00	\$ 968.57	\$ 14,960.84	\$12,000	125%
Communications-IT	\$ 108,868.00	\$ 83,135.00	\$ 9,020.73	\$ 61,288.50	\$111,400	55%
Maintenance: structures & improvements	\$ 13,673.00	\$ 16,679.00	\$ 273.66	\$ 16,436.07	\$25,000	66%
Maintenance of equipment	\$ 43,629.00	\$ 20,600.00	\$ 1,037.94	\$ 18,609.93	\$35,000	53%
Transportation, travel, training, & board	\$ 98,433.00	\$ 95,814.00	\$ 7,169.74	\$ 65,346.23	\$122,400	53%
Professional services	\$ 115,324.00	\$ 112,887.00	\$ 1,972.46	\$ 78,052.54	\$176,200	44%
Memberships, dues, & subscriptions	\$ 20,774.00	\$ 26,317.00	\$ 1,500.00	\$ 20,413.95	\$23,337	87%
Insurance - (VCJPA, UAS)	\$ 124,688.00	\$ 134,834.00	\$ -	\$ 141,405.21	\$137,524	103%
Community education	\$ 34,861.00	\$ 22,734.00	\$ 7,676.00	\$ 22,459.62	\$38,575	58%
Operations	\$ 206,731.00	\$ 179,659.00	\$ 54,696.09	\$ 163,723.92	\$241,000	68%
Household expenses	\$ 18,655.00	\$ 14,817.00	\$ 1,807.18	\$ 14,108.20	\$16,750	84%
Office expenses	\$ 11,796.00	\$ 13,761.00	\$ 51.02	\$ 6,023.67	\$12,000	50%
Laboratory supplies	\$ 95,640.00	\$ 100,878.00	\$ 3,744.39	\$ 50,332.76	\$139,000	36%
Small tools and instruments	\$ 2,211.00	\$ 2,056.00	\$ 350.20	\$ 2,531.18	\$3,000	84%
Total Staff Budget	\$ 946,946.00	\$ 866,995.00	\$ 90,928.82	\$ 687,044.50	\$1,118,186	61%
Total Operating Expenditures	\$ 3,630,102.00	\$ 3,721,463.00	\$ 322,777.98	\$ 3,434,318.19	\$4,216,022	81%

Total Expenditures

1 - As of June 30, 2020.

2 - Total Operating Expenditures in current month may not match the check register due to accounts receivables and petty cash transactions.

**Alameda County Mosquito Abatement District
Investment, Reserves, and Cash Balance Report
May 31, 2021. (11 of 12 mth, 92%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Interest Activity	Ending Balance	
1004	LAIF	\$ 2,741,033.93	\$ -	\$ (322,000.00)	\$ -	\$ 2,419,033.93	
1005	OPEB Fund	\$ 5,183,789.81	\$ -	\$ -	\$ 40,008.36	\$ 5,223,798.17	
1006	VCJPA Member Contingency ¹	\$ 376,428.00	\$ -	\$ -	\$ (4,600.00)	\$ 371,828.00	
1008	CAMP: Repair and Replace	\$ 1,040,894.57	\$ -	\$ -	\$ 47.65	\$ 1,040,942.22	
1009	CAMP: Public Health Emergency	\$ 526,174.88	\$ -	\$ -	\$ 24.09	\$ 526,198.97	
1010	CAMP: Operating Reserve	\$ 1,944,160.96	\$ -	\$ -	\$ 89.00	\$ 1,944,249.96	
1011	CAMP: Capital Reserve Fund ²	\$ 42,102.03	\$ -	\$ (22,111.70)	\$ 1.37	\$ 19,991.70	
1012	PARS: Pension Stabilization ³	\$ 1,786,820.78	\$ -	\$ -	\$ 35,586.09	\$ 1,822,406.87	
Total		\$ 13,641,404.96	\$ -	\$ (344,111.70)	\$ 71,156.56	\$ 13,368,449.82	
		Beginning Balance			Withdrawals	Activity	Ending Balance
Cash Accounts							
1001	Bank of America (Payroll Account) *	\$ 108,846.98			-	-	\$ 109,792.82
1002	Bank of The West (Transfer Account) * ^{2 4}	\$ 263,637.18			-	-	\$ 2,258,990.85
1003	County Account ^{2 4}	\$ 2,168,716.86			\$ (2,011,180.43)	\$ 198,869.80	\$ 356,406.23
1013	Petty Cash	\$ 405.78			\$ -	\$ -	\$ 405.78
Total		\$ 2,541,606.80			\$ (2,011,180.43)	\$ 198,869.80	\$ 2,725,595.68

1 - VCJPA Member Contingency balance is as of March 31, 2021.

2 - \$22,111.70 transferred from CAMP: Capital Reserve Fund to Bank of the West for painting project.

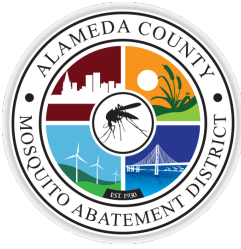
3 - PARS - Pension Stabilization balance is as of March 31, 2021.

4 - \$2,011,180.43 transferred from County Fund to Bank of the West. Will be transferred to LAIF.

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

Alameda County Mosquito Abatement
Balance Sheet Comparison
May

ASSETS	5/31/2021	5/31/2020	5/31/2019	Explanation
Current Assets				
Cash	\$ -	-	-	
Bank of America payroll	104,593.18	107,594.53	116,196.76	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	2,327,614.86	396,152.77	312,126.72	" "
County	356,406.23	317,766.53	198,772.77	Current balance in County account.
Cash with LAIF	2,419,033.93	1,048,188.85	3,337,839.55	Current balance in LAIF (working capital) account.
VCJPA - Property Contingency	-	-	52,025.00	
VCJPA - Member Contingency	371,828.00	369,337.00	348,346.00	Reserve amount with VCJPA (updated quarterly)
CAMP - Repair and Replace	1,040,942.22	976,101.17	420,800.69	Reserve committed to repair or replace capital assets.
CAMP - Public Health Emergency	526,198.97	525,187.39	515,718.25	Reserve committed for public health emergencies.
CAMP - Operating Reserve	1,944,249.96	1,940,512.29	1,905,524.79	Reserve committed as an emergency rainy-day fund (= to 60% of current year expenses)
CAMP - Capital Reserve Fund	19,991.70	131,241.90	230,857.54	Reserve for current year capital assets or non-capital facility maintenance
PARS	1,822,406.87	1,604,301.39	1,036,130.93	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.
Deposit in transfer	-	1,939,433.04	-	
Petty cash	405.78	224.83	365.88	To reimburse employees - under \$50
Total Current Assets	10,933,671.70	9,356,041.69	8,474,704.88	
Property and Equipment				
Acc Dep - equipment	(1,479,068.00)	(1,282,441.98)	(1,312,473.10)	Accumulated depreciation expense from date of purchase through current useful life, which reduces assets book values
Acc Dep - stru & improv	(2,484,430.30)	(2,349,631.01)	(2,333,252.95)	" "
Acc Dep - conts in progress	-	-	-	" "
Construction in progress	38,275.00	602,327.16	298,397.40	Accumulated cost of a project yet to be completed.
Equipment	1,751,859.00	1,699,506.64	1,619,670.10	Original cost of depreciable equipment item.
Structure/improvement	4,760,618.00	4,638,621.62	4,529,022.67	Original cost of depreciable structure/ improvement item.
Land	61,406.00	61,406.00	61,406.00	Original purchase price of owned land; will not change.
Total Property and Equipment	2,648,659.70	3,369,788.43	2,862,770.12	
Other Assets				
Net OPEB Asset	1,823,556.00	690,338.00	716,666.00	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	1,823,556.00	690,338.00	716,666.00	
Total Assets	\$ 15,405,887.40	\$ 13,416,168.12	\$ 12,054,141.00	
LIABILITIES AND CAPITAL				
Current Liabilities				
Accounts payable	\$ 104,526.08	\$ 165,962.03	\$ 107,203.50	Invoices due but yet to be paid.
AP Credit Card	-	-	26,885.93	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	200,290.26	187,668.43	167,855.50	District's debt from employees' unused vacation time.
Def inflow - 75	931,786.00	49,810.00	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	289,664.00	192,480.00	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	(1,056,534.00)	(1,208,279.00)	(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	3,277,554.00	2,952,714.00	2,642,666.00	Unfunded pension accrued liability as estimated by an actuary as of a given point of time.
Total Current Liabilities	3,747,286.34	\$ 2,340,355.46	\$ 2,977,839.93	
Long-Term Liabilities				
Total Long-Term Liabilities				
Total Liabilities	3,747,286.34	2,340,355.46	2,977,839.93	
Capital				
Designated fund balances	4,440,057.25	4,763,137.19	4,100,295.19	Board approved reserves for designated purposes.
Investment in general fixed as	5,296,151.61	4,637,374.11	3,641,667.79	Value of fixed assets less any accumulated depreciation and or debt.
Net Income	1,922,392.20	1,675,301.36	1,334,337.99	Net Income = Gross Income - Expenses
Total Capital	11,658,601.06	11,075,812.66	9,076,301.07	Sum of designated fund balances, investment in general fixed assets and net income.
Total Liabilities & Capital	\$ 15,405,887.40	\$ 13,416,168.12	\$ 12,054,141.00	



