

DELTA VECTOR CONTROL DISTRICT

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REPORT OF THE MANAGER FEBRUARY 2020

I. Water and Weather

Temperatures began to increase in February, with highs over 80°F near the end of the month, but with some nights still dropping below freezing as well. The average high temperature for the month was 68.2°F, and the average low was 36.8°F, with no rainfall reported as preliminary data 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 510,064 acre-feet by the end of the month. By February 29th Pine Flat Reservoir's inflow had increased by over 70% to be 987 cubic feet per second (CFS) and its release increased slightly to 330 CFS. Lake Kaweah Reservoir water storage increased over 30% during the month, being 29,206 acre-feet at the end of the month. Lake Kaweah's inflow increased slightly to 213 CFS and its release was increased to 101 CFS at month's end.

II. Narrative

Pre-emergent herbicide treatments were completed to accessible dairy and wastewater lagoons within District boundaries. Post emergent treatment was made to those needing cleanup and will continue as weather allows. Winter maintenance of vehicles and equipment, and spray equipment calibrations are ongoing. Label and Safety Data Sheets were updated to the latest versions. Source Maps and gate codes to locked locations continue to be updated and brought current in preparation for a new season. Seasonal positions were posted, and applications reviewed. Interviews will take place the first week of March. Orientation training for full time staff is scheduled for March 12th, 2020, and for seasonal staff on March 25th, 2020.

Laboratory staff continued to prepare for the upcoming mosquito and WNV transmission season. Seven seasonal staff from the previous year were asked to return and six of them accepted. Interviews to fill the remaining positions will be held in March.

In February, laboratory staff was able to accompany CDPH to flag ticks in the nearby Sequoia National Forest, ensuring that laboratory protocol for ticks is consistent with state standards. Additionally, Crystal Grippin, with assistance from the other biologists, continued to work on improving the Training Day material for both fulltime and seasonal staff. Mark Nakata worked on finishing up trap repair and improvements to the route plan and began work on restarting the outdoor fish facility. Jesse Erandio received the proficiency panel from the UC Davis Arthropod Research and Training (DART) laboratory. The proficiency panel is run by any District interested in doing in house testing of mosquito borne viruses, in order to insure reportability to the state. Jesse was able to run the panel before the end of the month, and dilutions looked accurate, but full analysis has not been completed. The panel results are not due until the 13th of March. Mir Bear-Johnson attended the Pacific Southwest Center of Excellence in Vector-Borne Diseases 3rd Annual Progress and Planning Meeting in Riverside, and the WALS Summit in Sacramento. Useful information and connections from these meetings were brought back to the District for implementation in the 2020 season.

There were twelve service requests during the month:

2020 Service Request Summary

	Fish	Inspection	Mosquito	Source	Other	Total
January	0	2	1	1	2	6
February	1	5	1	5	0	12
Total	1	7	1	6	3	18

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.

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 – 2019/20

TOTAL BUDGET \$4,053,625.97

EXPENDITURES – July 1, 2019 – February 29, 2020

Salaries	\$1,606,363.75
Services & Supplies	\$537,963.85
Tax Admin Fee	\$30,998.00
Capital	\$32,859.79
Building Improvements	\$35,859.79
TOTAL EXPENDITURES	\$2,243,863.07

REVENUE RECEIVED – July 1, 2019 – February 29, 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
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

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.