

**PLACER MOSQUITO & VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES**

2021 Opportunity Drive
Roseville, CA 95678

**REGULAR BOARD MEETING
AGENDA**

March 21, 2022 4:30 PM

www.placermosquito.org

TELECONFERENCE

Pursuant to Assembly Bill 361 this meeting will be conducted via teleconference. In the interest of maintaining appropriate social distancing, the Board encourages the public to participate by calling (650) 419-1505 and when prompted, enter the Meeting ID: 256 346 509 or <https://v.ringcentral.com/join/256346509>

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Board of Trustees

Sandra Amara
City of Auburn

Will Stockwin
City of Colfax

Peter Gilbert
City of Lincoln

Russ Kelley
Town of Loomis

Merry L. Holliday-
Hanson, Ph.D.
Placer County

Jill Gayaldo
City of Rocklin

Ross Hutchings
City of Roseville

General Manager
Joel Buettner

- | | | |
|-------|----------|---|
| | 1 | Call to Order |
| | 2 | Roll Call |
| | 3 | Pledge of Allegiance |
| | 4 | Agenda Review |
| | 5 | Public Comment
<i>Members of the public shall be allowed to address the Board of Trustees on items which are of interest to public and which are within the jurisdiction of the Board, before or during the Board's consideration of the item; however, no action shall be taken on any item not appearing on the agenda unless otherwise authorized by the Board pursuant to Government Code Section 54954.2(b). It is requested that comments be limited to no more than 5 minutes.</i> |
| | 6 | Consent Agenda – Action item |
| 3-5 | A. | Minutes of the January 24, 2022 Regular Board Meeting |
| 7-8 | B. | Board Review and Consideration that as a result of the COVID-19 emergency: (i) meeting in person would present imminent risks to the health or safety of attendees; and (ii) the meeting is authorized to be held by teleconference pursuant to Gov. Code, § 54953, subd. (e)(1)(C). 2021 – Action Item |
| 9-17 | C. | Board Review and Consideration to Ratify Contract with SCI Consulting Group |
| 19-20 | D. | Board Review and Consideration to Ratify and Accept Lease Extension for Truckee Field Station Facility |
| 21 | E. | Board Review and Consideration to Purchase Mosquito Larvicides |
| 23 | 7 | Board Review and Consideration of Committees for 2022 – Action item |
| 25 | 8 | Board Review and Consideration of Resolution 2022-02 Directing the Preparation of the Engineer's Report for the Mosquito Control District and East County Mosquito Control and Disease Prevention Assessment District – Action item |

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- 27 **9 Board Review and Consideration of Resolution 2022-03 Directing the Preparation of the Engineer's Report for the Expanded Services and Permanent Facility Assessment – *Action item***
- 10 Board Review and Consideration to Update the COVID-19 Prevention and Response Plan – *Action item***
- 11 Staff Reports**
- 29-31 A. Eastern Placer Report – Angella Falco
- 33-50 B. Public Information and Outreach Report – Meagan Luevano
- Triennial survey report
- 51-52 C. Field Operations and Surveillance Report – Jake Hartle
- D. General Manager's Report – Joel Buettner
- 12 Board/Staff General Discussion**
- 13 Announcements**
- A. The next regular Board meeting will be held April 18, 2022 at 4:30 PM, at 2021 Opportunity Dr., Roseville, CA 95678 - Teleconference
- B. The next regular Personnel Committee meeting will be held April 25, 2021 at 3:30 PM at 2021 Opportunity Dr., Roseville, CA 95678. - Teleconference
- 14 Adjournment**

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District at (888) 768-2343, fax (916) 380-5455, and/or send e-mail to info@placermosquito.org. Requests must be made as early as possible and at least one-full business day before the start of the meeting. Documents and materials relating to an open session agenda item that are provided to the PMVCD Board less than 72 hours prior to a meeting will be available for public inspection and copying at 2021 Opportunity Drive, Roseville, CA 95678.

Placer Mosquito & Vector Control District
Board of Trustees Regular Board Meeting – Minutes
January 24, 2022, 4:30 PM
Placer Mosquito & Vector Control District Office
2021 Opportunity Drive, Roseville, CA 95678

Pursuant to Governor Newsom’s Executive Order N-25-20 and N-33-20, this meeting will be conducted via teleconference. In the interest of maintaining appropriate social distancing, the Board encourages the public to participate by calling (650) 419-1505 and when prompted, enter the Meeting ID: 099 018 551 or <https://v.ringcentral.com/join/099018551>.

1. **Call to Order:** President Gilbert called the meeting to order at 4:30 PM.
2. **Roll Call:** Trustees Jill Gayaldo, Peter Gilbert, Merry Holliday-Hanson, Russ Kelley and Ross Hutchings.
District Employees Present: District Manager Joel Buettner, Jake Hartle, Angella Falco, Isabel Alvarez and Meagan Luevano.
3. **Pledge of Allegiance** was led by Manager Buettner.
4. **Introduction of Guests:** There were none
5. **Agenda Review:** The Board accepted the agenda as presented.
6. **Public Comment:** There were none.
7. **Board Review and Consideration of Resolution 2022-01**
A motion to approve Resolution 2022-01 Recognizing and Commending Alvin Eng was made by Trustee Kelley seconded by Trustee Holliday-Hanson approved by roll call vote.
Ayes: Trustees Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley
Noes: ∅ Abstain: ∅ Absent: Trustee Amara
8. **Consent Agenda**
A motion to approve the minutes of the December 20, 2021, regular board meeting was made by Trustee Hutchings seconded by Trustee Kelley approved by roll call vote.
Ayes: Trustees Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley
Noes: ∅ Abstain: ∅ Absent: Trustee Amara

A motion to approve as a result of the COVID-19 emergency: (i) meeting in person would present imminent risks to the health or safety of attendees; and (ii) the meeting is authorized to be held by teleconference pursuant to Gov. Code, § 54953, subd. (e)(1)(C). 2021 was made by Trustee Holliday-Hanson seconded by Trustee Kelley approved by roll call vote.
Ayes: Trustees Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley
Noes: ∅ Abstain: ∅ Absent: Trustee Amara

9. Board Review and Consideration of Election of Board Officers

A motion to elect Trustee Kelley as President was made by Trustee Gayaldo, seconded by Trustee Hutchings approved by roll call vote.

Ayes: Trustees Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley

Noes: ø

Abstain: ø

Absent: Trustee Amara

Trustee Amara arrived @ 4:40PM

A motion to elect Trustee Gayaldo as Vice President was made by Trustee Gayaldo, seconded by Trustee Kelley approved by roll call vote.

Ayes: Trustees Amara, Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley

Noes: ø

Abstain: ø

Absent: ø

A motion to re-appoint Isabel Alvarez, District Secretary, as Board Secretary, was made by Trustee Gayaldo, seconded by Trustee Holliday-Hanson approved by roll call vote.

Ayes: Trustees Amara, Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley

Noes: ø

Abstain: ø

Absent: ø

10. Board Review and Consideration of Committees for 2022

There was consensus to remove Trustee Stockwin from the Finance Committee.

There was consensus by the Board to keep the Personnel Committee as it stands.

There was consensus to remove Trustee Holliday – Hanson from Organic Rice Ad Hoc Committee and add Trustees Hutchings and Amara.

A motion to approve the Committees for 2022 and bring it back to the Board in March was made by Trustee Amara, seconded by Trustee Gayaldo, approved by roll call vote.

Ayes: Trustees Amara, Gayaldo, Gilbert, Holliday-Hanson, Hutchings, and Kelley

Noes: ø

Abstain: ø

Absent: ø

Personnel Committee:

(Meets on the 4th Monday of April at 3:30 PM)

Trustee Merry Holliday-Hanson

Trustee Jill Gayaldo

Finance Committee:

(Meets on the 1st Tuesday of May Time: TBD)

Trustee Russ Kelley

Trustee Peter Gilbert

Trustee Will Stockwin

Ad hoc Organic Rice Committee:

Trustee Will Stockwin

Trustee Ross Hutchings

Trustee Sandra Amara

Trustee Gayaldo left @ 5:06 PM

11. Board Review and Consideration to Accept the COVID-19 Prevention and Response Plan –

A motion to accept the COVID-19 prevention plan with changes was made by Trustee Hutchings seconded by Trustee Amara approved by roll call vote.

Ayes: Trustees Amara, Gilbert, Holliday-Hanson, Hutchings, Kelley and Stockwin

Noes: ø

Abstain: ø

Absent: Trustee Gayaldo

12. Staff Reports

- A. Eastern Placer Report – Ms. Falco provided a verbal report on eastern placer.
- B. Public Information and Outreach Report – A written report was submitted. No additional items were reported.
- C. Field Operations and Surveillance Report – A written report was submitted. No additional items were reported.
- D. General Manager Report – Manager Buettner provided a verbal update.

13. Board/Staff General Discussion: There were none.

14. Announcements

- A. The District office will be closed February 11, 2022 in observance of the Lincoln's Birthday Holiday.
- B. The District office will be closed February 21, 2022 in observance of the President's Day Holiday.
- C. The next regular Board meeting will be held February 14, 2022, at 4:30 PM., at 2021 Opportunity Dr., Roseville, CA 95678 – Cancelled.

15. Adjournment:

President Gilbert adjourned the meeting at 5:34 PM.

Minutes approved by the Board and dated, this 21st day of March 2022 after passage.

Russ Kelley, Board President: _____

Attest:

Isabel Alvarez, Board Secretary: _____

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Board Review and Consideration that as a result of the COVID-19 emergency: (i) meeting in person would present imminent risks to the health or safety of attendees; and (ii) the meeting is authorized to be held by teleconference pursuant to Gov. Code, § 54953, subd. (e)(1)(C).

Background:

Consider finding by a majority vote under Gov. Code § 54953, subd. (e)(1)(B) that as a result of the COVID-19 emergency: (i) meeting in person would present imminent risks to the health or safety of attendees; and (ii) the meeting is authorized to be held by teleconference pursuant to Gov. Code, § 54953, subd. (e)(1)(C).

In light of the Governor's declaration that a state of emergency exists due to the incidence and spread of the novel coronavirus, and the pandemic caused by the resulting disease COVID-19, the board should consider whether meeting in person would present imminent risks to the health or safety of meeting attendees.

The Centers for Disease Control indicates that COVID-19 is a highly transmissible virus that is spread when an infected person breathes out droplets and very small particles that contain the virus, and such droplets and particles are breathed in by other people.¹ Since June of 2021, a more infectious variant of the virus, known as the Delta Variant, has emerged and now accounts for the vast majority of COVID-19 cases.

Although effective vaccines have been approved by the U.S. Food and Drug Administration for emergency use, vaccination rates are slow and have not yet reached a point to significantly control community transmission. As of **March 9, 2022, only 74% of Californians who are eligible to be vaccinated are fully vaccinated.**²

Those who become infected with COVID-19 are at risk of serious illness and death. **As of March 9, 2022, 963,590 Americans have died from the virus.**³ Many more have been hospitalized with serious illness. **Currently, in Placer County, 23 people are hospitalized with COVID-19. Additionally, 1 person in ICU with COVID-19 and 16 ICU beds are available**⁴

Conducting meetings by teleconference would directly reduce the risk of transmission among meeting attendees, including members of the public and agency staff, which has the ancillary effect of reducing risk of serious illness and death as well as reducing community spread of the virus.

¹ www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html

² State of California Covid-19 Dashboard <https://covid19.ca.gov/vaccination-progress-data/>

³ Johns Hopkins University Coronavirus Resource Center <https://coronavirus.jhu.edu/>

⁴ Placer County Covid-19 Dashboard <https://www.placer.ca.gov/DocumentCenter/View/46267/dashboard?bidId=#hospitalizations-and-deaths>

If the authorization to meet by teleconference is not approved by a majority vote, then the meeting will adjourn after this item and the remaining agenda items will be rescheduled to a future in-person meeting.

