

**AGENDA**  
1094<sup>th</sup> MEETING OF THE BOARD OF TRUSTEES  
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT  
SEPTEMBER 8TH, 2021

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TIME: 5:00 P.M.  
PLACE: Teleconference Only, **see below**  
TRUSTEES: P. Robert Beatty, President, City of Berkeley  
Subru Bhat Vice-President, City of Union City  
Victor Aguilar, Secretary, City of San Leandro  
Cathy Roache, County-at-Large  
Wendi Poulson, City of Alameda  
Preston Jordan, City of Albany  
Shawn Kumagai, City of Dublin  
City of Emeryville, vacant  
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

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 1093<sup>rd</sup> Regular Meeting held August 11<sup>th</sup>, 2021 (**Board action required**).
5. Review of bids and awarding of contract for the purchase of a 2022 Chevrolet Colorado 4WD Extended Cab 128" Work Truck (**Board action required**)
6. Presentation by Brian Laczko, Assistant Director-Capital Planning & Development and Trustee Rick Hatcher with the Hayward Area Recreation and Park District (HARD) on behalf of the Hayward Shoreline Planning Agency JPA (HASPA) (Information only).
7. Presentation on the unmaintained swimming pool aerial detection program, IT Director, Robert Ferdan (Information only).
8. Financial Reports as of August 31<sup>st</sup>, 2021: (Information only).
  - a. Check Register
  - b. Income Statement
  - c. Investments, reserves, and cash report
  - d. Balance Sheet
9. Presentation of the Monthly Staff Report (Information only).

10. Presentation of the Manager's Report (Information only).
  - a. Staff Anniversaries
  - b. CSDA Annual Conference verbal report
  - c. ACSDA Chapter Meeting: 9/8/21 8:00 A.M. via Zoom
  - d. ACMAD policy review process
  - e. EPA Experimental Use Permit (CA) Public Comment Period opened on August 31st
  - f. Upcoming city council presentations
  
11. Board President asks for reports on conferences and seminars attended by Trustees.
  
12. Board President asks for announcements from members of the Board.
  
13. Board President asks trustees for items to be added to the agenda for the next Board meeting.
  
14. 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# 857 2751 1787** followed by the pound (#) key.

**Computer:** Watch the live streaming of the meeting from a computer by navigating to <https://us02web.zoom.us/j/85727511787>

**Mobile:** Log in through the Zoom mobile app on a smartphone and enter **Meeting ID# 857 2751 1787**

**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

### 1093<sup>rd</sup> MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

August 11<sup>th</sup>, 2021

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TIME: 5:00 P.M.  
PLACE: *Zoom Teleconference Only*  
TRUSTEES: P. Robert Beatty, President, City of Berkeley  
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  
City of Emeryville, vacant  
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 5:02 P.M.
2. Trustees Beatty, Bhat, Roache, Poulson, Jordan, Hentschke, Mingst and Testa were present on the Zoom conference. Trustees Kumagai, Marquez, Cox and Washburn were absent. Trustee Young joined at 5:14 P.M. Trustee Aguilar joined at 5:20 P.M.
3. Board President Beatty invited members of the public to speak on any issue relevant to the District. Operations Supervisor Joseph Huston was present. Richard P. Shanahan, representing the law office Bartkiewicz, Kronick & Shanahan was present to give a presentation on vector abatement authority. 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 1092<sup>nd</sup> meeting held July 14<sup>th</sup>, 2021.  
**Motion:** Trustee Jordan moved to approve the minutes.  
**Second:** Trustee Testa  
**Vote:** motion carries: unanimous. Trustee Jordan commented on a typo regarding his group chat entry from the previous meeting. The General Manager replied that he will correct the typo. President Beatty commented that the minutes are detailed.
5. Election of vacant Board Officers.  
**Discussion:**

President Beatty noted that nominations were made last meeting to nominate Secretary Bhat and Trustee Aguilar as new Board Vice-President and Secretary, respectively.

**Motion:** Trustee Testa moved to elect Secretary Bhat and Trustee Aguilar as Board Vice-President and Secretary, respectively.

**Second:** Trustee Roache

**Vote:** motion carries: unanimous.

6. Presentation on Vector Abatement Authority by Richard P. Shanahan, representing the law firm Bartkiewicz, Kronick & Shanahan.

**Discussion:**

The General Manager noted that this item will be recorded for absent Board Members and asked for permission from attending Trustees. The General Manager introduced Richard P. Shanahan, representing the law firm Bartkiewicz, Kronick & Shanahan, who gave a presentation on vector abatement authority and fielded the following discussion. President Beatty noted that there were screen-sharing difficulties which the General Manager corrected. Trustee Bhat asked for clarification on the line “conduct vector-related surveillance programs” and how it pertained to UAS usage (depends on 4<sup>th</sup> amendment right-of-access laws). The General Manager clarified that the District is preparing for scenarios where these measures may need to be taken to combat invasive *Aedes* and asked if the Board is involved with the warrant process (no, generally only with District staff). President Beatty asked if the Board must be involved in abatement proceedings (yes) and asked for clarification if the District needed right-of-access rights, should the Board be informed (yes). Vice-President Bhat commented that it was a great presentation. Trustee Jordan asked if Mr. Shanahan had experience working with districts that have had to use these procedures for *Aedes aegypti* cases (not currently and noted that the process takes time). President Beatty asked how often nuisance abatement is used throughout the state (depends on the district as certain districts use abatement more often than others). The General Manager noted that he would be stopping the recording and thanked Shanahan for his presentation and his service to the District throughout the years. President Beatty asked if Mr. Shanahan gets involved with each Sac-Yolo County Mosquito and Vector Control abatement procedure (yes, when necessary). Trustee Jordan commented on how the presentation would be beneficial for invasive *Aedes* preparation. Mr. Shanahan thanked the Board for their attention.

7. Financial Reports as of July 31<sup>st</sup>, 2021.

**Discussion:**

The General Manager presented the Financial Reports as of July 31<sup>st</sup>, 2021, and fielded the following discussion. President Beatty asked for clarification on the Leading Edge check (pool fly over contract). Trustee Poulson asked for clarification on the \$1 for the Port of Oakland (insurance purposes with the Port).

8. Presentation of the Monthly Staff Report.

**Discussion:**

Operations Supervisor Joseph Huston and the General Manager gave the monthly staff report and fielded the following discussion. President Beatty asked if “high tide events” happen every year and how often (yes, they normally occur each year during certain seasons, and this year occurring more frequently than in recent memory). The General Manager noted that the lower service request count for the month could reasonably be attributed to tidal marsh control efforts and that high tide cycles are monitored by the height of the tide.

9. Presentation of the Manager's Report.

**Discussion:**

The General Manager presented the Manager's Report and fielded the following discussion. President Beatty asked when the Thursday December 2<sup>nd</sup> AB 1825 training would be (the morning).

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

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

12. Board President Beatty asked trustees for items to be added to the agenda for the next Board meeting. Information Technology Director, Robert Ferdan will be reporting on the unmaintained swimming pool process. President Beatty asked if the Board will be returning to in-person meetings in October (as of now, yes). The General Manager noted that old District mosquito control related film has been found and restored and will be shown to the Board. President Beatty commented on how useful Richard Shanahan's presentation was. Vice President Bhat was pleased that the presentation was concise and given in layman's terms which Trustee Poulson agreed.

13. The meeting adjourned at 6:11 P.M.

**Respectfully submitted,**

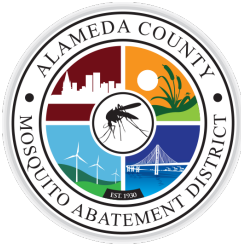
Approved as written and/or corrected  
at the 1094<sup>th</sup> meeting of the Board of  
Trustees held September 8<sup>th</sup>, 2021

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P. Robert Beatty, President  
BOARD OF TRUSTEES

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Victor Aguilar, Secretary  
BOARD OF TRUSTEES



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Hayward, CA 94545

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F: (510) 783-3903

[acmad@mosquitoes.org](mailto:acmad@mosquitoes.org)

**Board of Trustees**

**President**

P. Robert Beatty

**Berkeley**

**Vice-President**

Subru Bhat

**Union City**

**Secretary**

Victor Aguilar

**San Leandro**

Cathy Roache

**County at Large**

Wendi Poulson

**Alameda**

Preston Jordan

**Albany**

Shawn Kumagai

**Dublin**

George Young

**Fremont**

vacant

**Emeryville**

Elisa Márquez

**Hayward**

Steven Cox

**Livermore**

Jan O. Washburn

**Oakland**

Eric Hentschke

**Newark**

Andrew Mingst

**Piedmont**

Julie Testa

**Pleasanton**

**Ryan Clausnitzer**

*General Manager*

**Vehicle Replacement Purchase Approval and Capital Asset Disposition**

A 2022 Chevrolet Colorado 4WD Extended Cab 128” Work Truck to be used by operations staff to replace truck V42 (zone 5,7), a 2011 Ford Ranger 4WD (67,827 miles) which will be auctioned off at a later date.

This purchase is included in the Capital Replacement Plan with funds taken from the repair & replace reserve account.

**Evaluation of quotes (attached):**

Quotes (including specific options, tax, license & fees)

GM, Dublin Auto Group:	\$31,109.51
Fremont Chevrolet:	\$37,421.00
F.H. Dailey Chevrolet, San Leandro	\$39,433.59

**Recommendation:**

The quote from **Dublin Auto Group** is lowest and recommended.

Prepared by,  
Mark Wieland, Mechanical Specialist

08/12/2021



**DUBLIN AUTOMOTIVE GROUP  
CHEVROLET GMC BUSINESS ELITE DEPT  
GM FLEET & COMMERCIAL  
PRICE QUOTE**

**2022 CHEVROLET COLORADO WT EXTENDED CAB 4WD**

**STOCK ORDER**

**PREPARED FOR: COUNTY OF ALAMEDA MOSQUITO ABATEMENT DISTRICT**  
**- MARK WIELAND 510-755-4054**

DEALER RETAIL ASKING (MSRP)	<b>\$34,195.00</b>
YOUR SPECIAL FLEET PRICE	<b>\$28,006.40</b>

TAX AT 10.25%	\$2,879.36
DELIVERY	\$100.00
DOC, FILING FEE, AND TIRE FEE	\$123.75

TOTAL DUE INCLUDING TAX AND LICENSE FEES	<b>\$31,109.51</b>
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	\$31,109.51
<b>TOTAL NET DUE PLUS TAX AND LICENSE</b>	<b><u>\$31,109.51</u></b>

COMMERCIAL FINANCING AVAILABLE, WELLS, ALLY, GM FINANCIAL  
MAKE CASH PAYMENT TO: DUBLIN CHEVROLET

QUOTED BY, Richard Slade DIRECTOR OF FLEET & COMMERCIAL SALES  
925-570-1353 CELL. Direct Line 925-479-3514 EMAIL: richardms@CACARGROUP.COM



Richard Slade  
DUBLIN CADILLAC

ATTENTION ALL USERS: When using Order Workbench (OWB), please DO NOT disable pop-up windows functionality. OWB uses pop-up windows to display business critical alerts, confirmations and warning messages while in transactions. For assistance, contact the OWB Help Desk at 1-888-337-1010.

jvm001 Logout

ORDER Workbench Main > Order Vehicles > Configure a New Vehicle: Summary

- PLAN & FORECAST
- ORDER VEHICLES
- MANAGE INVENTORY
- LOCATE VEHICLES
- DELIVER VEHICLES
- REPORTS & TOOLS

# Configure a New Vehicle: Summary



BAC: 197031 BFC: 1 Name: DUBLIN CADILLAC

Choose Model

Choose Options

Summary

### RELATED LINKS

- View My Allocation and Constraints
- View Stored Configurations
- US On-Line Order/Reference Guide

Review the vehicle configuration information in order to ensure that it is correct. If you need to make a change click "Back" to return to the Configure a New Vehicle: Select Options screen. Click "Submit as Preliminary Order" to submit this configuration as a preliminary order. Click "Save in Stored Configurations" in order to store this configuration. Click "Cancel" to cancel the entire configuration.

Note: A submitted preliminary order is at Event Code 1100 (Preliminary Order Accepted).

View Dealer Version

### Model Information

Model Year: 2022	Division: CHEVROLET TRUCK	Allocation Group: COLRDO
Model: 12M53 - Colorado: WT Extended Cab	Order Type: TRE-Retail Stock	
DAN: <input type="text"/> UPDATE	Priority: 99	Charge-to: 197031 BFC: 1
Stock No: <input type="text"/> UPDATE	Quantity: 1	Ship-to: 197031 BFC: 1
MSRP: \$33,000.00	MSRP W/DFC: \$34,195.00	
Invoice: \$31,601.40	Invoice W/DFC: \$32,796.40	
GMS: \$30,637.34	GMS W/DFC: \$31,832.34	
Supplier: \$31,901.40	Supplier W/DFC: \$33,096.40	

### Preferred Equipment Group †

PEG: 4WT

### Color

Primary Color: GAZ - Summit White

### Trim

H2Q: Jet Black/Dark Ash, Vinyl seat trim

### Options

5GD: Tow/Haul Mode	NQ7: Transfer case, electric, 2-speed
9B7: Mirror, spotter	QIA: Tires, 265/60R18 all-season, blackwall
AH6: Seat adjuster, driver 4-way power	RCV: Wheels, 18" x 8.5" (45.7 cm x 21.6 cm) Dark Argent Metallic cast aluminum
B38: Floor covering, full-length Black vinyl ✓	RM7: Wheel, spare, 17 x 8" (43.2 cm x 20.3 cm) steel
BW5: Moldings, Black beltline	U2K: SiriusXM Radio
BWN: CornerStep, rear bumper	UDC: Display, driver instrument information enhanced, one color
C4F: GVWR, 5900 lbs. (2676 kg)	UJN: Tire Fill Alert
C67: Air conditioning, single-zone manual climate control	UQ3: Audio system feature, 6-speaker system
CGN: Bedliner, spray-on, Black with Chevrolet logo	UST: USB data ports, 2
CTT: Hitch Guidance	
D31: Mirror, inside rearview manual	

\$475.00



day/night  
 D75: Door handles, body-color  
 DL6: Mirrors, outside power-adjustable, body-color, manual-folding  
 G80: Differential, automatic locking rear  
 GU6: Rear axle, 3.42 ratio  
 IOR: Audio system, Chevrolet Infotainment 3 system  
 JL1: Trailer brake controller, integrated  
 LGZ: Engine, 3.6L DI DOHC V6 VVT  
 M5T: Transmission, 8-speed automatic

\$325.00

\$230.00 ✓

\$1,485.00 ✓

UVC: Rear Vision Camera  
 VCX: Hdlg Charge: To Ground Effects return to Wentzville Asm  
 VJQ: Recovery hooks, front  
 VK3: License plate kit, front  
 VT5: Bumper, rear body-color  
 WGV: Custom Special Edition  
 YF5: Emissions, California state requirements  
 Z82: Trailering Package, heavy-duty  
 ZAO: Tire, spare 255/65R17 all-season, blackwall

\$1,135.00

\$250.00 ✓

✓ *Patricia M. ...*

▶ [Submit as Preliminary Order](#) | ▶ [Save in Stored Configurations](#)

CANCEL

BACK

† North American Order Workbench is intended solely for business use by GM Dealers. Pricing shown is for illustration purposes only. Refer to GM Pricing.com for official GM Price schedules. GM pricing is subject to change by GM at anytime, without notice.

