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BOARD OF TRUSTEES

Special Meeting

****MONDAY, JANUARY 25, 2021****

7:00 PM

To be held via teleconference – see below

IMPORTANT NOTICE REGARDING COVID-19 AND TELECONFERENCE MEETINGS:

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

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

HOW TO OBSERVE THE MEETING

Telephone: Meeting ID: **954 2334 1529**

Listen to the meeting live by calling **(669) 900-9128** and entering the **PASSWORD: 223281**

Computer or mobile: Watch or listen to the meeting from a computer with internet access by navigating to <https://zoom.us/j/95423341529?pwd=aTdXajVCc1REaFZyNHV6d1ZMSFRndz09>

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

HOW TO SUBMIT PUBLIC COMMENTS

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

Protecting Public Health Since 1927

BOARD OF TRUSTEES

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

ACCESSIBILITY INFORMATION

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

AGENDA

CALL TO ORDER:

- Roll Call
- Pledge of Allegiance

1. APPROVAL OF THE AGENDA AS POSTED (OR AMENDED)

2. PUBLIC INPUT ON NON AGENDA ITEMS

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

3. ACTION ITEMS

- A. Approval of District Trustee Committee Members for 2020 **
- B. Approval of 2021 Board Meeting Schedule **

4. REPORTS

- A. Board
- B. General Manager
- C. Staff
- D. Legal Counsel

5. ADJOURNMENT

I hereby certify that the District Board of Trustee Agenda was posted 5 days, before the noted meeting.



Natalie Martini, Administrative Analyst II

1/20/2021
Date

CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT

JANUARY 25, 2021 BOARD SPECIAL MEETING

1-2. No comment

3. ACTION ITEMS

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

Recommendation - Approve the 2021 Committees (*Page 4*)

B. Approval of 2021 Board Meeting Schedule (*Page 5*)

Recommendation – Pleasure of the Board, dates may be amended by motion.

4. REPORTS

- A. Board
- B. General Manager
- C. Staff (*Pages 6-19*)
- D. Legal Counsel

5. ADJOURNMENT

The Contra Costa Mosquito & Vector Control District will provide reasonable accommodations for persons with disabilities planning to attend CCMVCD meetings who contact Natalie Martini at least 24 hours before the meeting, at (925) 771-6100.

Agenda materials are available to the public for inspection at no charge during business hours at our administrative office located at 155 Mason Circle, Concord, California.

**CONTRA COSTA MOSQUITO AND VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES**

2021 TRUSTEE COMMITTEES

NAME	ADVANCE	AUDIT	BUDGET	EXECUTIVE	PERSONNEL
AINSLEY	X		X		X
CARLSTON	X			X	X
CLAYTON					X
COWEN			X		X
DIAMOND				X	X*
FITZSIMMONS		X*			
HOGAN	X				
HOWELL	X			X*	X
KRIEG	X				
MARKER			X		
MINTER			X		
MISHEK		X			
MURRAY	X*		X		
NGUYEN		X			
ODUNLAMI		X			X
PAY	X		X*	X	
PELLEGRINI	X	X		X	X
PINCKNEY					
YOUNG			X		

* CHAIRPERSON

BOARD APPROVAL: _____

**CONTRA COSTA MOSQUITO & VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES
CALENDAR FOR 2021**

MONTH	DAY	DATE	TIME	MEETING
JANUARY	Monday	11	7:00 PM	BOARD OF TRUSTEES
	Monday	11	TBD	CCMAD FINANCING CORP (following the regular Board meeting at 7:00 PM)
	Monday	25	7:00 PM	BOARD OF TRUSTEES (Special Meeting)
FEBRUARY	Monday	8	6:00 PM	ADVANCE PLANNING COMMITTEE
	Monday	22	6:00 PM	PERSONNEL COMMITTEE
MARCH	Monday	8	7:00 PM	BOARD OF TRUSTEES
	Monday	22	6:00 PM	ADVANCE PLANNING COMMITTEE
APRIL	Monday	12	6:00 PM	BUDGET COMMITTEE
	Monday	19	6:00 PM	PERSONNEL COMMITTEE
MAY	Monday	10	7:00 PM	BOARD OF TRUSTEES
	Monday	24	6:00 PM	PERSONNEL COMMITTEE
JUNE	Monday	7	6:00 PM	ADVANCE PLANNING COMMITTEE
	Monday	14	6:00 PM	BUDGET COMMITTEE
	Monday	21	6:00 PM	EXECUTIVE COMMITTEE
JULY	Monday	12	6:00 PM	BUDGET COMMITTEE
	Monday	12	7:00 PM	BOARD OF TRUSTEES
AUGUST	Monday	16	6:00 PM	AUDIT COMMITTEE
SEPTEMBER	Monday	13	7:00 PM	BOARD OF TRUSTEES
OCTOBER	Monday	25	6:00 PM	AUDIT COMMITTEE
NOVEMBER	Monday	8	7:00 PM	BOARD OF TRUSTEES
DECEMBER				

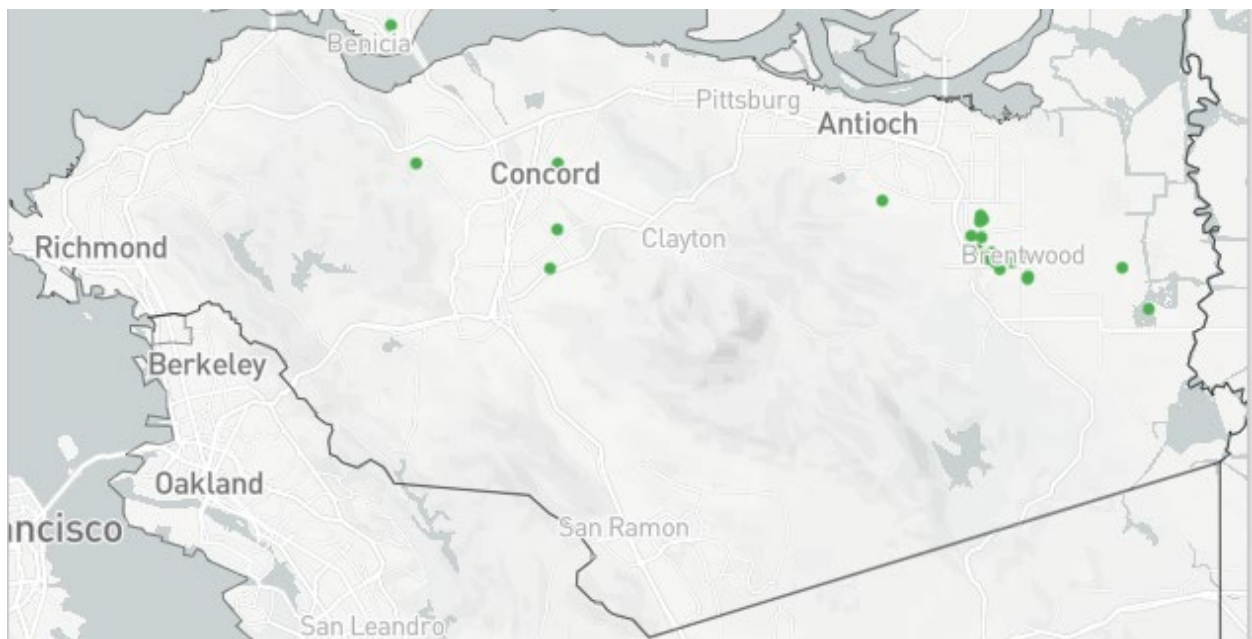
December 2020 Mosquito and Arbovirus Surveillance Report

