



155 Mason Circle  
Concord CA 94520  
phone (925) 685-9301  
fax (925) 685-0266  
[www.contracostamosquito.com](http://www.contracostamosquito.com)

**BOARD OF TRUSTEES**  
**\*\*MONDAY, MARCH 8, 2021\*\***

**7:00 PM**  
**To be held via teleconference – see below**

**IMPORTANT NOTICE REGARDING COVID-19  
AND TELECONFERENCE MEETINGS:**

Pursuant to Governor’s Executive Orders N-25-20, N-29-20, and N-33-20 and the Contra Costa County Public Health Officer Order No. HO-COVID19-03, and guidance from the CDC to minimize the spread of the coronavirus, please note the following changes to the District’s ordinary meeting procedures:

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

**HOW TO OBSERVE THE MEETING**

**Telephone:** Meeting ID: **940 9516 2206**

Listen to the meeting live by calling **(669) 900-9128** and entering the **PASSWORD: 866980**

**Computer or mobile:** Watch or listen to the meeting from a computer with internet access by navigating to <https://zoom.us/j/94095162206?pwd=amp0UXhCSEt3a0Qxc2ludWJnVmVmZz09>

NOTE: This is a public meeting that can be seen and heard live by any member of the public.

**HOW TO SUBMIT PUBLIC COMMENTS**

Please email your comments to [pmacedo@contracostamosquito.com](mailto:pmacedo@contracostamosquito.com), write “Public Comment” in the subject line. In the body of the email, include the agenda item number AND title, as well as your comments. Comments may be made at any time prior to the meeting, or as follows. During the meeting, the Committee Chair or designee will announce the opportunity to make public comments and identify the cut off time for submission. A short recess of less than 5 minutes will take place during the time public comment is open to allow emailed comments to be received and provided to the Chair. Once the public comment period is closed, all comments timely received will be read aloud. Comments received after the close of the public comment period will be added to the record after the meeting.

*Protecting Public Health Since 1927*

**BOARD OF TRUSTEES**

President **PEGGIE HOWELL** Clayton • Vice President **PETER PAY** San Ramon • Secretary **DANIEL PELLEGRINI** Martinez  
Antioch **LOLA ODUNLAMI** • Brentwood **Vacant** • Concord **PERRY CARLSTON** • Contra Costa County **JIM PINCKNEY** **CHRIS COWEN** & **DARRYL YOUNG**  
Danville **RANDALL DIAMOND** • El Cerrito **THOMAS MINTER** • Hercules **DUYLINH NGUYEN** • Lafayette **JAMES FITZSIMMONS** • Moraga **Vacant** • Oakley **MICHAEL KRIEG** • Orinda **KEVIN MARKER**  
Pinole **WARREN CLAYTON** • Pittsburg **RICHARD AINSLEY** PhD • Pleasant Hill **JENNIFER HOGAN** • Richmond **SHIVA MISHEK** • San Pablo **Vacant** • Walnut Creek **JAMES MURRAY**

## ACCESSIBILITY INFORMATION

Board meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact Paula Macedo, General Manager, at least 48 hours before the meeting at (925) 457-8464 or pmacedo@contracostamosquito.com. Advance notification will enable the District to swiftly resolve such requests to ensure accessibility.

## AGENDA

### CALL TO ORDER:

Roll Call

Pledge of Allegiance

1. APPROVAL OF THE AGENDA AS POSTED (OR AMENDED)
2. PUBLIC INPUT ON NON AGENDA ITEMS

This time is reserved for members of the public to address the Board relative to matters of the District NOT on the agenda. No action may be taken on non-agenda items unless authorized by law. Public comments may be submitted as specified above.
3. CONSENT CALENDAR

*Any item may be pulled from the Consent Calendar and separately considered at the request of any Trustee. All items may be acted on by a single motion.*

  - A. Minutes of the regular Board of Trustees Meeting on January 11, 2021 and Board of Trustees Special Meeting on January 25, 2021
  - B. Expenditures for December 2020 and January 2021
  - C. Payroll Expenditures for December 2020 and January 2021
  - D. Investment Activity December 2020 and January 2021
  - E. Financial Report
4. REPORTS
  - A. Legal Counsel
  - B. Board
  - C. General Manager
  - D. Staff
5. ANNUAL OPERATIONS REPORT

6. BOARD COMMITTEE REPORTS

A. Advanced Planning Committee Report

B. Personnel Committee Report

7. BOARD CONSIDERATION AND APPROVAL OF TRUSTEE TRAVEL

\*\*

CLOSED SESSION

8. CONFERENCE WITH LABOR NEGOTIATORS PURSUANT TO CALIFORNIA GOVERNMENT CODE 54957.6(a) TO REVIEW THE DISTRICT'S POSITION ON SALARY AND BENEFITS FOR REPRESENTED EMPLOYEES

Agency Negotiators: Paula Macedo, General Manager, Michael Jarvis, LCW, and Randall Diamond, Chair of the Personnel Committee

Titles: All represented employees (SEIU Local 2021)

RETURN TO OPEN SESSION

REPORT FROM CLOSED SESSION

9. ADJOURNMENT

I hereby certify that the District Board of Trustee Agenda was posted 7 days, before the noted meeting.



Paula Macedo, General Manager

3/01/2021

Date

**CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT**

MARCH 8, 2021 BOARD MEETING

1-2. No comment

3. CONSENT CALENDAR

A. Minutes of the January 11, 2021 Board of Trustees regular meeting and January 25, 2021 Board of Trustees special meeting (*Pages 7-18*) – Approval of Minutes 21-1, Regular Board Meeting, held on January 11, 2021 and Minutes 21-2, Special Board Meeting, held on January 25, 2021.

B. Check Expenditures for December 2020 and January 2021 payroll & accounts payable (*Pages 19-31*) – Approval of expenditures of December 1, 2020 through January 31, 2021 including:

Accounts payable December 15<sup>th</sup> checks No. 028970 through No. 028990

Payroll December 31<sup>st</sup> checks No. 028991 through 028995

Accounts payable December 31<sup>st</sup> checks No. 028996 through No. 029024

Accounts payable January 15<sup>th</sup> checks No. 029025 through No. 029043

Voided Payroll Checks No. 029044 through 029053

Payroll January 29<sup>th</sup> checks No. 029054 through No. 029061

Accounts payable January 29<sup>th</sup> checks No. 029062 through No. 029084

Accounts payable Total: \$316,314.55

Payroll Total: \$1,005.85

C. Direct Deposit (ACH) Expenditures for payroll & accounts payable December 2020 and January 2021 – Approval of payroll expenditures of December 1, 2020 through January 31, 2021 including:

Payroll December 15<sup>th</sup> No. D16976 through No. D17011

Payroll December 31<sup>st</sup> No. D17012 through No. D17050

Payroll January 15<sup>th</sup> No. D17051 through No. D17092

Payroll January 15<sup>th</sup> No. D17093 through No. D17178 (Error skipped entries)

Payroll January 29<sup>th</sup> No. D17179 through No. D17221

Accounts payable December 15<sup>th</sup> No. E02501 through No. E02502

Accounts payable January 15<sup>th</sup> No. E02503 through No. E02503

Accounts payable January 29<sup>th</sup> No. E02504 through No. E02506

Accounts payable Total: \$119,115.59

Payroll Total: \$376,752.01

D. Transaction Activity Report for December 2020 and January 2021 (*Pages 32-33*)

E. Financial Report (*Page 34*)

4. REPORTS -

- A. Legal Counsel
- B. Board
- C. General Manager
- D. Staff – staff reports have been included and staff will be present to answer any questions from the Board (*Pages 35-51*).

5. ANNUAL OPERATIONS REPORT - Scientific Programs Manager Schutz will present the Annual Operations Report, which is also included in the packet (*Pages 52-66*).

6. BOARD COMMITTEE REPORTS

A. Advanced Planning Committee Report – Trustee Murray, Chair of the Advance Planning Committee will report on the meeting held on February 8, 2021. The committee unanimously approved the minutes of the prior meeting, held on May 4, 2020. General Manager Macedo presented an outline and a timeline for the 2021-2025 plan. The committee discussed the proposed plan and the next steps on the process. The committee will meet again on March 22, 2021.

B. Personnel Committee Report – Trustee Diamond, Chair of the Personnel Committee will report on the meeting held on February 22, 2021, at 6 pm. The committee unanimously approved the minutes from the prior meeting that took place on December 21, 2020 before going into a closed session conference with labor negotiators to review the District’s position on salary and benefits for represented employees (California Government Code 54957.6(a)). There was no reportable action from the closed session.

7. BOARD CONSIDERATION AND APPROVAL OF TRUSTEE ATTENDANCE AT THE SPECIAL DISTRICT LEADERSHIP ACADEMY

The SDLA (Special District Leadership Academy) will be held virtually in 2021. Module 1: Governance is recommended for all Trustees and is scheduled for March 24<sup>th</sup> & 25<sup>th</sup>, 2021. Module 2: Setting Direction is scheduled for April 12<sup>th</sup> & 13<sup>th</sup>, Module 3: Boards Role in Finance is scheduled for May 12<sup>th</sup> & 13<sup>th</sup>, and the Boards Role in HR is scheduled for May 26 & 27, 2021.

Per our approved resolution, the President and Vice President are allowed to attend without additional Board approval. However, if any other Trustee would like to attend any of the modules, it needs to be approved by the Board. The cost to attend is \$175/person/module.

Recommendation – Pleasure of the Board.

CLOSED SESSION

8. CONFERENCE WITH LABOR NEGOTIATORS PURSUANT TO CALIFORNIA GOVERNMENT CODE 54957.6(a) TO REVIEW THE DISTRICT'S POSITION ON SALARY AND BENEFITS FOR REPRESENTED EMPLOYEES

Agency Negotiators: Paula Macedo, General Manager, Michael Jarvis, LCW, and Randall Diamond, Chair of the Personnel Committee

Titles: All represented employees (SEIU Local 2021)

RETURN TO OPEN SESSION

REPORT FROM CLOSED SESSION

9. ADJOURNMENT

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT  
BOARD MEETING  
MINUTES NO. 21-1

A meeting of the Board of Trustees of the Contra Costa Mosquito and Vector Control District was held on Monday, January 11, 2021, via teleconference pursuant to Governor’s Executive Orders N-25-20, N-29-20, and N-33-20 and the Contra Costa County Public Health Officer Order No. HO-COVID19-03, and guidance from the CDC to minimize the spread of the coronavirus.

TRUSTEES PRESENT      Perry Carlston, President  
                                  Lola Odunlami, Vice President  
                                  Daniel Pellegrini, Secretary  
                                  Richard Ainsley  
                                  Warren Clayton  
                                  Chris Cowen  
                                  Randall Diamond  
                                  Jim Fitzsimmons  
                                  Jen Hogan  
                                  Peggie Howell  
                                  Michael Krieg  
                                  Kevin Marker  
                                  Thomas Minter  
                                  Shiva Mishek  
                                  James Murray  
                                  Peter Pay  
                                  Jim Pinckney  
                                  Darryl Young

TRUSTEES ABSENT      Duy Nguyen

VACANCIES              Brentwood  
                                  Moraga  
                                  San Pablo

OTHERS PRESENT      Paula Macedo, General Manager  
                                  Maria Bagley, Administrative Services Manager  
                                  Natalie Martini, Administrative Analyst II  
                                  Douglas Coty, Legal Counsel  
                                  David Alvey, Maze & Associates

CALL TO ORDER

President Carlston called the meeting to order at 7:01 p.m.

ROLL CALL

A roll call indicated that 18 Trustees were present, one was absent, and there are three vacancies.

1. APPROVAL OF THE AGENDA AS POSTED

\*\* Motion was made by Trustee Diamond and seconded by Trustee Ainsley to approve the agenda as posted. *Motion passed unanimously.*

2. PUBLIC INPUT ON NON-AGENDA ITEMS – None

3. PRESENTATION – Trustee Shiva Mishek was appointed as Trustee by the City of Richmond. She spoke about her background and stated she has resided in Richmond for approximately two years, and lived in New York for several years prior to that. Trustee Mishek understands the importance of mosquito and vector control operations and is looking forward to learning more about operations within Contra Costa County.

4. CONSENT CALENDAR

A. MINUTES – Approval of Minutes 20-6, Regular Board Meeting, held on November 9, 2020.

B. EXPENDITURES –Approval of expenditures of October 1, 2020 through November 30, 2020 including:

- Accounts payable October 15<sup>th</sup> checks No. 028855 through No. 028881
- Payroll checks No. 028882 through 028884
- Voided Payroll Checks No. 028885 through 028887
- Accounts payable October 30<sup>th</sup> checks No. 028888 through No. 028910
- Accounts payable November 13<sup>th</sup> checks No. 028911 through No. 028937
- Payroll checks No. 028938 through 028946
- Accounts payable November 30<sup>th</sup> checks No. 028947 through No. 028969

Accounts Payable Total: **\$259,518.88**

Payroll Total: **\$748.72**

C. DIRECT DEPOSIT EXPENDITURES FOR PAYROLL & ACCOUNTS PAYABLE OCTOBER & NOVEMBER 2020 – Approval of payroll expenditures of October 1, 2020 through November 30, 2020, No. D16817 through No. D16975, in the amount of \$364,206.73.

D. TRANSACTION ACTIVITY REPORT FOR OCTOBER & NOVEMBER 2020

E. FINANCIAL REPORT

\*\* Motion was made by Trustee Pellegrini and seconded by Trustee Pinckney to approve the consent calendar. *Motion passed unanimously.*



5. ACTION ITEMS

A. District FY 19/20 Financial Audit and Memorandum on Internal Control – Chair Fitzsimmons provided the Board with an update from the Audit Committee special meeting held on December 7, 2020, where they met with the auditor, David Alvey, Maze & Associates and discussed the final audit for FY 19/20. The committee recommended the final audit to the Board for approval.

\*\* A motion was made by Trustee Diamond and seconded by Trustee Howell to accept the Report on District FY 2019/2020 Financial Audit and Memorandum of Internal Control. *Motion passed unanimously.*

B. Board Nomination and Election of 2021 Officers for Board President, Vice President, and Secretary – the eligibility list for each office and the Resolution 20-4, adopting a Revised Procedure for Election Board Officers, were provided to Trustees.

\*\* Motion was made by Trustee Carlston and seconded by Trustee Pinckney to nominate Trustee Peggie Howell for 2021 President. *Motion passed 17 to 1. Trustee Howell abstained from this item.*

Ayes: Ainsley, Carlston, Clayton, Cowen, Diamond, Fitzsimmons, Hogan, Krieg, Marker, Mishek, Minter, Murray, Odunlami, Pay, Pellegrini, Pinckney, Young.

Noes: None

Absent: Nguyen

Abstain: Howell

\*\* Motion was made by Trustee Carlston and seconded by Trustee Fitzsimmons to nominate Trustee Peter Pay for 2021 Vice President. *Motion passed 17 to 1. Trustee Pay abstained from this item.*

Ayes: Ainsley, Carlston, Clayton, Cowen, Diamond, Fitzsimmons, Hogan, Howell, Krieg, Marker, Mishek, Minter, Murray, Odunlami, Pellegrini, Pinckney, Young.

Noes: None

Absent: Nguyen

Abstain: Pay

\*\* Motion was made by Trustee Carlston and seconded by Trustee Odunlami to nominate Trustee Daniel Pellegrini for 2021 Secretary. *Motion passed 17 to 1. Trustee Pellegrini abstained from this item.*

Ayes: Ainsley, Carlston, Clayton, Cowen, Diamond, Fitzsimmons, Hogan, Howell, Krieg, Marker, Mishek, Minter, Murray, Odunlami, Pay, Pinckney, Young.

Noes: None

Absent: Nguyen

Abstain: Pellegrini

C. Board Consideration and Approval of Committee Charges – the committee charges were reviewed.

\*\* Motion was made by Trustee Pellegrini and seconded by Trustee Odunlami to approve the committee charges. *Motion passed unanimously.*

D. Board Consideration and Approval of Trustee Attendance to the Mosquito and Vector Control Association of California Annual Meeting - per Board resolution, attendance to MVCAC Annual conference is approved for the Board President and Vice President. The 2021 MVCAC Annual conference will be held virtually on February 1-3, 2021, which is a great opportunity for more Trustees to attend. Board authorization is needed for any other Trustees that would like to attend the meeting. Board discussed the opportunity to attend this important conference virtually, at a much lower cost and no travel involved. Interested Trustees should contact the General Manager.

\*\* Motion was made by Trustee Fitzsimmons and seconded by Trustee Odunlami to approve Trustees requesting attendance to the virtual 2021 MVCAC Annual Conference. *Motion passed unanimously.*

E. Board Consideration and Approval of Board Resolution 21-1 Delegating Authority for Destruction of Records According to the Records Retention Policy - the District's Records Retention Policy was approved on November 9, 2020 and at the time the Board also delegated the authority to begin segregation and destruction of records according to the policy to staff, with the recommendation that a resolution be adopted at the January 2021 Board meeting to dispose of the records. The resolution was discussed.

\*\* A motion was made by Trustee Pellegrini and seconded by Trustee Carlston to adopt Resolution 21-1, Delegating Authority for Destruction of Records According to the Records Retention Policy. *Motion passed unanimously.*

F. Personnel Committee Report – Chair Odunlami reported on the Personnel Committee special meeting held on December 21, 2020, when the committee discussed the updates to the Employee Handbook, pay differentials and updates to the job descriptions and proposed salaries of the Administrative Analyst II and Administrative Analyst I.

- i.* Discussion and consideration of the new Employee Handbook – Updates were made to the Employee Handbook and a summary of the changes was provided to Trustees, along with copies of the previous and proposed handbook. The Personnel committee has reviewed the handbook and recommended changes, which were made. The committee is presenting the current version for Board approval, formatting changes and inclusion of table of contents will be allowed after approval.

\*\* Motion was made by Trustee Cowen and seconded by Trustee Clayton to approve the new Employee Handbook, with authorization to the General Manger to make formatting changes where necessary. *Motion passed unanimously.*

- ii.* Discussion and consideration of proposed pay differentials – the committee recommended approval of pay differentials in recognition of unusual competencies, circumstances, increased complexity or skill/knowledge required during the absence of the Accounting and Benefits Specialist.

Employee: Natalie Martini, Administrative Analyst II, 5% pay differential from June 2020 through December 2020.

Employee: Areej Al Bahrani, Administrative Analyst I, 5% pay differential from September 2020 through December 2020.

\*\* Motion was made by Trustee Ainsley and seconded by Trustee Pinckney to approve the 5% differential pay for Natalie Martini, Administrative Analyst II, from June 2020 through December 2020, and 5% differential pay for Areej Al Baharani, Administrative Analyst I, from September 2020 through December 2020. *Motion passed unanimously.*

- iii.* Discussion and consideration of the updated job descriptions for Administrative Analysts I and II and proposed salary adjustments - The District proposed a reclassification of the job descriptions above, following the reconfiguration and streamlined processes in the Administration department. The committee discussed 5% adjustments to the salary ranges accordingly, and is recommending those to the Board for approval.

\*\* Motion was made by Trustee Clayton and seconded by Trustee Cowen to approve the reclassified job descriptions of Administrative Analyst II and Administrative Analyst I and 5% salary increase for both positions. *Motion passed unanimously.*

CLOSED SESSION – 8:08 p.m.

6. CONFERENCE WITH LABOR NEGOTIATORS PURSUANT TO CALIFORNIA GOVERNMENT CODE 54957.6(a) TO REVIEW THE DISTRICT'S POSITION ON SALARY AND BENEFITS FOR REPRESENTED EMPLOYEES

Agency Negotiators: Paula Macedo, General Manager, Michael Jarvis, LCW, and Lola Odunlami, Chair of the Personnel Committee

Titles: All represented employees (SEIU Local 2021)

RETURN TO OPEN SESSION – 8:39 p.m.

REPORT FROM CLOSED SESSION – No reportable action.

Trustee Diamond left the meeting at 8:45 p.m.

7. BOARD AND STAFF REPORTS

A. BOARD – None

B. GENERAL MANAGER – General Manager Macedo mentioned there will be a special meeting of the Board on Monday, January 25, 2021 at 7:00 p.m. to approve the 2021 committee members and meeting calendar. A special meeting is necessary due to upcoming union negotiations, wherein the Personnel Committee will need to meet prior to the usual approval of committees and meetings which typically would happen during the March meeting. General Manager Macedo requested Trustees submit their committee choices by no later than Friday, January 15, 2021, to be reviewed by President Howell prior to finalizing the agenda packet for the January 25<sup>th</sup> special meeting.

General Manager Macedo provided the Board with an update on COVID-19; there have been no new positive cases within the District since the two positive cases in 2020. There was a new COVID prevention policy mandated by OSHA, and the District created a corresponding CPP Policy which was provided to all employees. As this week, the field staff returned to work in the office because of the winter/raining season, with the Board room now converted to accommodate appropriately spaced work stations, separated by polycarbonate dividers. In order to eliminate the number of people in the building at one time, all administrative staff have returned to an alternating schedule between working remotely and working in the office at least one day per week. The best way for the Board to reach administrative staff is via District cell phone due to the alternating work schedules.

CSDA continues efforts for Special Districts to secure access to emergency COVID relief funds, although to date has been unable to secure any access to relief funds since Special Districts are considered under the umbrella of local government and don't qualify to receive the tax credits for the FFCRA leaves that employees had to take in 2020.