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MONTHLY STAFF REPORT –1091 (May DATA)

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1. OPERATIONS REPORT

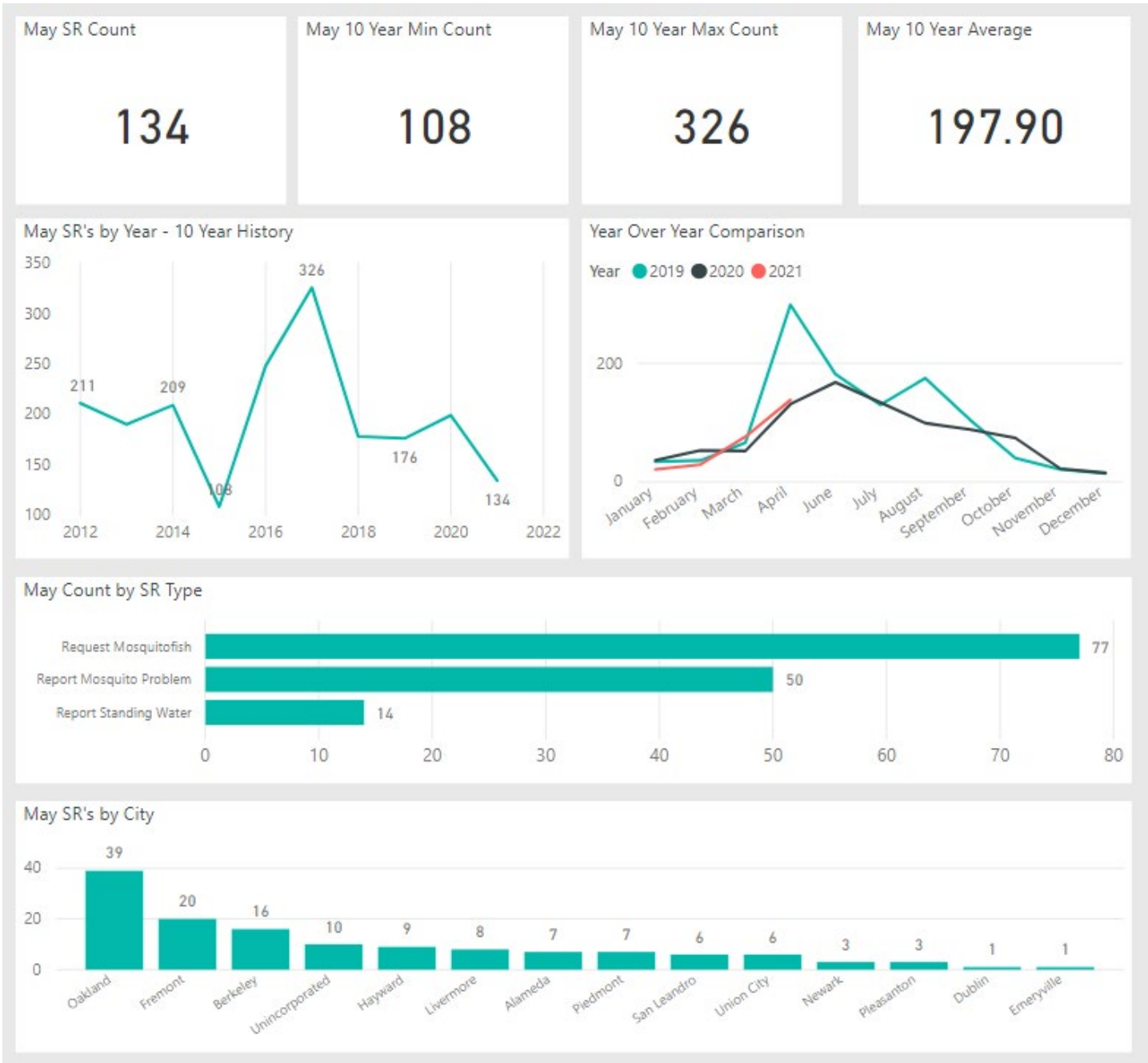
Another significant high tide series before the end of May resulted in the hatching of previously deposited eggs of *Aedes dorsalis* throughout tidal marshes mostly in the southern part of the county. Operations staff worked in several teams to perform treatments by hand and again with the A-1 Super Duty mist blower. The A-1 was also utilized on some tidal sources that it had not previously been used on. This machine continues to be an integral tool for treatments of this tidal species of mosquito. Operations has and continues to plan around these high-tide events and will do so for months to come. This pre-planning allows for a shift from other parts of the county to team-up operations staff to ensure these sources are treated in a timely fashion. *Ae. dorsalis* can mature from egg to adult in a matter of days, especially in warmer spring and summer temperatures. This species is an aggressive day-biting mosquito and can travel as far as 15 miles from the emergence source.

Throughout May, operations staff focused much of their efforts inspecting and treating sources for our main *Culex* species of mosquitoes. *Culex pipiens*, *Culex tarsalis*, and *Culex erythrothorax* are all competent vectors of West Nile virus (WNV) and can utilize numerous sources of standing water to breed throughout Alameda county. This part of ACMAD's program entails inspecting and treating sources such as catch basins, storm drains, creeks, canals, sewer plants, freshwater marshes, cemetery containers, and unmaintained swimming pools. Operations staff will continue to dedicate much of their time monitoring for larvae of the aforementioned *Culex* spp. in each city of the county for months to come. Consistent pressure on all three species should result in less adults being present in the environment with the ability to vector WNV. Based on data from the ACMAD lab, no West Nile virus positives have been detected in birds to date.