Order Workbench: [FAQs](#) [Site Map](#)

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Quote Worksheet

Quote No.:	166200 (DMV Est.)	17. Service Contract:	
1. Contract Date:	06/02/21	18. GAP Insurance (W):	
2. Bank (W):	CASH	19. Serv Cont 2 (W):	
3. Customer:	Alameda County M.A.D.	20. MAINT Contract (W):	
4. Buyers County (W):		21. SalesTax %/Armt:	9.7500% \$ 3,543.15
5. Stock Number:		22. >>PAYMENT<<:	\$ 37,421.90
6. Cash Price:	\$ 36,255.00		
7. A.M.G./WeDwes(W):			
8. Rebate:	\$ 2,500.00		
9. Cash Down:		Sale Subtotal:	\$ 33,755.00
10. TIH Deferred Down (W):		Total Financed:	\$ 37,421.90
11. Trades(s) (W):		Finance Charge:	
Total Down:	\$ 2,500.00	Total Other Charges:	
12. DOC Fee:	\$ 85.00	Total of Payments:	\$ 37,421.90
13. CA Tire Fee:	\$ 8.75	Deferred Price:	\$ 37,421.90
14. DMV/SmgExemot (W):		Unpaid Balance:	
15. Smcg/Wt. Fees (W):			
16. Total Fees (W):	\$ 123.75		

Command Window

Command (?):  
Enter a command, a field number, or press a function key. Enter ? for help.

- F3-Sv/Ex
- F5-RRrecall
- F6-Cust
- F7-Veh
- F8-Trd
- F10-Misc
- SF11->

OUT THE DOOR

2022 COLORADO 4X4  
 EXTEND CAB SHORT BED  
 AS BUILT.



### Vehicle Locator

**Dealer Information**

F H DAILEY CHEVROLET  
800 DAVIS ST  
SAN LEANDRO, CA 94577  
Phone: 510-351-5800  
Fax: 510-351-0431

*Arch*

1GCHTBEN0M1262787

Model Year: 2021

Make: Chevrolet

Model: Colorado

12M53-WT Extended Cab

PEG: 4WT-Work Truck Option Package 4WD

Primary Color: GAZ-Summit White

Trim: H2R-Jet Black / Dark Ash Cloth Interior Trim

Engine: LGZ-Engine: 3.6L, 6Cyl Gas

Transmission: M5T-8-Speed Automatic Transmission

Event Code: 4800-Rail Ramp Unload

Order #: ZKCV3J

MSRP: \$33,430.00

Order Type: TRE-Retail Stock

Stock #: N/A

Inventory Status: Available

Total Cash Allowance: N/A

Total Cash Allowance: N/A

**Additional Vehicle Information**

**GM Marketing Information**

**Vehicle Options**

Chargeable Options	MSRP
G80-Automatic Locking Rear Differential	\$325.00
JL1-Trailer Brake Controller, Integrated	\$230.00
LGZ-Engine: 3.6L, 6Cyl Gas	\$1,485.00
PCN-WT Convenience Package	\$530.00
SG1-LPO, Black Bowtie Emblem Package	\$140.00
UE1-OnStar Communication System	\$175.00
Z82-Trailer Package	\$250.00

**No Cost Options**

GU6-Rear Axle, 3.42 Ratio  
M5T-8-Speed Automatic Transmission  
YF5-California Emissions

*TOTAL WITH ALL FEES*

*43,433.59*

JF  
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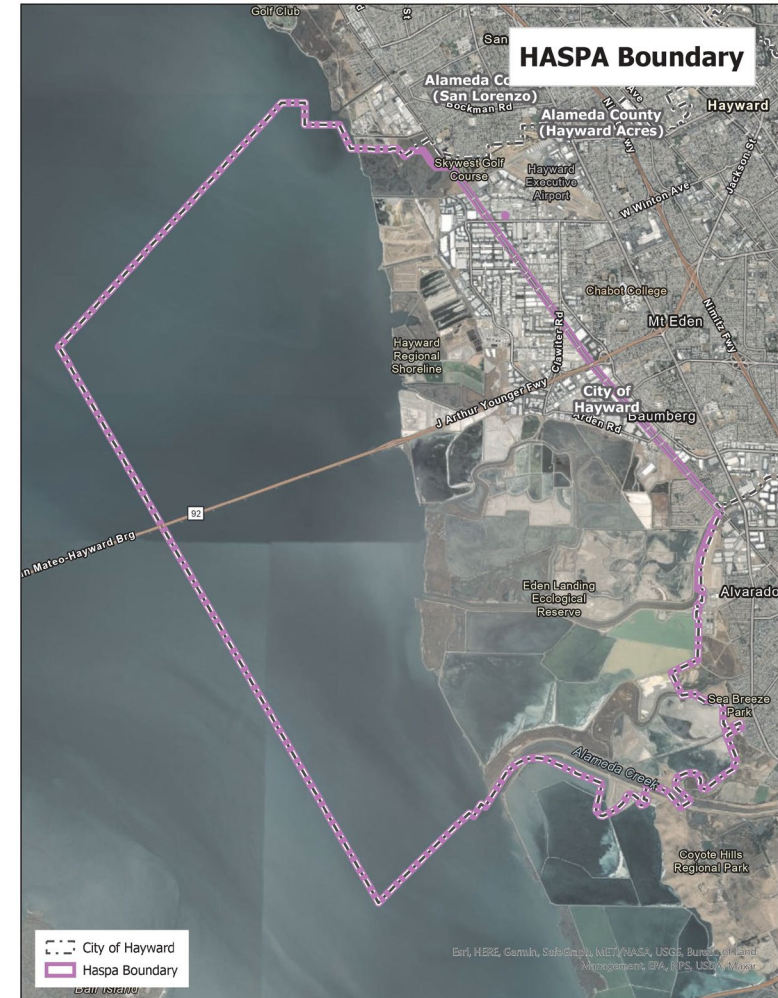
# HAYWARD AREA SHORELINE PLANNING AGENCY

SEPTEMBER, 8<sup>RD</sup> 2021



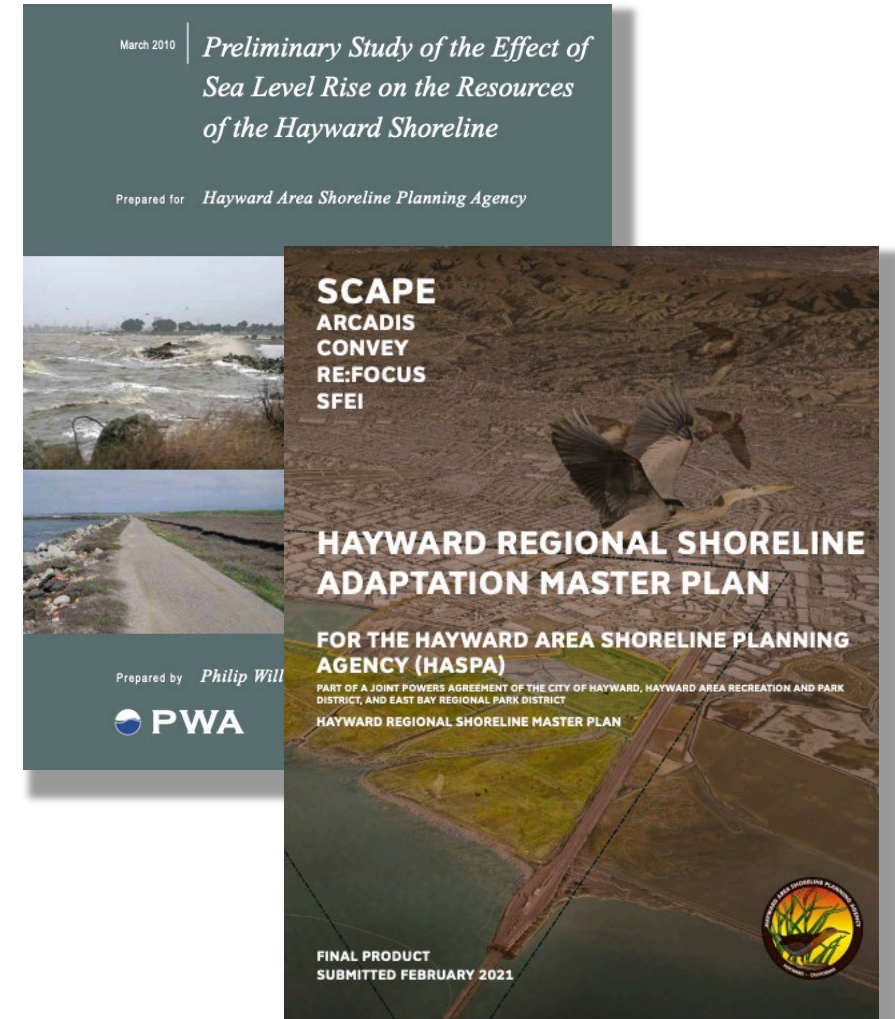
# BACKGROUND

- Established in 1970
- Current Member Agencies
  - City of Hayward
  - Hayward Area Recreation and Park District
  - East Bay Regional Park District
- Coordinate agency planning activities and adopt and carry out policies for the improvement of the Hayward Shoreline for future generations



# BACKGROUND

- Plan for Sea Level Rise
  - Shoreline Adaptation Master Plan (2021)
  - Hayward Shoreline Resilience Study (2015)
  - Preliminary Study of the Effect of Sea Level Rise on the Resources of the Hayward Shoreline (2010)



# BACKGROUND

- HASPA Board of Trustees Meets Quarterly
- Board consists of one Board member from each Member Agency
- HASPA Technical Advisory Committee (TAC) consists of staff from the member Agencies
- Coordination/Facilitation role rotates among the agencies every five years



# MASTER PLAN IMPLEMENTATION

## ORO LOMA INTERIM LEVEE

### PROJECT SUMMARY

This project is intended to protect the Oro Loma wastewater treatment plant and surrounding industrial district from flooding. It includes a flood protection levee designed to meet today's 1% annual chance flood with allowance for mid-range sea level rise, but with a foundation system that allows for the levee to be elevated in the future to accommodate a higher elevation with sea level rise.

The project also includes a new Bay Trail spur extending inland from the shoreline and could provide a connection across the rail line to San Lorenzo Community Park.

A new tide gate and pump station on Bockman Canal is also proposed, which would be planned in coordination with ACFCO pending the results of their stormwater study.

### PROJECT SITE & OWNERSHIP

The site is located in the northern reach of the study area. It is owned by the Oro Loma Sanitary District.

### KEY STAKEHOLDERS

- HASPA
- City of Hayward
- Oro Loma Sanitary District
- Bay Trail
- East Bay Regional Parks District

- Alameda County Flood Control District
- San Francisco Bay Conservation and Development Commission
- U.S. Army Corps of Engineers

### PERMITTING ASSESSMENT

Regulators are likely to be supportive of the intent of this project, but the permitting process will be extensive.



### COST ESTIMATE

High (>\$20 M.)

### TIME FRAME

Short Term

### FUNDING & FINANCING RECOMMENDATIONS

- **State of California Department of Water Resources Coastal Watershed Flood Risk Reduction**  
<https://www.grants.ca.gov/grants/coastal-watershed-flood-risk-reduction-2/>
- **FEMA Building Resilient Infrastructure and Communities (BRIC)**  
<https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities>



**SCAPE**  
**ARCADIS**  
**CONVEY**  
**RE:FOCUS**  
**SFEI**

## HAYWARD REGIONAL SHORELINE ADAPTATION MASTER PLAN

### FOR THE HAYWARD AREA SHORELINE PLANNING AGENCY (HASPA)

PART OF A JOINT POWERS AGREEMENT OF THE CITY OF HAYWARD, HAYWARD AREA RECREATION AND PARK DISTRICT, AND EAST BAY REGIONAL PARK DISTRICT

### HAYWARD REGIONAL SHORELINE MASTER PLAN

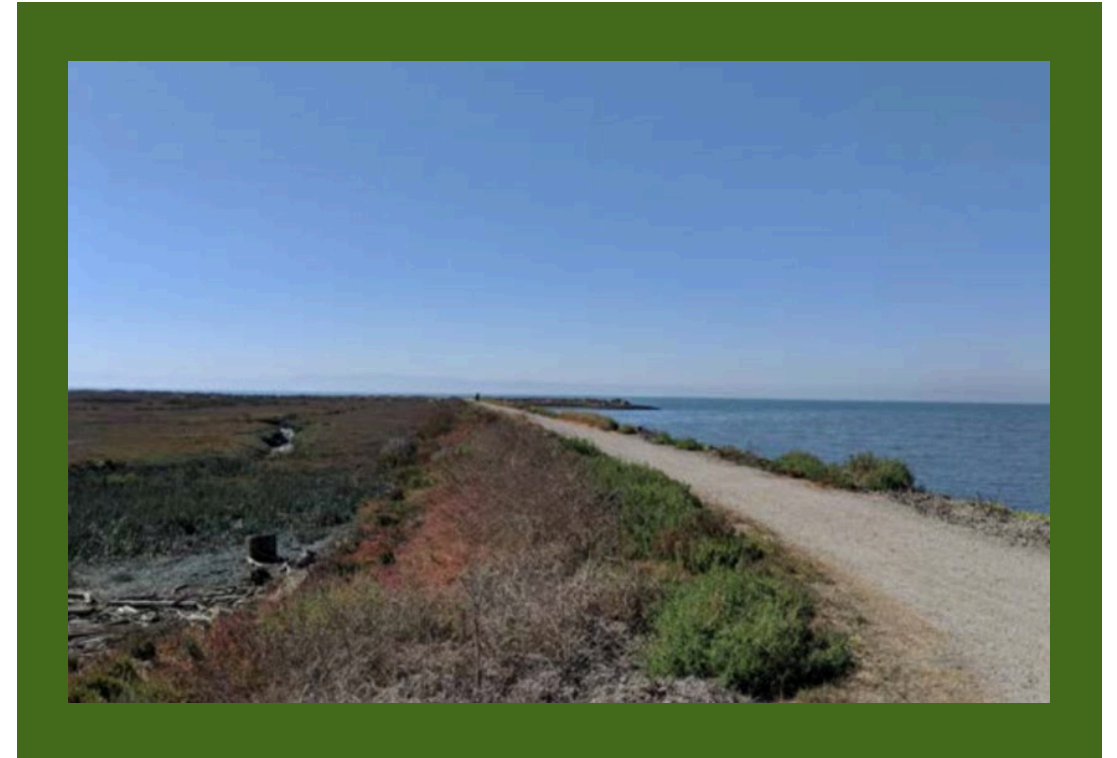
FINAL PRODUCT  
SUBMITTED FEBRUARY 2021





# BENEFITS

- Protection of Shoreline Assets from Sea Level Rise
- Support and Maintain Public Access to the Shoreline
- Enhance Ecological Assets along the Shoreline
- Collaborate on Implementation of Projects Identified in the Shoreline Adaptation Master Plan



# BENEFITS

- Access to Technical Support, Events & Regional Planning Networks
  - BayCAN
  - BayAdapt
- Secure Grant Funding
  - In 2018, HASPA was awarded a \$509,000 SB1 Adaptation Planning Grant for the Shoreline Adaptation Master Plan



# EXPECTATIONS

- Appoint an Official to Serve on the HASPA Board of Trustees
  - Current HASPA Board of Trustees:
    - Council Member Marquez, City of Hayward
    - Director Hatcher, Hayward Area Recreation and Park District
    - Director Waespi, East Bay Regional Park District
- Board Members attend quarterly board meeting and advise on shoreline planning activities.