The SDLA (Special District Leadership Academy) will be held virtually in 2021, with the Module 1: Governance, recommended for all Trustees and scheduled for March 24<sup>th</sup> & 25<sup>th</sup>. Module 2: Setting Direction, is scheduled for April 12<sup>th</sup> & 13<sup>th</sup>, Module 3: Boards Role in Finance is scheduled for May 12<sup>th</sup> & 13<sup>th</sup>, and the Boards Role in HR is May 26 & 27, 2021. Per Resolutions the President and Vice President are allowed to attend without Board approval, however if any other Trustee would like to attend any of the modules, there will be an action item at the March meeting for approval of Trustee travel to attend the virtual Modules for SDLA Certifications.

General Manager Macedo mentioned that Staff will be presenting talks at an operational symposium at the upcoming virtual MVCAC annual conference and recommended Trustees who are attending the conference to sit in during those operational symposiums.

- C. STAFF – Administrative Analyst II Martini informed the Board that Trustee Fitzsimmons has been reappointed by the City of Lafayette to a four year term and Trustee Howell has been reappointed by the City of Clayton to a two year term.

For the Trustees who have not set up their District Gmail account, please contact Administrative Analyst II Martini for directions on how to forward those emails to their personal accounts now that all District correspondence is sent to the District email addresses.

She also requested that Trustee compensation election forms be returned no later than January 20, 2021, for updated information to the District payroll system before the end of the month payroll run.

Administrative Analyst II Martini mentioned that all authorized Trustee contact information will be sent to Trustees this week. Lastly, she mentioned that the 2020 Conflict of Interest Form 700 filings will be done via NetFile once again, due by April 1, 2021. Trustees were asked to use their personal email accounts for log in purposes.

- D. LEGAL COUNSEL – None

8. ADJOURNMENT – 8:55 p.m.

I certify the above minutes were approved as read or corrected at the meeting of the Board held on March 8, 2021.

Ayes: \_\_\_\_\_

Noes: \_\_\_\_\_

Abstain: \_\_\_\_\_

Absent: \_\_\_\_\_

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Daniel Pellegrini  
2021 Secretary, Board of Trustees

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT  
BOARD MEETING  
MINUTES NO. 21-2

A special meeting of the Board of Trustees of the Contra Costa Mosquito and Vector Control District was held on Monday, January 25, 2021, via teleconference pursuant to Governor's Executive Orders N-25-20, N-29-20, and N-33-20 and the Contra Costa County Public Health Officer Order No. HO-COVID19-03, and guidance from the CDC to minimize the spread of the coronavirus.

TRUSTEES PRESENT      Peggie Howell, President  
Peter Pay, Vice President  
Daniel Pellegrini, Secretary  
Richard Ainsley  
Perry Carlston  
Warren Clayton  
Randall Diamond  
Jim Fitzsimmons  
Jen Hogan  
Michael Krieg  
Kevin Marker  
Shiva Mishek  
James Murray  
Duy Nguyen  
Lola Odunlami  
Jim Pinckney

TRUSTEES ABSENT      Chris Cowen  
Thomas Minter  
Darryl Young

VACANCIES              Brentwood  
Moraga  
San Pablo

OTHERS PRESENT      Paula Macedo, General Manager  
Maria Bagley, Administrative Services Manager  
Steve Schutz, Scientific Program Manager  
Natalie Martini, Administrative Analyst II  
Douglas Coty, Legal Counsel

CALL TO ORDER

President Howell called the meeting to order at 7:01 p.m.

## ROLL CALL

A roll call indicated that 13 Trustees were present, three absent, and there are three vacancies.

### 1. APPROVAL OF THE AGENDA AS POSTED

\*\* Motion was made by Trustee Pellegrini and seconded by Trustee Krieg to approve the agenda as posted. *Motion passed unanimously.*

### 2. PUBLIC INPUT ON NON-AGENDA ITEMS – None

### 3. ACTION ITEMS

A. Approval of District Trustee Committee Members for 2021 - Committee composition was approved by Board President Howell. The District's primary banking institution, Bank of the West, requests documentation (Board meeting minutes) that officially designates Board members who are on the Executive Committee and can thereby sign District checks.

\*\* A motion was made by Trustee Pellegrini and seconded by Trustee Carlston to approve the 2021 committee charges. *Motion passed unanimously.*

B. 2021 Board Meeting Schedule – Board and committee meeting schedules were reviewed.

\*\* Motion was made by Trustee Pellegrini and seconded by Trustee Warren to accept the 2021 Board Meeting Schedule. *Motion passed unanimously.*

### 4. REPORTS

A. BOARD MEMBERS – President Howell mentioned that there are various resources and tutorial videos available on Zoom's website ([www.zoom.us](http://www.zoom.us)) and suggested those may be helpful for future guidance for anyone not familiar with Zoom.

B. GENERAL MANAGER – General Manager Macedo mentioned the District received guidance from the IRS regarding the COVID Relief Fund, which stated that the District is classified as a local government and therefore not eligible to receive any tax credit or refund for COVID related leave/expenses. The District continues to work with CSDA in this effort. Administrative Services Manager Bagley indicated that the District will be working with employees on a case-by-case basis, while still following legal guidance.

General Manager Macedo suggested the inclusion of a short written report for committee meetings, to go into the Board meeting agenda, similar to the departmental staff reports. Staff will work with the committee chairs to assist in



writing a short report for the agenda packet so Trustees have time to think of questions or discussions ahead of the Board meeting, when items are typically discussed or voted on.

Trustees registered to attend the virtual 2021 MVCAC Annual Conference should have received an email from MVCAC and if not, General Manager Macedo requested that they let her know as soon as possible, to make sure the virtual link to join the conference and additional conference information is shared with them.

- C. STAFF – Scientific Program Manager Schutz noted that he provided the Board with a quick review of the 2020 surveillance season at the last Board meeting and not much has changed, other than the notification of a fourth confirmed West Nile human case at the end of 2020.

President Howell inquired why the service requests on the staff reports appeared to be down significantly from the prior year. General Manager Macedo noted there was discussion between staff on this topic and expected to see an increase in service requests since the general public was home during COVID and may have noticed more around their homes, however there was a mixed response from the public wherein some did not want our technicians to come to their home for safety precautions, and staff speculates that residents spending more time at home became more aware at potential issues and maintained their properties more than they may have been in the past. General Manager Macedo also mentioned that the service request statistics noted in the staff reports of the packet only reflect the actual calls to the District and do not identify the regular sources that technicians visit on a constant basis. She has directed staff to work on a better way to report on the work that is done by operations, reflecting all work performed.

President Howell also mentioned that it would be helpful to see the statistics on the Public Affairs reports of social media and website views be compared with numbers from the prior year.

Trustee Clayton suggested changing the scale on the service request graphs to every 1 instead of 0.5.

Trustee Young joined the meeting at 7:23 p.m.

Administrative Analyst II Martini mentioned the Town of Danville has reappointed Trustee Randall Diamond to a four-year term.

- D. LEGAL COUNSEL – None.

5. ADJOURNMENT – 7:33 p.m.

I certify the above minutes were approved as read or corrected at the meeting of the Board held on March 8, 2021.

Ayes: \_\_\_\_\_

Noes: \_\_\_\_\_

Abstain: \_\_\_\_\_

Absent: \_\_\_\_\_

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Daniel Pellegrini  
2021 Secretary, Board of Trustees

Check Register

Journal Posting Date: 12/15/2020

Register Number: CD-000043

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Bank Code: 1

Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
028970	12/15/2020	0000015	Health Care Dental Trust				<b>Check Entry Number: 001</b>
			12/4/2020	12/4/2020	4,702.22	0.00	4,702.22
		<b>G/L Account: 600135-00</b>					Dental Insurance - Active Employees General 1,766.70
		<b>G/L Account: 600136-00</b>					Dental Insurance: Operations 2,935.52
028971	12/15/2020	0000328	PG&E				<b>Check Entry Number: 001</b>
			12/10/2020	12/10/2020	731.53	0.00	731.53
		<b>G/L Account: 505036-00</b>					Utilities Electric:General 731.53
028972	12/15/2020	0000335	Concur Technologies, Inc				<b>Check Entry Number: 001</b>
			12/1/2020	12/1/2020	733.82	0.00	733.82
		<b>G/L Account: 504005-00</b>					I.T Subscriptions:General 733.82
028973	12/15/2020	0000359	SP Automotive				<b>Check Entry Number: 001</b>
			12/1/2020	12/1/2020	775.84	0.00	775.84
		<b>G/L Account: 502002-00</b>					Automotive - Repairs:General 775.84
028974	12/15/2020	0000399	Contra Costa County - Fleet				<b>Check Entry Number: 001</b>
			12/9/2020	12/9/2020	3,567.77	0.00	3,567.77
		<b>G/L Account: 502001-00</b>					Automotive - Gasoline:General 3,567.77
028975	12/15/2020	0000455	Contra Costa County Tax Collector				<b>Check Entry Number: 001</b>
			12/1/2020	12/1/2020	75.00	0.00	75.00
		<b>G/L Account: 505000-00</b>					Assessments & County Fees:General 75.00
028976	12/15/2020	0000482	City of Antioch Marina				<b>Check Entry Number: 001</b>
			12/2/2020	12/2/2020	104.00	0.00	104.00
		<b>G/L Account: 502022-00</b>					Boat Berth Fee:General 104.00
028977	12/15/2020	0000486	Bay Alarm Company				<b>Check Entry Number: 001</b>
			12/8/2020	12/8/2020	652.50	0.00	652.50
		<b>G/L Account: 500116-00</b>					Security Service:General 652.50
028978	12/15/2020	0000793	AFLAC				<b>Check Entry Number: 001</b>
			12/3/2020	12/3/2020	52.84	0.00	52.84
		<b>G/L Account: 202100-00</b>					Other Disability Insurance - Employee 52.84
028979	12/15/2020	0000806	Fred Loux				<b>Check Entry Number: 001</b>
			12/1/2020	12/1/2020	1,665.60	0.00	1,665.60
		<b>G/L Account: 600146-00</b>					Health Retirees DISTRICT Contr:General 1,665.60
028980	12/15/2020	0000913	Guardian Security Agency				<b>Check Entry Number: 001</b>
			12/1/2020	12/1/2020	380.00	0.00	380.00
		<b>G/L Account: 500116-00</b>					Security Service:General 380.00
			12/10/2020	12/10/2020	285.00	0.00	285.00
		<b>G/L Account: 500116-00</b>					Security Service:General 285.00
			12/2/2020	12/2/2020	475.00	0.00	475.00
		<b>G/L Account: 500116-00</b>					Security Service:General 475.00
<b>Check 028980 Total:</b>					<b>1,140.00</b>	<b>0.00</b>	<b>1,140.00</b>
028981	12/15/2020	0000925	iSolved Benefit Services				<b>Check Entry Number: 001</b>
			12/10/2020	12/10/2020	80.50	0.00	80.50
		<b>G/L Account: 600175-00</b>					FSA Admin Fee:General 80.50
028982	12/15/2020	0000956	Waterlogic Americas LLC				<b>Check Entry Number: 001</b>
			11/30/2020	11/30/2020	180.35	0.00	180.35
		<b>G/L Account: 505042-00</b>					Water - Drinking:General 83.56
		<b>G/L Account: 505042-00</b>					Water - Drinking:General 96.79
028983	12/15/2020	0000971	Flyers Energy, LLC				<b>Check Entry Number: 001</b>
			12/9/2020	12/9/2020	100.19	0.00	100.19
		<b>G/L Account: 502001-00</b>					Automotive - Gasoline:General 100.19
028984	12/15/2020	0000991	BOLD, POLISNER, MADDOW, NELSON & JUDSON				<b>Check Entry Number: 001</b>

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CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Check Number	Check Date	Vendor	Invoice Number	Bank Code:	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
			12/7/2020		12/7/2020	900.00	0.00	900.00
028985	12/15/2020	0001036	RKL eSolutions LLC	Legal - Counsel General:General				900.00
			11/30/2020		11/30/2020	560.00	0.00	560.00
028986	12/15/2020	0001049	ALSCO	Consulting - General:General				560.00
			12/3/2020		12/3/2020	1,227.99	0.00	1,227.99
			G/L Account: 502021-15	Uniform Rental: Mosquito Program				712.00
			G/L Account: 502021-20	Uniform Rental: Vertebrate Program				307.99
			G/L Account: 502021-10	Uniform Rental: Lab				208.00
028987	12/15/2020	0001061	KBA DOCUMENT SOLUTIONS, LLC					Check Entry Number: 001
			12/1/2020		12/1/2020	107.73	0.00	107.73
028988	12/15/2020	0001072	Mt. Diablo Resource Recovery-Concord	Printing Supplies: General				107.73
			12/4/2020		12/4/2020	588.00	0.00	588.00
028989	12/15/2020	0001077	Banksia Landscape, Inc.	Utilities Garbage: General				588.00
			12/1/2020		12/1/2020	475.00	0.00	475.00
028990	12/15/2020	0001113	Comcast	Landscaping Services: General				475.00
			12/1/2020		12/1/2020	363.50	0.00	363.50
E02501	12/11/2020	0001073	Paula A. Macedo	Utilities Landline: General				363.50
			11/30/2020		11/30/2020	149.00	0.00	149.00
E02502	12/11/2020	0001078	Kirk Thill	Employee - Training: General				149.00
			12/1/2020		12/1/2020	4,073.16	0.00	4,073.16
			G/L Account: 600146-00	Health Retirees DISTRICT Contr: General				4,073.16
			<b>Report Total:</b>			23,006.54	0.00	23,006.54
			<b>Printed Check Total:</b>					18,784.38
			<b>Electronic Payment Total:</b>					4,222.16

Check Register

Journal Posting Date: 12/31/2020

Register Number: CD-000044

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

							Bank Code: 1
Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
028996	12/31/2020	0000007	SEIU UPE LOCAL 1021-Union Dues				<b>Check Entry Number: 001</b>
			12/28/2020	12/28/2020	2,516.83	0.00	2,516.83
		<b>G/L Account: 202150-00</b>	SEIU Local 1021				2,516.83
028997	12/31/2020	0000009	Nationwide Retirement Solutions - 457 Plan				<b>Check Entry Number: 001</b>
			12/22/2020	12/22/2020	1,408.00	0.00	1,408.00
		<b>G/L Account: 202140-00</b>	457 Deferred Savings Plan				1,408.00
028998	12/31/2020	0000011	Vision Service Plan				<b>Check Entry Number: 001</b>
			12/21/2020	12/21/2020	604.75	0.00	604.75
		<b>G/L Account: 600140-00</b>	Vision Insurance - Active Employees				604.75
028999	12/31/2020	0000328	PG&E				<b>Check Entry Number: 001</b>
			12/22/2020	12/22/2020	1,681.95	0.00	1,681.95
		<b>G/L Account: 505038-00</b>	Utilities Gas:General				1,681.95
029000	12/31/2020	0000352	California Special Districts Association				<b>Check Entry Number: 001</b>
			10/1/2020	10/1/2020	7,805.00	0.00	7,805.00
		<b>G/L Account: 505003-00</b>	District Membership & Subscription Dues:General				7,805.00
029001	12/31/2020	0000452	U.S. BANK CORPORATE PAYMENT SYSTEMS				<b>Check Entry Number: 001</b>
			10/9/2020	10/9/2020	19.99	0.00	19.99
		<b>G/L Account: 503008-10</b>	Surveillance:Lab				696.58
		<b>G/L Account: 502011-15</b>	Control Materials - Yellowjacket & Bees:Mosquito P				163.16
		<b>G/L Account: 504004-00</b>	GPS Tracking:General				19.99
			11/1/2020	11/1/2020	89.90	0.00	89.90
		<b>G/L Account: 505039-00</b>	Utilities Internet:General				89.90
		<b>G/L Account: 505039-00</b>	Utilities Internet:General				89.90
			11/11/2020	11/11/2020	18.00	0.00	18.00
		<b>G/L Account: 504004-00</b>	GPS Tracking:General				18.00
			11/30/2020	11/30/2020	832.21	0.00	832.21
		<b>G/L Account: 502013-15</b>	Equipment Repair:Mosquito Program				747.44
		<b>G/L Account: 504000-05</b>	Computer Equipment Supplies < \$100:Administration				42.38
		<b>G/L Account: 502016-00</b>	Safety & PPE:General				42.39
			12/1/2020	12/1/2020	2,067.95	0.00	2,067.95
		<b>G/L Account: 504005-00</b>	I.T Subscriptions:General				504.00
		<b>G/L Account: 504009-25</b>	Software:Public Affairs				67.96
		<b>G/L Account: 502015-00</b>	Equipment Small:General				1,304.80
		<b>G/L Account: 502015-20</b>	Equipment Small:Vertebrate Program				43.44
		<b>G/L Account: 502015-00</b>	Equipment Small:General				147.75
			12/10/2020	12/10/2020	360.20	0.00	360.20
		<b>G/L Account: 502016-15</b>	Safety & PPE:Mosquito Program				95.38
		<b>G/L Account: 502015-00</b>	Equipment Small:General				42.22
		<b>G/L Account: 502015-00</b>	Equipment Small:General				11.13
		<b>G/L Account: 502015-00</b>	Equipment Small:General				211.47
			12/11/2020	12/11/2020	458.53	0.00	458.53
		<b>G/L Account: 505007-25</b>	Employee - Memberships:Public Affairs				335.00
		<b>G/L Account: 505021-00</b>	Office Supplies - Janitorial:General				79.53
		<b>G/L Account: 504005-05</b>	I.T Subscriptions:Administration				44.00
			12/14/2020	12/14/2020	162.00	0.00	162.00
		<b>G/L Account: 503007-10</b>	Sentinel Bird:Lab				162.00
			12/15/2020	12/15/2020	1,965.48	0.00	1,965.48
		<b>G/L Account: 505023-00</b>	Postage:General				13.90
		<b>G/L Account: 502013-15</b>	Equipment Repair:Mosquito Program				1,214.56
		<b>G/L Account: 504005-00</b>	I.T Subscriptions:General				159.98

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Bank Code: 1

Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
		<b>G/L Account:</b> 502010-20		Control Materials - Vertebrate:Vertebrate Program			289.82
		<b>G/L Account:</b> 502010-20		Control Materials - Vertebrate:Vertebrate Program			265.50
		<b>G/L Account:</b> 504000-05		Computer Equipment Supplies < \$100:Administration			21.72
			12/16/2020	12/16/2020	799.33	0.00	799.33
		<b>G/L Account:</b> 501007-00		Marketing - Design:General			297.50
		<b>G/L Account:</b> 505023-00		Postage:General			160.50
		<b>G/L Account:</b> 502013-15		Equipment Repair:Mosquito Program			341.33
			12/17/2020	12/17/2020	180.27	0.00	180.27
		<b>G/L Account:</b> 505023-00		Postage:General			24.15
		<b>G/L Account:</b> 502016-00		Safety & PPE:General			67.80
		<b>G/L Account:</b> 500103-15		B&G Maint Major >\$10K:Mosquito Program			88.32
			12/18/2020	12/18/2020	142.42	0.00	142.42
		<b>G/L Account:</b> 502016-00		Safety & PPE:General			86.73
		<b>G/L Account:</b> 503001-10		Aquaculture:Lab			21.71
		<b>G/L Account:</b> 502002-20		Automotive - Repairs:Vertebrate Program			33.98
			12/21/2020	12/21/2020	183.11	0.00	183.11
		<b>G/L Account:</b> 502013-15		Equipment Repair:Mosquito Program			140.21
		<b>G/L Account:</b> 500103-00		B&G Maint Major <\$10K:General			42.90
			12/7/2020	12/7/2020	582.75	0.00	582.75
		<b>G/L Account:</b> 503001-10		Aquaculture:Lab			582.75
			12/8/2020	12/8/2020	73.37	0.00	73.37
		<b>G/L Account:</b> 503001-25		Aquaculture:Public Affairs			23.89
		<b>G/L Account:</b> 502015-15		Equipment Small:Mosquito Program			73.37
				<b>Check 029001 Total:</b>	7,935.51	0.00	7,935.51
029002	12/31/2020	0000486	Bay Alarm Company				<b>Check Entry Number: 001</b>
			12/22/2020	12/22/2020	1,463.16	0.00	1,463.16
		<b>G/L Account:</b> 500116-00		Security Service:General			907.50
		<b>G/L Account:</b> 500116-00		Security Service:General			555.66
029003	12/31/2020	0000694	TD Ameritrade Institution				<b>Check Entry Number: 001</b>
			12/23/2020	12/23/2020	10,016.88	0.00	10,016.88
		<b>G/L Account:</b> 202140-00		457 Deferred Savings Plan			10,016.88
029004	12/31/2020	0000696	KBA DOCUMENT SOLUTIONS, LLC				<b>Check Entry Number: 001</b>
			12/21/2020	12/21/2020	203.36	0.00	203.36
		<b>G/L Account:</b> 505027-00		Service & Leasing Contracts:General			203.36
029005	12/31/2020	0000782	East Bay Welding				<b>Check Entry Number: 001</b>
			11/30/2020	11/30/2020	29.50	0.00	29.50
		<b>G/L Account:</b> 500103-00		B&G Maint Major <\$10K:General			29.50
029006	12/31/2020	0000814	Staples Business Advantage				<b>Check Entry Number: 001</b>
			12/2/2020	12/2/2020	391.25	0.00	391.25
		<b>G/L Account:</b> 505020-00		Office Supplies - General:General			391.25
029007	12/31/2020	0000899	Sun Life Financial				<b>Check Entry Number: 001</b>
			12/22/2020	12/22/2020	857.28	0.00	857.28
		<b>G/L Account:</b> 600155-00		Life Insurance - General			857.28
			12/23/2020	12/23/2020	472.29	0.00	472.29
		<b>G/L Account:</b> 202085-00		Employee Voluntary Life Ins - General			472.29
				<b>Check 029007 Total:</b>	1,329.57	0.00	1,329.57
029008	12/31/2020	0000913	Guardian Security Agency				<b>Check Entry Number: 001</b>
			12/15/2020	12/15/2020	475.00	0.00	475.00
		<b>G/L Account:</b> 500116-00		Security Service:General			475.00
			12/23/2020	12/23/2020	475.00	0.00	475.00

