

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

SEPTEMBER 20, 2022

BOARD OF TRUSTEES

BOARD PACKET

10:00 A.M.

8631 BOND ROAD
ELK GROVE, CA 95624

**SACRAMENTO/YOLO MOSQUITO
& VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES REGULAR MEETING**

8631 Bond Road
Elk Grove, CA 95624

**AGENDA
September 20, 2022
10:00 AM**

In compliance with the Americans with Disability 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 office at (916) 685-1022 or (916) 685-5464 (fax). 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 SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at www.fightthebite.net.

***Note:** District Board Members, staff and the public will participate in this meeting via teleconference. In-person attendance at the District Offices will not be permitted, please refer to <https://www.fightthebite.net/about/about-the-board/> for instructions on how to sign-in.

CALL TO ORDER:

- Roll Call
- Pledge of Allegiance

1. **Board Review and Consideration to Authorize the Board Meeting be Conducted by Teleconference**
2. **Items for Approval by General Consent:**
 - a. Minutes of the August 16, 2022 Board of Trustees Meeting
 - b. Expenditures for August 2022
3. **Opportunity for Public Comment**

This item is reserved for members of the public who wish to speak on items not on the agenda
4. **Reports to the Board**
 - a. Manager's Report
 - b. Reports from District Departments
 - Lab/Surveillance
 - Ecological Management
 - Biological Control
 - Larval and Adult Control
 - Public Outreach

5. **Closed Session Conference with District Labor Negotiators (Ad Hoc Committee: (Trustees Burnett, Denny and Hawkins)) - Unrepresented Employee (Gov. Code § 54957.6): Manager**
6. **Board Review and Consideration for Approval of Amendment to General Manager Employment Agreement**
7. **Board/Staff Reports and Requests**
8. **Adjournment**

Sacramento-Yolo Mosquito and Vector Control District

September 20, 2022 Board Meeting

1. Board Review and Consideration to Authorize the Board Meeting be Conducted by Teleconference

Staff Report:

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

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.

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.

This authorization will be in effect for 30 days from approval.

Recommendation:

Move that the board find that, as a result of the COVID-19 emergency, meeting in person would present imminent risks to the health or safety of attendees, and the meeting should be held by teleconference as authorized by subdivision (e)(1)(C) of section 54943 of the Government Code.

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

Sacramento-Yolo Mosquito and Vector Control District

September 20, 2022 Board Meeting

2. Items for Approval by General Consent:

- a. Minutes of the August 16, 2022 Board of Trustees Meeting;
- b. Expenditures for August 2022

Recommendation:

Approve the Items by General Consent

MINUTES OF THE August 16, 2022 MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO- YOLO MOSQUITO & VECTOR CONTROL DISTRICT

Location: Virtual Meeting via Zoom

Time: 10:00 a.m.

Call to Order: The meeting was called to order by Board President Marcia Mooney at 10:00 a.m.

Trustees Present:

Marcia Mooney	President	Galt
Gar House	Vice President	Winters
Sean Denny	Secretary	Woodland
Janell Darroch		West Sacramento
Craig Burnett		Folsom
Lyndon Hawkins		Elk Grove
Jayna Karpinski-Costa		Citrus Heights
Raymond LaTorre		Sacramento
Bruce Eldridge		Yolo County
Staci Gardiner		Isleton
Charles Duty		Sacramento County
Robert McGarvey		Rancho Cordova

Trustee Barker was absent.

Legal Counsel Present:

Jennifer Buckman joined the meeting at 10:33am

Staff Present:

Gary Goodman	Manager
Samer Elkashef	Assistant Manager
Sarah Wheeler	Laboratory Director
Steve Ramos	Program Coordinator
Tony Hedley	Fisheries Supervisor
Luz Robles	Public Information Officer
Marty Scholl	Ecological Management Supervisor

Roll Call

This meeting was by video teleconference. Attendance was taken by Roll Call. All Trustees aside from Trustee Barker were in attendance and a quorum was present.

Pledge of Allegiance

All phones and electronic devices are requested to be silenced during the Pledge of Allegiance and for the duration of the meeting.

1. Board Review and Consideration to Authorize the Board Meeting be Conducted by Teleconference

On a motion by Trustee LaTorre and seconded by Trustee Denny, the Board voted to approve this item. The vote was taken by roll call and the motion passed by the following votes: Ayes: 12, Noes: 0, Absent: 1

2. Items for Approval by General Consent

On a motion by Trustee Denny and seconded by Trustee Burnett, the Board voted to approve General Consent Items. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1

- a. Minutes of the July 19, 2022 Board of Trustees Meeting
- b. Expenditures for July 2022
- c. Board Review and Consideration to Extend Temporary Work Assignments until no later than December 21, 2022

3. Opportunity for Public Comment

This item is reserved for members of the public who wish to speak on items not on the agenda.

No Public was present in the meeting

4. Reports to the Board

Manager's Report: General Manager Gary Goodman gave an update on West Nile virus activity noting that based on historical numbers the District should be seeing a decline in WNV activity, however the higher temperatures might prolong the peak virus season. Mr. Goodman then mentioned the current status of COVID-19 regulations and how it affects work at the District. The presentation then shifted to the status of the District financials and the upcoming audit. The State Water Resource Control Board issued a 30 day notice to add a new active ingredient to the permit. The 30 day comment period will be closing shortly and the MVCAC put in a letter of support. The AMCA requested money from the federal government to create a new aerial adulticide model and it appears that an appropriation will be included in the federal budget. The CDC awarded the AMCA with a grant for \$250,000 to expand the Best Management Practices.

Reports from District Departments: Written reports were provided in the Board packet from each department. Department supervisors gave an oral presentation and were available to answer any questions.

Lab/Surveillance: Laboratory Director, Sarah Wheeler provided an oral report in addition to her written report. Sarah noted that *Culex tarsalis* numbers have dropped but are expected to rise in the coming weeks. *Culex pipiens* numbers are tracking on the 5 year average. Sarah then gave an overview of WNV activity in the District with mosquito, dead bird, sentinel chicken and human positives. Sarah gave an overview of mosquito production from the rice field habitat and an update on *Aedes aegypti* surveillance efforts.

Ecological Management: Ecological Management Supervisor, Marty Scholl, provided an oral report in addition to his written report. Marty started the meeting thanking the local law enforcement agencies for helping the District serve pool warrants in the month of July and the current status of the pool program. He then transitioned to what the outlook of fall flooding is shaping up to be in light of the drought.

Biological Control: Fisheries Supervisor, Tony Hedley provided an oral report in addition to his written report. Tony highlighted how fish are used in the District's control program. To date 2500 sites have been planted with mosquitofish for a total of 2188 lbs of fish.

Larval and Adult Control: Program Coordinator Steve Ramos provided an oral report in addition to his written report. Steve highlighted the work being done in and around the City of Woodland to address the hotspot of virus activity that the area is experiencing. Technicians in wetland areas have been busy speaking to landowners to get a handle on who will be flooding their fields during the fall. Aerial work on both the larval and adult sides have been consistent during the season. Invasive *Aedes* interventions are showing a reduction in the invasive larval population as reported back from field technicians.

