



Butte County Mosquito and Vector Control District

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Matthew C. Ball
Manager

AGENDA

Regular Meeting of the Board of Trustees of the Butte County Mosquito and Vector Control District

(BCMVCD) Board Room, 444 Otterson Drive, Chico, CA 95928. The Board of Trustees is committed to making its proceedings accessible to all citizens. Individuals with special needs should call District staff at 530-533-6038 or 530-342-7350, Monday through Thursday, 6:00 a.m. to 4:30 p.m. to request disability-related modifications/accommodations or to request materials in alternate formats. All requests for special accommodations and/or alternative format documents must be made 48 hours prior to the meeting.

1. ***Regular Board of Trustees Meeting Time:*** 4:00 PM ***Date:*** October 12, 2022
2. ***Call to Order*** – 4:00 PM (Call Roll)
3. ***Persons Wishing to Address the Board on Items Not on the Agenda (limit to 5 minutes):***
4. ***Approval of Minutes of the Meeting of:*** September 14, 2022
5. ***Persons Wishing to Address the Board Pertaining to Closed Session Matters:*** N/A
6. ***Closed Session Announcement (District Legal Counsel Present):*** None
7. ***Reports: (7.1 – 7.5)***
 - 7.1 ***District Manager's Report***

The District Manager will provide a brief report on current District business and activities. The Manager will also report on District employees, meetings attended, and current projects.
 - 7.2 ***District Departments Report***

The Assistant Manager and District staff members present, will provide reports on all the business and activities of all the District's departments. District departments include Entomology, Ground Operations, Aircraft Operations, and Public Information and Outreach.
 - 7.3 ***2022 / 2023 First Quarter Fiscal Report***

By the time of the Board Meeting, staff will have the 2022/2023 1st quarter fiscal report prepared and available for review. The Administrative Manager will discuss and explain the report. Additionally, the District Manager will be available to answer questions and assist in explaining the report.
 - 7.4 ***2022 BCMVCD 3rd Quarter Newsletter***

The Assistant Manager will review the District's 3rd Quarter Newsletter which will be available for review at the meeting. The Assistant Manager will report on the topics presented in the newsletter.

7.5 Board of Trustees Terms

Board of Trustees; Member LaRocca, Member Sheppard, and Member Schuster have terms expiring December 31, 2022, and will be asked if reappointment is desired. If reappointment is desired, District staff will send reminder letters to those Members respective appointing bodies.

8. Policy Matters: (8.1)

8.1 Consider Declaring Three Pieces of District Equipment Surplus to Need and Remove From the Assets List

The Board will be asked to consider three piece of equipment surplus to need, authorize a minimum bid amount for two items, and authorize management to dispose of them. The Board will be asked to consider declaring truck V107, a 1981 GMC flatbed and car trailer E144, a 2000 Carson, surplus to need and to set a minimum bid price. District management is recommending a minimum bid of \$500.00 for each item. The Board will be asked to consider declaring home-made trailer E148 surplus to need and authorize District management to donate or dispose of it.

9. Topic of the Month:

The Board will hear a report from the District's Entomologist on how the District's WALs machine works.

10. Approve Payment of The Bills:

The Board will be asked to review the demands made upon the District for the past month and consider approving the payment of the bills.

11. Personnel:

All seasonal employees were laid off on September 29, 2022, except for the Lab Technician and the yard assistant. The Lab Technician was laid off on October 6, 2022, and yard assistant will be laid off on October 13, 2022.

12. Correspondence: N/A

13. Other Business: N/A

14. Persons Wishing to Address the Board Pertaining to Closed Session Matters: N/A

15. Closed Session Matters (District Legal Counsel Not Present): None

16. Adjournment: (Next Regular Meeting of the BCMVCD Board of Trustees is November 9, 2022)

**Regular Minutes of the Board of Trustees of the Butte County Mosquito and Vector Control
District Meeting held September 14, 2022**

Members Present: Michael Barth, Darlene Fredericks, Vice President Dr. Larry Kirk, Bruce Johnson, Philip LaRocca, Assistant Secretary Melissa Schuster, Secretary Bo Sheppard, and Carl Starkey.

Members Excused: President Dr. Albert Beck.