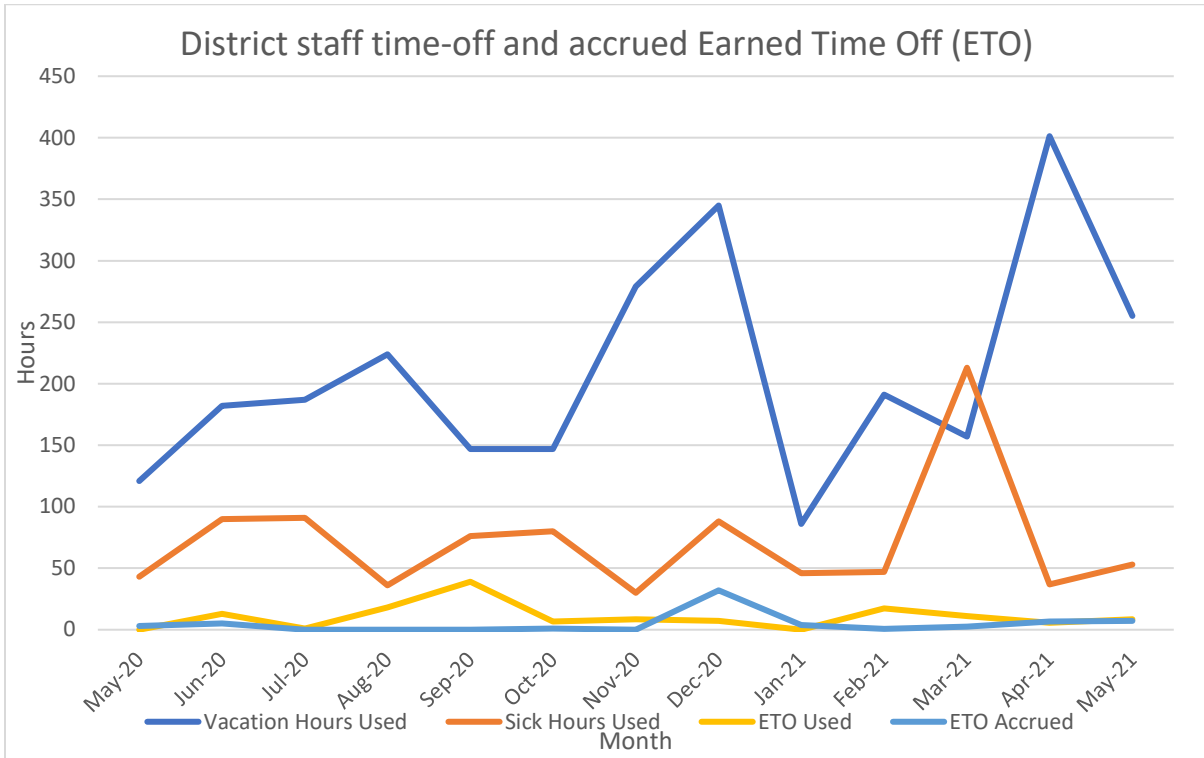
Joseph Huston
Field Operations Supervisor

A. District Data

1. April Service Requests

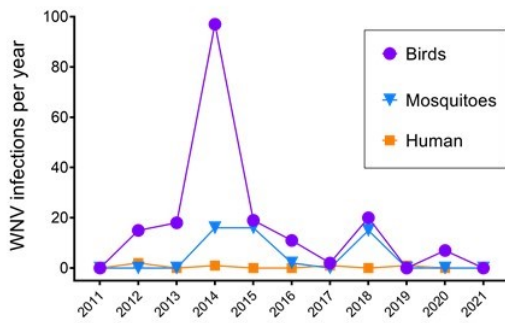


2. Activity Report

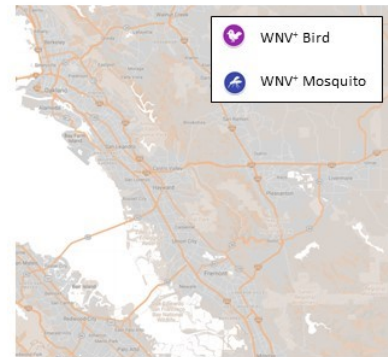


3. WNV Activity

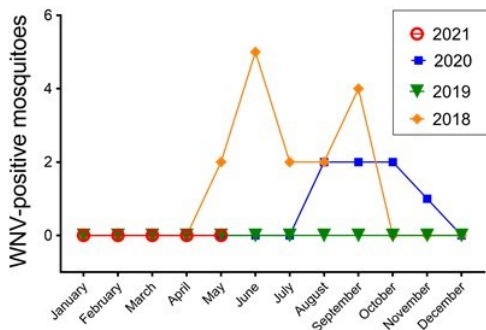
WNV infections detected in Alameda County 2011 – 2021



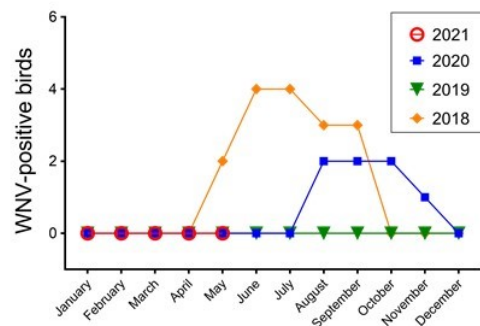
Locations of WNV-infected mosquitoes and birds collected in Alameda County during 2021



WNV-infected birds collected in Alameda County



WNV-infected mosquitoes collected in Alameda County



2. LAB

Summary

- *Arboviruses*. West Nile virus (WNV) was not detected in birds or mosquitoes during May 2021. Saint Louis encephalitis virus (SLEV) and Western equine encephalitis virus (WEEV) was not detected in Alameda County during the prior 5 years.
- *Native mosquitoes*. CO₂-baited encephalitis virus survey (EVS) traps collected 1.6-fold fewer mosquitoes during April 2021 relative to the prior month (168 nights with mosquitoes collected in trap). New Jersey Light Traps (NJLT) captured 1.8-fold fewer mosquitoes during April compared to the prior month (N = 24 trap collections).
- *Invasive mosquitoes*. Invasive *Aedes* mosquitoes were not detected in Alameda County during 2021.

Arbovirus Monitoring

- WNV was not detected in birds collected in Alameda County during April 2021. WNV was last detected in the county during November 2020 in an American crow.
- None of the mosquitoes that were collected during 2021 contained WNV, SLEV, or WEEV. WNV was last detected in mosquitoes during 2018. SLEV and WEEV have not been detected in the County for over a decade.