Fiscal Impact:

none

Staff Recommendation:

Staff recommends that the board find that it has reconsidered the state of the COVID-19 emergency, meeting in person continues to present imminent risks to the health or safety of attendees, and the board renews the prior authorization for meetings to be held by teleconference as authorized by subdivision (e)(1)(C) of section 54943 of the Government Code.

Board Review and Consideration to Ratify Contract with SCI Consulting Group

Background:

The District has contracted since its inception with SCI to provide engineer's reports and facilitate meeting our obligations of our benefit assessments and special tax. SCI provides this service to the majority of mosquito control districts in the state, and has provided excellent service and support in the past. Due to SCI's in-depth knowledge of the District's mission and our funding, staff recommends that we extend our contract with SCI for another five-year term.

The previous contract term ended with FYE 2022. A new contract was necessary for SCI to start preparing documents for FYE 2023 funding and because there was no Board Meeting in February. On January 27, 2022, I spoke with Board of Trustees President Russ Kelley on the phone, and we decided that it was appropriate for me to sign the new contract and bring it to the board for ratification at this meeting.

Fiscal Impact:

See fee schedule on attached contract.

Staff Recommendation:

Staff recommends the Board ratify the contract with SCI Consulting Group for FYE 2023 through FYE 2027 as presented.

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LEVY ADMINISTRATION SERVICES AGREEMENT

THIS AGREEMENT is made on 1/27/2022, 2022, between the **Placer Mosquito and Vector Control District**, ("District") and **SCI Consulting Group** ("Consultant" or "SCI"), a California Corporation, who agree as follows:

- 1. Scope of Work ("Work").** Consultant shall perform the work and render the services described in the Scope of Work shown below (the "Work"). The Consultant shall provide all labor, equipment, material and supplies required or necessary to properly and competently perform the Work, and determine the method, details and means of doing the Work.
- 2. Payment.**
 - a. In exchange for the Work, District shall pay to the Consultant a fee for completed phases of the Work. The total fee for the Work shall not exceed amounts set forth in the Fee Schedule shown below. There shall be no compensation for extra or additional work or services by the Consultant unless approved in advance in writing by District. The Consultant's fee shall include all of the Consultant's costs and expenses related to the Work.
 - b. At the completion of each phase of the Work, the Consultant shall submit to the District an invoice for the Work performed. If the Work is satisfactorily completed and the invoice is accurately computed, the District shall pay the invoice within 30 days of its receipt.
- 3. Term.** This Agreement shall take effect on the above date and shall continue in effect until completion of the Work.
- 4. Insurance.**
 - a. **Types & Limits.** The Consultant, at its sole cost and expense, shall procure and maintain for the duration of this Agreement the following types and limits of insurance:

Commercial General Liability	\$2,000,000 per occurrence \$4,000,000 aggregate
Automobile Liability	\$2,000,000 per accident
Workers' Compensation	Statutory limits
Professional Liability	\$2,000,000 per claim
Excess Liability (over General Liability & Auto Liability)	\$1,000,000 per occurrence & \$1,000,000 aggregate
 - b. **Other Requirements.** The general liability policy(ies) shall be endorsed to name the District, its officers and employees as additional insureds regarding liability arising out of the Work.
 - c. **Proof of Insurance.** Upon request, the Consultant shall provide to the District proof of insurance.

5. **Indemnification.** The Consultant shall indemnify, defend, protect, and hold harmless the District, and its officers and employees from and against any and all liability, losses, claims, damages, expenses, demands, and costs (including, but not limited to, attorney, expert witness and consultant fees, and litigation costs) arising out of the Consultant's performance of the Work and caused by willful misconduct of or by the Consultant or its employees, agents and subcontractors.
6. **Entire Agreement.** This writing represents the sole, final, complete, exclusive and integrated expression and statement of the terms of this contract between the parties concerning the Work, and supersedes all prior oral and/or written negotiations, representations or contracts. This Agreement may be amended only by a subsequent written contract approved and executed by both parties.
7. **Independent Contractor.** The Consultant's relationship to the District is that of an independent contractor.
8. **Successors and Assignment.** This Agreement shall bind and inure to the benefit of the heirs, successors and assigns of the parties; however, the Consultant shall not subcontract, assign or transfer this Agreement or any part of it without the prior written consent of the District.
9. **No Waiver of Rights.** Any waiver at any time by either party of its rights as to a breach or default of this Agreement shall not be deemed to be a waiver as to any other breach or default.
10. **Severability.** If any part of this Agreement is held to be void, invalid or unenforceable, then the remaining parts will nevertheless continue in full force and effect.
11. **Governing Law and Venue.** This Agreement will be governed by and construed in accordance with the laws of the State of California.
12. **Default.** In the event that the Consultant defaults in the obligations of the Consultant under this Agreement, or the Consultant defaults in the performance of the terms and conditions of this Agreement, the District may, at its option, declare this Agreement to be in default and, at any time thereafter, may do any one or more of the following: a) enforce performance of the Agreement by the Consultant; or b) terminate this Agreement. In the event that this Agreement is terminated, payment shall still be due for all Work performed by the Consultant through the date of the termination.
13. **Cancellation.** The District or the Consultant may cancel this Agreement without cause. The party desiring to cancel this Agreement shall notify the other party in writing. In the event that this Agreement is cancelled, payment shall still be due for all Work performed by the Consultant through the date of the notification of cancellation.
14. **Attorney's Fees.** In the event any legal action is brought to enforce or construe this Agreement, the prevailing party shall be entitled to an award of reasonable attorney's fees, expert witness and consulting fees, and litigation costs.

15. Notice. Any notice, invoice or other communication that is required or permitted to be given under this Agreement shall be in writing and either served personally or sent by prepaid, first class U.S. mail or by commercial delivery service, addressed as follows:

Public Agency:	Consultant:
Placer Mosquito and Vector Control District	SCI Consulting Group
2021 Opportunity Drive	4745 Mangels Boulevard
Roseville, CA 95678	Fairfield, CA 94534

Any party may change its address by notifying the other party of the change in the manner provided below:

_____	_____
_____	_____
_____	_____
_____	_____

SCOPE OF WORK

This section outlines the engineering services and other responsibilities SCI would perform as the Engineer of Work and Assessment/Tax Levy Administrator for Placer Mosquito and Vector Control District.

DEFINITIONS

District:	Placer Mosquito and Vector Control District, staff and Trustees.
Assessment/Tax:	Mosquito Control District in (2000-West County) & East County Mosquito Control and Disease Prevention Assessment District in (2004- East County) and Expanded Services and Permanent Facility Assessment and City of Lincoln Mosquito Abatement Parcel Tax
SCI or Consultant:	SCI Consulting Group, and any and all employees and subcontractors.
Administration:	Services related to the determination, levy and collection of assessment revenues.

ENGINEER'S REPORTS, TAX REPORT AND OTHER DOCUMENTS

1. Obtain upcoming fiscal year estimated cost information from the District to use as a basis for the budget in the Engineer's Reports and Tax Report.
2. Calculate and prepare the preliminary assessment roll for inclusion in the Engineer's Reports and tax Report.
3. Prepare the Engineer's Reports and Tax Report, including any necessary upgrades due to any recent court rulings or other requirements.
4. File the final Engineer's Reports and Tax Report with the District.
5. Prepare any needed resolutions and staff reports for the Assessments and Taxes.
6. Prepare and assist with the publication of any notices for the continuation of the Assessment.
7. Attend the District Board meeting at which the public hearing is held, and the Engineer's Reports and Tax Report are approved.

CONFIRMATION OF DISTRICT PARCELS, LEVY CALCULATION, VERIFICATION AND SUBMITTAL

1. Create a database including every parcel in the boundaries of the Assessment Districts and Tax District, including the parcel attributes necessary for calculating the Assessments, and update it with new information for the upcoming year.
2. Identify new or changed parcels that may require an updated or new assessment calculation and recalculate the final assessment on a parcel-by-parcel basis.
3. Prepare the final Assessment Roll for the Assessment Districts and tax District and submit it to the County for inclusion on the upcoming fiscal year tax bills.

DISTRICT INFORMATION AND LEVY CONFIRMATION

1. Verify and validate Auditor's levy data prior to the printing of tax bills.

MANUAL BILLING FOR CERTAIN PROPERTIES

1. For any parcels that cannot be collected on County tax bills, prepare a listing of property owners, addresses, property information, current assessment amount and delinquent Assessments.
2. Directly invoice any such property owners for the assessment amounts due for their property, record payments received in a payment tracking database, produce periodic reports for the District of bills paid and those still outstanding, and assist the District with collection of delinquent assessments.

RESPONDING TO PUBLIC INQUIRIES AND APPEALS

1. Provide the County Auditor/Tax Collector with our toll-free phone number so property owners can directly contact SCI Consulting Group throughout the fiscal year regarding any questions that arise.
2. Throughout the fiscal year, research and, if necessary, revise any Assessments which we find to be based upon incorrect information being used to apply the method of assessment. (It should be noted that, due to our comprehensive levy validation procedures, actual revisions are expected to be very minimal, if any.)

DEFENSE AND SUPPORT OF THE ASSESSMENTS

1. Provide a full response, support of the assessments and basis for the assessments to any person who questions the assessments or the legal basis for the assessments.
2. In the event of any legal challenge or petition against the assessments, provide professional, assessment engineering and technical support in support of the assessments. If such services are required, they would be provided in close collaboration with the District and District legal counsel.

FEE SCHEDULE

SCI shall be compensated for the performance of the Scope of Work as follows:

	2022-23	2023-24	2024-25	2025-26	2026-27
Annual Levy Administration	\$ 32,640	\$ 33,620	\$ 34,630	\$ 35,670	\$ 36,740
Payment due on August 10:	\$ 21,216	\$ 21,853	\$ 22,510	\$ 23,186	\$ 23,881
Balance due on January 31:	\$ 11,424	\$ 11,767	\$ 12,121	\$ 12,485	\$ 12,859
Maximum Direct Expenses	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500
Total Contract Authorization	\$ 34,140	\$ 35,120	\$ 36,130	\$ 37,170	\$ 38,240

1. The Scope of Work includes one meeting with the District. Any additional meetings shall be billed at the rate of \$550 per person per meeting.
2. In the event that the District elects to request optional, additive scope of work, SCI will work with the District to negotiate compensation for these additional tasks and execute an Addendum to the agreement for these additional services.
3. Incidental costs incurred by SCI for the purchase of property data, maps, travel and other out-of-pocket expenses incurred in performing the Scope of Work shall be reimbursed at actual cost by the District with total cost not to exceed \$1,500 per year, without prior authorization from the District.

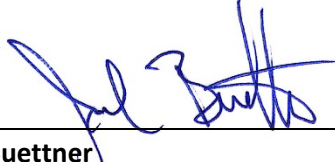
Note: All costs associated with this proposal can be financed or refunded by assessment proceeds.

The Fee Schedule shown above is valid as long as this agreement is executed within 90 days from the date this agreement was submitted to the District.

SIGNATURE PAGE

By signing below, we agree to the terms of this Levy Administration Services Agreement.

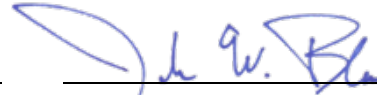
Accepted:



Joel Buettner
General Manager
Placer Mosquito and Vector Control
District

01/27/2022
Date

Accepted:



John W. Bliss
President
SCI Consulting Group

Date

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Board Review and Consideration to Ratify and Accept Lease Extension for Truckee Field Station Facility.

