



**Coachella Valley Mosquito and Vector Control District**

**43420 Trader Place, Indio, CA 92201 | (760) 342-8287 | cvmosquito.org**

**Board of Trustees Meeting Via Zoom**

**Tuesday, March 8, 2022**

**6:00 p.m.**

**AGENDA**

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The Board of Trustees will take action on all items on the agenda.

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Materials related to an agenda item that are submitted to the Board of Trustees after distribution of the agenda packets are available for public inspection in the Clerk of the Board's office during normal business hours and on the District's website.

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Pursuant to Assembly Bill 361, this meeting will be conducted by video and/or teleconference and there will be no in-person public access to the meeting location. To view/listen/participate in the meeting live, please join by calling 1-888-475-4499 (toll-free), meeting ID: [862 2374 8064](https://us02web.zoom.us/j/86223748064), or click this link to join: <https://us02web.zoom.us/j/86223748064>. Written public comment may also be submitted to the Clerk of the Board by 2:30 p.m. on March 8, 2022, at [mtallion@cvmosquito.org](mailto:mtallion@cvmosquito.org). Transmittal prior to the meeting is required. Any correspondence received during or after the meeting will be distributed to the Board as soon as practicable and retained for the official record.

Assistance for those with disabilities: If you have a disability and need an accommodation to participate in the meeting, please call the Clerk of the Board at (760) 342-8287 for assistance so the necessary arrangements can be made.

- 1. Call to Order** – Benjamin Guitron, President
- 2. Pledge of Allegiance**
- 3. Roll Call**

#### 4. Confirmation of Agenda

#### 5. Public Comments

Those wishing to address the Board should send an email to the Clerk of the Board by 2:30 p.m. on March 8, 2022, at [mtallion@cvmosquito.org](mailto:mtallion@cvmosquito.org), or appear at the meeting to provide public comments. Please note that, as stated above, the meeting will be conducted remotely.

- A. **PUBLIC Comments — NON-AGENDA ITEMS:** This time is for members of the public to address the Board of Trustees on items of general interest (a non-agenda item) within the subject matter jurisdiction of the District. The District values your comments; however, pursuant to the Brown Act, the Board cannot take action on items not listed on the posted Agenda. **Comments are limited to a total of three (3) minutes per speaker for non-agenda items.**
  
- B. **PUBLIC Comments — AGENDA ITEMS:** This time is for members of the public to address the Board of Trustees on agenda items (Open and Closed Sessions). **Comments are limited to three (3) minutes per speaker per agenda item.**

All comments are to be directed to the Board of Trustees and shall be devoid of any personal attacks. Members of the public are expected to maintain a professional, courteous decorum during public comments.

#### 6. Board Reports

A. President's Report – **Benjamin Guitron, President**

Executive Committee oral report and Executive Committee minutes from February 22, 2022  
**(Pg. 6)**

B. Finance Committee – **Doug Walker, Treasurer**

Finance Committee oral report and Finance Committee minutes from February 8, 2022  
**(Pg. 11)**

#### 7. Staff Informational Reports

A. Live Reports

- General Manager's Report – **Jeremy Wittie, M.S., General Manager**
- Information Technology and Fleet Introduction – **Edward Prendez, Information Technology Manager**
- Arbovirus Threats and Activity Report – **Jennifer A. Henke, M.S., Laboratory Manager**

## *Questions and/or comments from Trustees regarding the reports*

### **8. Items of General Consent**

The following items are routine in nature and may be approved by one blanket motion upon unanimous consent. The President or any member of the Board of Trustees may request an item be pulled from Items of General Consent for a separate discussion.

- A. Approval of Resolution 2022- 04 authorizing remote teleconferencing meetings for the period March 12, 2022 – April 10, 2022 **(Pg. 15)**
- B. Minutes for February 8, 2022, Board Meeting **(Pg. 21)**
- C. Approval of expenditures for February 2, 2022-March 3, 2022 **(Pg. 28)**
- D. Approval of Proclamation designating the week of April 17-23, 2022, as Mosquito Awareness Week– **Tammy Gordon, M.A. APR, Public Information Officer (Pg. 29)**
- E. Annual Statement of Economic Interests/Form 700 Annual Filing for the filing period of 2021/2022 – **Melissa Tallion, Executive Assistance/Clerk of the Board (Pg. 30)**
- F. Approval to renew the contract with CleanExcel for cleaning services for the District headquarters in an amount not to exceed \$3,811.00 per month from fund 7675.01.305.000 – Contract Services, **Budgeted; funds available – David I’Anson, MPA, MBA/ACC., Administrative Finance Manager (Pg. 31)**
- G. Approval to renew the annual agreement with Salton Sea Aerial Services, Inc. to conduct both aerial adulticiding and larviciding applications; **Budgeted; Funds Available – Roberta Dieckmann, Operations Manager (Pg. 32)**
- H. Informational Items:
  - Financials – **David I’Anson, MPA, MBA/ACC., Administrative Finance Manager (Pg. 34)**
  - Quarterly Department Reports **(Pg. 49)**
  - Board Business Log **(Pg. 67)**
  - Strategic Planning Workshop Minutes **(Pg. 69)**
  - Important Budget Meeting Dates, Finance Committee **(Pg. 74)**
  - Prerecorded presentation regarding the Environmental Reports included in the Board packet **(click here to view)** – **Jennifer A. Henke, M.S., Laboratory Manager**

- National Pollutant Discharge Elimination System (NPDES) Annual Reports – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 75)**
- EPA Pesticide Environmental Stewardship Program (PESP) – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 79)**
- California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report – **Jennifer A. Henke, M.S., Laboratory Manager (Pg. 89)**
- Trustee Travel – **Melissa Tallion, Executive Assistance/Clerk of the Board (Pg. 99)**
- Mosquito and Vector Control Association of California (MVCAC) Annual Conference, February 7-10, 2022, Sacramento, CA **(Pg. 100)**
- American Mosquito Control Association (AMCA) Annual Conference, February 28-March 4, 2022 **(Pg. 102)**

## 9. Old Business

- Continued discussion regarding COVID-19 and returning to in-person meetings – **Executive Committee; Jeremy Wittie, M.S., General Manager (Pg. 103)**

## 10. New Business

- Discussion and/or approval to purchase an Unmanned Aircraft System (UAS), payload and battery systems in an amount not to exceed \$69,000.00, from Leading Edge. Capital Replacement Budget Fund #8415.13.300.000 – **Budgeted; Funds Available-** Capital Replacement – **Edward Prendez, Information Technology Manager (Pg. 105)**

## 11. Closed Session (s)

**Closed Session (s):**

## 12. Comments by General Counsel

## 13. Trustee Comments, Requests for Future Agendas Items, Travel, and/ or Staff Actions

The Board may not legally take action on any item presented at this time other than to direct staff to investigate a complaint or place an item on a future agenda unless (1) by a majority vote, the Board determines that an emergency exists, as defined by Government Code Section 54956.5, or (2) by a two-thirds vote, the board determines that the need for action arose subsequent to the agenda being posted as required by Government Code Section 54954.2(a). Each presentation is limited to no more than three minutes.

## 14. Adjournment

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

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### **Certification of Posting**

I certify that on March 4, 2022, I posted a copy of the foregoing agenda near the regular meeting place of the Board of Trustees of the Coachella Valley Mosquito & Vector Control District and on the District's website, said time being at least 72 hours in advance of the meeting of the Board of Trustees (Government Code Section 54954.2)

Executed at Indio, California, on March 4, 2022.

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Melissa Tallion, Clerk of the Board



# **BOARD REPORTS**

**Coachella Valley Mosquito and Vector Control District**  
**Executive Committee Meeting Via Zoom**  
**Minutes**

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**TIME AND DATE:** 1:30 p.m. Tuesday, February 22, 2022

**LOCATION:** 43420 Trader Place, Indio, CA 92201

**TRUSTEES PRESENT:**

Indio	Benjamin Guitron, President (joined after roll call at 1:37 p.m.)
Indian Wells	Clive Weightman, Vice President
Rancho Mirage	Isaiah Hagerman, Secretary
Palm Desert	Doug Walker, Treasurer

**ABSENT:**

None

Members of the Public present:

Yes

**OTHERS PRESENT:**

Jeremy Wittie, M.S., General Manger  
Melissa Tallion, Clerk of the Board

**1. Call to Order**

*Vice President Weightman called the meeting to order at 1:36 p.m. President Guitron joined at 1:37 p.m. and led the meeting going forward.*

**2. Roll Call**

*Roll call indicated three (3) Committee members were present.*

**3. Confirmation of Agenda**

*There was a consensus to approve the agenda as presented.*

**4. Public Comments**

*One (1) written public comment was received from Mr. Brad Anderson. The written comment was distributed to the Executive Committee and Legal Counsel and is attached to the minutes for the record.*

*Mr. Anderson spoke on both non-agenda and agenda items.*

## **5. Review of March 8, 2022, draft Board meeting agenda**

*The draft February Board meeting agenda was reviewed by the Committee. Trustee Walker would like Jennifer Henke to add a slide to her live report highlighting her pre-recorded presentation on the Environmental reports. Trustee Weightman would like to see the annual report pulled from informational items and added to a New Business item. Jeremy Wittie mentioned that the annual report may be moved to the May Board meeting since it is not quite ready. President Guitron would like to see the Assemblymember Garcia report pulled from informational items and added to a New Business item. The Committee discussed this item, and it will stay as-is and Jeremy will cover it in his General Managers report. Trustee Walker and the Committee discussed our options to continue remote meetings during the month of April since the Resolution before the Board at the March meeting will expire on April 11, 2022. Melissa Tallion will confirm with Legal Counsel and report her findings back to the Committee. A discussion ensued regarding New Business item 10A. Jeremy gave a brief explanation of the new position.*

## **6. Old Business**

- A. Continued discussion regarding COVID-19 and returning to in-person meetings

*The Committee discussed the plan to return to in-person meetings. The Committee did not come to a consensus to fully return to in-person meetings. The Committee would like to see a hybrid option moving forward. Jeremy and Melissa will work with Legal Counsel on the ability of a hybrid meeting as well as work with the District's IT staff to work through any technical challenges.*

- B. Strategic Plan workshop discussion

*Jeremy gave an overview of the Strategic Plan timeline. Staff and Trustees have given feedback to Jeremy regarding the workshop. The Committee decided that have a workshop to review the draft strategic plan in April.*

- C. LAFCO Update

*No update from LAFCO yet*

## **7. New Business**

- A. Discussion: Board development, support, culture, and connection

*Jeremy gave a summary of the background. Jeremy would like to focus on Trustee engagement. Expand the Trustee's understanding and appreciation for the District IVM programs and services. And develop professional relationships and rapport between Trustees, General Manager, and staff. The Executive Committee agreed that the onboarding of new Trustees will include an orientation and field days.*



*Jeremy will also discuss this during his General Managers report during the March Board meeting.*

**8. Trustee/staff comments**

*Trustee Hagerman asked if the District had a policy/ordinance or best practices about storm drains. Jeremy will research and send it out.*

**9. Confirmation of next meeting**

*The next meeting was scheduled for Tuesday, April 26, 2022, at 1:30 p.m.*

**10. Adjournment**

*The meeting was adjourned by President Guitron at 2:41 p.m.*

## Melissa Tallion

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**From:** [REDACTED]  
**Sent:** Tuesday, February 22, 2022 1:26 PM  
**To:** Melissa Tallion; Edward Prendez  
**Subject:** Public Comment - CVMVCD Executive committee meeting - 2/22/22 (1:30PM)

February 22, 2022

Coachella Valley Mosquito and Vector Control District (CVMVCD)  
43420 Trader Pl  
Indio, CA 92201  
888.343.9399 - [www.cvmvcd.org](http://www.cvmvcd.org)  
Attn: Current Clerk of the Board/Appointees

Re: Written letter to be entered in the Public record and made available to the general public for the scheduled CVMVCD Executive committee meeting held on February 22, 2022 -required remotely performed meeting (Absolutely No citizens allowed to attend In-Person) see agenda items listed

Dear selected member's of this CVMVCD Sub-committee,

Please review the written statements in regards to agenda Item's listed below:

1) Agenda Item: 6-A (virus narrative/continued static operations)

The ability of the current CVMVCD administration to perform the official duties to reduce and or eliminate harmful Vector activity within its boundaries have been dreadful. Combined with the inability to safety operate during a self-declared local CVMVCD emergency (Virus event) have placed the Coachella Valley at Increased risk of harm from clearly unprofessional conduct of the CVMVCD administration under the (General Manager - Jeremy Wittie) poor performance to manage

Please consider external candidates/companies to oversee the CVMVCD administration to ensure accountability to the Residents/stakeholders that continue to fund the CVMVCD.

2) Agenda Item: 6-B (Strategie "Workshop")

Of course having been denied the opportunity to review many aspects of the live CVMVCD external contractor conducted "Workshop" meeting. And being denied any copies (Recordings- Public Records) after requesting prior to the conclusion of that "Workshop meeting" have shown the potential willingness of the CVMVCD (Clerk of the Board - Melissa Tallion) to limit/eliminate the Public's ability to activity participate and or monitor CVMVCD precived Open Public meetings.

Please consider allowing taxpayers the ability to review how the CVMVCD organization uses resources (tax collected dollars) to support other special Interests that the CVMVCD administration should be capable of performing themselves.

Sincerely,

Brad Anderson | [REDACTED]

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**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT**

**Finance Committee Meeting Via Zoom  
DRAFT-Minutes**

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**TIME** 4:30 p.m. **DATE:** February 8, 2022

**LOCATION:** 43420 Trader Place Indio, CA 92201- ***Via Zoom***

**COMMITTEE MEMBERS PRESENT:**

Palm Desert	Doug Walker
Indian Wells	Clive Weightman
County at Large	Bito Larson

**COMMITTEE MEMBERS ABSENT:**

Rancho Mirage	Isaiah Hagerman
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**STAFF PRESENT:**

Jeremy Wittie, M.S., General Manager  
David l'Anson, MPA, MBA/ACC., Administrative Finance Manager  
Melissa Tallion, Executive Assistant/Clerk of the Board

**MEMBERS OF THE PUBLIC PRESENT:**

Yes

**1. Call to Order**

*Treasurer Walker called the meeting to order at 4:32 p.m.*

**2. Roll Call**

*Roll call indicated all three (3) of the four (4) Committee members were present.*

**3. Confirmation of Agenda**

*Two modifications of the agenda were noted. Item 5, approval of minutes from November 9, 2021, and Item 6c-review of January 2022 financial. The agenda was confirmed as modified.*

**4. Public Comments**

*Mr. Anderson let the Committee know that he had submitted his written statements. Those statements were distributed to the Finance Committee and Legal Counsel.*

**5. Items of General Consent**

Approval of Minutes from November 9, 2021, Finance Committee Meeting

*On a motion from Trustee Weightman, seconded by Trustee Larson, and passed by the following roll call votes, the Committee approved the minutes as presented.*

Ayes: Treasurer Walker and Trustees Larson and Weightman.

Noes: None.

Abstained: None

Absent: Trustee Hagerman

## **6. Discussion, Review, and/or Update**

- A. Review of Check Report from Abila MIP for the period of January 11, 2022, to February 4, 2022

*A discussion ensued concerning a few checks that needed further explanation.*

- B. CalCard Charges for statement dated January 24, 2022

*The CalCard monthly statement was reviewed by Committee members and staff. Questions regarding specific charges were brought forward by Trustees and staff provided more information.*

- C. Review of January 2022 Financials and Treasurers Report

*The documents were reviewed. Trustee Weighman asked David l'Anson to provide add a year-end forecast to the General Fund Operational Cash Flow Chart.*

## **7. Old Business**

- A. None

## **8. New Business**

- A. Review of finance-related items on Board Agenda

- i. Capital Projects-HVAC & Admin Building

*Jeremy Wittie gave an overview of the projects. The Finance Committee reviewed the staff report and supports the recommendation of the Land/Building Committee and Staff to bring this to the Board*

- ii. Auditor

*David l'Anson said that due to the Pandemic it is safer for his staff to continue to work with Fedak & Brown, LLP due to their familiarity with conducting a remote audit. David explained the regulations to the Finance Committee.*

## **9. Schedule Next Meeting**

*The next Finance Committee meeting is scheduled via Zoom for Tuesday, March 8, 2022, at 4:30 p.m.*

*David l'Anson reviewed the FY 2022-23 Budget Calendar with the Finance Committee. Melissa Tallion will share the calendar with the Committee.*

**10. Trustee and/or Staff Comments/Future Agenda Items**

*None*

**11. Adjournment**

*The meeting was adjourned by Treasurer Walker at 5:13 p.m.*

## Melissa Tallion

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**From:** [REDACTED]  
**Sent:** Tuesday, February 8, 2022 4:23 PM  
**To:** Melissa Tallion; Edward Prendez  
**Subject:** Public Comment - CVMVCD "Finance Committee meeting" of 2/8/22

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

February 8, 2022

Coachella Valley Mosquito and Vector Control District (CVMVCD)  
43420 Trader PI  
Indio, CA. 92201  
760.342.8287 - [www.cvmvcd.org](http://www.cvmvcd.org)  
Attn: Clerk of the Board (Melissa Tallion)

Re: Written letter to be entered in to the Public record and made available to the general public for the CVMVCD "Finance Committee meeting " held (remotely) on February 8, 2022 - Public Comment (Submitted in accordance with California's AB361)

Dear CVMVCD appointed members,

The CVMVCD board of Trustees construction of a declared sub-committee named (Finance Committee) has been described as having a unique authority to cancel the right's of taxpayers (citizens) to provide Public testimony or other points of law/Interests on certain agenda Item's at the full CVMVCD Board of Trustees meetings. This misdirected concept of California law was illustrated in writing by the CVMVCD current legal counsel (L. Wade) in past correspondences.

Please consider having all CVMVCD Board of Trustees constructed Sub-committees that are regulated by California's Brown Act requirements (Open Public meetings) to abide by best practices and have a set requirement of day of Month and a set scheduled time of day for every "open Public meeting" of the CVMVCD Board of Trustees appointed Sub-committees.

As you're aware, currently the CVMVCD Board of Trustees allow each Sub-Committee to Independently scheduled each meeting randomly with No apparent concern for a regular predictable date and time for which the general public could depend on.

It's concerning that the CVMVCD Board of Trustees of all appointed members (Non-elected officials) that in turn appoint those members to Sub-committees of the CVMVCD would have the ability to subvert Public Involvement with the use of it's contracted legal counsel.

Sincerely,

Brad Anderson | [REDACTED]

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# **GENERAL CONSENT**

**RESOLUTION NO. 2022-04**

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE  
COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT  
PROCLAIMING A LOCAL EMERGENCY PERSISTS, RE-RATIFYING THE  
PROCLAMATION OF A STATE OF EMERGENCY BY EXECUTIVE ORDER N-09-21,  
AND RE-AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE  
LEGISLATIVE BODIES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR  
CONTROL DISTRICT FOR THE PERIOD MARCH 12, 2022, TO APRIL 10, 2022,  
PURSUANT TO PROVISIONS OF THE RALPH M. BROWN ACT**

**WHEREAS**, the Coachella Valley Mosquito And Vector Control District (the "District") is committed to preserving and nurturing public access and participation in meetings of the Board of Trustees; and

**WHEREAS**, all meetings of the District's legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code §§ 54950 – 54963) (the "Brown Act"), so that any member of the public may attend, participate, and watch the District's legislative bodies conduct their business; and

**WHEREAS**, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

**WHEREAS**, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

**WHEREAS**, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the District's boundaries, caused by natural, technological, or human-caused disasters; and

**WHEREAS**, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and



**WHEREAS**, the Board of Trustees previously adopted Resolution No. 2022-02 on February 8, 2022, finding that the requisite conditions exist for the legislative bodies of the District to conduct remote teleconference meetings without compliance with Government Code section 54953(b)(3); and

**WHEREAS**, as a condition of extending the use of the provisions found in Government Code section 54953(e), the Board of Trustees must reconsider the circumstances of the state of emergency that exists in the District, and the Board of Trustees has done so; and

**WHEREAS**, emergency conditions persist in the District, specifically, on March 4, 2020, the Governor of the State of California proclaimed a State of Emergency to exist in California as a result of the threat of COVID-19; despite sustained efforts, the virus continues to spread and is impacting nearly all sectors of California; the State of Emergency is still in effect; and

**WHEREAS**, on February 28, 2022, the California Department of Public Health website was updated and strongly recommends that all persons, regardless of vaccine status, continue indoor masking; and

**WHEREAS**, given the continued heightened risks of the predominant variant of COVID-19 in the community, holding meetings with all members of the legislative body, staff, and the public in attendance in person in a shared indoor meeting space would pose an unnecessary and immediate risk to the attendees; and

**WHEREAS**, the Board of Trustees does hereby find that the ongoing risk posed by the highly transmissible COVID-19 virus will continue to cause conditions of peril to the safety of persons within the District which are likely to be beyond the control of services, personnel, equipment, and facilities of the District, and the Board of Trustees desires to proclaim a local emergency and ratify the proclamation of a state of emergency by the Governor of the State of California; and

**WHEREAS**, as a consequence of the local emergency persisting, the Board of Trustees does hereby find that the legislative bodies of the District shall continue to conduct their meetings without compliance with Government Code section 54953(b)(3), as authorized by Government Code section 54953(e), and that such legislative bodies shall continue to comply with the requirements to provide the

public with access to the meetings as prescribed in Government Code section 54953(e)(2); and

**WHEREAS**, all meeting agendas stating meeting dates, times, and the manner in which the public may attend and offer public comment by call-in option or internet-based service option shall be posted, at a minimum, on the District's website, and at the District's main office.

**NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:**

**Section 1. Recitals.**

The recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

**Section 2. Affirmation that Local Emergency Persists.**

The Board of Trustees hereby considers the conditions of the state of emergency in the District and proclaims that a local emergency persists throughout the District, and the ongoing risk posed by the highly transmissible COVID-19 virus has caused, and will continue to cause, conditions of peril to the safety of persons within the District; furthermore, the guidance of Riverside County Public Health recommends physical distancing and face coverings.

**Section 3. Re-ratification of Governor's Proclamation of a State of Emergency.**

The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

**Section 4. Remote Teleconference Meetings.**

The President of the Board of Trustees, the District's General Manager, and legislative bodies of the District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

**Section 5. Effective Date.**

This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of (i) March 12, 2022 , or such time the Board of Trustees adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of the District may continue to teleconference without compliance with Government Code section 54953(b)(3).

**[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK.]**

**Section 6. Certification.**

The Clerk of the Board of Trustees shall certify as to the adoption of this Resolution and shall cause the same to be processed in the manner required by law.