Native Mosquito Abundance

- Over the course of 556 trap nights, a total of 3,978 mosquitoes were captured in EVS traps during May 2021 (N = 553 traps). During the prior month, there were 2,257 mosquitoes captured using EVS traps (a 1.6-fold increase; Figure 1). *Culex tarsalis*, a WNV vector, was the most common species collected in the EVS traps during May 2021, representing 25% of the mosquitoes that were collected (Figure 2). The second most common species collected in EVS traps was *Aedes washioni* (23% of the total; Figure 1 and Figure 2).
- Increased number of EVS traps were placed throughout the county during May due to the efforts of one additional full-time staff that is temporarily assigned to the lab and a newly hired seasonal lab technician (Figure 3A). Mosquito abundance remained low in Albany, Berkeley and Oakland (Figure 3B). Abundance was moderately higher in the area near Alameda Point, but the majority of the collected mosquitoes were *Culiseta incidens*, which do not transmit WNV. The wetlands in and near Coyote Hills Regional Park (Fremont and Newark) continued to produce the greatest quantity of mosquitoes in the county during May (Figure 3C). The most abundant species in that region were *Ae. washioni*, *Culiseta particeps* and *Cx. tarsalis*, which are common in marsh habitats (Figure 3C). Although extensive trapping efforts were made in Livermore and Dublin, relatively few mosquitoes were captured in EVS traps (Figure 3D). 95 EVS traps that were placed during May did not capture any mosquitoes (Figure 1A insert).
- Mosquito abundance for April, as measured using NJLT, was similar the prior month (189 mosquitoes captured during May). *Culiseta incidens*, which is not, was most abundant species collected in NJLT (Figure 4). The greatest number of mosquitoes were collected in the Berkeley NJLT (n = 26; Figure 5).

FIGURES

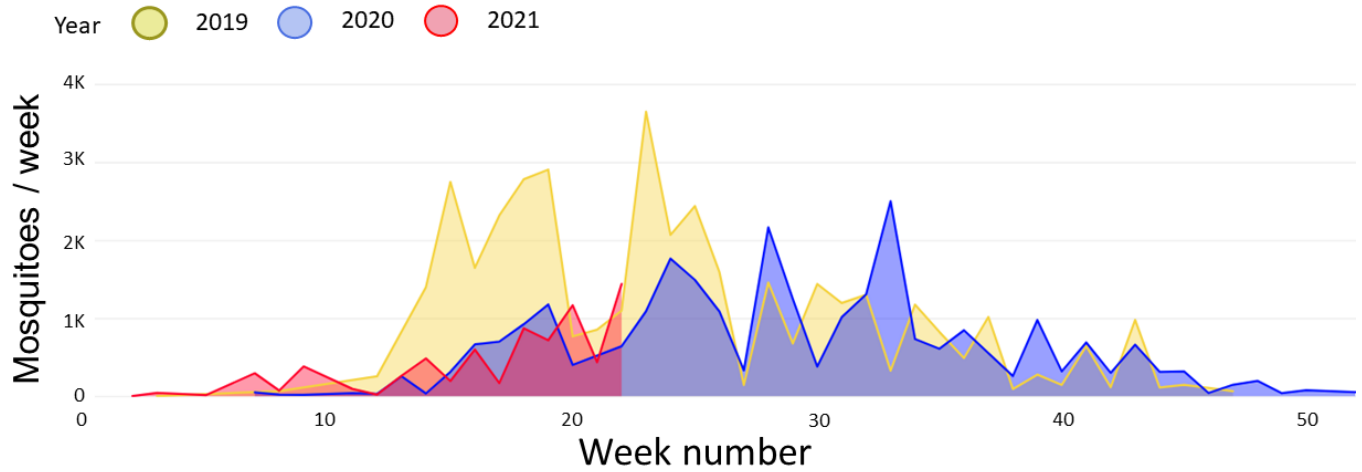


Figure 1. Mosquitoes captured in EVS CO₂ traps from 2019 – 2021. A total of 3,978 mosquitoes were captured in EVS CO₂ traps during May 2021 and identified to species.

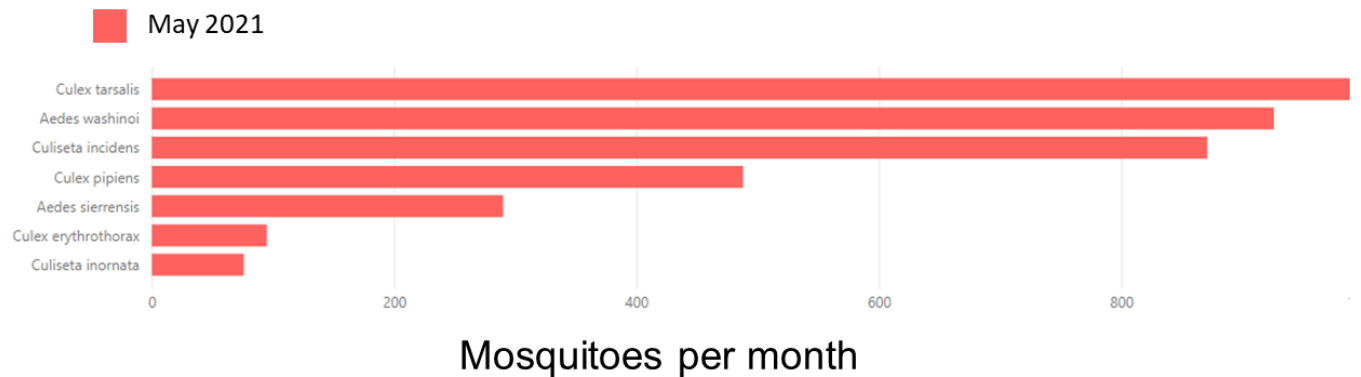
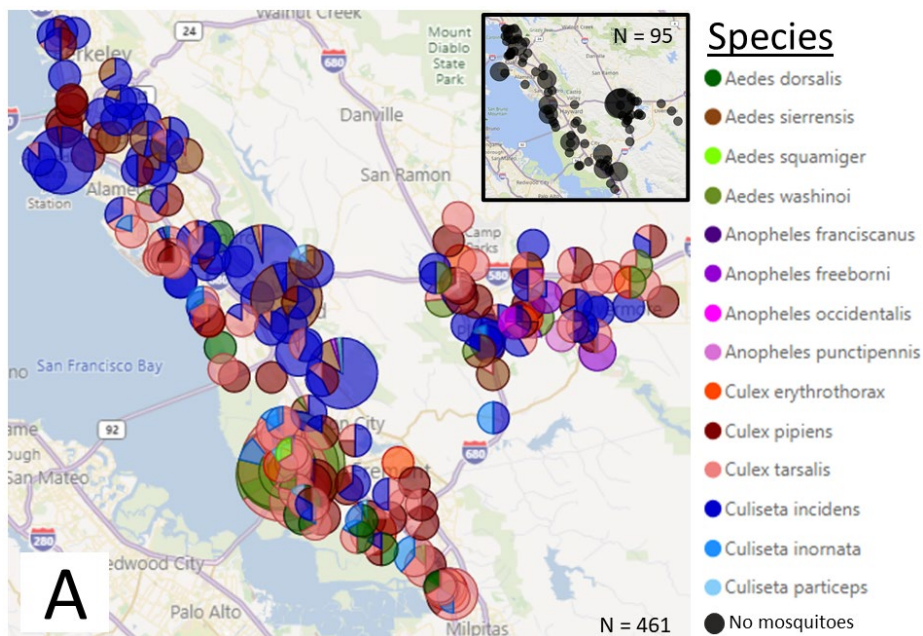


Figure 2. The most abundant species of mosquito captured using EVS CO₂ traps.