Updated January 11th by Steve Schutz, Ph.D., Scientific Programs Manager

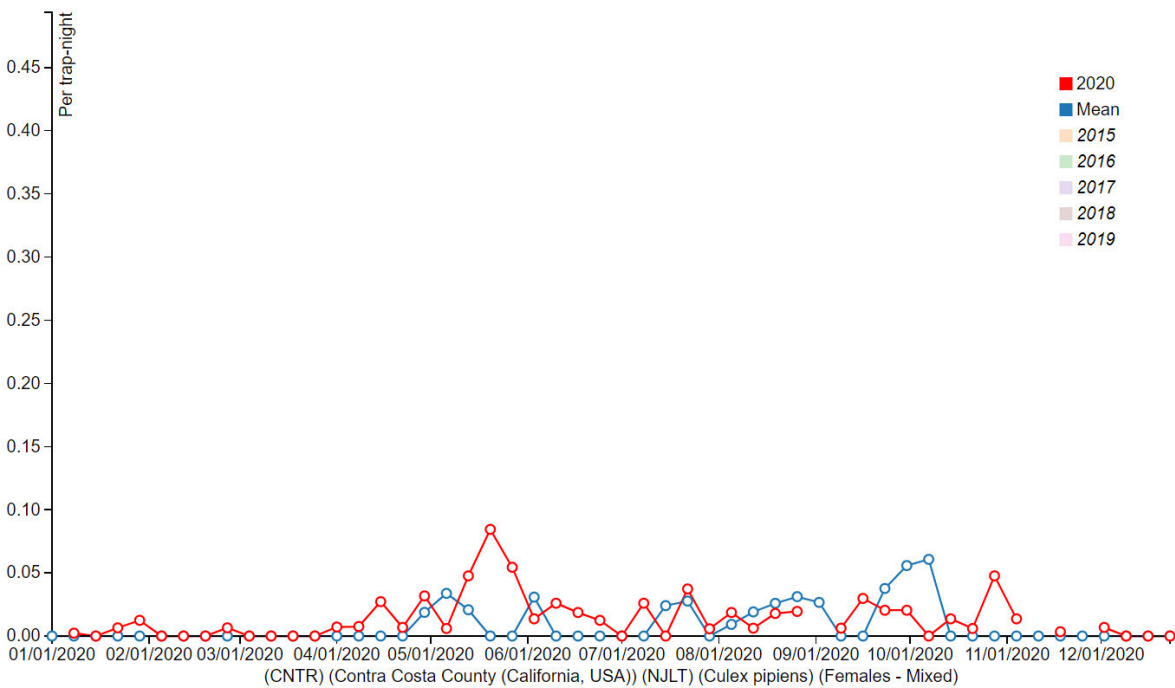
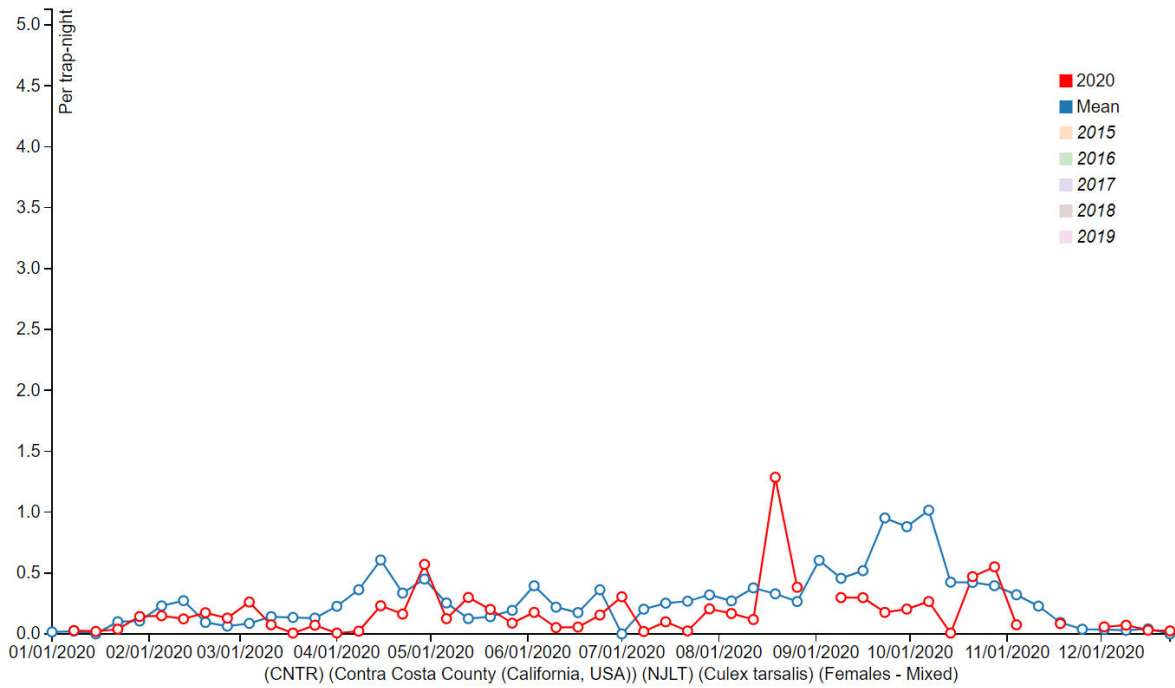
Human cases: Four confirmed human cases of West Nile virus (WNV) were reported in 2020, two in East County and two in Central County. According to the Contra Costa County Department of Public Health, the confirmed cases in East County were probably locally acquired; one of the cases in Central County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