Public Outreach: Public Information Officer, Luz Maria Robles provided an oral report in addition to her written report. Luz gave an update on the ride-along that the Sacramento Bee participated in with Control Operations. This ended up being a very nice in-depth look at *Aedes aegypti* within our area. Luz gave an update on the events that the District has participated in this season. Luz noted that National Mosquito Awareness week earlier in the month.

5. Board Review and Approval of MOU changes between the District and Operating Engineers Local Union #3

Mr. Goodman presented this item highlighting the sections that were amended from the previous contract. A motion to pass the MOU was made by Trustee Burnett and seconded by Trustee Mooney. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1.

6. Status of West Nile Virus Activity and District Response

Assistant Manager Samer Elkashef presented this item. Samer went over the local and statewide WNV numbers in both mosquito and dead birds. He then went on to discuss the District's response to locally detected WNV.

The Board went into closed session at 11:14am.

7. Closed Session- Conference with Legal Counsel – Threatened or Anticipated Litigation (Gov. Code s. 54956.9 (d)(1), (d) (2)) – One (1) Matter – Contract Dispute with Complete Welders

8. Closed Session-Conference with Labor Negotiators (Government Code Section 54957.6 - Unrepresented Employee: Assistant Manager)

The Board met in closed session and discussed a potential legal matter with their counsel and discussed the Assistant Manager recruitment with their labor negotiator. They came out of closed session at 11:38am with no action taken and direction given to the Manager.

9. BOARD/STAFF REPORTS AND REQUESTS

District Manager Gary Goodman highlighted the PAMCA visitors from Ghana and Tanzania. They both really enjoyed their visit and took back many lessons learned that they would like to apply in their programs. Mr. Goodman let the Board know of the dates of the upcoming MVCAC meeting and the MVCAC was recruiting for a Board member. Mr. Goodman gave an update on the recruitment process for the Administrative Manager and reminded the Board that the next Meeting of the Board will be on September 20th, 2022 and will be held via Zoom.

10. ADJOURNMENT

The meeting adjourned at 11:52am

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the August 16, 2022, meeting.

Gary Goodman, Manager

Approved as written, and/or corrected, by the Board of Trustees at the September 20th, 2022, meeting.

Sean Denny, Board Secretary

Check History Report
Sorted By Check Number
Activity From: 8/1/2022 to 8/31/2022

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
055975	8/3/2022	0000504	US Bank	38,584.88	Auto
055976	8/3/2022	0000263	Johnson Manufacturing	4,601.71	Auto
055977	8/10/2022	0000006	Adapco Inc	110,973.76	Auto
055978	8/10/2022	0000014	Alhambra & Sierra Springs	53.40	Auto
055979	8/10/2022	0000018	ANDKO Building Maintenance Inc.	4,804.94	Auto
055980	8/10/2022	0000034	AutoZone Inc	25,754.19	Auto
055981	8/10/2022	0000038	Bartkiewicz Kronick & Shanahan	2,934.58	Auto
055982	8/10/2022	0001019	Cintas Corporation	2,766.95	Auto
055983	8/10/2022	0000117	City of Woodland	553.85	Auto
055984	8/10/2022	0000119	Clarke Mosquito Control Products Inc	77,519.66	Auto
055985	8/10/2022	0000126	Complete Welders Supply Inc	3,463.09	Auto
055986	8/10/2022	0000128	Consolidated Communications	2,046.89	Auto
055987	8/10/2022	0000145	Dan Fisher	398.68	Auto
055988	8/10/2022	0000162	Department of Toxic Substances Control	45.00	Auto
055989	8/10/2022	0000181	Elk Grove Dodge	44.69	Auto
055990	8/10/2022	0000182	Elk Grove Ford	148.70	Auto
055991	8/10/2022	0000186	Elk Grove Water District	348.78	Auto
055992	8/10/2022	0001054	Employment Developement Dept	795.00	Auto
055993	8/10/2022	0000198	Factory Motor Parts Co	145.39	Auto
055994	8/10/2022	0000204	Fisher Scientific International Inc	1,018.78	Auto
055995	8/10/2022	0000958	GreatAmerica Financial Services	372.82	Auto
055996	8/10/2022	0001233	Grow West	922.26	Auto
055997	8/10/2022	0000240	Hunt & Sons Inc	12,640.41	Auto
055998	8/10/2022	0000277	Kimball Midwest	378.96	Auto
055999	8/10/2022	0000497	MagneGas Welding Supply	89.08	Auto
056000	8/10/2022	0000306	Maita Chevrolet	221.66	Auto
056001	8/10/2022	0000324	Mitchell 1	2,685.76	Auto
056002	8/10/2022	0000356	O'Reilly Automotive Stores Inc	1,609.09	Auto
056003	8/10/2022	0002543	Pacific4	1,341.49	Auto
056004	8/10/2022	0000367	PG & E	231.12	Auto
056005	8/10/2022	0001497	Pure Water Partners	1,438.47	Auto
056006	8/10/2022	0000377	Radial Tire of Elk Grove	5,303.91	Auto
056007	8/10/2022	0000388	Republic Services #922	122.48	Auto
056008	8/10/2022	0002546	Resource Staffing Group	3,621.60	Auto
056009	8/10/2022	0000403	Sac Ice	1,662.83	Auto
056010	8/10/2022	0000427	Safety Kleen Corp	1,002.58	Auto
056011	8/10/2022	0000459	Star Milling Co	3,400.25	Auto
056012	8/10/2022	0001234	T-Mobile	1,453.88	Auto
056013	8/10/2022	0000475	Target Specialty Products	10,556.65	Auto
056014	8/10/2022	0000492	Top Rank Heating Air Conditioning Inc	1,402.37	Auto
056015	8/10/2022	0002407	Valley Fire & Security	69.50	Auto
056016	8/10/2022	0000518	Vector Disease Control International	52,083.33	Auto
056017	8/10/2022	0000526	VWR International Inc	848.69	Auto
056018	8/10/2022	0000529	Waste Management	235.48	Auto
056019	8/11/2022	0002428	Benefit Coordinators Corp.	9,232.80	Auto
056020	8/11/2022	0000267	Kaiser Foundation Health Plan	42,868.46	Auto
056021	8/11/2022	0000957	Sutter Health Plus	10,978.03	Auto
056022	8/11/2022	0000531	Western Health Advantage	6,411.49	Auto
056023	8/25/2022	0000006	Adapco Inc	163,251.66	Auto
056024	8/25/2022	0002425	Aleshire & Wynder, LLP	145.00	Auto
056025	8/25/2022	0002545	Auto Body Expressions Inc.	6,188.63	Auto
056025	8/25/2022	0002545	Auto Body Expressions Inc.	6,188.63	Reversal
056026	8/25/2022	0001011	Buckmaster Office Solutions	557.79	Auto
056027	8/25/2022	0000091	Capital Public Radio Inc	1,750.00	Auto

