

DELTA VECTOR CONTROL DISTRICT

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REPORT OF THE MANAGER February 2018

I. Water and Weather

Mild temperatures and minimal rainfall was experienced throughout the month of February. The average high temperature for the month was 64°F and the average low was 38°F, with 0.49 inches of rainfall reported by the National Weather Service, Hanford Station. The 30-year seasonal averages for February are 61.3°F and 42.1°F respectively, with the seasonal average rainfall reported as 1.85 inches.

Water storage at Pine Flat Reservoir increased slightly to 524,795 acre-feet. By February 28th Pine Flat Reservoir's inflow was 367 cubic feet per second (CFS) and its release was 315 CFS. Lake Kaweah Reservoir water storage also increased slightly during the month to 29,926 acre-feet. Lake Kaweah's inflow was 92 CFS and its release was 1.3 CFS at month end.

II. Narrative

Pre-emergent herbicide treatments were completed to dairy lagoons and wastewater facilities within District boundaries and a post emergent treatment was made to those needing cleanup and will continue as weather allows. Trail maintenance was initiated along the Kings River, in preparing access for the upcoming season. Spray equipment repair and calibration was completed. Label and Safety Data Sheets were updated to the latest versions. Seasonal position interviews were held. Most of the available positions have been filled and will receive Orientation training on March 19, 2018.

Laboratory staff continued to prepare for the upcoming mosquito and WNV transmission season. Delta Vector Control District hired an additional biologist, Mark Nakata, to assist with the District's expanding surveillance programs and new investigations. Mark began his employment February 20th. Both new biologists have undergone training in the lab to familiarize themselves with the WNV surveillance program, arbovirus testing and invasive *Aedes* surveillance program. Laboratory staff, Taylor Tushar, Mir Bear-Johnson and Jesse Erandio attended the annual AMCA conference at the end of the month gaining insight into new technologies for mosquito control, innovations in mosquito trap design, and ideas for engaging and training seasonal staff for optimal operations.

The laboratory staff hired six seasonal staff members to prepare for the upcoming surveillance season with a goal to include several lab interns with advanced scientific education (pursuing or having obtained a Bachelors of Science) for the invasive *Aedes* program. To date, two interns have been offered positions, both with B.S. degrees.

There were three service requests during the month:

2018 Service Request Summary

	Fish	Inspection	Mosquito	Source	Other	Total
January		4	1			5
February		3				3
Total	0	7	1	0	0	8

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, two dead birds were reported by the public. One of the birds, a scrub-jay was tested by RT-PCR and was negative for WNV.

Mosquito:

Mosquito-borne disease surveillance has been suspended, as is typical during winter months. Surveillance will resume when daily temperature begin to rise, usually in April.

State Surveillance:

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

IV. Expenditures & Revenues – 2017/18

TOTAL BUDGET \$4,205,079.78

EXPENDITURES – July 1 – February 28, 2017

Salaries	\$1,419,574.74
Services & Supplies	\$345,506.65
Tax Admin Fee	29,279.00
Capital	\$8,518.07
Long-Term Debt	\$1,448,190.13
TOTAL EXPENDITURES	\$3,251,068.59

REVENUE RECEIVED – July 1 – February, 2017

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
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

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.