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

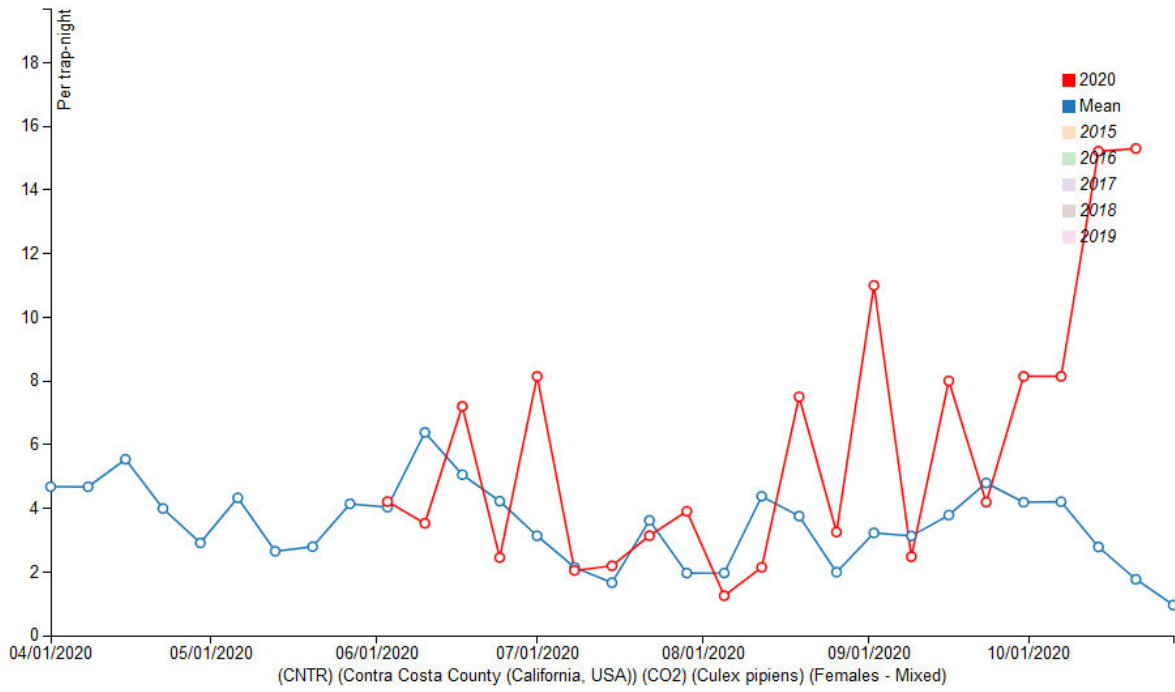
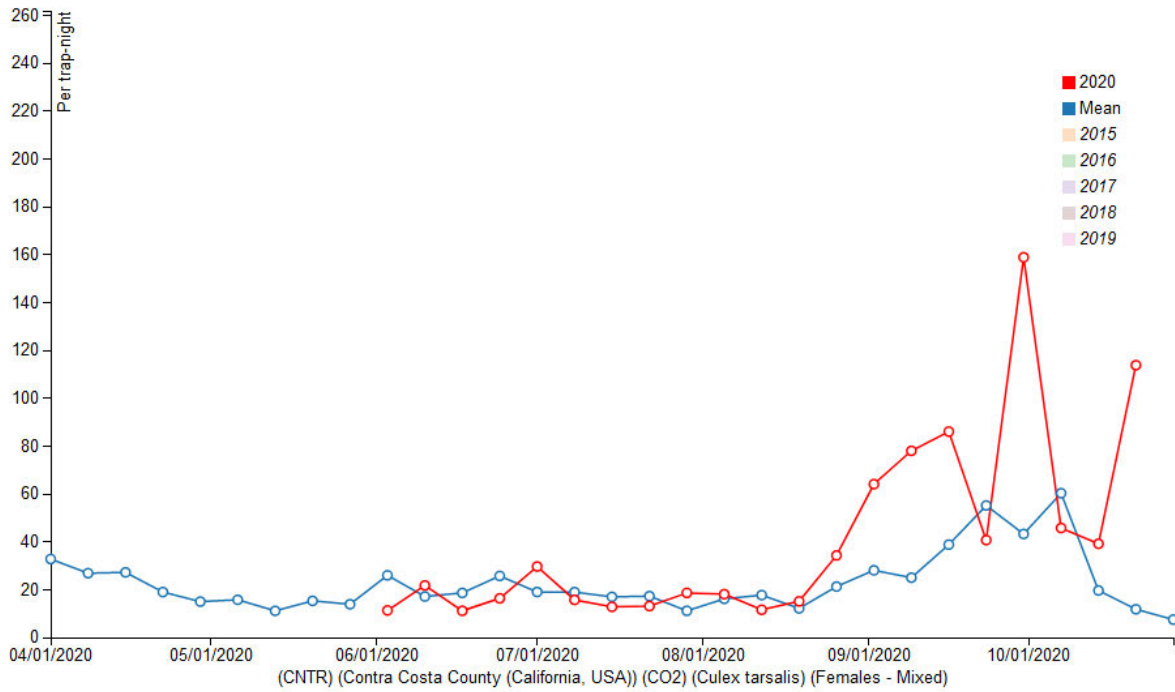
Dead birds: In 2020, 501 dead birds from Contra Costa County were reported to the West Nile Hotline and 60 were submitted for testing, **twenty-two confirmed positive for WNV (37%)**: one in Martinez, two in Concord, one in Walnut Creek, one in Antioch, sixteen in Brentwood, one in Discovery Bay (see map below). The telephone hotline and bird testing program closed for the season on October 16th, but the public is encouraged to continue to report dead birds online at westnile.ca.gov.



Light trap counts: Twenty-three traps are being operated daily year-round, with collections made weekly by field technicians (one trap, at the Pittsburg Golf course was temporarily discontinued due to power no longer being available at the site but was recently relocated nearby). District-wide, *Culex tarsalis* counts were mostly at or below the 5-year average until late in the season. *Culex pipiens* counts fluctuated during 2020, but were mostly also near or below the 5-year average except early and late in the season. Counts are expressed as numbers of females per trap per night, averaged by week.