Background:

The District's lease for 1.5 suites located at 12219 Business Park Drive, Truckee, CA 96161 expires on March 31, 2022. I have negotiated a three-year lease starting April 1, 2022, through March 31, 2025, extension with a fixed cost of \$2,249.10 per month. The rent reflects a 5% increase over the previous three-year lease.

Fiscal Impact:

Increases rent for Truckee office by 5% for the next three years.

Staff Recommendation:

Staff recommends the Board accept the lease extension as presented.

AMENDMENT #4 TO LEASE

THIS IS AMENDMENT #4 TO THAT CERTAIN COMMERCIAL LEASE DATED OCTOBER 20, 2009, BY AND BETWEEN TRUCKEE APBI, LLC, AND ASSUMED BY ARNAUDO BROS., LP, LESSOR AND PLACER MOSQUITO & VECTOR CONTROL, LESSEE, FOR THE PROPERTY COMMONLY KNOWN AS TRUCKEE AIRPORT BUSINESS PARK ONE, LOCATED AT 12219 BUSINESS PARK DR. SUITE 11-12, TRUCKEE, CA 96161

March 8, 2022

In the event of any inconsistency between the Amendment language and the body of the Lease, the Amendment language shall prevail.

The purpose of this Amendment is to facilitate the extension of the lease term for an additional period under the same terms and conditions of the existing lease, except as follows:

1. COMMENCEMENT DATE: April 1, 2022
2. EXPIRATION DATE: March 31, 2025
3. MONTHLY RENT: \$2,249.10 Gross

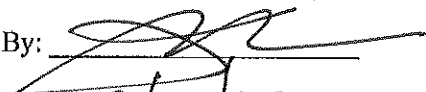
All other terms and conditions of the Lease shall remain the same.

AGREED AND ACCEPTED:

LESSOR:

ARNAUDO BROS., LP

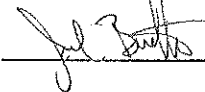
By: James P. Nylén
Manager

By: 
Date: 3/14/22

LESSEE:

PLACER MOSQUITO
& VECTOR CONTROL

By: Placer Mosquito &
Vector Control

By: 
Date: 03/08/2022

Board Review and Consideration to Purchase Mosquito Larvicides

Background:

Based on consistent performance and cost. The District has selected adulticides, Dibrom and Evergreen Air 5-25 for use in our aerial program and Valent Bioscience's Bti products for use in our larvicide program. ADAPCO is the sole source vendor for Valent Biosciences larvicide and for Dibrom and Evergreen adulticides.

ADAPCO is offering a 2.5% discount for Vectobac (Bti) larvicide products used by the District for larval control of mosquito in irrigated rice fields and other areas of standing water.

Below is the bulk of the 2022 mosquito season pesticide purchase order.

Qty	Description	Price
2	Evergreen Air 5-25	\$19,125.70
12	Dibrom	\$90,612.00
60	Reign	\$3,675.00
10	VectoMax FG 40 lbs bags	\$3,568.00
25	VectoBac 12AS (264 GALLON Totes)*	\$184,154.16
46	VectoBac GR (2000 lb Super Sacs)*	\$170,430.00
80	VectoBac GR (40 lb bags)*	\$5,959.20
10	Vectobac G (40 lb Bags) *	\$659.10
Sub Total		\$478,183.16
TAX		\$36,383.80
Shipping		included
TOTAL		\$514,566.96

*Reflects 2.5% discount

Fiscal Impact:

This purchase is within the 2021/2022 fiscal year pesticide budget.

Staff Recommendation:

Staff recommends that the Board authorize the District General Manager to purchase mosquito larvicides as presented not to exceed \$520,000.

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Board Review and Consideration of Committees for 2022

Background:

The Board of Trustees may review and appoint trustees to serve on committees. The 2022 committee assignments and standing meeting dates are provided below for reference.

2022 Standing Committees

Finance Committee: Trustees Kelley, and Gilbert

Personnel Committee: Trustees Holliday-Hanson and Gayaldo.

2022 Ad Hoc Committees

Organic Rice Committee: Trustees Stockwin, Amara and Hutchings.

Standing Committees are to meet on a regular basis and Ad Hoc Committees may meet as needed for as long as needed to address a specific project or issue.

Following are the Standing Committees' current meeting schedule:

Finance Committee: Meets on the 1st Tuesday in the month of May; time: TBD

Personnel Committee: Meets on the 4th Monday of April at 3:30 PM

Staff Recommendation:

Committee assignments are at the pleasure of the Board.

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RESOLUTION NO. 2022-03 - DRAFT

**A RESOLUTION OF THE BOARD OF TRUSTEES
OF THE PLACER MOSQUITO AND VECTOR CONTROL DISTRICT
DIRECTING THE PREPARATION OF THE ENGINEER'S REPORT FOR THE
EXPANDED SERVICES AND PERMANENT FACILITY ASSESSMENT**

WHEREAS, the Placer Mosquito and Vector Control District (formerly known as the Placer Mosquito Abatement District, the "District") is authorized, pursuant to the authority provided in Health and Safety Code Section 2082 and Article XIID of the California Constitution, to levy assessments for mosquito, vector and disease control projects and services; and

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

WHEREAS, on July 16, 2007, by its Resolution No. 2007-10, the Board approved the formation and levying of assessments of the Expanded Services and Permanent Facility Assessment pursuant to the provisions of Health and Safety Code section 2080 and the provisions of California Constitution Article XIII-D; and

NOW, THEREFORE BE IT RESOLVED, that SCI Consulting Group is hereby designated as Engineer of Work for purposes of these proceedings and is hereby ordered to prepare Engineer's Reports in accordance with Article 4 of Chapter 1 of Act and Article XIID of the California Constitution. Upon completion, the Engineer shall file the Reports with the Clerk of the Governing Board for submission to the Board.

PASSED AND ADOPTED by the Board of Trustees of the Placer Mosquito and Vector Control District on the 21st day of March 2022 by the following vote:

AYES: Ø

NOES: Ø

ABSTAIN: Ø

ABSENT: Ø

Russ Kelley, Board President

Attest:

Isabel Alvarez, Board Secretary

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RESOLUTION NO. 2022-02 - DRAFT

**A RESOLUTION OF THE BOARD OF TRUSTEES
OF THE PLACER MOSQUITO AND VECTOR CONTROL DISTRICT
DIRECTING THE PREPARATION OF THE ENGINEER'S REPORT FOR THE
MOSQUITO CONTROL DISTRICT AND EAST COUNTY MOSQUITO CONTROL AND
DISEASE PREVENTION ASSESSMENT DISTRICT**

WHEREAS, the Placer Mosquito and Vector Control District (formerly known as the Placer Mosquito Abatement District, the "District") is authorized, pursuant to the authority provided in Health and Safety Code Section 2082 and Article XIID of the California Constitution, to levy assessments for mosquito, vector and disease control projects and services; and

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

WHEREAS, on July 24, 2000, by its Resolution No. 2000-03, the Board approved the formation and levying of assessments of the Mosquito Control District ("West County") pursuant to the provisions of Health and Safety Code section 2080 and the provisions of California Constitution Article XIII-D; and

WHEREAS, on July 26, 2004, by its Resolution No. 2004-12, the Board approved the formation and levying of assessments of the East County Mosquito Control and Disease Prevention Assessment District ("East County") pursuant to the provisions of Health and Safety Code section 2080 and the provisions of California Constitution Article XIII-D; and

NOW, THEREFORE BE IT RESOLVED, that SCI Consulting Group is hereby designated as Engineer of Work for purposes of these proceedings and is hereby ordered to prepare Engineer's Reports in accordance with Article 4 of Chapter 1 of Act and Article XIID of the California Constitution. Upon completion, the Engineer shall file the Reports with the Clerk of the Governing Board for submission to the Board.

PASSED AND ADOPTED by the Board of Trustees of the Placer Mosquito and Vector Control District on the 21st day of March 2022 by the following vote:

AYES: Ø
NOES: Ø
ABSTAIN: Ø
ABSENT: Ø

Russ Kelley, Board President

Attest:

Isabel Alvarez, Board Secretary

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Public Information and Outreach Report

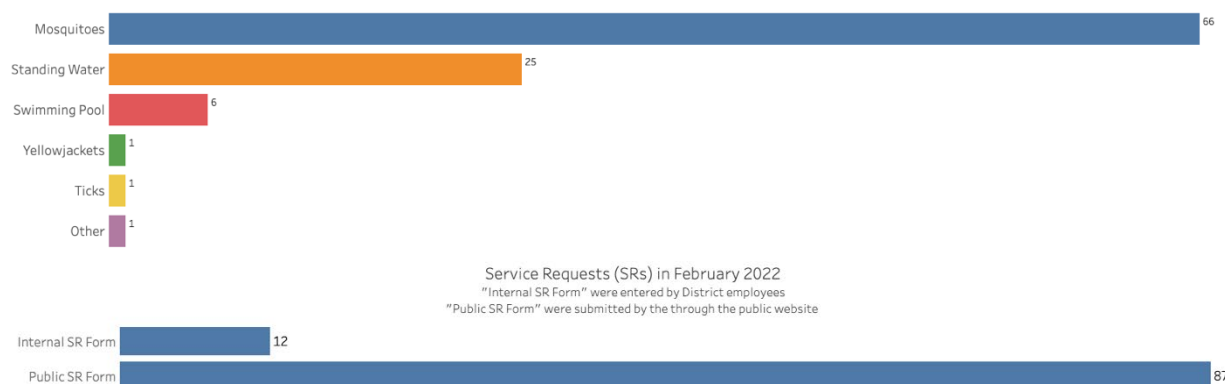
Reporting period: February 2022

Prepared by: Meagan Luevano, Public Information Officer

FEBRUARY SERVICE REQUESTS & PHONE LOG

- **91 Inbound External Calls in February** – Our phone system, RingCentral, developed a new analytic reporting system and I am analyzing some of the widgets to see what best works to evaluate our call volume.

In February 2022, a total of 100 service requests were submitted.



INTERNAL COMMUNICATIONS & NEWS

- Triennial survey – Presenting results during March meeting. Full survey results in board packet.
- Presented on social media internship at the MVCAC annual conference in February.
 - There was positive feedback about the trustee session.
 - Neighboring District mentioned fraud experience from online Board packets.
- Launching new internal website, VecNet, Thursday, March 17
- Oxitec's experimental use authorization was approved for Delta Mosquito on Monday, March 7 by the EPA. We have received one call about our intent to use the technology. Talking points were sent to staff and detailed information about the technology can be found at MVCAC.org.

COMMUNITY OUTREACH AND EDUCATION EVENTS

- Mid-Placer Democratic Club's Climate Change Discussion, Tuesday, March 15
- Auburn Sunset Rotary, rescheduled to May 17
- Scheduling and planning City Council, MACs and Board of Supervisor summer presentations
- Red Shoe School Outreach push will happen during Mosquito Awareness Week, April 17-23
- Meeting with Whitney High School media program to discuss social media internship opportunity

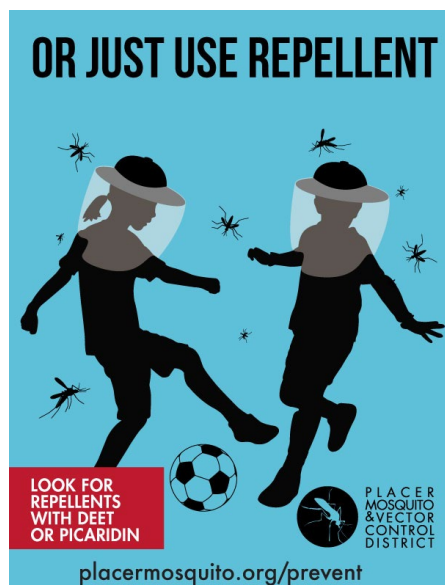
OUTREACH MATERIALS

Complete

- Ongoing social media development



- Monthly eblasts
- Summer advertising plan
 - Digital billboards
 - Digital display ads
 - Grocery store pole banners
 - Social media



In Development

- High school outreach program
- Ongoing customer satisfaction survey – Development in progress. To be sent via MailChimp quarterly to assess resident satisfaction with our services.