PASSED, ADOPTED, AND APPROVED, this 8<sup>th</sup> day of March 2022, by the following vote:

AYES:

ABSENT:

ABSTAIN:

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**Benjamin Guitron, President  
Board of Trustees**

**ATTEST:**

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**Melissa Tallion, Clerk of the Board**

**APPROVED AS TO FORM:**

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**Lena D. Wade, General Counsel**

**REVIEWED:**

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**Jeremy Wittie, M.S., General Manager**

**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT**

**Board of Trustees Meeting Via Zoom**  
**DRAFT-Minutes**

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MEETING TIME: 6:00 p.m. Tuesday, February 8, 2022

LOCATION: 43420 Trader Place, Indio, CA 92201- **Via Zoom**

**TRUSTEES PRESENT**

VICE PRESIDENT: Doug Walker	Palm Desert
TREASURER: Clive Weightman	Indian Wells
Denise Delgado	Coachella
Gary Gardner	Desert Hot Springs
Dr. Doug Kunz	Palm Springs
Rita Lamb	Cathedral City
John Pena	La Quinta

**TRUSTEES ABSENT**

PRESIDENT: Benjamin Guitron	Indio
SECRETARY: Isaiah Hagerman	Rancho Mirage
Bito Larson	County at Large
Janell Percy	County at Large

**STAFF AND GENERAL COUNSEL PRESENT**

Jeremy Wittie, General Manager  
Lena Wade, Legal Counsel, SBEMP  
Crystal Moreno, Human Resources Manager  
David l'Anson, Administrative Finance Manager  
Jennifer Henke, Laboratory Manager  
Roberta (Bobbye) Dieckmann, Operations Manager  
Edward Prendez, Information Technology Manager  
Tammy Gordon, Public Information Officer  
Melissa Tallion, Executive Assistant/Clerk of the Board

*Other staff members joined the zoom meeting as well.*

**MEMBERS OF THE PUBLIC PRESENT**

Yes

- 1. Call to Order** – Vice President Weightman called the meeting to order at 6:02 p.m.

2. **Pledge of Allegiance** – *Trustee Clive Weightman led the Pledge of Allegiance*
3. **Roll Call** – *At roll call seven (7) Trustees out of eleven (11) were present.*
4. **Confirmation of Agenda** – *Vice President Weightman inquired if there were any agenda items to be shifted. It was noted that the agenda had a typo in the numbering. Number 11 was not on the agenda. Upon no objections by the Board of Trustees, the agenda was confirmed.*
5. **Public Comments** –*Mr. Anderson spoke on both agenda and non-agenda items. Mr. Anderson also submitted written statements. The written statements were distributed to the Board of Trustees and Legal Counsel.*

## 6. Board Reports

President's Report:

*Vice President Weightman stated that the Executive Committee held its meeting on January 27, 2022, reviewed the draft Board Agenda for February 2022, and the Committee revised it as needed. Vice President Weightman reviewed the District's Strategic Planning workshop that was held on February 3, 2022.*

Treasurer's Report:

*Treasurer Doug Walker reported that the Finance Committee had held its meeting prior to the Board meeting and had reviewed the draft agenda and the Committee revised it as needed. Treasurer Walker gave an overview of the General Fund Operational Cash Flow Chart noting that the District is running favorably.*

## 7. Staff Informational Reports

### A. Live Reports

- **General Manager's Report-Jeremy Wittie, M.S., General Manager**  
*Jeremy Wittie gave a brief overview of the District's financial status, shared an invitation to an upcoming SDARC meeting, and congratulated Charles Rodriguez for his AMCA award. Jeremy shared the FY 22-23 Budget deadline calendar.*
- **Public Outreach Department Introduction- Tammy Gordon, M.A., APR, Public Information Officer**  
*Tammy Gordon introduced her public outreach staff. Public Outreach has two (2) call center employees and two (2) Community Liaisons.*

## 8. Items of General Consent

The following items are routine in nature and may be approved by one blanket motion upon unanimous consent. The President or any member of the Board of Trustees may request an item be pulled from Items of General Consent for a separate discussion.

- A. Approval of Resolution 2022-03 Adopting Employee Pay Schedule, in conformance with California Code of Regulations, Title 2, Sections 570.5 and 571
- B. Minutes for January 11, 2022, Board Meeting
- C. Approval of expenditures for January 5, 2022-February 1, 2022, Minutes for January 11, 2022, Board Meeting
- D. Informational Items:
  - Financials – **David I’Anson, MPA, MBA/ACC., Administrative Finance Manager**
  - Board Business Log
  - Master Public Information Officer Program – **Tammy Gordon, M.A., APR, Public Information Officer**
  - California Public Information Officials Annual Conference – **Tammy Gordon, M.A., APR, Public Information Officer**
- E. Approval of Resolution 2022- 02 authorizing remote teleconferencing meetings for the period February 10, 2022 – March 11, 2022

*On a motion from Trustee Gardner, seconded by Trustee Pena, and passed by the following roll call votes, the Board of Trustees approved all Items of General Consent.*

*Ayes: Vice President Weightman; Trustees Delgado, Gardner, Kunz, Lamb, Pena, and Walker*

*Noes: None.*

*Abstained: None.*

*Absent: President Guitron, Trustees Hagerman, Larson, Percy*

## **9. Old Business – None**

## **10. New Business**

- A. Approval to upgrade the Laboratory HVAC system in an amount not to exceed \$75,000 from Fund 14- District Capital Improvement Fund - **Budgeted, funds available** – **David I’Anson, MPA, MBA/ACC., Administrative Finance Manager; Ad Hoc Land/Building Committee**

*On a motion from Trustee Kunz, seconded by Trustee Walker, and passed by the following roll call votes, the Board of Trustees approved the upgrade of the*

*Laboratory HVAC system in an amount not to exceed \$75,000 from Fund 14-District Capital Improvement Fund.*

*Ayes: Vice President Weightman; Trustees Delgado, Gardner, Kunz, Lamb, Pena, and Walker*

*Noes: None.*

*Abstained: None.*

*Absent: President Guitron, Trustees Hagerman, Larson, Percy*

- B. Approval for the upgrade and remodel of the Administration Building in an amount not to exceed \$80,000 from Fund 14- District Capital Improvement Fund - **Budgeted, funds available – Jeremy Wittie, M.S., General Manager; Ad Hoc Land/Building Committee**

*On a motion from Trustee Walker, seconded by Trustee Gardner, and passed by the following roll call votes, the Board of Trustees approved the upgrade and remodel of the Administration Building in an amount not to exceed \$80,000 from Fund 14-District Capital Improvement Fund.*

*Ayes: Vice President Weightman; Trustee Delgado, Gardner, Kunz, Lamb, Pena, and Walker*

*Noes: None.*

*Abstained: None.*

*Absent: President Guitron, Trustees Hagerman, Larson, Percy*

- C. Discussion regarding the District's standing and ad hoc Committees and the process to appoint members– **Executive Committee**  
*Jeremy and the Executive Committee reviewed the District's various standing and ad hoc Committees and gave a brief overview of the duties of each Committee. The Executive Committee is recommending that Melissa Tallion send out a survey to the Board to see any of the Trustees have interest in serving on a committee.*
- D. Discussion and or/approval to extend the contract for one year with Fedak & Brown, LLP., for auditing services – **David I'Anson, MPA, MBA/ACC., Administrative Finance Manager**



*On a motion from Trustee Gardner, seconded by Trustee Kunz, and passed by the following roll call votes, the Board of Trustees approved the to extend the contract for one year with Fedak & Brown, LLP., for auditing services.*

*Ayes: Vice President Weightman; Trustees Delgado, Gardner, Kunz, Lamb, Pena, and Walker*

*Noes: None.*

*Abstained: None.*

*Absent: President Guitron, Trustees Hagerman, Larson, Percy*

**11. Comments by General Counsel**

*Lena Wade, General Counsel had no comments.*

**12. Trustee Comments, Requests for Future Agendas Items, Travel, and/ or Staff Actions**

*No Comments*

**13. Adjournment-***Vice President Weightman adjourned the meeting at 7:11 p.m.*

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Benjamin Guitron  
President

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Isaiah Hagerman  
Secretary

## Melissa Tallion

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**From:** [REDACTED]  
**Sent:** Tuesday, February 8, 2022 6:14 PM  
**To:** Melissa Tallion; Edward Prendez  
**Subject:** Public Comments - CVMVCD Board of Trustees meeting of 2/8/2022

February 8, 2022

Coachella Valley Mosquito and Vector Control District (CVMVCD)  
43420 Trader Pl  
Indio, CA. 92201  
888.343.9399  
Attn: Clerk of the Board (Melissa Tallion)

Re: Written letter to be entered in to the Public record and made available to the general public for the scheduled CVMVCD board of trustees meeting of - February 8, 2022, Agenda Items listed below.  
(Submitted in accordance with California's AB361)

Dear CVMVCD appointed members,

Please review my written statements listed below prior to submitting comments or decisions of the topics addressed.

1) Agenda Item: 5-A (Non-Agenda Public comment)

This Board of Trustees should be well aware of the continued assault against free speech in regards to purposely designed limitations and arrangement of CVMVCD agenda Items to reduce and or eliminate Public testimony (participation) in CVMVCD precived open Public meetings.

The actions of this organization to refuse a submitted Public Record Request on potential falsehoods of not having "recorded" a required CVMVCD remotely performed California Open Public meeting (Zoom platformed) and other radical CVMVCD clerk of the board statements of not confirming what CVMVCD Board of Trustees were in attendance (remotely) of said Public meeting where No Public verbal roll-call was voiced as is best practices and required at other "normal" California Special District's and governmental agency meetings.  
It's crystal clear that the CVMVCD administration have been actively attempting to conceal it's actions of operations for yet to be completely disclosed pupose's.

2) Agenda Item: 8-B (General Consent - Minutes)

The Incomplete and puposely neglectful actions of the CVMVCD Clerk of the Board to not detail in writing any of the Public's comments (verbal testimony) of the speakers general description of topics spoken during CVMVCD Public meetings. Those unusual CVMVCD actions to censor free speech have potential legal aspects to both the Public speaker and the CVMVCD organization.  
Please refrain from continue discrimination and or reprisal actions against private Citizens for voicing their opinions.

3) Agenda Item: 8-E (Continued re-authorization of AB361)

It's concerning that the CVMVCD organization have been able to accomplish the potential fraudulent claims of disallowing the general Public (Benefit assessment taxpayer's) the right to witness the Coachella Valley Mosquito and Vector Control District appointed Trustees - In-person during CVMVCD Public meetings. The conditions to support the

narrative of Social Distancing by the CVMVCD administration have been corrupted by the inability to truly accommodate the Residents of the Coachella Valley by the CVMVCD General Manager (Jeremy Wittie).

It's been repeatedly demonstrated that AB361 has been misused to avoid In-person meetings for other reasons others than AB361 original purpose/mission.

Documentation will be detailed in future CVMVCD Public forums of potential illegal activities surrounding California AB361.

4) Agenda Item: 12 (Comments by general counsel)


The CVMVCD Board of Trustees meeting of February 8, 2022 had No details of an agenda Item illustrating a "Closed session" topic(s).

It's unclear of the CVMVCD Board of Trustees prior close session meetings in regards to the continued contracted service and performance review of the CVMVCD current Legal firm/counsel of:

SBEMP/Lena Wade  
1800 E. Tahquitz Canyon Way  
Palm Springs, CA.

Please consider allowing citizens of the Coachella Valley insight of companies that continue to retain employment with the CVMVCD and that have shown questionable conduct while employed by CVMVCD.

Sincerely,

Brad Anderson | 

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**Coachella Valley Mosquito and Vector Control District**

Checks Issued for the Period of:

February 2-March 3, 2022

Check No	Payable To	Description	Check Amount	Total Amount
	Payroll Disbursement	February 4, 2022	219,585.38	
	Payroll Disbursement	February 18, 2022	228,294.54	
				<b>447,879.92</b>
<b>Pre-Approved Expenditures Utilities/Benefits:</b>				
43890	CalPERS Healthcare Acct	Healthcare Retired/Active 03/2022	87,483.38	
43892	CalPERS Retirement Acct	Retirement Contributions: 02/04, 02/18PP	62,409.43	
43893	ICMA Retirement Trust	Deferred Compensation: 02/04, 02/18, 03/04PP	32,289.92	
				<b>182,182.73</b>
<b>Pre-Approved Expenditures less than \$10,000.00:</b>				
43851	Garcia Plumbing Co.	Repair & Maintenance	2,825.00	
43852	David Aaker	Professional Development	1,500.00	
43853	Abila	Cloud Computing Services	832.28	
43854	Advance Imaging Systems	Contract Services	265.99	
43855	Airgas USA, LLC	Dry Ice	266.76	
43856	Burrtec Waste Industries	Waste Disposal	191.01	
43858	Cintas Corporation #3	Safety Expense	4,683.42	
43859	CleanExcel	Janitorial Services	6,751.00	
43860	C&R Wellness Works	Employee Assistance Services	306.00	
43861	CSI Ceja Security International	Security Patrol Services	1,075.00	
43862	Daniel's Tire Service	Tire Disposal Fee	2,230.38	
43863	Desert Air Conditioning	Repair & Maintenance	270.00	
43864	Desert Alarm, Inc.	Repair & Maintenance	1,771.31	
43865	Employee Relations Inc.	Recruitment/Advertising	497.05	
43866	Equipment Direct, Inc.	Safety Expense	123.91	
43867	Fedak & Brown, LLP	Professional Services	620.00	
43868	Ferguson Enterprises	Repair & Maintenance	227.38	
43869	Garcia Plumbing Co.	Repair & Maintenance	645.00	
43870	Hypertec USA Inc	Cloud Computing Services	24.23	
43872	Indio Emergency Medical Group	Physician Fees	220.00	
43873	Jernigan's Sporting Goods, Inc.	Safety Expense	369.74	
43874	Linde Gas & Equipment Inc.	Cylinder Rentals	406.22	
43875	Marlin Business Bank	Contract Services	705.79	
43876	Crystal Moreno	Tuition Reimbursement	2,236.00	
43877	NAPA Auto & Truck Parts	Equipment Parts & Supplies	769.94	
43878	One-PS	Promotion & Education	35.00	
43879	Pitney Bowes Global Financial Svcs	Contract Services	310.82	
43880	Puretec Industrial Water	Equipment Parts & Supplies	324.98	
43881	Seton Identification Products	Repair & Maintenance	423.61	
43882	Slovak Baron Empey Murphey & Pinkney LLP	Attorney Fees	8,483.75	
43883	SC Commercial LLC dba SC Fuels	Motor,Fuel, Oil	6,418.05	
43884	Veolia ES Technical Solutions, LLC	Operating Supplies	107.82	
43886	Total Compensation Systems, Inc.	Professional Fees	1,800.00	
43888	Waterlogic Americas LLC	Employee Support	106.57	
43889	Waxie Sanitary Supply	Maintenance Supplies	289.64	
				<b>48,113.65</b>
<b>Cash - California Bank &amp; Trust Checking</b>				
<b>Cash - California Bank &amp; Trust Checking</b>				
43850	ES Opco USA LLC dba Vesperis	Control Products	14,746.50	
43871	Icahn School of Medicine at Mount Sinai	Research Project	44,772.50	
43885	Three Peaks Corp	Repair & Maintenance	60,698.16	
43887	USDA Agricultural Research Service	Research Project	16,657.00	
43891	U.S. Bank	Calcard Payment For February Statement	39,016.05	
				<b>175,890.21</b>
<b>Cash - California Bank &amp; Trust Check Run Total to be Approved</b>				
<b>Total Expenditures: February 2 - March 3, 2022</b>				<b>854,066.51</b>

Benjamin Guitron IV, President

Douglas Walker, Treasurer

# MOSQUITO AWARENESS WEEK PROCLAMATION

APRIL 17-23, 2022

**WHEREAS**, the Coachella Valley Mosquito and Vector Control District's ("District") mission is to reduce the risk of disease transmission by mosquitoes and other vectors to protect Coachella Valley residents and visitors; and

The District recognizes that West Nile and St. Louis encephalitis viruses can lead to serious mosquito-borne diseases that can result in debilitating meningitis, encephalitis, or death to people and other wildlife; and

An invasive mosquito species, *Aedes aegypti*, which is capable of transmitting deadly viruses to people has been detected in all Coachella Valley cities and is spreading throughout California; and

A safe and environmentally sound procedure needs to be used in the control of mosquitoes; and

Educational programs have been developed to help the public understand how to protect themselves from mosquito-borne threats by staying indoors when mosquitoes are most active, wearing pants and long-sleeved shirts, using repellents containing EPA-registered active ingredients; and

Educational opportunities to help the Coachella Valley participate in source reduction in their yards have been promoted including removing water-holding containers as small as one tablespoon of water, cleaning fountains and pet dishes regularly, reducing urban drool, and maintaining working pool or pond pumps; and

In the past year, educational programs have necessarily been redesigned to compete in a virtual-only presentation realm; and

Adequately funded mosquito and vector control, disease surveillance, and public awareness programs are the best way to prevent outbreaks of mosquito-borne diseases; and

**NOW, THEREFORE**, the Board of Trustees of the Coachella Valley Mosquito and Vector Control District does hereby proclaim the week of April 17-23, 2022, as

**Mosquito Awareness Week 2022**

Dated this 8<sup>th</sup> day of March 2022

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**Benjamin Guitron IV, President Board of Trustees**



**Coachella Valley Mosquito and  
Vector Control District**

**March 8, 2022**

**Staff Report**

**Agenda Item:** Consent Calendar

Annual Statement of Economic Interests/Form 700 Annual Filing for the filing period of 2021/2022– **Melissa Tallion, Clerk of the Board**

**Background:**

The Political Reform Act of 1974 requires that any position designated in an agency's Conflict of Interest Code must file an annual Statement of Economic Interests (Form 700). All individuals listed in positions in our District's Conflict of Interest Code are required to file a Form 700 with the County of Riverside.

As the filing official for our District, I am responsible for distributing the attached Form 700 to each designated filer and filing them with the County Clerk.

Please submit your completed Form 700 and schedules (if applicable) to me by **2 p.m. on Friday, March 18, 2022.**

You may complete/send the form (s) electronically to me, but I must receive your *original signature* on the paper form (Statement of Economic Interests Cover Page). If you will be mailing your form/paperwork to me, please allow sufficient time for mailing.

If you already file a Form 700 with another agency, city, and/or organization, you can submit copies of the paperwork that accompany the Form 700 Cover Page, but I still need a mailed, *original signature* on the Form 700 Cover Page.

Instructions are included with the form, but if you need more assistance in completing it, help is available on the Fair Political Practices Commission website [www.fppc.ca.gov](http://www.fppc.ca.gov) or by calling the toll-free helpline 1-866-ASK-FPPC.

**The period covered by this annual statement is from January 1, 2021, through December 31, 2021.**

Please contact me with any questions you may have.



**Coachella Valley Mosquito and  
Vector Control District**

**March 8, 2022**

**Staff Report**

**Agenda Item:** Consent Item

Approval to renew the contract with CleanExcel for cleaning services for the District headquarters in an amount not to exceed \$3,811.00 per month from fund 7675.01.305.000 – Contract Services, **Budgeted; funds available** – **David l’Anson, MPA, MBA/ACC., Administrative Finance Manager**

**Background:**

The District uses an outside contractor for facility cleaning services. The District has contracted with CleanExcel since 2010, their service has been satisfactory and they have met all expectations. In 2019 the District sought proposals for cleaning services and CleanExcel was the lowest responsible bidder. District staff would like to renew the agreement for an additional term of one year under the same terms and compensation as the original agreement. CleanExcel also performs disinfecting services at the District outside of this agreement on a month-to-month basis.

**Staff Recommendation:**

Staff recommends renewing the contract for one year.

**Fiscal Impact:**

FY2021-22 Budget GL # 7675.01.305.000 Contract Services	Current Available Funds	Proposed Expense Fiscal Year 2021/22	Remaining Available Funds
<b>Amount budgeted \$60,400</b>	<b>\$22,064</b>	<b>\$15,244</b>	<b>\$6,820</b>



**Coachella Valley Mosquito and  
Vector Control District**

**March 8, 2022**

**Staff Report**

**Agenda Item:** Consent Calendar

Approval to renew the annual agreement with Salton Sea Aerial Services, Inc. to conduct both aerial adulticiding and larviciding aerial applications; **Budgeted; Funds Available** – **Roberta Dieckmann, Operations Manager**

**Background:**

Currently, the District has an aerial applications contract with Salton Sea Aerial Service, Inc. to conduct adulticide or larvicide applications. The District guarantees the contractor a minimum of 14 hours of work per year to ensure standby availability. In the proposed current renewal, there will be adjustments to the hourly rates, as outlined below:

Old rates

- \$2,050 per hour for aerial applications made day or night. This rate is an all-inclusive rate which includes but it is not limited to costs associated with third-party labor, water truck, and specialized equipment rentals.

New rate

- \$2,350 per hour for aerial applications made day or night. This rate is an all-inclusive rate which includes but it is not limited to costs associated with third-party labor, water truck, and specialized equipment rentals. There is a minimum of fourteen (14) aerial hours per year, for the services rendered by Service Provider pursuant to this Agreement.

The minimum expense is \$32,900 (14 hours) annual budget for aerial services is \$209,213. The expense for aerial services depend on mosquito seasonal needs, expense can range from \$32,900 to \$209,213. The contract is on annual basis and overlaps two fiscal years. For the current fiscal year, the budget balance is \$68,476.

**Needs Assessment:**

The application of control products by air in inaccessible areas such as the Salton Sea marsh habitats and where large applications are required, as in duck club habitats and the wetland marshes are often applied by helicopter rather than truck-mounted equipment because of



accessibility and time-saving benefits. The need for this approach to mosquito treatments will continue in the future. In addition, helicopter service provided by Salton Sea Air Service, Inc. can also apply larvicide and adulticide products to all urban areas of the Coachella valley, if it becomes necessary based on arbovirus indicators and for the control of urban mosquito vectors.

**Staff Recommendation:**

Staff recommends renewing the agreement with Salton Sea Aerial Services, Inc. for one-year minimum expense is \$32,900 (14 hours).