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
				Bank Code: 1			
			G/L Account: 500116-00	Security Service:General			475.00
				<b>Check 029008 Total:</b>	950.00	0.00	950.00
029009	12/31/2020	0000956	Waterlogic Americas LLC				<b>Check Entry Number: 001</b>
			12/28/2020	12/28/2020	96.79	0.00	96.79
			G/L Account: 505042-00	Water - Drinking:General			96.79
029010	12/31/2020	0000957	California School Boards Association - DSC (0200)				<b>Check Entry Number: 001</b>
			9/20/2020	9/20/2020	1,500.00	0.00	1,500.00
			G/L Account: 500101-00	Auditing Services:General			1,500.00
029011	12/31/2020	0000975	Reliance Standard Life In				<b>Check Entry Number: 001</b>
			12/21/2020	12/21/2020	1,007.84	0.00	1,007.84
			G/L Account: 600150-00	Disability Insurance - General			548.87
			G/L Account: 600150-00	Disability Insurance - General			458.97
029012	12/31/2020	0000981	Colonial Life				<b>Check Entry Number: 001</b>
			12/28/2020	12/28/2020	303.72	0.00	303.72
			G/L Account: 202100-00	Other Disability Insurance - Employee			303.72
029013	12/31/2020	0000998	ULINE				<b>Check Entry Number: 001</b>
			12/10/2020	12/10/2020	135.45	0.00	135.45
			G/L Account: 505021-00	Office Supplies - Janitorial:General			135.45
029014	12/31/2020	0001027	Ramos Environmental				<b>Check Entry Number: 001</b>
			12/10/2020	12/10/2020	2,615.88	0.00	2,615.88
			G/L Account: 500103-00	B&G Maint Major <\$10K:General			2,615.88
029015	12/31/2020	0001036	RKL eSolutions LLC				<b>Check Entry Number: 001</b>
			10/15/2020	10/15/2020	1,040.00	0.00	1,040.00
			G/L Account: 500104-00	Consulting - General:General			1,040.00
			12/15/2020	12/15/2020	720.00	0.00	720.00
			G/L Account: 500104-00	Consulting - General:General			720.00
			8/17/2020	8/17/2020	960.00	0.00	960.00
			G/L Account: 500104-00	Consulting - General:General			960.00
			9/14/2020	9/14/2020	80.00	0.00	80.00
			G/L Account: 500104-00	Consulting - General:General			80.00
			<b>Check 029015 Total:</b>		2,800.00	0.00	2,800.00
029016	12/31/2020	0001057	Leading Edge Associates, Inc.				<b>Check Entry Number: 001</b>
			12/28/2020	12/28/2020	121,345.00	0.00	121,345.00
			G/L Account: 504009-00	Software:General			121,345.00
029017	12/31/2020	0001063	OSCA				<b>Check Entry Number: 001</b>
			12/1/2020	12/1/2020	90.00	0.00	90.00
			G/L Account: 505008-15	Employee - Training:Mosquito Program			90.00
029018	12/31/2020	0001082	Heluna Health				<b>Check Entry Number: 001</b>
			12/28/2020	12/28/2020	480.70	0.00	480.70
			G/L Account: 503005-10	Lab Testing:Lab			480.70
029019	12/31/2020	0001088	Verizon Wireless				<b>Check Entry Number: 001</b>
			12/10/2020	12/10/2020	1,677.46	0.00	1,677.46
			G/L Account: 505035-00	Utilities Cell Phone:General			1,677.46
029020	12/31/2020	0001111	TireHub				<b>Check Entry Number: 001</b>
			12/3/2020	12/3/2020	695.22	0.00	695.22
			G/L Account: 502002-15	Automotive - Repairs:Mosquito Program			695.22
			12/8/2020	12/8/2020	640.32	0.00	640.32
			G/L Account: 502002-20	Automotive - Repairs:Vertebrate Program			640.32
			<b>Check 029020 Total:</b>		1,335.54	0.00	1,335.54
029021	12/31/2020	0001113	Comcast				<b>Check Entry Number: 001</b>

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
			12/15/2020	12/15/2020	393.06	0.00	393.06
			<b>G/L Account:</b> 505039-00	Utilities Internet:General			393.06
029022	12/31/2020	0011120	Ford Lincoln Fairfield				<b>Check Entry Number:</b> 001
			12/28/2020	12/28/2020	71,340.60	0.00	71,340.60
			<b>G/L Account:</b> 700102-00	Vehicles:General			71,340.60
029023	12/31/2020	0011124	Kimball Midwest				<b>Check Entry Number:</b> 001
			12/14/2020	12/14/2020	172.12	0.00	172.12
			<b>G/L Account:</b> 502004-15	Automotive - Supplies: Mosquito Program			172.12
029024	12/31/2020	0011125	CC Real Green Clean				<b>Check Entry Number:</b> 001
			12/15/2020	12/15/2020	1,500.00	0.00	1,500.00
			<b>G/L Account:</b> 500107-00	Janitorial Services:General			1,500.00
E02503	12/31/2020	0000010	CalPERS				<b>Check Entry Number:</b> 001
			12/24/2020	12/24/2020	55,142.09	0.00	55,142.09
			<b>G/L Account:</b> 202040-00	CalPers Medical - Employer Contribution			37,521.50
			<b>G/L Account:</b> 202050-00	CalPers Medical - Employee Contribution			6,621.44
			<b>G/L Account:</b> 600165-00	CalPers Medical Admin Fee - Active Employees Gener			105.94
			<b>G/L Account:</b> 600170-00	CalPers Medical Admin Fee - Retirees			26.08
			<b>G/L Account:</b> 600145-00	Medical Insurance - Retirees			7,795.16
			<b>G/L Account:</b> 202045-00	CalPers Medical - Retiree Contribution			3,071.97
			<b>Report Total:</b>		298,272.01	0.00	298,272.01
			<b>Printed Check Total:</b>				243,129.92
			<b>Electronic Payment Total:</b>				55,142.09



Check Register

Journal Posting Date: 1/15/2021

Register Number: CD-000045

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

							Bank Code: 1
Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
029025	1/15/2021	000015	Health Care Dental Trust				<b>Check Entry Number: 001</b>
			1/11/2021	1/11/2021	4,702.22	0.00	4,702.22
		<b>G/L Account: 600135-00</b>		Dental Insurance - Active Employees General			1,766.70
		<b>G/L Account: 600136-00</b>		Dental Insurance: Operations			2,935.52
029026	1/15/2021	0000313	Contra Costa Water District				<b>Check Entry Number: 001</b>
			12/31/2020	12/31/2020	29.01	0.00	29.01
		<b>G/L Account: 505041-00</b>		Utilities Water:General			29.01
029027	1/15/2021	0000328	PG&E				<b>Check Entry Number: 001</b>
			1/8/2021	1/8/2021	980.23	0.00	980.23
		<b>G/L Account: 505036-00</b>		Utilities Electric:General			980.23
029028	1/15/2021	0000346	FRANCOTYP-POSTALIA, INC.				<b>Check Entry Number: 001</b>
			12/31/2020	12/31/2020	146.71	0.00	146.71
		<b>G/L Account: 505023-00</b>		Postage:General			146.71
029029	1/15/2021	0000359	SP Automotive				<b>Check Entry Number: 001</b>
			1/4/2021	1/4/2021	2,035.19	0.00	2,035.19
		<b>G/L Account: 502002-00</b>		Automotive - Repairs:General			2,035.19
029030	1/15/2021	0000399	Contra Costa County - Fleet				<b>Check Entry Number: 001</b>
			1/8/2021	1/8/2021	2,683.20	0.00	2,683.20
		<b>G/L Account: 502001-00</b>		Automotive - Gasoline:General			2,683.20
029031	1/15/2021	0000482	City of Antioch Marina				<b>Check Entry Number: 001</b>
			1/6/2021	1/6/2021	104.00	0.00	104.00
		<b>G/L Account: 502022-00</b>		Boat Berth Fee:General			104.00
029032	1/15/2021	0000610	Liebert Cassidy Whitmore				<b>Check Entry Number: 001</b>
			1/1/2021	1/1/2021	3,415.00	0.00	3,415.00
		<b>G/L Account: 505008-00</b>		Employee - Training:General			3,415.00
029033	1/15/2021	0000814	Staples Business Advantage				<b>Check Entry Number: 001</b>
			12/2/2020	12/2/2020	11.07	0.00	11.07
		<b>G/L Account: 505020-00</b>		Office Supplies - General:General			391.25
		<b>G/L Account: 505020-00</b>		Office Supplies - General:General			11.07
029034	1/15/2021	0000913	Guardian Security Agency				<b>Check Entry Number: 001</b>
			12/31/2020	12/31/2020	475.00	0.00	475.00
		<b>G/L Account: 500116-00</b>		Security Service:General			475.00
029035	1/15/2021	0000925	iSolved Benefit Services				<b>Check Entry Number: 001</b>
			1/11/2021	1/11/2021	80.50	0.00	80.50
		<b>G/L Account: 600175-00</b>		FSA Admin Fee:General			80.50
029036	1/15/2021	0000956	Waterlogic Americas LLC				<b>Check Entry Number: 001</b>
			12/31/2020	12/31/2020	83.56	0.00	83.56
		<b>G/L Account: 505042-00</b>		Water - Drinking:General			83.56
029037	1/15/2021	0000992	MVCAC				<b>Check Entry Number: 001</b>
			1/12/2021	1/12/2021	2,200.00	0.00	2,200.00
		<b>G/L Account: 505032-00</b>		Trustee - Training:General			250.00
		<b>G/L Account: 505008-05</b>		Employee - Training:Administration			375.00
		<b>G/L Account: 505008-10</b>		Employee - Training:Lab			300.00
		<b>G/L Account: 505008-15</b>		Employee - Training:Mosquito Program			800.00
		<b>G/L Account: 505008-20</b>		Employee - Training:Vertebrate Program			325.00
		<b>G/L Account: 505008-25</b>		Employee - Training:Public Affairs			150.00
029038	1/15/2021	0001036	RKL eSolutions LLC				<b>Check Entry Number: 001</b>
			12/31/2020	12/31/2020	520.00	0.00	520.00
		<b>G/L Account: 500104-00</b>		Consulting - General:General			520.00
029039	1/15/2021	0001049	ALSCO				<b>Check Entry Number: 001</b>

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Bank Code: 1							
Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
			1/6/2021	1/6/2021	1,442.22	0.00	1,442.22
		<b>G/L Account:</b> 502021-20		Uniform Rental:Vertebrate Program			360.55
		<b>G/L Account:</b> 502021-15		Uniform Rental:Mosquito Program			836.48
		<b>G/L Account:</b> 502021-10		Uniform Rental:Lab			245.19
029040	1/15/2021	0001061	KBA DOCUMENT SOLUTIONS, LLC				<b>Check Entry Number: 001</b>
			1/4/2021	1/4/2021	284.33	0.00	284.33
		<b>G/L Account:</b> 504008-00		Printing Supplies:General			284.33
029041	1/15/2021	0001072	Mt. Diablo Resource Recovery-Concord				<b>Check Entry Number: 001</b>
			1/6/2021	1/6/2021	588.00	0.00	588.00
		<b>G/L Account:</b> 505037-00		Utilities Garbage:General			588.00
029042	1/15/2021	0001077	Banksia Landscape, Inc.				<b>Check Entry Number: 001</b>
			1/5/2021	1/5/2021	475.00	0.00	475.00
		<b>G/L Account:</b> 500109-00		Landscaping Services:General			475.00
029043	1/15/2021	0001113	Comcast				<b>Check Entry Number: 001</b>
			1/1/2021	1/1/2021	366.46	0.00	366.46
		<b>G/L Account:</b> 505040-00		Utilities Landline:General			366.46
				<b>Report Total:</b>	<u>20,621.70</u>	<u>0.00</u>	<u>20,621.70</u>

Check Register

Journal Posting Date: 1/29/2021

Register Number: CD-000046

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Bank Code: 1 - Bank of the West

Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount	
029062	1/29/2021	0000007	SEIU UPE LOCAL 1021-Union Dues					Check Entry Number: 001
			1/26/2021	1/26/2021	2,521.77	0.00	2,521.77	
		G/L Account: 202150-00	SEIU Local 1021					2,521.77
029063	1/29/2021	0000009	Nationwide Retirement Solutions - 457 Plan					Check Entry Number: 001
			1/26/2021	1/26/2021	2,850.00	0.00	2,850.00	
		G/L Account: 202140-00	457 Deferred Savings Plan					2,850.00
029064	1/29/2021	0000011	Vision Service Plan					Check Entry Number: 001
			1/21/2021	1/21/2021	604.75	0.00	604.75	
		G/L Account: 600140-00	Vision Insurance - Active Employees					604.75
029065	1/29/2021	0000313	Contra Costa Water District					Check Entry Number: 001
			1/15/2021	1/15/2021	908.73	0.00	908.73	
		G/L Account: 505041-00	Utilities Water:General					908.73
029066	1/29/2021	0000323	Grainger, Inc.					Check Entry Number: 001
			1/4/2021	1/4/2021	20.74	0.00	20.74	
		G/L Account: 502004-00	Automotive - Supplies:General					20.74
			1/8/2021	1/8/2021	8.02	0.00	8.02	
		G/L Account: 502004-00	Automotive - Supplies:General					8.02
			<b>Check 029066 Total:</b>		<b>28.76</b>	<b>0.00</b>	<b>28.76</b>	
029067	1/29/2021	0000328	PG&E					Check Entry Number: 001
			1/21/2021	1/21/2021	1,867.93	0.00	1,867.93	
		G/L Account: 505038-00	Utilities Gas:General					1,867.93
029068	1/29/2021	0000386	US POSTAL SERVICE CMRS-FP					Check Entry Number: 001
			1/22/2021	1/22/2021	1,000.00	0.00	1,000.00	
		G/L Account: 505023-00	Postage:General					1,000.00
029069	1/29/2021	0000452	U.S. BANK CORPORATE PAYMENT SYSTEMS					Check Entry Number: 001
			1/1/2021	1/1/2021	504.00	0.00	504.00	
		G/L Account: 504005-00	I.T Subscriptions:General					504.00
			1/11/2021	1/11/2021	15.05	0.00	15.05	
		G/L Account: 505023-00	Postage:General					15.05
			1/12/2021	1/12/2021	176.99	0.00	176.99	
		G/L Account: 504000-25	Computer Equipment Supplies < \$100:Public Affairs					86.99
		G/L Account: 502002-15	Automotive - Repairs:Mosquito Program					90.00
			1/13/2021	1/13/2021	256.62	0.00	256.62	
		G/L Account: 502016-00	Safety & PPE:General					256.62
			1/14/2021	1/14/2021	395.94	0.00	395.94	
		G/L Account: 501007-25	Marketing - Design:Public Affairs					297.50
		G/L Account: 504000-05	Computer Equipment Supplies < \$100:Administration					9.56
		G/L Account: 504000-05	Computer Equipment Supplies < \$100:Administration					88.88
			1/15/2021	1/15/2021	255.34	0.00	255.34	
		G/L Account: 502005-00	Building & Grounds Materials / Supplies:General					8.58
		G/L Account: 502016-00	Safety & PPE:General					246.76
			1/20/2021	1/20/2021	41.18	0.00	41.18	
		G/L Account: 504000-05	Computer Equipment Supplies < \$100:Administration					41.18
			1/21/2021	1/21/2021	94.47	0.00	94.47	
		G/L Account: 503004-10	Lab Equipment:Lab					36.98
		G/L Account: 500103-00	B&G Maint Major <\$10K:General					57.49
			1/4/2021	1/4/2021	376.68	0.00	376.68	
		G/L Account: 504000-10	Computer Equipment Supplies < \$100:Lab					59.80
		G/L Account: 502004-00	Automotive - Supplies:General					18.38
		G/L Account: 502002-20	Automotive - Repairs:Vertebrate Program					107.52

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Check Register

Journal Posting Date: 1/29/2021

Register Number: CD-000046

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Bank Code: 1 - Bank of the West

Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
		G/L Account: 502004-00			Automotive - Supplies:General		183.74
		G/L Account: 504005-00			I.T Subscriptions:General		44.00
	1/5/2021			1/5/2021	72.01	0.00	72.01
		G/L Account: 502002-20			Automotive - Repairs:Vertebrate Program		72.01
	1/6/2021			1/6/2021	708.93	0.00	708.93
		G/L Account: 504005-10			I.T Subscriptions:Lab		420.00
		G/L Account: 502005-00			Building & Grounds Materials / Supplies:General		288.93
	1/7/2021			1/7/2021	15.02	0.00	15.02
		G/L Account: 504000-15			Computer Equipment Supplies < \$100:Mosquito Progra		15.02
	1/8/2021			1/8/2021	1,157.82	0.00	1,157.82
		G/L Account: 500103-00			B&G Maint Major <\$10K:General		16.38
		G/L Account: 500103-00			B&G Maint Major <\$10K:General		706.45
		G/L Account: 504001-05			:Administration		434.99
	12/22/2020			12/22/2020	13.21	0.00	13.21
		G/L Account: 504005-00			I.T Subscriptions:General		1.97
		G/L Account: 504005-00			I.T Subscriptions:General		11.24
	12/23/2020			12/23/2020	89.90	0.00	89.90
		G/L Account: 505039-00			Utilities Internet:General		89.90
	12/24/2020			12/24/2020	41.30	0.00	41.30
		G/L Account: 502015-00			Equipment Small:General		41.30
	12/28/2020			12/28/2020	30.00	0.00	30.00
		G/L Account: 500115-00			Permits & Fees:General		30.00
	12/29/2020			12/29/2020	43.11	0.00	43.11
		G/L Account: 500103-00			B&G Maint Major <\$10K:General		43.11
	12/30/2020			12/30/2020	70.00	0.00	70.00
		G/L Account: 505007-10			Employee - Memberships:Lab		70.00
		<b>Check 029069 Total:</b>			<b>4,357.57</b>	<b>0.00</b>	<b>4,357.57</b>
029070	1/29/2021	0000610	Liebert Cassidy Whitmore				<b>Check Entry Number: 001</b>
				11/30/2020	674.00	0.00	674.00
		G/L Account: 500111-00			Legal - Counsel Labor:General		636.00
		G/L Account: 500111-00			Legal - Counsel Labor:General		38.00
029071	1/29/2021	0000694	TD Ameritrade Institution				<b>Check Entry Number: 001</b>
				1/25/2021	9,286.44	0.00	9,286.44
		G/L Account: 202140-00			457 Deferred Savings Plan		9,286.44
029072	1/29/2021	0000696	KBA DOCUMENT SOLUTIONS, LLC				<b>Check Entry Number: 001</b>
				1/21/2021	203.36	0.00	203.36
		G/L Account: 505027-00			Service & Leasing Contracts:General		203.36
029073	1/29/2021	0000782	East Bay Welding				<b>Check Entry Number: 001</b>
				12/31/2020	14.75	0.00	14.75
		G/L Account: 502004-00			Automotive - Supplies:General		14.75
029074	1/29/2021	0000793	AFLAC				<b>Check Entry Number: 001</b>
				1/14/2021	52.84	0.00	52.84
		G/L Account: 202100-00			Other Disability Insurance - Employee		52.84
029075	1/29/2021	0000814	Staples Business Advantage				<b>Check Entry Number: 001</b>
				1/5/2021	746.66	0.00	746.66
		G/L Account: 505022-00			Office Supplies - Kitchen:General		65.83
		G/L Account: 505020-00			Office Supplies - General:General		680.83
	1/7/2021			1/7/2021	10.65	0.00	10.65
		G/L Account: 505020-00			Office Supplies - General:General		10.65
		<b>Check 029075 Total:</b>			<b>757.31</b>	<b>0.00</b>	<b>757.31</b>

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A/P Date: 1/29/2021

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CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)