# EXPECTATIONS

- Make an Annual Contribution
  - All member agencies makes an annual contribution to cover expenses.
  - Contribution requested for FY 2021-2022 is \$12,000
- Appoint Staff to serve on the HASPA TAC
  - TAC meets monthly and each staff typically spends approximately 5 to 10 hours per month on HASPA activities/meetings
  - Staff from host agency typically spends approximately 20 to 30 hours per month coordinating HASPA activities/meetings



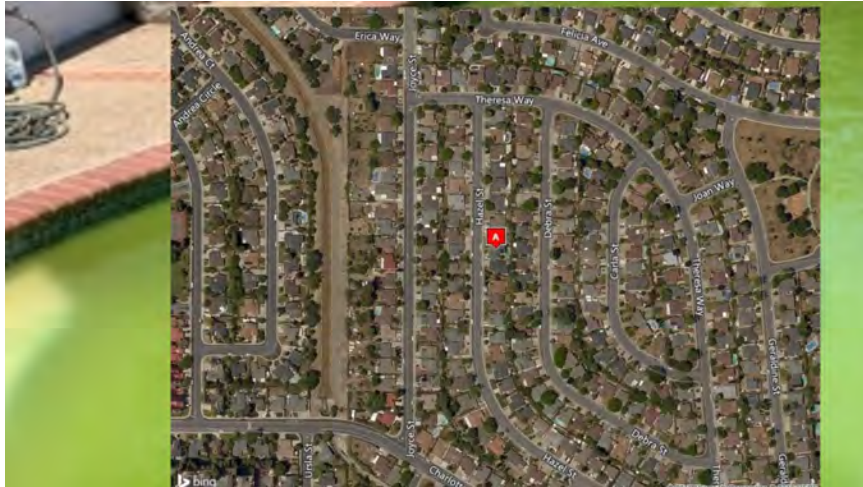
Q & A



WHY WORRY ABOUT GREEN POOLS ?



ALAMEDA MOSQUITO ABATEMENT DISTRICT WAS THE FIRST TO USE AERIAL PHOTOS FOR SWIMMING POOL CLASSIFICATION



# Old Swimming Pool Process

Technician Report - © 2016 Aerial Services District = 8 - Neil  
 Flight: ACMAD20160518 Target ID: PG2852 Image Date: 5/18/2016 12:28 GMT



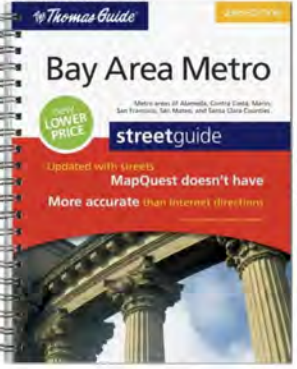
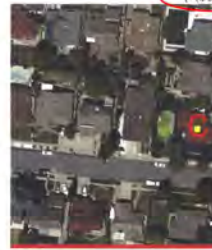
Location	20832
Map grid	773-HQ
SMT Zone	8
File history	Y (N)
Date notice	7/25/14
Date insp	7/25/14
Employee	Neil
Why green?	
Proble-tec	
Stained lim	
Green Water	
Other	
Condition	
Clean	Y
Bleeding	Y (N)
Fish estab	
Dry	
Action taken	
Fish planted	
Treated	
Nothing	Y

Location	20832
Map grid	773-HQ
SMT Zone	8
File history	Y (N)
Date notice	7/25/14
Date insp	7/25/14
Employee	Neil
Why green?	
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Fish estab	
Dry	
Action taken	
Fish planted	
Treated	
Nothing	Y

Category: Green - Approx Location: 47489-Armata St, FREMONT 94539  
 APN: 471225

# Old Swimming Pool Process

Technician Report - © 2016 Aerial Services District = 8 - Neil  
 Flight: ACMAD20160518 Target ID: PG2852 Image Date: 5/18/2016 12:28 GMT



Location	20832
Map grid	773-HQ
SMT Zone	8
File history	Y (N)
Date notice	7/25/14
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Why green?	
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Green Water	
Other	
Condition	
Clean	Y
Bleeding	Y (N)
Fish estab	
Dry	
Action taken	
Fish planted	
Treated	
Nothing	Y

Category: Green - Approx Location: 47489-Armata St, FREMONT 94539  
 APN: 471225

# Old Swimming Pool Process

## 3-4 months

## LABOR INTENSIVE

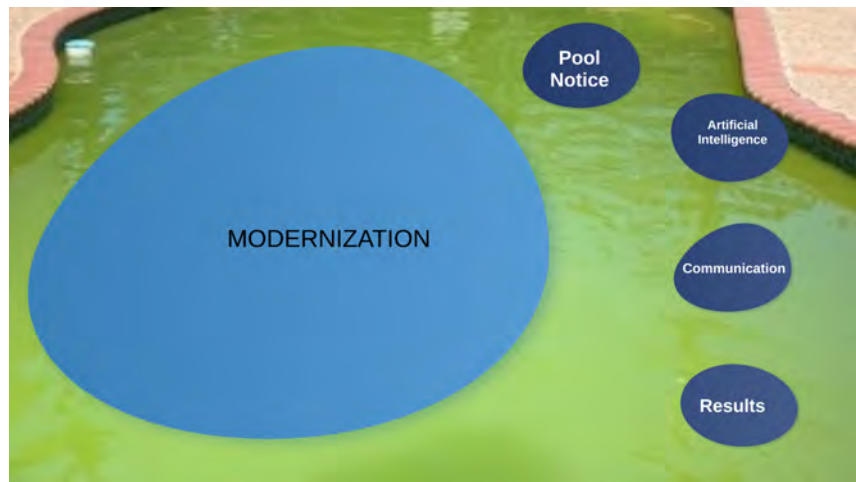
## SAFETY CONCERNS



Location	20832
Map grid	773-HQ
SMT Zone	8
File history	Y (N)
Date notice	7/25/14
Date insp	7/25/14
Employee	Neil
Why green?	
Proble-tec	
Stained lim	
Green Water	
Other	
Condition	
Clean	Y
Bleeding	Y (N)
Fish estab	
Dry	
Action taken	
Fish planted	
Treated	
Nothing	Y

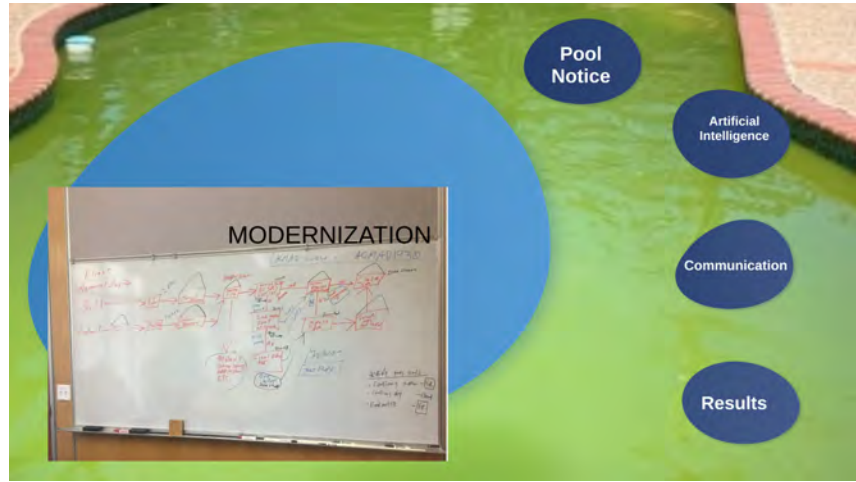
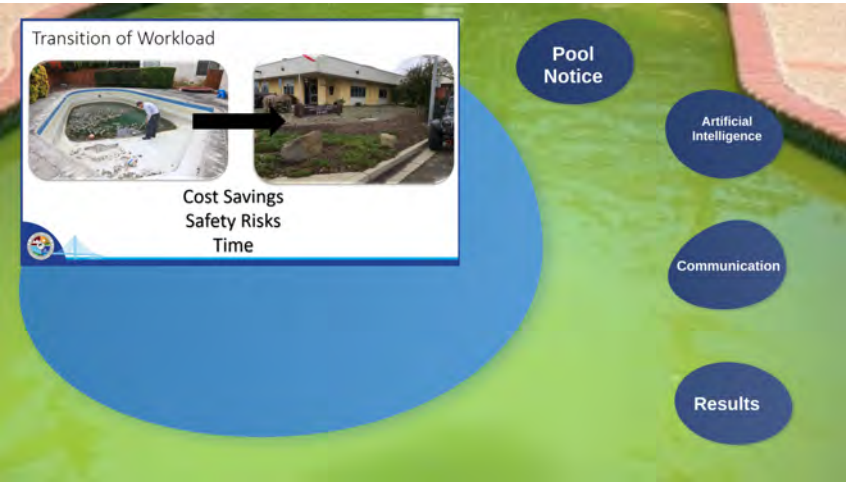
Location	20832
Map grid	773-HQ
SMT Zone	8
File history	Y (N)
Date notice	7/25/14
Date insp	7/25/14
Employee	Neil
Why green?	
Proble-tec	
Stained lim	
Green Water	
Other	
Condition	
Clean	Y
Bleeding	Y (N)
Fish estab	
Dry	
Action taken	
Fish planted	
Treated	
Nothing	Y

Category: Green - Approx Location: 47489-Armata St, FREMONT 94539  
 APN: 471225



Transition of Workload

Cost Savings  
Safety Risks  
Time



**Pool Notice**

Artificial Intelligence

Communication

Results

**MODERNIZATION**

**Pool Notice**

Artificial Intelligence

Communication

Results

**MAPVISION®**

A web-based geospatial data management system designed and engineered specifically for the water control industry.

**Pool Notice**

Artificial Intelligence

Communication

Results

**Alameda County Mosquito Abatement District**  
 Providing public health services since 1916

**NOTICE OF SWIMMING POOL VIOLATION**  
 SUBJECT: [REDACTED]

Property Owner's Name: [REDACTED]  
 Property Address: [REDACTED]

**Options**

**#1: If the pool is "clean", completely empty, or if it was misidentified as a pool, send a verification photo by:**

- Text (SMS, MMS)™: (510) 616-6969 (include violation # in text) or
- Email: [Pool@mosquitos.org](mailto:Pool@mosquitos.org) (include violation # in subject line)

The photo of the clean pool must include the upper portion of this notice in the foreground to provide date, address, and violation #.

**OR**

**#2: If the pool is not in service or has been abandoned:**

- Text (SMS, MMS)™: (510) 616-6969 (include violation # in text) or
- Email: [Pool@mosquitos.org](mailto:Pool@mosquitos.org) (include violation # in subject line) or
- Call: (510) 783-7744

The District will contact you to seek a long-term solution to resolve the violation.

**There is no charge for District services.**

\*A CLEAN and FUNCTIONAL pool has a working pump and filtration system and has a regular chemical treatment schedule. Water must be clear with little to no algae or debris. \*\*Your carrier may charge for texting services.

Thank you for your presentation.

