

DELTA VECTOR CONTROL DISTRICT

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REPORT OF THE MANAGER MARCH 2019

I. Water and Weather

The average high temperature for the month was 68.7°F, and the average low was 43.0 °F, with 1.19 inches of rainfall reported as preliminary data 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 decreased slightly to 560,583 acre-feet. By the end of the month Pine Flat Reservoir's inflow also decreased slightly to 2,623 cubic feet per second (CFS) while the release increased by over two thousand percent to 5,962 CFS. Lake Kaweah Reservoir water storage increased during the month, by over 85%, to be 40,615 acre-feet at the end of the month. Lake Kaweah's inflow was 1,024 CFS and its release was 1,305 CFS at month end.

II. Narrative

Post emergent treatment to wastewater lagoons continued throughout March as weather allowed. All equipment repairs and calibrations were completed. On March 18, 2019 annual training and orientation was given at the District for all employees. On March 19th all field Technicians started mapping and inspection of their assigned area. House Mosquito Techs received in field training and began inspections within their assigned zone. Weed/Larval Techs received in field training on site locations and recording procedures. One Seasonal Technician received an injury and one more was brought on to replace him during his recovery time.

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 six seasonal laboratory technicians attended the training on March 18th, and four of them started additional training on March 25th. Two seasonal returning staff will begin later as less training is required. One laboratory intern was interviewed for potentially beginning work in May. All of the laboratory seasonal staff completed mosquito school, the training program designed to expand seasonal staff members' baseline knowledge of mosquito biology and vector-borne disease.

Mark Nakata, Biologist, took and passed the FFA Part 107 remote pilot certification exam on March 28th, making him able to fly the drone for the district. Crystal Grippin, Biologist, worked on the PR needs of the early season, getting quotes, contacting potential outlets and creating advertisements and outreach material. 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. Mir Bear-Johnson, Scientific Program Manager, checked the inventory and ensured readiness for the successful functioning of both the WNV and invasive *Aedes* surveillance programs.

There were twenty service requests during the month of March:

2019 Service Request Summary

	Fish	Inspection	Mosquito	Source	Other	Total
January	0	4	1	1	1	7
February	0	9	0	0	0	9
March	3	14	0	3	0	20
Total	3	27	1	4	1	36

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 by the public.

Mosquito:

Mosquito-borne disease surveillance has been suspended, as is typical during winter months. Surveillance will resume when daily temperature begins to rise, usually 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 – 2018/19

TOTAL BUDGET \$3,092,198.15

EXPENDITURES – July 1, 2018 – March 31, 2019

Salaries	\$1,589,567.78
Services & Supplies	\$456,659.24
Tax Admin Fee	\$29,587.00
Capital	\$56,065.89
Building Improvements	\$51,027.00

TOTAL EXPENDITURES	\$2,182,906.91
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REVENUE RECEIVED – July 1, 2018 – March 31, 2019

July	\$47.38
August	\$262.76
September	\$14,274.20
October	\$1,338.16
November	\$1,280.52
December	\$1,322,084.51
January	\$356,387.57
February	\$5,843.24
March	\$19,739.58
TOTAL REVENUE TO DATE	\$1,721,257.92

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	5152	118.50	5033.50	97.70
September	3792	88.25	3703.75	97.68
October	3160	50.25	3109.75	98.41
November	2128	94.95	2033.05	95.54
December	1736	86.75	1649.25	95.01
January	2352	64.00	2288.00	97.28
February	2128	85.25	2042.75	96.00
March	3161	58.50	3102.50	98.15

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.