SOCIAL MEDIA DASHBOARD

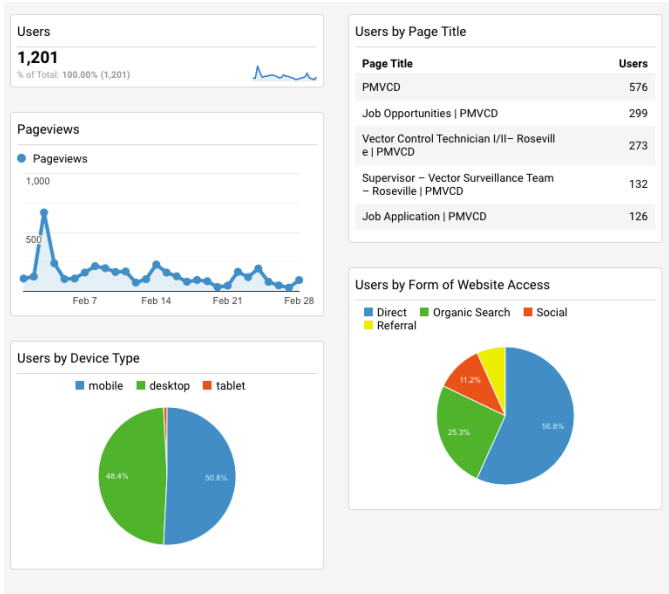
Profiles

Review your aggregate profile and page metrics from the reporting period.

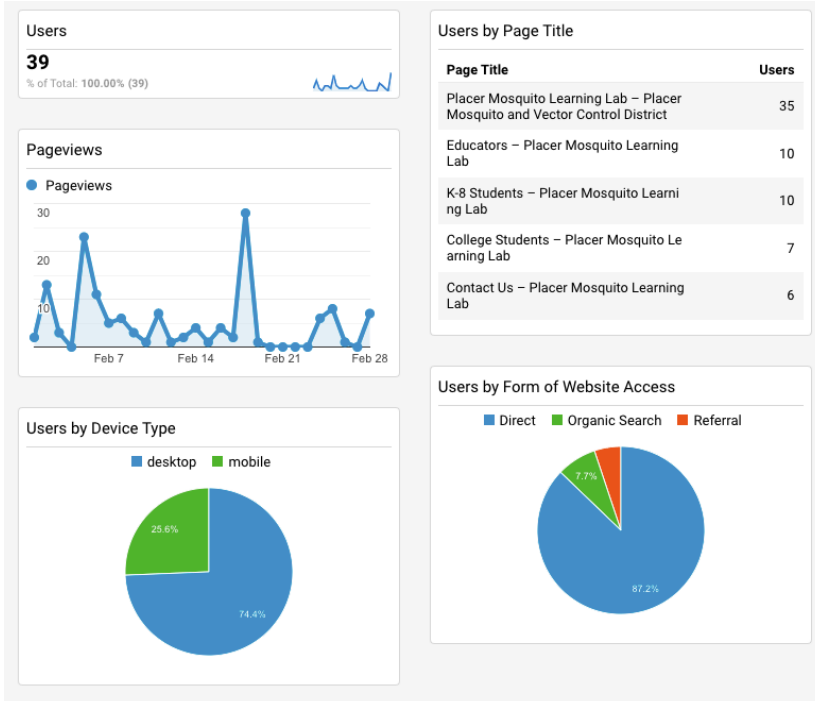
Profile	Audience	Net Audience Growth	Published Posts	Impressions	Engagements	Engagement Rate (per Impression)	Video Views
Reporting Period	2,748	13	49	7,266	286	3.9%	183
Feb 1, 2021 – Feb 28, 2021	↗ 0.4%	↗ —	↗ 25.6%	↗ 57.1%	↗ 82.2%	↗ 15.9%	↗ 161.4%
Compare to	2,736	0	39	4,624	157	3.4%	70
Jan 1, 2021 – Jan 31, 2021							
@PlacerMosquito	1,046	6	15	4,619	140	3%	17
Placer Mosquito & Ve...	1,401	-6	16	1,429	71	5%	28
placermosquito	301	13	18	1,218	75	6.2%	138



PlacerMosquito.org Website Dashboard



PlacerMosquitoLearningLab.org Website Dashboard



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Placer Mosquito and Vector Control Baseline Survey

Val R. Smith, Ph.D.
Bereket Kelile
2021

This narrative summarizes the results of an online survey of Placer County residents conducted for the Placer Mosquito and Vector Control District. The survey of 1035 residents yielded a sampling error of +/- 3.0%. The goal of the survey was to provide citizen perceptions of the District and to update findings from the past surveys. Additionally, this survey tested resident receptivity to the use of drones and sterile insect technique by the District.

Survey Methods

Survey Field Dates:	• September 2021
Research Method:	• Online Survey
Population:	• Adult residents of Placer County
Unit of Analysis:	• Households
Sampling Frame	• Enhanced voter file
Sample Vendor	• F2 Inc.
Survey Sample Size:	• 1035 completed interviews
Sampling Error:	• Less than +/- 3.0% (95% confidence level)
Weighting:	• Age
Statistical Analysis:	• Porpoise Survey Analytics
Researchers	• Val R. Smith, Ph.D. and Bereket Kelile

Results from the opinion survey appear to support at least eleven conclusions:

1. The name identification of Placer County Mosquito and Vector Control District remains below 50% but appears to be growing.
2. Respondents said they valued the central functions performed by the District. Better than four-out-of-five residents described the district as “very important” or “important.” A similar percentage said they would fear disease and nuisance threats were the District not in operation. The trend line since 2009 has yielded increasing percentages of respondents viewing the District as “very important.”
3. The trend for residents believing that the frequency of insects intruding on their quality of life continues to slowly inch upwards. This despite the fact that 41% of the sample said that there were fewer mosquitoes this year.

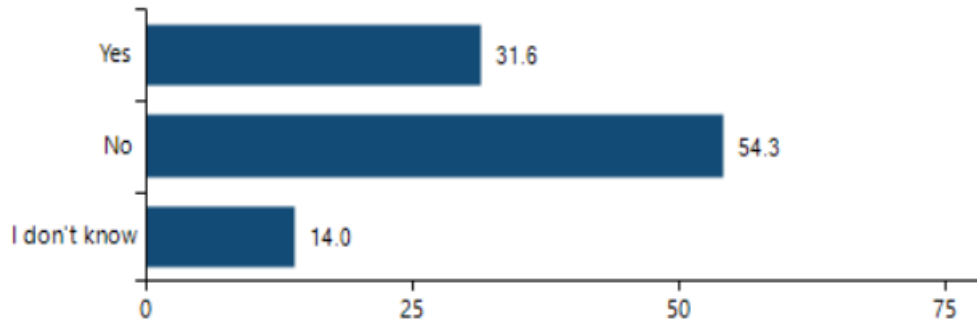
4. Clearly the dominant perceived threat is from mosquitos. The ticks and yellowjacket problems are more common in rural areas.
5. For the first time, “removing standing water” tied “repellent as the go to form of protection from mosquitoes.
6. Regarding the use of drones, the ratio of favor to oppose was imbalanced in favor of their use as a weapon against mosquitoes. Slightly less than one person in four remained undecided on the issue.
7. Respondents to the survey expressed a near consensus in favor of the use of the sterile insect technique by the district.
8. County residents recalled receiving relatively little information from the District. Among those recalling any information from the District, social media was the most commonly mentioned sources.
9. The percentage of people who say they have changed their mosquito, tick or yellowjacket defensive behavior as a result of information from dropped from 2018 to 2021. The drop occurred almost exclusively among younger people and newer residents.
10. The incidence of resident contact with the District was only about one out of every twenty people in the County.
11. Email is the preferred medium for District outreach to County residents. Social media preferences were split into thirds: one-third Facebook, one-third don’t use social media, and one-third other social media platforms. Nextdoor topped that list at 18%.

I. District Name Identification

Conclusion: The name identification of Placer County Mosquito and Vector Control District remains below 50% but appears to be growing.

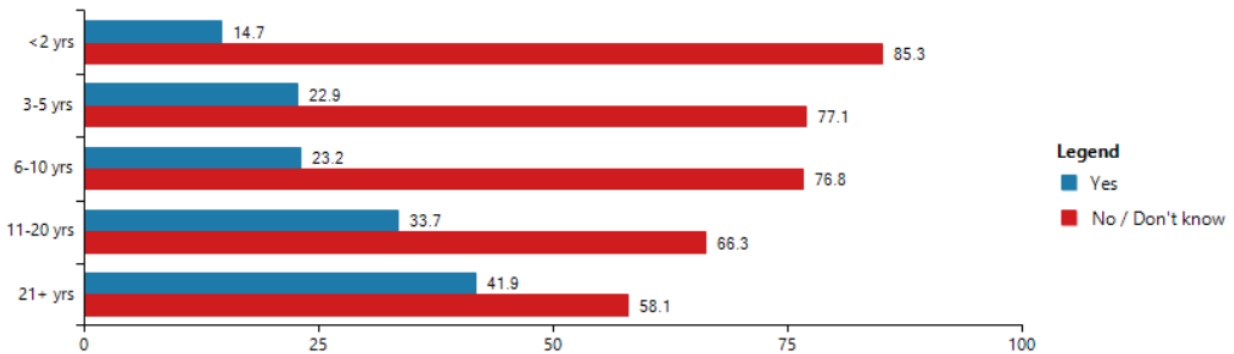
This survey will talk about pests that carry disease such as mosquitoes, ticks, and yellow jackets. Do you know the name of the agency in charge of controlling such pests in your area?

In 2018 only one-in-five knew the name of the Placer County Mosquito and Vector Control District. This year that number grew closer to one-in-three (31.6%). This may be an artifact of the change from a telephone to an online survey, but more likely name identification is indeed growing. But the fact that people don’t know the district’s name doesn’t mean that county residents are unaware of the District or and its mission.

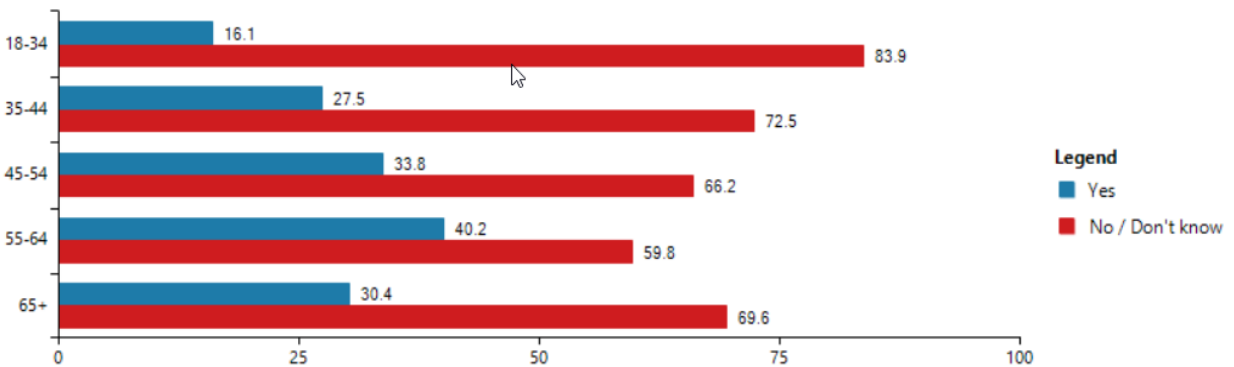


Graph 1: Knew the Name of the District

Name identification was a function of residency and age. New residents (less than 2 years) had a name identification of only 14.7%. The longer people had lived in Placer County the more familiar they were of the District. Two-out-of-five long-term residents (21+ years) said they could identify the name. Age exhibited a similar pattern. Those aged 18-34 had the lowest name identification (16.1%).