**Fiscal Impact:**

FY2021-22 Budget GL 7850.01.500.000- Aerial Applications	Current Available Funds	Proposed Expense Remainder Fiscal Year 2021/22	Remaining Available Funds
<b>\$209,213</b>	<b>\$68,476</b>	<b>\$32,900 up to \$68,476</b>	<b>\$0</b>



# **FINANCE REPORTS**

Coachella Valley Mosquito and Vector Control District  
**FINANCES AT A GLANCE**  
**ALL FUNDS COMBINED**  
For the Month Ended February 28, 2022

	Beginning of the Month	Change During the Month	End of the Month
INVESTMENTS	13,301,838	286,776	13,588,613
CASH	(48,234)	181,655	133,421
INVESTMENTS & CASH	13,253,604	468,431	13,722,034
CURRENT ASSETS	2,982,726	(1,185,943)	1,796,783
FIXED ASSETS	9,632,595	-	9,632,595
OTHER ASSETS	4,995,513	-	4,995,513
TOTAL ASSETS	30,864,438	(717,512)	30,146,926
TOTAL LIABILITIES	5,729,589	(276,291)	5,453,298
TOTAL DISTRICT EQUITY	25,134,849	(441,221)	24,693,628
TOTAL LIABILITIES & EQUITY	30,864,438	(717,512)	30,146,926
RECEIPTS			
		\$ 1,258,892	
CASH DISBURSEMENTS			
Payroll	\$ 447,880		
General Admin	\$ 342,582		
Total Cash Disbursements		\$ (790,462)	
NON-CASH ENTRIES:			
Accrual Modifications -		\$ (1,185,943)	
Changes in A/P, A/R & Pre-paid insurance		_____	
Change during Month - Excess of Cash over Receipts & Non-Cash Adjustments		\$ (717,512)	

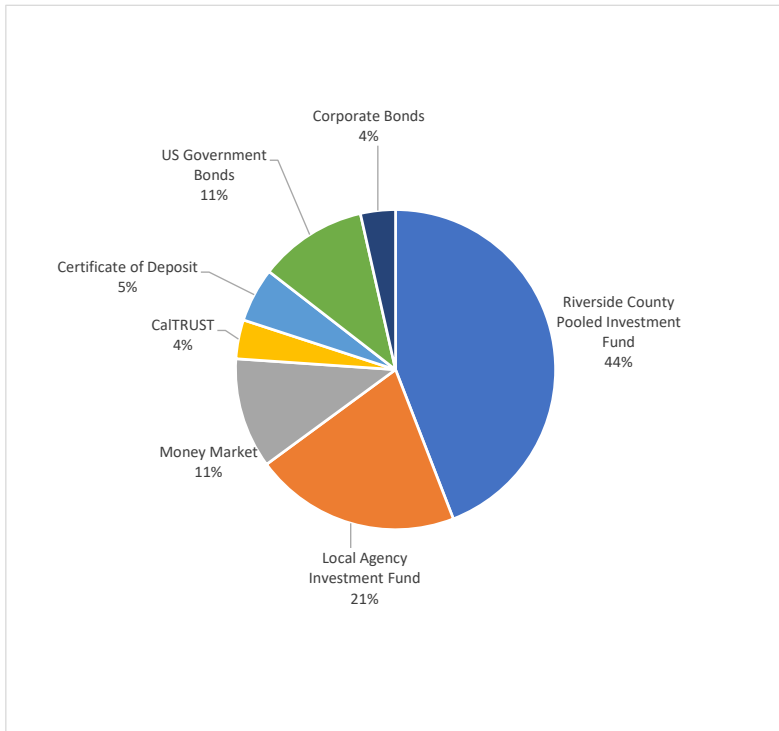
**CVMVCD**  
Cash Journal - deposits  
From 2/1/2022 Through 2/28/2022

Effective ...	Transaction Description	Deposits	Payee/Recipient Name
2/1/2022	Benefit Assessment	1,136,175.37	Riverside County
2/1/2022	February Receipts	26.95	
2/28/2022	February Receipts	24.22	California Bank & Trust
2/28/2022	February Receipts	703.08	Riverside County
2/28/2022	February Receipts - PY Supp	52,055.46	Riverside County
2/28/2022	February Receipts - SBE CS1	<u>69,907.31</u>	Riverside County
Report Total		<u><u>1,258,892.39</u></u>	

**COACHELLA VALLEY MOSQUITO AND VECTOR CONTROL DISTRICT  
INVESTMENT FUND BALANCES AS OF FEBRUARY 28, 2022**

INSTITUTION	IDENTIFICATION	Issue Date	Maturity Date	YIELD	General Fund	Thermal Capital Fund	Capital Equipment Replacement Fund	Capital Facility Replacement Fund	BALANCE
LAIF	Common Investments			0.28%	2,595,170	20,323	17,177	194,408	\$ 2,827,078
Riverside County	Funds 51105 & 51115			0.33%	5,503,219	43,096	36,425	412,255	\$ 5,994,995
CalTRUST	Medium Term Fund			0.21%	491,086	3,846	3,250	36,788	\$ 534,970
CA Bank & Trust	Market Rate			0.02%	1,378,502	10,795	9,124	103,266	\$ 1,501,687
Pershing	Market Rate			0.00%	13,989	110	93	1,048	\$ 15,240
BMW Bank	Certificate of Deposit	11/20/2020	11/20/2025	0.50%			59,440	188,226	\$ 247,665
State BK of India	Certificate of Deposit	11/23/2020	11/24/2025	0.55%			59,557	188,597	\$ 248,153
Goldman Sachs	Certificate of Deposit	9/21/2021	9/22/2026	1.05%		37,736	50,474	159,833	\$ 248,043
Federal Home Ln	US Government Bonds	11/24/2020	11/24/2025	0.63%			179,402	568,108	\$ 747,510
Federal Natl Mtg Assn	US Government Bonds	11/25/2020	11/25/2025	0.63%			178,461	565,127	\$ 743,588
Bank Amer Corp	Corporate Bonds	11/25/2020	11/25/2025	0.65%			115,124	364,561	\$ 479,685
<b>Total Investments</b>					9,981,965	115,906	708,528	2,782,215	<b>\$ 13,588,613</b>

**PORTFOLIO COMPOSITION AS OF FEBRUARY 28, 2022  
WEIGHTED YIELD 0.34%**



In compliance with the California Code Section 53646; the Finance Administrator of the Coachella Valley Mosquito and Vector Control District hereby certifies that sufficient liquidity and anticipated revenue are available to meet the District's budgeted expenditure requirements for the next six months.

Investments in the report meet the requirements of the Coachella Valley Mosquito and Vector Control District's adopted investment policy

Respectfully submitted

NOTED AND APPROVED

CVMVCD  
Statement of Revenue and Expenditures  
February 28, 2022

		Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
<b>Revenues</b>										
4000	Property Tax - Current	4,121,655	2,143,140	<b>2,346,600</b>	203,460	0	<b>70,610</b>	70,610	(1,775,055)	(43)%
4010	Property Tax - Curr. Su	30,561	0	<b>0</b>	0	0	<b>0</b>	0	(30,561)	(100)%
4020	Property Tax - Curr. Un	170,821	165,780	<b>171,136</b>	5,355	0	<b>0</b>	0	315	0 %
4030	Homeowners Tax Relie	36,430	18,215	<b>18,839</b>	624	0	<b>0</b>	0	(17,591)	(48)%
4070	Property Tax - Prior Suj	23,736	0	<b>52,055</b>	52,055	0	<b>52,055</b>	52,055	28,319	119 %
4080	Property Tax - Prior Un	9,069	0	<b>0</b>	0	0	<b>0</b>	0	(9,069)	(100)%
4090	Redevelopment Pass-TI	5,406,064	2,703,032	<b>3,002,448</b>	299,416	0	<b>0</b>	0	(2,403,616)	(44)%
4520	Interest Income - LAIF,	42,000	21,000	<b>15,696</b>	(5,304)	0	<b>24</b>	24	(26,304)	(63)%
4530	Other Miscellaneous Re	63,000	42,000	<b>24,480</b>	(17,520)	5,250	<b>2,007</b>	(3,243)	(38,520)	(61)%
4551	Benefit Assessment Inc	2,299,810	1,228,967	<b>1,265,864</b>	36,897	0	<b>0</b>	0	(1,033,946)	(45)%
	Total Revenues	12,203,146	6,322,134	<b>6,897,117</b>	574,983	5,250	<b>124,697</b>	119,447	(5,306,029)	(43)%

**Expenditures**

**Payroll Expenses**

5101	Payroll - FT	5,373,288	3,537,075	<b>3,297,930</b>	239,144	459,060	<b>219,046</b>	240,014	2,075,357	39 %
5102	Payroll Seasonal	203,400	135,600	<b>183,205</b>	(47,605)	16,950	<b>5,297</b>	11,653	20,195	10 %
5103	Temporary Services	6,900	6,900	<b>0</b>	6,900	0	<b>0</b>	0	6,900	100 %
5105	Payroll - Overtime Expe	45,120	30,080	<b>2,971</b>	27,109	3,760	<b>0</b>	3,760	42,149	93 %
5150	CalPERS State Retireme	1,873,120	1,699,775	<b>1,604,483</b>	95,293	43,337	<b>59,716</b>	(16,380)	268,638	14 %
5155	Social Security Expense	331,680	218,414	<b>217,119</b>	1,295	28,317	<b>14,307</b>	14,010	114,561	35 %
5165	Medicare Expense	77,570	51,081	<b>51,947</b>	(867)	6,623	<b>3,346</b>	3,276	25,623	33 %
5170	Cafeteria Plan	1,141,827	749,860	<b>814,187</b>	(64,327)	97,993	<b>82,948</b>	15,045	327,640	29 %
5172	Retiree Healthcare	372,588	248,392	<b>262,525</b>	(14,133)	31,049	<b>32,262</b>	(1,213)	110,063	30 %
5180	Deferred Compensator	108,010	71,590	<b>54,748</b>	16,842	9,105	<b>(6,521)</b>	15,627	53,262	49 %
5195	Unemployment Insuran	34,236	22,316	<b>30,497</b>	(8,182)	2,980	<b>957</b>	2,023	3,739	11 %
	Total Payroll Expenses	9,567,740	6,771,082	<b>6,519,612</b>	251,470	699,174	<b>411,358</b>	287,815	3,048,127	32 %

CVMVCD  
Statement of Revenue and Expenditures  
February 28, 2022

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
<b>Administrative Expenses</b>									
5250	Tuition Reimbursement	20,000	13,333	<b>2,716</b>	10,617	1,667	<b>0</b>	1,667	17,284 86 %
5300	Employee Incentive	15,500	10,333	<b>4,402</b>	5,932	1,292	<b>0</b>	1,292	11,098 72 %
5301	Employee Support	0	0	<b>746</b>	(746)	0	<b>0</b>	0	(746) 0 %
5302	Wellness	5,600	3,733	<b>570</b>	3,163	467	<b>0</b>	467	5,030 90 %
5305	Employee Assistance Pr	3,200	2,133	<b>2,232</b>	(99)	267	<b>306</b>	(39)	968 30 %
6000	Property & Liability Inst	156,406	97,604	<b>117,855</b>	(20,251)	14,701	<b>17,526</b>	(2,825)	38,551 25 %
6001	Workers' Compensator	181,607	96,071	<b>26,797</b>	69,274	21,384	<b>21,345</b>	39	154,810 85 %
6050	Dues & Memberships	42,816	30,743	<b>29,943</b>	800	2,654	<b>0</b>	2,654	12,873 30 %
6060	Reproduction & Printing	7,950	6,967	<b>2,659</b>	4,308	246	<b>112</b>	134	5,291 67 %
6065	Recruitment/Advertisin	7,500	5,000	<b>3,507</b>	1,493	625	<b>464</b>	161	3,993 53 %
6070	Office Supplies	17,111	11,407	<b>5,973</b>	5,435	1,426	<b>108</b>	1,318	11,138 65 %
6075	Postage	5,750	3,833	<b>440</b>	3,393	479	<b>0</b>	479	5,310 92 %
6080	Computer & Network S	8,199	5,466	<b>3,529</b>	1,937	683	<b>0</b>	683	4,670 57 %
6085	Bank Service Charges	200	133	<b>(25)</b>	158	17	<b>0</b>	17	225 112 %
6090	Local Agency Formatior	2,400	2,400	<b>2,243</b>	157	0	<b>0</b>	0	157 7 %
6095	Professional Fees	192,000	140,000	<b>101,007</b>	38,993	6,750	<b>4,548</b>	2,202	90,993 47 %
6100	Attorney Fees	68,000	45,333	<b>36,222</b>	9,112	5,667	<b>8,484</b>	(2,817)	31,778 47 %
6105	Legal Services / Filing F	1,000	667	<b>0</b>	667	83	<b>0</b>	83	1,000 100 %
6106	HR Risk Management	6,000	4,000	<b>1,500</b>	2,500	500	<b>0</b>	500	4,500 75 %
6110	Conference Expense	44,400	35,467	<b>11,204</b>	24,262	10,983	<b>0</b>	10,983	33,196 75 %
6115	In-Lieu	13,200	8,800	<b>8,200</b>	600	1,100	<b>1,100</b>	0	5,000 38 %
6120	Trustee Support	7,600	5,067	<b>694</b>	4,373	633	<b>0</b>	633	6,906 91 %
6200	Meetings Expense	4,890	3,260	<b>770</b>	2,490	408	<b>0</b>	408	4,120 84 %
6210	Promotion & Education	5,000	5,000	<b>1,942</b>	3,058	0	<b>35</b>	(35)	3,058 61 %
6220	Public Outreach Adverti	46,000	46,000	<b>18,695</b>	27,305	0	<b>0</b>	0	27,305 59 %
6500	Benefit Assessment Exp	86,000	86,000	<b>143,466</b>	(57,466)	0	<b>0</b>	0	(57,466) (67)%
<b>Total Administrative Expenses</b>		<b>948,329</b>	<b>668,751</b>	<b>527,288</b>	<b>141,464</b>	<b>72,030</b>	<b>54,028</b>	<b>18,002</b>	<b>421,041 44 %</b>
<b>Utilities</b>									
640	Utilities	106,000	70,667	<b>77,700</b>	(7,033)	8,833	<b>0</b>	8,833	28,300 27 %
641	Telecommunications	1,824	1,216	<b>1,200</b>	16	152	<b>0</b>	152	624 34 %
<b>Total Utilities</b>		<b>107,824</b>	<b>71,883</b>	<b>78,900</b>	<b>(7,017)</b>	<b>8,985</b>	<b>0</b>	<b>8,985</b>	<b>28,924 27 %</b>

CVMVCD  
Statement of Revenue and Expenditures  
February 28, 2022

	Annual Budget	YTD Budget	YTD Actual	YTD Budget Variance	Current Period Budget	Current Period Actual	Current Period Variance	Annual Budget Variance	Percent Annual Budget
<b>Operating</b>									
7000 Uniform Expense	44,727	29,973	31,705	(1,732)	3,609	4,569	(961)	13,022	29 %
7050 Safety Expense	32,375	21,700	14,199	7,501	2,844	776	2,068	18,176	56 %
7100 Physican Fees	5,000	3,333	2,315	1,018	417	220	197	2,685	54 %
7150 IT Communications	56,860	37,907	28,730	9,176	4,738	0	4,738	28,130	49 %
7200 Household Supplies	3,000	2,000	2,176	(176)	250	0	250	824	27 %
7300 Repair & Maintenance	42,000	28,000	36,220	(8,220)	3,500	3,667	(167)	5,780	14 %
7310 Maintenance & Calibrat	6,170	6,170	44	6,126	6,170	0	6,170	6,126	99 %
7350 Permits, Licenses & Fee	8,273	6,571	7,438	(868)	1,626	240	1,386	835	10 %
7360 Software Licensing	22,305	2,255	0	2,255	0	0	0	22,305	100 %
7400 Vehicle Parts & Supplie	44,720	29,813	26,679	3,135	3,727	2,612	1,115	18,041	40 %
7420 Offsite Vehicle Maint &	17,343	11,562	2,457	9,105	1,445	0	1,445	14,886	86 %
7450 Equipment Parts & Sup	28,620	20,670	10,334	10,336	1,750	880	870	18,286	64 %
7500 Small Tools Furniture &	4,400	2,933	884	2,049	367	0	367	3,516	80 %
7550 Lab Supplies & Expense	36,700	23,867	11,073	12,794	2,358	375	1,984	25,627	70 %
7570 Aerial Pool Surveillance	26,000	0	0	0	0	0	0	26,000	100 %
7575 Surveillance	60,360	51,723	53,831	(2,107)	14,759	0	14,759	6,529	11 %
7600 Staff Training	85,824	53,283	22,888	30,394	6,385	1,500	4,885	62,936	73 %
7650 Equipment Rental	1,000	667	219	448	83	0	83	781	78 %
7675 Contract Services	109,720	71,077	78,035	(6,958)	7,938	8,888	(950)	31,685	29 %
7680 Cloud Computing Servir	101,370	47,996	33,563	14,433	1,334	2,307	(973)	67,807	67 %
7700 Motor Fuel & Oils	80,000	53,333	71,326	(17,993)	6,667	6,418	249	8,674	11 %
7750 Field Supplies	14,600	9,733	3,317	6,416	1,217	0	1,217	11,283	77 %
7800 Control Products	711,280	598,240	409,214	189,026	21,887	0	21,887	302,066	42 %
7850 Aerial Applications	209,213	139,475	112,137	27,338	17,434	0	17,434	97,076	46 %
7860 Unmanned Aircraft App	40,000	26,667	10,110	16,557	3,333	10,110	(6,776)	29,890	75 %
8415 Capital Outlay	46,343	35,495	25,487	10,008	2,712	0	2,712	20,856	45 %
8510 Research Projects	182,093	140,213	110,027	30,186	10,473	56,199	(45,726)	72,066	40 %
9000 Contingency Expense	109,750	73,167	0	73,167	9,146	0	9,146	109,750	100 %
<b>Total Operating</b>	<b>2,130,046</b>	<b>1,527,823</b>	<b>1,104,410</b>	<b>423,413</b>	<b>136,169</b>	<b>98,760</b>	<b>37,409</b>	<b>1,025,636</b>	<b>48 %</b>
<b>Contribution to Capital Reserves</b>									
890 Transfer to other funds	481,300	320,867	320,867	0	40,108	40,108	0	160,433	33 %
<b>Total Contribution to Capital Reserves</b>	<b>481,300</b>	<b>320,867</b>	<b>320,867</b>	<b>0</b>	<b>40,108</b>	<b>40,108</b>	<b>0</b>	<b>160,433</b>	<b>33 %</b>
<b>Total Expenditures</b>	<b>13,235,239</b>	<b>9,360,406</b>	<b>8,551,076</b>	<b>809,330</b>	<b>956,467</b>	<b>604,256</b>	<b>352,211</b>	<b>4,684,162</b>	<b>35 %</b>
<b>Net revenue over/(under) expenditures</b>	<b>(1,032,093)</b>	<b>(3,038,272)</b>	<b>(1,653,959)</b>	<b>1,384,313</b>	<b>(951,217)</b>	<b>(479,558)</b>			



CVMVCD  
Balance Sheet  
As of 2/28/2022

		Current Year
Assets		
Cash and Investments		
1000	Cash - Investments	13,588,613.42
1012	Cash - Clearing Account	150.00
1016	Petty Cash	500.00
1017	Petty Cash Checking	1,500.00
1035	CB&T General Checking	2,960.55
1036	CB&T Payroll Checking	128,310.38
	Total Cash and Investments	13,722,034.35
Current Assets		
1050	Accounts Receivable	1,980.00
1080	Interest Receivable	2,200.63
1085	Inventory	633,981.76
1167	Prepaid Research Proposals	114,267.08
1168	Prepaid Insurance	159,491.87
1169	Deposits	884,862.00
	Total Current Assets	1,796,783.34
Fixed Assets		
1170	Construction in Progress	4,925.00
1300	Equipment/Vehicles	2,055,955.14
1310	Computer Equipment	488,713.68
1311	GIS Computer Systems	301,597.91
1320	Office Furniture & Equipment	1,300,099.10
1330	Land	417,873.30
1335	Oleander Building	5,665,861.83
1336	Signage	23,651.39
1340	Structures & Improvements	3,026,125.52
1341	Bio Control Building	6,849,603.74
1342	Bio Control Equip/Furn	43,986.77
1399	Accumulated Depreciation	(10,545,798.38)
	Total Fixed Assets	9,632,595.00

CVMVCD  
Balance Sheet  
As of 2/28/2022

		Current Year
Other Assets		
1520	Resources to Be Provided	3,514,102.32
1525	Deferred Outflows of Resources	1,068,928.00
1530	Deferred Outflows of Resources - OPEB	412,483.00
1900	Due to/from	0.12
	Total Other Assets	4,995,513.44
	Total Assets	30,146,926.13
Liabilities		
Short-term Liabilities		
Accounts Payable		
2015	Credit Card Payable	(7,525.00)
2020	Accounts Payable	398,196.42
2030	Accrued Payroll	0.03
2040	Payroll Taxes Payable	84.54
2175	Claims/Judgements Payable	(426.30)
2185	Employee Dues	426.30
	Total Accounts Payable	390,755.99
	Total Short-term Liabilities	390,755.99
Long-term Liabilities		
2100	Pollution Remediation Obligation	2,100,000.00
2200	Net Pension Liability	1,612,919.00
2210	Deferred Inflows of Resources	85,158.00
2230	Deferred Inflows - OPEB	16,118.00
2300	Net OPEB Liability	453,746.00
2500	Compensated Absences Payable	794,601.32
	Total Long-term Liabilities	5,062,542.32
	Total Liabilities	5,453,298.31
Fund Balance		
	Non Spendable Fund Balance	

CVMVCD  
Balance Sheet  
As of 2/28/2022

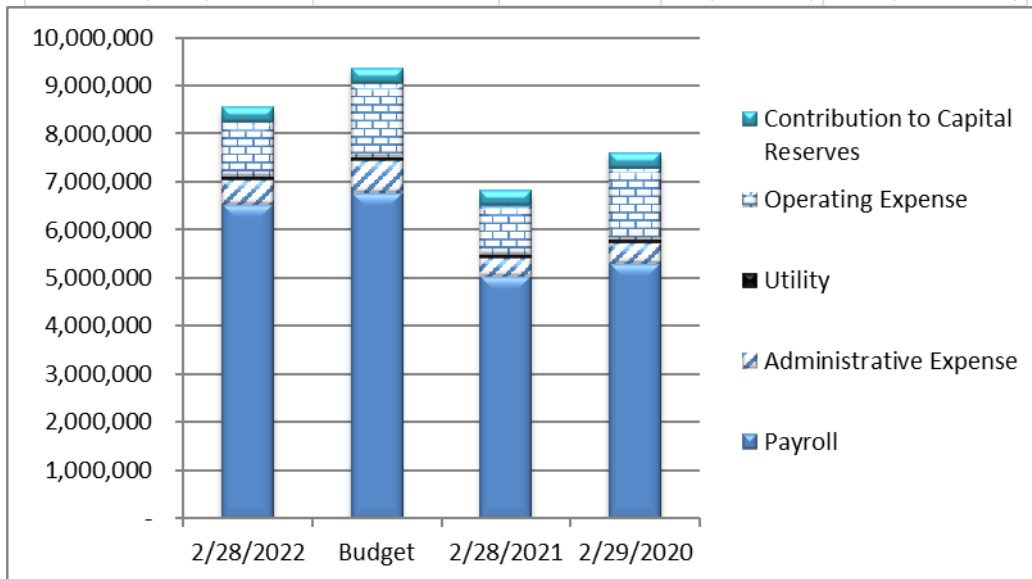
		Current Year
3920	Investment in Fixed Assets	10,698,793.35
3945	Reserve for Prepaids & Deposit	1,041,259.68
3960	Reserve for Inventory	459,270.86
	Total Non Spendable Fund Balance	12,199,323.89
	Committed Fund Balance	
3965	Public Health Emergency	4,851,276.00
	Total Committed Fund Balance	4,851,276.00
	Assigned Fund Balance	
3910	Reserve for Operations	5,800,000.00
3925	Reserve for Future Healthcare Liabilities	453,746.00
3955	Thermal Remediation Fund	63,688.00
3970	Reserve for Equipment	726,018.00
3971	Reserve for Facility & Vehicle Replacement	2,659,312.00
	Total Assigned Fund Balance	9,702,764.00
	Unassigned Fund Balance	
3900	Fund Equity	(568,650.76)
	Total Unassigned Fund Balance	(568,650.76)
	Current YTD Net Income	(1,491,085.31)
	Total Current YTD Net Income	(1,491,085.31)
	Total Fund Balance	24,693,627.82
	Total Liabilities and Net Assets	30,146,926.13

## FINANCE

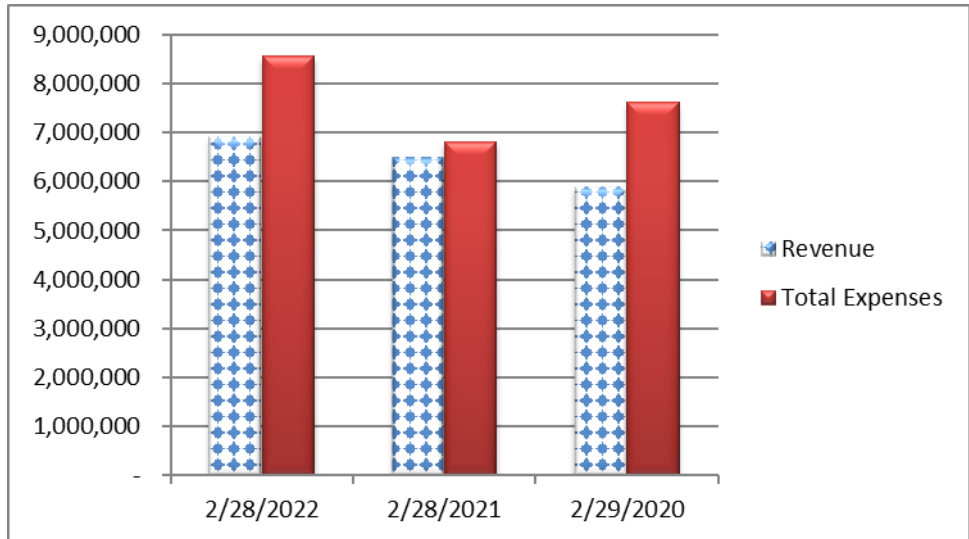
The financial reports show the preliminary balance sheet, receipts, and revenue and expenditure reports for the month ending February 28, 2022. The revenue and expenditure report shows that the operating budget expenditure for July 1, 2021, to February 28, 2022, is \$8,551,077; total revenue is \$6,897,117 resulting in excess revenue over (under) expenditure for the year to February 28, 2022, of (\$1,653,960).