Bank Code: 1 - Bank of the West							
Check Number	Check Date	Vendor	Invoice Number	Invoice Date	Invoice Amount	Discount Applied	Payment Amount
029076	1/29/2021	0000899	Sun Life Financial				<b>Check Entry Number: 001</b>
			1/21/2021	1/21/2021	1,329.57	0.00	1,329.57
		<b>G/L Account: 202085-00</b>			Employee Voluntary Life Ins - General		472.29
		<b>G/L Account: 600155-00</b>			Life Insurance - General		857.28
029077	1/29/2021	0000913	Guardian Security Agency				<b>Check Entry Number: 001</b>
			1/15/2021	1/15/2021	760.00	0.00	760.00
		<b>G/L Account: 500116-00</b>			Security Service:General		380.00
		<b>G/L Account: 500116-00</b>			Security Service:General		380.00
			1/21/2021	1/21/2021	493.75	0.00	493.75
		<b>G/L Account: 500116-00</b>			Security Service:General		493.75
			<b>Check 029077 Total:</b>		1,253.75	0.00	1,253.75
029078	1/29/2021	0000971	Flyers Energy, LLC				<b>Check Entry Number: 001</b>
			1/26/2021	1/26/2021	90.63	0.00	90.63
		<b>G/L Account: 502001-00</b>			Automotive - Gasoline:General		90.63
029079	1/29/2021	0000975	Reliance Standard Life In				<b>Check Entry Number: 001</b>
			1/15/2021	1/15/2021	461.40	0.00	461.40
		<b>G/L Account: 600150-00</b>			Disability Insurance - General		461.40
			1/19/2021	1/19/2021	551.78	0.00	551.78
		<b>G/L Account: 600150-00</b>			Disability Insurance - General		551.78
			<b>Check 029079 Total:</b>		1,013.18	0.00	1,013.18
029080	1/29/2021	0000981	Colonial Life				<b>Check Entry Number: 001</b>
			1/25/2021	1/25/2021	602.66	0.00	602.66
		<b>G/L Account: 202100-00</b>			Other Disability Insurance - Employee		602.66
029081	1/29/2021	0000991	BOLD, POLISNER, MADDOW, NELSON & JUDSON				<b>Check Entry Number: 001</b>
			1/13/2021	1/13/2021	810.00	0.00	810.00
		<b>G/L Account: 500110-00</b>			Legal - Counsel General:General		810.00
029082	1/29/2021	0001088	Verizon Wireless				<b>Check Entry Number: 001</b>
			1/10/2021	1/10/2021	1,657.49	0.00	1,657.49
		<b>G/L Account: 505035-00</b>			Utilities Cell Phone:General		1,657.49
029083	1/29/2021	0001113	Comcast				<b>Check Entry Number: 001</b>
			1/15/2021	1/15/2021	393.06	0.00	393.06
		<b>G/L Account: 505039-00</b>			Utilities Internet:General		393.06
029084	1/29/2021	0011125	CC Real Green Clean				<b>Check Entry Number: 001</b>
			1/25/2021	1/25/2021	1,500.00	0.00	1,500.00
		<b>G/L Account: 500107-00</b>			Janitorial Services:General		1,500.00
E02504	1/29/2021	0000010	CalPERS				<b>Check Entry Number: 001</b>
			1/25/2021	1/25/2021	58,657.52	0.00	58,657.52
		<b>G/L Account: 202040-00</b>			CalPers Medical - Employer Contribution		40,918.24
		<b>G/L Account: 202050-00</b>			CalPers Medical - Employee Contribution		7,220.87
		<b>G/L Account: 600165-00</b>			CalPers Medical Admin Fee - Active Employees Gener		115.53
		<b>G/L Account: 600170-00</b>			CalPers Medical Admin Fee - Retirees		24.91
		<b>G/L Account: 600145-00</b>			Medical Insurance - Retirees		7,795.16
		<b>G/L Account: 202045-00</b>			CalPers Medical - Retiree Contribution		2,582.81
E02505	1/29/2021	0000335	Concur Technologies, Inc				<b>Check Entry Number: 001</b>
			1/1/2021	1/1/2021	733.82	0.00	733.82
		<b>G/L Account: 504005-00</b>			I.T Subscriptions:General		733.82
E02506	1/29/2021	0001036	RKL eSolutions LLC				<b>Check Entry Number: 001</b>
			1/18/2021	1/18/2021	360.00	0.00	360.00
		<b>G/L Account: 500104-00</b>			Consulting - General:General		360.00
			<b>Report Total:</b>		93,529.89	0.00	93,529.89

Check Register  
Journal Posting Date: 1/29/2021  
Register Number: CD-000046

**CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT (CCV)**

Bank Code: 1 - Bank of the West

<u>Check Number</u>	<u>Check Date</u>	<u>Vendor</u>	<u>Invoice Number</u>	<u>Invoice Date</u>	<u>Invoice Amount</u>	<u>Discount Applied</u>	<u>Payment Amount</u>
<b>Printed Check Total:</b>							<b>33,778.55</b>
<b>Electronic Payment Total:</b>							<b>59,751.34</b>

CONTRA COSTA MOSQUITO & VECTOR CONTROL DISTRICT  
UNUSUAL ITEMS LIST

<i>DATE</i>	<i>CHECK #</i>	<i>AMOUNT OF CHECK</i>	<i>VENDOR &amp; DESCRIPTION</i>
December 15, 2020	028974	\$3,567.77	Contra Costa County Fleet – Automotive Gasoline
“ “ “	028979	\$1,665.60	Fred Loux – Retiree Medical through December 2020
“ “ “	E02502 (ACH)	\$4,073.16	Kirk Thill – Retiree Medical through December 2020
December 31, 2020	029000	\$7,805.00	California Special Districts Association – District Membership & Subscription Dues
“ “ “	029002	\$1,463.16	Bay Alarm Company – BayNet & Bay Guard Quarterly Security Services
“ “ “	029010	\$1,500.00	California School Boards Association (DSC) – GASB AMM Disclosure Report (Auditing Services)
“ “ “	029014	\$2,615.88	Ramos Environmental – Oil & Sludge Disposal
“ “ “	029015	\$2,800.00	RKL eSolutions LLC – Accounting Software Consulting Services
“ “ “	029016	\$121,345.00	Leading Edge – Operations Software (2 <sup>nd</sup> Payment)
“ “ “	029020	\$1,335.54	TireHub – Truck Tires
“ “ “	029022	\$71,340.60	Ford Lincoln Fairfield – (2) Ford F150 Trucks
January 15, 2021	029029	\$2,035.19	SP Automotive – Automotive Parts
“ “ “	029030	\$2,683.20	Contra Costa County Fleet – Automotive Gasoline
“ “ “	029032	\$3,415.00	Liebert Cassidy Whitmore – Professional Legal Services
“ “ “	029037	\$2,200.00	MVCAC – Annual Virtual Conference Registration
January 29, 2021	029068	\$1,000.00	US Postal Service CMRS-FP – Postage
“ “ “	029070	\$674.00	Liebert Cassidy Whitmore – Professional Legal Services
“ “ “	029081	\$810.00	Bold, Polisner, Maddow, Nelson & Judson – Professional Legal Services
“ “ “	029084	\$1,500.00	CC Real Green Clean – Janitorial Services

## TRANSACTION ACTIVITY REPORT

Months of December 2020 & January 2021

Transaction Number	Date	Wells Fargo	LAIF	Bank of the West	
	<b>Balance</b>	<b>12/1/2020</b>	<b>208,004.31</b>	<b>6,891,491.60</b>	<b>389,996.43</b>
1	12/15/2020		(155,000.00)	155,000.00	
2	12/17/2020	4,159,762.82			
3	12/22/2020	918.48			
4	12/28/2020	(4,358,485.74)	4,360,000.00		
5	12/31/2020	4,844.15	(465,000.00)	(55,055.90)	
	<b>Balance</b>	<b>15,044.02</b>	<b>10,631,491.60</b>	<b>489,940.53</b>	
6	1/14/2021	288,003.95	(185,000.00)	185,000.00	
7	1/15/2021		11,725.73	-	
8	1/20/2021	2,063.19			
9	1/29/2021	1.55	(260,000.00)	(349,966.73)	
	<b>Balance</b>	<b>305,112.71</b>	<b>10,198,217.33</b>	<b>324,973.80</b>	

### Transaction Number & Brief Description

- 1 Transfer from LAIF to Bank of the West for Payroll & Vendor Checks
- 2 Property Tax Deposit & Misc Contract Billing Deposits
- 3 Misc Deposits into Wells Fargo Account
- 4 Transfer Property Tax to LAIF coupled with Fees and Misc Deposit & Int Earned
- 5 Transfer from LAIF to Bank of the West for Payroll & Vendor Checks with Misc Deposit into Wells
- 6 Transfer from LAIF to Bank of the West for Payroll & Vendor Checks
- 7 LAIF interest
- 8 Misc Deposits into Wells Fargo Account
- 9 Transfer from LAIF to Bank of the West & Clearing of checks from Bank of the West for Payroll & Vendor & Int Earned in Wells Fargo

*I certify that this report reflects all cash transactions and is in conformity with District Policy. The cash flow shown provides sufficient cash flow liquidity to meet the next six months expenditures.*

*Respectfully submitted*

  
 Paula Macedo  
 General Manager



California State Treasurer  
**Fiona Ma, CPA**



Local Agency Investment Fund  
 P.O. Box 942809  
 Sacramento, CA 94209-0001  
 (916) 653-3001

March 01, 2021

[LAIF Home](#)  
[PMIA Average Monthly Yields](#)

CONTRA COSTA MOSQUITO AND VECTOR CONTROL  
 DISTRICT  
 MANAGER  
 155 MASON CIRCLE  
 CONCORD, CA 94520

[Tran Type Definitions](#)

**Account Number:**

December 2020 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Web Confirm Number	Authorized Caller	Amount
12/14/2020	12/14/2020	RW	1661633	N/A	PAULA MACEDO	155,000.00
12/28/2020	12/28/2020	RD	1662577	N/A	PAULA MACEDO	4,360,000.00
12/30/2020	12/29/2020	RW	1662689	N/A	MARIA BAGLEY	-465,000.00

**Account Summary**

Total Deposit:	4,360,000.00	Beginning Balance:	6,891,491.60
Total Withdrawal:	-620,000.00	Ending Balance:	10,631,491.60

**Account Number:**

January 2021 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Web Confirm Number	Authorized Caller	Amount
1/14/2021	1/13/2021	RW	1663473	N/A	PAULA MACEDO	-185,000.00
1/15/2021	1/14/2021	QRD	1663872	N/A	SYSTEM	11,725.73
1/28/2021	1/27/2021	RW	1666732	N/A	PAULA MACEDO	-260,000.00

**Account Summary**

Total Deposit:	11,725.73	Beginning Balance:	10,631,491.60
Total Withdrawal:	-445,000.00	Ending Balance:	10,198,217.33

## Contra Costa Mosquito and Vector Control District

### FY21 Budget Year

(July 1 2020 - June 30 2021)

### Board Packet

59% of the Year  
completed

	FY21 <i>As of 1/31/21</i>	FY21 Budget	YTD FY21 VS Adopted Budget	ADOPTED FY21 VS FY21 \$
<b>Personnel Costs</b>				
Payroll & OT	2,113,791	3,704,085	57.1%	1,590,294
<b>Retirement</b>	<b>1,303,335</b>	<b>1,303,335</b>	<b>100.0%</b>	<b>0</b>
OASDI	121,268	240,766	50.4%	119,498
<b>Medicare</b>	<b>29,319</b>	<b>53,709</b>	<b>54.6%</b>	<b>24,390</b>
Health Insurance (Dental / Vision Etc)	314,385	646,687	48.6%	332,302
<b>Unemployment</b>	<b>14,873</b>	<b>34,456</b>	<b>43.2%</b>	<b>19,583</b>
Disability Ins	7,022	10,092	69.6%	3,070
<b>Other Post Employment Benefits</b>	<b>-</b>	<b>205,000</b>	<b>0.0%</b>	<b>205,000</b>
<b>Subtotal Personnel Costs</b>	<b>3,903,991</b>	<b>6,198,130</b>	<b>63.0%</b>	<b>2,294,139</b>
<b>Operational Costs</b>				
Professional Services - Legal includes Settlements	53,576	70,000	76.5%	16,425
<b>Professional Services - Building &amp; Grounds Maint</b>	<b>4,006</b>	<b>29,500</b>	<b>13.6%</b>	<b>364,068</b>
Professional Services - All Other	95,417	420,261	22.7%	324,844
<b>Public Affairs</b>	<b>2,762</b>	<b>69,860</b>	<b>4.0%</b>	<b>67,098</b>
Lab Services	21,003	38,700	54.3%	17,697
<b>Information &amp; Technology</b>	<b>173,811</b>	<b>295,575</b>	<b>58.8%</b>	<b>121,764</b>
Operations - Control Materials	26,092	213,000	12.2%	186,908
<b>Operations - Aerial</b>	<b>4,650</b>	<b>20,000</b>	<b>23.3%</b>	<b>15,350</b>
Operation and Facilities - All Other	94,684	289,729	32.7%	195,045
<b>General Office Administration - Insurance</b>	<b>282,184</b>	<b>282,184</b>	<b>100.0%</b>	<b>-</b>
General Office Administration - Trustee Expense	274	17,500	1.6%	17,226
<b>General Office - Research</b>	<b>0</b>	<b>20,000</b>	<b>0.0%</b>	<b>20,000</b>
General Office Administration - Employee Travel & Training	10,504	64,500	16.3%	53,996
<b>General Office Administration - Utilities</b>	<b>34,961</b>	<b>91,120</b>	<b>38.4%</b>	<b>56,159</b>
General Office Administration - All Other	39,515	435,000	9.1%	395,485
<b>Subtotal Operational Cost</b>	<b>843,439</b>	<b>2,356,929</b>	<b>35.8%</b>	<b>1,513,491</b>
<b>Capital</b>				
<b>Land</b>				-
Structures and Improvements	0	52,500	0.0%	52,500
<b>Vehicles</b>	<b>71,341</b>	<b>169,300</b>	<b>42.1%</b>	<b>97,959</b>
Heavy Equipment	0	45,000	0.0%	45,000
<b>Subtotal Capital</b>	<b>71,341</b>	<b>266,800</b>	<b>26.7%</b>	<b>195,459</b>
<b>Total Expenditures</b>	<b>4,818,771</b>	<b>8,821,859</b>		
<b>Revenues</b>				
<b>Property Taxes</b>	<b>4,498,122</b>	<b>5,906,350</b>	<b>76.2%</b>	<b>1,408,228</b>
Benefit Assessment	0	2,056,499	0.0%	2,056,499
<b>Contract Billing</b>	<b>29,140</b>	<b>50,000</b>	<b>58.3%</b>	<b>20,860</b>
Interest Income (LAIF)	35,187	160,000	22.0%	124,813
<b>Medical Reimbursement</b>	<b>13,025</b>	<b>35,000</b>	<b>37.2%</b>	<b>21,975</b>
Fixed Asset Disposal	13,200	30,000	44.0%	16,800
<b>Miscellaneous</b>	<b>2,149</b>	<b>65,000</b>	<b>3.3%</b>	<b>62,851</b>
Grant Funds:General	0	-	0.0%	-
<b>Subtotal Revenue</b>	<b>4,590,823</b>	<b>8,302,849</b>	<b>55.3%</b>	<b>3,712,026</b>
<b>Estimate Ending Balance</b>	<b>-227,947</b>	<b>-519,010</b>		
<b>Designated Reserves POLICY FY 21 (July 20 - Jun 21)</b>				
Bond Reserve	-			
Public Health Emergency	2,500,000			
<i>Capital Improvement**</i>	1,745,738			
Emergency Reconstruction Response	500,000			
Operations	4,410,930			
Vehicle & Equipment Replacement	150,000			
IT Equipment Replacement	200,000			
<b>9,506,668</b>				

\*\* Will be updated per Reserve Policy after final Audit of Revenues is completed

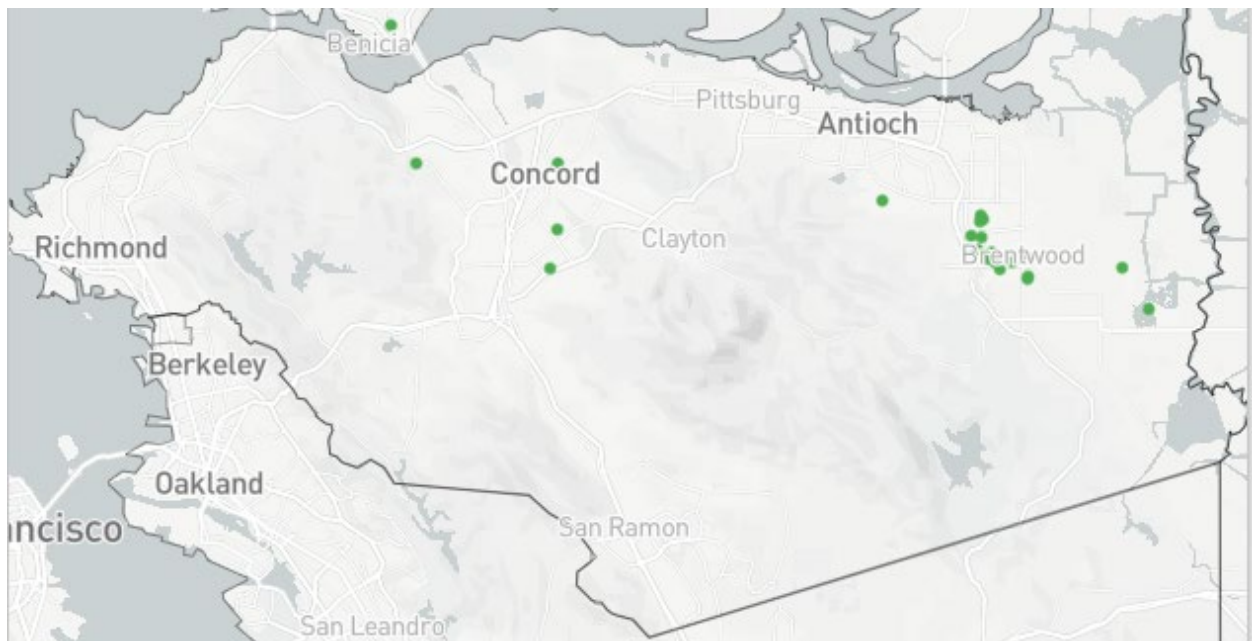
## February 2021 Mosquito and Arbovirus Surveillance Report

Updated February 25<sup>th</sup> by Steve Schutz, Ph.D., Scientific Programs Manager

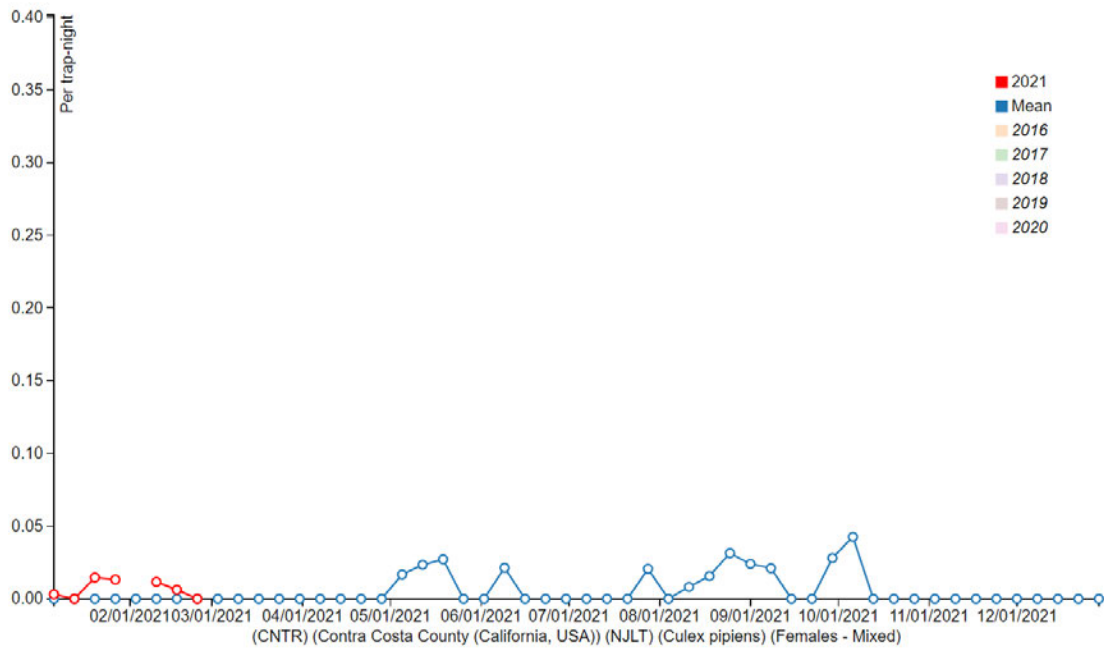
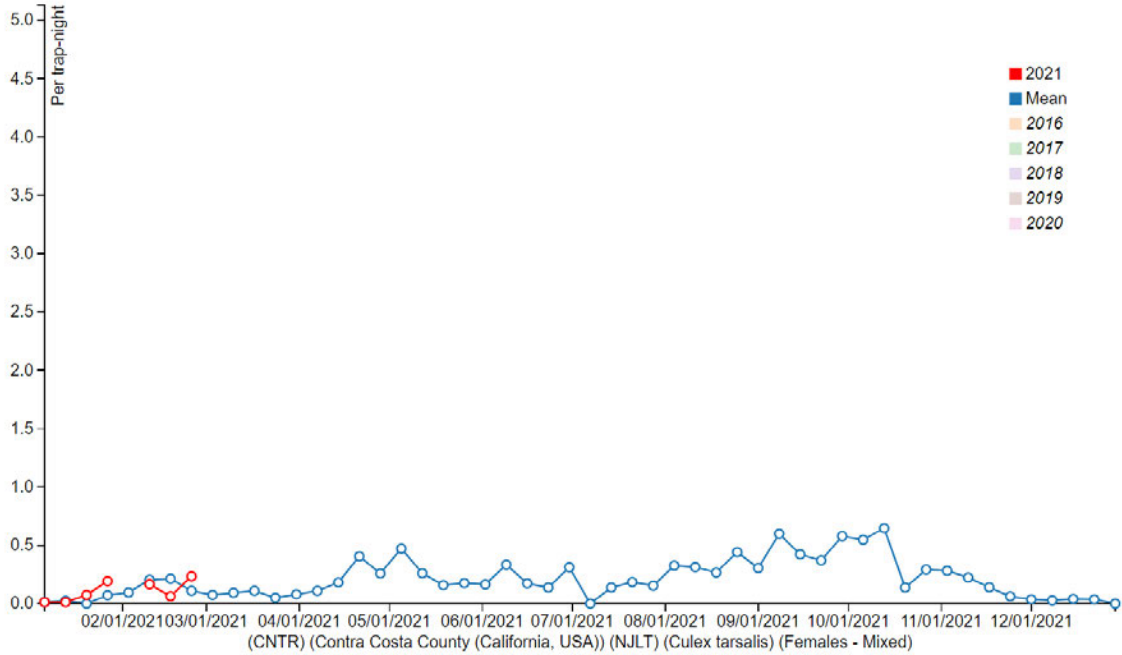
**Human cases:** Four confirmed human cases of West Nile virus were reported in 2020, two in East County and two in Central County. According to the Contra Costa County Department of Public Health, the confirmed cases in East County were probably locally acquired; one of the cases in Central County was probably not locally acquired, the other one is of uncertain origin (patient had some travel history). We also received a report of a human case of malaria in Central County (not locally acquired).