Graph 2: Name Identification by Length of Residency



Graph X: Name Identification by Age

II. District Importance

Conclusion: Respondents said they valued the central functions performed by the District. Better than four-out-of-five residents described the district as “very important” or “important.” A similar percentage said they would fear disease and nuisance threats were the District not in operation. The trend line since 2009 has yielded increasing percentages of respondents viewing the District as “very important.”

That agency is the Placer Mosquito and Vector Control District. It is a local service district. As government services go would you rate the function this district performs as very important, important, somewhat important, or not important?

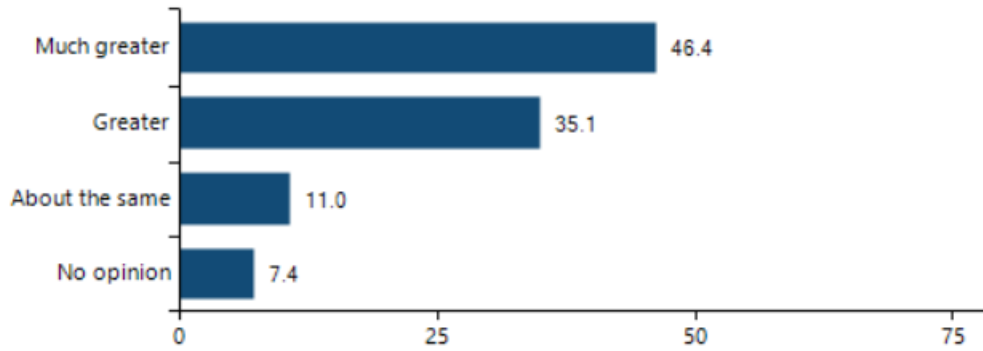
If there were no local district to control mosquitoes do you believe the **nuisance threat** from mosquitoes each year would be much greater, greater or about the same as it is now?

If there were no local district to control mosquitoes do you believe the **disease threat** from mosquitoes and ticks each year would be much greater, greater or about the same as it is now?

	2009	2012	2015	2018	2021
Very Imp	35.9	37.4	43.8	46.9	48.6
Important	38.4	36.9	35.4	30.6	36.2
S. Imp	15.6	17.8	12.9	15.3	10.8
Not Imp	04.7	04.8	07.9	02.8	02.0
Undecided	05.4	03.0	N/A	04.5	02.3

Table 1: Rating the Importance of the District by Year

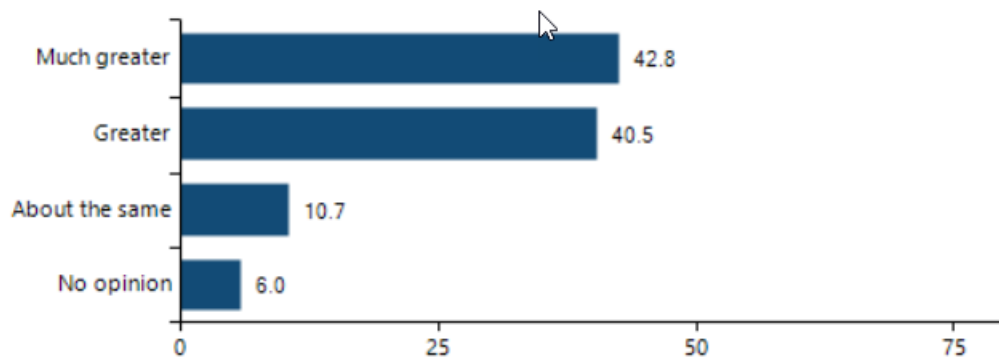
The conclusion about the importance of the District was corroborated by a second set of questions that asked about nuisance and disease threats under the hypothetical condition of no mosquito and vector control district. For both nuisance and disease threats, strong majorities believed the threats would be either “greater” or “much greater.” Only 11% thought the nuisance and disease threats would remain at the same level without the presence of the District.



Graph 3: If No District Nuisance Threat

	2012	2015	2018	2021
Much Greater	23.8	28.2	33.5	46.4
Greater	38.1	33.8	37.5	35.1
Same	32.1	29.0	21.9	11.0
No Opinion	06.0	09.1	07.1	07.4

Table 2: Nuisance Threat in Absence of District



Graph 4: If No District Nuisance Threat

	2012	2015	2018	2021
Much Greater	24.1	31.0	32.7	42.8
Greater	43.0	41.3	45.1	40.5
Same	27.4	23.3	18.9	10.7
No Opinion	05.5	04.5	03.3	06.0

Table 3: Disease Threat in Absence of District

III. Incidence of Pests This Summer

Conclusion: The trend for residents believing that the frequency of insects intruding on their quality of life continues to slowly inch upwards. This despite the fact that 41% of the sample said that there were fewer mosquitoes this year.

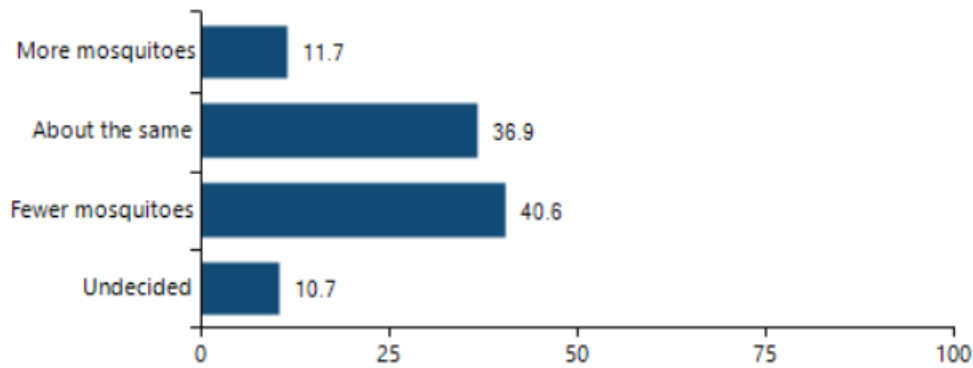
Thinking back to this summer, how often did mosquitoes, ticks or yellow jackets decrease your **enjoyment of the outdoors** in your neighborhood? Would you say very often, somewhat often, a few times or almost never?

Compared with past years, would you say there were more mosquitoes, fewer mosquitoes, or about the same **number of mosquitoes**?

The survey also asked respondents to reflect on the actual threat of mosquitoes, ticks, or yellowjackets during this past summer. As the table below illustrates, historically the percentage of people saying pests were “almost never” a problem had been climbing from survey to survey. In 2015 47% said pests were not a problem. This year, however, that number dropped from almost a half to roughly one-third. Fortunately, only 16.5% said pests were “very often” a problem. But this number also rose slightly from previous years.

	09	12	15	18	21
V Often	11.4	13.9	12.1	16.5	17.8
S Often	16.4	14.6	13.9	21.3	19.7
A Few Times	28.5	25.7	26.8	30.0	33.8
Almost never	43.7	45.8	47.2	32.2	28.6

Table 4: Threats from Pests by Survey Year

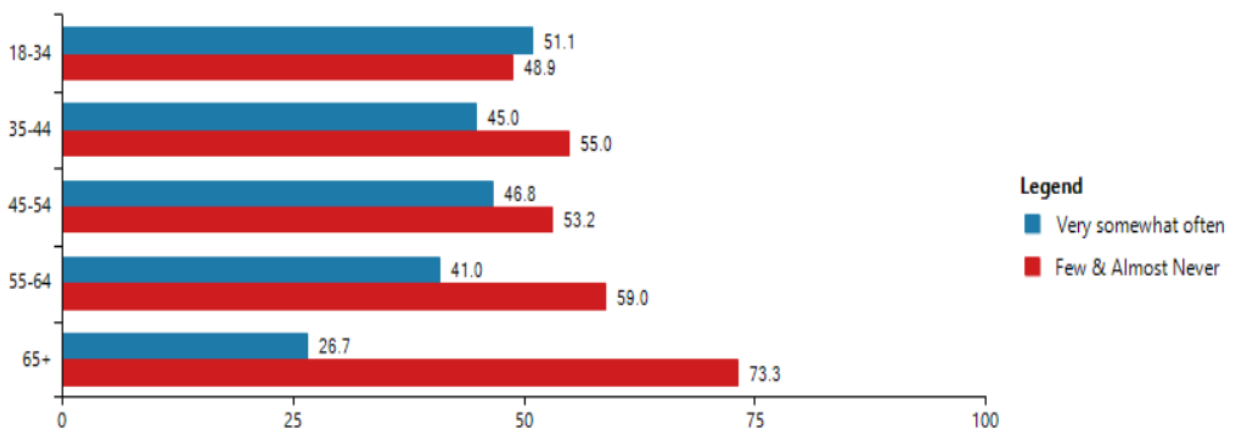


Graph 7: Incidence of Mosquitos

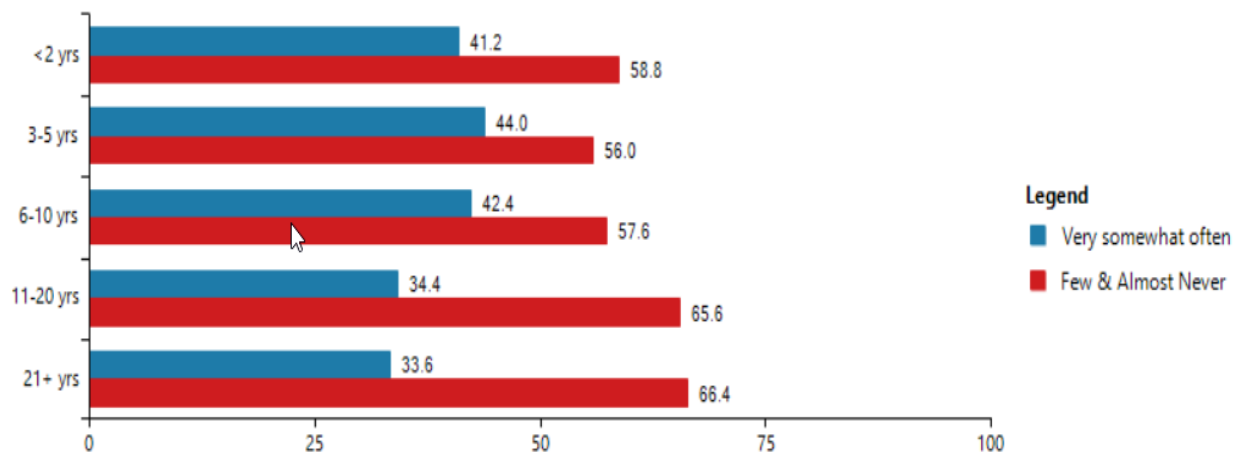
	2018	2021
More	18.6	11.7
About the Same	51.4	36.9
Fewer	22.9	40.6
Undecided	07.1	10.7

Table 5: Incidence of Mosquitos by Survey Year

So why this apparent contradiction between the two questions? How do people say their enjoyment of the outdoors is declining at the same time they are seeing fewer mosquitoes? Perhaps it again has to do with the demographics of where the complaints are coming from: younger and newer residents. Maybe their evaluations have to do with who they are and where they came from. The older the respondent the less they are troubled by mosquitoes. Similarly, residents who have lived in the County for an extended period of time are not as bothered by mosquitoes.