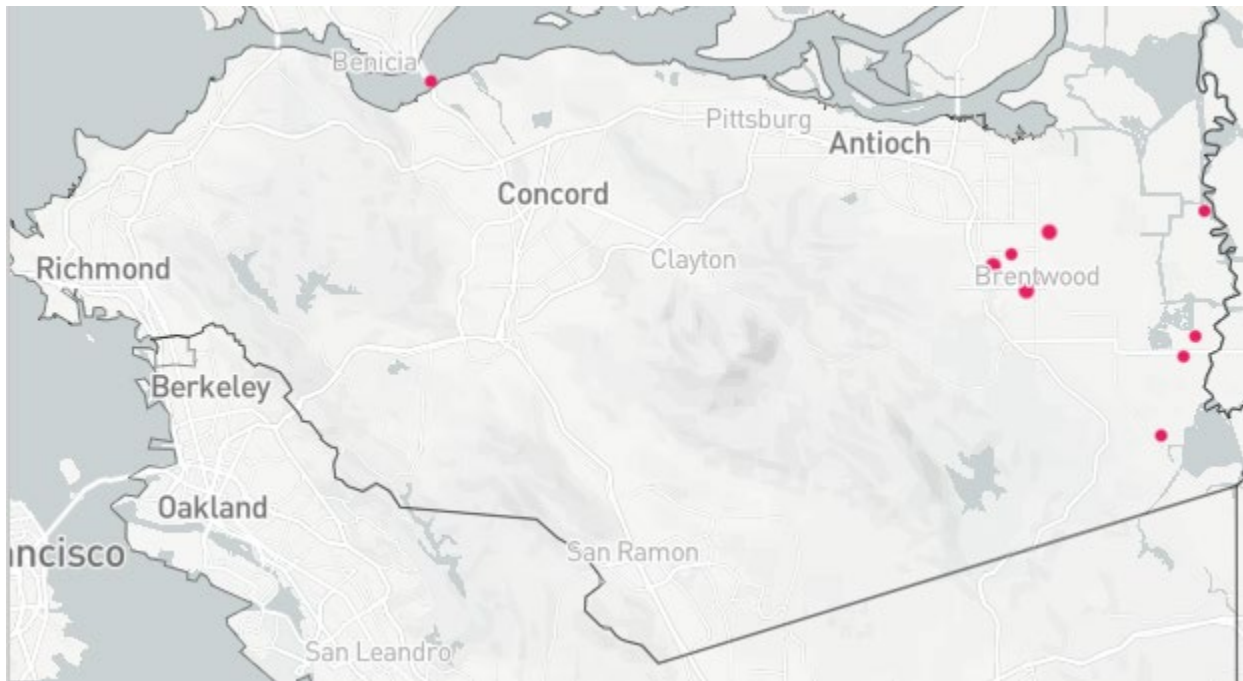


Carbon dioxide traps: 23 traps were operated weekly at fixed locations from June 1st through October 31st. Counts of *Culex tarsalis* were mostly near or below the 5-year average early to mid-season, but peaked well above average in September and October. Counts of *Culex pipiens* were above average for much of the season. Weekly trapping is scheduled to resume in late Spring of 2021.



'Random' traps: In addition to our 23 fixed trap locations, field employees occasionally set 'random' traps to monitor specific problem areas (due to Covid-19 restrictions/lack of seasonal assistants we did not have sufficient staffing for the Lab to regularly set 'random' traps this season). These traps were used to investigate WNV 'hotspots' in Brentwood and elsewhere and several collected infected mosquitoes.

Mosquito testing: Though October 30th, 471 pooled mosquito samples from our CO2 traps were submitted for testing; **thirteen** tested positive for WNV (1 Byron, 1 Palm Tract, 2 Discovery Bay, 8 Brentwood, 1 Martinez); 7 *Culex pipiens*, 6 *Culex tarsalis* (see map below; note some locations had more than 1 positive sample). West Nile virus infection rates in *Culex pipiens* peaked well above the 'epidemic risk' threshold of 5 per thousand in East county, with a clear focus of elevated virus risk in Brentwood, although the risk level in East County began to decline following adult mosquito control operations at several parks and open space locations in Brentwood on Sept. 4th.



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

Sentinel chickens: Blood samples from chickens at our four flock sites, in Martinez, Walnut Creek, Oakley and Knightsen were taken and tested biweekly for West Nile, Western and St. Louis encephalitis viruses from June through October; **seven** reported positive so far this season (two at Holland Tract, three at Ironhouse Sanitary District in Oakley, two near the Benicia Bridge in Martinez). Sentinel flocks were discontinued for the season at the end of October and the remaining chickens have been adopted.

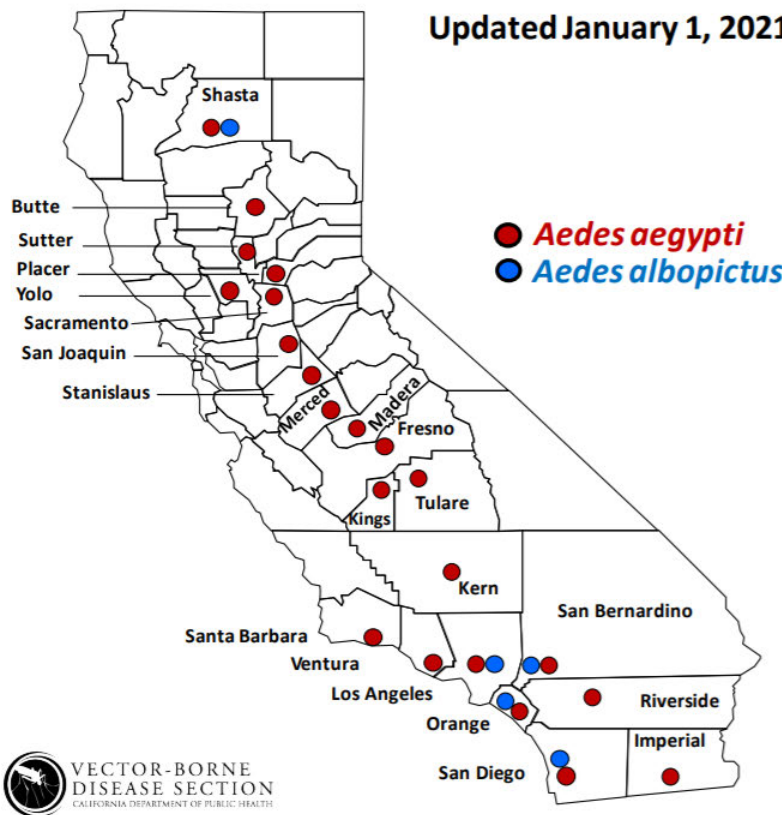
Other projects: Lab staff submitted ticks for CDPH, University of California and University of Nevada-Reno projects on *Rickettsia* and other tick-borne pathogens and population genetics of the western black-legged tick, and also submitted dead crows to the California Department of Fish and Wildlife for a study on causes of crow mortality. We will continue to collect ticks for these projects during winter of 2021 and will also be providing adult or larval mosquitoes of various species to North Carolina State University for a genetic study on species distribution in North America.