### THREE YEAR FINANCIALS

	Actual	Budget	Actual	Actual
	2/28/2022	Budget	2/28/2021	2/29/2020
<b>Revenue</b>	<b>6,897,117</b>	<b>6,322,134</b>	<b>6,488,635</b>	<b>5,871,504</b>
Expenses				
Payroll	6,519,612	6,771,082	5,024,151	5,296,096
Administrative Expe	527,288	668,751	387,344	424,482
Utility	78,900	71,883	70,240	98,259
Operating Expense	1,104,410	1,527,823	1,014,343	1,453,614
Contribution to Capital	320,867	320,867	315,654	335,698
<b>Total Expenses</b>	<b>8,551,077</b>	<b>9,360,406</b>	<b>6,811,732</b>	<b>7,608,149</b>
<b>Profit (Loss)</b>	<b>(1,653,960)</b>	<b>(3,038,272)</b>	<b>(323,097)</b>	<b>(1,736,645)</b>



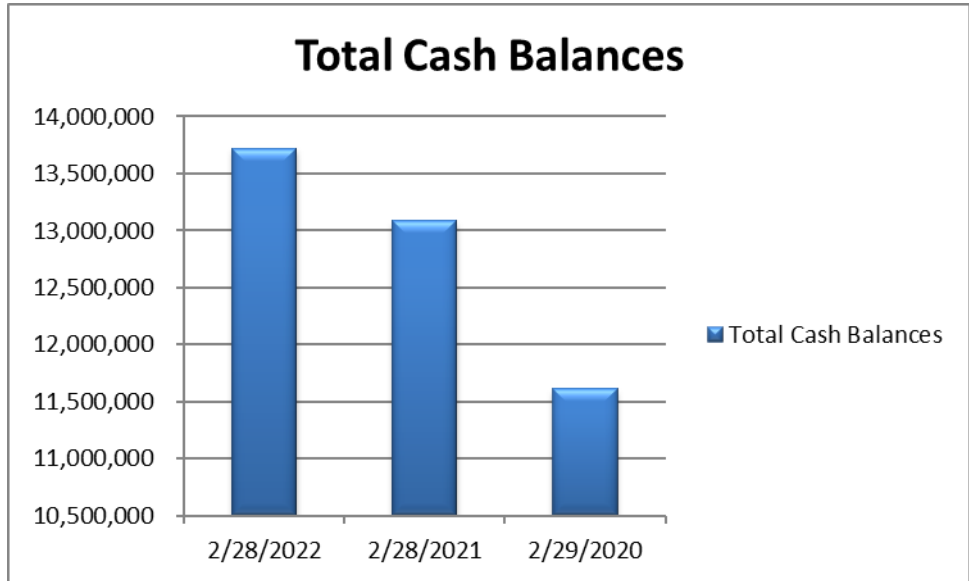
**Figure 1 - Three Year Expenditure**



**Figure 2 - Three Year Revenue & Expenditure**

**THREE YEAR CASH BALANCE**

Cash Balances	2/28/2022	2/28/2021	2/29/2020
Investment Balance	13,588,613	12,977,051	11,329,664
Checking Accounting	3,111	5,662	28,334
Payroll Account	128,310	99,401	252,945
Petty Cash	2,000	2,000	2,000
<b>Total Cash Balances</b>	<b>13,722,034</b>	<b>13,084,115</b>	<b>11,612,943</b>



**Figure 3 - Cash Balances**

**DISTRICT INVESTMENT PORTFOLIO 2/28/2022**

The District's investment fund balance for the period ending February 28, 2022 is \$13,588,613. The portfolio composition is shown in the pie chart. Local Agency Investment Fund (LAIF) accounts for 21% of the District's investments; the Riverside County Pooled Investment Fund is

44% of the total. The LAIF yield for the end of February was 0.28% and the Riverside County Pooled Investment Fund was 0.33% this gives an overall weighted yield for District investments of 0.34%.

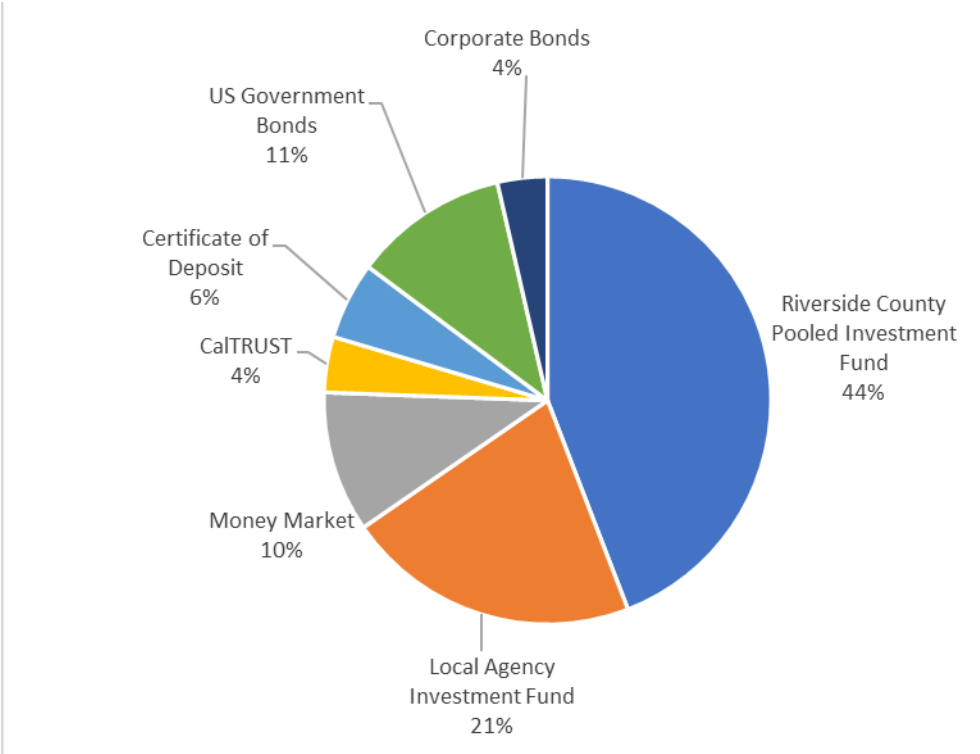


Figure 4 - Investment Portfolio 2/28/22

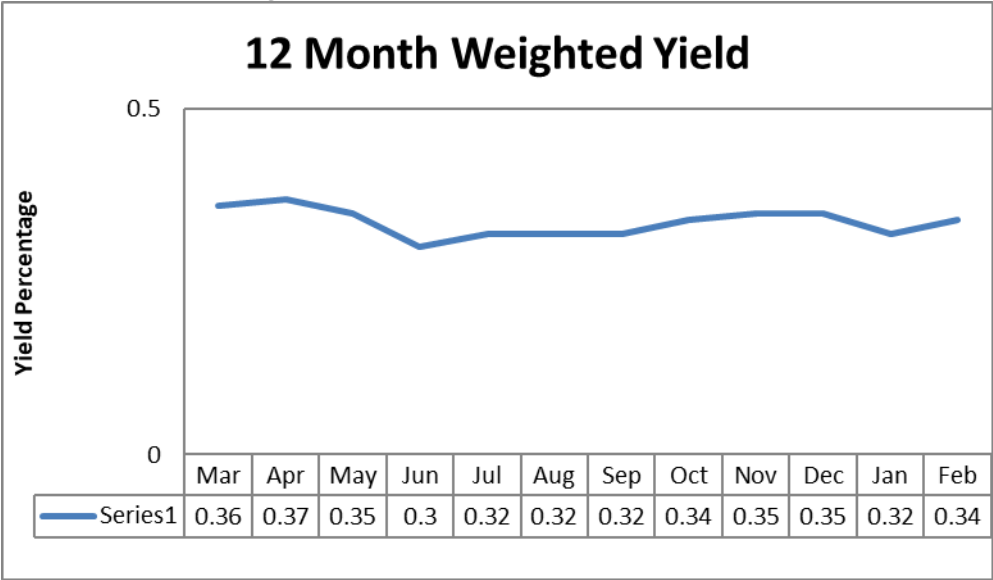
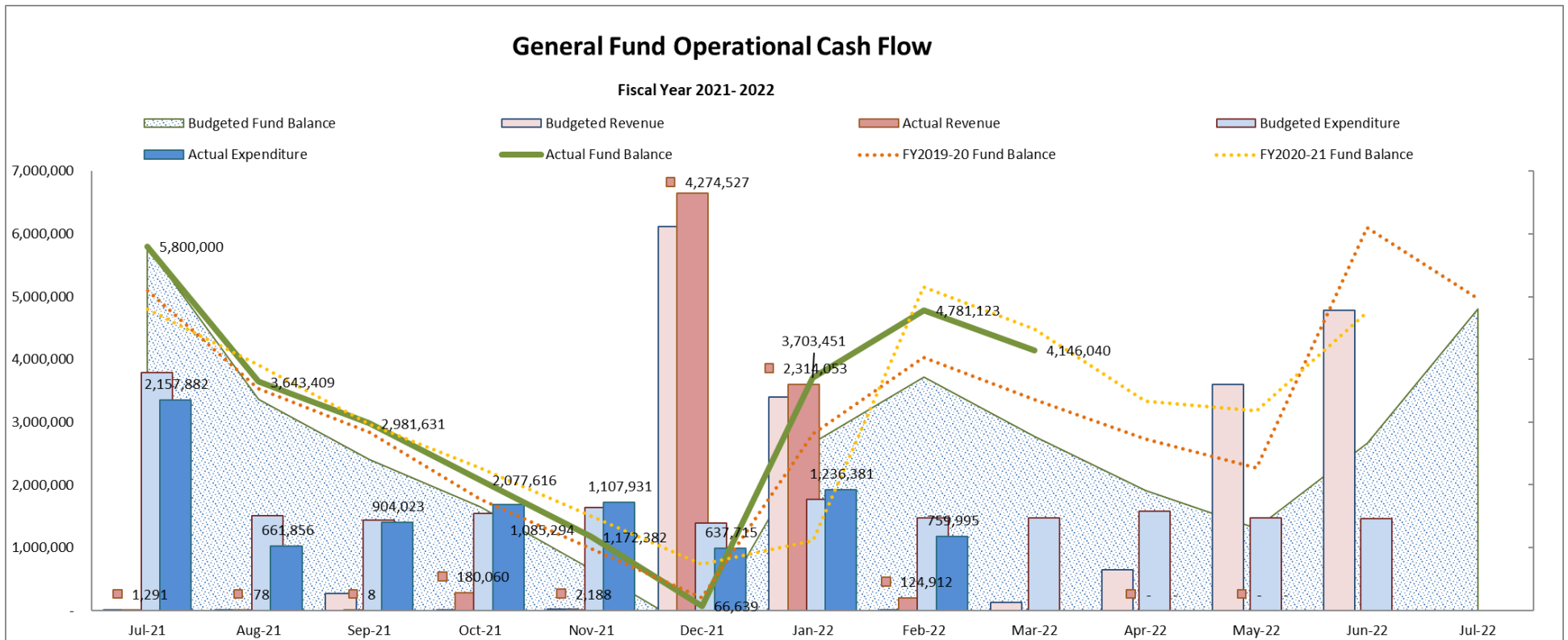


Figure 5 - District Investments Weighted Yield



The **General Fund Operational Cash Flow** graph outlines the District's working capital for the fiscal year July 1, 2021, to June 30, 2022. The beginning fund balance is \$5.8 million and the ending fund balance is \$4.8 million. Expenditure is approximately divided by 12 equal months, with some differences accounting for the seasonality of the program for example control products and seasonal employment which are greater in the mosquito breeding season. July expenditure is higher than average because of the prefunding lump sum of \$1.3 million for CalPERS unfunded liability. The budget also accounts for prepayments. The revenue follows a different pattern, Riverside County distributes the property tax revenue in January and May with advancements in December and April. The shaded area represents the **Budgeted Fund Balance** which has a formula of (beginning) **Fund Balance** plus **Revenue** minus **Expenditure**. The green line represents the **Actual Fund Balance** and is graphed against the shaded area **Budgeted Fund Balance**. FY2019-2020 Fund Balance is the orange dash line. FY2020-2021 Fund Balance is the yellow dash line.

The graph shows for June 1 the \$5.8 million **Fund Balance** plus total Revenue for July 1 to February 28, 2022, of \$6,897,117 minus total Expenses of \$8,551,076 is \$4146,040. Revenue shows a \$574,983 favorable year to date budget variance, which includes an almost \$300,000 favorable variance in Pass Thru revenue, \$132,849 in current secured property taxes and a \$36,897 in Benefit Assessment revenue. Payroll favorable variance of \$251,470 is due to timing, payroll expenses are approximately a month behind. Operating expenses have a favorable variance of \$423,413, expenses for Aerial Applications, Unmanned Aircraft application and Contingency budget are variable depending on mosquito abundance and virus prevalence. Other operating expenses such as Staff Training are to do with timing for example expense occurs later in year but expense budgeted annually rather than a specific month. Overall, the District is showing a favorable variance of \$1.4 million mainly due to increase in revenue and timing of expenses. For planning purposes, the District is under budget. As long as the green line stays out of the shaded area the District is within budget, as of February 28, 2022, the line is outside the shaded area.

	<b>Budget</b>	<b>Actual</b>	Variance	June 30 2022	
	<b>2/28/2022</b>	2/28/2022		Latest Estimate	
<b>Revenue</b>	<b>6,322,134</b>	<b>6,897,117</b>	(574,983)	12,977,141	favorable variance - pass thru revenue & property taxes higher than anticipated
<b>Expenses</b>					
Payroll	<b>6,771,082</b>	<b>6,519,612</b>	251,470	9,567,740	favorable variance - timing payroll expenses a month behind
Administrative Expense	<b>668,751</b>	<b>527,288</b>	141,463	878,329	favorable variance - workers comp expenses lower than budgeted
Utility	<b>71,883</b>	<b>78,900</b>	(7,017)	114,824	
Operating Expense	<b>1,527,823</b>	<b>1,104,410</b>	423,413	1,990,296	favorable variance - contingency expense not used, pesticide budget not fully expensed
Contribution to Capital	<b>320,867</b>	<b>320,867</b>	-	320,867	
<b>Total Expenses</b>	<b>9,360,406</b>	<b>8,551,077</b>	809,329	12,872,056	
<b>Profit (Loss)</b>	<b>(3,038,272)</b>	<b>(1,653,960)</b>	(1,384,312)	105,085	Overall estimate to be \$1.1million favorable





# DEPARTMENT REPORTS

## Human Resources

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### Recruitment

- The District is currently recruiting for one (1) Lab Technician.

### New Employees

- *Jose Rodriguez*, a returning Seasonal Vector Control Operator, began his fourth season with the District on November 17, 2021.
- The following former Seasonal employees started in their new role as Vector Control Technician I on February 7, 2022:
  - *Josie Garcia*
  - *Aaron Rivas*
  - *Iver Romero*

### Staff Training

- On January 27, 2022, all staff participated in the following virtual training:
  - Public Service – Understanding the Roles and Responsibilities of Public Employees (Presented via webinar by Liebert Cassidy Whitmore)
  - COVID-19 Prevention Plan (CPP) Update Training
  - All Certified Staff Attended Additional Annual Training on:
    - N-series, Labels and Safety Data Sheets
- On February 18, 2022, all staff participated in the following virtual training:
  - Office 365
  - Respectful Civil Workplace Policy
  - All Certified Staff Attended Additional Annual Training on:
    - Safe Pesticide Handler Training
    - NPDES and CEQA
    - Be the BEE Experts! (Presented by Lead Vector Control Technician, *Gonzalo Valadez*, and Vector Control Technician II, *Linda Petersen*)
    - What is the Ops Application?
    - How to use the tablets: making the most of the hardware we have

## District Employment Statistics

Department	Budgeted Positions		Filled Positions	
	Full Time FTEs	Part Time FTEs	Full Time FTEs	Part Time FTEs
Administration	2.0	0.0	2	0
Finance	4.0	0.0	4	0
Human Resources	3.0	0.0	3	0
Information Systems	3.0	0.0	3	0
Public Outreach	4.5	0.0	4.5	0
Fleet Maintenance	2.0	0.0	2	0
Buildings & Grounds Maintenance	2.0	0.0	2	0
Surveillance & Quality Control	10.5	0.4	10*	0.1
Control Operations	24.6	0.0	23.6*	0
Aedes	3.2	3.4	3.2	3.4
RIFA	4.7	1.7	4.7	1.7
<b>Total</b>	63.5	5.5	62	5.5
	<b>Hours</b>	<b>Unit</b>		
<b>Full Time Equivalent</b>	2080	1		
<b>Part Time - Seasonal</b>	890	0.43		

\*Current vacancies include one (1) Lab Technician position and (1) Vector Control Technician I position.

## Public Outreach Board Report

November 2021- February 2022

### November presentations and events

- Coachella City Council Presentation
- Desert Hot Springs City Council Presentation
- Three classroom visits
- Blood Drive – “Donate to the Blood Bank, Not to Mosquitoes”
- Mecca Fall Festival

Congratulations to Community Liaison Luz Moncada for passing her Vector Control Technician exam! Currently, four of the five staff in the Public Outreach Department are fully certified in the State of California.

### December

**Science Night** is one of our favorite events. Although these are still virtual events, Community Liaison Luz Moncada was able to interact with over 400 elementary-aged children.



**Market Research Project update.** This project, led by Research America Inc (RAI), completed two focus groups and a Valley-wide survey this fall.

The focus groups discussed mosquito control methods and concepts as it is known to residents in the Coachella Valley and were qualitatively analyzed. Participants were required to complete a daily activity log of mosquito control behaviors at their homes one week prior to the focus group. These behavior audits were a discussion point and help us to understand the actions and reasoning our residents use to reduce mosquitoes in their area – or not.

The Valley-wide survey was offered in both English and Spanish. Answers were compiled into a Communication Toolkit and will be presented to the Board at a future meeting.

### January

**New Team Member.** Welcoming Fernando Gutierrez as Community Liaison. Fernando has been a Technician in the Operations Department for the past 14 years. We are excited to utilize Fernando’s field expertise as he develops our adult education programs. These programs will include training community partners’ staff (schools, landscapers, pest control businesses) to inspect and remove potential mosquito breeding sources. Fernando is bilingual and will help to improve relationships and outreach in the east valley and Spanish media.



## February

**Coachella Valley Unified School District ASES Program.** Outreach staff had a very busy February. The Coachella Valley Unified School District scheduled Outreach presentations for each of their after-school programs. In total, 14 schools from grades K-2nd. This put outreach staff in front of roughly 1,000 students.

**Thrillville** was February 18-27. A revamp of the traditional Date Festival, Thrillville was held at the Riverside County Fairgrounds where thousands of valley residents and visitors interacted with District staff. It takes a lot of time and planning to attend an event of this magnitude. A special thank you to Administrative Clerk Diana Reyes for leading this effort. She organized the booth set-up/tear-down and made sure our booth was well staffed for every shift.



Also thank you to staff that volunteered as booth workers and those who made this event a success!

- Mike Chylik
- Erica Frost
- Ramon Gonzalez
- Oscar Guerrero
- Arturo Gutierrez
- Fernando Gutierrez
- Marissa Kelling
- Marco Medel
- Luz Moncada
- Rosendo Ruiz
- Victor Scrima
- Rafael Solorzano
- Miguel Vargas

## Operations Department

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### General Control Overview

This update covers the months of November 2021 through February 2022 contrasted with the same period in 2020 and 2021. The department's workflow focuses on three areas that include 13 urban, four rural, and agricultural zones that are covered by 17 technicians. Two additional workflows are the Red Imported Fire Ants (RIFA) and the Invasive *Aedes* programs that each has assigned two full-time technicians, assisted by five seasonal staff on each program.

### Larval Mosquito Inspections and Control (non-invasive Aedes)

The operations activities completed in November 2021 through February 2022 were compared to similar months in 2020 and 2021 are as follows:

Month	Mosquito larval Inspections			Total ground larval applications			Total aerial larval applications			Total aerial ULV applications		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
<b>Nov.</b>	1976	1617	--	1707	1399		0	10	--	0	0	--
<b>Dec.</b>	3336	2425	--	1740	1274		0	0	--	0	0	--
<b>Total</b>	5312	4042		3447	2673		0	10		0	0	
<b>% Change</b>	-23.9%			-22.1%								
<b>Jan.</b>	--	3387	3852	--	1042	1283	--	0	13	--	0	0
<b>Feb.</b>	--	3189	4531	--	1289	1356		0	6	--	0	0
<b>Total</b>		6576	8383		2321	2639	0	10	19	0	0	0
<b>% Change</b>	+27.5%			+13.7%			+1,000%		+90%	0		

The month-to-month mosquito larval inspections and applications in November 2020 through February 2022 increased due to a higher number of staff working in their zones compare to the previous year's field staff being impacted by the pandemic. The larval aerial treatments increased due to higher mosquito abundance along the shoreline and the historic trend of high mosquito populations during the early months of the year. No ULV applications were conducted since no virus was detected and larvae applications were done to suppress the mosquito population numbers.

**Control of invasive *Aedes aegypti***

In November 2021 through February 2022, the inspections and treatments increased compared to the same time in 2020. This was due to Aedes program special projects such as door-to-door campaigns and the Aedes program having a full team of 5 seasonal staff and 2 full-time Technicians, in addition to zone Technicians conducting additional inspections and treatments while conducting service requests.

	Invasive <i>Aedes</i> Inspections		Invasive <i>Aedes</i> Treatments	
	2020-21	2021-22	2020-21	2021-22
<b>November</b>	753	2105	53	249
<b>December</b>	1487	1988	35	74
<b>January</b>	825	1329	6	28
<b>February</b>	1682	697	11	10
<b>Total</b>	4,747	6,119	105	361
<b>% Change</b>	+28.9%		+243.8%	

### The Red Imported Fire Ant Program

The RIFA program inspections and chemical control applications in November 2021 through February 2022 are compared to those conducted over the same period a year ago are shown below. The inspections and treatments for RIFA during this reporting period were higher to months in 2020 and 2021, this can be attributed to having a consistent number of field staff in the program.

	RIFA Inspections		RIFA Treatments	
	2020-21	2021-22	2020-21	2021-22
<b>November</b>	276	218	247	219
<b>December</b>	166	212	174	193
<b>January</b>	73	212	71	199
<b>February</b>	153	137	142	131
<b>Total</b>	668	779	634	742
<b>% Change</b>	+16.6%		+17%	

### Service Requests

From November 2021 through February 2022, the Operations Department completed a total of 1,265 Service Requests (SRs) from residents compared to 528 Service Requests during the same period a year ago. The increase in Service Requests correlates with the RIFA service request late into the season and Aedes Service Request increase due to door-to-door campaigns efforts and high mosquito population detection late into the season. The majority of Aedes Service Requests in 2021 were primarily concentrated in cities such as Indian Wells, Palm Desert, Rancho Mirage, Palm Springs, and Cathedral City.