Graph 5 Decrease Your Enjoyment of the Outdoors by Age



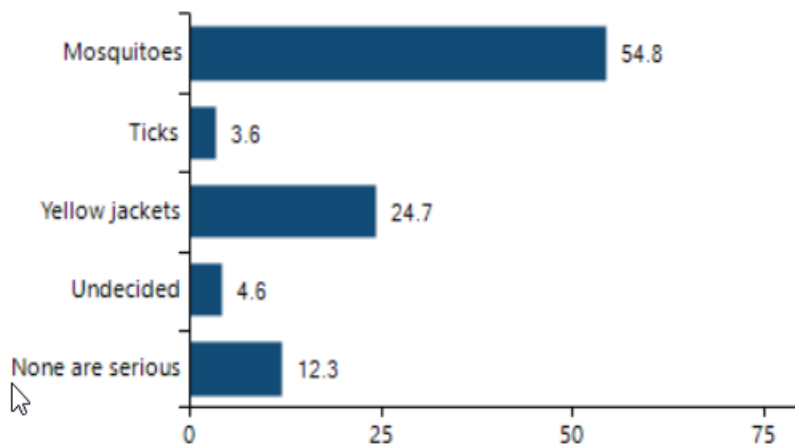
Graph 6 Decrease Your Enjoyment of the Outdoors by Length of Residency

IV. Bigger Nuisance

Conclusion: Clearly the dominant perceived threat is from mosquitoes. The ticks and yellowjacket problems are more common in rural areas.

Of the three problems we have been talking about, mosquitoes, ticks, and Yellow Jackets, which is the bigger nuisance in your neighborhood?

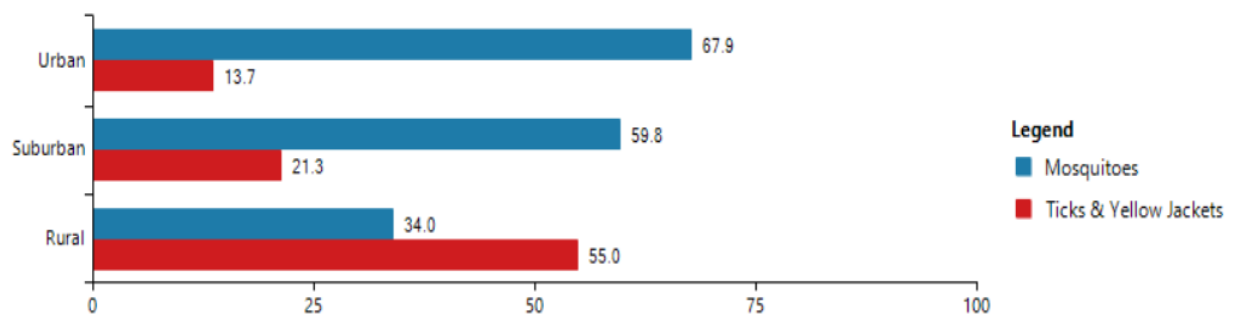
When people think of the problem the District is tasked with solving, they think mosquitoes. Fifty-five percent of the respondents listed mosquitoes as the number one nuisance. This fifty-five percent figure is substantial less than the 2018 survey, however. The yellow jacket number rose by eight points, however. Yellow jackets were singled out as a problem in rural areas.



Graph 8: Biggest Nuisance

	09	12	15	18	21
Mosquitoes	58.1	51.7	63.5	71.9	54.8
Yellow Jackets	26.3	31.1	20.8	16.5	24.7
Ticks	05.5	04.2	08.0	04.5	03.6
None	07.4	09.5	07.7	07.1	12.3

Table 6: Biggest Nuisance by Year



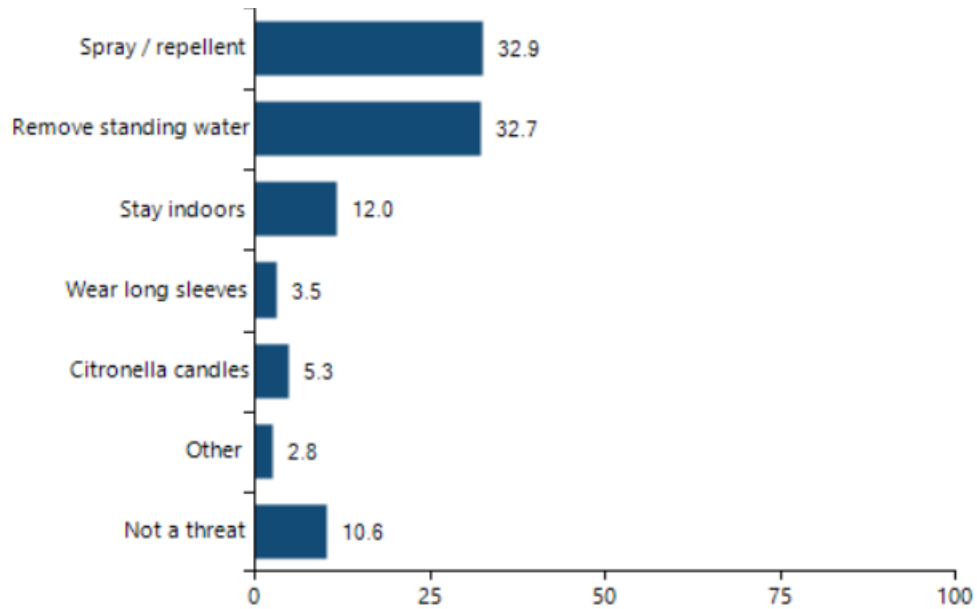
Graph 9: Biggest Nuisance by Neighborhood Type

V. Self-Protection

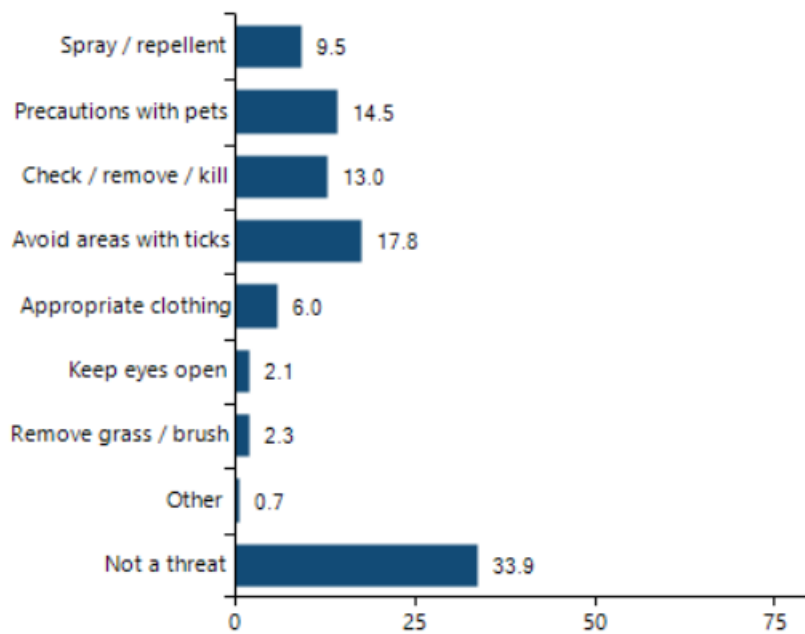
Conclusion: For the first time, “removing standing water” tied “repellent as the go to form of protection from mosquitoes.

What is the main thing you do to protect yourself from mosquitoes? Also, the same question was asked of ticks and yellowjackets. Respondents were instructed that if mosquitoes (ticks, yellowjackets) were not a threat, just check “not a threat.”

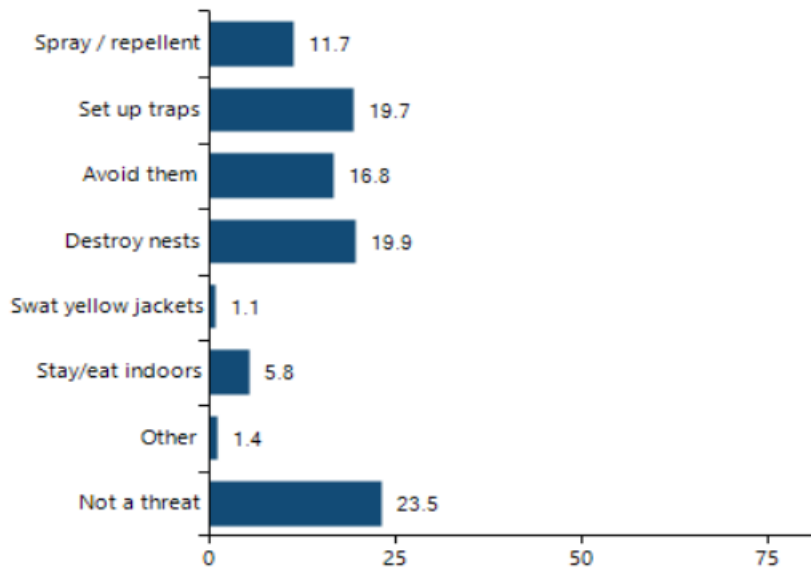
For the first time, “removing standing water” tied “spray/repellent” as the number one weapon in the fight against mosquitoes. Perhaps this is a testament to the persistence of the public campaign to urge citizens to limit the breeding grounds of mosquitoes.



Graph 10: Mosquito Protection



Graph 11: Tick Protection



Graph 12: Yellowjacket Protection

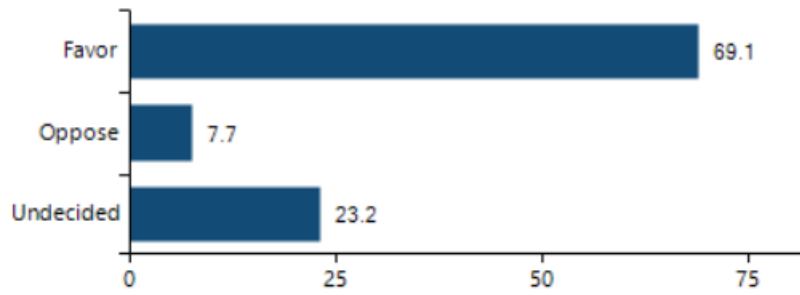
VI. Drones

Conclusion: Regarding the use of drones, the ratio of favor to oppose was strongly imbalanced in favor of their use as a weapon against mosquitoes. Slightly less than one person in four remained undecided on the issue.

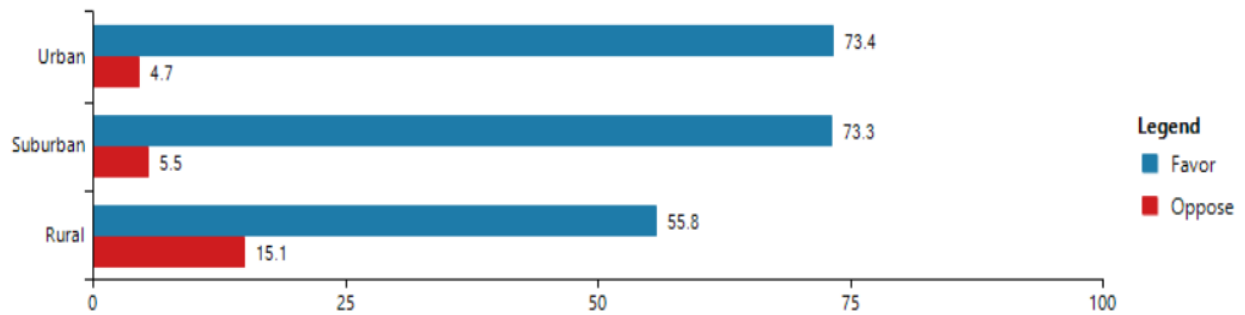
The Placer Mosquito and Vector Control District is currently using unmanned aerial systems (aka drones) for mosquito habitat assessment and control.

