

MINUTES OF PREVIOUS MEETING

September 13, 2017

The regular monthly meeting of the Board of Trustees of the Lake County Vector Control District was called to order at 1:31 P.M. by President Giambruno.

Board Present: Rob Bostock, Curt Giambruno, Ron Nagy, Chuck Leonard, and George Spurr.

Absent: None.

District Personnel: Jamesina J. Scott, Ph.D., Manager and Research Director, Ms. Jacinda Franusich, Office Manager.

Guests: None.

Citizen's Input: None.

Agenda Additions and/or Deletions: None.

Mr. Leonard moved to approve the Board Minutes of August 9, 2017 with the correction to include check numbers 16993-17057 making the total expenditures for August 2017 \$117,690.22. Mr. Spurr seconded the motion. Motion carried unanimously.

Research Report

Dr. Scott reported on vectorborne disease activity. West Nile virus (WNV) activity has been detected in two dead birds, one sentinel chicken, and fifteen mosquito samples in Lake County.

For the rest of California, thirty-six counties have reported WNV activity in mosquitoes, sentinel chickens, and dead birds. Additionally, thirteen counties have reported a total of eighty-nine human cases of WNV illness, including three WNV related fatalities in Kern, Los Angeles and San Bernardino counties.

Thirteen California counties have reported St. Louis encephalitis virus (SLEV) activity. Seventy mosquito samples have tested positive for the virus as well as seven sentinel chickens.

There have been eighty travel associated cases of Zika virus reported from California residents of twenty counties.

From January 1 through September 1, 2017 twelve California residents have acquired chikungunya virus infections while travelling.

From January 1 through September 1, 2017 forty-six residents of eighteen California counties have been reported with travel-associated dengue infections.

In the rest of the United States, forty-five states have reported WNV activity in mosquitoes, birds, sentinel chickens, other animals, or humans this year.

Four hundred fifty human cases of WNV illness have been reported from 35 states.

Fifteen states have reported non-human eastern equine encephalitis (EEE) virus activity in 2017.

There have been twenty-two human cases of Jamestown Canyon (JCV) virus illness reported from five states this year.

There have been eighteen human cases of La Crosse encephalitis (LAC) virus reported from three states so far in 2017.

Eighteen human case of Powassan (POW) virus has been reported from nine states including two fatalities this year.

One human case of St. Louis encephalitis (SLE) virus has been reported from Arizona this year. Additionally, five other states have detected SLE in mosquitoes.

There have been 225 Zika (ZIK) virus cases reported to the US Centers for Disease Control and Prevention (CDC). Two hundred twenty-three were in travelers returning from affected areas and two were acquired through sexual transmission with a returned infected traveler.

Thirty-six travel-associated cases of chikungunya virus (CHIKV) have been reported from 15 states. Additionally, 30 cases of locally acquired CHIKV have been reported from Puerto Rico.

One hundred-seven travel-associated dengue (DEN) virus infections have been confirmed in US residents in 2017.

Dr. Scott reported on adult biting fly activity. The District set one hundred forty-one carbon dioxide baited traps in various locations around the county in August. The most abundant mosquito species were *Culex tarsalis* and *Anopheles freeborni*. Additionally, large numbers of black biting gnats were collected from several locations.

New Jersey light traps (NJLTs) were set near Borax Lake and in Upper Lake near the wild rice. *Culex tarsalis*, *Anopheles franciscanus*, and *Culex stigmatosoma* were among the mosquito species collected.

The Highland Springs Dam spillway was visited on five dates in August. Among the mosquito species collected were *Anopheles franciscanus*, *Culex boharti*, and *Culex thriambus*.

The resting box in Kelseyville was sampled on seven dates in August. Among the mosquito species collected were *Culex stigmatosoma* and *Culex tarsalis*.

Two resting boxes at a second site in Kelseyville were sampled once in August. Three female *Culiseta particeps* were collected.

