

DELTA VECTOR CONTROL DISTRICT

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REPORT OF THE MANAGER March 2018

I. Water and Weather

Temperatures rose slightly in March and a storm system dubbed an “atmospheric river” drenched most of California with some much-needed rain. The average high temperature for the month was 66°F and the average low was 45°F, with 2.6 inches of rainfall reported by the National Weather Service, Hanford Station. The 30-year seasonal averages for March are 67.3°F and 46.1 °F respectively, with the seasonal average rainfall reported as 1.99 inches.

Water storage at Pine Flat Reservoir increased to 659,514 acre-feet. By March 31st Pine Flat Reservoir’s inflow was 2,791 and its release was 265 CFS. Lake Kaweah Reservoir water storage also increased during the month to 75,385 acre-feet. Lake Kaweah’s inflow was 883 CFS and its release was 3 CFS at month end.

II. Narrative

Trail maintenance and flagging was completed at all locations along the Kings, St. Johns and Kaweah Rivers. The application for a five year extension of the Lake and Streambed Alteration Permit No. 2005-0151-R4 was submitted with payment to California Department of Fish and Wildlife. Technicians continued post-emergent treatment of weeds as weather permitted. All Full time and Seasonal employees received orientation and annual training on March 19th. Zone technicians began crop mapping and setting up Field Condition charts for their respective zones. Seasonal employees continue to receive training for their respective positions. All certified staff attended Continued Education on March 21st, at the Tulare Ag Center. On March 28th, Technician’s Paul Harlien and Tim Christian, calibrated and transported the Districts ULV machines to Kings MAD for droplet testing by Clarke Mosquito Products personnel.

Laboratory staff wrapped up final preparations for the upcoming mosquito season, solidifying plans for both the WNV surveillance and invasive *Aedes* programs. A total of four seasonal laboratory technicians and one laboratory intern began training on March 19th. Two additional laboratory interns will begin work in May. All of the laboratory seasonal staff completed “mosquito school” a newly developed training program to expand seasonal staff members’ baseline knowledge of mosquito biology and vector-borne disease. Mark Nakata, Biologist, began work to outline a mosquito fish rearing program and Crystal Grippin, Biologist, began

preparations for her first community event presentation, a neighborhood watch meeting in Visalia. 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. Taylor Tushar, Scientific Program Manager, and Mir Bear-Johnson, Biologist, conducted an inventory and prepped all equipment necessary for successful functioning of both the WNV and invasive *Aedes* surveillance programs.

There were eight service requests during the month:

2018 Service Request Summary

	Fish	Inspection	Mosquito	Source	Other	Total
January		4	1			5
February		3				3
March		6		2		8
Total	0	13	1	2	0	16

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 March, two dead birds were reported by the public. The birds did not meet the requirements for arbovirus testing.

Mosquito:

Mosquito-borne disease surveillance has been suspended, as is typical during winter months. The WNV surveillance program will begin to run 172 gravid traps on a weekly basis beginning the first week of April.

State Surveillance:

As of month end, there is no new vector-borne surveillance data from the State. The California Department of Public Health will begin accepting and publishing mosquito abundance data the first week of April, epidemiological week 14.

IV. Expenditures & Revenues – 2017/18

TOTAL BUDGET \$4,205,079.78

EXPENDITURES – July 1, 2017 – March 31, 2018

Salaries	\$1,554,524.65
Services & Supplies	\$363,067.15
Tax Admin Fee	29,279.00
Capital	\$9,938.00
Long-Term Debt	\$1,448,190.13
TOTAL EXPENDITURES	\$3,404,998.93

REVENUE RECEIVED – July 1, 2017 – March 31, 2018

July	\$533.21
August	\$158.70
September	\$12,310.49
October	\$205.60
November	\$810.30
December	\$1,634,092.49
January	\$334,738.65
February	\$1,405.97
March*	
TOTAL REVENUE TO DATE	\$1,984,255.41

V. Time Sheet Summary

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Avail for Work
July	4320	66.50	4253.50	98.46
August	4600	30.75	4569.25	99.34
September	4000	207.25	3792.75	94.82
October	2824	137.15	2686.85	95.15
November	1976	119.30	1856.70	93.97
December	1560	77.75	1482.25	95.02
January	2184	101.75	2082.25	95.35
February	2128	42.50	2085.50	98.01
March	3360	59.50	3300.50	98.23

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 4/6/18.*