



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:*** August 10, 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:*** July 13, 2022
5. ***Persons Wishing to Address the Board Pertaining to Closed Session Matters:***
6. ***Closed Session Announcement (District Legal Counsel Present):*** None
7. ***Reports: (7.1 – 7.2)***
- 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 the business and activities of the District's departments. District departments include, Entomology, Ground Operations, Aircraft Operations, and Public Information and Outreach.

8. Policy Matters: (8.1)

8.1 Consider Sending Employees and Trustee(s) to the AMCA Annual Conference in Reno, Nevada

The Board will be asked to consider authorizing staff and any Trustee(s) to attend the AMCA Annual Conference in Reno, Nevada, Feb 27, 2023, through March 3, 2023.

9. Topic of the Month:

The Board will hear a brief report on the biology of *Anopheles freeborni*.

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:* N/A

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):* N/A

16. *Adjournment:* (Next Regular Meeting of the BCMVCD Board of Trustees is September 14, 2022)

Regular Minutes of the Board of Trustees of the Butte County Mosquito and Vector Control District Meeting held July 13, 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 July 13, 2022, at 444 Otterson Drive, Chico, CA 95928.
2. The July 13, 2022, Butte County Mosquito and Vector Control District regular meeting of the Board of Trustees was called to order at 4:00 PM by Vice President Kirk.
3. Seeing and hearing no additional 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 Sheppard, and passed unanimously with Member Starkey abstaining due to his excused absence to approve the minutes of the Board of Trustees meeting held June 8, 2022, as written.
5. No persons wishing to address the Board on closed session matters.
6. No closed session matters needing legal counsel.
7. Under item 7, at 4:02 PM Vice President Kirk opened the Public Hearing regarding Resolution No. 22-09, a Resolution of the Board of Trustees of the Butte County Mosquito and Vector Control District, a resolution approving the Engineer's Reports, confirming the assessment diagram and assessment, and ordering the levy of assessments for fiscal year 2022-2023 for the Mosquito, Vector and Disease Control Assessment. The District Manager and Kyle Tankard provided a report and explained the process of Proposition 218. After the Public Hearing was closed at 4:05 PM, it was then moved by Member Sheppard, seconded by Member Johnson, and passed unanimously with a vote of 8 ayes and 0 nays to adopt Resolution No. 22-09 a Resolution of the Board of Trustees of the Butte County Mosquito and Vector Control District approving the Engineer's report, confirming diagram and assessment, and ordering levy of the Mosquito, Vector and Disease Control Assessment for fiscal year 2022-2023.
8. Reports (8.1 – 8.4)
 - 8.1 Under item 8.1 of reports, District Manager's Report, the District Manager reported that on June 9, 2022, the District completed the monthly staff meeting and all vehicle inspections. The District's Safety Committee also met on this date.

On June 10, 2022, the District Manager attended the MVCAC Legislative Committee biweekly call. The meeting consisted of legislative bill reviews, legislative projects, and regulatory issues.

On June 13, 2022, the District Manager hosted the monthly West Nile virus taskforce meeting with the Butte County Public Health Department. During the meeting the District shares mosquito surveillance numbers, West Nile virus activity, and the two agencies plan for public outreach and communications.

On June 15, 2022, District management attended a virtual meeting to view a demonstration on Field Seeker mapping and data collection services.

On June 21, 2022, the District Manager met with representatives of Valent Biosciences to discuss products, pricing, availability, and inventory.

On June 24, 2022, the District Manager attended the MVCAC Legislative Committee biweekly call. The meeting consisted of legislative bill reviews, legislative projects, and regulatory issues.

On July 11, 2022, the District Manager hosted the monthly West Nile virus taskforce meeting with the Butte County Public Health Department. During the meeting the District shares mosquito surveillance numbers, West Nile virus activity, and the two agencies plan for public outreach and communications.

The District Manager reminded the Board the District was closed on July 4th, 2022, for Independence Day.