Weather conditions: We had a cool spring and early summer, which may have delayed the onset of virus transmission. A late summer heat wave seems to have initiated the virus transmission cycle, the season appeared to peak in September and we have now reached the end of the season as overnight lows have dropped below the 55 degree virus incubation threshold.

Invasive *Aedes*: We will continue to set 'BG Sentinel' traps at suspect locations as needed, but have not yet seen any evidence of invasive *Aedes* species in Contra Costa County. Statewide, *Aedes aegypti* continue to spread, with recent reports from Santa Barbara and new areas in Sacramento including Isleton.

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

Updated January 1, 2021



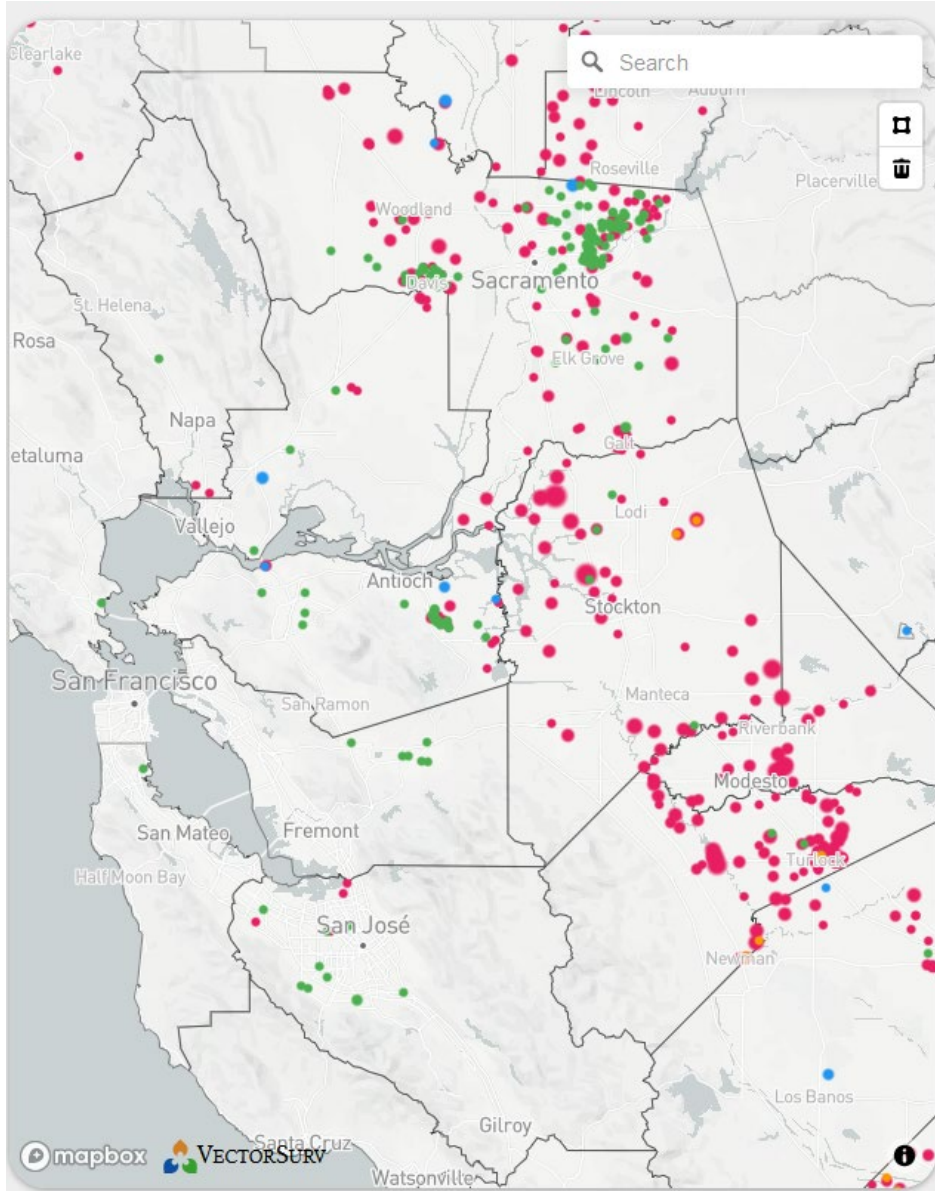
Counties with *Aedes aegypti* only:
Butte, Fresno, Imperial, Kern, Kings, Madera, Merced, Placer, Riverside, Sacramento, San Joaquin, Santa Barbara, Stanislaus, Sutter, Tulare, Ventura, Yolo

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

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



Regional: In 2020, West Nile virus activity (positive dead birds and/or mosquito samples) was reported in Napa, Solano, Alameda, Marin, San Mateo, and Santa Clara Counties, as well as Lake, Sacramento, Yolo and San Joaquin. Mosquito samples positive for Saint Louis Encephalitis virus were reported in the Central Valley (including San Joaquin).



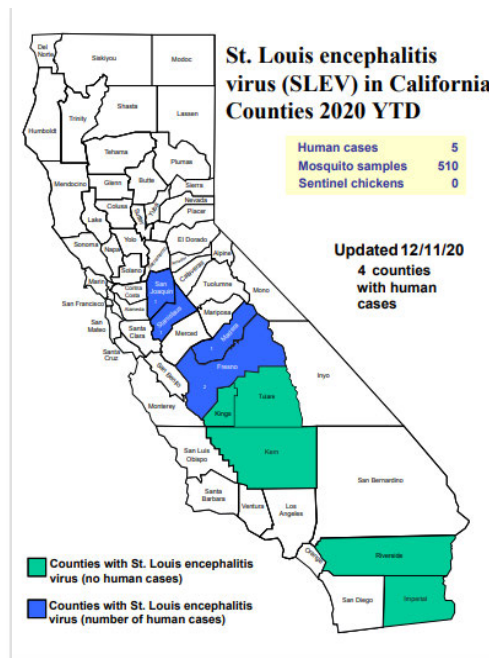
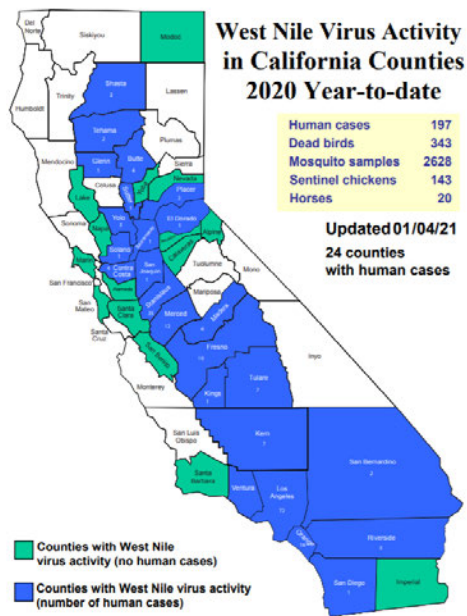

WNV
Mosquitoes


WNV
Sentinels


WNV Dead
Birds


SLEV
Mosquitoes

Statewide: In 2020, 197 confirmed human WNV disease cases and 5 SLE human cases had been reported statewide this season (including 4 confirmed WNV cases in Contra Costa County).