©2017 Mosquito Abatement District of Alameda County | (510) 783-7744 | [www.mosquitos.org](http://www.mosquitos.org)

**AI Classification**

**CLEAN**

**Parcel Partitioning**

**AI Classification**

**CLEAN**

**Azure Machine Learning**



# Parcel Partitioning



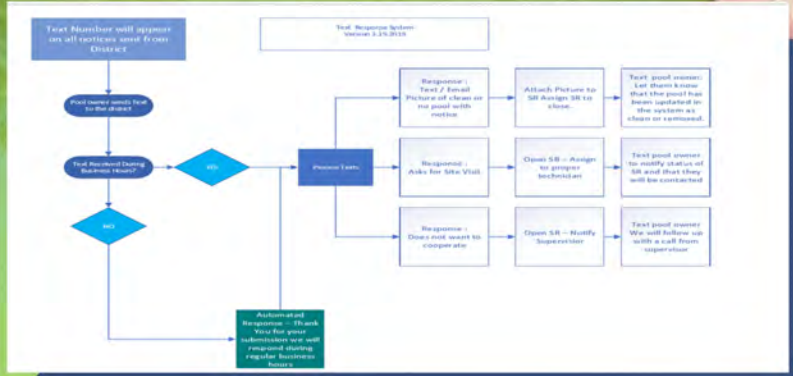
Parcel No: 480-06-71  
 Primary Owner: [Redacted]  
 Address: [Redacted]



Communication

Database Integration of SMS

ID	Date	Contact Number	Message	SR ID	SR Status	Out-out	Actions
753	09-30-2019 09:54:52		Good morning Thank you for updating us on the condition of	128221	Closed	NO	[Icons]
752	09-30-2019 09:51:13		The pool guy pees out there weekly	128221	Closed	NO	[Icons]
751	09-30-2019 09:51:10			128221	Closed	NO	[Icons]
750	09-30-2019 09:51:08			128221	Closed	NO	[Icons]
748	09-30-2019 09:50:49		Violation no. 128221	128221	Closed	NO	[Icons]
748	09-27-2019 09:32:04		Good morning Thank you for updating us on the condition of the	128225	Pending	NO	[Icons]
747	09-27-2019 09:30:24		Good morning Thank you for sending us an updated picture I	128216	Closed	NO	[Icons]
746	09-26-2019 19:13:54		Pool is clear now	128216	Closed	NO	[Icons]
745	09-26-2019 12:29:04			128225	Pending	NO	[Icons]
744	09-26-2019 12:28:38		This is for #128225. We are making progress. I will send you an update	128225	Pending	NO	[Icons]



# Database Integration of SMS

o SMS

ID	Date	Contact Number	Message	SR ID	SR Status	Out-out	Actions
753	09-30-2019 09:54:52		Good morning Thank you for updating us on the condition of	128221	Closed	NO	[Icons]
752	09-30-2019 09:51:13		The pool guy pees out there weekly	128221	Closed	NO	[Icons]
751	09-30-2019 09:51:10			128221	Closed	NO	[Icons]
750	09-30-2019 09:51:08			128221	Closed	NO	[Icons]
748	09-30-2019 09:50:49		Violation no. 128221	128221	Closed	NO	[Icons]
748	09-27-2019 09:32:04		Good morning Thank you for updating us on the condition of the	128225	Pending	NO	[Icons]
747	09-27-2019 09:30:24		Good morning Thank you for sending us an updated picture I	128216	Closed	NO	[Icons]
746	09-26-2019 19:13:54		Pool is clear now	128216	Closed	NO	[Icons]
745	09-26-2019 12:29:04			128225	Pending	NO	[Icons]
744	09-26-2019 12:28:38		This is for #128225. We are making progress. I will send you an update	128225	Pending	NO	[Icons]

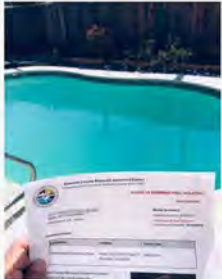
# Database Integration of SMS

View SMS Content

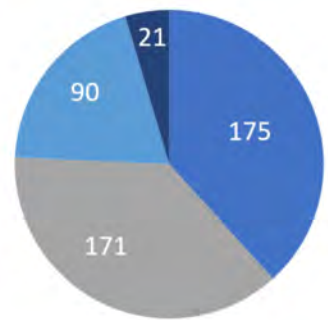
Contact Number: [Redacted] SR ID: 128163 SR Status: Closed

Message: #128163

Buttons: [Close Changes] [Download]

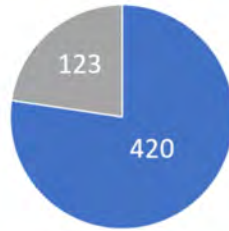


# How did the Residents communicate with us after receiving notice



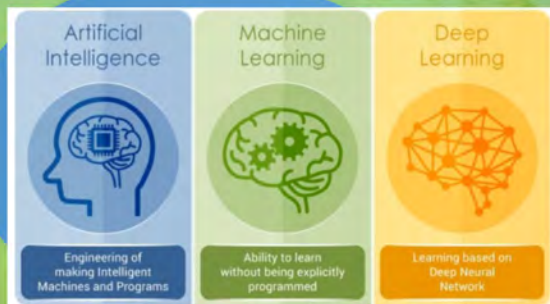
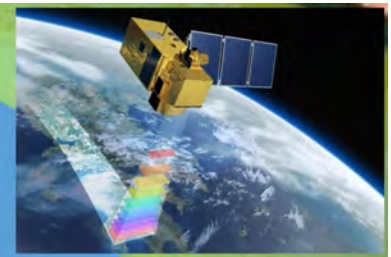
- Text
- Call
- Email
- Text & Email

Action Taken with Notices in 2019



■ Closed by Office ■ Transferred to Technicians

Future Innovation



Alameda County Mosquito Abatement Dist.  
**Check Register**  
For the Period From Aug 1, 2021 to Aug 15, 2021

Filter Criteria includes: Report order is by Date.

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
2786	8/12/21	Airgas	647.54
2787	8/12/21	Beck's Shoes	174.93
2788	8/12/21	Cintas	716.94
2789	8/12/21	Coverall North America, Inc.	495.00
2790	8/12/21	Environmental Science Associates	20,605.00
2791	8/12/21	Grainger	311.64
2792	8/12/21	Hayward Water System	577.82
2793	8/12/21	Hentschke, Eric Armin	200.00
2794	8/12/21	Industrial Park Landscape Maintenance	226.00
2795	8/12/21	Life Technologies Corporation	4,903.57
2796	8/12/21	NBC Supply Corp	398.70
2797	8/12/21	PC Professional	82.50
2798	8/12/21	PG&E	13.24
2799	8/12/21	PFM Asset Management	1,959.74
2800	8/12/21	Techniclean	174.18
2801	8/12/21	Testa, Julie	200.00
2802	8/12/21	UC Davis AR Lockbox	1,216.00
2803	8/12/21	U.S Bank Corporate Payment System	15,057.65
2804	8/12/21	VCJPA	159,952.00
2805	8/12/21	Voya Institutional Trust Company	179.93
2806	8/12/21	Young, George	200.00
ACH	8/12/21	Alameda County Mosquito Abatement Dist (Payroll)	84,251.02
ACH	8/12/21	Aguilar, Victor	200.00
ACH	8/12/21	Beatty, Robert .P	200.00
ACH	8/12/21	Bhat, Subrahmanya Y	200.00
ACH	8/12/21	CalPERS Retirement	14,620.17
ACH	8/12/21	CalPERS 457	3,054.59
ACH	8/12/21	Cox, Steven	100.00
ACH	8/12/21	Jordan, Preston	200.00
ACH	8/12/21	Kumagai, Shawn	100.00
ACH	8/12/21	Marquez, Elisa	100.00
ACH	8/12/21	Mingst, Andrew	200.00
ACH	8/12/21	Poulson, Wendi Lynn	100.00
ACH	8/12/21	Roache, Cathy J Pinkerton.	200.00
ACH	8/12/21	Washburn, Jan	100.00
<b>Total Expenditures - August 15, 2021.</b>			<b>311,918.16</b>

## Alameda County Mosquito Abatement Dist.

## Check Register

For the Period From Aug 16, 2021 to Aug 31, 2021

Filter Criteria includes: Report order is by Date.

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
2807	8/30/21	Adapco	4,873.00
2808	8/30/21	Airgas	565.72
2809	8/30/21	Alameda County LAFCO	572.00
2810	8/30/21	Automatic Fire Inc	496.87
2811	8/30/21	Bay Alarm	534.73
2812	8/30/21	Cintas	362.14
2813	8/30/21	Grainger	319.28
2814	8/30/21	PG&E	24.64
2815	8/30/21	The Hartford	107.19
2816	8/30/21	Verizon	346.12
2817	8/30/21	Voya Institutional Trust Company	179.93
2818	8/30/21	VSP	710.23
2819	8/30/21	WEX Bank	5,438.80
ACH	8/30/21	Alameda County Mosquito Abatement Dist (Payroll)	81,028.71
ACH	8/30/21	CalPERS Retirement	14,563.08
ACH	8/30/21	CalPERS 457	3,052.68
ACH	8/30/21	CalPERS Health	38,034.72
ACH	8/30/21	CalPERS Retirement	700.00
<b>Total Expenditures - August 31, 2021.</b>			<b>151,909.84</b>

**Alameda County Mosquito Abatement District  
Income Statement  
August 31, 2021. (2 of 12 mth, 17%)**

REVENUES	Actual 2019/20	Actual 2020/21	Current Month	Year to Date 2021/22	Budget 2021/22	Actual vs Budget
<b>Total Revenue</b>	\$ 4,986,220.87	\$ 5,150,753.15	\$ 242,725.42	\$ 243,425.97	\$ 4,765,864.00	5%

EXPENDITURES	Actual 2019/20	Actual 2020/21 <sup>1</sup>	Current Month <sup>2</sup>	Year to Date 2021/22	Budget 2021/22	Actual vs Budget
Salaries	\$ 1,970,928.74	\$ 2,029,103.97	\$ 180,662.45	\$ 363,756.09	\$2,236,282	16%
CalPERS Retirement	\$ 378,832.61	\$ 423,110.21	\$ 17,193.04	\$ 295,741.29	\$473,950	62%
Medicare & Social Security	\$ 29,651.04	\$ 27,866.82	\$ 3,074.62	\$ 6,162.20	\$33,062	19%
Fringe Benefits	\$ 465,466.14	\$ 502,898.39	\$ 38,852.14	\$ 86,264.35	\$579,596	15%
<b>Total Salaries, Retirement, &amp; Benefits</b>	\$ 2,844,878.53	\$ 2,982,979.39	\$239,782	\$751,924	\$3,322,890	23%
Clothing and personal supplies (purchased)	\$ 6,213.94	\$ 4,859.20	\$ 890.69	\$ 1,080.23	\$10,000	11%
Laundry service and supplies (rented)	\$ 10,648.44	\$ 9,124.98	\$ 898.60	\$ 1,436.82	\$15,000	10%
Utilities	\$ 25,962.21	\$ 15,421.56	\$ 615.70	\$ 1,219.62	\$17,000	7%
Communications-IT	\$ 80,735.47	\$ 71,771.02	\$ 4,536.00	\$ 4,930.55	\$112,400	4%
Maintenance: structures & improvements	\$ 16,678.86	\$ 20,261.51	\$ 533.68	\$ 995.18	\$35,000	3%
Maintenance of equipment	\$ 20,599.88	\$ 22,290.34	\$ 122.66	\$ 135.64	\$35,000	0%
Transportation, travel, training, & board	\$ 95,813.55	\$ 74,653.03	\$ 8,900.41	\$ 16,205.74	\$127,630	13%
Professional services	\$ 111,224.89	\$ 91,622.03	\$ 21,305.00	\$ 22,255.62	\$203,450	11%
Memberships, dues, & subscriptions	\$ 26,316.50	\$ 22,906.45	\$ 572.00	\$ 11,072.00	\$24,000	46%
Insurance - (VCJPA, UAS)	\$ 134,833.60	\$ 141,650.37	\$ 159,952.00	\$ 159,952.00	\$150,611	106%
Community education	\$ 23,283.51	\$ 26,317.23	\$ 288.59	\$ 338.59	\$39,500	1%
Operations	\$ 179,304.00	\$ 223,362.22	\$ 6,155.21	\$ 18,067.48	\$239,000	8%
Household expenses	\$ 14,817.21	\$ 15,882.05	\$ 1,203.91	\$ 2,249.64	\$17,350	13%
Office expenses	\$ 13,760.57	\$ 9,747.67	\$ 256.14	\$ 1,284.50	\$12,000	11%
Laboratory supplies	\$ 100,794.23	\$ 64,135.55	\$ 15,124.04	\$ 16,768.04	\$144,000	12%
Small tools and instruments	\$ 2,055.54	\$ 2,189.34	\$ -	\$ -	\$3,000	0%
<b>Total Staff Budget</b>	\$ 863,042.40	\$ 816,194.55	\$ 221,354.63	\$ 257,991.65	\$1,184,941	22%
<b>Total Operating Expenditures</b>	\$ 3,707,920.93	\$ 3,799,173.94	\$ 461,136.88	\$ 1,009,915.58	\$4,507,831	22%

1 - As of June 30, 2021. Unaudited

2 - Total Operating Expenditures in current month do not match the check register due to accounts receivable, petty cash transactions, and expenses that were paid for in July but accounted for in Fiscal Year ended June 30, 2021.

**Alameda County Mosquito Abatement District  
Investment, Reserves, and Cash Balance Report  
August 31, 2021. (2 of 12 mth, 17%)**

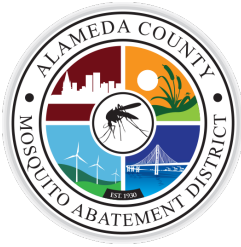
Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Interest Activity	Ending Balance
1004	LAIF	\$ 3,504,540.40	\$ -	\$ (311,000.00)	\$ -	\$ 3,193,540.40
1005	OPEB Fund	\$ 5,362,786.21	\$ -	\$ -	\$ 68,081.24	\$ 5,430,867.45
1006	VCJPA Member Contingency	\$ 371,828.00	\$ -	\$ -	\$ -	\$ 371,828.00
1008	CAMP: Repair and Replace	\$ 1,041,029.95	\$ -	\$ -	\$ 45.83	\$ 1,041,075.78
1009	CAMP: Public Health Emergency	\$ 526,243.32	\$ -	\$ -	\$ 23.16	\$ 526,266.48
1010	CAMP: Operating Reserve	\$ 1,944,413.82	\$ -	\$ -	\$ 85.59	\$ 1,944,499.41
1011	CAMP: Capital Reserve Fund	\$ 19,993.39	\$ -	\$ -	\$ 0.88	\$ 19,994.27
1012	PARS: Pension Stabilization <sup>1</sup>	\$ 1,849,337.44	\$ -	\$ -	\$ 11,028.94	\$ 1,860,366.38
<b>Total</b>		<b>\$ 14,620,172.53</b>	<b>\$ -</b>	<b>\$ (311,000.00)</b>	<b>\$ 79,265.64</b>	<b>\$ 14,388,438.17</b>
		Beginning Balance			Activity	Ending Balance
Cash Accounts				Withdrawals		
1001	Bank of America (Payroll Account) *	\$ 102,464.02			-	\$ 22,901.79
1002	Bank of The West (Transfer Account) *	\$ 273,141.00			-	\$ 235,237.26
1003	County Account	\$ 372,625.46	\$ -	\$ -	\$ 242,725.42	\$ 615,350.88
1013	Petty Cash	\$ 386.14	\$ -	\$ -	\$ (65.10)	\$ 321.04
<b>Total</b>		<b>\$ 748,616.62</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 242,660.32</b>	<b>\$ 873,810.97</b>

1- PARS - Pension Stabilization balance is as of July 31, 2021.