- 8.2 Under item 8.2 of reports, the Assistant Manager reported that the District's New Jersey light traps and gravid traps have continued catching mosquitoes. *Culex pipiens* populations are much higher than the previous year. *Culex tarsalis* populations are also higher than the previous year at this time. Most mosquito species populations have increased over the past month. Sentinel chicken's 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 July 5, 2022, 140 pools have been submitted for testing. Also, for the first time in 2022, on June 27th and 28th the District detected the invasive mosquito *Aedes aegypti* in the city of Oroville; marking three straight years the District has detected the invasive mosquito in the county. The District's invasive response plan was followed for surveillance and control measures.

West Nile virus (WNV) activity has been reported within the District's service area. Two mosquito pools tested positive, one in the Palermo area and the other in the Dayton area. WNV has been identified in 138 mosquito pools and 14 dead birds in California to date.

The District's fish ponds are in full use for the season, the four indoor fish tanks have slowed operations for annual maintenance in preparation for the offseason. The District's exterior fish ponds are producing plenty of fish for operational use.

Mosquito and Vector Control Specialists (Specialists) have continued mosquito surveillance and treatments in all sources, such as: rock pits, dredger pits, 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 also begun night-time adulticide operations on a regular basis. The last flight for aerial surveillance of unmaintained swimming pools was conducted on June 16, 2022. Pool maps are currently being inspected, with many being complete.

As of July 5, 2022, 714Y has treated 1,538 acres of managed wetlands. The acreage at this time last year was 1,833 acres. 6633K has treated 21,508 acres of rice. The acreage at this time last year was 15,732 acres. 606Y has made 0 ULV adulticide treatments this year. Last year at this time, 606Y had made 0 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 has done interviews with local media in regards to *Aedes aegypti* and West Nile virus. The District had its three aircrafts and tank trucks in display at the Oroville airport for the 4th of July Fly-in annual event.

- 8.3 Under item 8.3 of reports, 2021/2022 4th Quarter Fiscal Reports, the Administrative Manager reported that salaries and benefits category is 89.7% expended, services and supplies category is 97.5% expended, capital outlay category is 81.9%. It was then stated that overall expenditures are currently at 92.2% expended and current revenues are at 133.5% received.
- 8.4 Under item 8.4 of reports, 2nd Quarter Newsletter, the Assistant Manager reviewed the 2nd Quarter Newsletter with the Board.

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

9. Policy matters (9.1 – 9.6)

- 9.1 Under item 9.1 of policy matters, the Board was asked to consider adopting the 2022/2023 fiscal budgets as final as well as Resolution No. 22-10. The District Manager and Administrative Manager reviewed and explained the budgets and reported the proposed changes made to the preliminary budgets. It was then moved by Member Barth, seconded by Member LaRocca, and passed unanimously with a vote of 8 ayes and 0 nays to approve and adopt Resolution No. 22-10 and the 2022/2023 fiscal budgets as final.
- 9.2 Under item 9.2 of policy matters, the Board was asked to consider renewing membership with the AMCA. The District Manager informed the Board of the benefits of belonging to the association. The cost for a sustaining membership is \$3,219.75. It was then moved by Member LaRocca, seconded by Member Schuster, and passed unanimously with a vote of 8 ayes and 0 nays to renew membership with the AMCA in the amount of \$3,219.75.
- 9.3 Under item 9.3 of policy matters, the Board was asked to consider declaring various assets on the provided list surplus to need and direct staff to sell, donate/or dispose of the assets as well as removing the items from the District's tracked asset list. It was moved by Member Johnson,

seconded by Member Sheppard, and passed unanimously with a vote of 8 ayes and 0 nays to consider declaring various assets on the provided list surplus to need and direct staff to sell, donate/or dispose of the assets as well as removing the items from the District's tracked asset list.