**Equine cases:** No equine WNV cases were reported in Contra Costa County last year.

**Dead birds:** In 2020, 501 dead birds were reported to the West Nile Hotline and 61 were submitted for testing, **twenty-two confirmed positive for WNV (37%)**: one in Martinez, two in Concord, one in Walnut Creek, one in Antioch, sixteen in Brentwood, one in Discovery Bay (see map below). The telephone hotline and bird testing program are closed for the season until May, but the public is encouraged to continue to report dead birds online year-round at [westnile.ca.gov](http://westnile.ca.gov) since we monitor those reports.



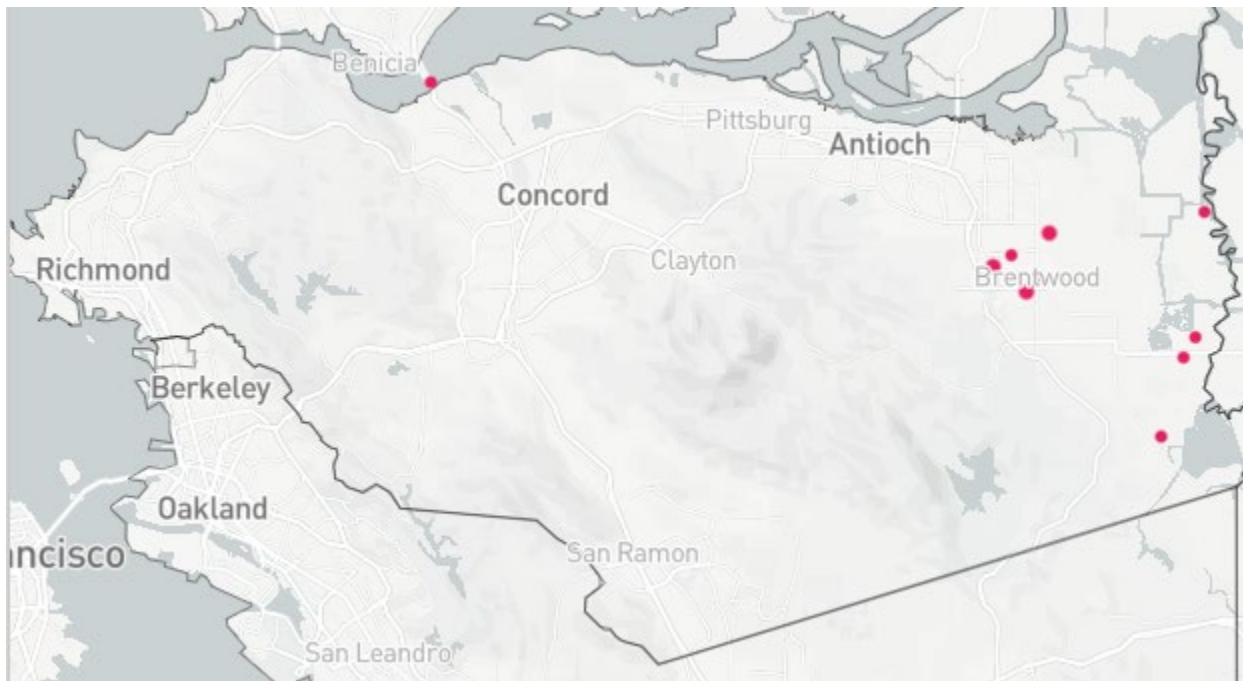
**Light trap counts:** Twenty-three traps are being operated daily year-round, with collections made weekly by field technicians (one trap, at the Pittsburg Golf course, has been temporarily discontinued due to power no longer being available at the original *site*. *Culex tarsalis* counts so far this year have been close to the 5-year average, while *Culex pipiens* counts have been above average (although well below one female per trap-night).



**Carbon dioxide traps:** Weekly trapping is scheduled to resume in late Spring of 2021.

**'Random' traps:** Weekly 'random' trapping is scheduled to resume in late Spring of 2021.

**Mosquito testing:** In 2020, 471 pooled mosquito samples from our CO<sub>2</sub> traps were submitted for testing; **thirteen** tested positive for WNV (1 Byron, 1 Palm Tract, 2 Discovery Bay, 8 Brentwood, 1 Martinez); 7 *Culex pipiens*, 6 *Culex tarsalis* (see map below; note some locations had more than 1 positive sample). Testing will resume in late Spring 2021.



**Larval samples:** Lab staff continues to process larval samples collected by field employees daily. In addition to species identification, larval samples are also used to monitor the effectiveness of our larval control program (pre- and post- treatment sampling).

**Sentinel chickens:** Seven sentinel chickens were reported positive for WNV in 2020 (two at Holland Tract, three at Ironhouse Sanitary District in Oakley, two near the Benicia Bridge in Martinez). Sentinel flocks were discontinued for the season at the end of October 2020 and will be re-installed at the same locations in April 2021.

**Other projects:** Lab staff has continued to collect ticks for CDPH, University of California and University of Nevada-Reno projects on *Rickettsia* and it has also continued to provide adult and larval mosquitoes of various species to North Carolina State University for a genetic study on species distribution in North America. We are also evaluating the Surveillance and Laboratory modules of the new MapVision (Leading Edge) software.

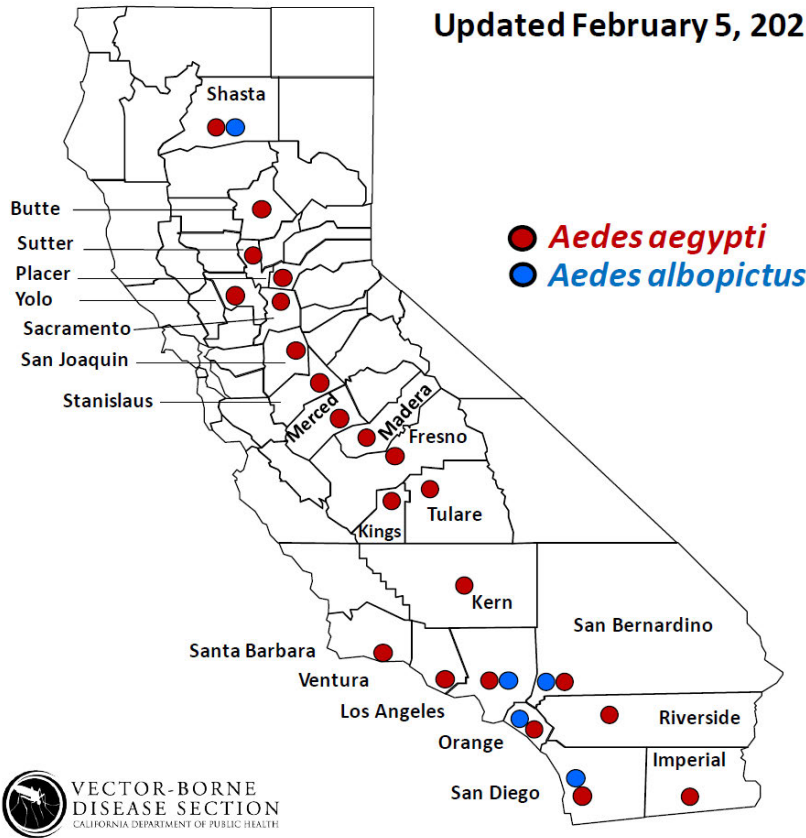
**Weather conditions:** Current average overnight low temperatures are below the 55 degree virus incubation threshold for West Nile virus. Rainfall is below average so far.

**Invasive Aedes:** We will continue to set 'BG Sentinel' traps at suspect locations as needed, but have not yet seen any evidence of invasive *Aedes* species in Contra Costa County. Statewide,

*Aedes aegypti* continue to spread, with new reports in 2020 from Santa Barbara and new areas in Sacramento including Isleton.

### *Aedes aegypti* and *Aedes albopictus* Mosquitoes in California by County/City

Updated February 5, 2021



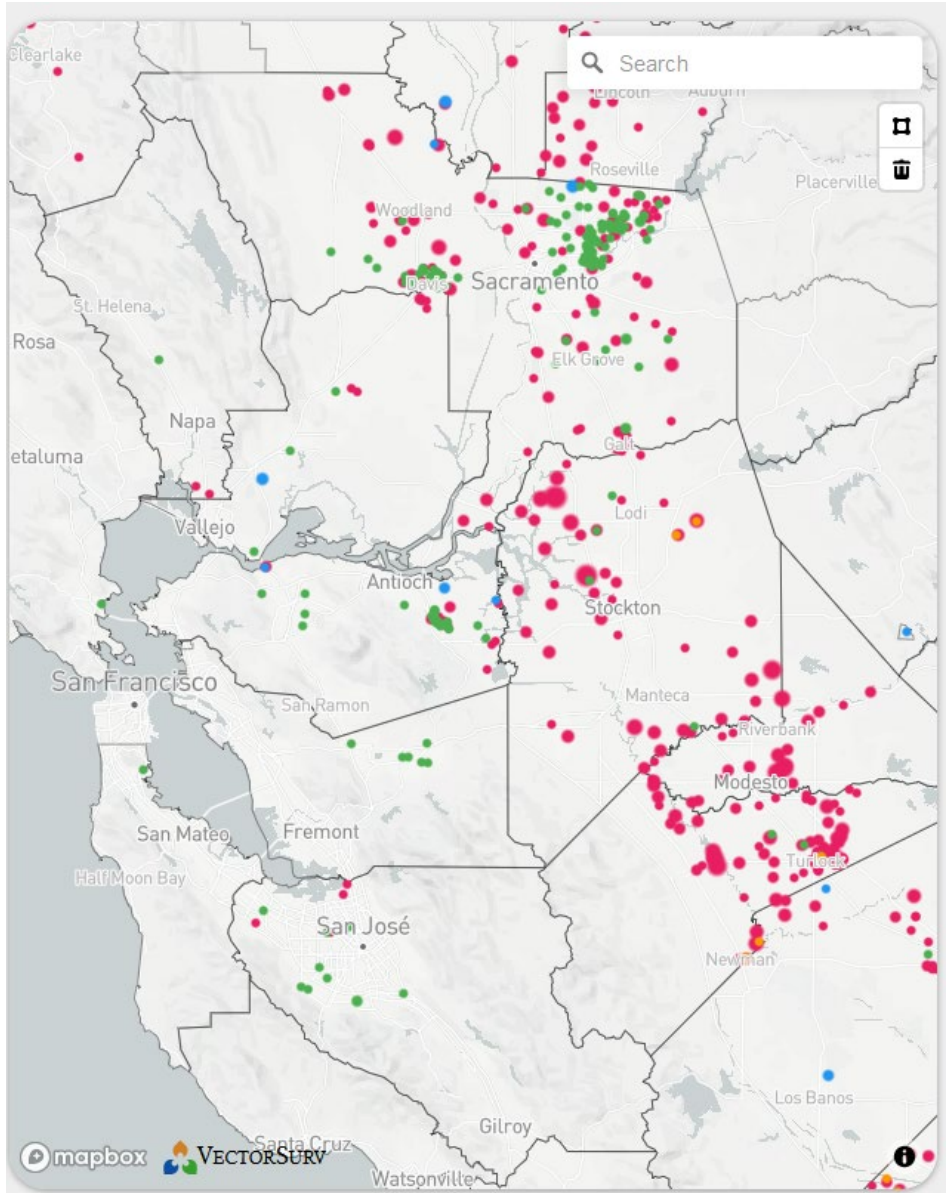
**Counties with *Aedes aegypti* only:**  
Butte, Fresno, Imperial, Kern, Kings, Madera, Merced, Placer, Riverside, Sacramento, San Joaquin, Santa Barbara, Stanislaus, Sutter, Tulare, Ventura, Yolo

**Both *Aedes aegypti* and *Aedes albopictus*:**  
Los Angeles, Orange, San Bernardino, San Diego, Shasta

See pages 2 – 8 for *Aedes* detections by city or census-designated place in each county.



**Regional:** In 2020, West Nile virus activity (positive dead birds and/or mosquito samples) was reported in Napa, Solano, Alameda, Marin, San Mateo, Santa Clara, Lake, Sacramento, Yolo and San Joaquin Counties. Mosquito samples positive for Saint Louis Encephalitis virus were reported in the Central Valley (including San Joaquin County). No West Nile virus activity has been reported so far in California in 2021.



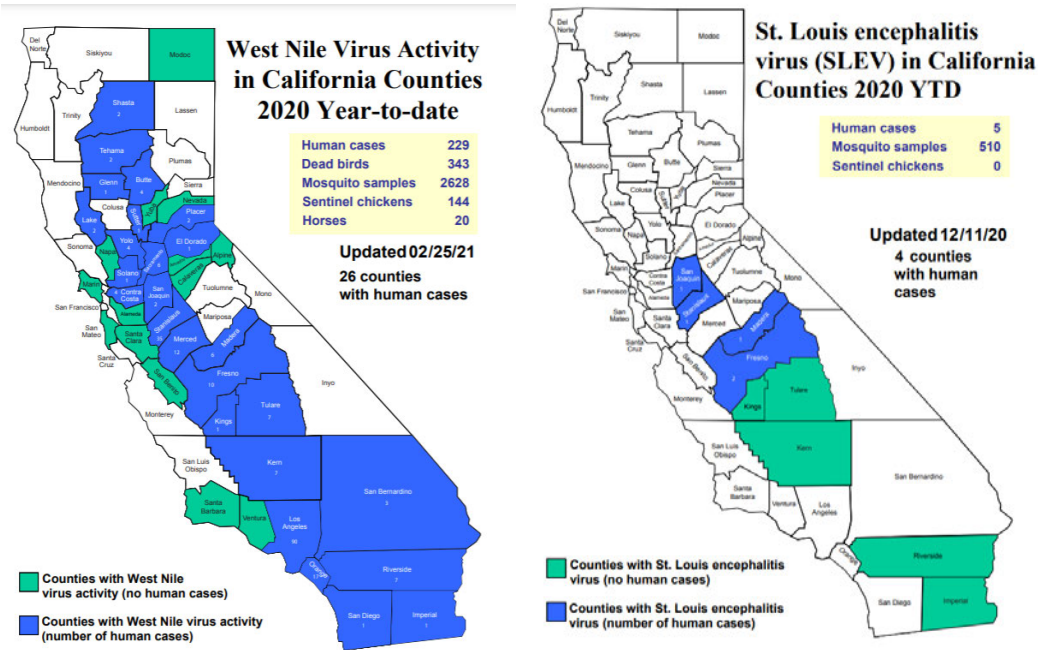
**WNV**  
Mosquitoes

**WNV**  
Sentinels

**WNV Dead**  
Birds

**SLEV**  
Mosquitoes

**Statewide:** In 2020, 229 confirmed human WNV disease cases and 5 SLE human cases were reported statewide this season (including 4 confirmed WNV cases in Contra Costa County).



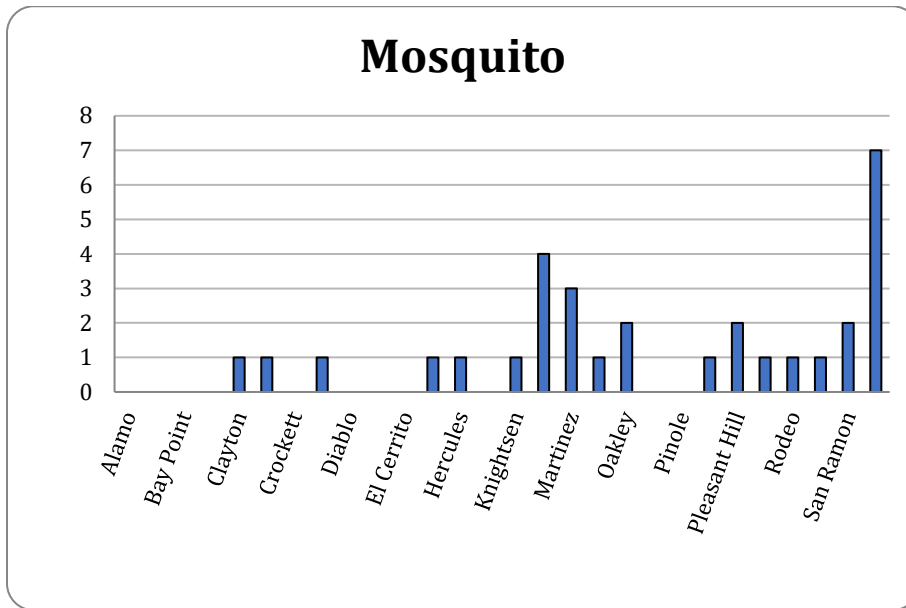
West Nile virus activity was well below the 5-year average in 2020. As of January 30th, **343** dead birds and **2,628** mosquito samples had tested positive for WNV. Saint Louis encephalitis positive mosquito samples were reported in nine Central Valley and Southern California counties with human cases in Madera, Fresno, Stanislaus and San Joaquin.



## February 2021 Operations Report

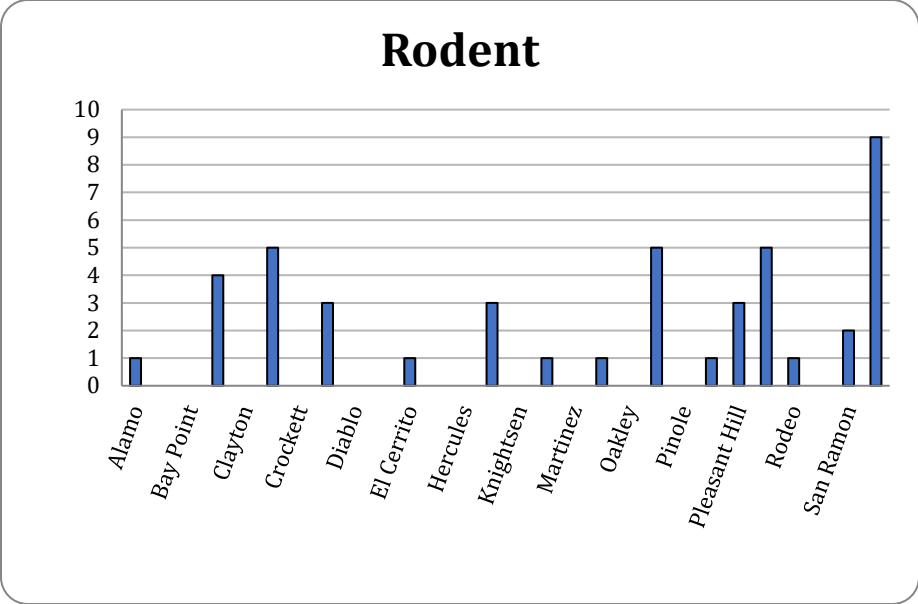
Prepared February 26th by David Wexler and Terry Davis, Program Supervisors

**Mosquito Program** - We have observed an 80% decrease on the number of service requests in February 2021 (14, 11 of them for mosquitofish) compared to February 2020 (73).

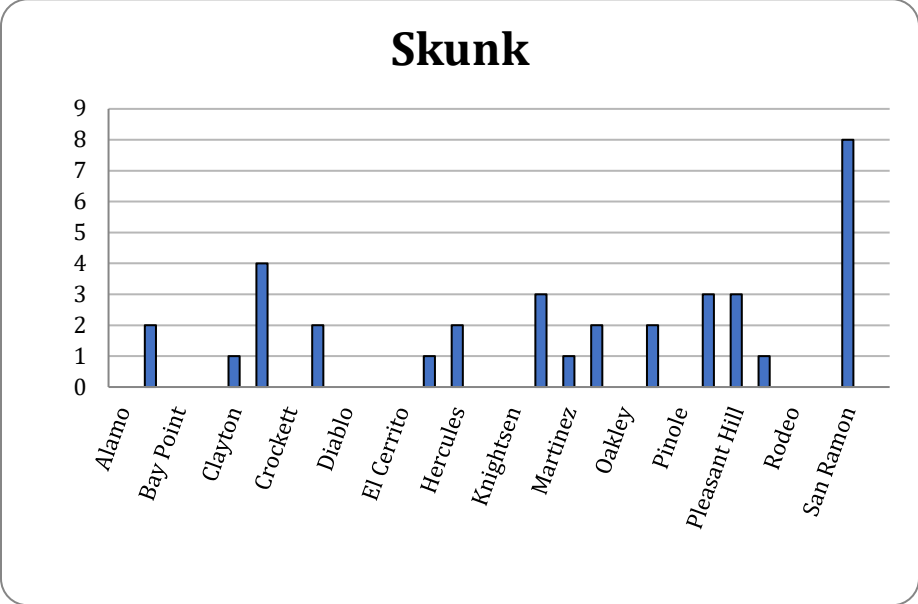


**Rodent Program** - We also observed a decrease on the number of service requests in February 2021 (36) when compared to 2020 (75). We continue to offer outside only rodent inspections as we follow safe social distancing requirements.