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

Alameda County Mosquito Abatement  
Balance Sheet Comparison  
August

ASSETS	8/31/2021	8/31/2020	8/31/2019	Explanation
Current Assets				
Cash	\$ -	-	-	
Bank of America payroll	102,463.71	108,357.86	114,075.08	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	182,700.92	299,978.95	398,365.94	" "
County	615,350.88	588,534.12	444,081.26	Current balance in County account.
Cash with LAIF	3,193,540.40	1,837,170.85	1,496,524.18	Current balance in LAIF (working capital) account.
VCJPA - Property Contingency	-	-	52,796.00	
VCJPA- Member Contingency	371,828.00	374,772.00	302,165.00	Reserve amount with VCJPA (updated quarterly)
CAMP - Repair and Replace	1,041,075.78	1,046,492.14	292,221.38	Reserve committed to repair or replace capital assets.
CAMP - Public Health Emergency	526,266.48	525,706.84	518,835.30	Reserve committed for public health emergencies.
CAMP - Operating Reserve	1,944,499.41	1,942,431.62	1,917,042.00	Reserve committed as an emergency rainy-day fund (= to 60% of current year expenses)
CAMP - Capital Reserve Fund	19,994.27	59,049.50	232,252.87	Reserve for current year capital assets or non-capital facility maintenance
PARS	1,860,366.38	1,701,948.11	1,576,111.28	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.
Accounts Receivable	1,892.88			Outstanding invoices - waiting for payment to be received.
Petty cash	321.04	460.87	492.74	To reimburse employees - under \$50
<b>Total Current Assets</b>	<b>9,860,300.15</b>	<b>8,484,902.86</b>	<b>7,344,963.03</b>	
Property and Equipment				
Acc Dep - equipment	(1,479,068.00)	(1,479,068.00)	(1,318,915.70)	Accumulated depreciation expense from date of purchase through current useful life, which reduces assets book values
Acc Dep - stru & improv	(2,484,430.30)	(2,485,267.00)	(2,349,631.01)	" "
Acc Dep - conts in progress	-	-	-	" "
Construction in progress	-	-	456,041.42	Accumulated cost of a project yet to be completed.
Equipment	1,751,859.00	1,751,859.00	1,619,670.10	Original cost of depreciable equipment item.
Structure/improvement	4,798,893.00	4,760,618.00	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	2,609,548.00	2,997,593.48	
Other Assets				
Net OPEB Asset	1,823,556.00	1,823,556.00	690,338.00	Amount reported on actuary report. Pre-paid amount (overfunded), still considered an asset to the district. The amount has not changed because we have withdrawn or added to account in the current year.
Total Other Assets	1,823,556.00	1,823,556.00	690,338.00	
<b>Total Assets</b>	<b>\$ 14,332,515.85</b>	<b>\$ 12,918,006.86</b>	<b>\$ 11,032,894.51</b>	
<b>LIABILITIES AND CAPITAL</b>				
Current Liabilities				
Accounts payable	\$ 104,526.08	\$ 139,914.23	\$ 110,001.02	Invoices due but yet to be paid.
AP Credit Card	-	-	16,939.93	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	208,228.89	200,290.26	187,668.43	District's debt from employees' unused vacation time.
Def inflow - 75	931,786.00	931,786.00	49,810.00	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	289,664.00	192,480.00	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)	(1,056,534.00)	(1,208,279.00)	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	3,277,554.00	2,952,714.00	Unfunded pension accrued liability as estimated by an actuary as of a given point of time.
Total Current Liabilities	\$ 3,755,224.97	\$ 3,782,674.49	\$ 2,301,334.38	
Long-Term Liabilities				
Total Long-Term Liabilities				
<b>Total Liabilities</b>	<b>3,755,224.97</b>	<b>3,782,674.49</b>	<b>2,301,334.38</b>	
Capital				
Designated fund balances	4,440,057.25	4,440,610.19	4,763,137.19	Board approved reserves for designated purposes.
Investment in general fixed as	6,889,977.57	5,296,151.61	4,637,374.11	Value of fixed assets left any accumulated depreciation and or debt.
Net Income	(752,743.94)	(601,429.43)	(668,951.17)	Net Income = Gross Income - Expenses
Total Capital	10,577,290.88	9,135,332.37	8,731,560.13	Sum of designated fund balances, investment in general fixed assets and net income.
<b>Total Liabilities &amp; Capital</b>	<b>\$ 14,332,515.85</b>	<b>\$ 12,918,006.86</b>	<b>\$ 11,032,894.51</b>	



MONTHLY STAFF REPORT –1094

**Board of Trustees**

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General Manager

**1. OPERATIONS REPORT**

Numerous tidal marsh sources were inspected, treated, and had post-treatment inspections for *Aedes dorsalis* in August. This was driven by two high-tide events. Treatments were conducted by hand and with ACMAD's A-1 Super Duty mist blower. Based on post-treatment inspections, field observations, adult mosquito trap data, and service request data, the treatment strategy continues to be effective. Based on tide data for next month, operations are expecting a respite from *Ae. dorsalis* activity in September as only one "low" high tide event is expected. This species of mosquito typically will not continue to hatch in later fall and winter months. Operations staff will continue to monitor for larvae until none are collected after a given high-tide event.

No West Nile virus positive birds or adult mosquitoes were collected in Alameda County in August. However, operations staff have, and will, continue to, inspect and treat larvae of the mosquito species we have that are potential vectors of WNV. It is not uncommon for WNV to make an appearance in our county late in the season and WNV positive mosquito/birds have been documented in adjacent counties already this season. So far this year, larval and adult numbers for our main potential WNV vectoring species: *Culex tarsalis*, *Culex pipiens*, and *Culex erythrothorax*, have been fairly low. The public naturally assumes that mosquito numbers will be low during drought periods and to some extent that holds true. Many larger sources such as freshwater marshes, creeks and canals are currently dry. This situation forces many of our mosquito species to seek out sources that are smaller and more cryptic in nature. Locating these sources has its own set of challenges for operations staff. Often, more extensive "detective" work is required to provide good control.

In August, a lot of the focus of operations was in urban settings. Sewer treatment facilities, catch basins, and storm drains were the focus of efforts for *Cx. pipiens*. These sources will continue to produce this species until the first significant rainfall events of the season. Even during drought conditions, many catch basins throughout the county still hold water. They often contain many forms of debris including leaves and garbage which makes the water highly organic and thus very attractive to *Cx. pipiens* females seeking sources to deposit eggs. This mosquito species readily enters homes and females will tend to bite inside at night as soon as the lights go off. So far this season, the number of service requests to "report a mosquito problem" have been fairly distributed between *Culiseta incidens* and *Cx. pipiens*. In August, most of these calls were attributable to *Cx. pipiens*. Several of these calls led to the discovery of leaking pipes causing water to stand under houses, apartments and businesses. As the daylight period becomes shorter and temperatures fluctuate, this species gravitates to indoor spaces to seek bloodmeals.

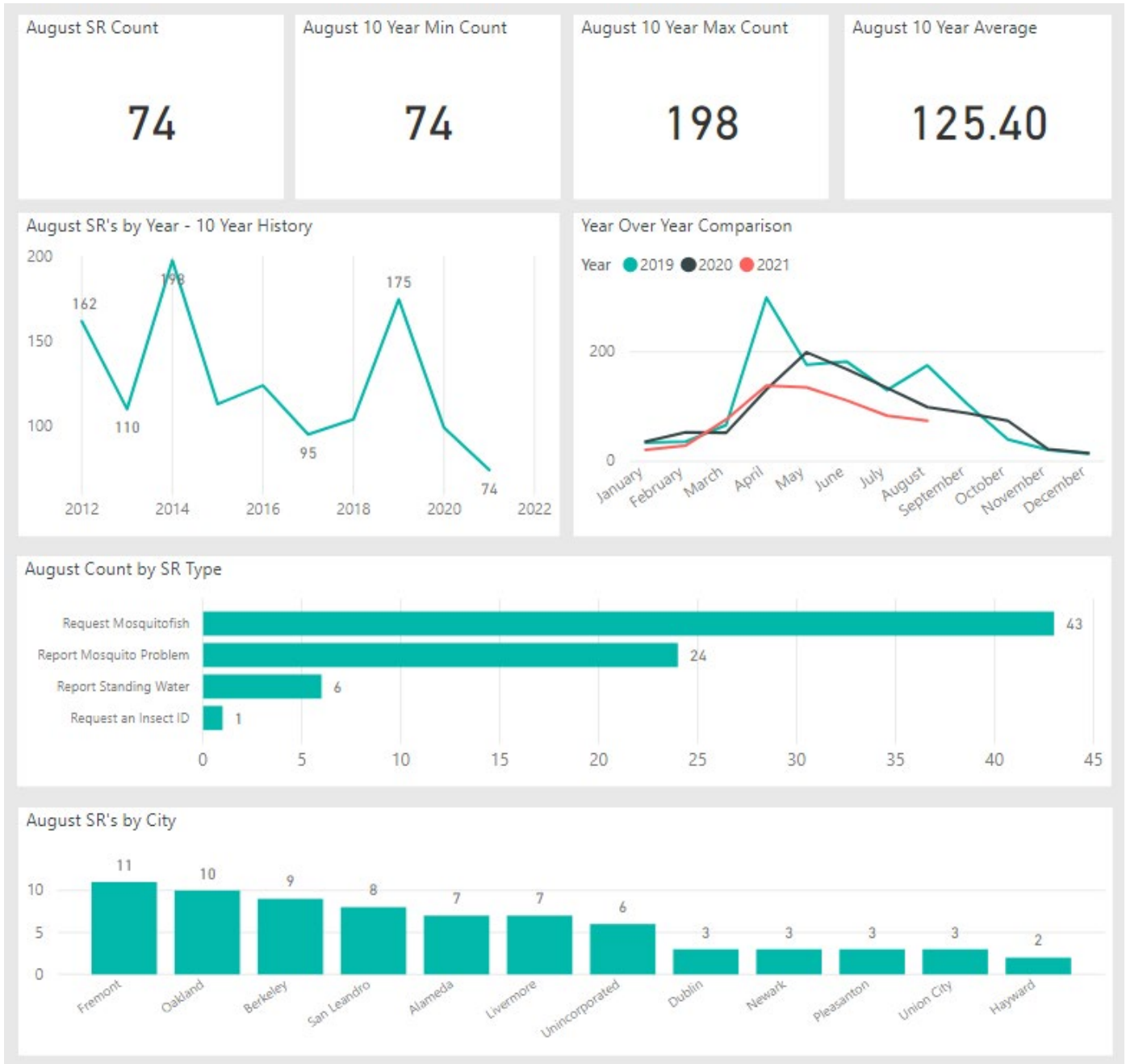
Aside from the typical sources for *Cx. spp*, an overlooked source are flower vases in cemeteries. Though small, they can range from hundreds to many thousands in a given cemetery. The water, flowers, and grass clippings make an ideal source for mosquitoes. Operations have collected larvae of *Cx. pipiens*, *Cx. tarsalis*, and *Cs. incidens* in these vases. Vases have also been shown to be significant breeding sources for invasive *Aedes aegypti* mosquitoes in many areas around the state. An ongoing project with operations and cemeteries county-wide to mitigate these sources is ongoing and a full update on this project is forthcoming.

Field Operations Supervisor  
Joseph Huston

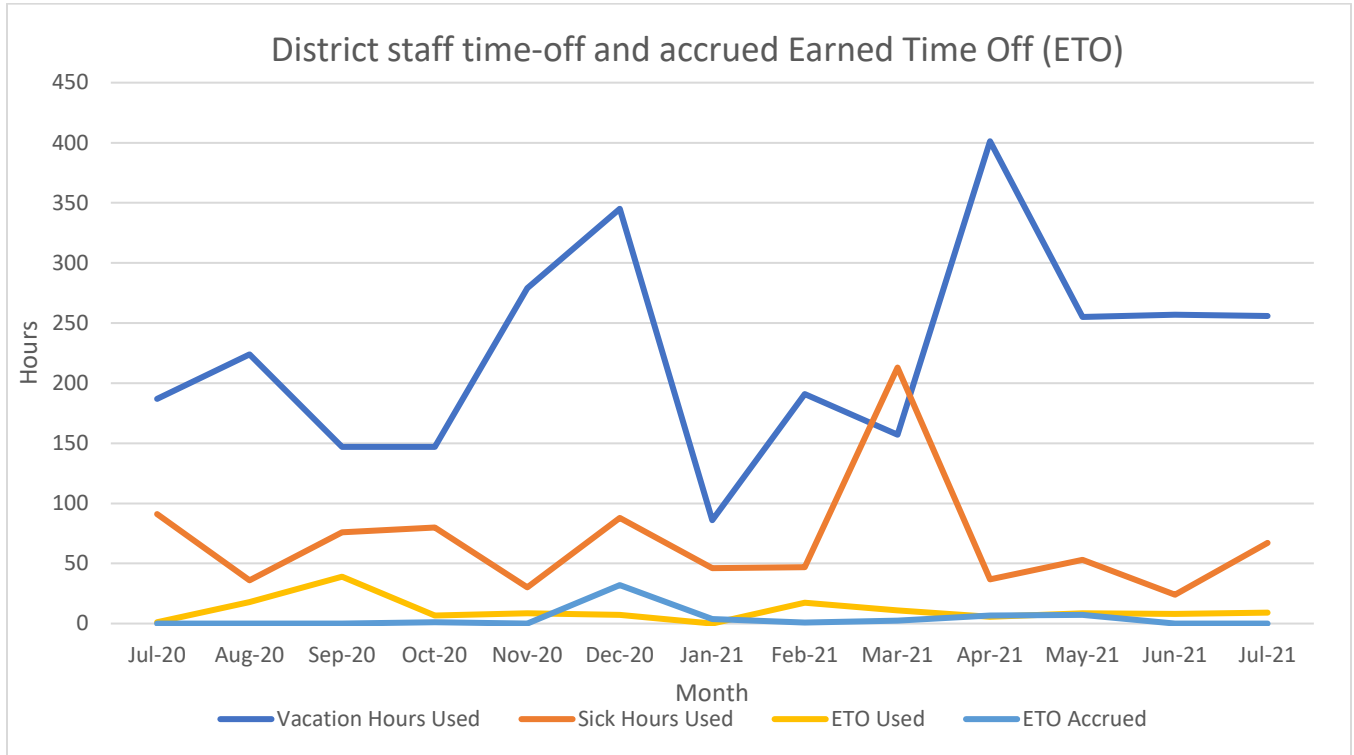


## A. District Data

### 1. August Service Requests

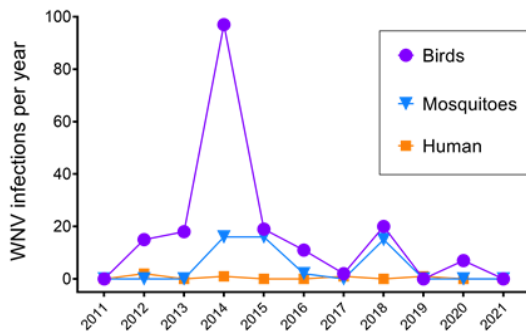


## 2. Activity Report

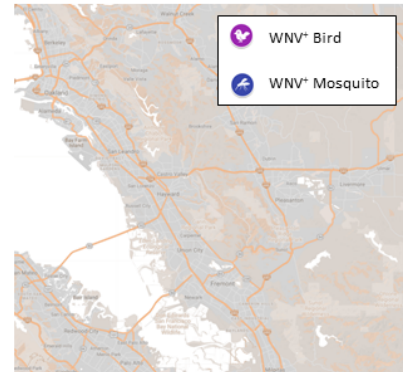


## 3. WNV Activity

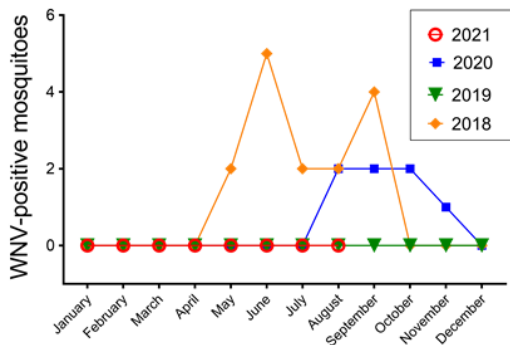
WNV infections detected in Alameda County 2011 – 2021