Check History Report
Sorted By Check Number
Activity From: 8/1/2022 to 8/31/2022

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056028	8/25/2022	0000119	Clarke Mosquito Control Products Inc	77,262.90	Auto
056029	8/25/2022	0000121	Clear Channel Outdoor	14,000.00	Auto
056030	8/25/2022	0000126	Complete Welders Supply Inc	3,134.86	Auto
056031	8/25/2022	0000199	Farm Air Flying Service	43,438.56	Auto
056032	8/25/2022	0000467	Home Depot Pro Institutional	1,694.91	Auto
056033	8/25/2022	0000240	Hunt & Sons Inc	15,664.60	Auto
056034	8/25/2022	0000277	Kimball Midwest	599.74	Auto
056035	8/25/2022	0000280	KXTV News 10	13,000.00	Auto
056036	8/25/2022	0000285	Lazer Broadcasting Corporation	750.00	Auto
056037	8/25/2022	0002565	Pacific Paper Tube, Inc.	4,616.44	Auto
056038	8/25/2022	0000367	PG & E	1,517.26	Auto
056039	8/25/2022	0002546	Resource Staffing Group	3,621.60	Auto
056040	8/25/2022	0001270	Rubicon Global, LLC	157.83	Auto
056041	8/25/2022	0000413	Sacramento County Utilities	960.54	Auto
056042	8/25/2022	0000418	Sacramento LaFCo	1,770.00	Auto
056043	8/25/2022	0000427	Safety Kleen Corp	586.66	Auto
056044	8/25/2022	0000436	Sarah Wheeler	34.38	Auto
056045	8/25/2022	0000442	Sheldon Feed & Supply	467.10	Auto
056046	8/25/2022	0000448	Sigma-Aldrich Inc	550.35	Auto
056047	8/25/2022	0000451	SMUD	5,881.18	Auto
056048	8/25/2022	0000454	Spark Creative Design	455.40	Auto
056049	8/25/2022	0000480	The Grid Agency	8,650.00	Auto
056050	8/25/2022	0000483	UC Davis Regents	1,260.00	Auto
056051	8/25/2022	0000526	VWR International Inc	570.80	Auto
056052	8/31/2022	0000043	Benefit Coordinators Corporation	3,400.46	Auto
056053	8/31/2022	0000084	CA State Disbursement Unit	350.00	Auto
056054	8/31/2022	0001035	Operating Engineers Local Union No. 3	1,206.00	Auto
W00288	8/16/2022	0000087	CalPERS Financial Reporting & Accounting Services	700.00	Wire Transfer
W00289	8/31/2022	0000511	US Treasury Internal Revenue Service	78,087.92	Wire Transfer
W00290	8/31/2022	0000176	EDD	21,124.94	Wire Transfer
W00291	8/31/2022	0000086	CalPERS 457 Plan	17,579.46	Wire Transfer
W00292	8/31/2022	0000339	Nationwide Retirement Solutions	3,425.00	Wire Transfer
W00293	8/31/2022	0000339	Nationwide Retirement Solutions	1,550.00	Wire Transfer
Bank U Total:				<u>943,961.71</u>	
Report Total:				<u><u>943,961.71</u></u>	

I hereby authorize the use of my signature plate on
the above-listed warrants, 055975-056054, and EFTs

Signature

Date

Marcia Mooney, President of the Board

Sacramento/Yolo M.V.C.D.

STATEMENT OF OPERATION

	<i>2Months Ended August31 2022</i>	<i>Annual Budget</i>	<i>Unused</i>
Revenue			
REVENUE	0.00	0.00	0.00
TOTAL Revenue	0.00	0.00	0.00
Expenditures			
SALARIES/BENEFITS/WC			
SALARIES/BENEFITS/WC	3,150,930.02	10,114,835.00	6,963,904.98
TOTAL Salaries	3,150,930.02	10,114,835.00	6,963,904.98
OPERATIONAL			
LIABILITY INSURANCE	240,624.00	240,624.00	0.00
AUDITING/FISCAL	0.00	18,000.00	18,000.00
COMMUNICATIONS	12,592.73	99,000.00	86,407.27
PUBLIC INFORMATION	114,937.89	595,500.00	480,562.11
STRUCTURE & GROUNDS	7,508.97	69,000.00	61,491.03
MEMBER/TRAINING	29,774.49	148,000.00	118,225.51
DISTRICT OFFICE EXPENSES	3,865.03	22,500.00	18,634.97
PROFESSIONAL SERVICES	44,185.84	297,000.00	252,814.16
MATERIALS & SUPPLIES	17,674.75	22,750.00	5,075.25
RENTS & LEASES - Admin	1,435.20	11,550.00	10,114.80
SAFETY PROGRAM	270.00	5,000.00	4,730.00
UTILITIES	13,063.26	120,000.00	106,936.74
AIRCRAFT SERVICES	135,108.78	1,074,000.00	938,891.22
ECOLOGICAL MANAGEMENT	28.62	14,700.00	14,671.38
MICROBIAL	563,493.35	1,200,000.00	636,506.65
INSECT GROWTH REGULATOR	244,885.44	1,133,000.00	888,114.56
INSECTICIDES	0.00	700,000.00	700,000.00
FISHERIES	4,924.00	36,000.00	31,076.00
GEOGRAPHIC INFO SYSTEMS	886.00	9,000.00	8,114.00
INFORMATION TECHNOLOGY	10,522.11	80,000.00	69,477.89
CONTROL OPERATIONS	3,843.52	66,000.00	62,156.48
VEHICLE PARTS/LABOR	25,252.38	121,000.00	95,747.62
LAB SERVICES	43,012.03	235,300.00	192,287.97
GAS & PETROLEUM	48,496.56	300,000.00	251,503.44
TOTAL Total Operational	1,566,384.95	6,617,924.00	5,051,539.05

Sacramento-Yolo Mosquito and Vector Control District

September 20, 2022 Board Meeting

4. Reports to the Board

a. Manager's Report

b. Reports from District Departments

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Marty Scholl)**
- **Biological Control (Tony Hedley)**
- **Larval and Adult Control (Steve Ramos)**
- **Public Outreach (Luz Maria Robles)**

a. Manager's Report

The District's West Nile season is picking up, however still below our average numbers of virus activity. We continue to follow the Districts Mosquito Borne Disease Management Plan with enhanced surveillance and control efforts in response to positive dead birds or positive mosquito collections.

The District continues to find invasive mosquitoes in some new areas this year with the Northgate area having some of the highest numbers we've seen. Staff is conducting wide area larviciding in neighborhoods to try and lower their abundance along with intensive door to door inspections. We expect the numbers to begin to fall with the cooler weather in November but we still have a few weeks left to manage the populations.

The District has received the CalPERS valuations that highlight our unfunded liability and we have scheduled a meeting with their staff to discuss.