Do you favor or oppose the District's continued use of drones?

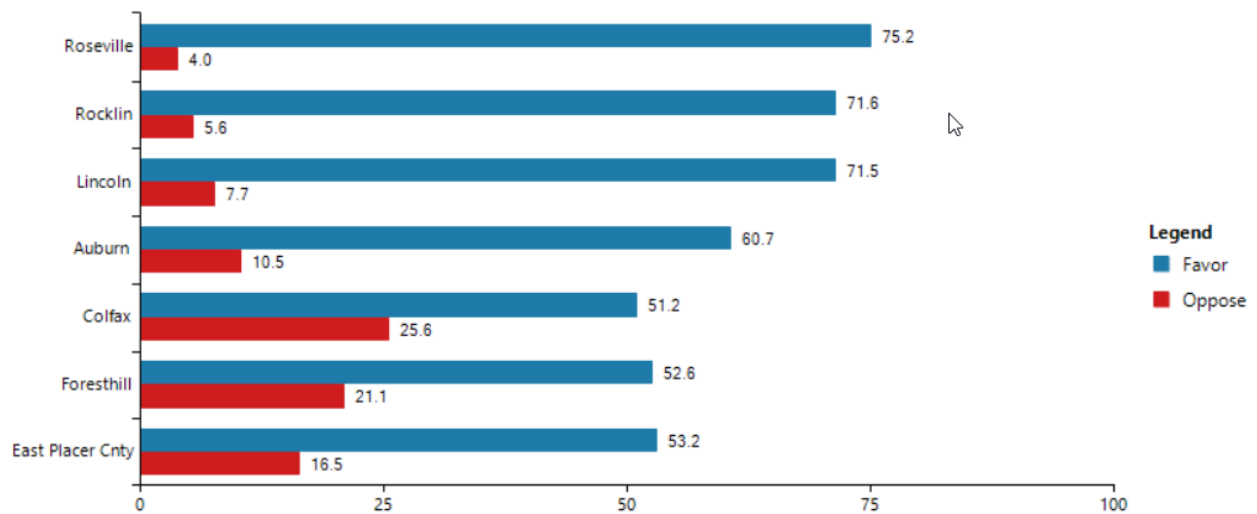
An overwhelming preponderance of respondents favored the use of drones to control the mosquito population. The ratio of favor-to-opposition was 9:1. Opposition to the use of drones was strongest in rural areas, but even in rural areas only 15% of that demographic group voiced opposition. That's better than a 3:1 favorable ratio. Colfax and Foresthill saw the most skepticism toward drones. But even in those two locations the ratio was 2:1 in favor of use.



Graph 13: 1st Support for Drones



Graph 14: 1st Support for Drones by Neighborhood Type



Graph 15: 1st Support for Drones by Region

VII. Sterile Insect Technique

Conclusion: Respondents to the survey expressed a near consensus in favor of the use of sterile insect technique by the district.

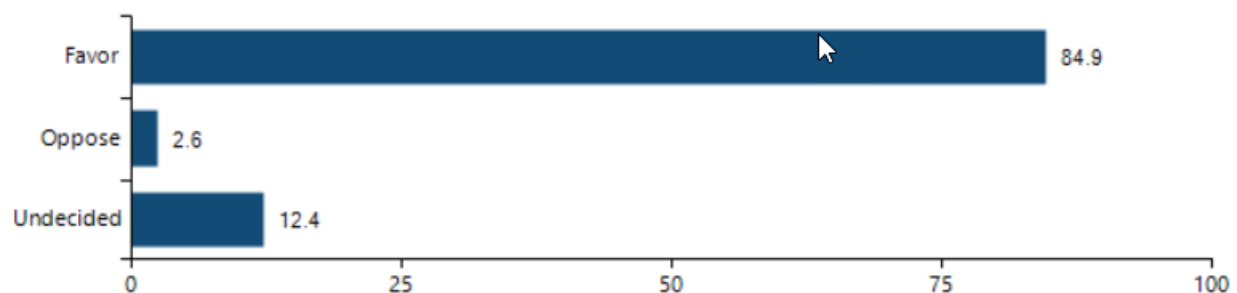
California has been severely impacted by the continued spread of two new invasive Aedes mosquito species that can spread viruses like Zika, Dengue, Chikungunya, and yellow fever. Placer Mosquito detected one of these species in the county in 2019.

Traditional control methods are not always effective at controlling these mosquitoes. Placer Mosquito and Vector Control District is evaluating using a different tool in the future if there is a continued spread of these mosquitoes in the county.

This tool is called Sterile Insect Technique and it uses male mosquitos that carry a naturally occurring bacterium. Male mosquitos do not bite, and when these males' mate with wild female mosquitoes that can carry these deadly viruses and bite, the resulting eggs do not hatch. Recent results have shown a significant (95%) reduction in these invasive females.

Do you favor or oppose Placer Mosquito and Vector Control District using Sterile Insect Technique in Placer County?

Overall 85% favored the use of the sterile insect technique. Opposition was limited to 2.6%, with 12.4% uncertain. The leading opposition groups were Colfax (14.3%), 18-34 (7.5%) and rural areas (5.8%).



Graph 16: 1st Support for Sterile Insect Technique

VIII. Communication from the District

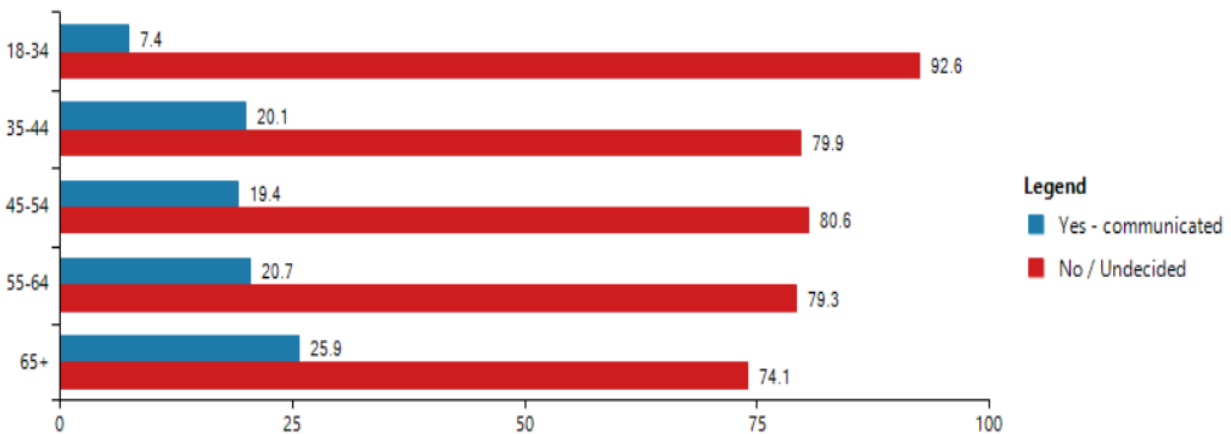
Conclusion: County residents recalled receiving relatively little information from the District. Among those recalling any information from the District, social media was the most commonly mentioned sources.

Do you recall reading, hearing, or seeing any information from or about the mosquito district in the last 12 months?

Where did you see the recent advertising from Placer Mosquito that mentioned EPA-registered repellent?

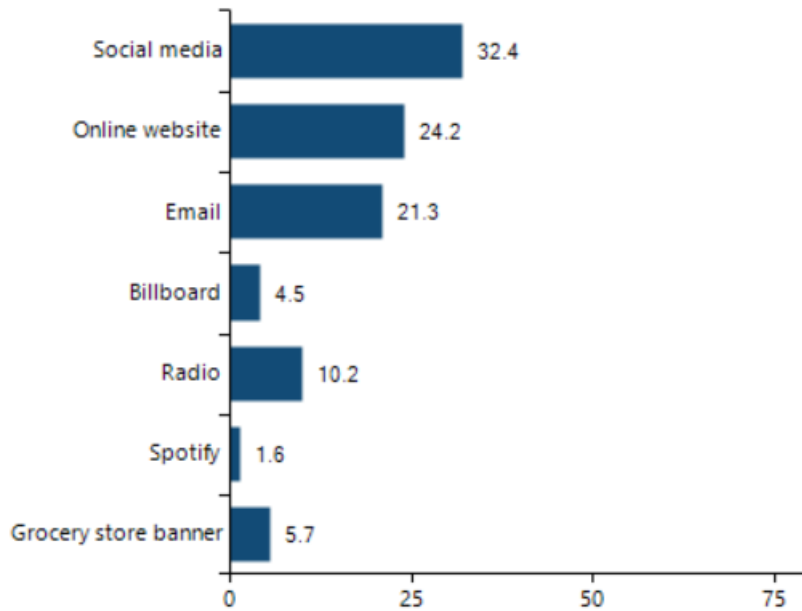
Some of the recent advertising mentioned the phrase, “EPA-registered repellent.” Do you remember seeing, or hearing, that or do you not recall?

Approximately one-in-five (20.7%) county residents recalled reading, hearing, or seeing any information regarding the district. Age predicted exposure to District information. For those age 18-34 only 7.4% recalled receiving information. On the other end of the continuum 25.9% of the senior citizens reported getting information.



Graph 17: Exposure to District Information by Age

Those who recalled learning some information from the district (N=214) were then asked, “Where did you see the recent advertising from Placer Mosquito that mentioned EPA-registered repellent?” The graph below shows that social media and the online website were most commonly mentioned. Email came in third place.



Graph 18: Medium by Which People were Exposed to District Information

Those who recalled learning some information from the district (N=214) were then asked about the phrase, “EPA-registered repellent.” Among this group only 15.6% (N=34) recalled seeing or hearing about EPA-registered repellent.

IX. Behavior Change

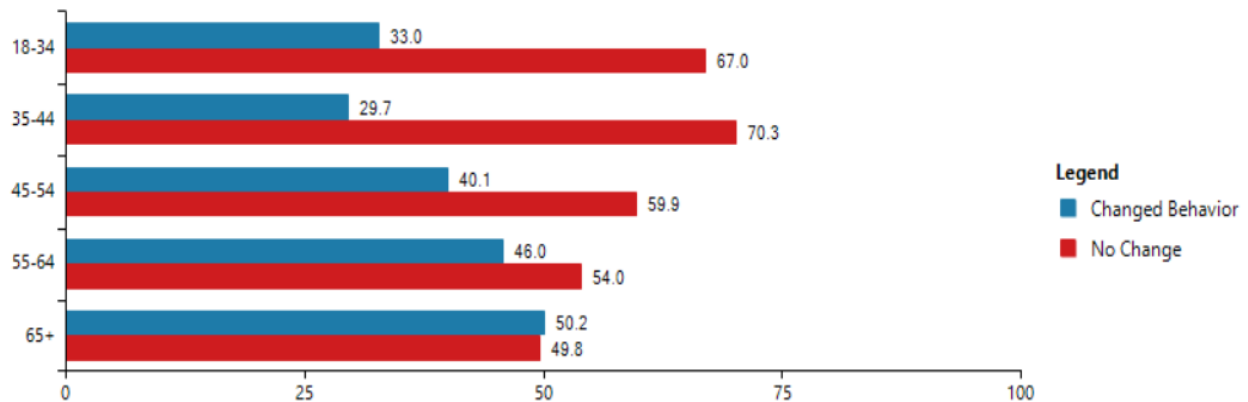
Conclusion: The percentage of people who say they have changed their mosquito, tick or yellowjacket defensive behavior as a result of information from dropped from 2018 to 2021. The drop occurred almost exclusively among younger people and newer residents.