The District has been working with a Rodeo neighborhood where a homeowner has vacated the home and more than 50 pet rats were set free and allowed to become wild. Much progress has been made here and the problem should be resolved in the next couple of weeks. We also continue to work with Danville code enforcement trying to gain access to perform rodent inspections on two properties.



**Skunk Program-** In February 2021 we received 27 service requests for skunks, while in 2020, 67 skunk inspections were performed. Breeding season for skunks is January/February, skunks generally have established denning sites by now.



**Yellowjacket Program –** Following the trend with the other vectors in this report, we also observed a decrease on the number of service requests for yellowjackets in 2021 (only 2, both from Martinez) compared to 2020 (6). While this number is low, February

in general is an early start to yellowjacket activity. We have had record warm temperatures, no real freeze that helps to kill off some of the overwintering queens and the lack of rain may contribute to a strong yellowjacket population in 2021.

**Annual Pesticide safety and equipment training** – At this time of the year our staff is busy completing all required training. We plan to complete all training by the end of March. This year, due to COVID -19 policies, we have implemented training via Google Meet and Zoom. We have also modified how we conduct our annual respirator fit test and training. Employees who may be required to wear a respirator in the course of their daily duties are being fit tested. We have 5 sets of fit test hoods, which are used by the employee during the test and 5 nebulizers which administer the fit testing solution into the hood. Each hood and nebulizer are cleaned and sanitized after each employee's fit testing is complete and only 5 employees are tested each day. In addition to training, employees are completing their winter work and calibrations of equipment.

## February 2021 Public Affairs Department Report

Prepared February 26<sup>th</sup>, 2021 by Nola Woods, Public Affairs Director

- Planning and Preparation
  - January and February of each year are typically time for planning and preparation for upcoming events and presentations, advertising, and outreach. Department staff participate in Annual Training and work to complete the Annual Report each January and February.
- Presentations & Events
  - Events and presentations are rare at the start of each year. Also, due to the COVID-19 pandemic, there were no events, nor presentations scheduled or performed in January or February.
- Advertising
  - The District's "Back to Basics" advertising campaign continued to appear in publications and on the Internet in January. No advertising was planned for the month of February.
    - Internet Banner Ads
      - Target Area: All of Contra Costa County
      - January Ad: Skunks
    - Brentwood Press (Free to residents)
      - Target Area: Brentwood, Discovery Bay, Bethel Island, Oakley, and Antioch
      - January Ad: Skunks



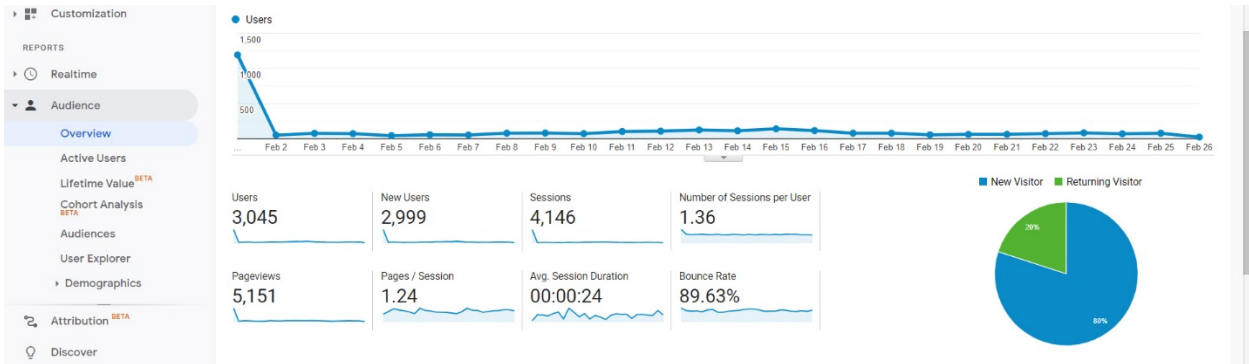
- District Website
  - Website Visitors January 1-31, 2021 (Comparison to January 2020 below)



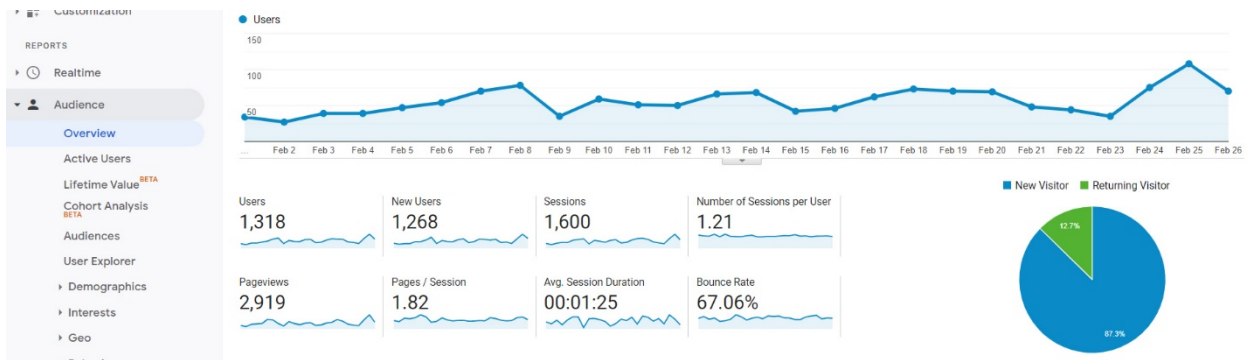
○ Website Visitors January 1 – 31, 2020



○ Website Visitors February 1-25, 2021 (Comparison to February 2020 below)



○ Website Visitors February 1-25, 2020



- Website Views – Top 10 Pages viewed January 1-31, 2021  
(Comparison to January 2020 below)

Page ?	Pageviews ? ↓	Unique Pageviews ?	Avg. Time on Page ?
	<b>6,920</b> % of Total: 100.00% (6,920)	<b>6,174</b> % of Total: 100.00% (6,174)	<b>00:02:08</b> Avg for View: 00:02:08 (0.00%)
1. /rodents_virus_risk.htm	<b>2,656</b> (38.38%)	2,524 (40.88%)	00:06:11
2. /thrive_sk_20.htm	<b>1,482</b> (21.42%)	1,268 (20.54%)	00:01:05
3. /index.html	<b>652</b> (9.42%)	491 (7.95%)	00:00:59
4. /surefire_ways_article.htm	<b>184</b> (2.66%)	182 (2.95%)	00:03:32
5. /mites.htm	<b>180</b> (2.60%)	171 (2.77%)	00:05:06
6. /service_request.htm	<b>169</b> (2.44%)	140 (2.27%)	00:03:10
7. /skunks.htm	<b>110</b> (1.59%)	98 (1.59%)	00:04:37
8. /agendas_minutes.htm	<b>109</b> (1.58%)	74 (1.20%)	00:02:25
9. /covid_19.htm	<b>102</b> (1.47%)	83 (1.34%)	00:01:50
10. /rats_mice.htm	<b>70</b> (1.01%)	60 (0.97%)	00:01:05

- Website Views – Top 10 Pages viewed January 1-31, 2020

Page ?	Pageviews ? ↓	Unique Pageviews ?	Avg. Time on Page ?
	<b>2,797</b> % of Total: 100.00% (2,797)	<b>2,338</b> % of Total: 100.00% (2,338)	<b>00:01:38</b> Avg for View: 00:01:38 (0.00%)
1. /index.html	<b>733</b> (26.21%)	562 (24.04%)	00:01:03
2. /rats_mice_propel_19.htm	<b>258</b> (9.22%)	217 (9.28%)	00:00:52
3. /service_request.htm	<b>236</b> (8.44%)	199 (8.51%)	00:03:36
4. /rodents_virus_risk.htm	<b>178</b> (6.36%)	171 (7.31%)	00:04:34
5. /employment_opportunities.htm	<b>174</b> (6.22%)	147 (6.29%)	00:01:26
6. /services_programs.htm	<b>87</b> (3.11%)	76 (3.25%)	00:01:17
7. /rats_mice.htm	<b>79</b> (2.82%)	68 (2.91%)	00:01:15
8. /mites.htm	<b>74</b> (2.65%)	67 (2.87%)	00:06:27
9. /skunks.htm	<b>73</b> (2.61%)	62 (2.65%)	00:01:22
10. /staff.htm	<b>71</b> (2.54%)	62 (2.65%)	00:02:23

- Website Views – Top 10 Pages viewed February 1-25, 2021  
(Comparison to February 2020 below)

Page ?	Pageviews ? ↓	Unique Pageviews ?	Avg. Time on Page ?
	<b>5,151</b> % of Total: 100.00% (5,151)	<b>4,739</b> % of Total: 100.00% (4,739)	<b>00:01:41</b> Avg for View: 00:01:41 (0.00%)
1. /bot-traffic.icu	<b>1,957</b> (37.99%)	1,952 (41.19%)	00:00:00
2. /rodents_virus_risk.htm	<b>915</b> (17.76%)	859 (18.13%)	00:04:49
3. /index.html	<b>539</b> (10.46%)	426 (8.99%)	00:00:51
4. /mites.htm	<b>176</b> (3.42%)	167 (3.52%)	00:04:49
5. /service_request.htm	<b>138</b> (2.68%)	112 (2.36%)	00:02:12
6. /covid_19.htm	<b>98</b> (1.90%)	80 (1.69%)	00:02:14
7. /agendas_minutes.htm	<b>81</b> (1.57%)	64 (1.35%)	00:01:38
8. /rats_mice.htm	<b>81</b> (1.57%)	64 (1.35%)	00:01:00
9. /trustees.htm	<b>72</b> (1.40%)	71 (1.50%)	00:01:31
10. /contact.htm	<b>58</b> (1.13%)	47 (0.99%)	00:01:21

- Website Views – Top 10 Pages viewed February 1-25, 2020

<input type="checkbox"/>	Page ?	Pageviews ? ↓	Unique Pageviews ?	Avg. Time on Page ?	Er
		<b>2,919</b> % of Total: 100.00% (2,919)	<b>2,336</b> % of Total: 100.00% (2,336)	<b>00:01:43</b> Avg for View: 00:01:43 (0.00%)	
<input type="checkbox"/>	1. /index.html	<b>743</b> (25.45%)	563 (24.10%)	00:00:50	
<input type="checkbox"/>	2. /rodents_virus_risk.htm	<b>349</b> (11.96%)	325 (13.91%)	00:05:18	
<input type="checkbox"/>	3. /service_request.htm	<b>235</b> (8.05%)	194 (8.30%)	00:03:20	
<input type="checkbox"/>	4. /mites.htm	<b>124</b> (4.25%)	104 (4.45%)	00:07:29	
<input type="checkbox"/>	5. /services_programs.htm	<b>95</b> (3.25%)	75 (3.21%)	00:01:30	
<input type="checkbox"/>	6. /employment_opportunities.htm	<b>86</b> (2.95%)	74 (3.17%)	00:04:42	
<input type="checkbox"/>	7. /staff.htm	<b>81</b> (2.77%)	68 (2.91%)	00:01:49	
<input type="checkbox"/>	8. /contact.htm	<b>78</b> (2.67%)	64 (2.74%)	00:01:03	
<input type="checkbox"/>	9. /about_us.htm	<b>72</b> (2.47%)	29 (1.24%)	00:00:50	
<input type="checkbox"/>	10. /ccmvcd_faq.htm	<b>64</b> (2.19%)	54 (2.31%)	00:02:01	

- Publications

- Annual Report

- January and February are the months of writing and review for the District's Annual Report. As such, there were no Mosquito Bytes newsletters distributed in January or February 2021.

- Constant Contact Subscribers

- Constant Contact is how the District distributes Mosquito Bytes newsletters.

- January 2021
  - 1319 Subscribers
- January 2020
  - 1259 Subscribers
- February 2021
  - 1321 Subscribers
- February 2020
  - 1276 Subscribers

- Employee Newsletter

- The employee newsletter remains an important way to communicate with District employees, particularly while in person interactions are at a minimum due to the pandemic. Employees are required to read each newsletter.

- On January 8, 2021, the Public Affairs Department distributed an employee newsletter focused on general information various District departments including instructions on winter work stations and the District's COVID Prevention Plan (CPP).
- On February 10, 2021, the Public Affairs Department distributed an employee newsletter specifically focused on reducing the number of rumors at the District in an effort to improve employee morale.





- Social Promotion
  - Twitter
    - January 1-31, 2021
      - 2,000 Impressions (Number of times users saw our existing tweets on Twitter)
      - 1381 Total Followers
    - January 1-31, 2020
      - 2178 Impressions
      - 1349 Total Followers
    - February 1-25, 2021
      - 905 Impressions
      - 1380 Total Followers
    - February 1-25, 2020
      - 2496 Impressions
      - 1350 Total Followers
  - Nextdoor
    - January 1, 2021 – February 25, 2021
      - 170 Recommendations (Total Neighbor Recommendations)
      - 1,180 Neighborhoods (Where the District Appears in Search Results)
      - 504,768 Neighbors (People who can Search for the District's Page)
        - As more Contra Costa County residents, from different areas of Contra Costa County recommend the District, the larger our reach will become.
        - We cannot see conversations, nor correct misinformation unless someone makes a public recommendation of the District or asks a question of the District.

## February 2021 Administration Department Report

Prepared February 25<sup>th</sup>, 2021 by Maria Bagley, Administrative Services Manager

- **COVID-19**

The Administration department reviewed the regulations of the FFCRA and contacted the IRS for our “tax” status, which had been filed with them back in 1957. Based on how we file as a government entity we were not entitled to any tax credits from the District’s employees who took leave in 2020. This meant the District had to refile federally “amended 941 returns”.

- **Beginning of the year means lots of administrative work...**

The Administration department worked through getting all employees and trustees W2s, along with tax filings to close the quarter with both the state and federal agencies. District staff created new auditing checks and balances for the W2 process and added the retirement contribution to the W2. Adding the mandatory retirement contribution is not a required field but is considered a better business practice.

- **IT & Software**

IT has been continuing to work on upgrading our computer systems and firewall to make sure our District networks are more secure.

SAP Concur is ready to launch in parallel mode for all District staff.

Implementation of the operational software MapVision is underway and meetings on specific District configurations are occurring. We are still planning to launch (go live) in March 2021.

- **Remote work**

District office staff are alternating between working remotely and in the office. In-office staffing levels were reduced to minimize the risk of potential transmission of COVID-19. Staff is connecting via hangouts and zoom and all deadlines are being met.

- **Continuing with automation opportunities**

Front office staff is continuing to push forward with all automation processes. Since the last Board meeting, the front office has successfully implemented new processes in bank reconciliation by creating an API (application programming interface) in the accounting system SAGE from the District’s banking providers. This is reducing the time and reducing the errors!

The District has also successfully implemented all accounts receivables for the retiree medical in the accounting software, this assists with running reports to review any aging accounts and it also allows the retirees, if desired, to receive an invoice via email on a monthly basis.

- **Accounts Payable & Remote work**

At the start of the pandemic, businesses that had not already automated their accounts payable processes were forced to face how they would run this A/P process if their employees could not travel or be in the office. The District saw a decrease in invoicing, as well as accounts showing as past due despite the District issuing checks to these vendors.

The District quickly pivoted and paper invoices and checks that have been sent to empty offices are now being issued via electronically by ACH. We currently have 20% of vendors accepting our ACH payments, and we are looking to increase this to 50% by the end of 2021. This process still follows the approvals that were implemented in early 2019. Not only is it quicker and more efficient, it also has reduced the cost for the District and vendors, making this process more efficiently managed and at a lower cost point. The typical cost of an ACH payment is \$.03 versus a check at \$.95 plus the cost of the stamp at \$.55.

- **General**

The District is continuing to digitalize all records and files and reorganize them. The ability to have access to these files at any time has enabled us to respond faster to requests from all customers, residents and vendors. We are continuing to increase our organizational efficiency, by working on our systems and processes one project at a time. We will be continuing this process throughout 2021.



# **2020 Annual Operations Report**

Prepared by Steve Schutz, Ph.D., Scientific Programs Manager  
Submitted to the CCMVCD Board of Trustees on March 8th, 2021

## **1. Introduction and Summary**

CEQA, the California Environmental Quality Act, requires all state and local agencies in California to evaluate and publicly report on the potential environmental impacts of their discretionary activities and to mitigate those impacts which could be significantly adverse. In March 2016, in order to ensure the fullest possible compliance with CEQA, the District completed a full Programmatic Environmental Impact Report (PEIR) which included a comprehensive review of all District practices and policies, potential environmental impacts, and mitigation measures used to minimize or eliminate potential impacts. Although CEQA regulations do not mandate annual updates unless there are significant changes in our program, District staff has continued to produce an annual Operations Report. This report summarizes District activities during 2020, in comparison with the previous ten years.

The District has long emphasized environmental stewardship while accomplishing its public health mission, primarily through strict adherence to an IPM (Integrated Pest Management) approach to the control of mosquitoes and other vectors of human disease. As such, District policies emphasize training, vector and pathogen surveillance, the integration of biological and physical control practices with chemical control (public health pesticides), and the judicious use of appropriate control tools only when vectors exceed specific thresholds. During 2020, there were no new or extraordinary District activities or substantial changes in District policies which could have caused significant environmental impacts, and there were no substantial new regulations or research results which alter the conclusions in our PEIR regarding actual or potential environmental impacts.

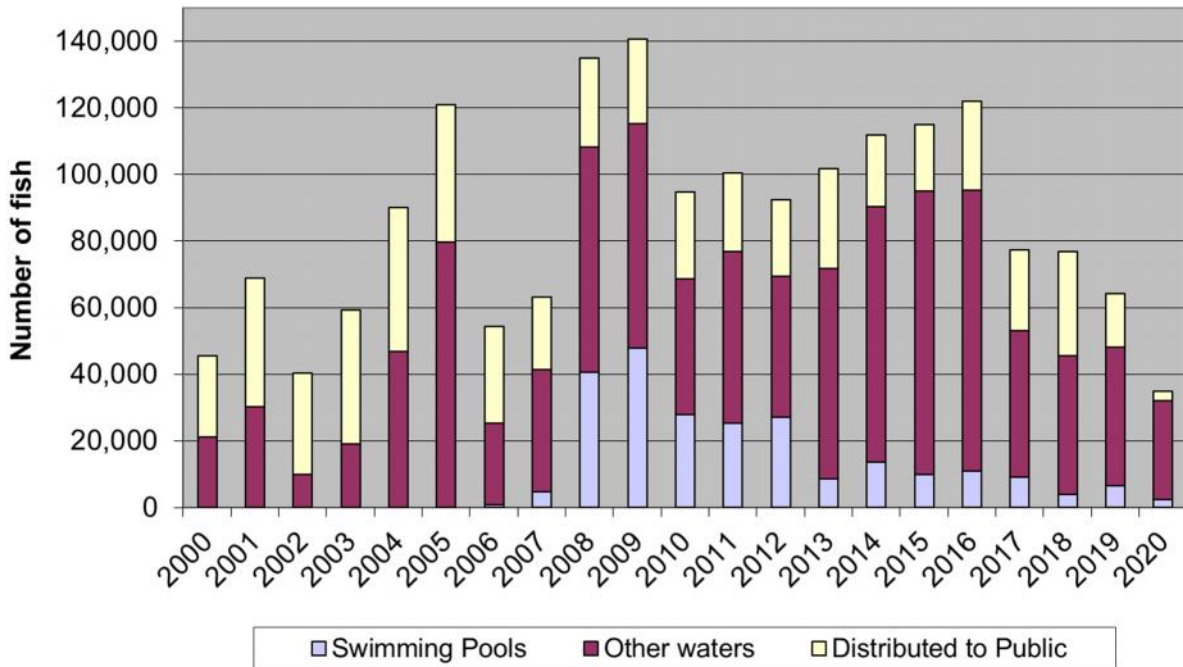
## **2. Biological Control of Mosquitoes**

District staff has traditionally implemented a four-pronged approach to biological control of mosquitoes. The general elements of biological control used by the District are 1) rearing, stocking, and providing for limited public use the mosquitofish (*Gambusia affinis*) to eat larval mosquitoes in sites where mosquitofish are unlikely to cause significant adverse impacts on native species; 2) a program to identify, develop, and evaluate additional biocontrol agents that can be produced at reasonable cost; 3) collaboration with land-owners and managers to implement land and water management practices that protect and support populations and dispersal of native mosquito predators; and 4) policies and training designed to protect native predators.