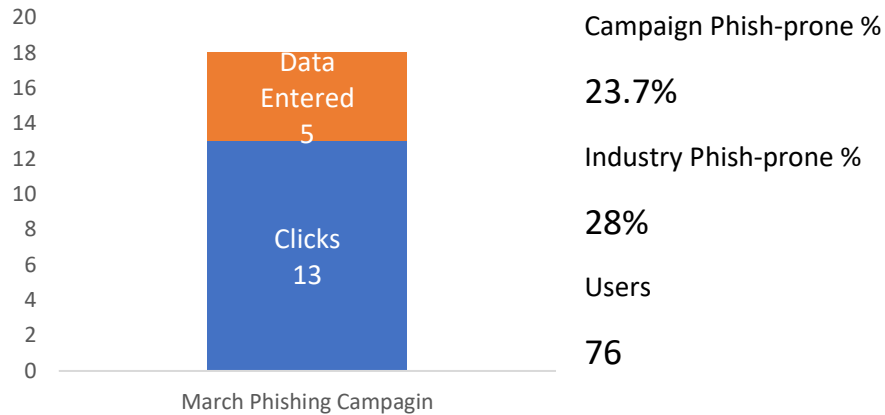
Month	Total All Service Requests		Total RIFA Service Requests		Total Aedes Service Requests	
	2020-21	2021-22	2020-21	2021-22	2020-21	2021-22
<b>November</b>	268	713	160	129	79	503
<b>December</b>	132	294	95	120	25	151
<b>January</b>	51	172	31	119	9	41
<b>February</b>	77	86	56	41	9	33
<b>Total</b>	528	1,265	342	409	122	728
<b>% Change</b>	+139.6%		+19.6%		+496.7	

**Unmanned Aircraft Systems (UAS) – Drone**

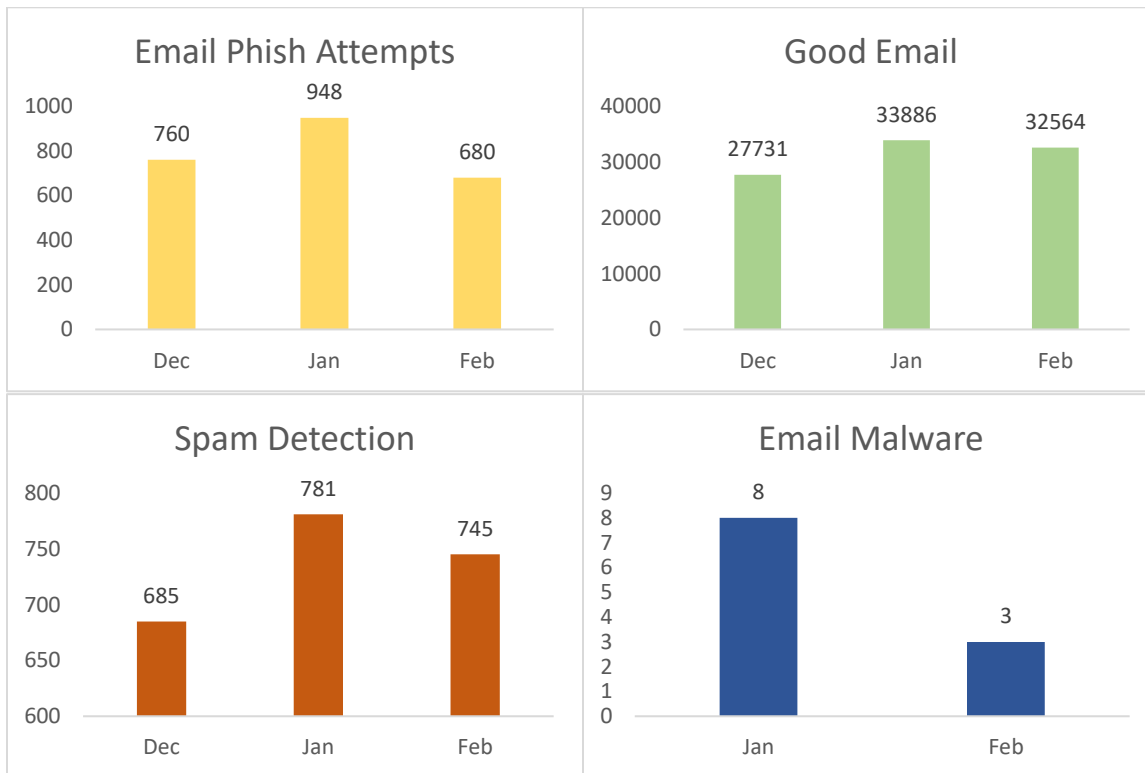
The Operations Department, in conjunction with Leading Edge, performed 2 rounds of drone larval applications. The first round was performed along the shoreline where we normally do helicopter treatments. The application covered 260 acres. The second application was performed at the duck clubs and 64 acres were treated for a total of 324 acres treated. We are currently reviewing a site for a third treatment application.

## INFORMATION TECHNOLOGY

**KnowBe4 Phishing Campaign:** All users in the District’s Tenet were part of a phishing campaign. The email scam was designed to steal login credentials. Reports indicate thirteen (13) users clicked a link directing them to a fake login screen and five (5) users entered credentials. All users in the District’s Tenet will receive 2022 Kevin Mitnick Security Awareness Training next month.



**Microsoft 365 Threat Protection Status:** Threat protection status graphs provide information about threats found prior to email delivery, covering relevant detection technologies, policy types, and delivery actions. Graphs show how much email is sent and blocked in a given period.



**Aerial Imagery:** MVCAC IT Committee Members have been working to negotiate a contract with Nearmap, a provider of high-resolution aerial images, to price their services to all vector controls at a

competitive price. The MVCAC Contact can save the District \$8,000 by joining the initial contact in April. The following agencies are planning to sign: OCMVCD, SacYolo, Shasta, Contra Costa, Alameda, and Marin/Sonoma.

**OPS Application:** New check-out and check-in workflow have been implemented to assist Vector Control Technician Locker Inventories. Technicians are required to check out their control product 1hr 30 min after their start time and 30 min before the end of their shift. This workflow will help account for control products during the workday and improve control product transactions.

## FLEET SERVICES

**EV-Charging Discussions:** Richard Ortiz Shop Mechanic II and Juan Carlos, Shop Mechanic I had discovery phone calls with two (2) EV-Charging Providers: ChargePoint and Enel X. ChargePoint operates the largest online network of independently owned EV charging stations. Enel X, formerly EnerNOC, is the largest provider of products and services aimed at energy transformation at the home, city, and industrial levels. Firms have charging facilities located here in the valley at the Riverside County Workforce Development Center and the Agua Caliente Casino Cathedral City. Discovery phone call covered charging stations, electrical requirements, installation certification, and cost.

**Vehicle Accident:** Unit# 61 was involved in a driver-side accident. The driver was in reverse pulling out of the vehicle's parking slot and scraped a covered parking supporting beam. The estimated repair cost is \$1,663 and will be submitted to VCJPA. Unit# 47 was involved in a rear-end accident on Monroe Street in Indio. Neither driver of Unit# 47 nor the passenger vehicle was injured. The passenger's vehicle front bumper suffered damage from the tow ball mount on Unit# 47. No claim will be submitted.



**Out of Service Vehicles:** Unit# 40, a vehicle assigned to the Surveillance Department continues to be out-of-service and is at the Chevrolet Dealership. A driver mistakenly activated the four-wheel-drive high while driving on surface streets. Operating the vehicle in four-wheel drive high on surface streets caused the sleeve housing, and the shift actuator to overheat and fail. Repair parts are pending from General Motors.

**State Inspection:** Richard Ortiz, Shop Mechanic II worked with J. Little from the State of California to inspect our three (3) compress air tanks on 12/28/2021. All were in good shape and passed the inspection. The State uses a device to measure the walls of the tank to determine if the air pressure tank is safe to operate. Over time, moisture from the air in the tank will accumulate and begin to rust the tank from the inside. Shop Mechanics 'bleed' out the air, as regular preventive maintenance, to extend the life of the equipment. The 'green' compress air tank support Fleet Services should be replaced in the next three (3) to four (4) years.

**County Inspection:** Department of Environmental Health Hazardous Materials Management Branch (HMMB) inspected our facility on 01/04/2022. The District was directed to update the Spill Prevention Countermeasure and Control (SPCC) Plan, NFPA-704 Signage, begin maintaining battery and hazardous waste manifests for 3 years based on the inspection. The District made all recommendations within 30 days to comply with the County's Inspection.

## SURVEILLANCE AND QUALITY CONTROL MANAGEMENT PROGRAM

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The vector-borne statewide surveillance program was established in 1969. The District began encephalitis surveillance in the early 1980s and the surveillance program has been in place since 1990. The District program includes the monitoring of vector and vector-borne diseases and the implementation, evaluation, and analysis of integrated vector management strategies in the Coachella Valley. The information generated by this department is used by District Operations and Public Outreach staff to ensure control measures are efficiently implemented in the field.

### DISEASE SURVEILLANCE (As of 3/4/2022)

**California** – Last year West Nile virus activity in people was lower than 2020 and much lower than the five-year average. No activity has been reported in 2022. St Louis encephalitis virus was detected in more counties in 2021 than in 2020 (8 compared to 6), but a large reduction in the number of positive mosquito samples (510 in 2020; 46 in 2021). There were 5 human cases in California, one fewer than in 2019.

**Coachella Valley** – Testing mosquitoes for arboviruses is being conducted at the District. Thus far in 2022, one sample tested positive for WNV. Given the time of the positive sample and the long transmission season in Arizona, we have included it in the numbers for the 2021 season. Viruses in mosquitoes are usually first detected beginning in June, although earlier viruses detections have been made in the District during previous years.

### ENDEMIC MOSQUITO SURVEILLANCE

#### CO<sub>2</sub> TRAPS

During the normal mosquito season (March through mid-November) the District Laboratory staff maintains 56 CO<sub>2</sub> (carbon dioxide) traps throughout the District to monitor the mosquito populations. Extra emphasis is placed on mosquito species that are known to be vectors of viruses that cause human disease. These vector species in the Coachella Valley are *Culex tarsalis* and *Cx. quinquefasciatus*. In the rural areas *Cx. tarsalis* is the most abundant vector species. CO<sub>2</sub> traps release carbon dioxide to attract mosquitoes looking to obtain a blood meal and are very effective at collecting *Culex* mosquitoes. The average number of vectors captured per trap per night is monitored and used to guide operational activities of the District. The number of mosquitoes collected in half-month periods is compared to the previous 5-year average to determine anomalies in mosquito abundance. The surveillance program mosquito abundance is broadly reported in two areas – Urban and Rural. These Urban and Rural areas are also broken down into smaller zones to look at more specific regions of the Districts when planning mosquito control activities.

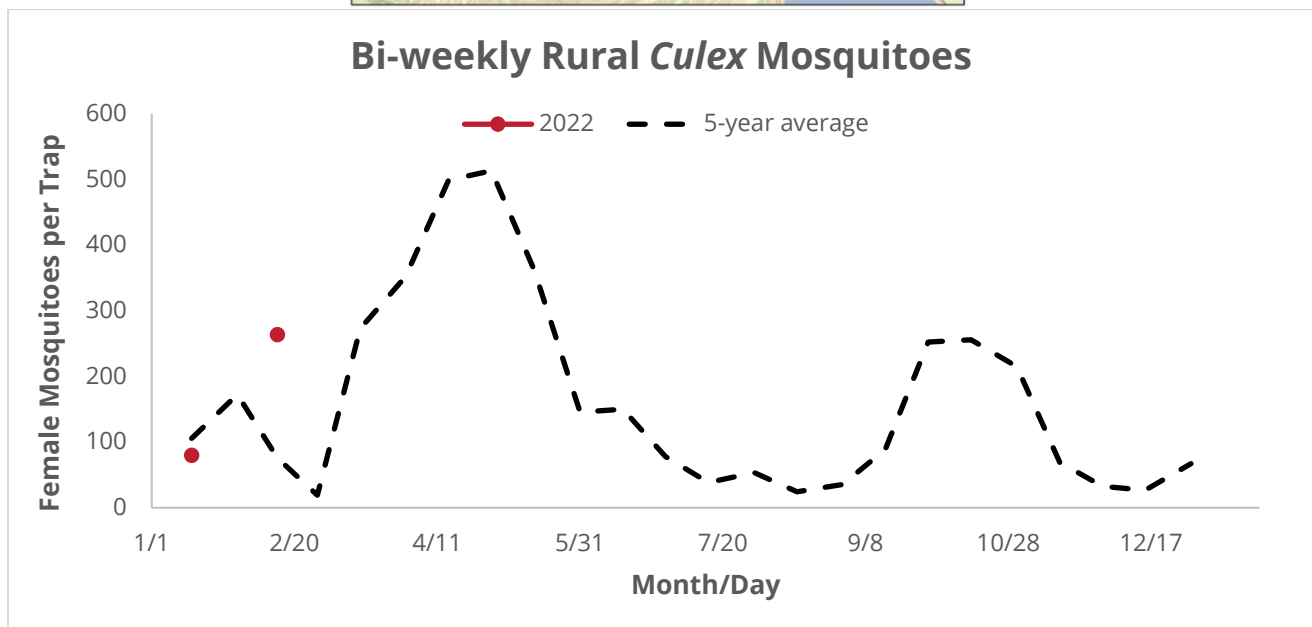


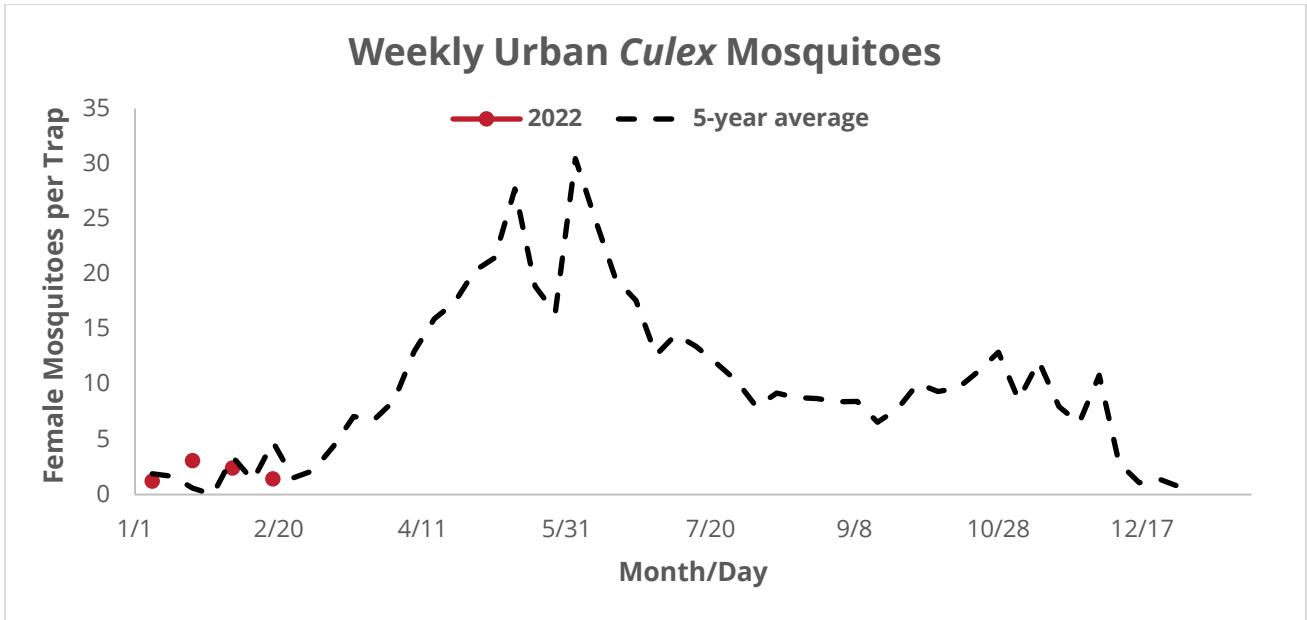
## Gravid Traps

Gravid traps use water infused with organic matter such as alfalfa to attract mosquitoes looking to lay eggs. These traps are especially effective at collecting *Cx quinquefasciatus* mosquitoes, which are the primary disease vector in the urban areas of the District. However, other mosquito species, including *Cx tarsalis* are not attracted to these traps. Because of their use in targeting *Cx quinquefasciatus* mosquitoes these traps are placed in urban areas of Coachella Valley. The District currently uses gravid traps at 53 locations during the normal mosquito season.



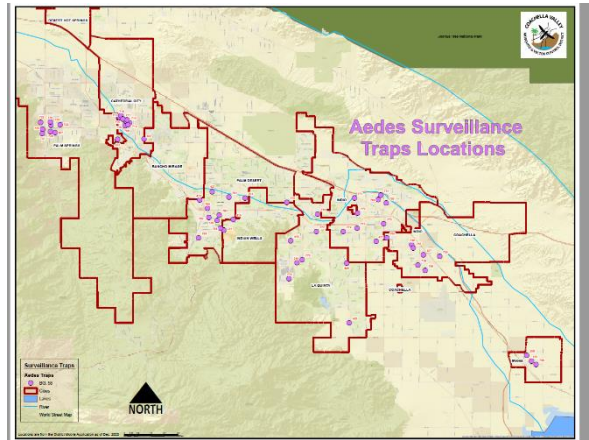
## MOSQUITO SURVEILLANCE ZONES



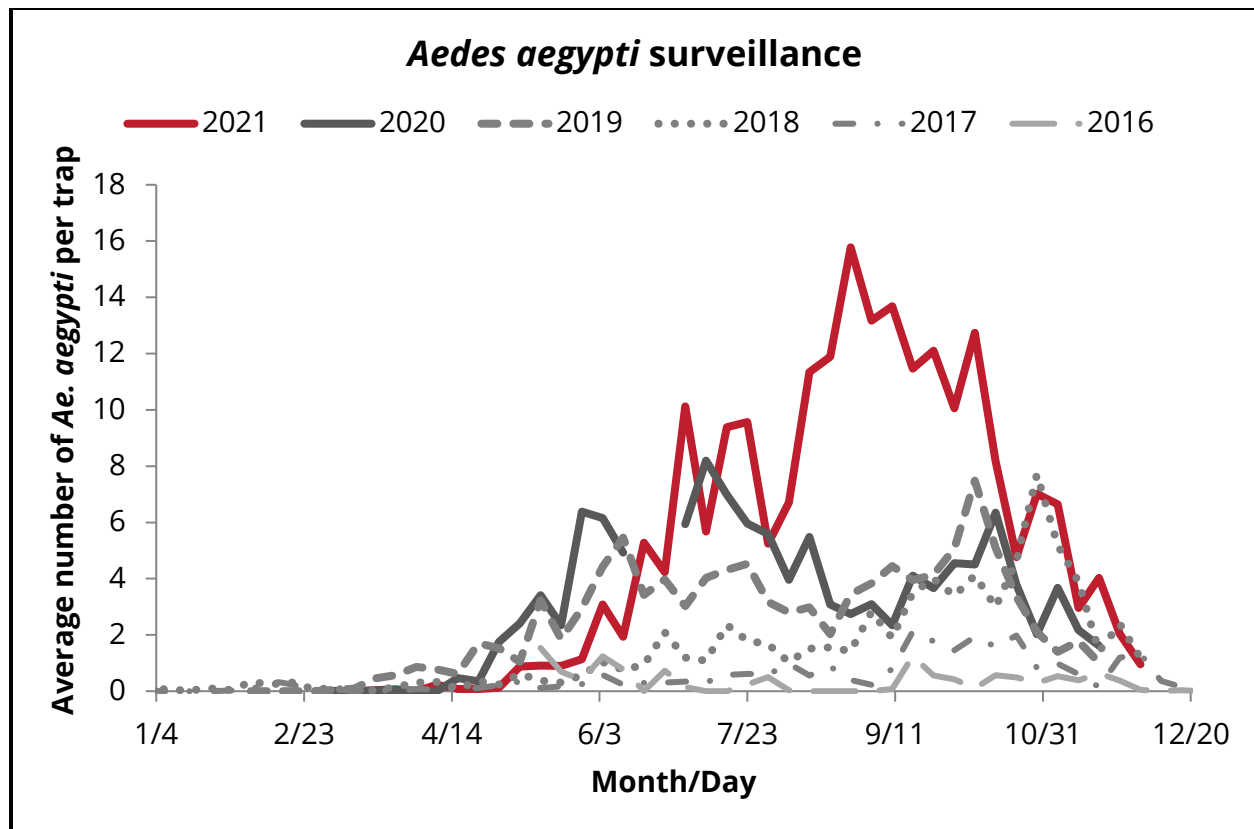


### EXOTIC MOSQUITO SURVEILLANCE

*Aedes aegypti* has been detected throughout the Coachella Valley. Surveillance efforts for these invasive mosquitoes continued in 2021 with adjustments planned. BG-Sentinel traps were deployed within cities of known *Aedes* activity on a routine basis for host-seeking mosquitoes. Routine BG-sentinel trap locations for adult *Aedes aegypti* surveillance are being relocated to better represent the mosquito detection area in the Coachella Valley. Initially, the routine *Aedes* trapping efforts were focused on the neighborhoods surrounding the first *Aedes* discoveries in each city. These trap locations



do not represent the current *Aedes* detection area, and it is important that surveillance efforts are adjusted accordingly. The goal is to determine eight to ten BG trap sites per city, with each trap sampling one square mile. This effort would provide a better sample of *Ae. aegypti* activity within each city, and better guide our responses. We plan to complete this effort in 2022.