Members Absent: Chuck Reynolds

Also Present: District Manager Matt Ball, Assistant Manager Aaron Lumsden, Administrative Manager Maritza Sandoval, and Entomologist Amanda Bradford.

1. The Regular Meeting of the Board of Trustees of the Butte County Mosquito and Vector Control District held on September 14, 2022, at 444 Otterson Drive, Chico, CA 95928.
2. The September 14, 2022, Butte County Mosquito and Vector Control District regular meeting of the Board of Trustees was called to order at 4:01 PM by Vice President Kirk.
3. Seeing and hearing no persons wishing to address the Board on items not on the agenda, Vice President Kirk proceeded to request approval of the minutes.
4. After review, it was then moved by Member Johnson, seconded by Member Starkey, and passed unanimously to approve the minutes of the Board of Trustees meeting held August 10, 2022, as written.
5. No persons wishing to address the Board on closed session matters.
6. No closed session matters needing legal counsel.
7. Reports (7.1 – 7.2)
- 7.1 Under item 7.1 of reports, District Manager's Report, the District Manager reported that on August 11, 2022, the District completed the monthly staff meeting and all vehicle inspections. The District's Safety Committee also met on this date.

On August 16, 2022, the District Manager and Assistant Manager met representatives of CDFW, UC Davis, and Bird Haven Ranch to review the protocols of the large multi-year wetland management BMP project to reduce mosquitoes.

On August 17, 2022, per the request of Supervisor Kimmelshue, the District Manager provided a tour of the District to Supervisor Todd Kimmelshue. The tour was informative and Supervisor Kimmelshue appreciated the work the District performs.

On August 18, 2022, District management met with representatives of M&I to receive a security report, discuss current projects, and review completed tasks.

On August 19, 2022, the District Manager attended the MVCAC Legislative Committee biweekly call. The meeting consisted of legislative bill reviews, legislative projects, and regulatory issues.

On August 25, 2022, the District Manager met with representatives of M&I to explore the reasons why the District's Administration Building Wi-Fi drops intermittently.

On September 2, 2022, the District Manager attended the MVCAC Legislative Committee biweekly call. The meeting consisted of legislative bill reviews, legislative projects, and regulatory issues.

On September 5, 2022, the District remained open on Labor Day and had District employees work on a voluntary basis.

Per the County Auditor's office, OMAD's funds are zeroed out and the cash balance of \$14,645.66 was transferred to BCMVCD's operating fund with a transaction date of 6/30/2022. No further transactions shall be posted into fiscal year 2022/2023 for OMAD.

- 7.2 Under item 7.2 of reports, the Assistant Manager reported that the District's New Jersey light traps and gravid traps have continued catching mosquitoes. *Culex pipiens* populations have decreased recently, but are higher than the previous year. *Culex tarsalis* populations have plummeted and are lower than the previous year at this time. Most mosquito species populations have decreased over the past month, however *Anopheles Freeborni* have slightly increased. Sentinel chickens sera samples are continuing to be taken biweekly. CO2 trapping has continued and traps are being

deployed routinely. Mosquito pools are being submitted for mosquito-borne disease. As of September 5th, 366 pools have been submitted for testing with 32 being positive for WNV. *Aedes aegypti* has continued to be detected in the city of Oroville with a total of 23 detections, many which have been at the same trap location. *Aedes aegypti* was also detected in the city of Chico with a total of 6 detections, first being on August 30th. The Districts Invasive Mosquito Response Plan was followed on all detections. On August 25th, the District conducted its first WALs treatment for this year in the city of Oroville. Since then multiple WALs treatments have been conducted in Oroville and one in Chico. As of August 3rd, there have been 9 positive pools, 5 sentinel chickens, and 1 positive bird within the District's service area in 2022. WNV has been identified in 702 mosquito pools, 49 dead birds, 7 humans, 2 chickens, and 2 horses in California to date.

As of September 7th, there have been 32 positive pools, 22 sentinel chickens, 2 positive birds, and 3 positive humans within the District's service area in 2022. WNV has been identified in 2,136 mosquito pools, 113 dead birds, 35 humans, 78 chickens, and 5 horses in California to date.

The District's fishponds continue to be in full use for the season. The four indoor fish tanks have gone through annual maintenance and are continuing to produce fry in preparation for the cold season.