The District audit is scheduled to be done in October.

b. Reports from District Departments

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Marty Scholl)**
- **Biological Control (Tony Hedley)**
- **Larval and Adult Control (Steve Ramos)**
- **Public Outreach (Luz Maria Robles)**

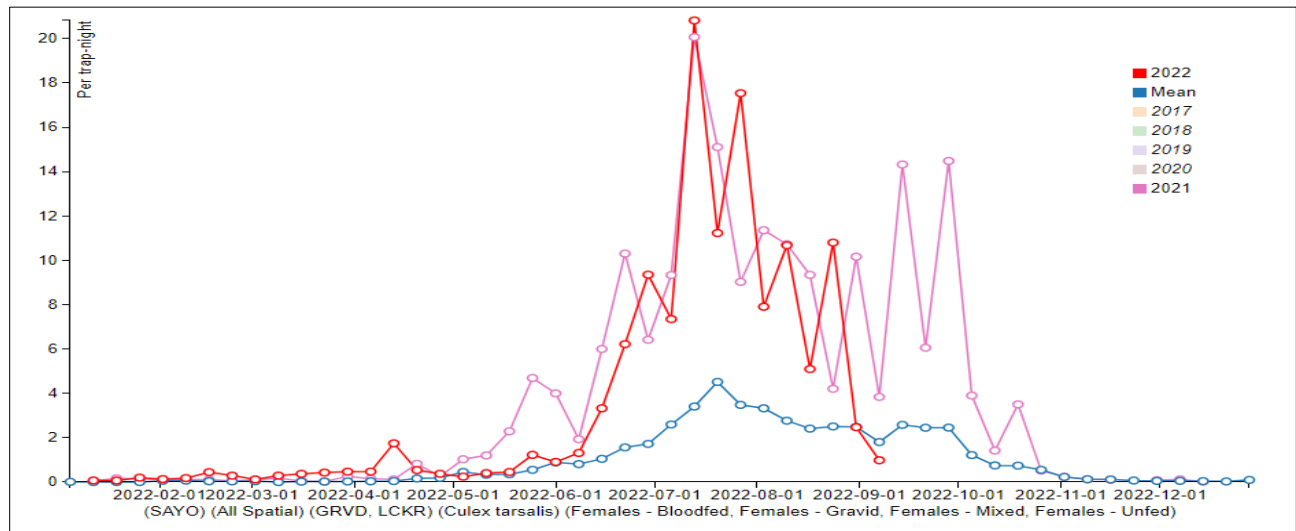
LABORATORY

Monthly Report September 2022 Board Meeting

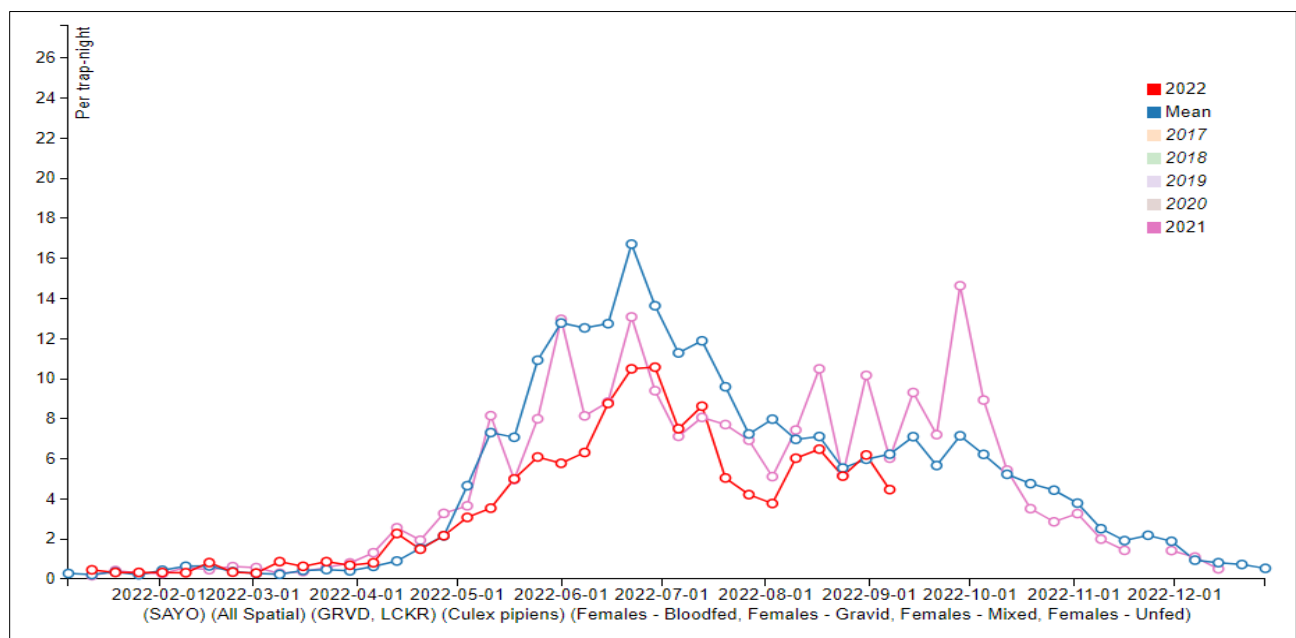
Insectary Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Culex pipiens</i>		South Sacramento (2021)	status under investigation
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

2022 Surveillance update through 9/8/2022:

Weekly mosquito collections - The graphs below show overall *Culex tarsalis* and *Culex pipiens* abundance from constant gravid traps and locker traps placed in permanent locations throughout Sacramento and Yolo Counties.