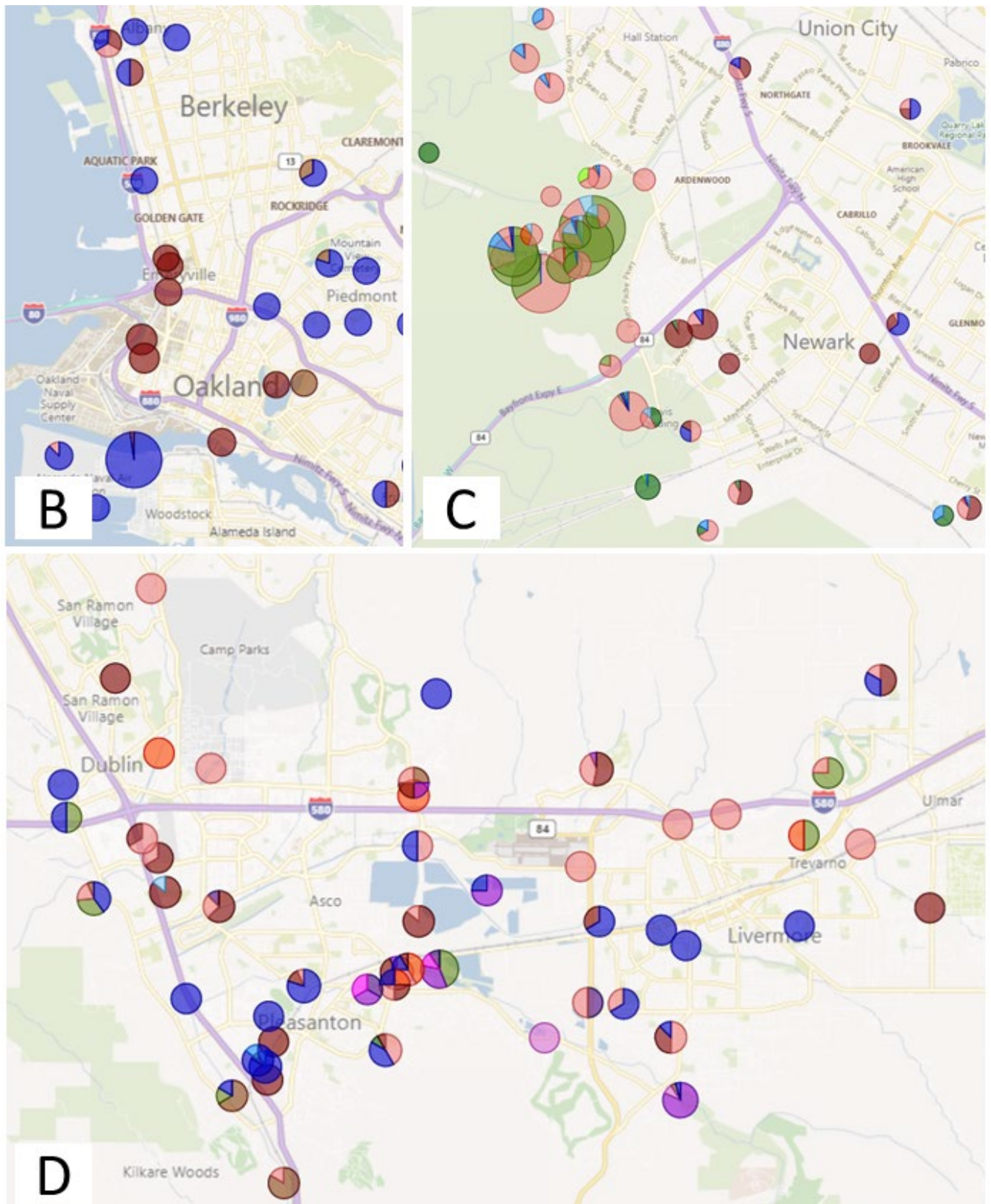


Figure 3. Mosquito abundance by trap site evaluated using EVS CO₂ traps. Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site. The size of the pie charts indicates the relative number of mosquitoes at each site during May 2021. (A) Alameda County. The insert shows traps that were placed but did not collect mosquitoes. (B) North Alameda County with low mosquito abundance. (C) Western

Union City and Newark. The largest pie chart in the bayside region of Union City represents 581 *Aedes washinoi*, 93 *Cx. tarsalis*, and 69 other mosquito species. (D) East Alameda County where mosquito abundance was low.

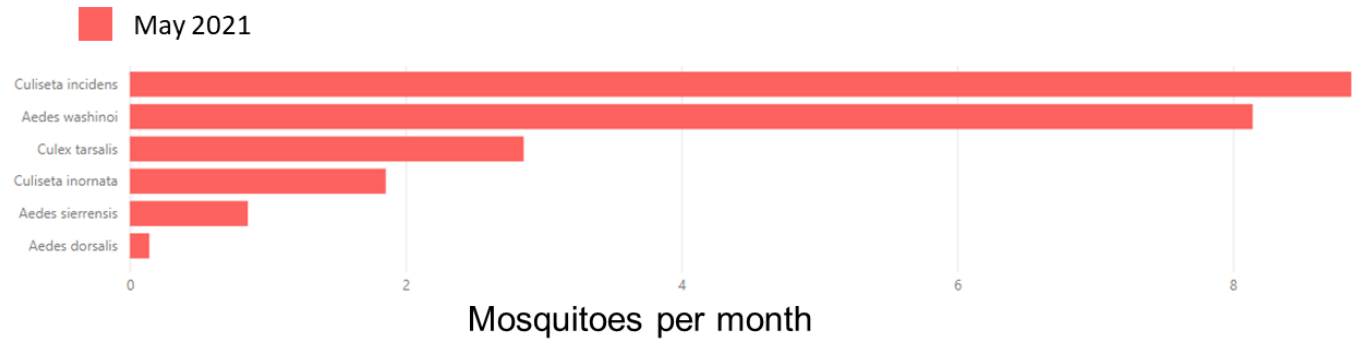


Figure 4. The most abundant species of mosquito captured in NJLT. A total of 189 mosquitoes were captured in NJLT.

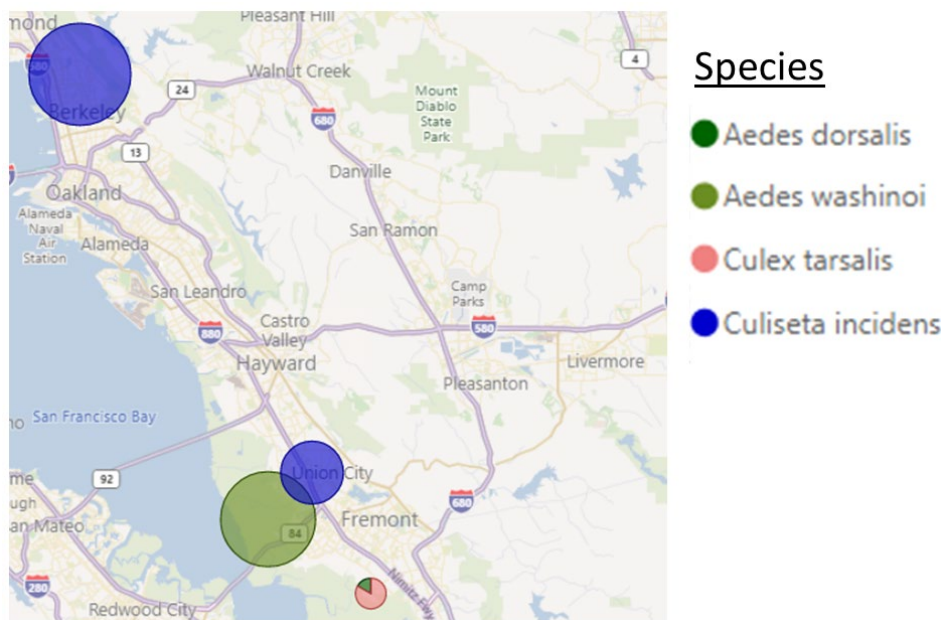


Figure 5. Geographic distribution of mosquito abundance in Alameda County evaluated using NJLT. Pie charts over trap sites indicate the distribution of mosquito species collected at the trap site. The largest pie chart in Berkeley represents 26 adult mosquitoes.

