

DELTA VECTOR CONTROL DISTRICT

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REPORT OF THE MANAGER MARCH 2020

I. Water and Weather

Temperatures continued to fluctuate in March with rain finally appearing, and with a lower average high, but a higher average low than the previous month. The average high temperature for the month was 66.6°F, and the average low was 42.9°F, with 2.24 inches of rainfall reported as preliminary data by the National Weather Service, Hanford Station. The 30-year seasonal averages for March are 46.1°F and 67.3 °F respectively, with the seasonal average rainfall reported as 1.99 inches.

Water storage at Pine Flat Reservoir increased slightly to 540,419 acre-feet by the end of the month. By March 31st Pine Flat Reservoir's inflow had decreased slightly to 885 cubic feet per second (CFS) and its release decreased slightly to 267 CFS. Lake Kaweah Reservoir water storage increased over 40% during the month, being 41,153 acre-feet at the end of the month. Lake Kaweah's inflow increased slightly to 279 CFS and its release was decreased significantly to 28 CFS at month's end.

II. Narrative

Winter maintenance of vehicles and equipment, and spray equipment calibrations wrapped up in March. Source map and gate codes to locked locations continued to be updated and will continue to be updated as needed throughout the season. The applicants for seasonal positions were interviewed at the start of the month and contacted regarding hiring decisions promptly. The full-time staff attended training on March 12th and 13th. Full-time staff continued to do winter work for the first half of the month, moving onto crop mapping their zones near the end of the month.

In early March, Mir Bear-Johnson and the three biologists attended the California Mosquito and Vector Control Association Spring Quarterly meeting in Sacramento, working on committees and with other District's to help our state's control efforts in the coming season. Due to the evolving situation around COVID-19, meetings and conferences that were planned in later March were canceled. Additionally, there were decisions made to help protect District staff. The District is considered emergency, or essential, personnel and control activities must continue to help protect the public from the threat of mosquito-borne diseases, but the District is making extra steps to ensure the safety of staff as they continue to work. One decision was to have the seasonal employees start in two separate shifts, with one round of training taking place for eight staff members from March 25th-26th, and the other for an additional eight from March 30th-April 1st. Additionally, staff were divided into three time shifts, with people coming in at

6:30, 7:00, and 7:30 to allow enough social distancing and help minimize congregation in any work areas.

Since Jesse Erandio received results back from the California Department of Public Health and successfully passed the proficiency panel, Delta VCD is now certified to test for all three arboviruses transmitted by native *Culex* species. Jesse was also able to take and pass his test for remote pilot recertification on March 13th; this certification lasts two years and will continue to be renewed as needed. Crystal Grippin worked tirelessly with DMI, a local marketing agency, to update our website and make sure everything was functional, with anticipated website going live in early April. Mark Nakata is continuing to work on the mosquito trap routes and sent out letters to trap hosts in March in anticipation of the start of trapping season. Trapping officially started on March 30th, with the traps collected on March 31st collecting few mosquitoes.

There were thirteen service requests during the month:

2020 Service Request Summary

	Fish	Inspection	Mosquito	Source	Other	Total
January	0	3	0	0	3	6
February	1	5	1	5	0	12
March	1	2	1	9	0	13
Total	2	10	2	14	3	31

III. Vector and Disease Surveillance

Delta VCD Summaries

Humans: There are no new WNV positive human cases reported within Delta VCD boundaries.

Birds: During the month of February, no dead birds were reported to the District.

Mosquitoes: Mosquito-borne disease surveillance has been suspended, as is typical during winter months. Surveillance will resume in April.

State Surveillance:

As of the end of the month, there is no new vector-borne surveillance data from the State.

IV. Expenditures & Revenues – 2019/20

TOTAL BUDGET \$4,053,625.97

EXPENDITURES – July 1, 2019 – March 31, 2020

Salaries	\$1,867,110.37
Services & Supplies	\$616,688.05
Tax Admin Fee	\$30,998.00
Capital	\$45,337.36
Building Improvements	\$35,677.68
TOTAL EXPENDITURES	\$2,595,811.46

REVENUE RECEIVED – July 1, 2019 – March 31, 2020

July	\$356.00
August	\$82.30
September	\$17,909.97
October	\$2,858.74
November	\$1,593.76
December	\$1,834,682.15
January	\$385,487.27
February	\$9,687.75
March*	
TOTAL REVENUE TO DATE	\$2,252,657.94

V. Time Sheet Summary

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Avail for Work
July	4928	94.25	4833.75	98.08
August	5104	106.00	4998.00	97.93
September	4400	71.25	4328.75	98.38
October	2680	72.50	2607.50	97.30
November	2160	75.75	2084.25	96.50
December	1920	46.50	1873.50	97.58
January	2640	78.50	2561.50	97.03
February	2280	48.00	2232.00	97.89
March	3032	70.75	2961.25	97.67

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.

**March revenue not available from Tulare County as of 4/3/2020.*