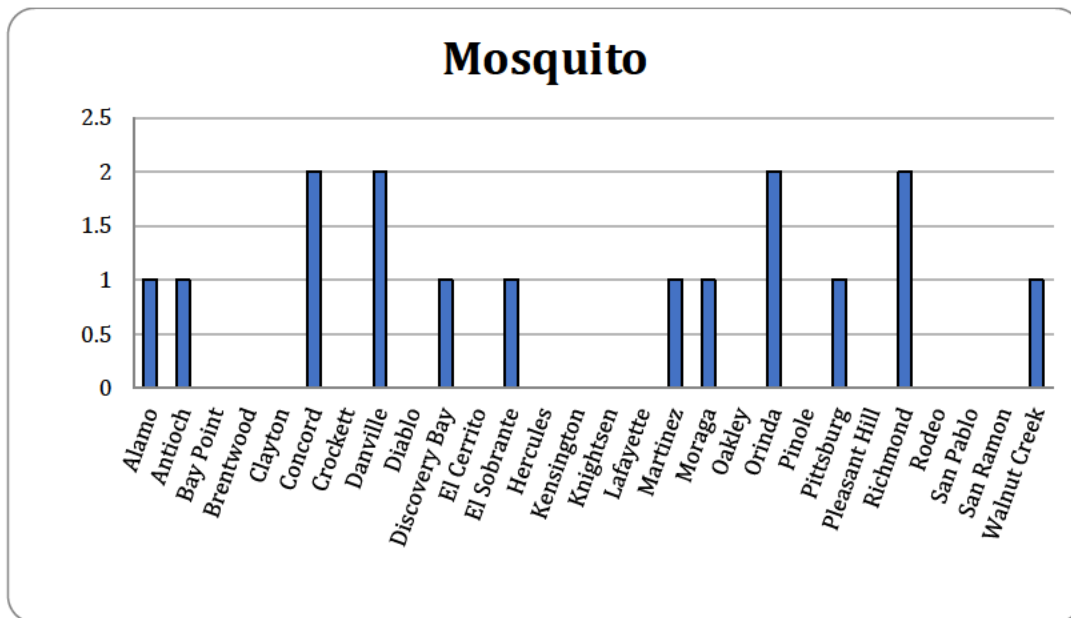
West Nile virus activity remained well below the 5-year average this season. As of January 30th, **343** dead birds and **2,628** mosquito samples had tested positive for WNV. Saint Louis encephalitis positive mosquito samples were reported in nine Central Valley and Southern California counties with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

December 2020 Operations Report

Prepared January 19, 2021 by David Wexler, Sheila Currier and Terry Davis, Program Supervisors

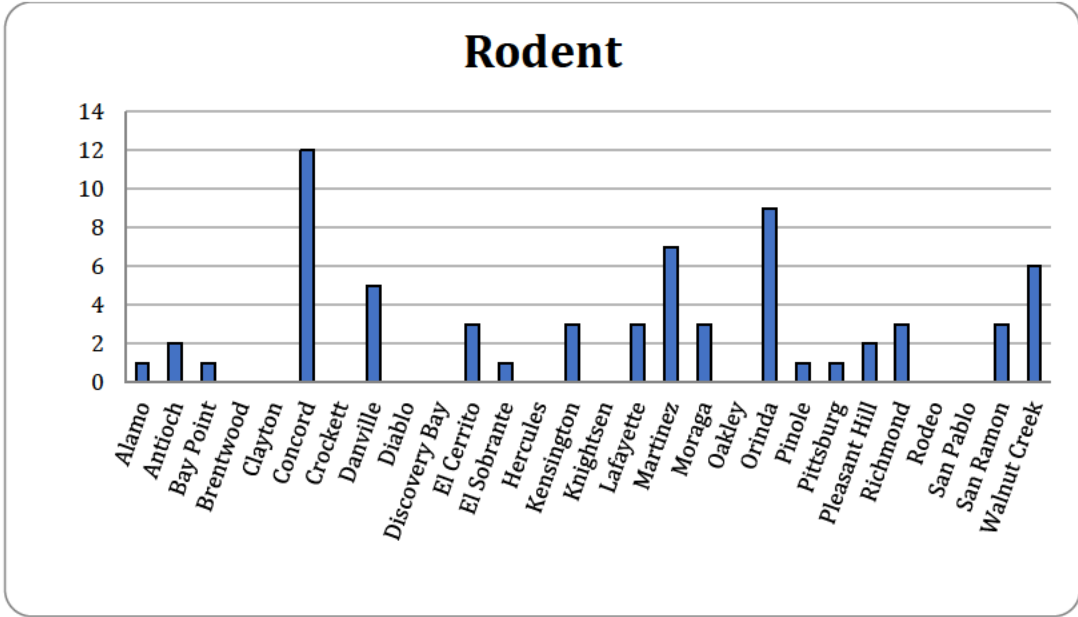
Mosquito Program:

- We observed an increase of 58% for service requests in December 2020 (19) compared to December 2019 (12).