- 9.4 Under item 9.4 of policy matters, the Board was asked to consider an amendment to Operations Policies, Policy 3003 Public Utility Outages. It was then moved by Member Schuster, seconded by Member Johnson, and approved unanimously with a vote of 8 ayes and 0 nays to adopt amendments to Operations Policies, Policy 3003 Public Utility Outages as proposed.
- 9.5 Under item 9.5 of policy matters, the Board was asked to consider amendments to Vector Control Operations Policies, Policy 4000, General Information and Policy 4090, Mosquito Control to Organic Crops. It was then moved by Member Schuster, seconded by Member Sheppard, and approved unanimously with a vote of 8 ayes and 0 nays to adopt all the amendments to Vector Control Operations Policies; Policy 4000, General Information and Policy 4090, Mosquito Control to Organic Crops as proposed.
- 9.6 Under item 9.6 of policy matters, the Board was asked to consider an amendment to Personnel Policy, Policy 7190, Drug and Alcohol Abuse. This amendment is recommended by the District's legal counsel. It was then moved by Member Sheppard, seconded by Member Schuster, and approved unanimously with a vote of 8 ayes 0 nays to adopt all the amendments to Personnel Policy, Policy 7190, Drug and Alcohol Abuse as proposed.
10. Under topic of the month, the District's Entomologist gave a presentation on the biology of *Culex tarsalis*.
11. After reviewing the demands made upon the District for the past month, it was then moved by Member Sheppard, seconded by Member Johnson, and passed unanimously with a vote of 8 ayes and 0 nays to authorize checks numbered 50969 through 51153 be signed and distributed. Expenditures for the month totaled \$413,899.13.
12. No personnel items to report.
13. No items of correspondence to report.
14. No other business to report.
15. No persons wishing to address the Board pertaining to closed session matters.
16. No closed session matters not warranting legal counsel.
17. Vice President Kirk announced adjournment at 5:14 PM and concluded by stating that the next regular meeting of the BCMVCD Board of Trustees would meet at 4:00 PM on August 10, 2022, at the Chico Substation's Board Room at 444 Otterson Drive, Chico, CA 95928.

Respectfully submitted,

James "Bo" Sheppard,
Secretary

On July 14, 2022, the District completed the monthly staff meeting and all vehicle inspections. The District's Safety Committee also met on this date.

On July 21, 2022, the District Manager virtually attended the Sac Valley Region meeting to discuss the upcoming MVCAC Board meeting, review action items, and to discuss issues affecting the region. Also the region receives reports from MVCAC committees, industry, CDPH, and VCJPA.

On July 25, 2022, the District Manager met with representatives of Adapco to discuss products, pricing, availability, and inventory. The District's inventory is in great shape and availability of products should not be an issue this season.

On July 27, 2022, the District Manager met with Supervisor Kimmelshue and a property owner of Butte County to discuss the District's Aggressive Larvicide Program. The meeting went well and a lot of information was provided to the parties.

On July 28, 2022, the District Manager and Administrative Manager virtually attended the MVCAC Summer Board meeting. During the meeting business of the association was handled, reports from committees, industry and regions was heard, and issues surrounding the industry was discussed.

On August 5, 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 8, 2022, the District Manager hosted the monthly West Nile virus taskforce meeting with the Butte County Public Health Department. During the meeting the District shares mosquito surveillance numbers, West Nile virus activity, and the two agencies plan for public outreach and communications.

On August 9, 2022, District management met with representatives of M&I to receive a security report, discuss current projects, and review completed tasks.

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 are also much lower than the previous year at this time. Most mosquito species populations have increased over the past month with *Culex tarsalis* beginning to fall off. Sentinel chicken 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 August 2nd, 295 pools have been submitted for testing with 6 being positive for WNV. *Aedes aegypti* was again detected on July 19th, July 26th, and August 2nd in the city of Oroville with the last detection being a new site. The District's Invasive Mosquito Plan was followed.

VIRUS SURVEILLANCE: As of August 3rd, there have been 6 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 (Attachment #2).