Mosquito and Vector Control Specialists (Specialists) have continued mosquito surveillance and treatments in all sources, such as: flood water areas, agricultural, ditches, drains, urban sources, etc. Service requests for inspections, fish, and treatments have continued to increase over the past month. The District has continued night-time adulticide operations on a regular basis.

As of September 5th, the District has treated 3,575 acres of managed wetlands. The acreage at this time last year was 4,421 acres. The District has treated 55,086 acres of rice. The acreage at this time last year was 40,600 acres. 606Y has made 8 ULV adulticide treatments this year. Last year at this time, 606Y had made 9 ULV treatments.

The PR Department is reviewing and updating (if needed) the District's website, brochures, photo and video files, and other informational documents. The District mobile friendly website continues to be updated as needed. The District public service announcements have continued, running on billboards, newspapers, radio and television. The District is also planning on attending the Salmon Festival on September 24th.

After this final item of reports, Vice President Kirk asked the District Manager to proceed to policy matters.

8. Policy Matters (8.1 – 8.2)

8.1 Under item 8.1 of reports, the Board was asked to consider a Capital Expenditure for a 2023 Ford Explorer Base 4x4. This item has been budgeted. It was then moved by Member Barth, seconded by Member Johnson, and passed unanimously with a vote of 8 ayes and 0 nays to authorize a Capital Expenditure for a 2023 Ford Explorer Base 4x4 with an allowance from \$38,468.50 to \$41,900.03 plus applicable fees, taxes, and registrations.

8.2 Under item 8.2 of reports, the Board was asked to consider a Capital Expenditure for a 8.5x20 deckover trailer. This item has been budgeted. It was then moved by Member Schuster, seconded by Member Sheppard, and passed unanimously with a vote of 8 ayes and 0 nays to authorize a Capital Expenditure for a 8.5x20 deckover trailer with an allowance from \$9,449.00 to \$11,313.03 plus applicable fees, taxes, and registrations.

9. Under topic of the month, the District's Entomologist gave a presentation on the biology and control of *Aedes melanimon*.

10. After reviewing the demands made upon the District for the past month, it was then moved by Member Sheppard, seconded by Member Starkey, and passed unanimously with a vote of 8 ayes and 0 nays to authorize checks numbered 51307 through 51440 be signed and distributed. Expenditures for the month totaled \$559,767.82.

11. No personnel items to report.

12. No items of correspondence to report.

13. No other business to report.

14. No persons wishing to address the Board pertaining to closed session matters.

15. No closed session matters not warranting legal counsel.

16. Vice President Kirk announced adjournment at 4:59 PM and concluded by stating that the next regular meeting of the BCMVCD Board of Trustees would meet at 4:00 PM on October 12, 2022, at the Chico Substation's Board Room at 444 Otterson Drive, Chico, CA 95928.

Respectfully submitted,

James "Bo" Sheppard,
Secretary

On September 15, 2022, the District completed the monthly staff meeting and all vehicle inspections. The District's Safety Committee met on this date. Also on this date, the District Manager met with a representative of Valent BioSciences to discuss products and packaging.

On September 16, 2022, the District Manager attended the MVCAC Legislative Committee biweekly call. The meeting consisted of legislative bill reviews, legislative projects, and regulatory issues.

On September 20, 2022, the District Manager met with a representative of Central Life Sciences to discuss products, pricing, and availability.

On September 29, 2022, the District hosted its Seasonal Appreciation Luncheon. This luncheon is provided to all staff and District funds are not used.

On October 3, 2022, the District Manager met with representatives of Adapco to discuss products, pricing, and availability.

On October 5, 2022, the District Manager met with representatives of Clarke to discuss products, pricing, and availability.

October 6, 2022, marked the end of the District's aggressive larvicide program for 2022. All treatments following October 6th will be made without seeking property owner reimbursement.

LAB / VECTOR SURVEILLANCE: The District's New Jersey light traps and gravid traps have continued catching mosquitoes (Attachments #1). *Culex pipiens* populations are lower than the previous year. *Culex tarsalis* populations have plummeted and are lower than the previous year at this time. Most mosquito species populations have decreased over the past month, however *Aedes melanimon* are increasing. Sentinel chickens sera samples are continuing to be taken biweekly. CO2 trapping has continued and traps are being deployed routinely. Mosquito pools are being submitted for mosquito-borne disease. As of October 6th, 431 pools have been submitted for testing with 39 being positive for WNV. *Aedes aegypti* has continued to be detected in the cities of Oroville and Chico with a total of 29 detections, many which have been at the same trap location. The District's Invasive Mosquito Response Plan was followed on all detections.