In 2020, District staff stocked approximately 32,300 mosquitofish. The total number of fish stocked was lower than the previous year, due in part to a substantial reduction in fish distributed to the public (Figure 1). Artificial sources like unmaintained swimming pools continue to produce substantial numbers of mosquitoes, but the number of such sources varies with changing economic conditions. Fish stocking in pools continues to be a critical tool for addressing West Nile virus in urban and suburban areas, and poses essentially no environmental risk. Year-to-year variations in stocking in natural waters and other traditional sites (horse troughs, etc.) are due primarily to weather patterns that change the extent of appropriate stocking sites. Although the District continues to study potential use of native fish for mosquito control, mosquitofish stocking in natural sites will most likely continue at similar rates in upcoming

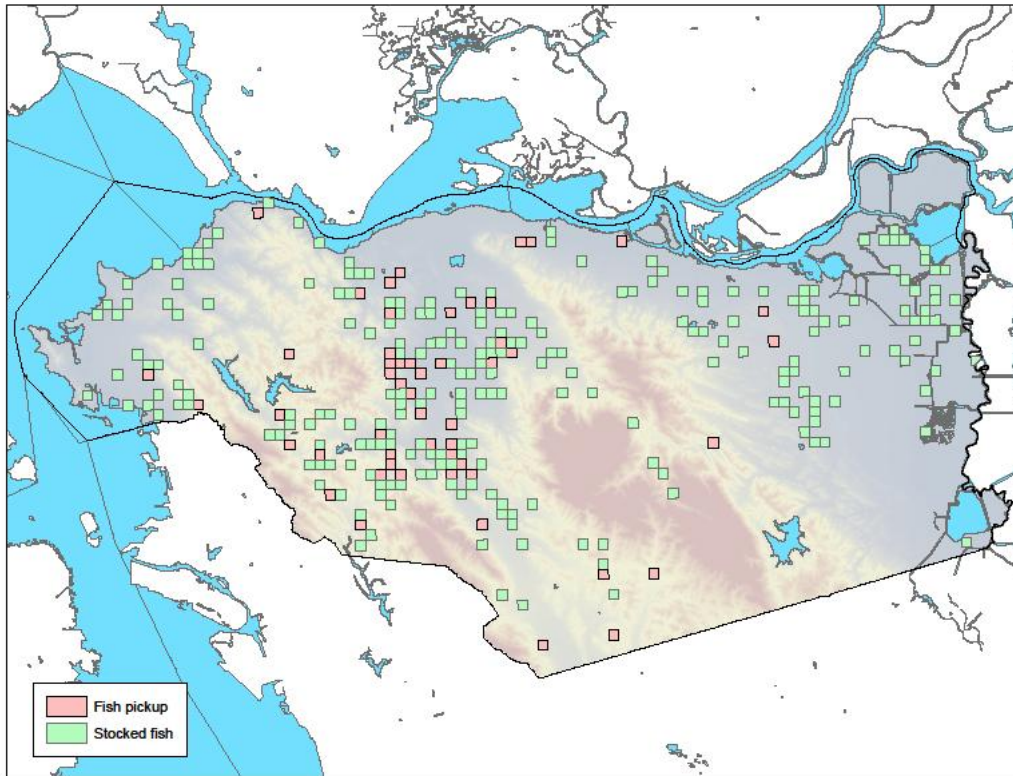
years. There was no substantial new research published nor regulations issued in the past year on the potential environmental consequences of mosquitofish.

## Fish Stocking 2000-2020



**Figure 1:** Use of mosquitofish for biological control, 2000 - 2020.

The District also distributed 2,842 mosquitofish to members of the public during this period, with instructions that these were for use only in contained water bodies (ornamental ponds, horse troughs, etc.). This number was low compared with the last five years because of the temporary suspension of walk-in ‘fish pickups’ due to the ongoing COVID-19 pandemic. Fish were instead delivered by District field staff by appointment only. While this was less convenient for the public, it did afford our technicians the opportunity to assess whether the site was suitable for fish, inspect potential mosquito sources and educate residents on other ways to prevent mosquito problems. All public “walk-ins” and fish deliveries are logged by the District, with the mosquito habitat type and number of fish recorded as well as the name and address of the person obtaining fish. This information is tracked electronically through our VXS database, which enables mapping of locations where fish are being stocked by the public (Fig. 2). To ensure that fish releases are appropriate, the District provides information on appropriate stocking locations and densities to the public at the time of fish dispersal.



**Figure 2.** Locations (map coordinates) where mosquitofish were stocked by District technicians or by the public (“Fish pickup”) in 2020.

While the mosquitofish remains the District's first choice for biological control, the District continues to be a lead agency for research on aquaculture and biological control capacity of California native fishes including Sacramento perch, California roach and Sacramento hitch. Because they are native species, the District has been exploring their potential to replace or augment mosquitofish and other aquatic mosquito predators in various sites, and significant in-house production and field releases have led to successful establishment in many moderate-sized permanent water bodies where the adults should be able to establish sustainable breeding populations over time. In 2020, our Biologist continued several native fish projects, including spawning Sacramento splittail, hardhead, and Sacramento perch. Various planned environmental education projects had to be postponed indefinitely due to COVID, and additional field stocking of native fishes is still being held up in California Department of Fish and Wildlife’s (CDFW) permitting process.

A high priority of the District is collaboration with land-owners on improving land and water management to reduce mosquito production while maintaining other desirable ecological functions of the sites, and a major focus of this work is manipulating habitats to promote the survival, reproduction, and dispersal of natural aquatic predators, including fish and aquatic invertebrates such as water beetles and juvenile dragonflies. Target sites include refinery ponds, stormwater treatment facilities, irrigated pastures, duck clubs, sewer treatment marshes, etc. Environmental protection in these projects is ensured through close collaborations with resource

and permitting agencies (CDFW, the Regional Water Quality Control Board (RWQCB), the Army Corps of Engineers (ACE), the Bay Conservation and Development Commission (BCDC), etc.), as well as with land-owners. Two sub-activities, Physical Control/Source Reduction and Vegetation Management, have been traditionally distinguished in this report, and are discussed below.

Finally, training and treatment protocols for pesticide use emphasize protection of predators when they are present in sites with mosquito larvae. The District's larvicide treatment protocols request field inspectors to observe whether a mosquito-producing site also has the presence of any significant populations of predators, and if so, to avoid pesticides or to use the pesticide with the least possible impact on natural predators if mosquito populations are sufficient to require prompt treatment.

### **3. Physical Control**

The District actively works with RWQCB, Contra Costa County Clean Water Program (CCCWP) and other agency staff and property managers to facilitate maintenance of conditions that encourage desirable species while discouraging mosquitoes, and also to reduce the need for staff time (for inspection and control) and for pesticide applications to sites where maintenance is not consistent. The District's Vector Control Planner facilitates such interactions. Some existing stormwater detention projects have become significant mosquito sources and disease risk foci due to inadequate design and/or maintenance, and our staff has been working closely with the responsible local authorities to correct these conditions, with some noteworthy success. Evaluations of past District source reduction projects continue to indicate that the environmental consequences of these projects have been positive and that increases in tidal action and proactive water management have particularly benefited a range of wetland-dependent native species.

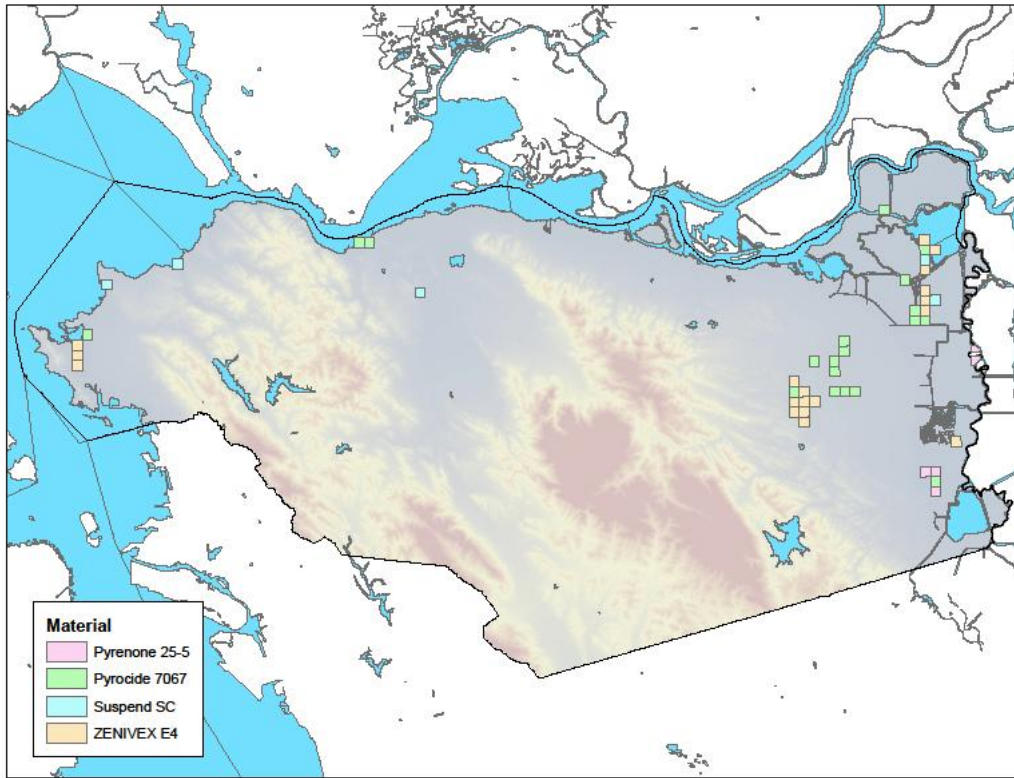
### **4. Vegetation Management**

The District did not apply any chemical herbicides in 2020. Vegetation management was conducted with hand tools ("brushing") as needed to allow access for vector surveillance as in past years. No significant or unanticipated problems were encountered.

### **5. Chemical Control (Pesticides)**

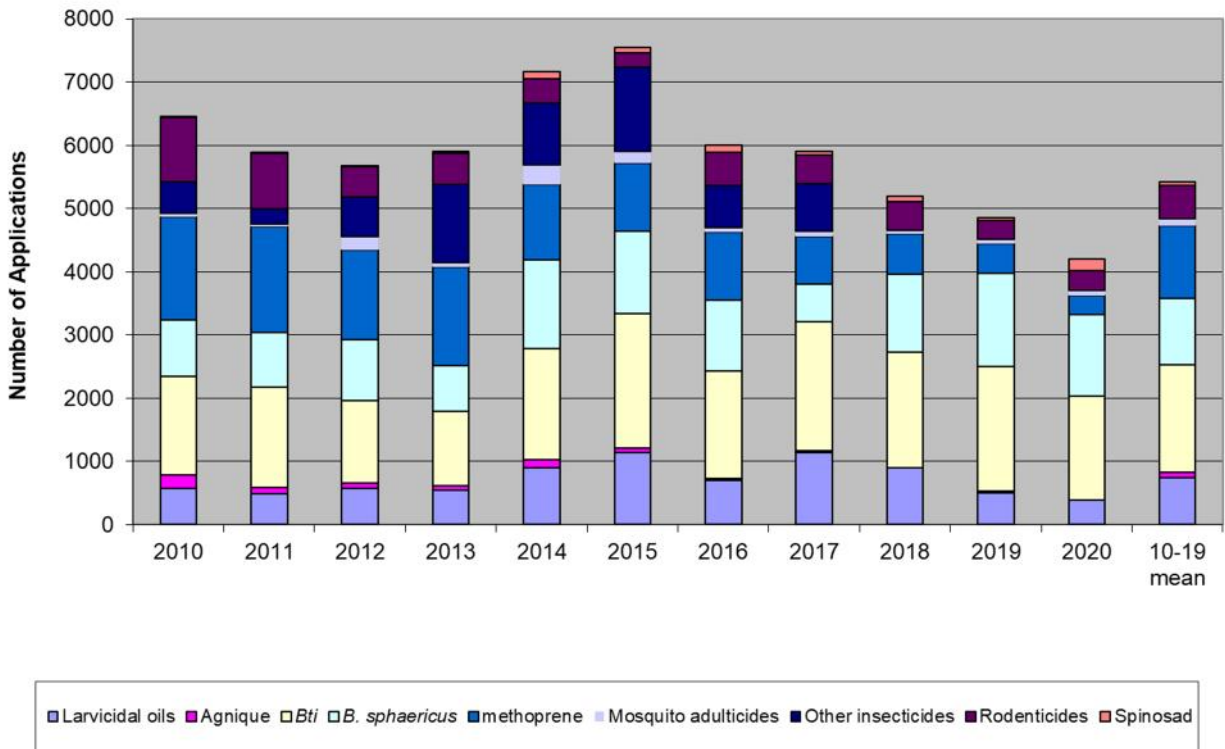
The attached tables compare 2020 pesticide use with the previous ten years individually and with ten-year averages. The quantity applied is reported as the total amount (pounds) of active ingredients applied. Overall pesticide use was lower in 2020 vs. 2019 (ca. 4,200 lb) (Fig. 5). The long-term trend has been a reduction in the use of larvicidal oils in favor of bacterial larvicides and growth regulators (Table 1). As in previous seasons, adulticides were applied in small quantities using vehicle-mounted ULV (ultra-low volume) or hand foggers in specific rural and residential areas where West Nile virus risk and/or adult mosquito counts were elevated (Fig. 3).





**Figure 3.** Map coordinates within which adulticides were used in 2020, by material

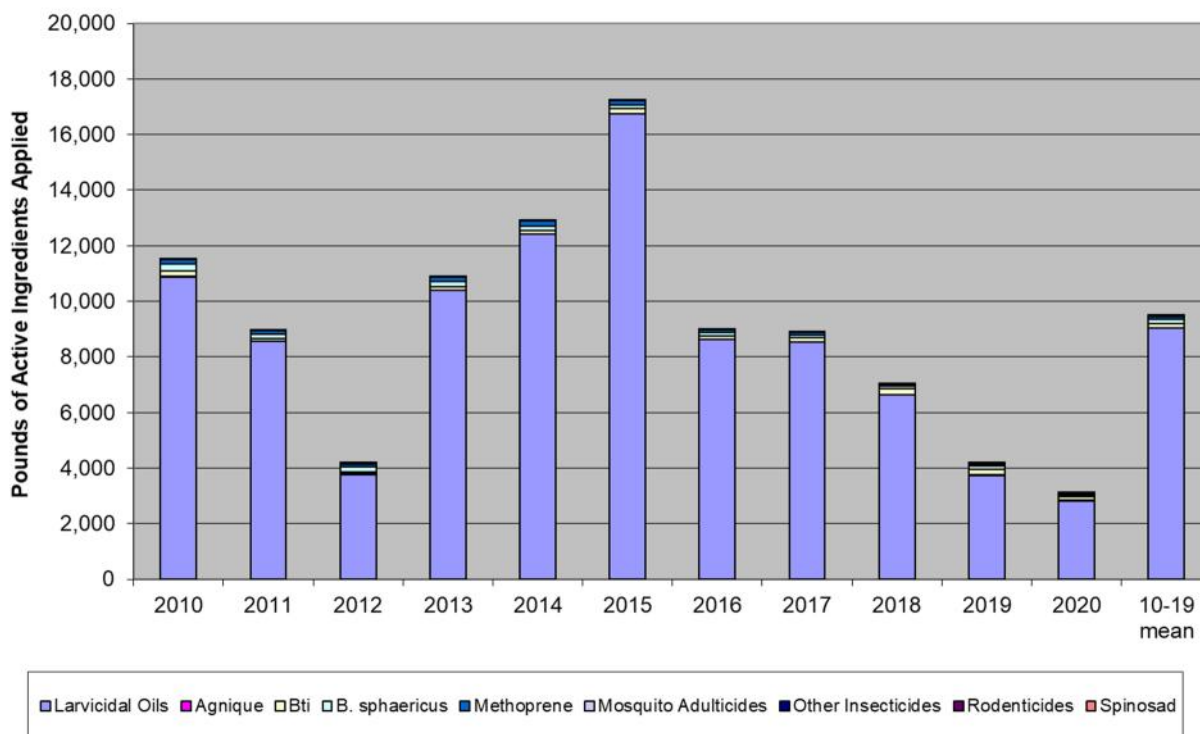
### Pesticide Applications 2010-2020



**Figure 4.** Number of pesticide applications\* in 2020, by material  
 \*see text for explanation

Mosquito larvicides dominate the District’s pesticide applications (Fig. 4), and four active ingredients dominate the District’s larvicide applications. In terms of number of applications, the insect growth regulator methoprene and the bacterial pesticides *Bacillus thuringiensis israelensis* (*Bti*) and *Bacillus sphaericus* (*Bs*), which are considered “biopesticides” by EPA and “least toxic pesticides” by virtually all regulators, are the larvicides of first choice at the District. These products continue to replace larvicidal oils such as GB-1111 and BVA. These light mineral oils, in contrast to all other products, are nearly 100% active ingredient and are applied at much higher quantities per acre (up to five gallons/acre in dense vegetation) since they must cover the entire surface area of the source with a thin film in order to suffocate air-breathing mosquito larvae. Therefore, they continue to dominate Figure 5, which shows pounds of active ingredient applied each year. Larvicidal oils are the only products currently used by the District that reliably control mosquito pupae, and therefore these products may continue to be used whenever mosquito pupae are encountered at densities exceeding our control thresholds.

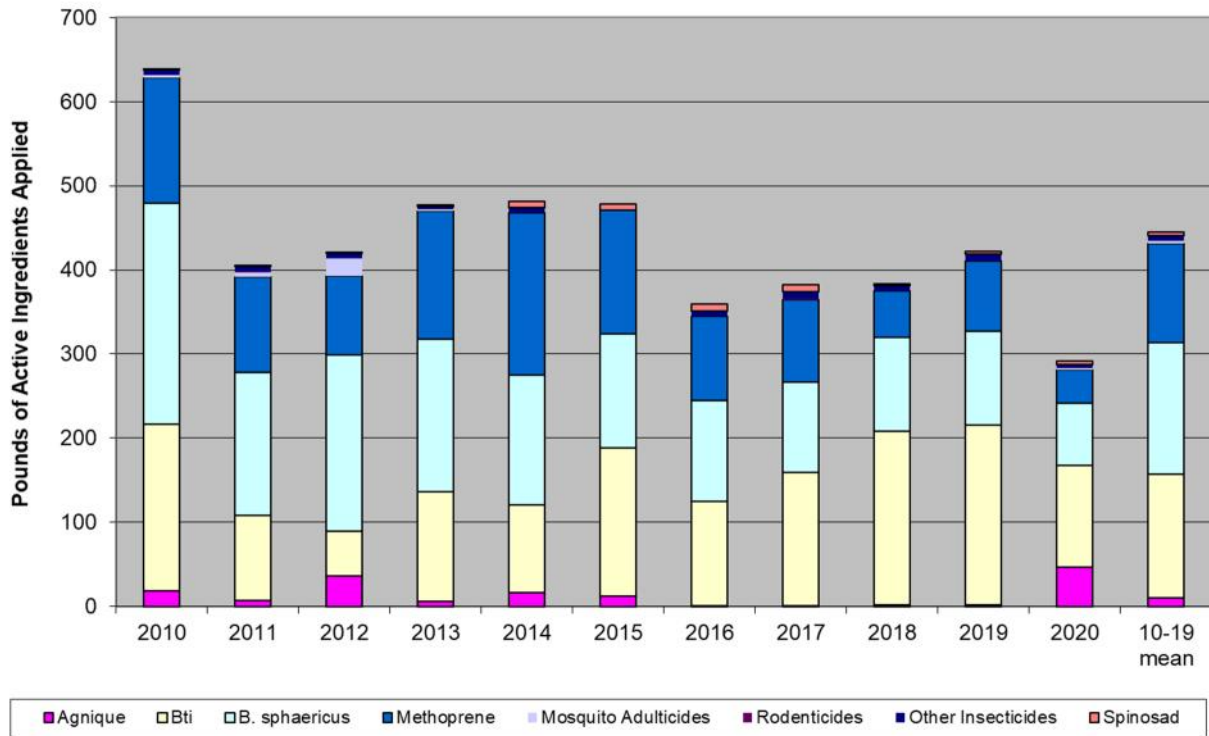
### Pesticide Quantities 2010-2020



**Figure 5.** Amount of pesticide applied by material (pounds of active ingredient)

Because of the dominance of larvicidal oils in terms of pounds of active ingredient used annually, Figure 6 shows pesticide quantities with this product excluded to better compare the other products. Agnique, an alternative non-oil-based surface film, continued to be used in small quantities in 2020. Agnique continues to be useful in swimming pools and other artificial containers, but not in open-water situations where wind and emergent vegetation tend to disrupt the film. Some new formulations of methoprene and *B. sphaericus*, and combinations of *Bti* with *B. sphaericus* and methoprene have been introduced in recent years, but present no potential new environmental consequences. Natular™, containing the active ingredient spinosad, a bacterial fermentation product, continues to be used operationally in small amounts. Since it is similar or lower in risk classification than other biopesticides already in use by the District, it is not expected to have any significant environmental impact. It is also useful in rotation with other larvicides to reduce the likelihood of resistance developing in our local mosquito populations.