3. PUBLIC EDUCATION

A. Paid Advertisements

The spring/summer advertisement campaign through National CineMedia kicked off on 4/18 (the beginning of CA Mosquito Awareness Week) and will run till 7/31.

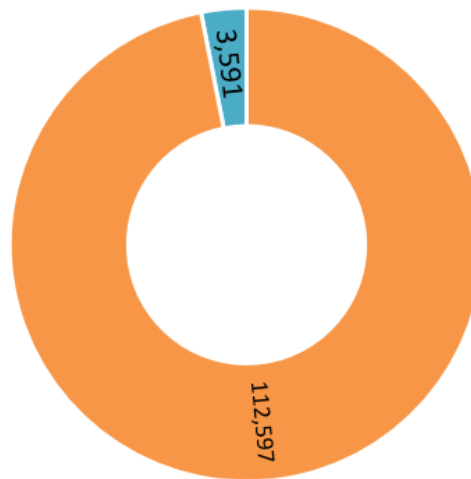
i. Streaming TV

A 30 second English video ad is running in all Alameda County zip codes. The video may air in the following streaming TV programming.



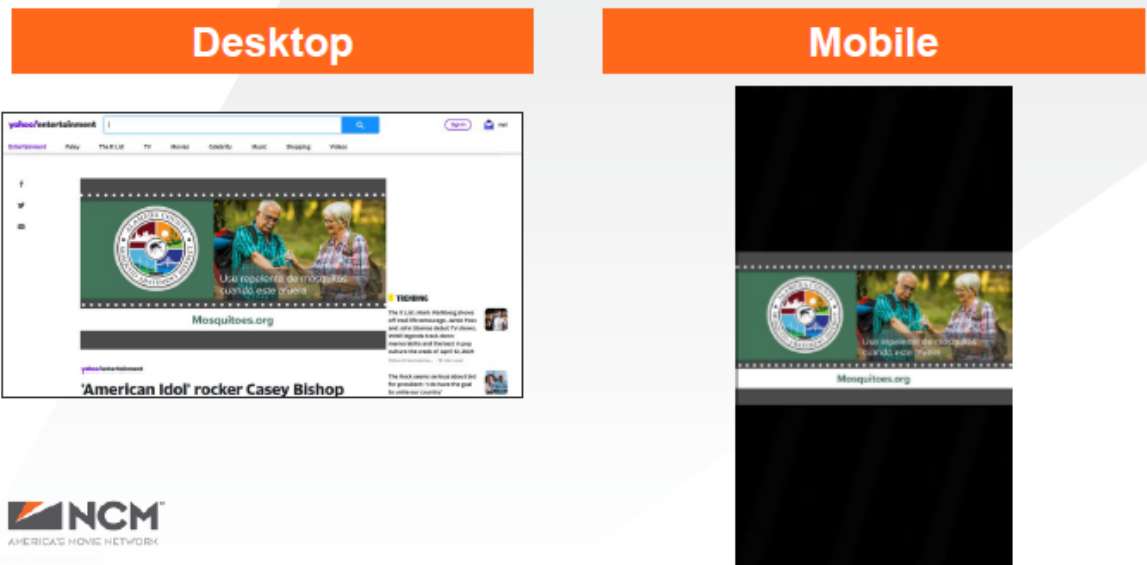
May Streaming TV Data

■ Videos Fully Watched ■ Videos Partially Watched

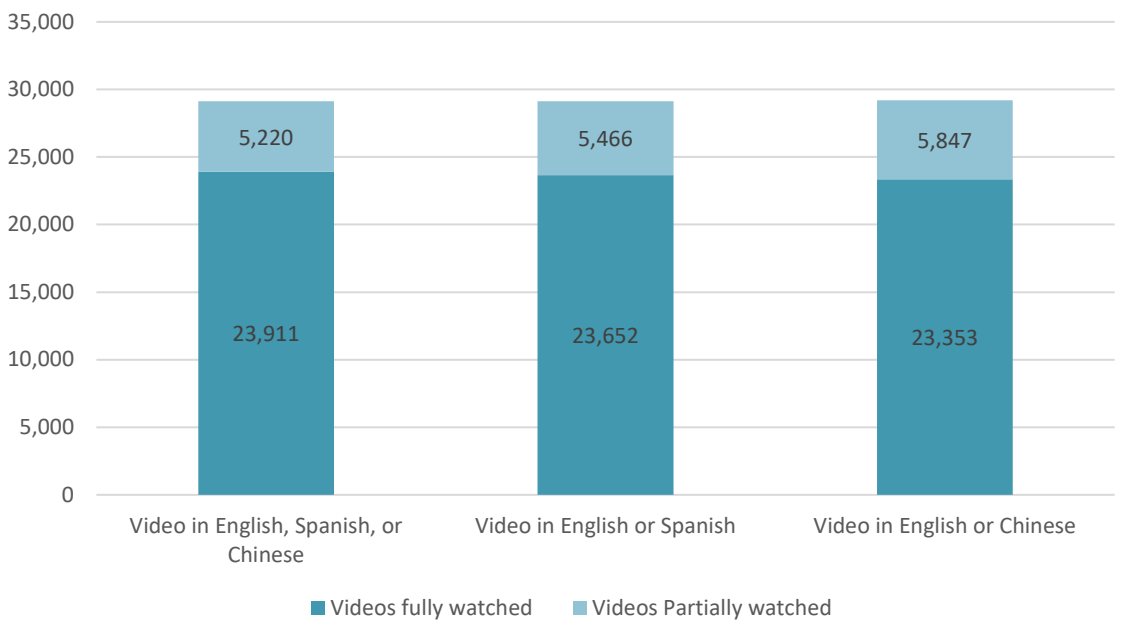


ii. **Computer and Mobile Device Videos**

Three 15 second videos are running in English (20 zip codes), Spanish (20 zip codes), and Mandarin/Simplified Chinese (6 zip codes) in select areas throughout Alameda County.



May Data for Computer and Mobile Device Videos



iii. **Coinstar Machines**

A 15 second silent video is running in 9 locations at grocery stores in Alameda County. Locations were chosen based on ethnic diversity of the surrounding community in the available locations.



Figure 1. Coinstar machine at Pak N Save on Floresta Blvd. in San Leandro



Figure 2. Map of Coinstar machines running ACMAD ads. The ads were shown a total of 67,398 times at the locations during the month of May.