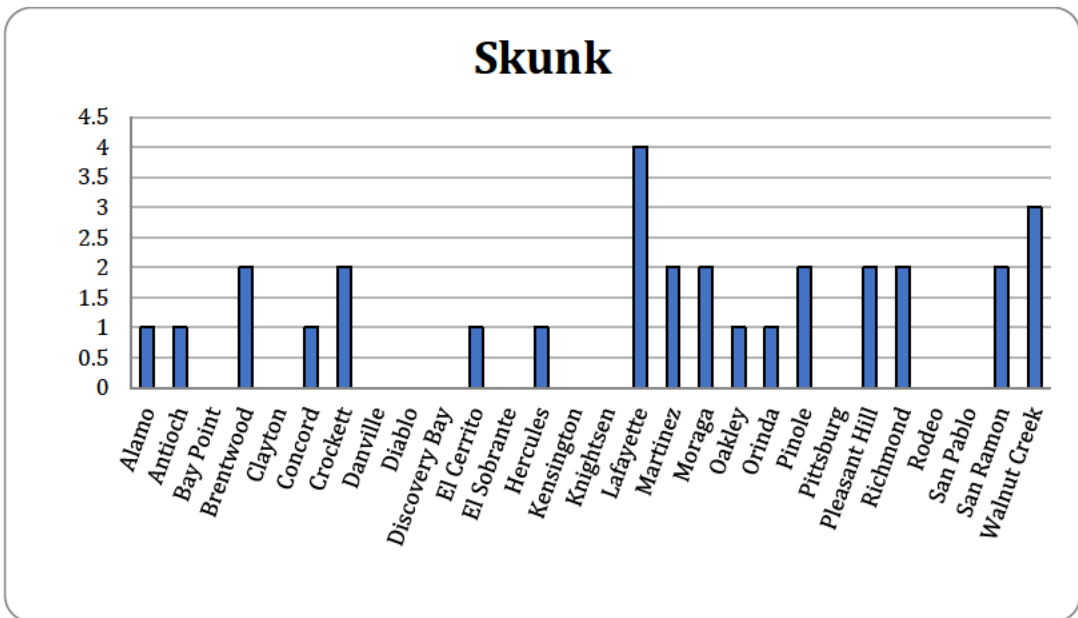
Rodent Program:

- For the month of December 2020 the District did not receive any requests for service to inspect and/or treat any sewer systems for rodents. We continue to network with all of the municipal sanitary districts in the county.
- We continue to offer outside only rodent inspections.
- Rodent service requests are down 16% from December of 2019. Last year we performed 74 inspections vs. 62 in December 2020.



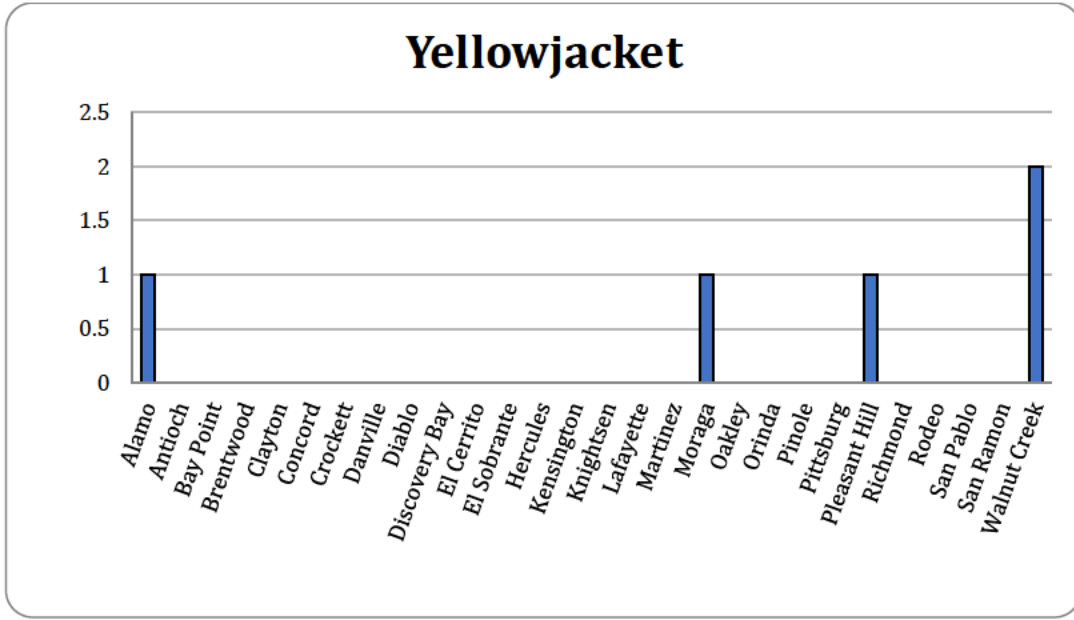
Skunk Program:

- Skunk service requests were down 55% for December 2020 (31) compared to December 2019 (69). At this time of the year, skunks are actively looking for denning sites and can often be spotted during daylight hours. Structures with voids beneath the floor are at risk of skunks creating dens. We continue to provide inspections and information to the public on how to effectively seal up and exclude skunks from structures.
- At the time this report was prepared, we were starting to see more skunk calls as we are in the middle of their breeding cycle.



Yellowjacket Program:

- The District received 6 service requests for yellowjackets in December 2020, which is down 40% from the number for December 2019 (10).



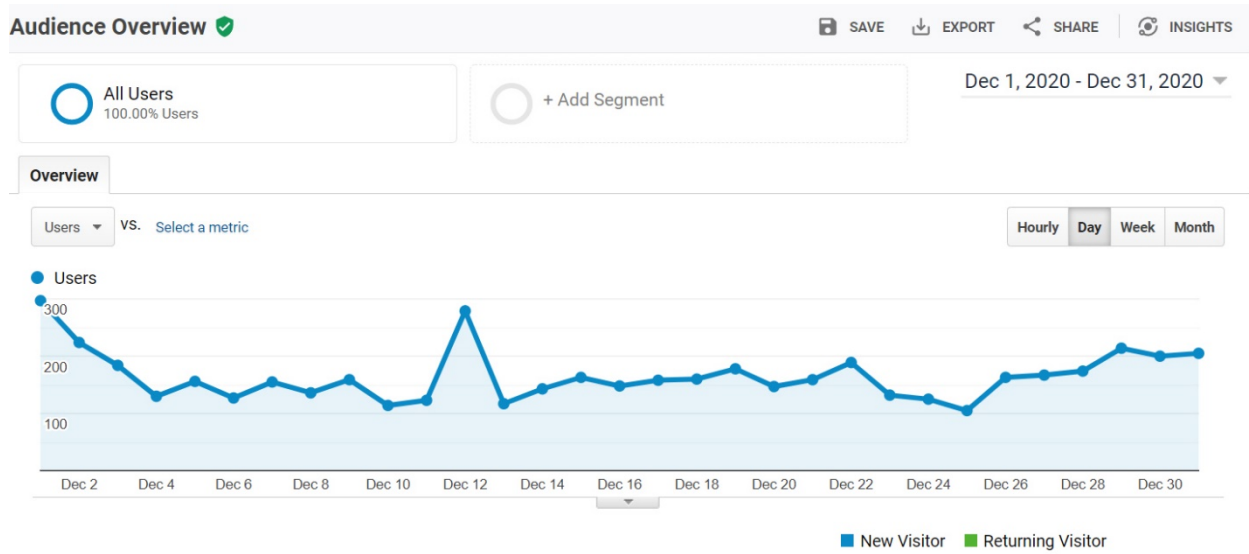
December 2020 Public Affairs Department Report

