

# **DELTA VECTOR CONTROL DISTRICT**

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## **REPORT OF THE MANAGER NOVEMBER 2020**

### **I. Water and Weather**

The temperature decreased in November. The average high temperature for the month was 67.1°F, and the average low was 41.0°F, with 0.15 inches of rainfall reported as preliminary data from the Delta Vector Control District Weather Station. The 30-year seasonal averages for high and low temperature in November are 64.1°F and 43.5°F respectively, with the 30-year average rainfall reported as 1.23 inches by the National Oceanic and Atmospheric Administration.

Water storage at Pine Flat Reservoir increased minutely to be 207,987 acre-feet by the end of the month. By November 30<sup>th</sup> Pine Flat Reservoir's inflow had decreased by over 40% to 191 cubic feet per second (CFS) and its release decreased to 134 CFS. The Lake Kaweah Reservoir ended the month with slightly more water than the previous month, with 10,142 acre-feet on the 30<sup>th</sup> of November. Lake Kaweah's inflow increased significantly to 48 CFS and its release was increased to 28 CFS.

### **II. Narrative**

The Delta Vector Control District (DVCD) seasonal laboratory staff ended their term for the season, following a decrease in service requests and outstanding property re-inspections. No strategic trapping took place in the month of November.

Arbovirus screening for West Nile virus (WNV), St. Louis Encephalitis Virus (SLEV), and Western Equine Encephalitis Virus (WEEV) did not take place in November. To date, a total of 2,785 mosquito samples have been tested with 143 samples testing positive for WNV and 37 positive for SLEV. No samples have tested positive for WEEV.

The invasive *Aedes* mosquitoes have continued to be found in some areas of the District. Inspections continued for service requests and high trap count areas. As of the end of November, a total of 3,178 inspections for invasive *Aedes aegypti* have been conducted, representing 2,611 unique properties. Of these properties, 729 had mosquito breeding sources at least once during the season. Additionally, 2,177 were inspected only once while 352 were

inspected twice during the season. The remaining 82 properties were inspected three or more times.

Three oral presentations as well as three posters were accepted by the Mosquito and Vector Control Association of California (MVCAC) to be presented by the Laboratory staff at the upcoming MVCAC Virtual Annual Meeting from February 1-3, 2021. Also, three oral presentations were accepted to be presented at the next virtual Annual Meeting of the American Mosquito Control Association from March 2-5, 2021.

Throughout November, employees continued to complete the online screening of COVID-19 survey and take paid time off to seek test results when required. All employees at this time have tested negative. The District will continue to be proactive in keeping employees and the public safe, with no planned rollback of any of the safety precautions that have been put in place.

Staff continued to respond to service requests as needed. Vector Control Technician II's left at the start of the month. Full time technicians began to clean, review and repair the vehicle fleet in November, as well as addressing the maintenance needs of the District grounds and fixing safety concerns. Ordering of parts and equipment began in earnest.

Cleaning out of outdated records began, in compliance with legal requirements and the records retention policy to clean up clutter around the administrative office and laboratory.

Staff appreciation luncheon, with a taco catering truck, took place on November 16<sup>th</sup>, and Paul Jobe and Tim Christian were recognized and presented with their retirement plaques.

Administrative Assistant, Sheri Davis, attended a virtual training from the California Special District Association and is now certified as a Special District Board Secretary/Clerk.

The DVCD hosted the California Department of Public Health (CDPH) Vector Control Technician Certification exams on categories A-D on November 19th with 21 personnel from the Southern San Joaquin region taking the exams and among them were five from the DVCD. On the same day, the CDPH Biologist assigned to DVCD completed his semi-annual review of the DVCD and signed off on his inspection.