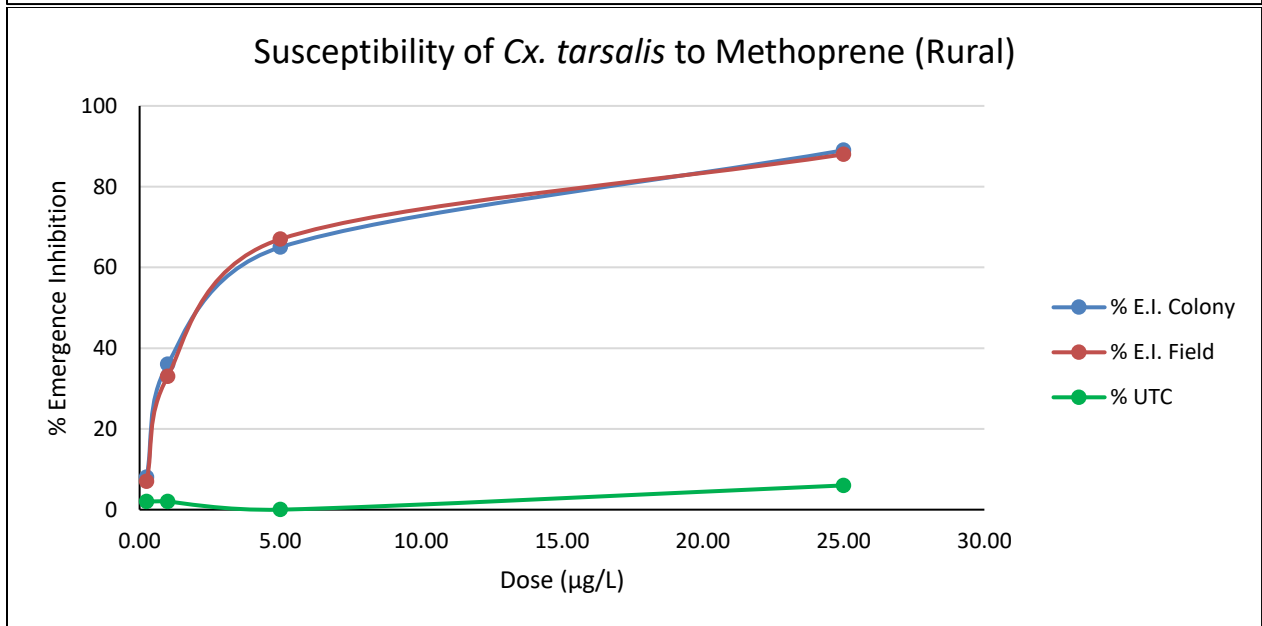
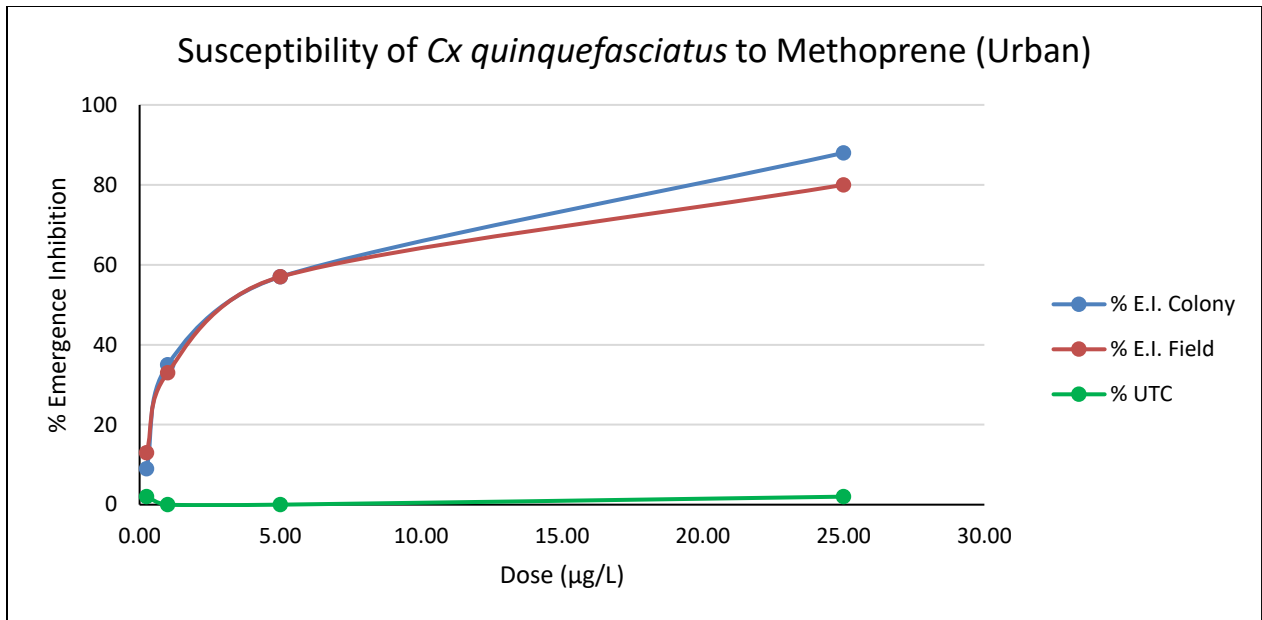


### PRODUCT EFFICACY

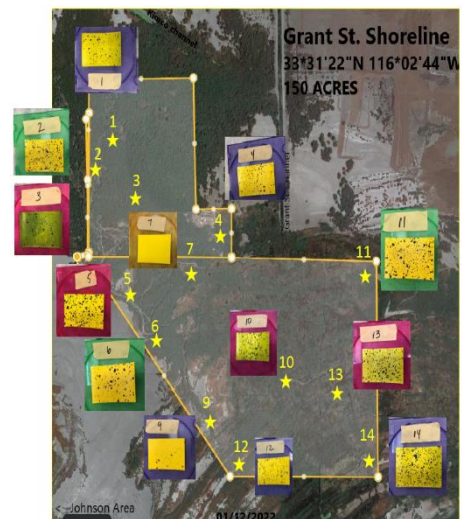
**Resistance in larval mosquitoes.** We conducted cup assays to examine resistance to active ingredients in control products for larval mosquitoes. Here, resistance can mean the active ingredient is no longer effective against populations. Populations are collected from the field and compared to a colony population known to be susceptible to the active ingredient. In 2021, we examined the pesticide resistance of *Culex quinquefasciatus* and *Cx. tarsalis* to methoprene, using Altosid Liquid (a.i.: methoprene).



In both graphs below, the vertical axis represents percent Emergence Inhibition (mortality) and the horizontal axis represents a range of increasing doses; at 25  $\mu\text{g/L}$  the methoprene product should kill 100% of sampled larvae. For both species, the field-collected mosquitoes have a similar mortality rate to the colony mosquitoes which are susceptible to the product. Neither species is showing signs of resistance to methoprene. The untreated control (UTC) indicates that the study did not have any contamination.



**Aerial larvicide application.** Jacob Tarango, Mike Esparza, and Gabriela Perezchica-Harvey worked with the Operations Department to conduct an efficacy evaluation of an application of Natular 2EC (a.i.: spinosad) to marshy areas of the Salton Sea shoreline. Using chromomatic cards which change color when wet and collection cups which were later filled with water and larvae, we determined that most of the area was well treated by the product. The middle of the area was not well treated, and knowing this gives the Operations team more information on where to look for product failure.





**Drone larvicide application.** Gerald Chuzel and Kim Hung have an on-going evaluation with the Operations Department. Unmanned aerial vehicles (UAVs or drones) were used to apply MetaLarv S-PT (a.i.: methoprene) to a drying duck club pond. Water samples are being taken from the pond and from untreated ponds to determine if the application was effective. This evaluation is on-going and is expected to be completed in March.



### **EXTERNAL RESEARCHERS**

**Fire Ant and Irrigated Baits.** Dr. David Oi from USDA Center for Medical, Agricultural, and Veterinary Entomology (USDA-CMAVE) was funded in previous years to conduct work on the impacts of irrigation on the effectiveness of fire ant baits. Some of this work included coating the bait with a water resistant product to examine if that would impact the fire ants carrying the bait back to their nests. The work to this point indicates that irrigation amounts that we have in the Coachella Valley are unlikely to have significant impacts on the fire ants taking the bait. While this is useful, employees must still adhere to the label requirements for not applying following rain. Dr. Oi's paper includes Gerald Chuzel and Jennifer Henke as co-authors. It can be accessed here for free: <https://doi.org/10.1093/jee/toab242>.

### **ENVIRONMENTAL COMPLIANCE**

**NPDES.** The District submitted its Annual Report for 2021 to the State Water Resources Control Board and Colorado River Regional Water Quality Control Board on March 1 for compliance with the Clean Water Act's National Pollutant Discharge Elimination System Permit. The District also submitted its Annual Report to the Environmental Protection Agency for activities conducted on tribal property on February 15.

District staff applied for and were issued a new EPA Pesticide General Permit for work being done in or near waters of the U.S. on properties which are not under California jurisdiction on October 31, 2021. District staff participated in a call with the State Water Resources Control Board regarding the NPDES permit. The 2016 permit expired in 2021, though the District is obligated by law to continue to comply with the 2016 permit until a new permit is issued. The phone call outlined the issues that the State Water Resources Control Board staff are facing, and District staff will continue to engage with the Mosquito and Vector Control Association of California to renew the permit when one is available.

*CALIFORNIA ENVIRONMENTAL QUALITY ACT.* The District filed its Annual Report for 2021 in-house on February 1 as required by its Mitigated Negative Declaration for its Integrated Vector Management (IVM) Program. Overall, the District complied with the Mitigation Monitoring and Reporting Program, designed to ensure that the IVM Program does not have a significant impact on the environment. The summary can be found elsewhere in this board packet.

*PESTICIDE ENVIRONMENTAL STEWARDSHIP PROGRAM.* The District filed its PESP report on its work completed being a steward of the environment while responsibly using pesticides on January 31. The summary can be found elsewhere in this board packet.

### **ADDITIONAL DEPARTMENT ACTIVITIES**

*CONFERENCES.* As reported elsewhere in this board packet, Department employees have been active participants at MVCAC and AMCA Conferences. At MVCAC, Jacob Tarango and Kim Hung presented posters on product resistance projects completed in 2021. Gabriela Harvey presented a talk on product applications made by helicopter at the Salton Sea shoreline in 2021 and Jennifer Henke shared results of large area applications for controlling *Aedes* mosquitoes.

At AMCA, Jennifer presented on work that Gerald Chuzel and Gabriela Harvey conducted in 2021 evaluating two products in catch basins. These products were also examined by other districts, allowing the audience to compare efficacy across agencies.

*ASSOCIATIONS.* Kim Hung organized a Visual Gateway Workshop for MVCAC participants which was held on January 20, 2022. Previously an in-person meeting, this workshop was moved online. The workshop allows for new users and more experienced users of Tableau to network and learn new resources.

Jennifer Henke presented the District's use of VectorSurv to the Arizona Arbovirus group in February. Many of the Arizona districts are new to using VectorSurv, joining the platform in 2021. Jennifer highlighted some of the tools and resources that the Department uses routinely to make decisions and to present data to the rest of the District and the public. Time also permitted Jennifer to share some of the results from the large are applications for controlling *Aedes* mosquitoes.

*LOOKING AHEAD.* Department employees have completed their review of traps and resources needed for the mosquito season. A review of routes has been conducted. The team has engaged in project planning for the season ahead and is looking forward to completing work on pesticide efficacy, mosquito rearing, and planning for *Aedes* control strategies.

**Board Business Status Log 2022**

Board Action Item / Description	Month	Status	Comments	
<b>Agreements</b>				
	Approval to enter into an agreement for a Supplemental Mitigated Negative Declaration for CEQA compliance in an amount not to exceed \$35,000 from fund 6095.01.400.000 Budgeted; Funds Available	January	Completed	
	Approval to upgrade the Laboratory HVAC system in an amount not to exceed \$75,000 from Fund 14- District Capital Improvement Fund - Budgeted, funds available	February	In Process	
	Approval for the upgrade and remodel of the Administration Building in an amount not to exceed \$80,000 from Fund 14- District Capital Improvement Fund - Budgeted, funds available	February	In Process	
	Approval to renew the contract with CleanExcel for cleaning services for the District headquarters in an amount not to exceed \$38911.00 per month from fund 7675.01.305.000 – Contract Services, Budgeted; funds available	March	In Process	
	Approval to renew the annual agreement with Salton Sea Aerial Services, Inc. to conduct both aerial adulticiding and larviciding aerial applications; Budgeted; Funds Available	March	In Process	
<b>Resolutions And Proclamations</b>				
	Approval of Resolution 2022-01 authorizing remote teleconferencing meetings for the period	January	Completed	

	January 11, 2022 – February 9, 2022			
	Approval of Resolution 2022-02 authorizing remote teleconferencing meetings for the period February 10, 2022 - March 11, 2022	February	Completed	
	Approval of Resolution 2022-03 adopting employee pay scale	February	Completed	
	Approval of Resolution 2022-04 authorizing remote teleconferencing meetings for the period March 12, 2022 – April 11, 2022	March	In Process	
	Approval of Proclamation designating the week of April 17-23, 2022, as Mosquito Awareness week	March	In Process	
<b>Other</b>				
	Yearly Training for Trustees: Ethics and Sexual Harassment Prevention		In Process	
	Annual Statement of Economic Interests/Form 700 Annual Filing for the filing period of 2021/2022	March	In Process	
	Discussion and/or approval of adding a new position-Operations Program Coordinator-for the 2022 Mosquito Season	March	In Process	
	Discussion and/or approval to purchase an Unmanned Aircraft System (UAS), payload and battery systems in an amount not to exceed \$69,000.00, from Leading Edge. Capital Replacement Budget Fund #8415.13.300.000 – Budgeted; Funds Available- Capital Replacement	March	In Process	

**Coachella Valley Mosquito and Vector Control District**

**SPECIAL MEETING  
Strategic Planning Workshop Via Zoom**

**DRAFT-Minutes**

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**TIME AND DATE:** 9:00 a.m. Thursday, February 3, 2022

**LOCATION:** 43420 Trader Place, Indio, CA 92201- *Via Zoom*

**TRUSTEES PRESENT:**

VICE PRESIDENT: Doug Walker	Palm Desert
TREASURER: Clive Weightman	Indian Wells
Denise Delgado	Coachella
Dr. Doug Kunz	Palm Springs
Rita Lamb	Cathedral City
Bito Larson	County at Large
John Pena	La Quinta
Janell Percy	County at Large

**ABSENT:**

PRESIDENT: Benjamin Guitron	Indio
SECRETARY: Isaiah Hagerman	Rancho Mirage
Gary Gardner	Desert Hot Springs

**Members of the Public present:** Yes

**STAFF AND OTHERS PRESENT:**

Martin Rauch, Rauch Communications Consultants, Inc.  
Kara , Rauch Communications Consultants, Inc.  
Amanda Greene, Rauch Communications Consultants, Inc.  
Jeremy Wittie, M.S., General Manger  
Melissa Tallion, Clerk of the Board  
Crystal Moreno, Human Resources Manager  
Roberta (Bobbie) Dieckmann, Operations Manager  
Jennifer Henke, M. S., Laboratory Manager  
Edward Prendez, Information Technology Manager  
David l'Anson, MPA, MBA/ACC., Administrative Finance Manager  
Tammy Gordon, M.A., APR, Public Information Officer  
Kim Hung, Ph.D., BCE, Vector Ecologist

Gaby Harvey, M.S., Vector Ecologist  
Greg Alvarado, Field Supervisor, Operations  
Olde Avalos, Field Supervisor, Operations  
Mike Martinez, Field Supervisor, Operations  
Chris Cavanaugh, Field Supervisor, Operations  
Geneva Ginn, Acting Field Supervisor, Operations  
Abby Torres, Accounting Technician I  
Gerald Chuzel, Biologist  
Jeff Rushing, Vector Control Technician II

**1. Call to Order** – *Vice President Weightman called the meeting to order at 9:05 a.m.*

**2. Welcome** - *Jeremy Wittie welcomed everyone and thanked them for their participation in the Strategic Planning Workshop. Jeremy introduced Martin Rauch, the consultant who will be assisting the District in writing the strategic plan.*

**3. Public Comments** - *Mr. Anderson submitted written statements which were distributed to the Board of Trustees and attached for the record. Mr. Anderson voiced his opposition to the District's Strategic Planning process.*

#### **4. Workshop and Breakout Groups**

- A. The primary purpose of the workshop is to gather and develop ideas and information that will be further synthesized into the District's 2022 Strategic Plan. The final plan will be presented to the Board of Trustees at a future public meeting for review and approval.
- B. Portions of the meeting will be held in a single virtual workshop room that includes all participants. During the meeting, participants may also be placed in one of five (5) virtual breakout rooms. There will be no more than two (2) Board members in each virtual breakout room, along with members of staff and/or members of the consultant's team. Each member of the public in attendance will be placed in one of the breakout rooms as observers of the Board and staff discussion. Multiple breakout sessions may be held throughout the workshop. At the conclusion of each breakout session, all those in attendance will be brought into the main virtual workshop room for additional discussion.

*A discussion ensued. Staff and the Board shared ideas about the District's priorities over the next three (3) years which will help aid the District in reaching its mission.*

*The zoom resumed at 11:25 a.m. due to technical difficulties. All participants including Mr. Anderson were notified and agreed to log back in.*

*The participants took a 30-minute lunch from 12:00 p.m. until 12:30 p.m.*

**5. Adjournment**

*The meeting was adjourned by Vice President Weightman at 3:36 p.m.*

## Melissa Tallion

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**From:** [REDACTED]  
**Sent:** Wednesday, February 2, 2022 11:00 PM  
**To:** Melissa Tallion; Edward Prendez  
**Cc:** Jeremy Wittie  
**Subject:** Public Comment - CVMVCD Special meeting of 2/3/2022

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

February 2, 2022

Coachella Valley Mosquito and Vector Control District (CVMVCD)  
43420 Trader Pl  
Indio, CA. 92201  
(760) 342-8287  
Attn: Current Clerk of the Board

Re: Written letter to be entered in to the Public record and made available to the general public for the scheduled CVMVCD Special meeting of February 3, 2022 - Agenda Items: 3 & 4

Dear CVMVCD appointed members,

Please review my written statements listed below prior to previewing and or taking any actions on agenda Items listed for the February 3, 2022 CVMVCD Board of Trustees special meeting.

1) Agenda Item: 3 (Public comment)

The CVMVCD administration have continued to attack free speech in readership to Public testimony at all of it's precived open Public meetings. The elimination of allowing Resident's the right to verbally hear or see the meeting listed agenda Items being presented to the board prior to being forced to detail opinions/statements on Information that was not given to Residents beforehand.

The combination of Non-Agenda and Agenda Items have ONLY limited the abilities of the General Public to truly be heard by a governing body of appointees (non-elected officials) that have No consequences for allowing the CVMVCD administration to operate in a unethical matter.

2) Agenda Item: 4 (un-regulated trustee discussions)

This New and proven method of allowing scripted (prepared/pre-panned) third-party small-scale bussinesses to perform "Strategic planning" for organizations that are far better at managing themselves is truly a State wide "ambush" on California's taxpayer's.

Please consider the extreme cost Increases to retain the experience of these external companies over the years. It's appears that the CVMVCD administration is unable to operate without supporting "Consultants" that may have direct connections with CVMVCD networks of tax dollar funded group's? Poor performance should be eliminated before allowing external companies to perform work that should be done In-house (CVMVCD Staff).

Sincerely,







**Coachella Valley Mosquito  
and Vector Control District**

**March 8, 2022**

**Staff Report**

**Agenda Item:** Informational Item

Important Budget Meeting Dates – **Finance Committee**

**Background:**

The Finance Committee and staff have scheduled the following meetings in preparation for the development of FY 2022-23 Budget. Please mark your calendars. We hope you can join us at these meetings as your input is very important.

- Tuesday, April 12, 2022 - Special Finance Committee Meeting 1:00 p.m. to 2:30 p.m. to discuss Budget draft #1
- Tuesday, May 3, 2022 - Special Finance Committee Meeting 1:00 p.m. to 3:00 p.m. to review the final Budget draft
- Tuesday, May 10, 2022 - Budget workshop with Board 4:30 p.m. to 5:30 p.m. (*Regular Finance Committee meeting: 3:30 p.m. to 4:30 p.m.*)
- Tuesday, June 14, 2022 - Regular Board meeting – Approval of FY 2022-23 Budget



**Coachella Valley Mosquito and  
Vector Control District**

**March 8, 2022**

**Staff Report**

**Agenda Item:** Informational Item

National Pollutant Discharge Elimination System (NPDES) Annual Report – **Jennifer A. Henke, M.S., Laboratory Manager**

**Background:**

The District's application of pesticides to and adjacent to Waters of the United States are subject to compliance with the Clean Water Act. In California, the State Water Resources Control Board administers the Vector Control General Permit for the National Pollutant Discharge Elimination System (NPDES). The District must annually file a report with the State Water Board and the Colorado River Regional Water Quality Control Board. The report is required to address:

1. Applications of control products made to or near waters of the United States
2. Any proposed changes to our Best Management Practices for applications to or near waters of the United States
3. A map of our application and target areas which are waters of the United States

The executive summary of the report is attached.

The District also maintains a Federal NPDES Pesticide General Permit and reports on applications made land under tribal jurisdiction. The District applied for the updated permit before the October 31, 2021 deadline. The report on 2021 applications is the final report under the 2016 permit. The report included the 92 larvicide applications, 6 barrier applications, and 20 ULV applications.

**Exhibits:**

- 2021 NPDES annual report executive summary for California permit

## 2021 NPDES Annual Report

**1. Annual Report****a. Executive Summary**

The Coachella Valley Mosquito and Vector Control District (hereafter, the District) is a non-enterprise independent special district accountable to the citizens of the Coachella Valley, charged with the protection of public health through the control of vectors and vector-borne diseases within its boundaries. The District operates in the Colorado River Basin Regional Water Quality Control Board District (Region 7). The District operates under the Statewide National Pollutant Discharge Elimination System (NPDES) Permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications (Water Quality Order No. 2011-0002-DWQ as amended by Water Quality Order No. 2012-0003-DWQ, 2014-0038-EXEC, and 2014-0106-DWQ) since it became effective on November 1, 2011. The District currently operates under Water Quality Order No. 2016-0039-DWQ since it became effective on March 1, 2016.

The District made 807 larvicide treatments to 148 waters of the U.S. in 2021. The District also made 20 ULV applications of adulticides near private duck club ponds and 12 barrier applications of adulticides to vegetation adjacent to a water of the U.S. in 2021. The District complied with the instructions on the labels of the pesticides and continued to follow the guidelines of its Pesticide Application Plan (PAP) to minimize biological and residual pesticides. Per Order 2016-0039-DWQ, the monitoring and reporting requirements of the Vector Control Permit were modified to consist of reporting of any visual adverse effects or reporting of non-compliant applications as well as monitoring and reporting of pesticide application rates for all applications. The District continued to follow the guidelines of its Pesticide Application Plan (PAP).

**b. Summary of Monitoring Data**

No adverse impacts from vector control applications were noticed or reported by any of the individual applicators. No non-compliant applications were performed. The annual report tables have been modified to include the application rate for each application reported.

The Coalition will provide information on the incidence of West Nile virus and other similar public health threats in the Coalition's annual report. The

District detected West Nile virus in 105 mosquito pools and St. Louis encephalitis virus in 24 mosquito pools.

- c. Identification of Current Best management Practices (BMPs)  
The District uses the BMPs outlined in the District's PAP. These include: training employees to prevent and respond to chemical spills; keeping pesticides in secure locations; calibrating spray equipment; checking the accuracy of use on a daily basis; maintaining certification of staff as State Certified Public Health Vector Control Technicians; and use of biological and physical methods of control mosquitoes when appropriate.
- d. BMP Modifications Addressing Violations  
No violations of the General Permit were observed.
- e. Map of Applications  
See Attachments A, B and C. Attachment A was made using our Mosquito Mobile application to show larvicide applications. Sites in the application are either points or polygons (polys) depending on the size of the site when it was digitized. Attachment B is the route where aerial ULV for adult mosquitoes took place. Attachment C is the maps of the barrier routes.
- f. Log of Applications made to Waters of the U.S.  
See Pesticide Application Log (Attachment D). The application log includes 807 applications of larvicide made to waters of the U.S. It also includes 20 ULV applications of adulticide adjacent to waters of the U.S. and 12 barrier applications to vegetation situated near waters of the U.S.
- g. General Information on Applications.  
See Pesticide Application Log. Dosage, concentration, and quantity of pesticide used are derived from District recommended rates based upon biological research and are within pesticide label rates. In some cases, the division of the application amount by the area applied makes it appear as if there was an exceedance per the label. The District discussed with the Riverside County Agricultural Commissioner the inaccuracy of measuring small amounts of liquid for application to small areas. The District adopted a standard procedure of measuring no less than 0.5 mL of liquid larvicide to be applied at small acreage sites.

Examining the ownership of properties within the District, several parcels are owned by Native American tribes. To be compliant with NPDES, the District has obtained permission to treat and an EPA NPDES permit for coverage of these areas. This may mean that there is a reduction in the number of

locations or in the locations themselves that are reported to the California Water Resources Control Board when compared to previous years.