### Pesticide Quantities (w/o Larv. Oils) 2010-2020

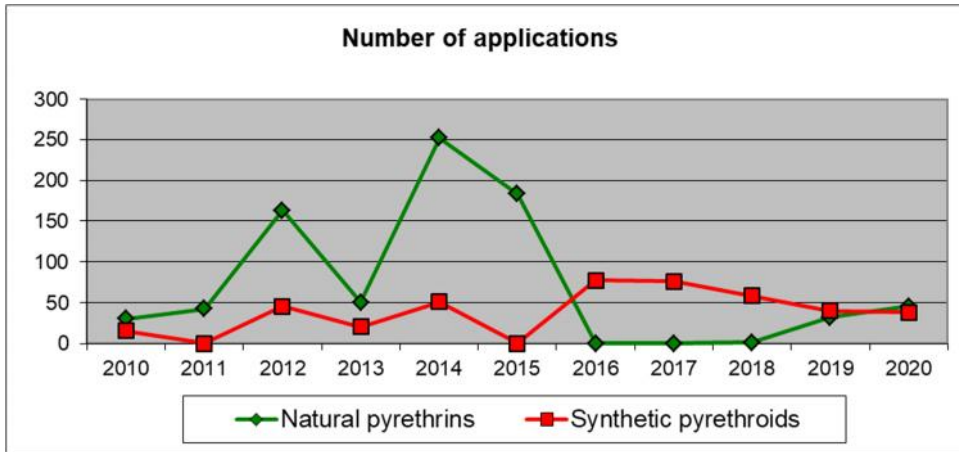


**Figure 6.** Amount of pesticide applied by material (pounds of active ingredient), excluding oils

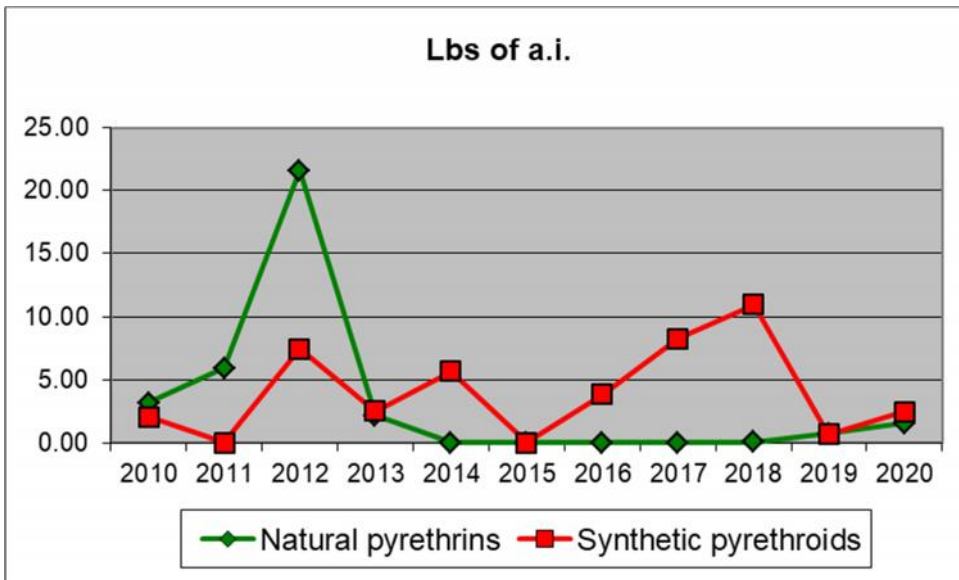
District use of mosquito adulticides, in terms of quantity, was higher in 2020 than the previous year due to increased West Nile virus activity, but still well below the 10-year average. Overall, use of adulticides continues to be very small in comparison with larvicide use in terms of the number of applications (Fig. 4), the total amount of active ingredient applied (Fig. 6), and the area treated, in keeping with the District’s policy of preventing adult mosquito outbreaks through larval control whenever possible. *\*Please note that the ‘number of applications’ in the tables and figures counts every applicator, every piece of machinery and (in the case of adulticides) every map coordinate treated as an ‘application’, whether done by the District or by a contract applicator, and thus may not match application counts and material quantities reported to the County Agricultural Commissioner or the District’s website (which reports specific spray events individually, without reporting on how many employees were involved or how many map coordinates were treated).*

Adulticides used by the District in 2020 included the synthetic pyrethroids Zenivex (etofenprox) and Suspend (deltamethrin) and small amounts of the natural pyrethrins products Pyrenone and Pyroicide. Unlike other pyrethrins/pyrethroid products, Zenivex does not contain piperonyl butoxide (PBO) as a synergist and is thus regarded as a ‘reduced risk’ material. Historically, our usage of synthetic pyrethroids had been low compared with natural pyrethrins (Fig. 7a,b); however, availability of natural pyrethrins varies from year to year, and there have been concerns about the presence of genes responsible for pyrethrin resistance in California

mosquito populations, making it prudent not to depend on a single class of products. Resistance testing of *Culex tarsalis* collected in the Martinez waterfront area has demonstrated that this population is still susceptible to the active ingredient in Zenivex. We maintain a colony of fully susceptible *Culex tarsalis* in our insectary to provide a control group for resistance testing.



**Figure 7 a.** Number of adulticide applications by class of material.



**Figure 7b.** Amount of a.i. applied by class of material

Applications of other insecticides by the District were limited to the pyrethroid dust product, Drione, used to control yellowjackets. Usage of this material against ground-nesting yellowjackets was lower in 2020 due to a reduction in yellowjacket service requests.

The number of rodenticide applications by District personnel was slightly higher in 2020 vs. 2019, and the total quantity of rodenticide active ingredients applied remained about the same (<0.01 lb), less than 2/10 ounce of active ingredient (due to the very low percentage of a.i. in these

bait-based products). This low level of rodenticide usage has continued even as the District's rodent control program has continued to expand, reflecting the District's focus on education and rodent exclusion, as well as increasingly sophisticated baiting practices. The modes of application continued to minimize the likelihood of accidental contact by the public, pets, or non-target wildlife. District policy continues to prohibit dispersal of rodenticides (or any other pesticides) directly to the public.

## **6. Other Activities**

There were no District activities this year in the areas of Surveillance, Research, Public Education, or Administration which could have caused significant environmental impacts.

## **7. District Environmental Mitigation Activities**

In the October 1999 Negative Declaration and the 2016 PEIR, the District recognized that established District policies require vector surveillance and the use of treatment criteria prior to chemical, biological, or physical control; monitoring and reporting of activities to appropriate agencies; and other measures to minimize potential environmental impacts. Five additional mitigation measures to ensure that these potential impacts remain insignificant were adopted:

- a. Maintenance of up-to-date maps and other information from the California Department of Fish and Wildlife Natural Diversity Data Base and other reliable sources on the location of Special Status Species and designated Natural Communities in the Project Service Area;
- b. Coordination of District activities with approved Habitat Conservation Plans;
- c. Adoption of new policies as needed and provision of continuing training to field personnel to ensure minimization of specific vector control activities and/or the use of alternative vector control methods at times and in places where those specific vector control activities might otherwise significantly impact Special Status Species or designated Natural Communities;
- d. Ensuring that members of the public that request mosquitofish are informed verbally and in writing to not release them into natural waters; and
- e. Review of agency lists for potential hazards (contaminated soils) prior to implementation of minor physical control projects in historically industrial zones; and additional, site-specific CEQA review prior to implementation of source reduction projects which might result in discharge of hazardous materials into the environment.

The District has adopted policies and practices to ensure that these requirements are met, and continually reviews their effectiveness. District staff, including the General Manager, Program Supervisors, and Scientific Programs Manager, interact with the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, the U.S. Environmental Protection Agency, the American Mosquito Control Association, the Association of American Pesticide Control Officials, and other groups to ensure strong communications and cooperation, and plan and conduct training sessions for District personnel on environmental regulations and compliance measures.

Specific improvements continue to be made to ensure compliance. In 2020, the District maintained its subscription to GIS map layers of endangered species habitat distribution from CDFW. This enables us to provide our field employees with accurate maps of known populations of endangered or threatened species within their zones to avoid any potential conflicts. To improve the accuracy of our mosquitofish distribution data, all fish must be picked up at District headquarters in Concord where staff can ensure that forms are properly filled out and records can be entered directly into our database. Previous experience indicates that nonstandard releases of mosquitofish were probably quite rare and of little ecological significance, but our ability to document this has improved substantially. We are also pursuing the development of a mobile database system which will provide faster (near real-time) and more accurate recording of all District activities.

## **8. Regulations and Outside Research**

The District continues to comply fully with all applicable Federal and State regulations, including FIFRA, CEQA, and the Clean Water Act (National Pollutant Discharge Elimination System - NPDES), as detailed in our district's PEIR. We also continue to collaborate with other agencies and groups, including the California Department of Public Health, the University of California, the California Department of Fish and Wildlife, and the US Department of Agriculture (USDA) on policies and projects that enhance our ability to protect public health and environmental quality. In addition, we continued to collaborate with the USDA to evaluate potential impacts of aquatic weed control on mosquito larval populations, and provided space in our mosquitofish facility for the rearing of aquatic weed biological control agents by USDA personnel.

## **9. Acknowledgement**

I am grateful to the following individuals for their helpful suggestions and/or assistance with the preparation of the report: Paula Macedo, General Manager; David Wexler, Mosquito Program Supervisor; Sheila Currier, Mosquito Program Supervisor; Terry Davis, Vertebrate Program Supervisor; Eric Ghilarducci, Vector Ecologist II; and Chris Miller, Biologist.



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10-19 mean	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10-19 mean	
<b>Pesticide (units)</b>																									
<b>Mosquito Larvicides</b>																									
<b>Number of applications</b>																									
	<b>Amount of active ingredient</b>																								
<b>Agnique (lbs)</b>	226	96	91	78	121	80	26	24	4	21	9	77	18	7	36	5.71	16.81	12.35	1.01	0.92	1.86	1.98	46.43	10.20	
Agnique (gal)	226	96	90	73	112	57	7	2	4	1	2	67	2.44	0.98	4.83	0.51	1.26	0.70	0.04	0.00	0.25	0.02	0.04	1.10	
Agnique Granules (lb)			1	5	9	23	19	22	0	20	7	12		0.0704		1.92	7.44	7.16	0.69	0.91	0.00	1.81	46.10	2.50	
<b>Methoprene (lbs)</b>	1,642	1,666	1,419	1,552	1,248	1,076	1,069	750	637	478	308	1,154	149	113	94	152.72	193.06	146.77	100.47	98.43	54.77	82.75	39.67	118.46	
Altosid Briquets (lbs)	156	192	126	55	75	65	235	126	41	39	49	111	0.84	0.30	1.90	0.47	0.70	0.59	4.36	0.00	0.34	0.27	0.80	0.98	
Altosid XR Briquets (lbs)	547	504	640	55	62	26	48	0	0	0	0	188	9.90	10.35	15.27	0.25	0.65	0.13	0.89	0.00	0.00	0.00	0.00	3.74	
Aquaprene XL Briquets (lbs)	0	1	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Altosid Granules (lbs)	0	0	0	1	0	23	0	0	0	0	0	2	0.00	0.00	0.00	0.03	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.04	
Altosid XR Granules (lbs)	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Altosid XR Ingot (lbs)				726	400	239	138	129	41	19	12	242				23.63	16.79	3.76	1.83	0.00	1.20	0.26	0.20	6.78	
Altosid Pellets (lbs)	399	360	345	514	490	475	516	339	187	146	193	377	134.47	100.30	67.07	125.21	174.43	141.70	88.83	92.69	51.65	17.22	37.63	99.36	
Altosid Pellets WSP (lbs)	135	65	54	57	63	61	27	26	21	40	24	55	0.34	0.14	0.13	0.14	0.18	0.00	0.09	0.08	0.07	0.12	0.07	0.13	
Aquaprene Tossits (lbs)	0	1	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Altosid P35 (lbs)												74										60.14	0.00	60.14	
Altosid Liquid (Duplex) (gal)	405	543	252	135	158	187	104	107	9	41	30	194	0.41	0.23	0.12	0.10	0.04	0.03	0.51	0.63	0.04	0.49	0.11	0.26	
MetaLarv S-PT (lbs)			2	9	0	0	1	0	0	0	0	2			8.16	2.14	0.00	0.11	0.00	0.00	0.00	0.00	0.00	1.30	
VectoPrime FG (lbs)**								23	338	119	0	160							0.22	1.18	0.49	0.00	0.00	0.63	
<b>Larvicidal Oils (lbs)</b>	567	491	567	540	904	1138	697	1147	895	505	383	745	10,881	8,551	3,753	10,390	12,415	16,738	8,634	8,522	6,646	3,746	2,802	9,027.68	
Golden Bear 1111 (gal)	539	24	0	0	0	0	0	0	0	0	0	56	1463	86	0	0.00	0.00	0.00	0	0	0	0	0	154.92	
BVA Larvicidal Oil (gal)	28	467	567	540	904	1130	694	1147	872	470	377	682	1	1065	505	1398.38	1663.10	2245.00	1162	1147	872	470	377	1,052.88	
CoCoBear (gal)							8	3	0	23	35	6	14					8.00	0	0	23	35	0	13.21	
<b>Bti (lbs)</b>	1,546	1,584	1,304	1,168	1,761	2,115	1,706	2,036	1,833	1,974	1,227	1,703	198	101	54	130.62	104.01	176.19	123.60	158.69	206.49	213.35	121.33	146.60	
Vectobac 12 AS (gal)	1432	1400	762	939	856	830	591	686	364	349	400	821	3.15	11.45	2.80	2.58	1.06	9.16	1.59	2.93	0.09	1.31	0.26	3.61	
Vectobac Granules (lbs)	86	37	60	26	11	313	237	42	18	79	23	91	19.28	5.22	9.16	8.48	1.26	0.90	25.26	0.32	0.53	6.13	1.31	7.65	
FourStar Briquet* 45d (lbs)		27	0	9	1	0	0	0	0	0	0	4		0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FourStar Briquet* 90d (lbs)			1	6	1	0	0	0	0	0	0	1			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FourStar Briquet* 180d (lbs)		105	405	28	554	3	44	5	3	0	0	127		0.84	6.38	0.19	9.54	0.01	0.17	0.01	0.00	0.00	0.00	1.91	
FourStar CRG (lbs)											9	9										0.05	0.19	0.05	
VectoMax CG* (lbs)	28	15	76	160	338	872	687	0	0	0	0	218	155.35	8.01	17.08	102.45	85.21	105.53	85.19	0.00	0.00	0.00	0.00	55.88	
VectoMax WSP* (lbs)						97	147	497	389	332	327	292						0.40	0.98	5.47	2.75	3.30	3.40	2.58	
VectoMax FG* (lbs)								783	721	1086	465	863								117.59	131.62	164.51	91.49	137.91	
VectoPrime FG** (lbs)								23	338	119	0	160								13.17	70.92	29.48	0.00	37.86	
Aquabac 200G (lbs)												11											23.16	na	
<b>B. sphaericus (lbs)</b>	894	872	957	732	1,407	1,307	1,125	1,385	1,226	1,469	963	1,137	263	170	209	181.27	153.88	135.50	119.93	107.06	111.44	112.04	74.06	156.32	
Vectolex Granules (lbs)	710	585	331	451	381	313	237	83	106	42	46	324	155.97	110.40	53.10	39.50	35.20	65.30	67.65	32.05	30.70	10.93	15.42	60.08	
Vectolex WDG (lbs)	13	78	73	27	2	8	0	1	0	0	0	20	12.35	48.18	106.29	77.58	5.38	6.66	0.00	1.02	0.00	0.00	0.00	25.75	
Vectolex WSP (lbs)	143	62	70	54	130	14	10	16	7	0	0	51	1.06	1.90	1.13	1.18	4.87	0.15	0.15	0.12	0.10	0.00	0.00	1.07	
FourStar Briquet* 45d (lbs)		27	1	6	1	0	0	0	0	0	0	4		0.12	0.00	0.35	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.06	
FourStar Briquet* 90d (lbs)			1	6	1	0	0	0	0	0	0	1			0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FourStar Briquet* 180d (lbs)		105	405	28	554	3	44	5	3	0	0	127		5.04	38.28	1.17	57.27	0.08	1.03	0.03	0.01	0.00	0.00	11.43	
FourStar CRG (lbs)											9	9										0.42	1.71	0.42	
VectoMax CG* (lbs)	28	15	76	160	338	872	687	0	0	0	0	218	93.20	4.81	10.26	61.47	51.13	63.32	51.11	0.00	0.00	0.00	0.00	33.53	
VectoMax WSP* (lbs)						97	147	497	389	332	327	292						0.24	0.59	3.28	1.65	1.98	2.04	1.55	
VectoMax FG* (lbs)								783	721	1086	465	863								70.56	78.97	98.71	54.89	82.75	
<b>Spinosad (lbs)</b>	1	6	5	26	111	88	114	55	89	50	189	55	0.04	0.02	1.52	1.52	7.43	7.22	8.41	8.44	2.60	2.64	4.26	3.98	
Natular T30 (lbs)	0	0	0	0	0	2	6	0	0	0	0	1	0.00	0.00	0.00	0.00	0.00	0.83	2.68	0.00	0.00	0.00	0.00	0.35	
Natular G (lbs)	0	0	0	1	1	22	12	0	1	0	0	4	0.00	0.00	0.00	0.01	0.01	0.80	0.08	0.00	0.00	0.00	0.00	0.09	
Natular G30 (lbs)			3	7	34	62	70	46	59	40	167	40			1.38	1.00	2.46	5.41	4.00	8.41	2.60	2.63	4.24	3.49	
Natular G30 WSP (lbs)											3	3										0.01	0.00	0.01	
Natular XRG (lbs)	1	0	1	2	50	0	5	1	0	0	0	6	0.04	0.00	0.13	0.45	0.50	0.00	0.05	0.00	0.00	0.00	0.00	0.12	
Natular XRT (lbs)									29	2	11	16									1.45	0.02	0.00	0.74	
Natular 2EC (gal)		6	1	16	26	2	11	2	0	0	0	7		0.00	0.00	0.01	0.46	0.02	0.11	0.00	0.00	0.00	0.00	0.07	
Natular DT (lbs)						10	6	0	5	11	0	5							0.51	0.02	0.00	0.01	0.02	0.13	

\*VectoMax and FourStar are a combination of *Bti* and *B. sphaericus* \*\* VectoPrime is *Bti* and methoprene. Active ingredients tabulated separately.

Table 1. Larvicide usage by material type during 2020 compared with previous ten years

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10-19 mean	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Pesticide (units)</b>																							
<b>Number of applications</b>													<b>Amount of active ingredient</b>										
<b>Mosquito Adulticides</b>																							
<b>Natural Pyrethrins (lbs)</b>	30	42	163	50	252	183	0	0	1	32	45	75	3.15	5.93	21.61	2.14	0.00	0.00	0.00	0.00	0.04	0.73	1.50
Merus (gal)									1	0	0	1									0.0047	0.0000	0.0000
Pyrenone 25-5 (gal)	4	2	0	1	0	0	0		0	2	9	1	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Pyrocyde 7396 (gal)	26	40	163	22	0	0	0		0	0	0	28	0.42	0.80	2.92	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrocyde 7067 (gal)				27	252	183	0		0	30	36	82				0.47	2.97	2.34	0.00	0.00	0.00	0.10	0.19
<b>Synthetic Pyrethroids (lbs)</b>	15	0	45	20	51	0	77	76	58	40	38	38	2.02	0.00	7.43	2.47	5.63	0.00	3.80	8.25	10.94	0.64	2.44
Scourge (gal)	15	0	45	20	32	0	0	0	16	0	0	13	0.28	0.00	1.03	0.34	0.78	0.00	0.00	0.00	0.53	0.00	0.00
Zenivex E4 (gal)				19	0	77	76	42	29	25		41				0.16	0.00	0.51	1.11	0.96	0.09	0.33	
Suspend SC (gal)										11	13	11										0.02	0.02
<b>Synergists* (lbs)</b>													21.97	29.64	130.86	35.77	127.33	86.62	0.00	0.00	11.81	3.70	7.64
Piperonyl butoxide (gal)	45	42	208	70	284	183	0	0	16	32	45	88	2.97	4.01	17.68	4.83	17.21	11.71	0.00	0.00	1.60	0.50	1.03
<b>Other Insecticides</b>																							
<b>Total (lbs)</b>	542	871	632	469	503	241	636	1241	978	1337	661	745	6.0	7.2	5.8	3.0	6.0	0.6	5.9	8.7	6.4	8.0	4.7
Drione (lbs)	541	871	632	310	499	241	636	1241	978	1337	661	729	4.30	7.19	5.79	2.68	6.01	0.55	5.87	8.72	6.43	7.99	4.67
Delta Dust (lbs)				159	3	0	0	0	0	0	0	23				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-Pede (gal)	1	0	0	0	1	0	0	0	0	0	0	0	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EcoPCO DX (lb)				117	0	0	0	0	0	0	0	17				0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Essentria D (lb)				17	0	0	0	0	0	0	0	2				0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Rodenticides</b>																							
<b>Total (lbs)</b>	1018	851	444	375	386	343	522	452	444	290	309	513	0.03	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.004
Confrac Super-Size Blox (lbs)+	945	666	390	373	135	96	101	59	78	0	31	284	0.029	0.02230	0.01200	0.01583	0.00480	0.00390	0.00723	0.00525	0.00488	0.00000	0.00183
Confrac Small Blox (lbs)+		24	27	1	0	14	3	0	0	98	164	19	0.00008	0.00033	0.00001	0.00000	0.00025	0.00001	0.00000	0.00000	0.00089	0.00103	
Ditrac Blox (lbs)!	73	161	27	1	0	111	346	330	366	181	104	160	0.004	0.00805	0.00135	0.00005	0.00000	0.00190	0.00565	0.00598	0.00605	0.00299	0.00154
Ditrac Cake (lbs)										11	0	11									0.00130	0.00000	
First Strike Blox (lbs)%		11	15	115	188	0	19	0	0	0	0	39	0.00018	0.00065	0.00793	0.00600	0.00000	0.00119	0.00000	0.00000	0.00000	0.00000	0.00000
Terad 3 Blox (lbs)&		15	0	4	63	122	53	63	0	0	10	36	0.00071	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

\*PBO is a component of pyrethroid adulticides. Not listed separately prior to 2009  
+Bromadiolone  
!Diphacinone  
%Difethialone  
&Cholecalciferol

Table 2. Other pesticide usage by material type during 2020 compared with previous ten years