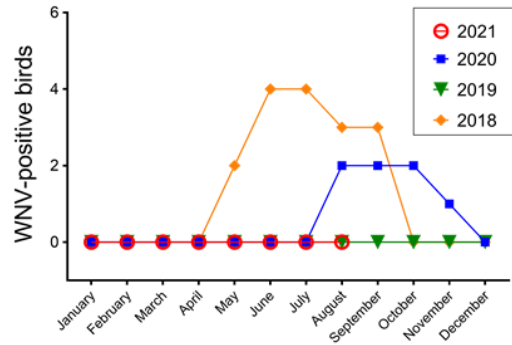
Locations of WNV-infected mosquitoes and birds collected in Alameda County during 2021



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 August 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*. CO<sub>2</sub>-baited encephalitis virus survey (EVS) traps collected 16% fewer mosquitoes during August 2021 relative to the prior month (668 EVS traps were placed during August and 591 traps contained mosquitoes that were identified to species (N = 8,311). New Jersey Light Traps (NJLT) captured a similar number of adult mosquitoes during August relative to the prior month (N = 161 mosquitoes).
- *Invasive mosquitoes*. Invasive *Aedes* mosquitoes were not detected in Alameda County during 2021.
- A single adult female *Culex restuans* was collected in a trap from Pleasanton, the first record of this species in Alameda County since at least 2001.

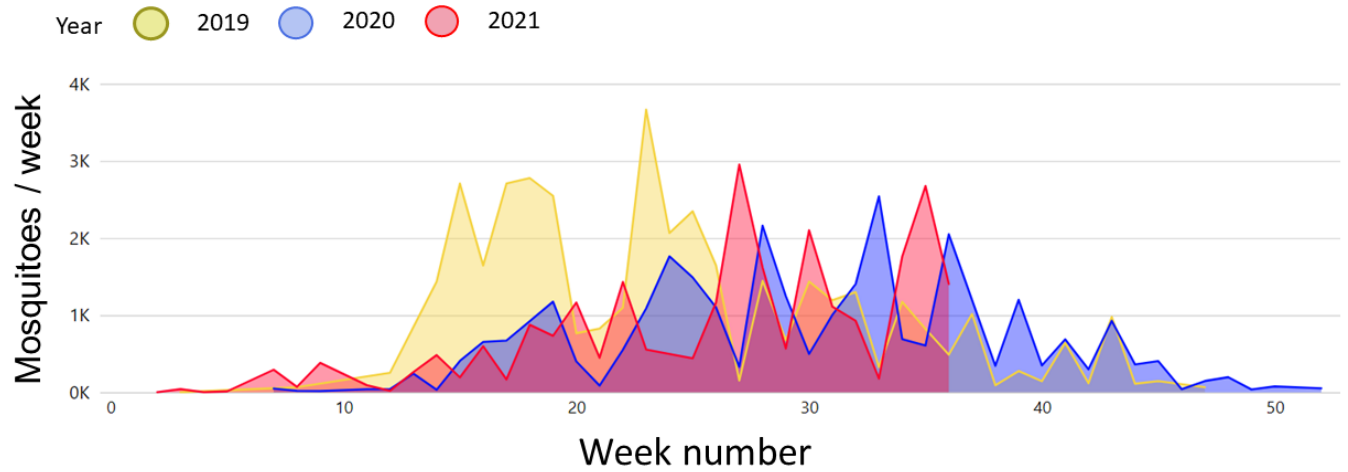
### Arbovirus Monitoring

- WNV was not detected in birds collected in Alameda County during August 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.

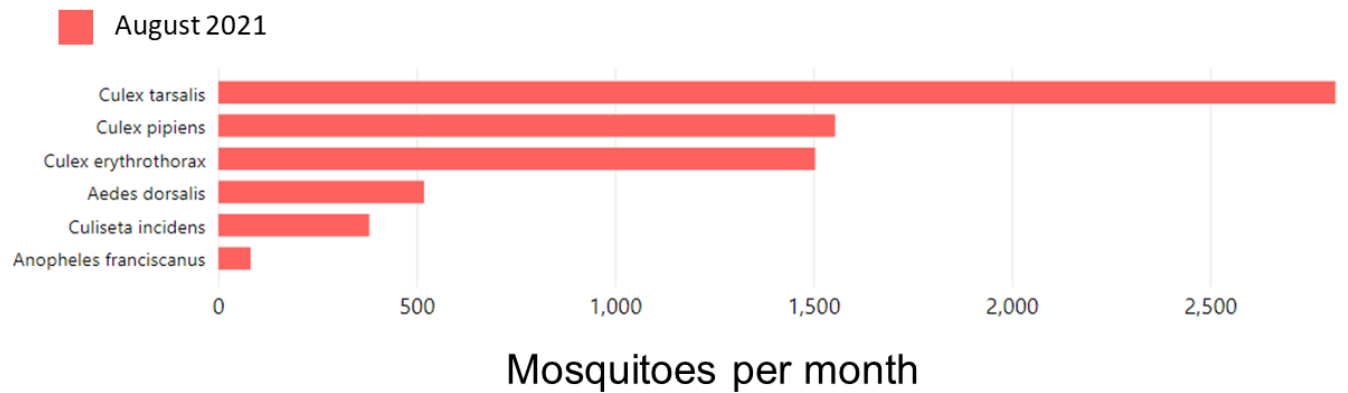
### Native Mosquito Abundance

- Over the course of 668 trap nights, a total of 8,311 adult mosquitoes were captured in EVS traps during August 2021, a 16% decrease relative to the prior month (Figure 1). Seventy-seven EVS traps did not collect any mosquitoes (Figure 1, insert).
- The two most abundant mosquito species that were collected in EVS traps were *Culex tarsalis* and *Culex pipiens*, both West Nile virus vectors (2,818 *Cx. tarsalis* and 1,555 *Cx. pipiens*; Figure 1A and Figure 2).
- EVS traps placed near the southern boarder of the county collected relatively high quantities of adult female *Cx. erythrothorax* (N = 1,984), *Cx. pipiens* (N = 569) and *Cx. tarsalis* (1,097; Figure 1B). High abundance of adult *Cx. tarsalis* was also observed in the western region of Newark (N = 1,401) and the southern region of Coyote Hills Regional Park (N = 790; Figure 1C). Hot and dry weather kept adult mosquito abundance in the eastern region of the county low (Figure 1D).
- Although several high tides triggered the production of *Aedes dorsalis* larvae (not shown), the adult abundance was low (Figure 1), further demonstrating the value of applying VectoBac 12AS using the A1 Mist Sprayer in marsh habitats to control this aggressive species.
- Mosquito abundance for August, as measured using NJLT, was similar the prior month (N = 161). *Culiseta incidens*, which is not a WNV vector, was most abundant species collected in NJLT (Figure 4). The greatest number of mosquitoes were collected in the NJLT at Coyote Hills Regional Park (n = 24; Figure 5).
- A single adult female *Culex restuans* was collected in a trap from Pleasanton (Figure 6). This is the first of this species recorded in our database, which begins in 2001. This species is often mistaken for *Cx. pipiens* due to similarities in size and color. Distinctive morphological characteristics include a very narrow band of pale scales that overlap the joints of the hind tarsi and a patch of pale scales under the proboscis. *Culex tarsalis* also have pale scales on the proboscis, but they form a complete ring and are brighter (closer to white). *Culex restuans* are typically rare and sporadically distributed from central California and south, occurring near foul or heavily organic water. Adult females are considered a vector of WNV and SLEV, but are not thought to be vectors of high importance.

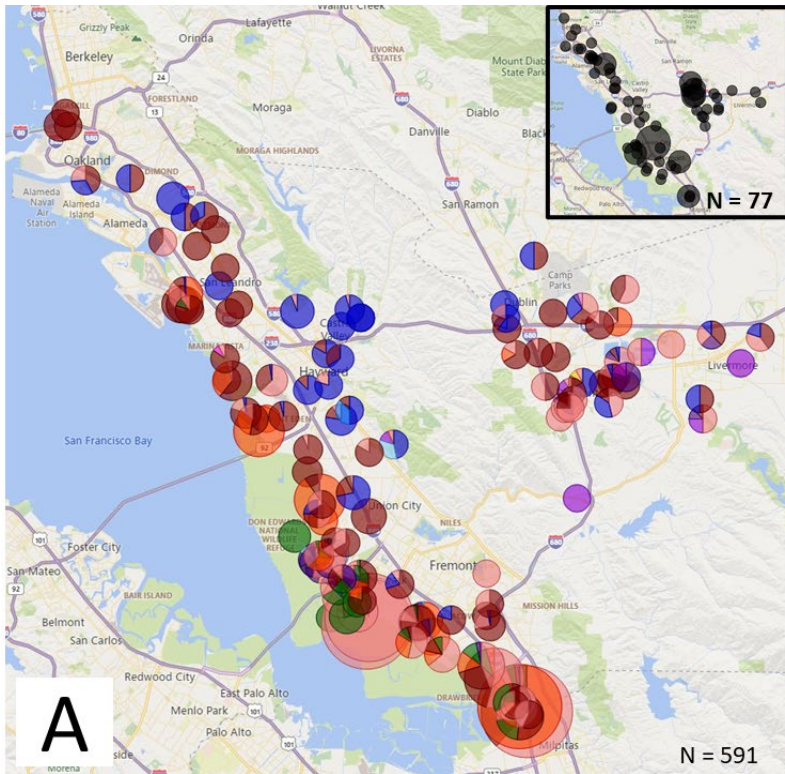
## FIGURES



**Figure 1. Mosquitoes captured in EVS CO<sub>2</sub> traps from 2019 – 2021.** A total of 8,311 adult mosquitoes were captured in EVS CO<sub>2</sub> traps during August 2021 and identified to species. Week 24 was excluded from the graph because the high anomalous abundance during 2021 skewed the y-axis (17,911 mosquitoes captured during week 24 of 2021).

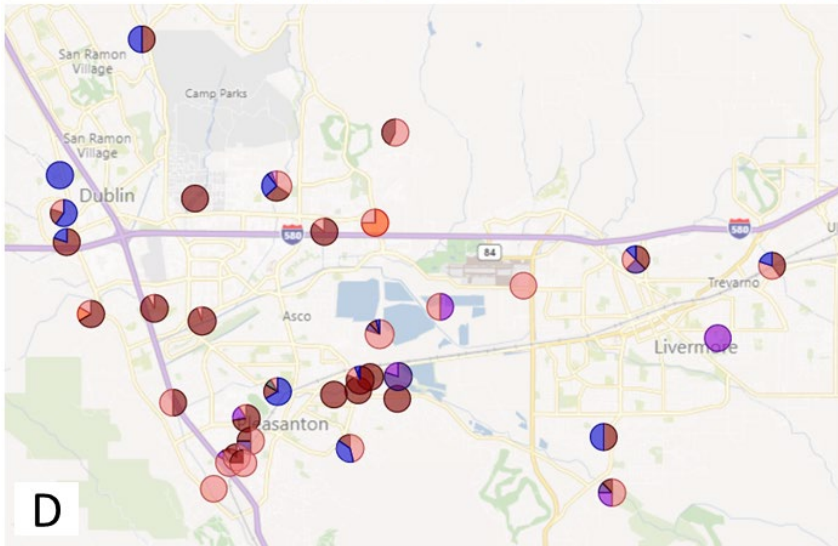
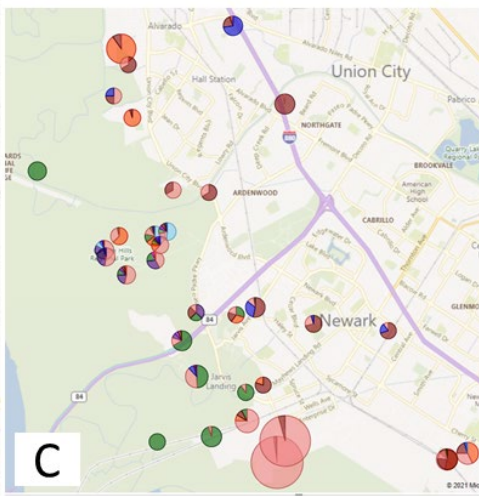
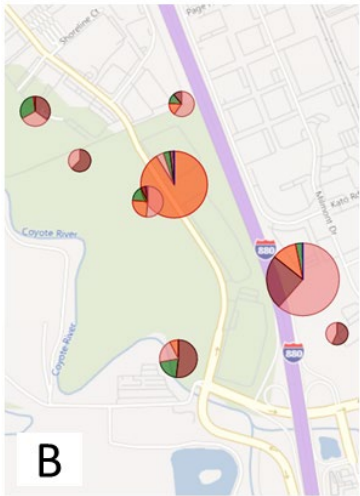