VIRUS SURVEILLANCE: As of October 6th, there have been 39 positive pools, 27 sentinel chickens, 2 positive birds, and 3 positive humans within the District's service area in 2022. WNV has been identified in 2,925 mosquito pools, 166 dead birds, 81 humans, 123 chickens, and 11 horses in California to date (Attachment #2).

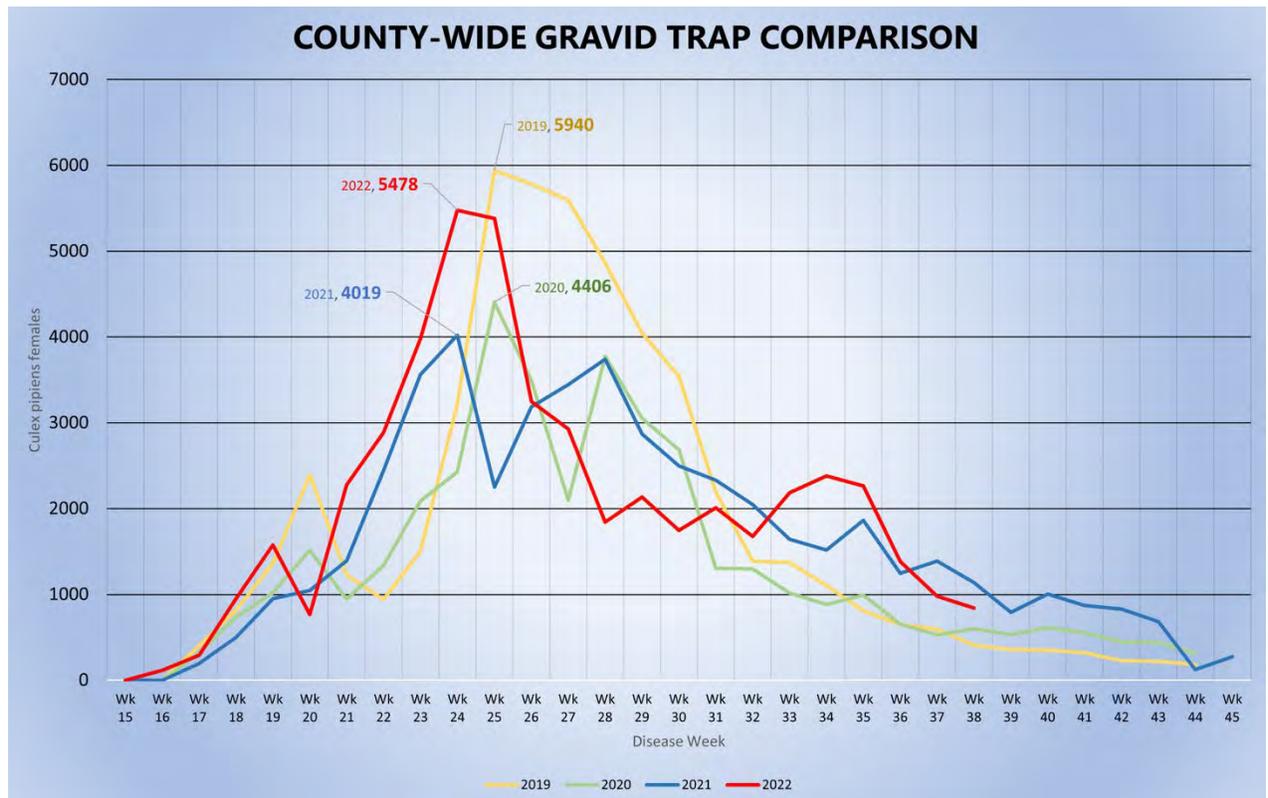
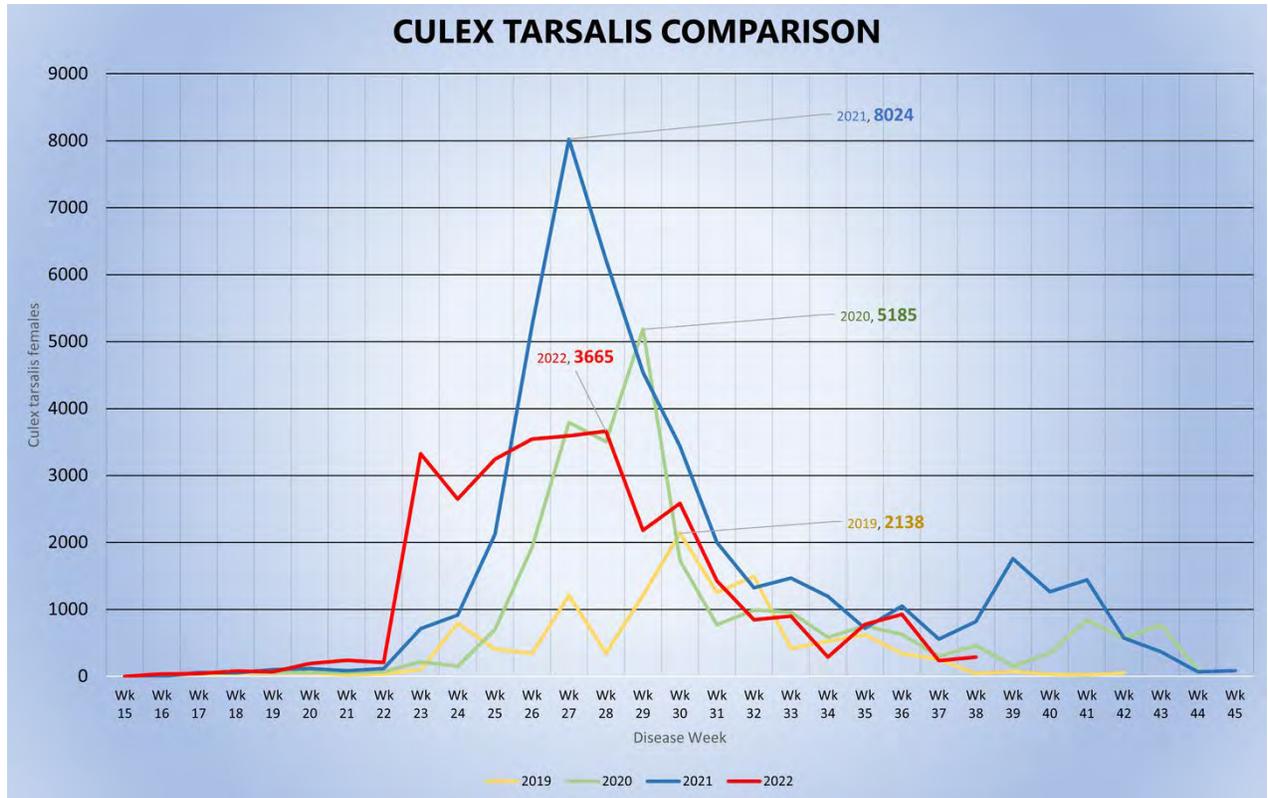
MOSQUITOFISH OPERATIONS: The District's fishponds continue to be in full use for the season. The four indoor fish tanks are continuing to produce fry in preparation for the cold season. Also, on September 27th, the District acquired 10 pounds of mosquitofish from Sacramento-Yolo MVCD to add to the interior tanks. The public fish tanks were pulled from the field on September 28th.