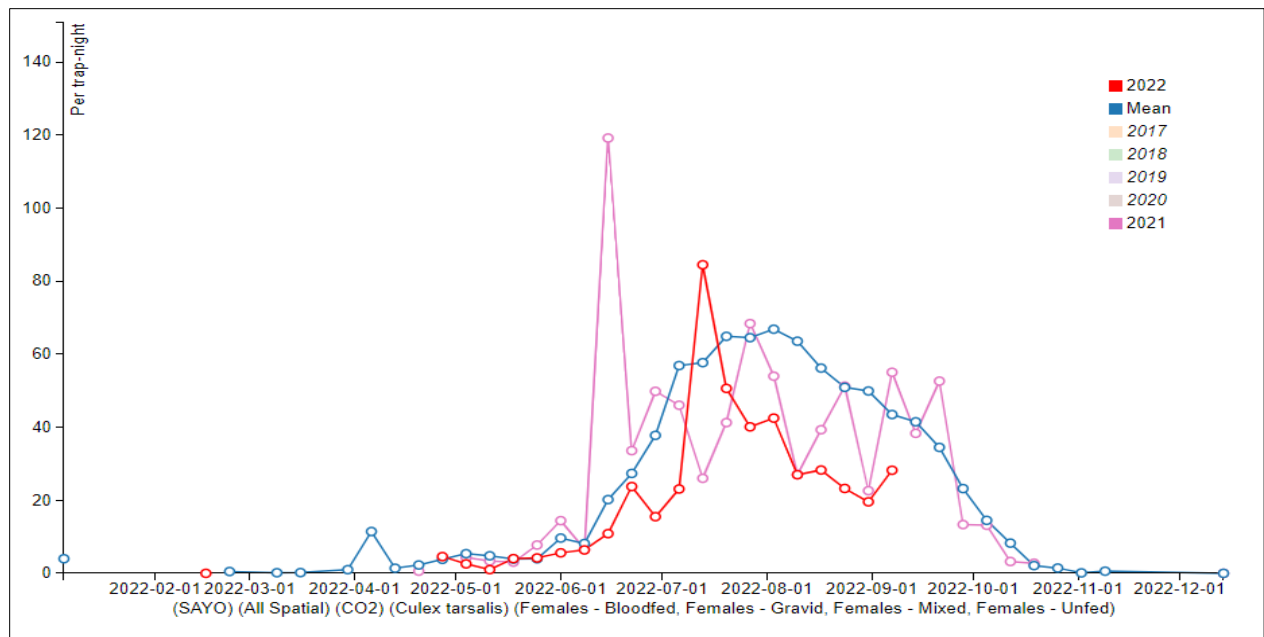


Weekly *Culex tarsalis* abundance traps in locker and gravid traps

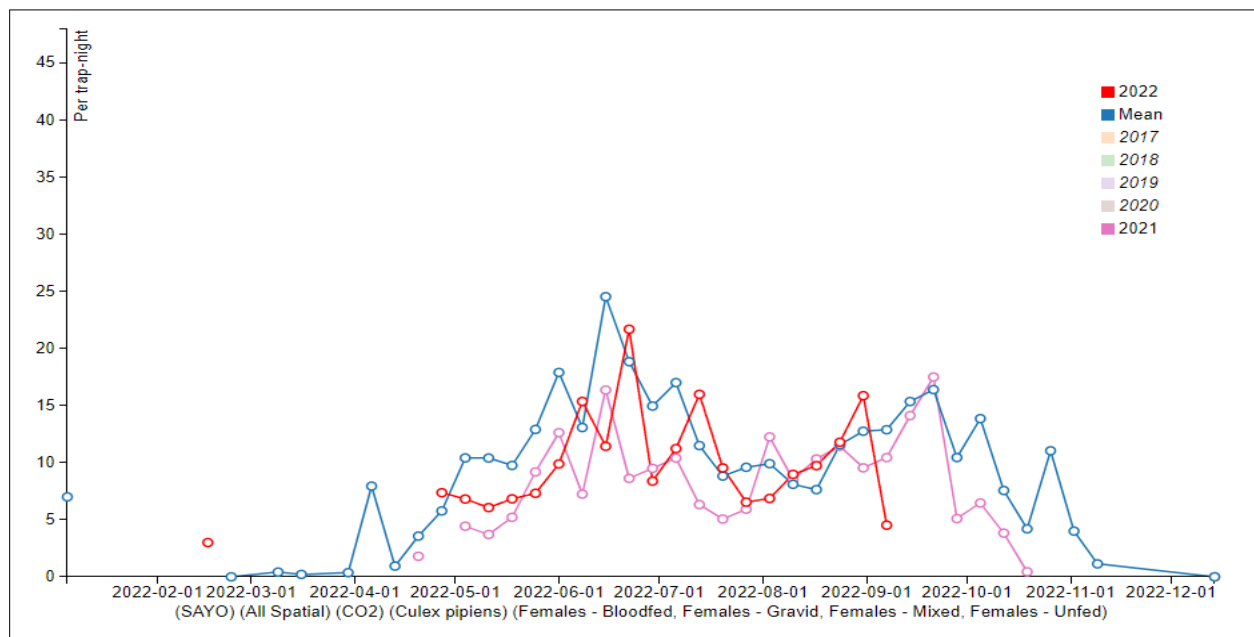


Weekly *Culex pipiens* abundance traps in locker and gravid traps

Encephalitis virus surveillance (EVS) – The following graphs show the number of *Culex tarsalis* and *Culex pipiens* that were collected in CO₂-baited EVS traps run in established and West Nile virus response locations for a single night, then tested for West Nile virus.



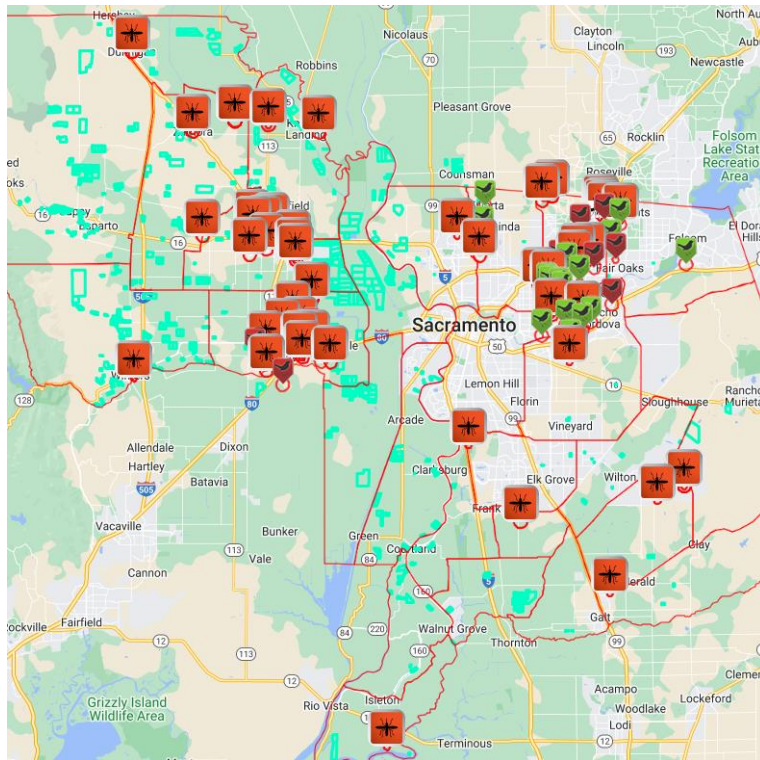
Culex tarsalis in CO₂ traps



Culex pipiens in CO₂ traps

West Nile virus (WNV) testing – 4,406 mosquito pools of *Culex tarsalis* and *Culex pipiens* were tested for WNV, 90 tested positive for WNV.

Dead birds – Overall, 296 dead birds have been collected and tested. In total 49 tested positive for WNV.



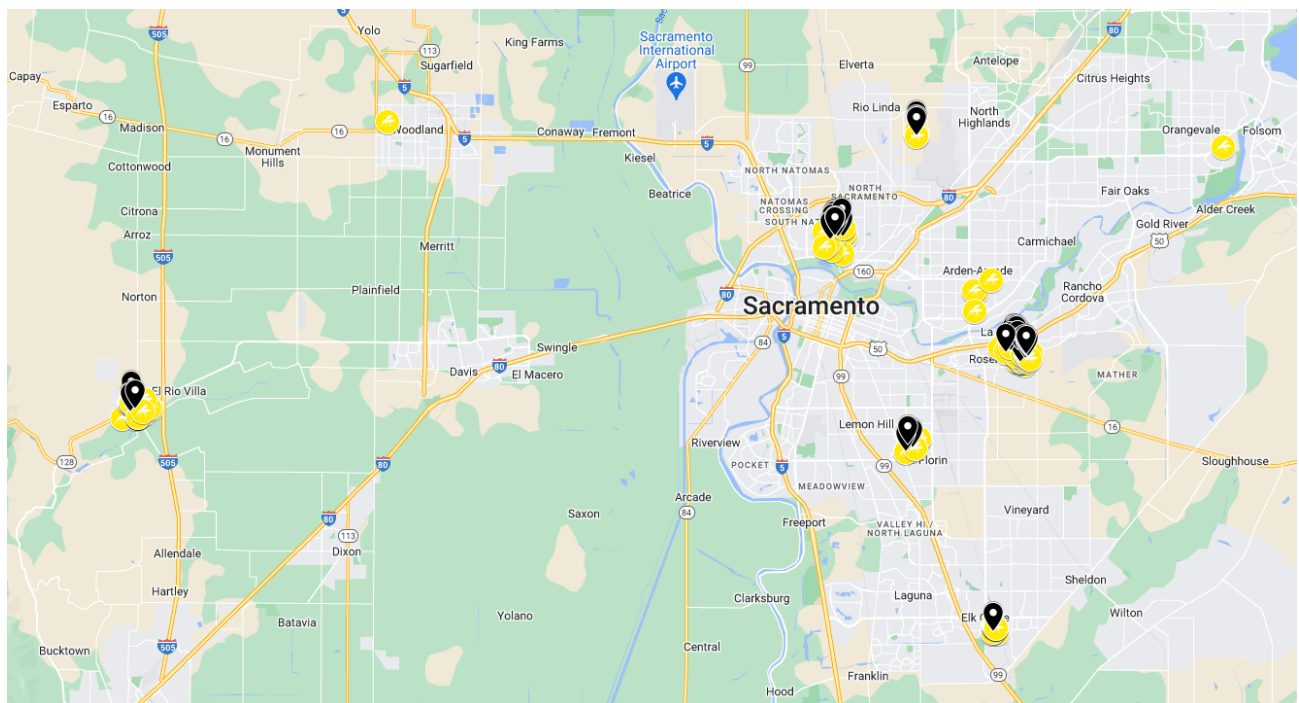
Cumulative 2022 Detections of WNV positive mosquito pools and dead birds.