**Figure 2. The most abundant species of mosquito captured using EVS CO<sub>2</sub> traps.**

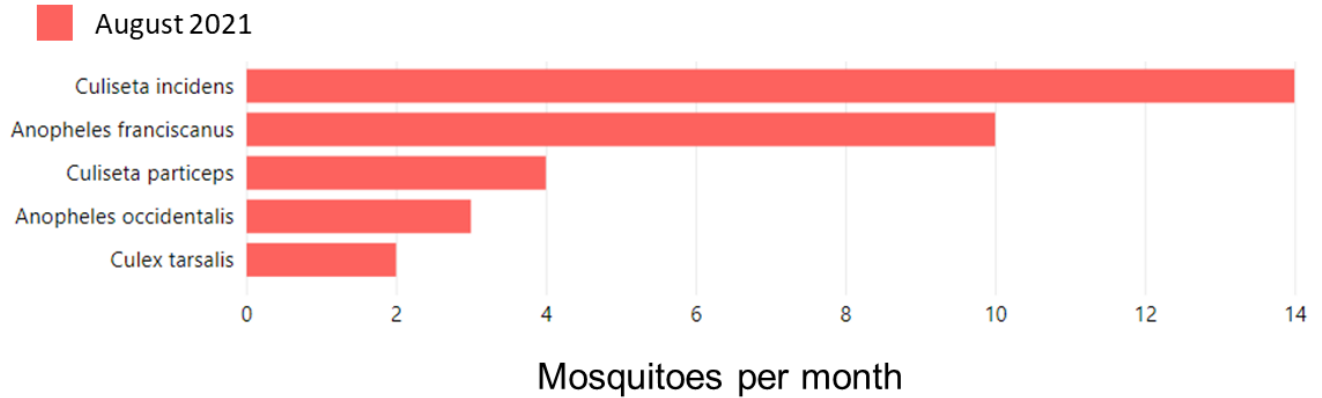


### Species

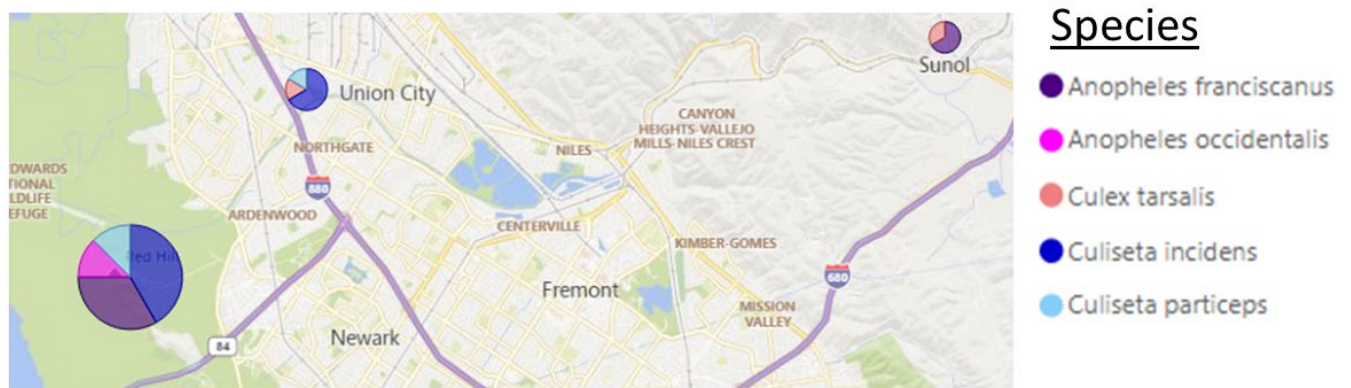
- *Aedes dorsalis*
- *Aedes sierrensis*
- *Aedes washinoi*
- *Anopheles franciscanus*
- *Anopheles freeborni*
- *Anopheles occidentalis*
- *Anopheles punctipennis*
- *Culex erythrothorax*
- *Culex pipiens*
- *Culex restuans*
- *Culex tarsalis*
- *Culiseta incidens*
- *Culiseta inornata*
- *Culiseta particeps*
- No mosquitoes



**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 August 2021. (A) Alameda County. The insert shows traps that were placed but did not collect mosquitoes. (B) Near the southern border of Alameda County where adult *Cx. erythrothorax*, *Cx. tarsalis* and *Cx. pipiens* were relatively high. (C) The western region of Union City and Newark where adult *Cx. tarsalis* abundance was somewhat high while the abundance of *Ae. dorsalis* was low. (D) The eastern region of the county where adult mosquito abundance was low.



**Figure 4. The most abundant species of mosquito captured in NJLT.** A total of 161 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 Coyote Hills Regional Park represents 24 adult female mosquitoes (8 *Anopheles franciscanus*, 3 *Anopheles occidentalis*, 10 *Culiseta incidens* and 3 *Culiseta particeps*).

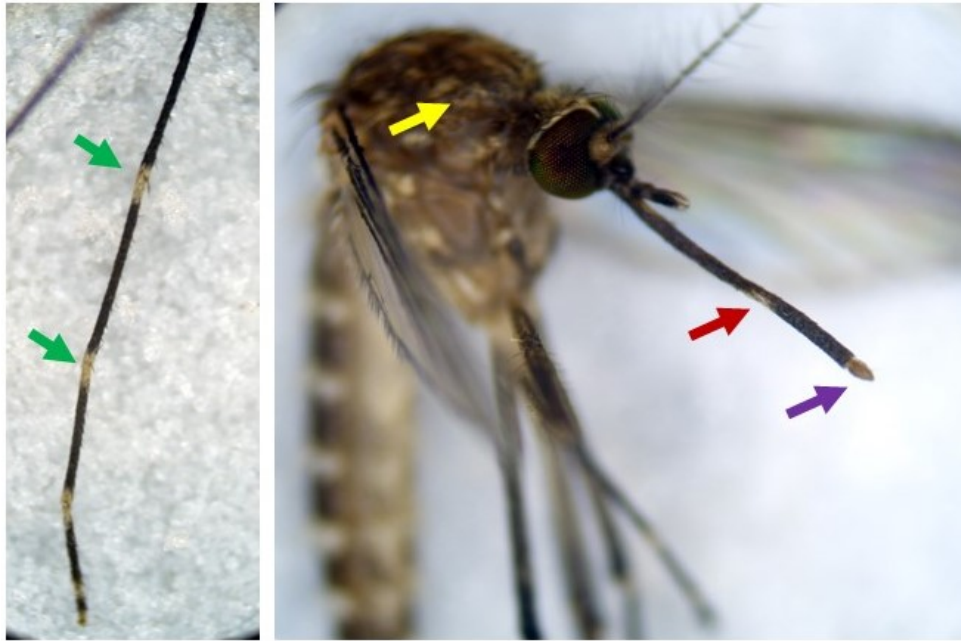


Figure 6. **Adult *Culex restuans* collected from Pleasanton in an EVS trap.** This is the first adult *Cx. restuans* that has been recorded for Alameda County since 2001 or earlier. (Left) Hind tarsus with narrow bands of pale scales (green arrows). (Right) Proboscis without a median ring of bright pale scales, but the underside with a broad patch of dull pale scales (red arrow). Bright tip of proboscis (purple arrow). Scutum with mediolateral spots of pale scales (yellow arrow). The specimen was examined by Eric Haas-Stapleton and Joseph Huston, both of whom concur on the identification.

### 3. PUBLIC EDUCATION

#### A. Google Analytics - changed to reflect current year highlighted at top

##### Audience Overview

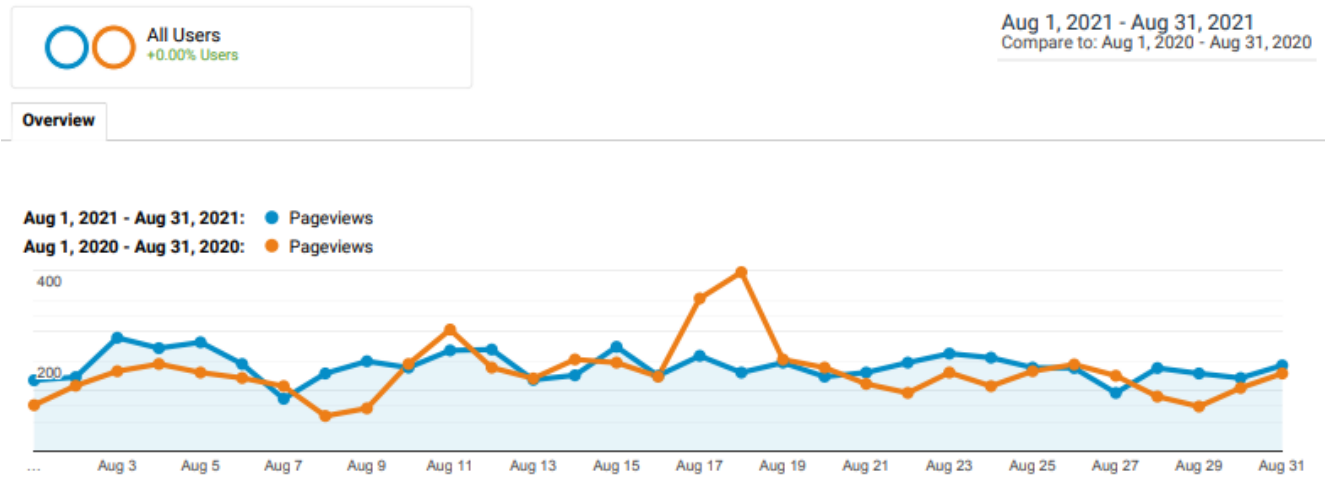


Figure 5. August website users for 2020 compared to 2021.

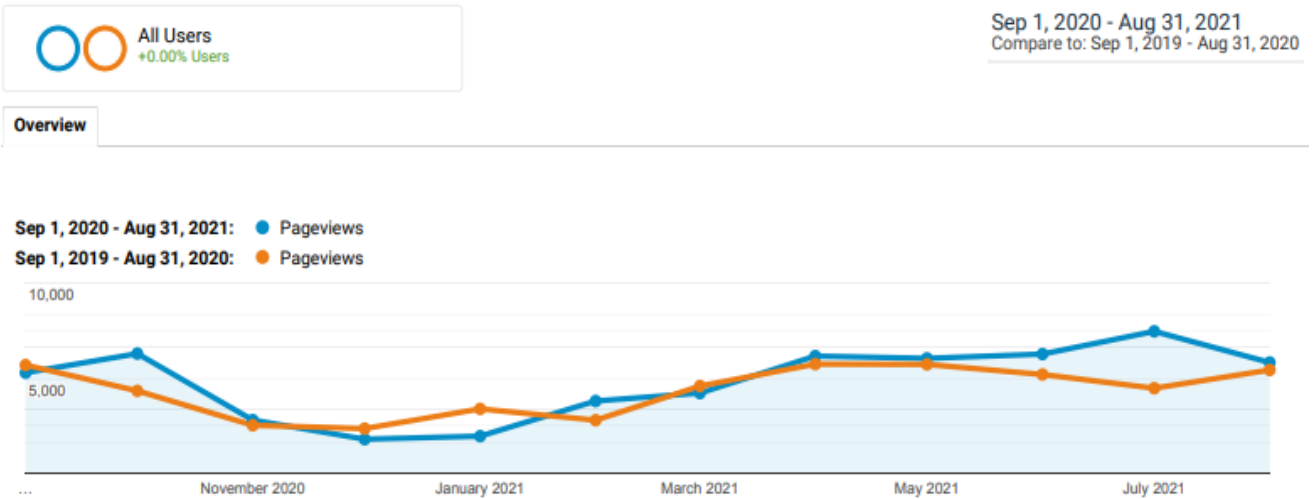
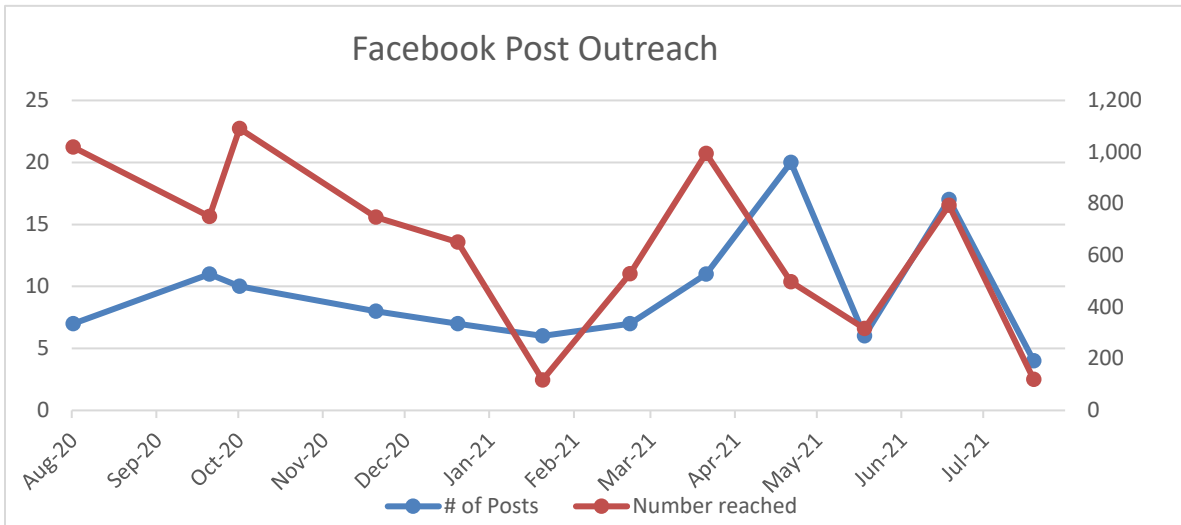


Figure 6. Comparison of website users over the past two years.