A culvert in North Lakeport was sampled on four dates in August. Among the mosquito species collected were *Anopheles freeborni*, *Anopheles franciscanus*, and *Culex tarsalis*.

The two resting boxes in Lakeport were sampled on six dates in August. Five mosquito species were collected.

Four resting boxes in Upper Lake were sampled on six dates in August. Six mosquito species were collected.

The Biogents Sentinel 2 (BGS-2) traps were set at four locations in Clearlake Oaks. Three mosquito species were collected.

Dr. Scott reported on tick testing. Twenty-four *Ixodes pacificus* ticks that were removed from Lake County residents were submitted to the Sonoma County Public Health Laboratory for testing for Lyme disease. One tick was positive and the rest were negative.

Dr. Scott reported on Chaoboridae gnats. In the Upper Arm of Clear Lake the Clear Lake gnat larval counts were at 0.04 larvae per dredge. Chironominae numbers decreased from 11.18 larvae per dredge in July to 5.54 larvae per dredge in August. Tanypodinae numbers decreased from 2.54 larvae per dredge in July to 0.29 larvae per dredge in August.

Operation Report

No precipitation was recorded in the District's rain gauge during August. The total rainfall for the season is 44.73 inches.

The level of Clear Lake was at 4.65 feet on the Rumsey Gauge as of August 1. The lake level had decreased to 3.54 feet by August 31.

The District responded to 60 service requests in August, and three residents came into the office for mosquitofish.

The District made the second aerial application of larvicide in August to the wild rice to control immature mosquitoes. The previous application was made on July 1.

An irrigated pasture near Middletown was treated with Altosid pellets by ATV in August.

Dr. Scott contacted the District's insurance provider the Vector Control Joint Powers Agency (VCJPA) regarding the water damage to the floor of the Administrative Building's utility room. The damage is covered under the District's property damage policy. The work should be completed in-house this fall.

The District's vector control technicians visited Marin-Sonoma Mosquito and Vector Control District on August 29. The visit allowed the technicians to ride along with the Marin-Sonoma technicians who do yellow jacket control. Dr. Scott is considering the possibility of the District offering yellow jacket control next year.

On August 30, Leading Edge Associates gave a demonstration of three remote-piloted aircrafts (RPAs) that are used for aerial imaging, surveillance, and application. The demonstration was posted as a public meeting because a quorum of the board attended. There are several areas in the District where RPAs may be very helpful.

During August the District issued two media releases with Lake County Public Health. The first release on August 17 announced the detection of West Nile virus in a sentinel chicken and additional mosquito samples. The second release, issued before Labor Day weekend, reminded people that mosquitoes and WNV are still active, and to take proper precautions.

Dr. Scott attended a meeting on August 25 regarding the fish die-off in Clear Lake. The meeting was organized by Mr. Mike Pascoe the local Game Warden for the California Department of Fish and Wildlife. The meeting was intended to bring together members of all the agencies that conduct work on Clear Lake.

Dr. Scott participated in the California Special Districts Association (CSDA) Legislative Round-Up webinar on August 31. The webinar reviews the laws, bills, and court rulings that affect special districts.

Dr. Scott sent a letter to the five property owners on Esplanade who share in ownership of the right-of-way (ROW) next to the District's facility. The letter was intended to be a starting place for developing a memorandum of understanding to establish how the maintenance for the ROW is to be dealt with.

Approve Checks for the Month of September 2017

Mr. Nagy moved to approve Check Nos. 17058–17122 for the month of September 2017 in the amount of \$110,448.65. Mr. Leonard seconded the motion. Motion carried unanimously.

Other Business

No other business was discussed.

Announcement of Next Regular Board Meeting

The next regular meeting of the Board will be at 1:30 PM on October 11, 2017 at the Lake County Vector Control District Office, 410 Esplanade Lakeport, CA 95453.

Mr. Nagy moved to adjourn the meeting. Mr. Bostock seconded the motion. There being no other business the meeting was adjourned by President Giambruno at 2:30 PM.

Respectfully submitted,

Ronald Nagy
Secretary