B. Google Analytics

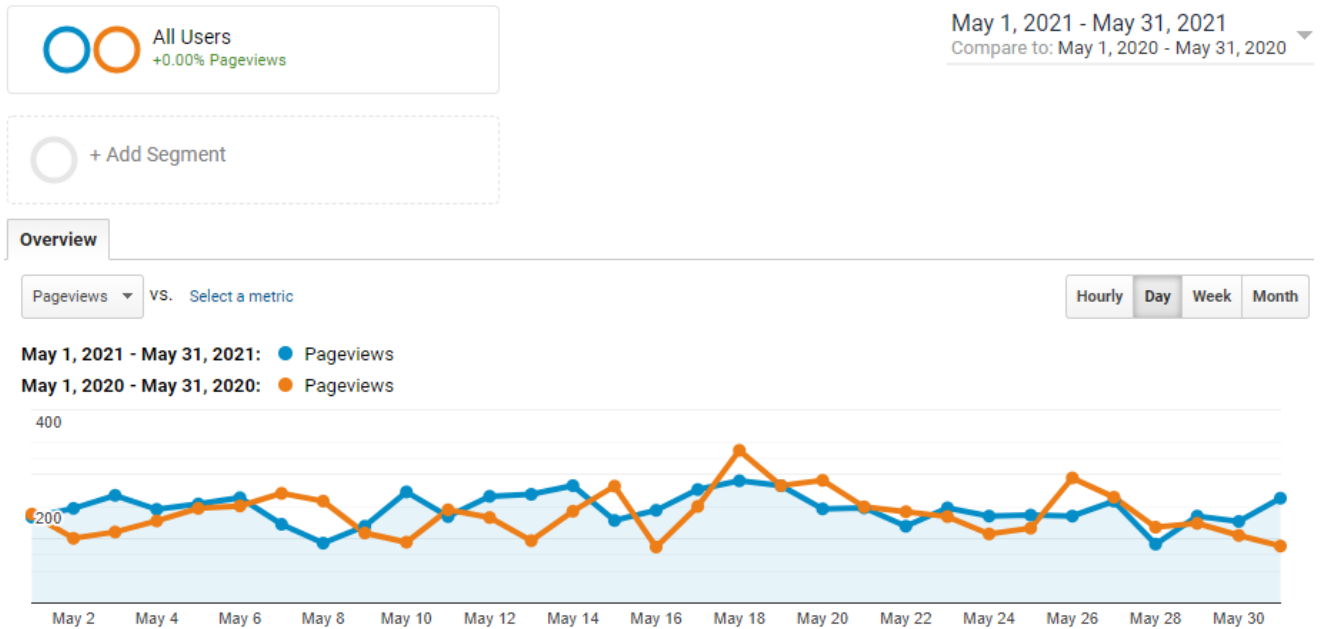


Figure 3. May website users for 2020 compared to 2021.

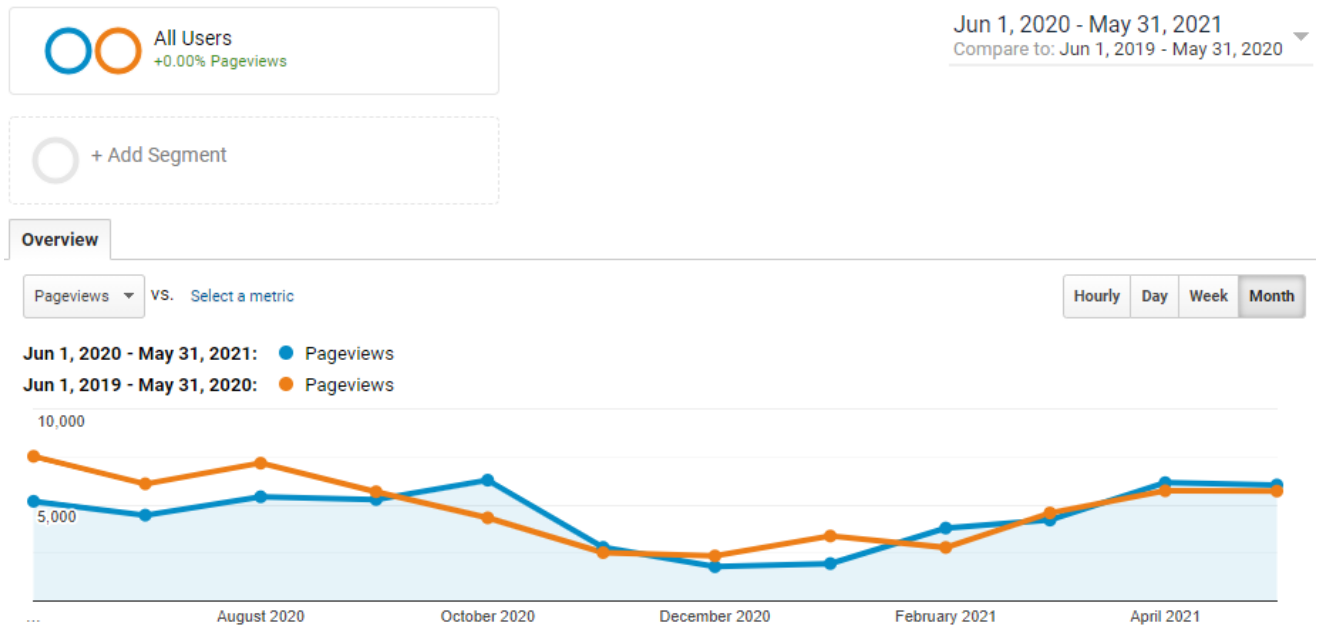
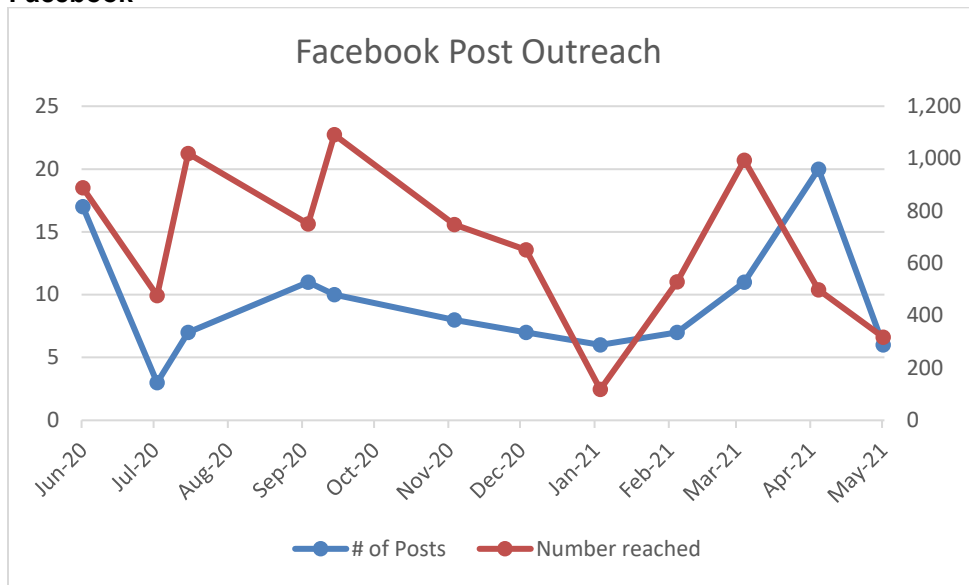


Figure 4. Comparison of website users over the past two years.