CONTROL OPERATIONS: Mosquito and Vector Control Specialists (Specialists) have continued mosquito surveillance and treatments in all sources, such as: flood water areas, agricultural, ditches, drains, urban sources, etc. Service requests for inspections, fish, and treatments have continued to increase over the past month. The District has continued night-time adulticide operations on a regular basis.

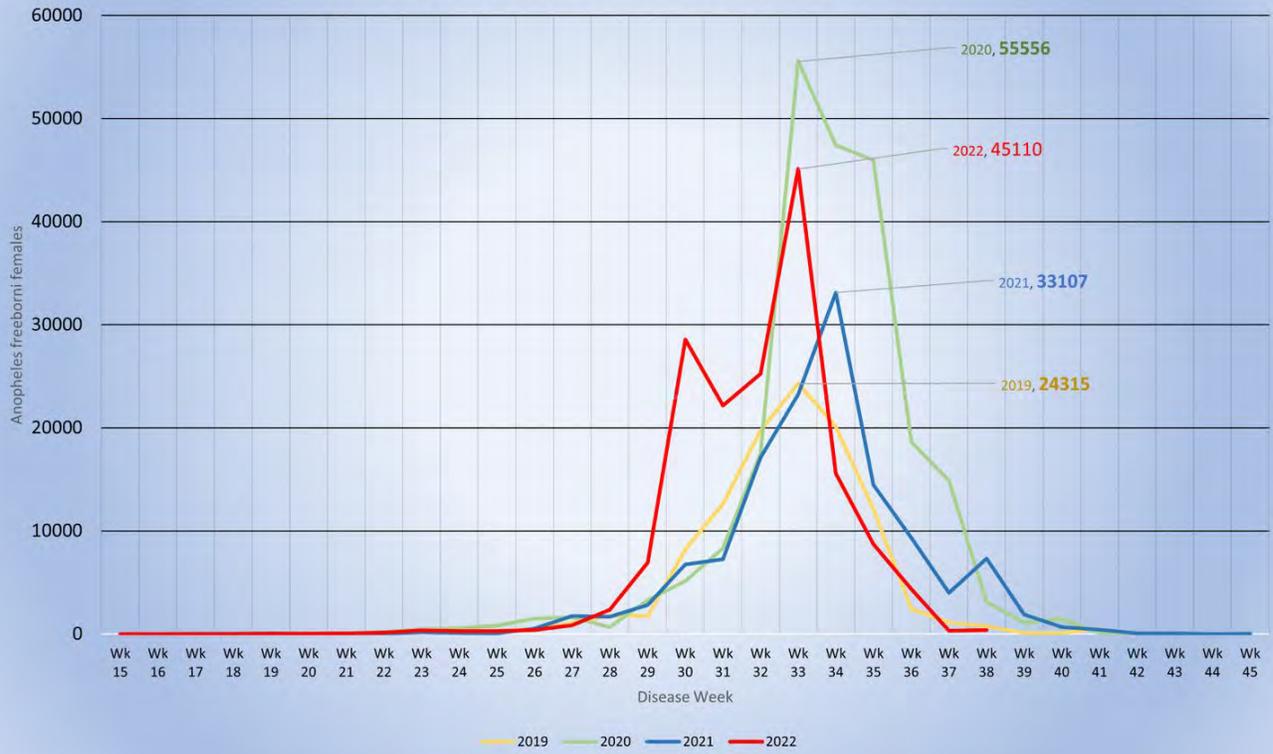
AIRCRAFT OPERATIONS: As of September 5th, the District has treated 3,575 acres of managed wetlands. The acreage at this time last year was 4,421 acres. The District has treated 56,152 acres of rice. The acreage at this time last year was 40,600 acres. 606Y has made 13 ULV adulticide treatments this year. Last year at this time, 606Y had made 9 ULV treatments.

PUBLIC INFORMATION & OUTREACH: The PR Department is reviewing and updating (if needed) the District's website, brochures, photo and video files, and other informational documents. The District mobile friendly website continues to be updated as needed. The District public service announcements have continued, running on billboards, newspapers, radio and television. The District attended the Salmon Festival on September 24th.