Prepared January 11, 2021 by Nola Woods, Public Affairs Director

- Presentations & Events
 - As is typical in December and possibly also due to the COVID-19 pandemic, there were no events, nor presentations scheduled or performed in December.
- Advertising
 - The District's "Back to Basics" advertising campaign continues to appear in publications, on the Internet and in community newsletters and direct mail.
 - Internet Banner Ads
 - Target Area: All of Contra Costa County
 - Current Ad: Rats and Mice Ad
 - Brentwood Press (Free to residents)
 - Target Area: Brentwood, Discovery Bay, Bethel Island, Oakley, and Antioch
 - Current Ad: Rats and Mice Ad
 - Community Focus (Free to residents)
 - Target Area: Martinez, Pacheco, Concord, Pleasant Hill, Walnut Creek, and Lafayette
 - Current Ad: Skunk Ad
 - Your Town Monthly (Free to residents)
 - Target Area: Danville, Alamo, Blackhawk, and San Ramon
 - Current Ad: Skunk Ad
 - Contra Costa Marketplace (Direct Mail publication)
 - Target Area: Hercules, Rodeo, Pinole, El Sobrante, San Pablo, El Cerrito, and Richmond
 - Current Ad: Skunk Ad



- Website Visitors
 - December 1-31, 2020



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

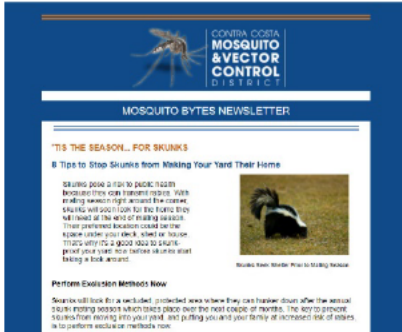
	6,619 % of Total: 100.00% (6,619)	5,924 % of Total: 100.00% (5,924)	00:01:58 Avg for View: 00:01:58 (0.00%)
1. /rodents_virus_risk.htm	2,915 (44.04%)	2,753 (46.47%)	00:05:25
2. /thrive_rt_20.htm ← Rat/Mouse Internet Banner Ad	1,098 (16.59%)	943 (15.92%)	00:01:23
3. /index.html	546 (8.25%)	443 (7.48%)	00:01:08
4. /surefire_ways_article.htm	219 (3.31%)	214 (3.61%)	00:03:36
5. /mites.htm	188 (2.84%)	177 (2.99%)	00:02:05
6. /service_request.htm	154 (2.33%)	135 (2.28%)	00:02:40
7. /thrive_sk_20.htm ← Skunk Internet Banner Ad	121 (1.83%)	99 (1.67%)	00:00:48
8. /rats_mice.htm	92 (1.39%)	81 (1.37%)	00:01:02
9. /asian_tiger_mosquito.htm	77 (1.16%)	75 (1.27%)	00:02:57
10. /agendas_minutes.htm	70 (1.06%)	50 (0.84%)	00:00:30

- Publications

- Mosquito Bytes Newsletter

- 'TIS THE SEASON... FOR SKUNKS

- 8 Tips to Stop Skunks from Making Your Yard Their Home



- 1321 Sent
- 30.2% Opened
- 5.1% Clicked Links
- Top Links
 - Skunk [brochure](#)
 - District website [homepage](#)
 - [Sign up](#) for Board Meeting Agenda, Mosquito Bytes Newsletter, News Release or Spray Notification

- Social Promotion

- Twitter

- December 18 'Tis the Season for Skunks

- 3 Engagements (Total number of times a user interacted with a tweet)
 - 1.6% Engagement Rate (Number of clicks, retweets, replies, follows and likes)
 - 183 Impressions (Number of times users saw the tweet on Twitter)
 - 1,373 Followers

- Nextdoor

- December 18 'Tis the Season for Skunks

- 168 Recommendations (Total neighbor recommendations)
 - 676 Views (Number of times a post has been viewed in the newsfeed)
 - 12 Actions (Number of times a neighbor has interacted with a post, including clicking on or replying to a post)
 - 1,179 Neighborhoods (Where the District appears in search results)
 - 498,026 Neighbors (People who can search for the District's page)
 - As more Contra Costa County residents, from different areas of Contra Costa County recommend the District, the larger our reach will become.
 - We cannot see conversations, nor correct misinformation unless someone makes a public recommendation of the District or asks a question of the District.

December 2020 Administration Department Report

Prepared January 19, 2021 by Maria Bagley, Administrative Services Manager,
and Paula Macedo, General Manager

- **COVID -19**

In December, the District completed the COVID Prevention Program (CPP) mandated by OSHA, which took effect November 30, 2020. This is pursuant to an Emergency Temporary Standard in place for COVID-19 (California Code of Regulations (CCR), Title 8, section 3205(c)). Cal/OSHA has developed the program to assist employers with creating their own unique CPP tailored to their workplace. The District has reviewed and implemented the CPP, including employee training to all employees.

In addition, we temporarily repurposed the Board and meeting rooms to allow for better spacing between workstations for field employees. We separated workstations by using a solid partition and spaced them at least 8 to 10 feet from each other. We also evaluated air flow/efficiency per the CPP. We continue to perform additional disinfection of high touch surface areas, to wear facial coverings and to practice social distancing. We continue to follow all local, state and federal requirements. The District is now working with the Contra Costa County Health Department to determine what tier our employees will be eligible to be vaccinated at. We are also working with legal counsel, the Mosquito and Vector Control Association, and other agencies regarding requirements for vaccinations.

- **IT**

IT has been continuing to work on upgrading our computer systems and creating VPN network for employees that may work from home.

The operational software MapVision is underway and meetings on specific District configurations are occurring.

- **Audit**

The District completed its final Audit meeting in December and, at the time of this report, the Audit had been approved by the full Board at the January meeting. The District has received a clean, unmodified opinion, which is the highest level of assurance given.



- **General**

The District has continued to work towards digitalization and reorganization of all records and files. The ability to have access to these files at any time has helped us to respond faster to requests from all customers and vendors. We have continued to increase our organizational efficiency, by working on our systems and processes one project at a time. We will be continuing this process throughout 2021.