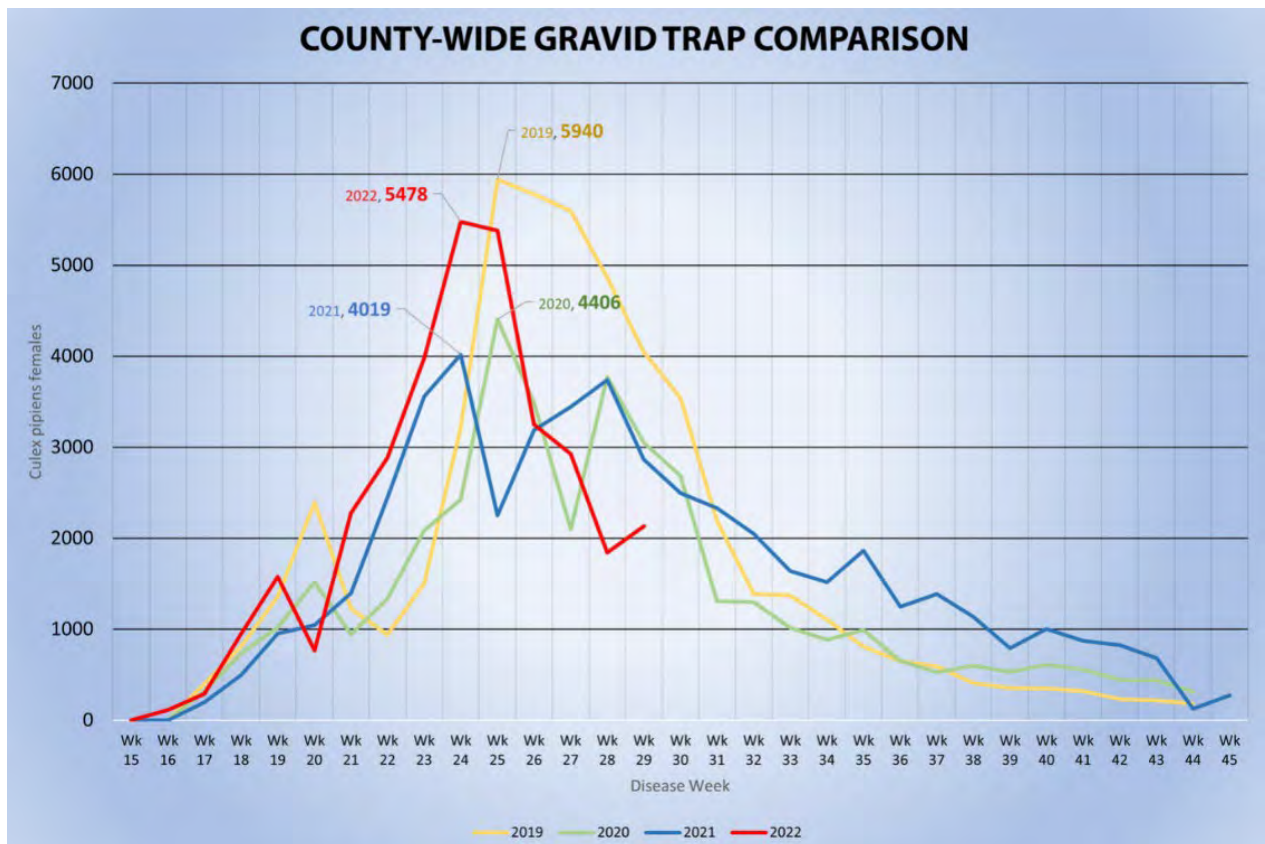
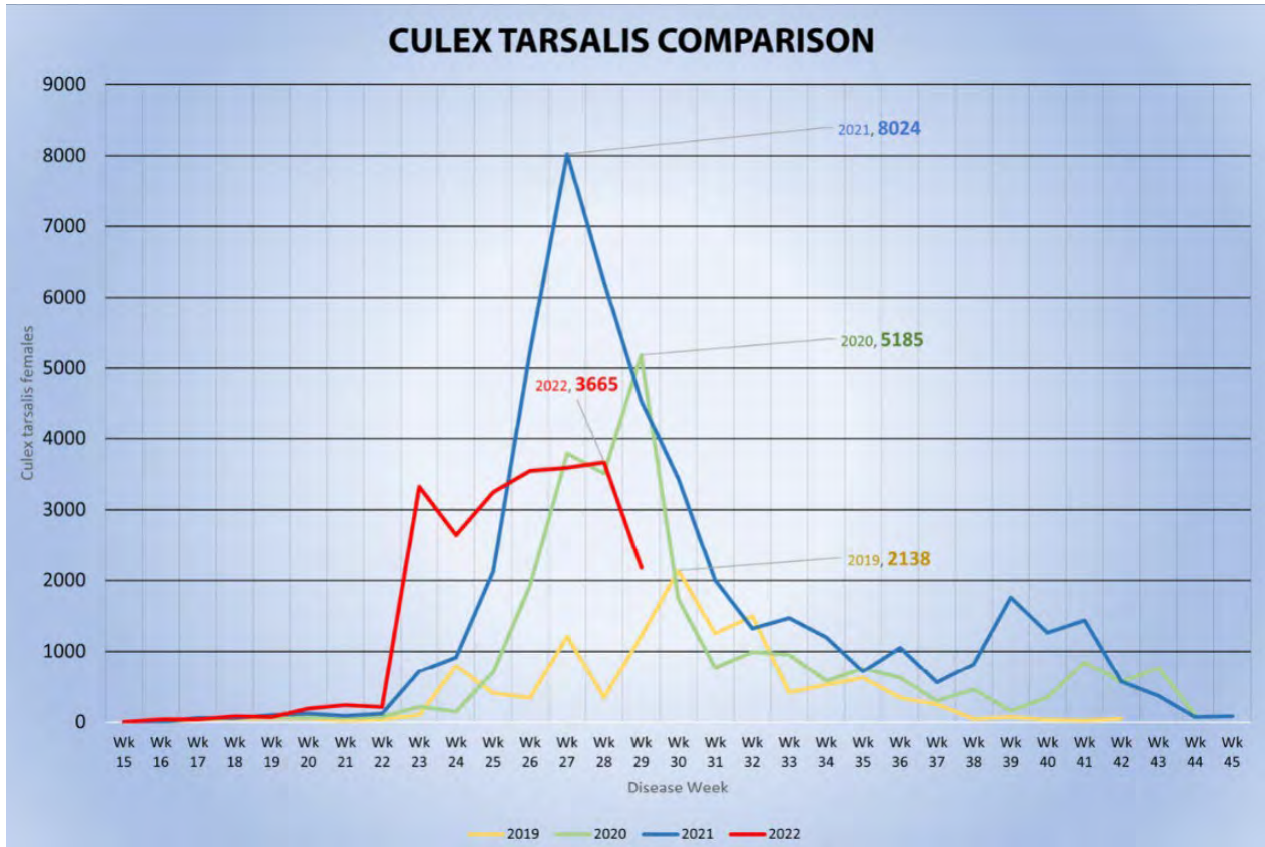
MOSQUITOFISH OPERATIONS: The District's fishponds continue to be in full use for the season. The four indoor fish tanks have gone through annual maintenance and are beginning to produce fry in preparation for the cold season.