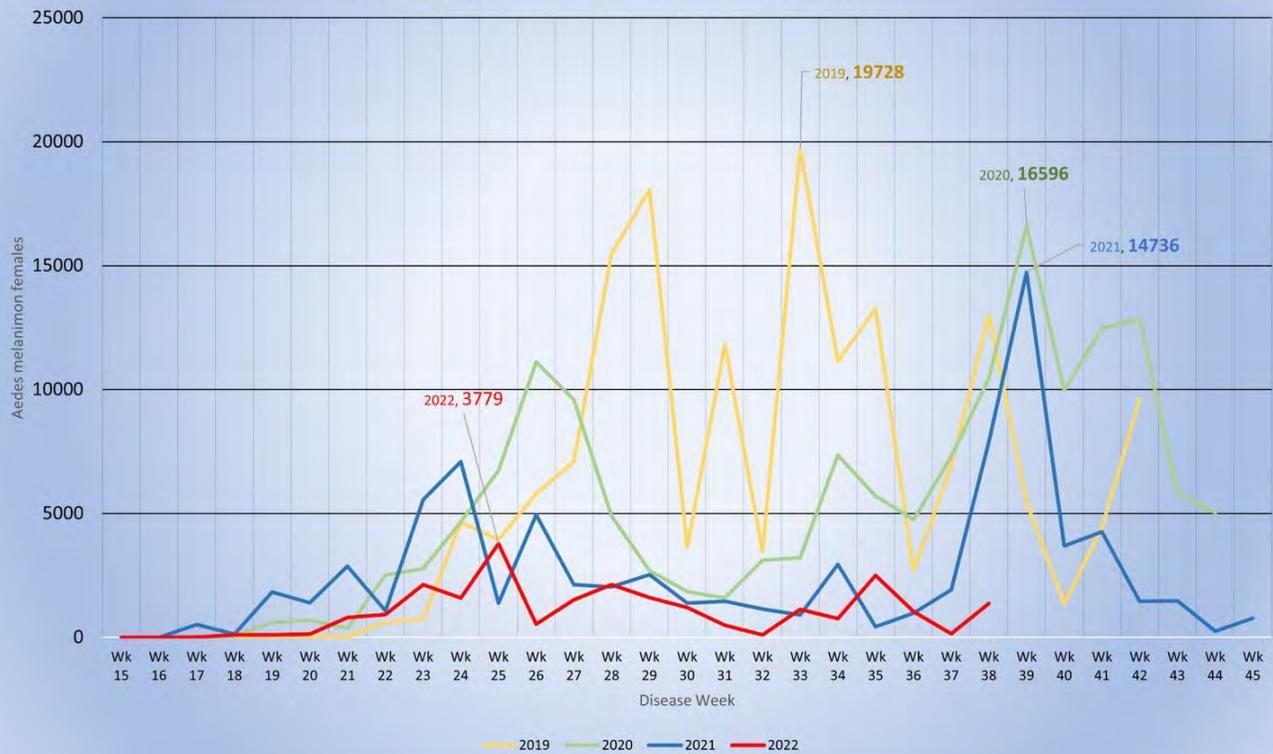
Attachment #1



ANOPHELES FREEBORNI COMPARISON



Aedes melanimon COMPARISON



Attachment #2

West Nile Virus Activity in California Counties 2022 Year-to-date



	Humans	Horses	Dead Birds	Dead Squirrels	Mosquito Pools	Sentinel Chickens
2004	7	18	118	0	1	50
2005	25	7	79	0	4	15
2006	34	0	40	1	1	49
2007	16	0	27	0	5	32
2008	6	0	38	0	5	31
2009	2	0	13	0	5	36
2010	1	1	6	1	7	7
2011	3	0	0	0	1	20
2012	10	2	53	2	27	43
2013	24	0	42	1	38	57
2014	25	0	22	0	43	37
2015	55	0	38	0	101	37
2016	21	0	22	0	48	38
2017	3	0	5	0	49	31
2018	12	0	4	0	49	37
2019	5	0	1	0	45	34
2020	4	1	4	0	31	23
2021	12	0	2	0	80	26
2022	3	0	2	0	39	27
Total:	268	29	516	5	579	630

Assets to Declare Surplus-to-Need

V107 – 1981 GMC Flatbed – [Minimum bid \\$500](#)

VIN – 1GTESD1A2BV568651

License - 270779

- 45,139 miles
 - GVWR – 16,000 lbs
 - Vehicle Weight – 7,540 lbs
 - 12-foot bed
 - (6) tires – 7.50 x 20
-

E144 – 2000 Carson 7K Car Hauler – [Minimum bid \\$500](#)

VIN – 4HXCC18271C027

License – 1064875

- Vehicle Weight – 1,800 lbs
 - 2 axel
 - 18-foot bed
 - 22 ½ foot bumper-to-bumper
 - (2) 6-foot wheel ramps
 - Spare tire
 - 2 inch ball hitch
 - 24 inch bed height
 - Comes with Warn Winch
-

E148 – 2002 Homemade Trailer – [Surplus to Need](#)

License – 1114337

- 13-foot trailer
- 17-foot bumper-to-bumper
- Single axel
- 2 inch ball hitch
- 21 inch bed height