- h. Visual Monitoring Data  
No adverse impacts from vector control applications were seen or reported by individual applicators.
- i. Monitoring Program, BMPs and PAP Recommendations  
The District has no recommendations for improving the current PAP and monitoring and reporting program.
- j. Pesticide Application Log  
See 1f.

**2. Updated PAP Components**


Not applicable.

**3. Self-Monitoring Reports**

The District was not asked to submit any self-monitoring reports by the State Water Board or by the Colorado River Regional Water Quality Control Board.

**4. Monitoring Reports**

The District is a member of the Mosquito and Vector Control Association of California's Monitoring and Reporting Coalition. The MVCAC Coalition Monitoring Annual Reports summarizes the direction and outcome of the conversations between MVCAC and the SWRCB on potential changes to the Vector Control Permit.

	<p><b>Coachella Valley Mosquito and Vector Control District</b></p> <p><b>Staff Report</b></p>	<p><b>March 8, 2022</b></p>
<p><b>Agenda Item:</b> Informational Item</p> <p>EPA Pesticide Environmental Stewardship Program (PESP) – <b>Jennifer A. Henke, M.S., Laboratory Manager</b></p>		
<p><b>Background:</b></p> <p>In 1994, the Environmental Protection Agency (EPA), established the Pesticide Environmental Stewardship Program (PESP) to promote the use of Integrated Pest Management (IPM) among users of pesticides. The American Mosquito Control Association (AMCA) became a member in 1997 and has since become a Gold level member. AMCA tracks the methods that mosquito control districts across the United States reduce the risk of pesticide exposure to their employees and the members of their community.</p> <p>The District became a Bronze level member in 2012. As part of its five-year strategy document, the District committed to tracking components of IPM that reduce the risk of pesticide exposure and that demonstrate that we are stewards of the environment. The District updated its five-year strategy in 2018 to account for the changes in our programs with the return of St. Louis encephalitis virus and detections of <i>Aedes aegypti</i>. The summary of our annual report for 2021 is attached.</p>		
<p><b>Exhibits:</b></p> <ul style="list-style-type: none"> <li>• 2021 CVMVCD EPA PESP annual report</li> </ul>		

## **The Coachella Valley Mosquito and Vector Control District's EPA Pesticide Environmental Stewardship Program 2021 Report**

### **Introduction**

The Coachella Valley Mosquito and Vector Control District (hereafter, the District) is an independent special district in southern California. We have adopted an Integrated Vector Management (IVM) program to control mosquitoes and red imported fire ants, and to a lesser extent, eye gnats and filth flies. In addition, the District helps Coachella Valley residents to rodent-proof their property by carrying out property inspections and providing expert advice. The work is done in the 2,400 square miles of our District boundary. We learned of the EPA's Pesticide Environmental Stewardship Program (PESP) through the American Mosquito Control Association (AMCA), a Gold Tier PESP Member. The District chose to join in 2012 to engage with others to reduce "potential health and environmental risks associated with pests and pesticide use and in implementing pollution prevention strategies." In 2017, the District updated its Strategy Document to reflect changes in the work being completed to protect public health.

The District applies control products where people live, work, and play to protect public health. The District's IVM program involves procedures for minimizing potential environmental impacts, while providing the necessary level of public protection from vectors and the pathogens they can transmit. The District employs IVM principles by first determining the species and abundance of vectors through evaluation of public service requests and field surveys of immature and adult vector populations; and then, if the populations exceed predetermined criteria, use the most efficient, effective, and environmentally sensitive means of control. For all vector species, public education is an important control strategy, and for some species, it is the District's only control method. In some situations, the District also uses biological control such as the placing of mosquitofish in ornamental ponds. When these approaches are not effective or are otherwise inappropriate, then control products are used to treat specific vector-producing or harboring areas to reduce vector populations.

The principles for mosquito and red imported fire ant control apply similarly to other vectors or nuisance species, including assessing the proximity to populated regions; the threat to surrounding organisms; the use of control products in strict accordance with label requirements; the eradication of breeding sources to prevent future re-infestation; educating the general public on preventative measures to prevent future colonization; and the administration of funding and institutional support necessary to accomplish these goals.

The IVM program as a whole, including registration and continuing education of state-certified field personnel, is reviewed and approved by the California Department of Public Health Services through a formal Cooperative Agreement that is renewed annually. For work on state lands and riparian zones, wetlands or other sensitive habitats, the District coordinates and reviews activities with the California Department of Fish and Wildlife, the



U.S. Fish and Wildlife Service, and the California State Lands Commission as Trustee Agencies. For chemical control activities, the District reports to and is periodically reviewed by the Riverside County Agricultural Commissioner.

The District's five-year strategy is to track the following criteria and to update the EPA PESP about our progress in our annual reports. What follows is the summary of our work in 2021, with a comparison to numbers reported in our 2020 report where appropriate.

**ACTIVITY 1: SOURCE REDUCTION AND WORKING WITH MANAGERS OF PUBLIC LANDS**

The District will work with other public agencies to implement focused and environmentally sound mosquito control strategies where necessary. As part of our IVM program, these activities typically include source reduction, sanitation, and the use of biopesticides to control vectors early in their life cycle. In some cases, highly focused applications of chemical pesticides are directed at confirmed vector species to control populations and protect public health. Appropriate measures include:

**Measure 1:** A list of non-drainage source reduction and sanitation efforts conducted to prevent mosquito and fly breeding.

The District and the Coachella Valley Water District are cooperating in an effort to ensure property owners properly control artesian wells to comply with state code. In recent years, sufficient groundwater pressure has returned to areas within the eastern Coachella Valley to cause flowing conditions in artesian wells and indicates a healthy aquifer. Decreasing overdraft and returning artesian conditions are goals of the *Coachella Valley Water Management Plan*, which seeks to reduce pumping costs and protect groundwater quality. Replenishing the eastern portion of the Coachella Valley's aquifer with imported water is a crucial component of the valley-wide plan. It is important that the construction or repair of artesian wells is performed in a manner to prevent unchecked flowing conditions. Uncontrolled flows from artesian wells, can result in non-beneficial use of water, and may create standing pools that become unwanted breeding grounds for mosquitos. The Districts cooperated to work with property owners to repair wells and developed a rebate program to defer some of the costs for these repairs; 3 sites were repaired, impacting 61 acres of potential breeding sources. The District can provide a list of property owners and locations upon request. This is same as what was listed in 2016.

Some property owners in the eastern Coachella Valley operate duck hunting clubs in the winter. Water confined to ponds on the property can breed mosquitoes, but mosquito activity typically decreases as the water ages. Breaks in levees and release of water to desert flooding sites create new mosquito breeding sites which can be difficult to treat. In order to reduce desert flooding, the District implemented a policy in 2015 for duck clubs where any water not confined in a pond or designated drainage ditch system would result in charges for mosquito control products used to treat those areas. The duck clubs owners discussed their flooding plans and conducted conservation efforts which led to less mosquito

production and fewer chemical treatments. In 2016, two clubs (Pintail and Tres Rios) did not flood, resulting in 51.7 acres of dry land. In 2017, five clubs did not flood (Adohr's, Middle Farms, Northwind, Pintail, and Tres Rios) resulting in 205.43 acres of dry land. These clubs have continued to not intentionally flood, resulting in 186.49 acres of dry land.

In 2021, Blue Beyond Fisheries in Desert Hot Springs was served abatement papers and have reduced source sites and completed suggested sanitation measures.

**Measure 2:** A list of the drainage source reduction projects that are actively reducing mosquito breeding and therefore any risks that would have been associated with pesticide applications. This list may include projects completed in previous years that are still functioning.

The eastern half of the valley is primarily agricultural and contains 70 miles of open channels that convey water from the subsurface tile drain system and storm water to the Salton Sea. Between scheduled maintenance, channels grow vegetation which may create places for mosquitoes to breed. The Coachella Valley Water District is the agency primarily responsible for maintaining these channels. In 2012, we began working with CVWD to prioritize channel maintenance schedules. Seventeen channels have been cleared or restored since 2012, consisting of 155,450 linear feet and impacting 169.2 acres of potential breeding.

In 2020, a drainage area around the City of Cathedral City Library was cleared in partnership with the Department of Public Works. Work on this continued in 2021, and the drainage has improved.

In 2021, Bighorn Country Club worked with a District employee to reduce sources in houses that are occupied seasonally. The property management has improved maintenance and access to reduce mosquito sources.

**Measure 3:** A list of the names and numbers of municipalities, agencies, agricultural land owners, and other members of the public that are performing Best Management Practices to reduce vector development. This may include changes in irrigation to agricultural lands, water management practices on golf courses for ant control, and water and waste management practices at nurseries.

The District works with municipalities, agencies, agricultural land owners, and other members of the public to reduce vector development. Because of the District's extensive work in previous years, this list is unchanged from our 2018 report.

Mosquito issues: City of Cathedral City, City of Coachella, City of Desert Hot Springs, City of Indian Wells, City of Indio, City of La Quinta, City of Palm Desert, City of Palm Springs, City of Rancho Mirage, Community of Bermuda Dunes, Community of Mecca, Community of Northshore, Community of Oasis, Community of Thermal, Community of Thousand Palms,

Coachella Valley Water District, County of Riverside, California Department of Public Health, California Department of Fish and Wildlife, University of California Extension Service, California Department of Food and Agriculture, Agua Caliente Band of Cahuilla Indians, Cabazon Band of Mission Indians, Torres Martinez Desert Cahuilla Indians, Twenty-Nine Palm Band of Mission Indians, US Fish and Wildlife, Artesian Duck Club, Coldwater Duck Club, Mecca Land Duck Club, Model A Duck Club, Sunrise Marsh, LLC, 26<sup>th</sup> Corporation, Adohr's Duck Club, Middlefarms Duck Club, Northwind Duck Club, North Shore Duck Club, Cocopah Date Farm, Hadley Dates, Oasis Dates, Bagdesarian Ranch, Desert Mist Ranch, Primetime Industries, Blue Beyond Fisheries, Desert Sea Farms, Golden Pond Fishery, Inc., Sunshine Forest, Inc., Kent Sea Tech Corp., Tres Rios Duck Club, Pintail Duck Club, 1 private homeowner, Palm Valley Country Club, the Desert Cities Homeowner Association Council, Outdoor Resorts Motorcoach Park, and Safari Mobile Home Park.

Flies: C and R Farms, Living Desert, SA Recycling, University of California Extension Service, California Department of Food and Agriculture, Prime Time Farms, Andalusia at Coral Mountain Golf Course, The Palms Golf Club, and Trilogy Golf Club.

## **ACTIVITY 2: VECTOR AND DISEASE SURVEILLANCE**

As part of the District's IVM program, surveillance is a key component that drives the use of pesticides in appropriate doses and locations. Prior to any pesticide application, confirmation is made of the number and species of vector. For mosquito control, surveillance is also conducted for the pathogens which cause disease in the public, e.g., the viruses that cause West Nile Encephalitis, St. Louis Encephalitis, and western equine encephalomyelitis. Detection of high numbers of adult mosquitoes and virus drives the District Risk Modeling and Operational Strategy, where focused applications of adulticides are made to protect vulnerable members of the public.

**Measure 1:** The number of days we apply control products for adult mosquito control. For Ultra Low Volume (ULV), the amount of acreage covered and the amount of product used. For barrier applications, the linear feet covered or the acreage covered and the amount of product used. For catch basin adulticiding, the number of control application spots, the number of areas or neighborhoods covered, and the amount of product used.

In 2021, the District used adulticide products 164 days, 14 more days than in 2020.

We applied 71.2 gallons of Aqua-Reslin, 140 gallons of Duet, and 68.1 gallons of EverGreen 5-25 to cover 40,802 acres on 20 nights using Ultra Low Volume methods through helicopter-mounted sprayers. We did not use ULV application methods on truck-mounted sprayers in 2021. In residential yards, we used 0.092 gallons of Aqua-Reslin using backpack sprayers for ULV applications for *Aedes* treatments, down from 0.39 gallons in 2020.

Using barrier sprays, we applied 2.67 gallons of Demand CS to 15.7 acres over 10 days in response to high mosquito collections as well as WNV and SLEV positive samples. We applied

0.67 gallons of Demand CS to backyards for control of *Aedes* mosquitoes, a decrease from 1.09 gallons in 2020.

Applications for adult mosquito control also included 6 neighborhoods where catch basins were treated for adults at 20 specific catch basins. We used 0.0011 gallons of Aqua-Reslin in these treatments.

**Measure 2:** The number of nights we trapped for adult mosquitoes and the number of trap-nights, where a trap-night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap-nights). Numbers will be specific to *Culex* mosquitoes and to invasive *Aedes* mosquitoes, as they vector different diseases and require different control strategies.

We trapped on 125 nights for *Culex* surveillance for a total of 3,448 trap nights where a trap night is one night for which a trap is set (for example, four traps set for three nights equals 12 trap nights). Additional surveillance for *Aedes* was performed on 143 nights for a total of 3,165 trap-nights. This brings us to a combined total of 144 nights of trapping (CO2, gravid, and BG-Sentinel traps) for 6,613 total trap nights. This is approximately the same as 2020 (6,477 traps for 138 nights for 6,477 trap-nights).

**Measure 3:** The number of inspections made for larval mosquitoes.

We made 54,294 inspections for larval mosquitoes, a 21.5% increase.

**Measure 4:** The number of applications made for larval mosquitoes and the amount of chemical used.

We made 27,851 applications to control larval mosquitoes, which includes treatments as a result of invasive *Aedes* inspections. The total number of treatments is a 12.32% increase in individual treatments. Total acreage treated was 61,732.65 acres for larval mosquitoes.

Product Name	EPA Registration Number	2021 Amount Used	Percent Change
Agnique MMF	53263-28	29.54 gallons	3,111.20%
Altosid Briquets	2724-375	183 briquettes	-68.82%
Altosid Liquid	2724-392	0.82 gallons	-67.07%
Altosid Pellets	2724-448	72.67 pounds	-97.14%
Altosid P35	89459-95	3,336.92 pounds	1,891.84%
Altosid XR Briquets	2724-421	537 briquettes	-2.72%
Aquabac 200G	62637-3	2,153.86 pounds	-63.30%
Censor	8329-80	4,301.16 pounds	7.96%
Duplex G	89459-93	1.65 pounds	New in 2021
FourStar Briquet 180d	83362-3	21 briquettes	-86.36%

In2Mix	91720-1	325 sachets	-9/72%
Kontrol	73748-10	47.30 gallons	185.28%
MetaLarv S-PT	73049-475	392.57 pounds	-65.83%
MetaLarv XRP	73049-475	157 pouches	New in 2021
Natular 2EC	8329-82	4.16 gallons	-74.91%
Natular G	8329-80	404.97 pounds	-72.98%
Natular G30	8329-83	2,476.16 pounds	-16.90%
Natular T30	8329-85	76 tablets	-86.31%
Natular XRT	8329-84	845 tablets	-33.83%
Spheratax WSP	84268-2	12 pouches	-96.99%
SumiLarv 0.5G	1021-2819	33 pounds	3,448.39%
VectoBac 12AS	73049-38	22.44 gallons	-72.80%
VectoBac G	73049-10	5,809.11 pounds	237.93%
VectoBac WDG	73049-56	3,783.47 pounds	-12.12%
VectoLex WDG	73049-57	0.24 pounds	-31.43%
VectoLex WSP	73049-20	0 units	-100.00%
VectoMax FG	73049-429	5,805.04 pounds	365.72%
VectoMax WSP	73049-429	4 pouches	0.00%

**Measure 5:** The number of dead birds tested for virus and the number of dead birds positive for virus.

We tested 4 dead birds for WNV and found 0 positives. This is 1 fewer bird tested than in 2020.

**Measure 6:** The number and timing of mosquito samples collected for disease surveillance and the number and timing of positive mosquito samples.

Date Ranges	2-Week Period	Total samples tested	<i>Culex</i> samples tested	WNV positive samples	SLEV positive samples	<i>Aedes</i> samples tested	CDZ* positive samples
01/03/21-01/16/21	1	42	42	0	0	0	0
01/17/21-01/30/21	2	0	0	0	0	0	0
01/31/21-02/13/21	3	31	31	0	0	0	0
02/14/21-02/27/21	4	8	7	0	0	1	0
02/28/21-03/13/21	5	84	84	0	0	0	0
03/14/21-03/27/21	6	187	185	0	0	2	0
03/28/21-04/10/21	7	289	282	0	0	7	0
04/11/21-04/24/21	8	279	271	0	0	8	0
04/25/21-05/08/21	9	263	251	0	0	12	0

05/09/21-05/22/21	10	288	270	0	0	18	0
05/23/21-06/05/21	11	370	354	0	0	16	0
06/06/21-06/19/21	12	298	279	0	0	19	0
06/20/21-07/03/21	13	287	265	0	0	22	0
07/04/21-07/17/21	14	223	196	1	0	27	0
07/18/21-07/31/21	15	205	177	8	5	28	0
08/01/21-08/14/21	16	245	216	18	0	29	0
08/15/21-08/28/21	17	379	336	40	10	43	0
08/29/21-09/11/21	18	424	372	23	1	52	0
09/12/21-09/25/21	19	423	374	6	2	49	0
09/26/21-10/09/21	20	504	459	4	5	45	0
10/10/21-10/23/21	21	381	349	1	0	32	0
10/24/21-11/06/21	22	436	405	2	0	31	0
11/07/21-11/20/21	23	325	299	1	1	26	0
11/21/21-12/04/21	24	186	170	0	0	16	0
12/05/21-12/18/21	25	10	8	0	0	2	0
12/19/21-1/1/22	26	0	0	0	0	0	0
	<b>Totals</b>	<b>6167</b>	<b>5682</b>	<b>104</b>	<b>24</b>	<b>485</b>	<b>0</b>

This is a 16% decrease in the number of samples tested, reflecting the increase in virus activity from 2020. *Aedes* pools which were tested for arboviruses such as chikungunya, dengue, and Zika \*(CDZ).

**Measure 7:** The percentage of infestation of red imported fire ants at inspected locations.

Inspections done to determine if treatment is needed showed that 95% of sites surveyed did have red imported fire ants.

**Measure 8:** The percent reduction of red imported fire ants at follow-up visits.

Follow-ups to sites showed that there was a 70% reduction in the fire ants.

**Measures 9 and 10:** The number and location of traps used for fly surveillance. An estimate of the number and timing of flies trapped for the year.

No traps were set for fly surveillance this year and no flies were identified or counted for fly surveillance.

### **ACTIVITY 3: BIOLOGICAL CONTROL**

The District conducts biological control where feasible, using mosquitofish reared on site. Biological control agents are stocked on private property in accordance with California Department of Fish and Wildlife Policy.

**Measure 1:** The number of mosquitofish stocked.

We stocked **2,231** mosquitofish (a 16% decrease; in 2020, 2,586 mosquitofish were stocked).

**ACTIVITY 4: TRAINING VECTOR CONTROL STAFF**

District technicians are highly trained individuals who daily use techniques to reduce pesticide risk. As certified California Vector Control Technicians, staff receives training in biennial cycles on pesticides, mosquitoes, other invertebrates, and vertebrates of importance to public health as approved and required by the California Department of Public Health. In addition, staff is also trained in-house on standard operating procedures, including but not limited to, spill prevention and clean-up, identification of protected species, and calibration of equipment.

**Measure 1:** The number of certified VCTs on staff was **51** as of December 31, 2021. This is one more VCTs than at the same time the previous year.

**Measure 2:** The type of training received annually. This may include annual conferences, college programs, special training, and in-house training.

Outside Training:

<b>Training</b>	<b>Number of Attendees</b>
California Special Districts Association Annual Conference	3
California Special Districts Association Clerk of the Board Annual Conference	1
California Public Employers Labor Relations Association	1
California Association of Public Information Officials	1
Entomological Society of America Annual Conference	2
Mosquito and Vector Control Association of California Annual Conference (online)	45
National Information Officers Association	1
American Mosquito Control Association Annual Conference (online)	48
Society for Vector Ecology	2

In-house Training:

<b>TRAINING</b>	<b>DATE</b>	<b>ATTENDEES</b>
<b>Department Specific</b>		
N-Series - Annual Pesticide Handler Safety Training	1/21/2021	50
Labels and Safety Data Sheets	1/21/2021	50
Control Product Use and Selection	2/11/2021	50
Resistance Management and Product Rotation	2/11/2021	50
Respirator Use and Fit	2/11/2021	50

Listed Species, CEQA, and NPDES	2/11/2021	50
Safe Pesticide Handling and Personal Protective Equipment	2/11/2021	50
Spill Prevention and Clean-up	2/11/2021	50
Recognizing and Preventing Heat Stress	2/11/2021	50

*\*The date above reflects when the initial training was given. Additional or make-up trainings may have occurred at later dates. Videos of all trainings are on Employee Portal.*

### **ACTIVITY 5: PUBLIC OUTREACH**


The District believes that educating members of public is important in reducing pesticide risk. As the public becomes better informed about vectors and vector control issues, vector populations will be reduced and applications of chemicals will be reduced.

**Measure 1:** The number of IVM brochures and flyers distributed for the calendar year was **almost 31,500**. These materials include invasive *Aedes* warning notifications sent by mail or delivered door-to-door, and brochures and informational handouts distributed at presentations and events, all including IVM messaging. This is an increase from 2020 when 8,000 IVM information materials were distributed and is nearly the same as 2019 (33,000 materials distributed).

**Measure 2:** Amidst the pandemic year, District staff was still able to conduct 94 outreach activities in 2021 that covered the topics of IVM, environmental stewardship, or PESP, reaching around **3,000** people. This includes virtual presentations and reporting. We performed 30 outreach activities in 2020.

**Measure 3:** The number of paid TV, radio, and newspaper spots was 2,113 in 2021, an increase of more than 600 spots from 2020. When adding each media outlet's reach, the total reach was over 1,000,000. The District's website traffic totaled almost 61,000 pageviews. The most visited pages included the employment page and vectors of concern. Social media also plays a role in public education. A multitude of social media engagements and advertisements enjoyed plentiful reach. In 2021, Twitter saw total audience reach of 320,000, Facebook 120,000, and Instagram saw a reach of 30,000 respectively.



	<p><b>Coachella Valley Mosquito and Vector Control District</b></p> <p><b>Staff Report</b></p>	<p><b>March 9, 2021</b></p>
<p><b>Agenda Item:</b> Informational Item</p> <p>California Environmental Quality Act (CEQA) Mitigated Negative Declaration Annual Compliance Report – <b>Jennifer A. Henke, M.S., Laboratory Manager</b></p>		
<p><b>Background:</b></p> <p>On October 11, 2011, the Board of Trustees of the Coachella Valley Mosquito and Vector Control District approved a Mitigated Negative Declaration regarding District activities, specifically its Integrated Vector Management Program (Resolution 2011 – 18). Pursuant to Section 21081.6 of the Public Resources Code and the CEQA Guidelines Section 15097, a public agency is required to adopt a monitoring and reporting program for assessing and ensuring compliance with the required mitigation measures applied to a proposed project for which a mitigated negative declaration has been prepared. As stated in the Public Resources Code:</p> <p style="text-align: center;"><i>“...the public agency shall adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.”</i></p> <p>The District is required to self-monitor continuously and to complete an annual Compliance Report. The summary of the report is attached.</p>		
<p><b>Exhibits:</b></p> <ul style="list-style-type: none"> <li>• 2020 CEQA annual report executive summary</li> </ul>		

Coachella Valley Mosquito and Vector Control District  
43-420 Trader Place, Indio, CA 92201

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CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)  
MITIGATED NEGATIVE DECLARATION  
2021 ANNUAL COMPLIANCE REPORT

**BACKGROUND**

The California Environmental Quality Act (CEQA) requires public agencies to conduct an environmental review to determine the cumulative impact of their activities on the environment. The Coachella Valley Mosquito and Vector Control District (hereafter, the District) conducted an Initial Study in July 2011 to determine the cumulative effects of its Integrated Vector Management Program to all parts of the District's jurisdiction (Project). In the Initial Study, the District determined that the Project could have a significant impact on the environment that could be made not significant through mitigation. Thus, the District prepared and adopted a Mitigated Negative Declaration on October 11, 2011.