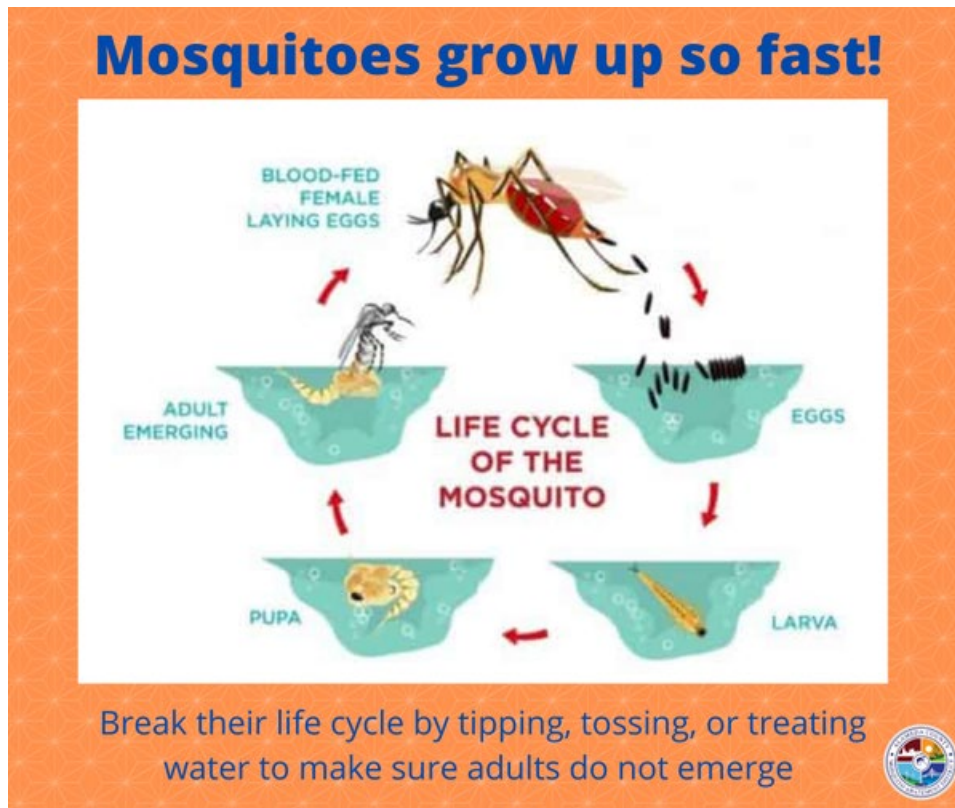


**B. Facebook**



**Facebook:** 2 posts, 163 number reached

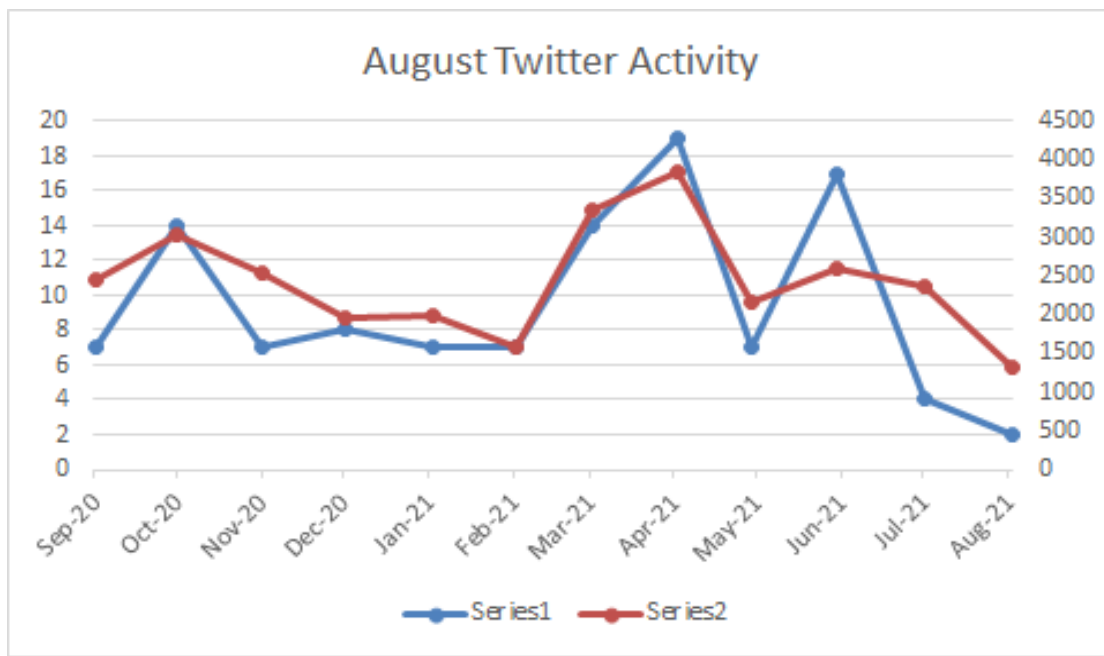
**Total Number of Followers:** 316 (1 added in July)



**Top Facebook Post**

Removing standing water from your yard regularly will cut the mosquito breeding cycle short.

### C. Twitter

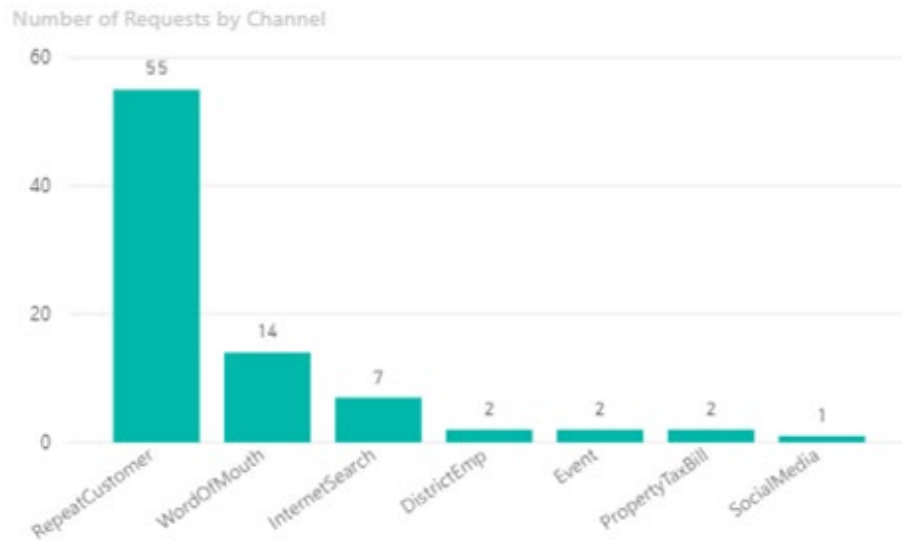


Number of Profile Visits in August: 9    Total Number of Followers: 745 (2 unfollowed since July)



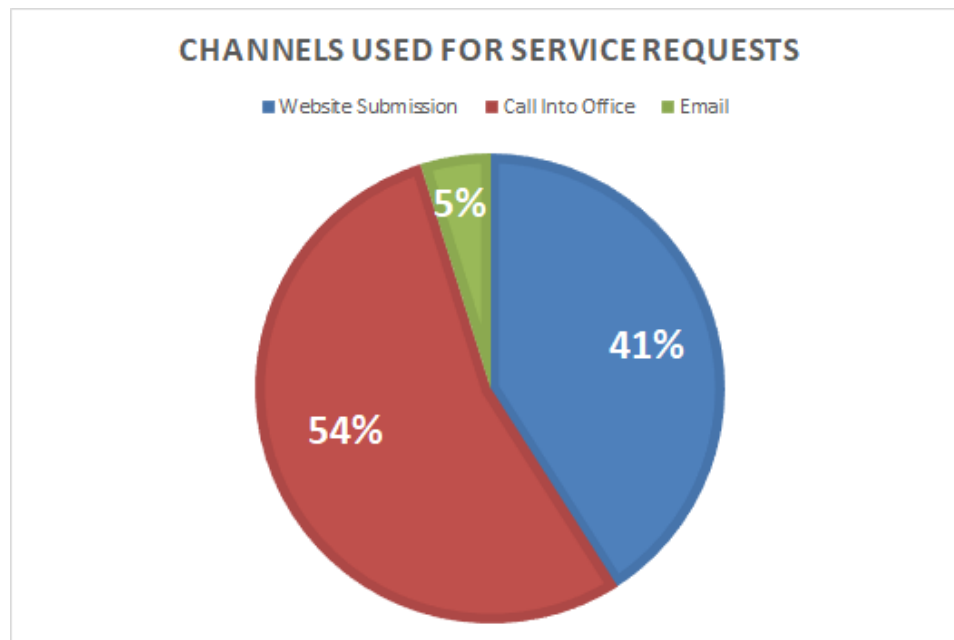
**Top August Twitter Post:** It's [#WorldMosquitoDay](#)! Take care of standing water to eliminate mosquitoes.

#### D. Service Request Referral Summary for August

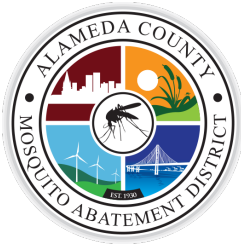


Note: Multiple residents listed two or more referrals

#### E. Channels Used by Residents to Request Service



75 requests in total, 27 web submissions, 44 calls and 4 emails



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#### **Ryan Clausnitzer**

*General Manager*

### Background:

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

Employee	Job Title	Years of Service	Anniversary Date
Sarah Lawton	Vector Biologist	6	September 14th
Ben Rusmisl	Vector Biologist	6	September 28th



Alameda County Special Districts Association  
21040 Marshall Street  
Castro Valley, CA 94546  
[www.csdanet/about-csda/chapters-networks/chapter-alameda-county](http://www.csdanet/about-csda/chapters-networks/chapter-alameda-county)

Twenty Members Serving Alameda County

- ◆ Alameda Contra Costa Transit District
- ◆ Alameda County Mosquito Abatement District
- ◆ Alameda County Resource Conservation District
- ◆ Alameda County Vector Control Services District
- ◆ Alameda County Water District
- ◆ Alameda LAFCo
- ◆ Castro Valley Sanitary District
- ◆ City of Alameda Health Care District
- ◆ Dublin San Ramon Services District
- ◆ East Bay Municipal Utility District
- ◆ East Bay Regional Park District
- ◆ Eden Township Healthcare District
- ◆ Fairview Fire Protection District
- ◆ Hayward Area Recreation and Park District
- ◆ Livermore Area Recreation and Park District
- ◆ Oro Loma Sanitary District
- ◆ StopWaste
- ◆ Union Sanitary District
- ◆ Washington Township Health Care District
- ◆ Zone 7 Water Agency

Five Partner Members

- ◆ Alameda County Industries, Inc. (ACI)
- ◆ Bank of the West
- ◆ Best Best & Krieger LLP
- ◆ HF&H Consultants, LLC
- ◆ Waste Management of Alameda County

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Castro Valley Sanitary District  
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[Roland@cvsan.org](mailto:Roland@cvsan.org)
- ◆ Shelia Young  
Vice President  
Oro Loma Sanitary District  
(510) 507-3041  
[SYoung@oroloma.org](mailto:SYoung@oroloma.org)
- ◆ Georgan Vonheeder-Leopold  
Treasurer  
Dublin San Ramon Services District  
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[geovonleo@gmail.com](mailto:geovonleo@gmail.com)
- ◆ Ryan Clausnitzer  
At-Large  
Alameda County Mosquito Abatement District  
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[Ryan@mosquitoes.org](mailto:Ryan@mosquitoes.org)
- ◆ Mark Friedman  
At-large  
Eden Township Healthcare District  
(510) 538-2031  
[Mark@ethd.org](mailto:Mark@ethd.org)

**Alameda County Special Districts Association**

**Wednesday, September 8, 2021**

*Hosted by:*

**Oro Loma Sanitary District (OLSD)**

*Located at:*

**Teleconference – See Instructions Below**

**JOIN ZOOM MEETING:**

<https://us02web.zoom.us/j/82801037684?pwd=NnBVWDNkK2doWXh6U2dWWXIDaHo2UT09>

Meeting ID: 828 0103 7684

Passcode: 104007

Dial by your location: 1 669 900 6833

**8:00 a.m. Meeting**

**10:00 a.m. Adjourn**

**Presiding: Roland P. Williams, Jr., President**

**AGENDA**

**8:00 A.M.**

**1. CALL TO ORDER**

- 1.1 Roland P. Williams, Jr., ACSDA President
- 1.2 Thank you to OLSD for hosting  
Thank you to Lacey Aldridge for taking minutes

**2. SELF INTRODUCTIONS (Name & District)**

- 2.1 Self Introductions

**8:10 A.M.**

**3. WELCOME**

- 3.1 Welcome to OLSD  
Shelia Young, OLSD Director

**8:15 A.M.**

**4. GUEST SPEAKERS**

- 4.1 Jason Warner, OLSD General Manager (GM)  
Topic: OLSD Update – 15 minutes
- 4.2 Donald E. Hester, City of Livermore Cybersecurity Manager  
Topic: Cyber and Infrastructure Security – 30 minutes

**9:15 A.M.**

**5. UPDATES**

- 5.1 Alameda County Local Agency Formation Commission  
Chapter Representatives: Ralph Johnson, Ayn Wieskamp, and Georgan Vonheeder-Leopold, and Executive Officer, Rachel Jones
- 5.2 East Bay Regional Park District Park Advisory Committee Chapter  
Representative: Roland Williams
- 5.3 CSDA General Updates: Colleen Haley



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21040 Marshall Street  
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[www.cstda.net/about-cstda/chapters-networks/chapter-alameda-county](http://www.cstda.net/about-cstda/chapters-networks/chapter-alameda-county)

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- 

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- ◆ Mark Friedman  
At-large  
Eden Township Healthcare District  
(510) 538-2031  
[Mark@ethd.org](mailto:Mark@ethd.org)

**9:35 A.M.**

**6. BUSINESS**

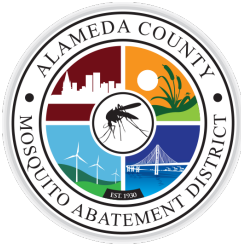
- 6.1 Financial Report: Georgan Vonheeder-Leopold, Treasurer
- 6.2 May 2021 Membership Minutes: Approval by Membership
- 6.3 July 2021 Membership Minutes: Approval by Membership

**7. NEXT MEMBERSHIP MEETINGS**

- 7.1 Wednesday, November 10, 2021 at 8:00 a.m.  
Host: Hayward Area Recreation and Park District  
Speakers: TBD
- 7.2 Wednesday, January 12, 2022  
Host: TBD  
Speakers: TBD

**10:00 A.M.**

**9. ADJOURNMENT**



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### **Piedmont**

Julie Testa

### **Pleasanton**

### **Ryan Clausnitzer**

*General Manager*

## ACMAD Policy Update 2021

Staff is currently reviewing policies to update which are mostly focused on section 100 related to the Board such as officer selection along with committee language to match practice, along with some additional clean-up language. After scheduling a meeting with the Policy committee, we hope to have the 1<sup>st</sup> reading at the October 13<sup>th</sup> Board meeting.

This is step 2 of the policy revision process (**bolded below**):

1. The General Manager determines which policies may be out of compliance, drafts revisions, and has those revisions reviewed by an HR consultant.
2. **This draft is shared with supervisory staff for comments.**
3. That update is then shared with the ACMAD Policy Committee for review.
4. Any changes are reviewed by the Employee Association.
5. If changes are requested by the employee association, step 3 is repeated. If no changes are suggested, that agreed upon draft is placed in the Board packet for the 1<sup>st</sup> Board reading.
6. If changes are requested at the Board meeting, steps 3-4 are repeated, if no changes are made, the policies are placed in the following Board packet for a 2<sup>nd</sup> reading and adoption by the Board of Trustees.
7. The updated policies are then provided to staff and posted to the website.