There were eight service requests in November:

#### 2020 Service Request Summary

<b>2020</b>	<b>Fish</b>	<b>Inspection</b>	<b>Mosquito</b>	<b>Source</b>	<b>Other</b>	<b>Total</b>
<b>January</b>	0	3	0	0	3	<b>6</b>
<b>February</b>	2	6	0	4	0	<b>12</b>
<b>March</b>	1	7	0	5	0	<b>13</b>
<b>April</b>	16	22	13	22	2	<b>75</b>
<b>May</b>	13	21	47	24	2	<b>107</b>
<b>June</b>	12	46	157	31	6	<b>252</b>
<b>July</b>	19	113	217	76	13	<b>438</b>
<b>August</b>	8	121	107	69	9	<b>314</b>
<b>September</b>	17	92	92	56	5	<b>262</b>

<b>October</b>	3	94	49	30	6	<b>182</b>
<b>November</b>	0	5	1	2	0	<b>8</b>
<b>Total</b>	<b>91</b>	<b>530</b>	<b>683</b>	<b>319</b>	<b>46</b>	<b>1669</b>

### III. Vector and Disease Surveillance

#### Delta VCD Summaries

Humans: One probable case of WNV has been reported in 2020 within Delta VCD boundaries. There have been no SLEV positive human cases or WEEV positive human cases reported within Delta VCD boundaries at this time. At this time last year, 2 confirmed human cases of neuroinvasive WNV, 5 probable cases of neuroinvasive WNV and 6 probable cases of non-neuroinvasive WNV had been reported from within District boundaries.

#### Birds:

The dead bird hotline has closed for the year and will open again in April of 2021.

#### Mosquito:

No additional mosquito testing occurred in the month of November.

#### State Surveillance:

Humans: As of November 20<sup>th</sup>, 2020, 177 human cases of WNV have been reported from 23 counties within the state of California. No new cases of SLEV have been detected in California. At this time in 2019, 196 human cases of WNV were detected from 23 counties and 6 human cases of SLEV from four counties.

Birds: As of November 20<sup>th</sup>, 2020, 339 WNV positive dead birds have been reported from 20 counties. At this time in 2019, 214 WNV positive dead birds were reported from 21 counties.

Mosquitoes: As of November 20<sup>th</sup>, 2020, 2,628 WNV positive mosquito samples have been reported across the state of California from 28 counties. Additionally, a total of 510 SLEV positive mosquito samples have been reported from 9 counties. At this date in 2019, 3,284 WNV positive mosquito samples were reported from 25 counties, and 356 SLEV positive mosquito samples from 12 counties.

### IV. Expenditures & Revenues – 2020/21

TOTAL BUDGET \$3,516,071.89

EXPENDITURES – July 1, 2020 – November 30, 2020

Salaries	\$1,170,464.59
Services & Supplies	\$291,714.87
Tax Admin Fee	0
Capital	\$7,333.74
Building Improvements	\$149,690.76
<b>TOTAL EXPENDITURES</b>	<b>\$1,619,203.96</b>

## REVENUE RECEIVED – July 1, 2020 – November 30, 2020

July	\$1,011.30
August	\$0.00
September	\$22,679.32
October	\$3,896.34
November*	
<b>TOTAL REVENUE TO DATE</b>	<b>\$23,690.62</b>

V. Time Sheet Summary

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Avail for Work
<b>July</b>	<b>5,632</b>	<b>50.25</b>	<b>5,581.75</b>	<b>99.10</b>
<b>August</b>	<b>5,376</b>	<b>133.25</b>	<b>5,242.75</b>	<b>97.53</b>
<b>September</b>	<b>4,816</b>	<b>99.75</b>	<b>4,716.25</b>	<b>97.93</b>
<b>October</b>	<b>3,520</b>	<b>123.25</b>	<b>3,396.75</b>	<b>96.50</b>
<b>November</b>	<b>2,016</b>	<b>132.00</b>	<b>1,884.00</b>	<b>93.46</b>

The District has a vacation policy that requires 24 hour notice in order to ensure the operational integrity of the workforce. Sick leave for doctor, dentist and/ or family medical necessity also requires advance notice- in so much as it is possible. Illness is unplanned and therefore unscheduled. Attendance records for the current year are shown in the table.

*\*Revenue not available from Tulare County as of 12/3/2020.*