As part of its Mitigated Negative Declaration, the District, in accordance with Section 21081.6 of the Public Resources Code and the *CEQA Guidelines* Section 15097, adopted a monitoring and reporting program for assessing and ensuring compliance with the required mitigation measures applied to its Project. This is the Annual Compliance Report detailing the monitoring which took place in 2021.

The District followed the Mitigation Monitoring and Reporting Program outlined in the Mitigated Negative Declaration. The District determined what actions would indicate compliance with the Mitigation Measure. What follows are the mitigation measures listed in the Mitigated Negative Declaration, the actions indicating compliance from the Mitigation Monitoring and Reporting Program, and a summary of what occurred in 2021. Overall, the District complied with the Mitigation Monitoring and Reporting Program, ensuring that its Integrated Vector Management Program did not have significant impact on the environment.

**Mitigation Measure 1:** *The District does not conduct routine control activities within 18 designated CVMSHCP conservation areas. The District conducts surveillance and control measures within the Coachella Valley Storm water Channel and Delta, and small residential communities found within the Thousand Palms and West Deception Conservation areas.*

Action indicating compliance: The District will maintain a map of the areas that may be impacted by surveillance and control measures. The Laboratory Manager will create a report using the Mosquito Mobile information to create a record of inspections and treatments made to the Coachella Valley Storm Water Channel and Delta, Thousand Palms, and West Deception Conservation Areas. A copy of this report will be available upon request.

2021 activity: The District made 227 applications of larval mosquito control products to duck clubs and Salton Sea marshes (44 sites) within the Coachella Valley Storm Water Channel and Delta. Applications were made in accordance with the District's Larval Control Procedures and the District Recommended Rates. The District made 20 applications of adulticide products by aerial ULV and 3 applications by barrier methods to duck club and Salton Sea marshes to areas within and adjacent to the Coachella Valley Storm Water Channel and Delta. Applications were conducted according to the District's Mosquito-borne Surveillance and Emergency Response Plan using the District Recommended Rates. The District made 1 application for red imported fire ant (RIFA) control and 1 application for *Aedes* mosquito control (with 2 products for the mosquito control), both to separate private residences within a conservation area.

**Mitigation Measure 2:** *The District shall comply strictly with control product labels that are written to ensure that no significant impact to biological resources can occur.*

Actions indicating compliance:

- An annual refresher course organized by the Operations Manager to discuss products and District recommended applications will be conducted.
- The Operations Manager, Field Supervisors, and Lead Technicians examine the Mobile information for discrepancies. These are then reviewed with the technician by the Field Supervisor. A file of these discrepancies and the recommendation for improvement is kept by the Operations Manager.
- Reports of non-compliance with control product labels are made to the Riverside County Agricultural Commissioner by the Operations Manager.

- Monthly reports of product usage are made by the Operations Manager to the Riverside County Agricultural Commissioner.

2021 activity: The District conducted training on products, including the N-Series (January 21, 2021); product labels and Safety Data Sheets (January 21, 2021); District recommended rates; Spill Prevention and Clean-up; Safe Pesticide Handling; Respirator Fit Test; and Preventing Heat Stress (all five on February 11, 2021). In 2021, these trainings were recorded and placed on the employee web portal to allow employees greater access to review material as needed, in addition to the annual training. Monthly reports of product use were made to the County Agricultural Commissioner.

**Mitigation Measure 3:** *Project activities shall be highly selective in space and time, based on a detailed list of potential mosquito sources, pre-control surveillance for mosquito abundance, and threshold criteria for control applications.*

Action indicating compliance: A file will be made available for review at the front desk that will include the annual map of all known sources, the location of adult surveillance traps, the location of larval surveillance (using the mosquito inspections from the CVT Mobile Application), and the District thresholds for treatment (both larval and adult procedures).

2021 activity: Maps and thresholds are available on request.

**Mitigation Measure 4:** *The District's field technicians shall be certified by the California Department of Public Health Services as highly-trained control product applicators and required to complete frequent continuing education sessions sponsored by the District and by the Mosquito & Vector Control Association of California pursuant to State Regulations.*

Action indicating compliance: A file containing copies or scans of all technician certifications will be made and will be located at M:\CEQA. This file will include information on the continuing education sessions completed by the technicians.

2021 activity: Information on technician certification is available upon request.

**Mitigation Measure 5:** *The Project is routinely monitored for safety, efficacy, and environmental impact by the District's Supervisors and General Manager, by the Riverside County Agricultural Commissioner, and other Trustee and Responsible agencies.*

Action indicating compliance:

- The District's Supervisors and General Manager will review the annual safety report created by the Safety Officer of the District, the annual report on quality control created by the Vector Ecologists, and the annual report created by the Laboratory Manager.
- The District will keep a copy of the report made by the Riverside County Agricultural Commissioner on file.
- The District will keep a copy of the report made by the California Department of Public Health on file.

2021 activity: Reports on safety, quality control, and environmental compliance were made to the General Manager. The Vector-Borne Disease Section of the California Department of Public Health last reviewed the District's Program on December 10, 2021; no recommendations were made. The District was inspected by the Riverside County Agricultural Commissioner on August 20, 2020; no recommendations were made.

**Mitigation Measure 6:** *The District and the Mosquito & Vector Control Association of California will routinely fund and collaborate with researchers from the University of California and other academic institutions on research projects to evaluate activities and to ensure that practices are used with the least potential impact on biological resources consistent with operational requirements.*

Action indicating compliance: A copy of the annual budget and annual reports completed by these researchers will be available.

2021 activity: The District funded four researchers in 2021 and one additional researcher extended their project from 2019. Copies of their annual reports are available on request.

**Mitigation Measure 7:** *Project activities shall be consistent with the Riverside County General Plan's Conservation Element, and the Coachella Valley Multiple Species Habitat Conservation Plan, California and Federal Endangered Species Act and City General Plans in the Service Area.*

Action indicating compliance:

- The Laboratory Manager will review these plans and inform the District of any changes that need to be made to the Project's activities.

- The Laboratory Manager will conduct annual training of the District's employees to inform them of species that are listed as endangered.

2021 activity: The Laboratory Manager provided all field staff with training and updated manuals on Federal and State Listed Species on February 11, 2021.

**Mitigation Measure 8:** *District staff shall coordinate and consult with other responsible agencies, including the California Department of Health Services, the California Department of Fish and Game, and the Bureau of Land Management to ensure that Service Area activities do not result in significant impacts to biological resources.*

Actions indicating compliance:

- A copy of the cooperative agreement with California Department of Health Services is updated annually and available. This is coordinated by the General Manager.
- A copy of the permits awarded by the California Department of Fish and Wildlife (CDFW) is available. Permits are updated as needed by the Laboratory Manager
- The Laboratory Manager will obtain a MOU from the Bureau of Land Management if necessary.

2021 activity: When applying to the California Department of Fish and Wildlife for a permit for 2012, the District was informed that a permit was not needed to stock private water:

In California Code of Regulations, Title 14, Section 238.5 (f) the following is stated:

"In Inyo and Mono counties, and in public waters of San Bernardino, Riverside and Imperial counties, mosquitofish may not be planted without the written concurrence of the department".

No work was conducted requiring an MOU from the Bureau of Land Management. A copy of the agreement with the California Department of Public Health for 2021 is available on request.

**Mitigation Measure 9:** *The movement of All Terrain Vehicles (ATVs) shall be guided by the ground crew to avoid any damage to wildlife, if present. The use of ATVs by the District shall not have a significant effect on the environment by limiting its activities to*

*agricultural areas such as irrigated date gardens. In the spring months on the west side of the Salton Sea, use of the ATV's shall be limited to existing dirt roads around the flooded areas of fishery ponds. The District staff shall use existing dirt roads around the fish farm ponds and shall enter only those open areas under the salt grass in the vicinity of the fish farm ponds. In the fall months the use of ATVs shall be limited to sites such as duck club ponds that are man-made.*

Actions indicating compliance:

- The Administrative Clerk will maintain a record of where District staff use ATVs from the key log of the Lead Technicians.
- The Field Supervisors and Fleet Maintenance Staff train the technicians annually on the proper use of ATVs as well as the appropriate habitats in which they should be used.

2021 activity: The District used ATVs forty-three times during breeding season (March – June) near the shoreline to examine the need for an aerial application and to make applications in response to West Nile virus positive samples. Use was restricted, and staff watched for signs of wildlife. Otherwise, ATV use in the spring and early summer was restricted to agricultural fields. ATVs were used in the duck clubs during the late summer, fall and winter. Eighteen employees were trained September 30, 2021, which is the annual training in preparation for increased used in duck hunting club and shoreline habitats.

**Mitigation Measure 10:** *The District shall use mosquitofish (*Gambusia affinis*) only in private man-made bodies of water for mosquito control – neglected pools.*

Action indicating compliance: The District Biologist will provide a report of the use and location of mosquitofish stocking.

2021 activity: Mosquitofish were stocked in neglected swimming pools, ornamental ponds, and water troughs. Fish were used in man-made bodies of water for mosquito control. A map of treatments is available upon request.

**Mitigation Measure 11:** *The District shall maintain a California Department Fish and Game (CDFG) Permit for mosquitofish stocking.*

Action indicating compliance: A copy of the permit is available at the front desk.

2021 activity: See Mitigation Measure 8.

**Mitigation Measure 12:** *The District shall plant mosquitofish only in temporary man made wetlands that are covered by a CDFG permit which include Sections 19, 28, 29, 30, 31, Township 7, Range 9.*

Actions indicating compliance:

- A copy of the permit is available at the front desk.
- The District Biologist will provide a report of the use and location of mosquitofish stocking.

2021 Activity: See Mitigation Measures 8 and 10.

**Mitigation Measure 13:** *The District shall not plant mosquitofish in the following Desert Pupfish refugia ponds:*

- McCallum/Simone pond and Visitor center pond or any water course at the Thousand Palms Preserve, along Thousand Palms Canyon Drive.*
- The Seep pond, the Oasis pond or the Cienega (Sonoran) pond located at the Living Desert Zoological Gardens.*
- The small pond behind the Salton Sea State Park Headquarters.*
- Any pond or watercourse located at the Dos Palmas Preserve.*

Action indicating compliance: The District Biologist will provide a report of the use and location of mosquitofish stocking.

2021 Activity: See Mitigation Measure 10.

**Mitigation Measure 14:** *When mosquito numbers exceed District control thresholds and other control methods would be ineffective, contrary to permits or other environmental protections, or otherwise inappropriate, the District shall utilize only those specific insecticides that are registered for use in California and that possess a current EPA label.*

Action indicating compliance: A copy of the current pesticide labels will be available.

2021 Activity: Current product labels are posted at [www.cvmosquito.org](http://www.cvmosquito.org).

**Mitigation Measure 15:** *The District shall maintain current and updated maps and other information from the California Department of Fish and Game Natural Diversity Data Base, the Coachella Valley Multiple Species Habitat Conservation Plan, the Bighorn Sheep Recovery Plan and similar sources on the location of Special Status Species and*



*designated Natural Communities in the Service Area.*

Actions indicating compliance:

- The Laboratory Manager will review these plans and inform the District of any changes that need to be made to the Project's activities.
- Copies of these plans are located at the front desk.
- Information from these maps is used by the IT department to maintain digital records of these maps within ArcGIS.

2021 Activity: The District uses the maps available from the Coachella Valley Association of Governments (CVAG). All maps are up to date.

**Mitigation Measure 16:** *The District shall coordinate its activities with approved Habitat Conservation Plans and Species Recovery Plans.*

Actions indicating compliance:

- The Laboratory Manager will review these plans and inform the District of any changes that need to be made to the Project's activities.
- The Laboratory Manager will conduct annual training of the District's employees to inform them of species that are listed as endangered.

2021 Activity: See Mitigation Measure 7.

**Mitigation Measure 17:** *The District shall conduct all its activities consistent with the requirements of the California Department of Fish and Game, the Regional Water Quality Control Board, the US Fish and Wildlife Service and the US Army Corps of Engineers.*

Actions indicating compliance:

- Copies of permits that have been obtained from CDFW and from the State and the Regional Water Quality Control Boards are available at the front desk. These permits are updated as needed by the Laboratory Manager.
- The District will develop a plan for dealing with endangered species that will be submitted to the US Fish and Wildlife Service.
- The District currently does not have any activities that require input from the US Army Corps of Engineers.

2021 Activity: The District maintained its State and Regional Water Quality Control Board permits. The District has not developed a plan for dealing with endangered species, but it is involved in the American Mosquito Control Association which is

creating a Federal position on vector control and endangered species. The District did file a document outlining its mosquito control efforts on property that is intended to be habitat for desert pupfish, *Cyprinidon macularius*, with US Fish and Wildlife Service in 2013 and continues to discuss the location of the pupfish with US and CA Fish and Wildlife Services. The District assisted the CA Fish and Wildlife Service with its population surveys for the desert pupfish, *Cyprinidon macularius*, in 2015 and did not find mosquitoes in areas where the pupfish were present.

**Mitigation Measure 18:** *The District shall maintain policies and programs for the continuing education of field personnel to ensure minimization of specific mosquito control activities and/or the use of alternative mosquito control methods which might impact Special Status Species or designated Natural Communities.*

Actions indicating compliance:

- The District will maintain records of in-house training sessions for staff as well as records of CEUs completed by staff. The District will maintain records of conferences attended by the staff.

2021 Activity: See Mitigation Measures 4 and 17. The freshwater and coastal marshlands are home to the desert pupfish, *Cyprinidon macularius*. According to the Recovery Plan, desert pupfish are omnivorous on algae, plants, invertebrates, and detritus. Desert pupfish prefer slow flowing water with some open vegetation, which is not a source of larval mosquitoes. Thus, there is no reason that mosquito control products for larval mosquitoes would be used in habitats with desert pupfish. Even if they were used, the products are not toxic to fish.



**Coachella Valley Mosquito and  
Vector Control District**

**March 8, 2022**

**Staff Report**

**Agenda Item:** Informational Item

Trustee Travel – **Melissa Tallion, Executive Assistant/Clerk of the Board**

**Background:**

**May 17-18, 2022: The 2022 Special Districts Legislative Days Conference (Sacramento, CA)**

Special Districts Legislative Days is the only opportunity for all types of special districts, to come together with one united voice. Advocacy Focus; explore how decisions are really made in the Capitol and help shape the outcome of special districts' priorities. Policy Focus; Learn from leading experts tackling the biggest challenges facing special districts and interact with state decision-makers moling the policy.

**Requests to attend must be made by April 18, 2022, VIA EMAIL:  
MTALLION@CVMOSQUITO.ORG**

**August 22-25, 2022: CSDA Annual Conference (Palm Desert, CA)**

The CSDA Annual Conference & Exhibitor Showcase is the one conference special district Leaders can't afford to miss! It is the most densely packed educational and networking experience available to special districts. Come together with other special district leaders from across the state to meet with industry suppliers, hear from the best in special district-specific topics with over thirty breakout session options, network with your peers and more at the leadership conference for special districts.

**Requests to attend must be made by July 15, 2022, VIA EMAIL:  
MTALLION@CVMOSQUITO.ORG**

**SAVE THE DATE!**

**January 29, 31, 2023: 91st Annual MVCAC Conference (Anaheim, CA)**

**More information to come!**



## Coachella Valley Mosquito and Vector Control District

March 8, 2022

### Staff Report

**Agenda Item:** Informational Item

Staff report from: MVCAC Annual Conference, February 7-10, 2022, Sacramento, CA

#### **Report:**

The annual meeting of the Mosquito and Vector Control Association of California (MVCAC) is an opportunity for staff to meet with leading mosquito workers from across the state. The association held the meeting in Sacramento, CA. In addition to sessions on the accomplishments of MVCAC in 2021, attendees heard presentations on flea-borne typhus; community outreach and education; ethics and ethical practices; innovation and discovery; mosquito biology; vertebrate animals and vector control; pesticide resistance; operations and technology; and unmanned aerial systems. The meeting ended with the Board Meeting of MVCAC, where several District employees participated as part of their committee responsibilities.

District employees gave the presentations listed below:

#### **Oral Presentations**

**Marisa Kelling**, Vector Control Technician I

- Presented: *Benefits of building a working relationship with homeowner associations for mosquito control in the Coachella Valley*

**Gabriela Perezchica-Harvey**, Vector Ecologist

- Presented: *Field Evaluation of an aerially applied mosquito larvicide.*

**Tammy Gordon**, Public Information Officer

- Presented: *Campaign design 101: how to build a public outreach campaign when using drones for mosquito control*

**Jennifer Henke**, Laboratory Manager

- Organized a session entitled, *Ethics and Ethical Practices in mosquito control*
  - Presented: *Defining our terms – Introducing tools and terms*
  - Presented: *Examining product rates for Aedes control*

#### **Poster Presentations**

• **Jacob Tarango**, Biologist

- Presented: *Semi-Field evaluations of Culex mosquitoes from urban environments*

• **Kim Hung**, Vector Ecologist

- Presented: *Adulticide resistance bottle bioassays for the Cx. quinquefasciatus and Cx. tarsalis*

Presentations at the conference are registered as Continuing Education Units for these licenses, and by attending, employees learned relevant information about mosquito and vector control practices that others in California are employing at their Districts.

**Special Recognition**

Jennifer received the **Presidential Citation Award** for her outstanding service to the Association over the past years. Jennifer has actively contributed to the work of MVCAC and chaired the MVCAC Regulatory Affairs Committee (2017-2020). She led the way by organizing efforts across the state to ensure state regulations did not impede our abilities to protect public health from vectors. Some of this work ranged from dealing with pesticide residue limits or tolerances of certain pesticides on commercially grown cannabis; organizing efforts between mosquito control districts and California Department of Fish and Wildlife on managed wildlife areas; and ensuring storm water trash capture devices installed across the state protect water while being accessible for mosquito control professionals.

**ATTENDEES:**

Jeremy Wittie, General Manager  
Bobbie Dieckmann, Operations Manager  
Jennifer Henke, Laboratory Manager  
Tammy Gordon, Public Information Officer  
Gabriela Perezchica-Harvey, Vector Ecologist  
Kim Hung, Vector Ecologist

Mike Martinez, Field Supervisor  
Geneva Ginn, Acting Field Supervisor  
Jacob Tarango, Biologist  
Vincent Valenzuela, Lead Vector Control Technician  
Marisa Kelling, Vector Control Technician I



## Coachella Valley Mosquito and Vector Control District

March 8, 2022

### Staff Report

**Agenda Item:** Informational Item

Staff report from: AMCA Annual Conference, February 28-March 4, 2022, Jacksonville, FL

**Report:**

The annual meeting of the American Mosquito Control Association (AMCA) is an opportunity for staff to meet with leading mosquito workers from North America and other countries. This year's plenary session highlights the role of vector biology and vector control as part of the health of the planet and was presented by Dr. Lyric Bartholomey.

*Jennifer Henke, M.S.*, organized a symposium on the AMCA Research Fund as part of her work at the Science and Technology Committee Chair. She presented on the history of the fund, and invited recipients of the award (2017-2021) to share their work as the association looks to the next funding cycle.

*Jennifer* was also invited to speak in a Catch Basin Symposium on the product efficacy work that members of the Laboratory Department have done in catch basins.

This year the AMCA Annual Conference hosted sessions on:

- Education and public relations
- Legislative and regulatory updates
- Larval control and surveillance
- Unmanned aerial systems
- Operational data management
- NASA satellite data
- Social media
- Product efficacy
- Aerial applications and control


**ATTENDEES:**

Jennifer Henke, Laboratory Manager  
Kim Hung, Vector Ecologist  
Tammy Gordon, Public Information Officer

Olde Avalos, Field Supervisor  
Mike Martinez, Field Supervisor  
Ryan Gonzalez, Vector Control Technician I



# **OLD BUSINESS**

	<p><b>Coachella Valley Mosquito and Vector Control District</b></p> <p><b>Staff Report</b></p>	<p><b>March 8, 2022</b></p>
<p><b>Agenda Item:</b> Old Business</p> <p>Continued discussion regarding COVID-19 and returning to in-person meetings – <b>Executive Committee; Jeremy Wittie, M.S., General Manager</b></p>		
<p><b>Background:</b></p> <p>The Executive Committee met on February 22, 2022, and discussed returning to in-person meetings. The Committee did not come to a consensus on this matter and suggested it come to the Board for discussion.</p> <p>On February 28, 2022, the California Department of Public Health website was updated and strongly recommends that all persons, regardless of vaccine status, continue indoor masking. The District is awaiting updated guidelines from CalOSHA and until then the District is requiring all staff and visitors to wear a mask indoors regardless of vaccination status.</p> <p>If the Board of Trustees desires to continue to conduct virtual or hybrid meetings in April and May, the Board will need to hold an abbreviated special meeting via Zoom on or before April 10, 2022, to pass a resolution to do so. The District currently possesses the technological capabilities to hold hybrid meetings.</p>		
<p><b>Recommendation:</b></p> <p>Staff is recommending the Board do what they deem appropriate.</p>		





# **NEW BUSINESS**



**Coachella Valley Mosquito and  
Vector Control District**

**Staff Report**

**March 8, 2022**

**Agenda Item:** New Business

Discussion and/or approval to purchase an Unmanned Aircraft System (UAS), payload and battery systems in an amount not to exceed \$69,000.00, from Leading Edge. Capital Replacement Budget Fund #8415.13.300.000 - Budgeted; Funds Available- **Capital Replacement Edward Prendez, Information Technology Manager**

**Background:**

Unmanned Aircraft Systems (UAS), commonly known as drones, are aircraft without a human pilot onboard that are controlled by an operator on the ground and are operated without the possibility of direct human intervention from within or on the aircraft.

In the 2018, the District acquired two (2) drones, a Phantom 4 Pro and a Matrice 600 to gain flight control experience, drone maintenance experience, and aerial map processing. The District contracted with Leading Edge on November 11, 2021, and January 25, 2022, to perform two drone mosquito larvicide applications, consisting of several targeted areas along the Salton Sea Shoreline totaling 584 acres.

Staff was able to see firsthand the operational aspects of planning a drone application, operating a drone with a payload, re-filling the payload, changing batteries and how a drone is utilized to provide targeted applications to water sources versus the traditional wide area helicopter application.



The District is challenged with a receding Salton Sea shoreline which continues to create shallow bodies of water suitable for increased mosquito breeding in remote and difficult to reach areas. Drones provide the capability of reaching these sources with reduced impact to the environment by our off-road equipment while also increasing the safety for our Vector Control Technicians. Drones will also be utilized to assist our field staff in mosquito control operations in duck club and agricultural mosquito habitats. In the future, use of drones to make applications to control Red Imported Fire Ant will be evaluated.

**Staff Recommendation:**

Authorize the approval purchase of an Unmanned Aircraft System (UAS), payload and battery systems in an amount not to exceed \$69,000.00, from Leading Edge.

**Fiscal Impact:**

FY2021-22 Budget GL # 8415.14.300.000	Current Available Funds	Proposed Expense Fiscal Year 2021/22	Remaining Available Funds
<b>\$161,452</b>	<b>\$114,739</b>	<b>\$69,000</b>	<b>\$45,739</b>