Do you believe you have changed any of your mosquito, tick or yellowjacket defenses or control behaviors as a result of information originating from the district over the last few years? For example, are you more careful to remove standing water than you used to be?

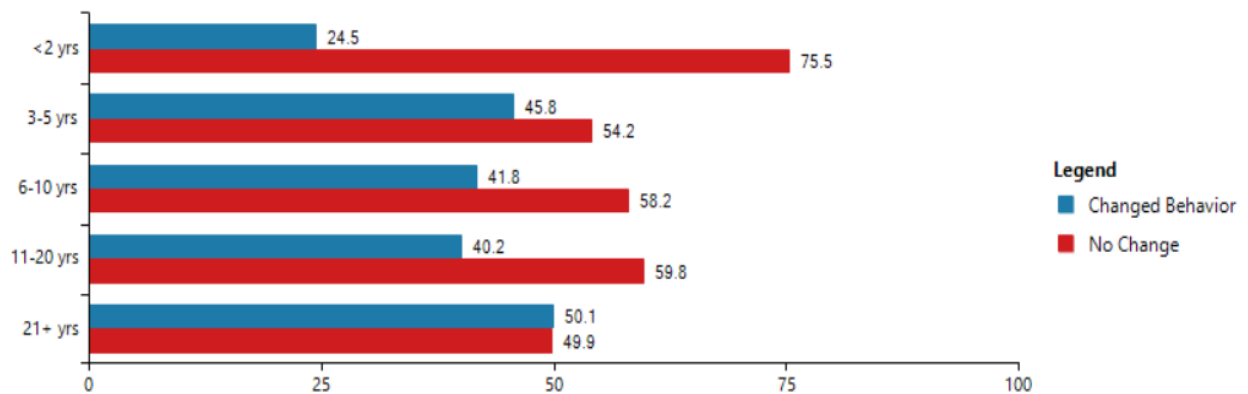
Age and length of residence once again played a dominant role in differences between 2021 and prior years. The percentage of people who say they have changed their mosquito, tick or yellowjacket defensive behavior as a result of information from the district dropped fifteen points from 2018. That drop can likely be attributed to age and length of residency. Among those age 65+ fifty percent said they have changed behavior compared to just 33% in the youngest age group. Long-term residents matched the older demographic at 50% who have altered their response to pests. The county’s newest residents scored a very low 24.5%.

	09	12	15	18	21
Changed behavior	52	57	47	59	44
Not changed	48	43	53	41	56

Table 7: Changed Behavior by Year



Graph 19: Behavior Change by Age



Graph 20: Behavior Change by Length of Residence

X. Initiating Contact with the District

Conclusion: The incidence of resident contact with the District was only about one out of every twenty people in the County.

Have you initiated any communication with the district, including an internet search, within the past two years?

Only 4.8% said they have had a reason to contact the District. This estimate was level across demographic groups. Initiating contact with the district was uncommon among every single demographic group. The interesting combination of viewing the role of the District as important while at the same time having little need to contact the district speaks to the District's ability to accomplish its mission.

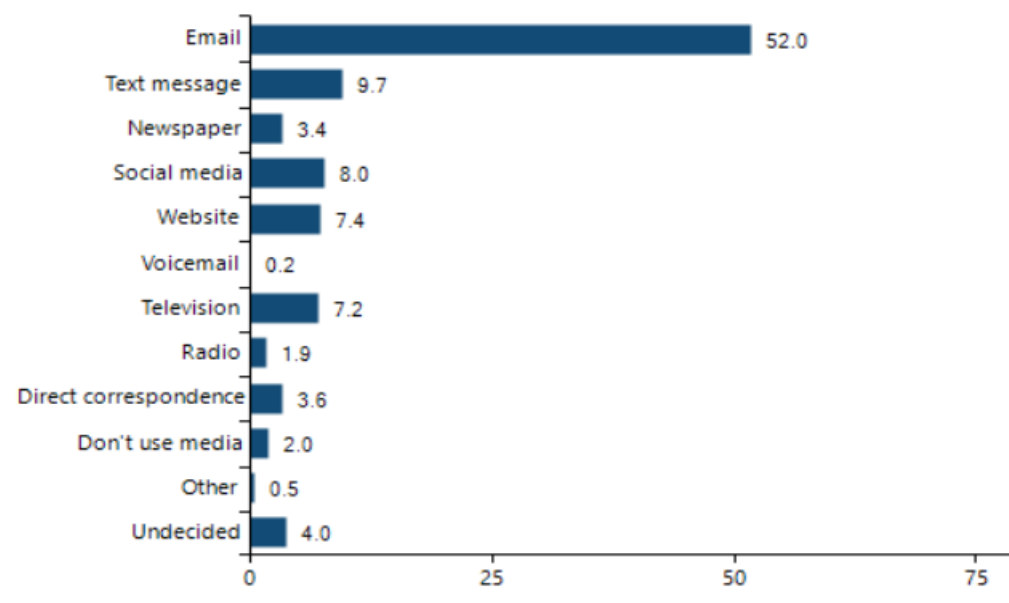
XI. Media Preferences for Receiving Information

Conclusion: Email is the preferred medium for District outreach to County residents. Social media preferences were split into thirds: one-third Facebook, one-third don't use social media, and one-third other social media platforms. Nextdoor topped that list at 18%.

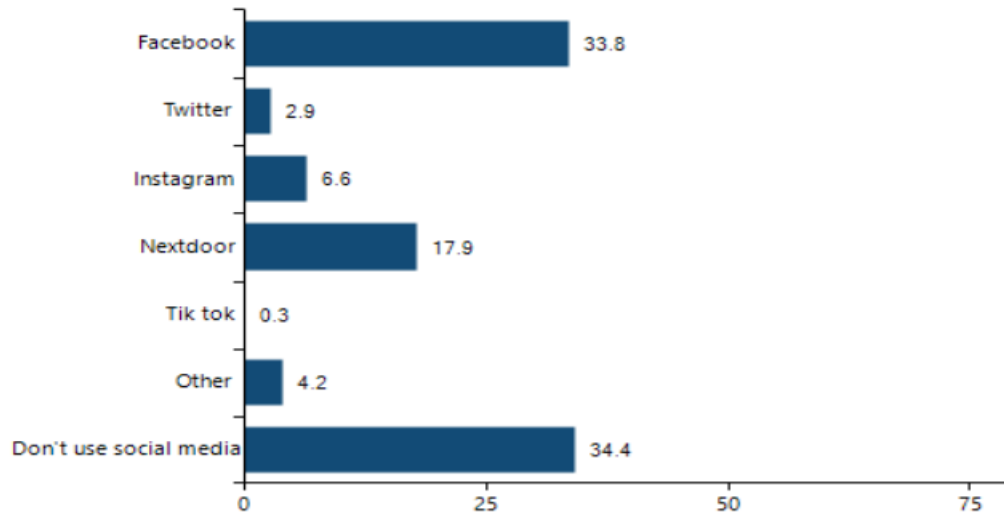
Which medium would be your first choice when it comes to receiving information about mosquito control?

Which social media platform would be your first choice to receive information about mosquito control?

Email (52%) was the most popular choice of media for receiving information from the District. Among social media Facebook was preferred (33.8%). Roughly another third (34.4%) said they don't use social media.



Graph 21: Preferred Medium for Receiving Information from the District



Graph X: Preferred Social Media

	Anomalous	Percent	Marginal %*	Response	Question
	12.1%	58.4%	46.3%	Male	Sex
	8.6%	38.4%	29.8%	65+	Age
	4.6%	43.4%	38.8%	Reg Rep	Party reg
	4.1%	39.0%	34.9%	21+ yrs	Length of Residence
	3.7%	27.6%	23.9%	Rural	Neighborhood type

Table 8: Profile of Those Who Don't Use Social Media

When reading the above table it is helpful to remember that the “Marginal %” column is the percentage of that group in the survey (males 46.3%). The “Percent” column is the percentage of that group answering a particular question with the target answer (males’ 58.4 percent of those who answered “Don’t use social media.” The “Anomalous” score is the difference between the marginal percent and the percent. In other words, looking at the first row, males comprised 46.3% of the sample and 58.4% of those answering the question as, “Don’t use social media.” The difference between those two columns is how anomalous males were as a group when they answered the question with “I don’t use social media.” The flatter the anomalous column the greater the similarity of that answer among all of the many demographic groups that make up the survey.

Conclusion

Once again Placer County residents value the functions performed by the Placer County Mosquito and Vector Control District. Residents would object to the District’s absence. The drop in percentages for some of the questions were attributable to two demographic groups: young people and newer residents in Placer County. Perhaps those two groups should receive special attention as communication targets. Lastly, County residents supported both the use of drones and Sterile Insect Technique.

Field Operations and Surveillance Report

Prepared March 14, 2022

Assistant Manager: Jake Hartle

Mosquito & Tick Surveillance

- **Adult Mosquito Abundance**

- Adult abundance traps continue to collect low amounts of mosquitoes, while numbers are still low, both abundance and species diversity should start increasing over the next couple of weeks.
- We are planning to begin our peak season trapping schedule starting the first full week in April, though this is dependent on weather and staffing resources.

- **Vector-borne Disease Testing**

- Vector species collected are continuing to be tested, zero positive mosquito samples (WNV, SLE, WEE) have been detected in 2022.

- **Tick Surveillance**

- While performing routine tick testing, Phil Spinks our Senior Research Scientist, noted that positive controls were not consistently being detected. Phil performed multiple experiments by testing various lots of chemistry and determined that the most recently-purchased chemistry was defective. Phil provided the supplier with these results and the supplier agreed that the chemistry was defective and replaced it at no charge. Additional tick testing chemistry was ordered from an alternate vendor and results from this chemistry were as expected with positive controls being detected.

Field Operations

- **Source Work**
 - Field technicians continue to check mosquito sources and respond to service requests in their zones. In the month of February, staff visited close to a 1000 mosquito sources and treated 38 of them. Employees reported that most sites were not yet producing or were already dry or drying up.
 - Technicians responded to service requests and closed 74 during the month of February.
- **Unmanned Aircraft Systems (UAS)**
 - On February 25th the District hosted a UAS demonstration on product calibration, swath analysis, larvicide application and a Q & A session in rural west placer. In attendance was staff from Delta Mosquito and Vector Control District, Marin-Sonoma Mosquito and Vector Control District, CA Department of Public Health, Central Life Science, and the Federal Bureau Investigation Agent. The demonstration included preflight operations, spray block design, reloading, and post flight reporting. The demonstration was led by Supervisor/UAS Pilot Scott Schon, Vector Control Technician and UAS pilots Ev Ortiz and Mike Beatty, along with other members of the PMVCD UAS flight crew.
- **Aerial and Ground product and equipment calibration:**
 - Arena Air: Aerial larvicide calibration is scheduled for April 4th-6th in Knights Landing. We will calibrate two fixed winged aircrafts for liquid and granular aerial larvicide applications.
 - Truck Adulticide: A representative from Adapco will be onsite April 6th to characterize the droplet sizes for our truck mounted adulticide equipment.

General Updates

- **Vector Control Technicians and Supervisors:**
 - We will conduct interviews for two Vector Control Technician positions and one Supervisor position during the week of April 11th.
- **VCT Lead**
 - Congratulations to Jason Smith for being promoted to VCT Lead. Jason has been a full-time employee for the the District for almost 20 years. We are excited to see him take on new challenges and continue to grow within the District.
- **Employee Appreciation**
 - On February 16, we received a call from a resident complimenting Brent Geeve, for the tremendous work and services he provided during a service request.