Sentinel chickens – West Nile virus seroconversions were detected at two sentinel chicken flocks. At the Isleton flock one chicken tested positive for WNV antibodies on 8/11/2022 and four chickens tested positive on 8/25/2022. At the Knights Landing flock two chickens tested positive on 8/8/2022 and a third chicken tested positive on 8/22/2022. Positive chicken will be removed from the flock and replace with antibody negative chickens that were held in a mosquito-proof coop at the Bond Rd. facility. Thus far the remaining flocks in Dunnigan, Sacramento, and Rancho Murrieta have not tested positive.

Human disease response surveillance – No human cases were reported to the District for investigation during the past month. The California Department of Public Health is current reporting three human cases of WNV in Yolo County and no cases Sacramento County.

***Aedes aegypti* trapping effort in Sacramento and Yolo Counties - Biogents (BG) Sentinel** traps are the primary trap type used for *Aedes aegypti* surveillance. These traps are run continuously within the cities where *Aedes aegypti* populations have established including: Elk Grove, Winters, and Sacramento (Arden/Arcade, Rosemont, and Elder Creek communities). BG traps are also set for a single night to detect new infestations and further define current infestations. The following table shows the cumulative 2022 BG trapping effort and *Aedes aegypti* detections.

City	County	Total trap nights		# <i>Aedes aegypti</i> collected
		Single night	Constant operation	
Antelope	Sacramento	1		
Carmichael	Sacramento	18		
Citrus Heights	Sacramento	54		
Davis	Yolo	61		
Elk Grove	Sacramento	179	1137	147
Elverta	Sacramento	4		
Fair Oaks	Sacramento	91		
Folsom	Sacramento	68		
Galt	Sacramento	31		
Gold River	Sacramento	5		
North Highlands	Sacramento	6		
Orangevale	Sacramento	56		1
Rancho Cordova	Sacramento	11		
Rancho Murieta	Sacramento	50		
Rio Linda	Sacramento	21		40
Sacramento	Sacramento	782	1510	415
Sloughhouse	Sacramento	1		
West Sacramento	Yolo	30		
Wilton	Sacramento	1		
Winters	Yolo	253	457	157
Woodland	Yolo	63		1



Cumulative 2022 Detections of *Aedes aegypti* in Sacramento and Yolo Counties

2021 & 2022 YTD West Nile Virus Comparisons		
	2021	2022
Total No. Dead Bird Reports	3,538	3,066
No. Positive Counties	25	23
No. Human Cases	8	7
No. Positive Dead Birds / No. Tested	109 / 1,069	60 / 817
No. Positive Mosquito Pools / No. Tested	770 / 19,719	965 / 18,736
No. Seroconversions / No. Tested	10 / 3,258	17 / 2,815

YTD WNV Activity by Element and County, 2022					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Butte			2	9	5
Contra Costa			1	1	
Fresno			2	163	
Kern	2	2		49	
Kings	1			44	
Los Angeles			16	98	
Madera				16	
Merced			1	2	3
Nevada			1		
Orange				14	
Placer				20	
Riverside				46	
Sacramento			20	12	
San Bernardino			1	21	
San Joaquin				79	
Santa Clara			5	11	
Shasta				12	
Solano			4	6	
Stanislaus	3			9	
Sutter			2	18	2
Tulare			1	319	6
Yolo	1		4	10	
Yuba				6	1
Totals	7	2	60	965	17

ECOLOGICAL MANAGEMENT DEPARTMENT

Monthly Report for the September 2022 Board Meeting

Stormwater / Wetland Program

CA Department of Water Resources (DWR) Sherman and Twitchell Islands: Due to the ongoing drought, DWR has been unable to keep the Delta Island wetlands flooded this season. DWR staff are preparing for anticipated future drought years and drought regulations and have requested assistance from the District to design a maintenance plan that may allow for some smaller holdings of water into next year.

Sacramento County, Elder Creek: Sacramento County Department of Water Resources is helping the District with removing beaver dams within Elder Creek to keep water from re-filing low areas located on higher ground adjacent to the creek.



Pool Program

Staff submitted an Inspection and Abatement Warrant for an additional eight backyard pool properties that will be served if granted before the end of the mosquito season.

Agricultural Program

Staff continue work on agricultural drainage projects around the greater Sacramento area utilizing District equipment. Staff has purchased a new swing boom brush cutter to assist with mowing brush in agricultural and wetland ditches on new and existing projects.