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.

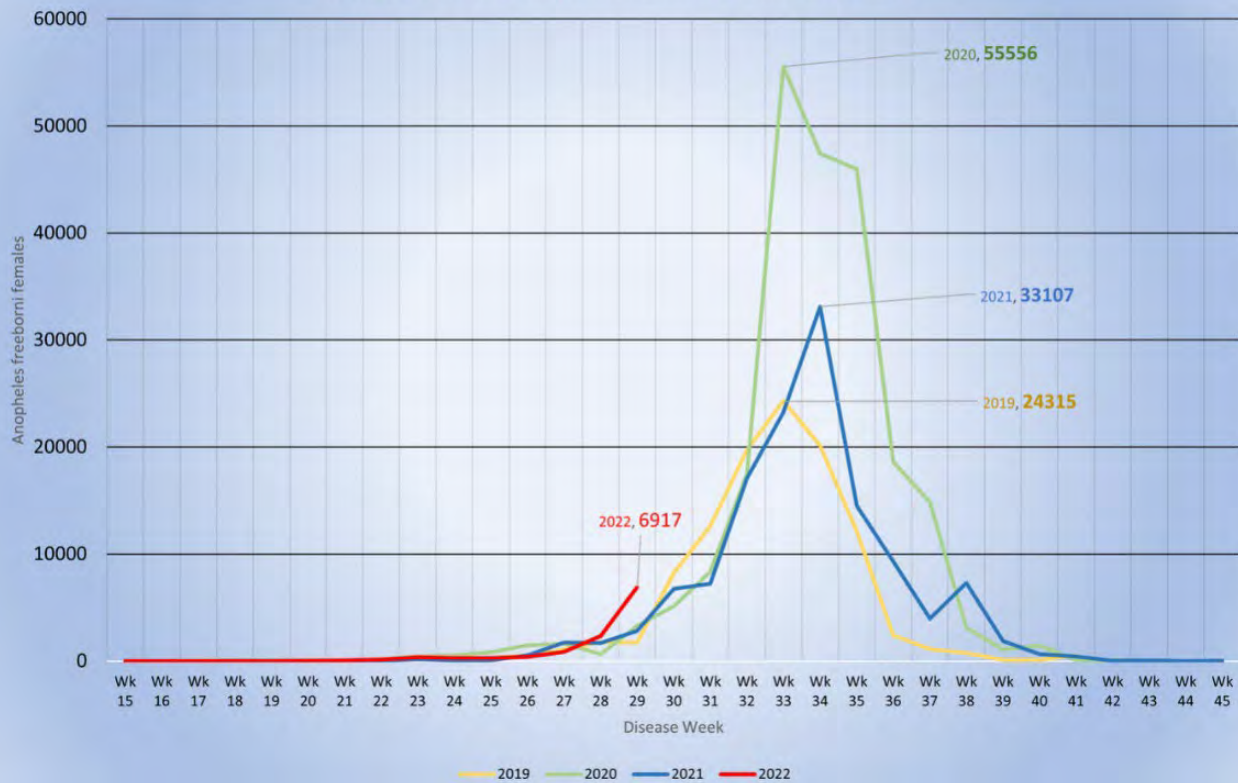
AIRCRAFT OPERATIONS: As of August 3, 2022, the District has treated 2,253 acres of managed wetlands. The acreage at this time last year was 2,834 acres. The District has treated 39,186 acres of rice. The acreage at this time last year was 31,297 acres. 606Y has made 2 ULV adulticide treatments this year. Last year at this time, 606Y had made 3 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 is also planning on attending the Salmon Festival on September 24th.