C. Facebook



Facebook: 6 posts, 317 number reached

Total Number of Followers: 313 (6 added in May)

Out in the sun and around mosquitoes?

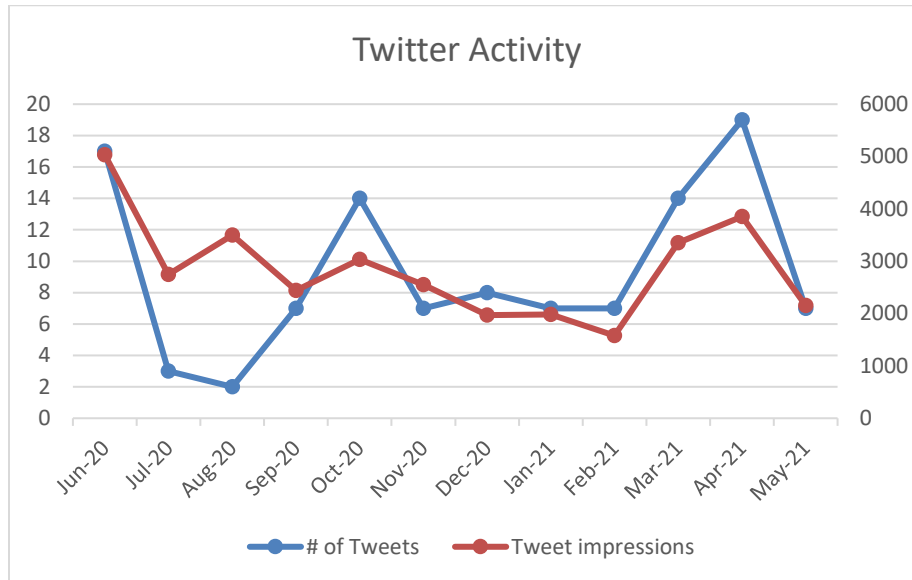



Remember: Sunscreen first, then repellent. You will need to reapply often, because repellent can make sunscreen less effective.



May's Most Popular Post: If you'll be out enjoying the weather this weekend don't forget this important tip! ☀️

D. Twitter



Number of Profile Visits in May: 162

Total Number of Followers: 747 (3 unfollowed since April)

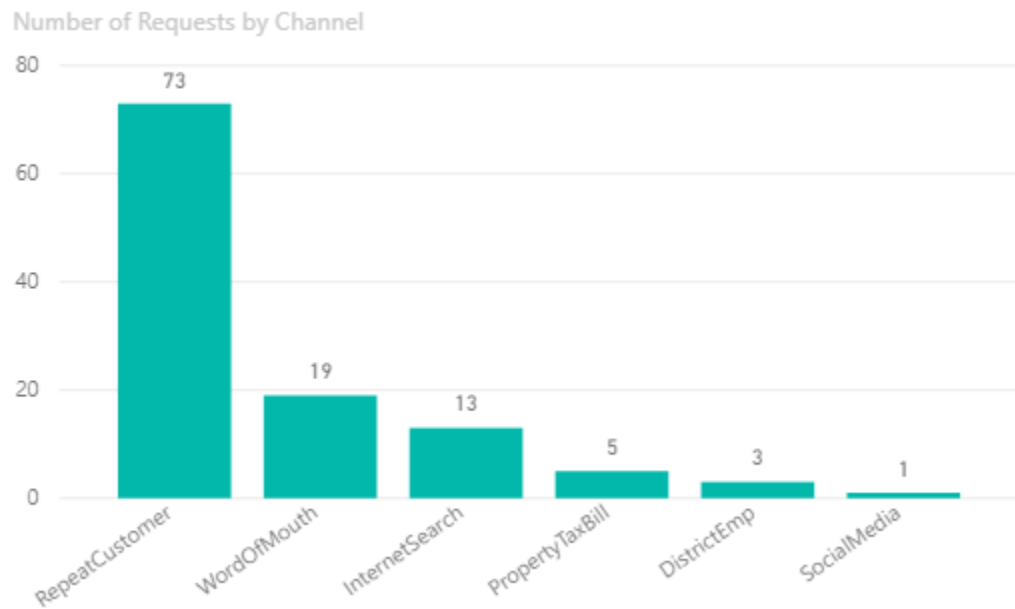
Wondering where to get your mosquito questions answered?

www.mosquitoes.org

Check out our website for information, to request service or to learn about our board meetings

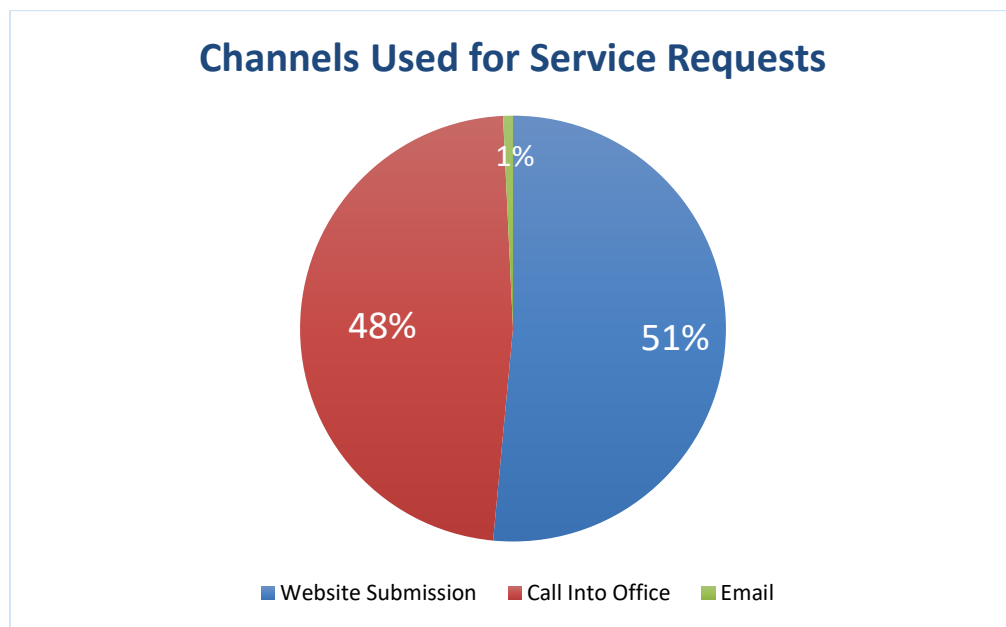
Top May Tweet: Have a question about mosquitoes or what we do? Our website can help with that!

E. Service Request Referral Summary for May

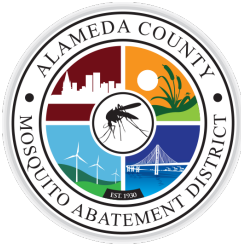


Note: Multiple residents listed two or more referrals

F. Channels Used by Residents to Request Service



134 requests in total, 69 web submissions, 64 calls and 1 email



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Elisa Márquez

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Livermore

Jan O. Washburn

Oakland

Eric Hentschke

Newark

Andrew Mingst

Piedmont

Julie Testa

Pleasanton

Victor Aguilar

San Leandro

Ryan Clausnitzer

General Manager

Background:

ACMAD is pleased to recognize and thank the following employee on their anniversaries in the month of June.

Employee	Title	Years of Service	Anniversary Date
Dereje Alemayehu	Vector Scientist	22	June 21st