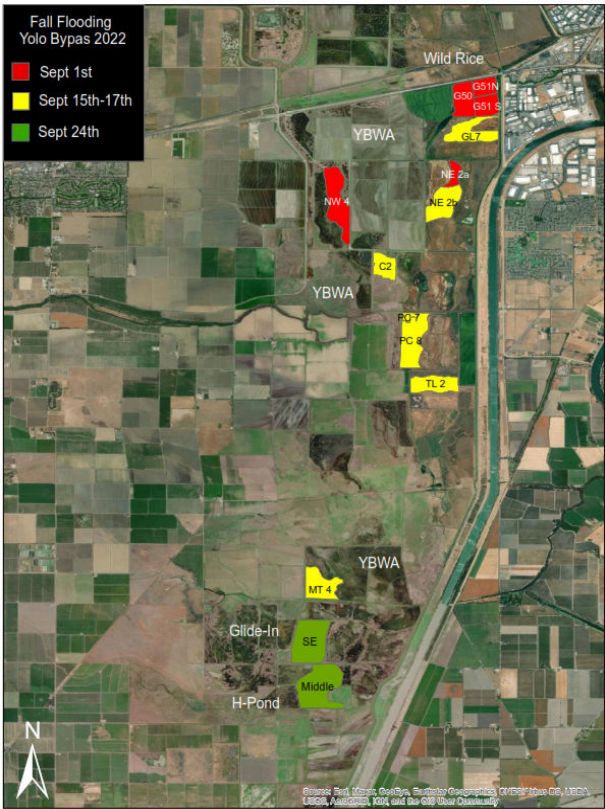
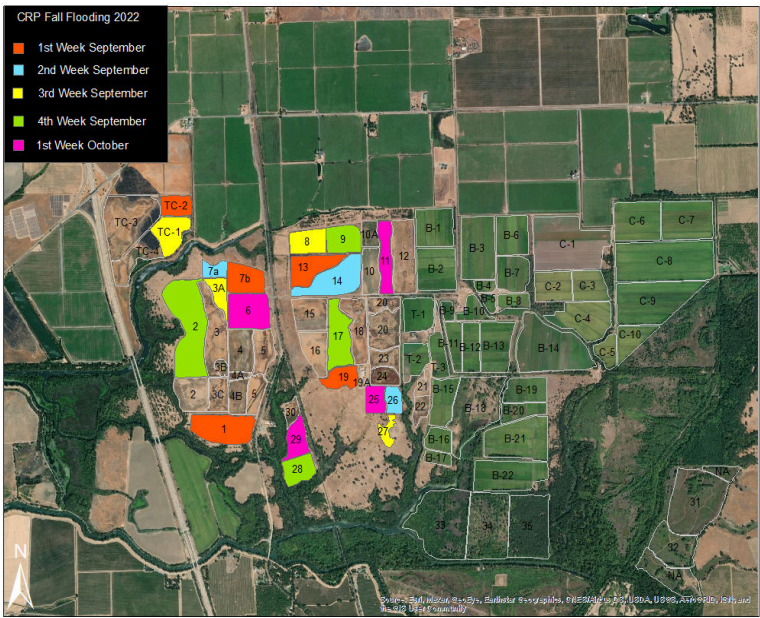
Cemetery Program

Staff have been inspecting and treating local cemeteries throughout the District using Watersorb crystals. The single use water soluble packets contain the correct amount of crystals to fill a cemetery vase completely, thus preventing mosquito breeding.



Fall Flooding

Staff has contacted all wetland owners and Managers to coordinate the start of fall habitat flooding. Due to drought conditions, a limited number of fields will be flooded prior to October 1st, with the majority of early flooding on Vic Fazio Wildlife Area, and the Cosumnes River Preserve.



BIOLOGICAL CONTROL

Monthly Report for September 2022 Board Meeting

In the month of August the Districts rice field stocking program came to a close with a total of 2306 pounds of mosquitofish used in 146 different rice fields in the most densely populated areas of our counties. Fisheries staff began to prepare for wetland flooding. This consists of contacting land management owners and or working closely with field personnel for sensitive habitats and flood up schedules. We are expecting to use approximately 400-800 more pounds of fish for these fall flood up fish plants. The main areas of focus will be the Vic Fazio Yolo Wildlife Area, Cosumnes River Preserve and the Stone Lakes National Wildlife Refuge. In addition to these wildlife wetlands Sacramento and Yolo Counties have many re-flooded rice fields to serve as waterfowl habitat. Additional activities include pond rehab. This consists of draining down designated ponds, harvesting every fish possible, moving rock and then removing loose debris. The department also continued to gather weekly data for all of our ongoing projects crayfish control and the use of solar aerators on dissolved oxygen levels. Daily activities such as medical treatments and tank cleaning were also performed to maintain the high quality of our fish population.

Log of Treatment Applied for August

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	350.26 lbs	1,418.98 Acres	233

Log of Treatment Applied for the year 2022 running total.

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	2,691.00 lbs	11,026.5 Acres	2,674
Guppies (<i>Poecilia reticulata</i>)	.20 lbs	.011 Acres	3

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
36,000.00	6,301.32	29,698.68	18%



The pictures provided are the before and after process of removing debris from the pond bottom. The sediment and debris are scraped away with the tractor then hauled away with the dumptruck.

CONTROL OPERATIONS

Monthly Report for September 2022 Board Meeting

Culex and West Nile Virus (WNV) Control

The month of August had an increase in mosquito samples that tested positive for WNV. Field technicians have been responding to positive samples by re-inspecting sources in a radius of up to 1 mile around positive mosquito samples. Along with radius work, the Catch Basin crew has been re-inspecting basins for breeding and efficacy of product. Technicians have also been performing ground ULV treatments in the immediate area of positive mosquito samples utilizing truck, ATV and backpack ULV applications.

Aerial Applications

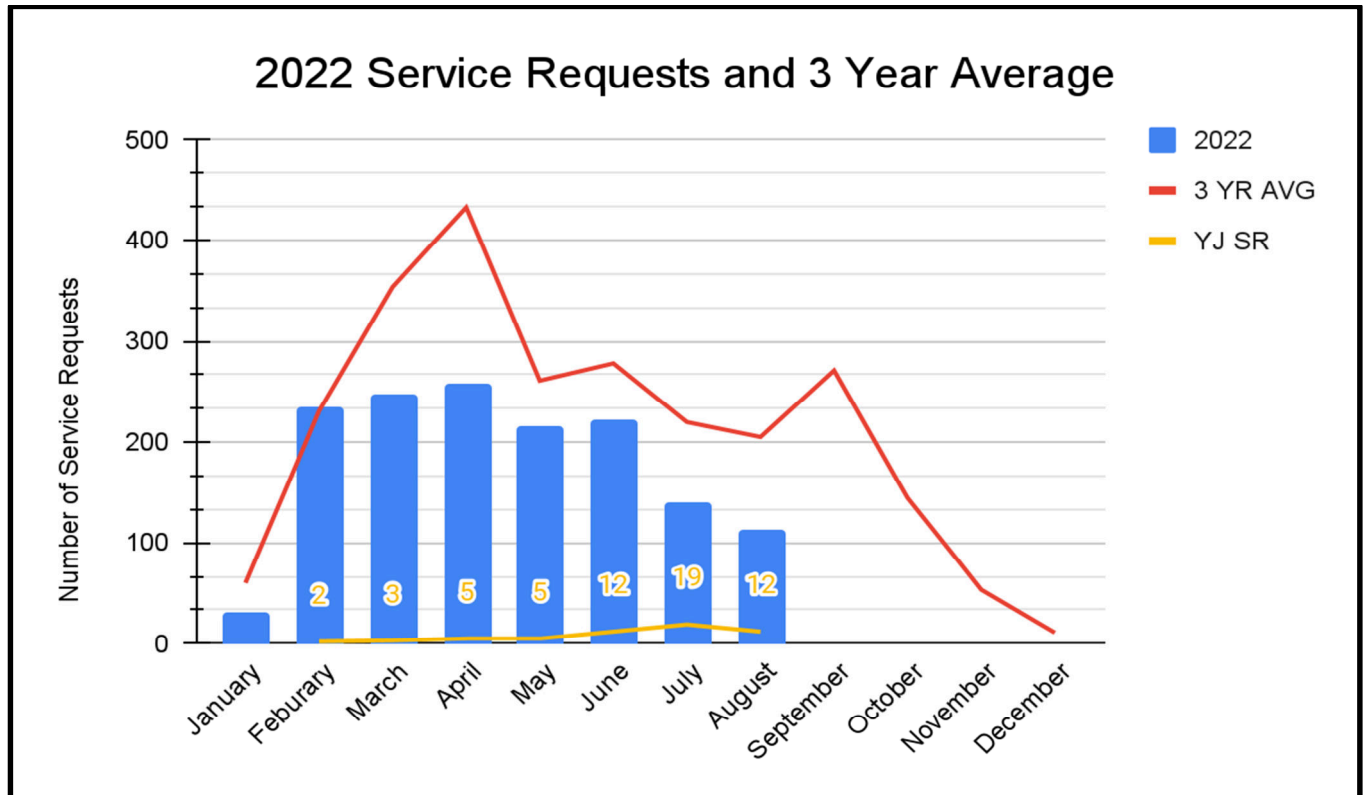
Similar to years past, August was the busiest month for WNV and abundance response with aerial adulticide treatments over rice growing areas. August accounts for over 50% of acres treated aerially out of the season. As we move into September, rice fields are now beginning to drain and preparing for harvest, which can create a surge in adult mosquitoes in the area as harborage is removed. Rice field aerial larvicide treatments will still be performed on fields holding water until they begin to drain, while partially water filled fields will be treated by drone or by the field technicians.