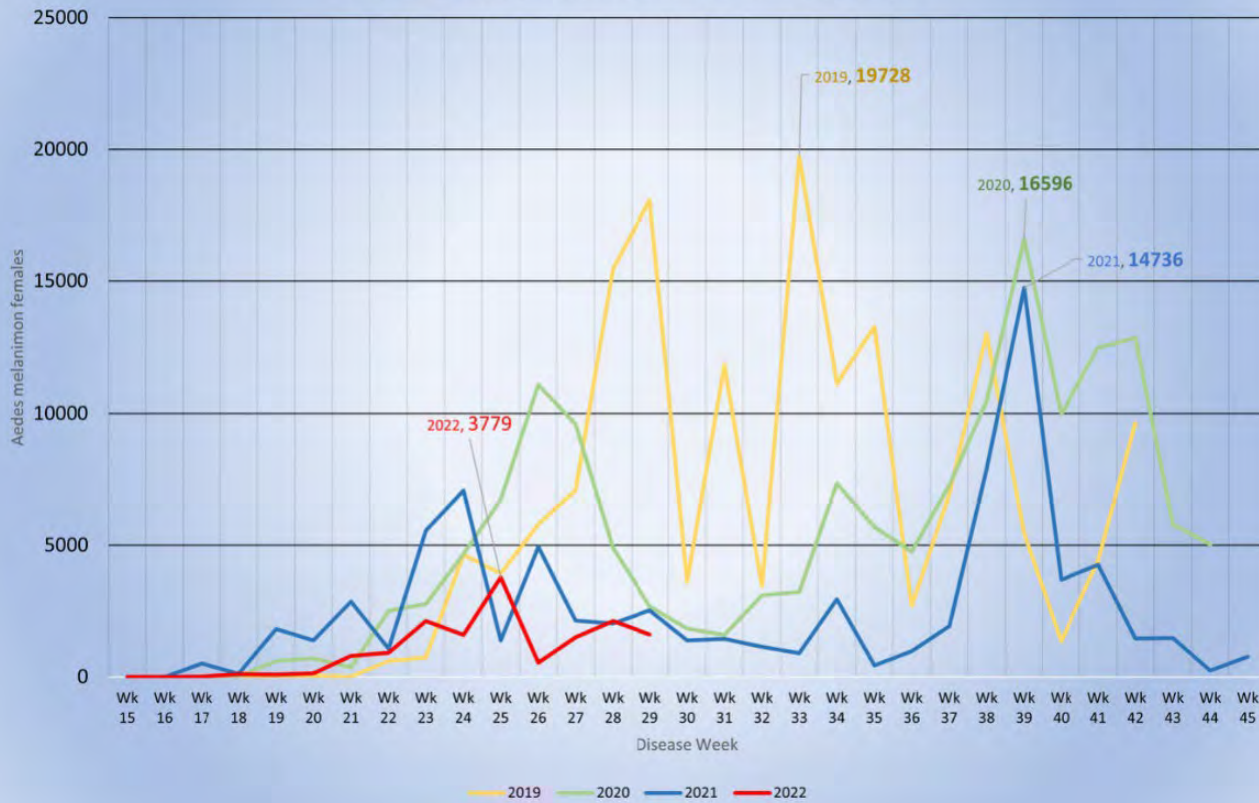
Attachment #1



ANOPHELES FREEBORNI COMPARISON

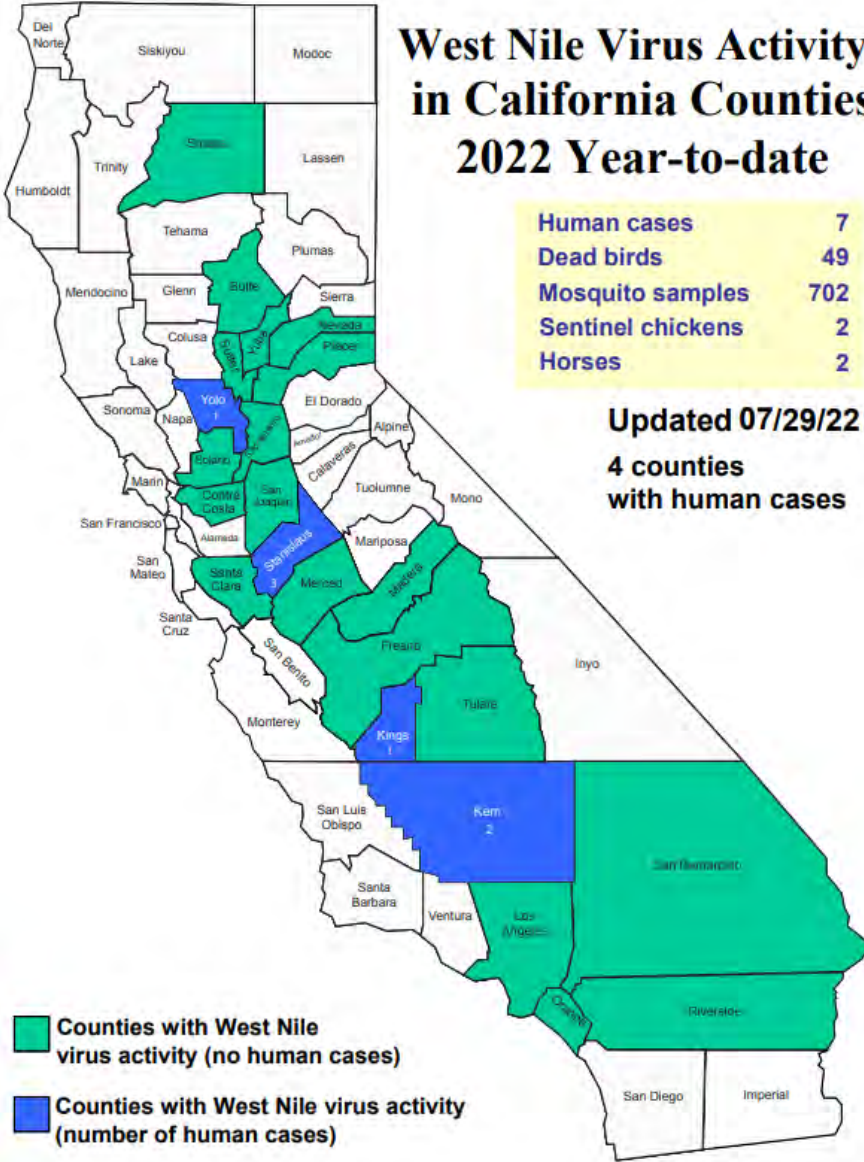


Aedes melanimon COMPARISON



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	0	0	1	0	6	0
Totals	265	29	515	5	546	603