Invasive Aedes Control

New detections of *Aedes aegypti* were discovered in August in the Rio Linda area and in the North Gate area of South Natomas. WALS treatments combined with ground ULV adulticide treatments are ongoing in the South Sacramento area of Elder Creek and in the North Gate detection area. The Rio Linda response has been focused on ground crew inspections and treatments. Trapping will continue through the season around these areas to outline a perimeter of the affected areas.

District Trials

The District continues trial work evaluating the efficacy of products in yard drain and basin environments both here on the District property and out in the field. The ongoing trials are measuring the effectiveness and longevity of both Spinosad and BTI products designed for these types of breeding habitats. Aerial adulticide and larvicide trials have concluded for the season and the data collected will be evaluated for possible state and national presentations that are upcoming.



Larvicide Applications thru August 31 st				
	<u>2022</u>		<u>2021</u>	
<u>Locations/Roles</u>	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	5,874	9,941	5,670	10,048
Sac County Aerial	23 Orders	18,995	33 Orders	18,077
Sac County Drone Treatments	38 orders	1,459	19 orders	1,366
Yolo County	1,067	3,227	1,231	5,932
Yolo County Aerial	35 Orders	68124	55 Orders	112,184
Yolo County Drone Treatments	9 Orders	704	23 Orders	1,769
CB Treated	74,177	--	148,608	--
CB Inspected -not treated	111,253	--	139,475	--

Aerial Adulticide Summary thru August 31 st				
	2022		2021	
County	# Applications	Acres	# Applications	Acres
Sacramento Ag	14	97,985	14	98,100
Sacramento Urban	0	0	0	0
Yolo Ag	38	219,596	36	303,291
Yolo Urban	0	0	0	0

	2022		2021	
County	# Applications	Acres	# Applications	Acres
Sacramento Ag	14	97,985	14	98,100
Sacramento Urban	0	0	0	0
Yolo Ag	38	219,596	36	303,291
Yolo Urban	0	0	0	0

compared to: 2021

Contract Acres (our portion) =	530,000	530,000
Acres used =	317,581	401,391
Acres remaining =	(212,419)	(128,609)
% Acres used =	60%	75%
% Acres remaining =	40%	25%

Placer MVCD has used 101,632 acres of their 100,000 acre commitment.

Turlock MAD has used 46,067 acres of their 180,000 acre commitment.

PUBLIC INFORMATION AND EDUCATION

Monthly Report for the September 2022 Board Meeting

Invasive Mosquitoes

Upon the detection of invasive mosquitoes in a new area along Northgate Blvd and the south Natomas area in the city of Sacramento, a press release was sent out. That same day we had a segment on Studio 40 on the local KTXL Fox 40 television station where we discussed invasive mosquitoes as the newest challenge since these mosquitoes have been rapidly spreading throughout the region. Immediately after the new detections, District staff began their door to door inspections looking for mosquito breeding sources and talking to residents about mitigation measures in their backyards.

Currently a postcard is being developed to be mailed to residents in affected neighborhoods in the new detection sites.

Advertising Campaign

The advertising campaign continues to be in full swing and our Fight the Bite messages are airing consistently across radio and television stations. Currently we are airing content specific to invasive mosquitoes due to new and ongoing detections. The media schedule is in flights so that our messages are being rotated across stations and this ensures a constant presence at all times throughout the media market. The advertising campaign will continue thru the second week in October.

Events:

The month of September is a very busy month with community outreach events. Immediately after the new invasive *Aedes* detection, we attended an event called Chalk it Up Natomas where we were able to speak to residents directly. Luckily many of the people stopping by the booth had heard about the invasive mosquitoes and our response control treatment via social media. At this event we were also able to connect with local neighborhood associations, the rotary club and local media outlet N Magazine. Due to these connections we will also be attending another upcoming event in Natomas called POPS in the Park which is an outdoor evening concert.

Another large event this month is Farm to Fork. This is one of the biggest and most successful events that we participate in throughout the season. This very popular event takes place in downtown Sacramento and draws thousands of attendee's. It is a great event because we're able to reach out to a wide and very ethnically diverse audience that is interested in our program. Other events where we will have a presence include Independence Day at the capitol which attracts more than 5,000. This popular event takes place in the evening, so the repellent packets are very much appreciated and useful. In September we will also be attending the Carnitas Festival in Winters where we'll be able to talk to residents about the invasive mosquito infestation throughout the city and Sunday Funday in Citrus Heights.

Social media

After the initial detection of invasive mosquitoes along Northgate Blvd and south Natomas, field staff began door to door outreach in affected neighborhoods. Technicians utilized the door

hanger along with a public relations bag that was left at all home that also included an informational brochure, a magnetic business card, repellent wipes and a pen.

Social media messages specific to invasive *Aedes* mosquitoes are being posted on all platforms along with Facebook posts that are boosted and targeted specifically to residents located within the detection areas. In addition, we are using Nextdoor to post specific messages regarding the invasive mosquito findings and including photos of backyard sources, District staff knocking on doors and interacting with residents.

Repellent Distribution

We have recently provided repellent wipes to Harm Reduction Services, an agency that provides services to homeless residents and a Galt Boy Scouts troop. Upon the detection of invasive mosquitoes in the city of Sacramento we also reached out to the council district and offered repellent for upcoming outdoor events such as movies or concerts in the park.

Government affairs:

As part of our ongoing detection of invasive mosquitoes as well as WNV activity, we have been keeping local elected officials informed by sending them regular email updates with our findings and response activities.

Presentations:

A presentation is currently scheduled to the Winters Kiwanis Club on September 26th and we will be reaching out to the Natomas Rotary club to schedule speaking opportunities in the near future.

Sacramento-Yolo Mosquito and Vector Control District

September 20, 2022 Board Meeting

5. **Closed Session Conference with District Labor Negotiations (Ad Hoc Committee: (Trustees Burnett, Denny, and Hawkins))**
Unrepresented Employee (Gov. Code § 54957.6): Manager

Sacramento-Yolo Mosquito and Vector Control District

September 20, 2022 Board Meeting

6. **Board Review and Consideration for Approval of Amendment to General Manager Employment Agreement**