

MINUTES OF PREVIOUS MEETING

December 13, 2017

The regular monthly meeting of the Board of Trustees of the Lake County Vector Control District was called to order at 1:30 P.M. by President Giambruno.

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

Absent: None.

District Personnel: Jamesina J. Scott, Ph.D., Manager and Research Director, and 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 November 8, 2017 with a correction to include check numbers 17249-17266 making the total expenditures for November \$80,219.26. Mr. Nagy seconded the motion. Motion carried unanimously.

Research Report

Dr. Scott reported on vector-borne virus activity. During 2017 West Nile virus (WNV) was detected in seventeen mosquito samples, five dead birds, and two sentinel chickens in Lake County.

In California, West Nile virus was detected in 305 sentinel chickens, 3,370 mosquito samples, 505 dead birds, and 20 horses. Additionally, 489 human cases of WNV have been reported in California. Twenty-six of the human cases were fatalities.

Fourteen California counties have reported non-human St. Louis encephalitis (SLE) virus activity this year. Kern County reported one human case of SLE.

From January 1 through December 1, 2017 one hundred-eleven travel-related cases of Zika virus infection have been reported in California residents from 21 counties.

From January 1 through December 1, 2017 twenty-five California residents have acquired chikungunya virus infections while travelling.

From January 1 through December 1, 2017 one hundred California residents from 24 counties have acquired dengue infections while travelling.

In the rest of the United States 1,921 human cases of WNV illness have been reported from 47 states.

Eighteen states have reported non-human Eastern equine encephalitis (EEEV) virus activity. One human case of EEEV has been reported from Florida.

There have been sixty-three human cases of Jamestown Canyon (JCV) virus illness reported from seven states. Additionally, JCV was detected in mosquitoes from Connecticut.

There have been thirty-six human cases of La Crosse encephalitis (LAC) virus reported from seven states in 2017.

Twenty-six human cases of Powassan (POW) virus illness have been reported from ten states.

Six human cases of St. Louis encephalitis (SLE) virus illness have been reported from three states. Additionally, five other states have detected SLE in mosquitoes.

From January 1 through December 6, 2017, three hundred seventy-three Zika virus disease cases have been reported to the U.S. Centers for Disease Control and Prevention (CDC). Three hundred sixty-seven of the cases were in returned travelers, four cases were acquired through sexual contact with a returned infected traveler, and two of the cases were believed to have been acquired from local transmission in Florida and Texas.

Five hundred ninety-five Zika virus disease cases have also been reported in residents of the US Territories (U.S. Virgin Island, Puerto Rico, and

American Samoa). These disease cases were acquired through local transmission.

As of December 5, 2017, there have been 96 chikungunya virus disease cases reported from twenty-three states. All the cases were travel related.

Through December 8, 2017, three hundred nineteen travel related dengue virus infections have been reported in U.S. residents.

Dr. Scott reported on adult biting fly activity. Eight carbon dioxide-baited traps were set during November.

Six traps were set in Anderson Marsh and collected biting black gnats, black flies, ceratopogonids (no-see-ums), and *Culiseta inornata* mosquitoes.

Two traps were set in Kelseyville and collected one black fly and one *Culiseta inornata*.

A culvert in North Lakeport was sampled on three dates in November. Nine mosquito species were collected.

The Highland Springs Dam spillway tunnel was sampled on three dates in November. Five mosquito species were collected.

During November New Jersey Light Traps were set near Borax Lake and in the Reclamation near Upper Lake. Nine species of mosquitoes were collected along with biting black gnats.

The New Jersey light trap (NJLT) set near Upper Lake was sampled only once due to electrical problems; it collected thirty female and one male *Culiseta inornata*.

The NJLT near Borax Lake collected *Culiseta inornata*, *Culex tarsalis*, and biting black gnats.

Dr. Scott reported on tick testing. Two *Ixodes pacificus* ticks that were removed from Lake County residents were submitted to the Sonoma County Public Health Laboratory for testing for *Borrelia burgdorferi*. One tick was negative and results are still pending for the most recently submitted tick.

Dr. Scott reported on Chaoboridae gnats. Clear Lake Gnat larvae numbers in the Upper Arm of Clear Lake decreased from 0.29 larvae per dredge in October to 0.07 larvae per dredge in November. Chironominae numbers decreased from 34.75 larvae per dredge in October to 18.29 larvae per dredge in November. Tanypodinae numbers decreased from 0.14 larvae per dredge in October to 0.04 larvae per dredge in November.

Operation Report

During November 3.61 inches of rain was recorded in the District's rain gauge.

On November 1, the level of Clear Lake was 2.25 feet on the Rumsey Gauge. By the end of November the lake level was 2.41 feet.

Septic tank inspections and treatments in the Valley Fire area continued in November. The first round of inspections in 2016 identified 118 septic tanks that required treatment. The most recent inspections found 81 tanks that still needed treating.

Repairs to the water-damaged floor in the Administration building utility closet were finished in November. A claim will be submitted to the Vector Control Joint Powers Agency, the District's insurance provider.

During November District technicians built workbenches for the workshop at Todd Road and painted the pesticide storage building so that it matches the steel building.

Vector Control Technician Sandi Courcier gave a presentation to the employees of the Napa County Mosquito Abatement District, Marin/Sonoma Mosquito and Vector Control District, and Solano County Mosquito Abatement District regarding mosquito control in fire-affected areas. Her presentation was well-received and she and Dr. Scott answered questions afterwards.

Vector Biologist Bonnie Ryan attended the Entomological Society of America annual conference in Denver, CO the week of November 5.

District field employees attended the Sacramento Valley Region's live continuing education program in Elk Grove on November 15.

Entomologist Cassie Urquhart attended a continuing education program in San Leandro on November 11.

Dr. Scott attended the Mosquito and Vector Control Association of California (MVCAC) Board of Directors and Committee meetings in Sacramento on November 1 and 2.

Dr. Scott attended the Kick-Off Meeting for the Pacific Southwest Regional Center of Excellence in Vector-Borne Diseases at UC Riverside. Dr. Scott attended the meeting in her capacity as MVCAC President.

Dr. Scott attended the annual MVCAC Planning and Board of Directors Meeting in Burlingame on November 29-30. Dr. Scott is the outgoing MVCAC President and sits on several committees.

Board Consideration of Applying Vector Control Joint Powers Agency (VCJPA) Retrospective Adjustment Refund to Future Program Year or Member Contingency Fund

After some discussion Mr. Spurr moved to authorize the District Manager to apply the retrospective adjustment refund to the District's Member Contingency Fund account. Mr. Leonard seconded the motion. Motion carried unanimously.

Approval of Checks for December 2017

Mr. Nagy moved to approve Check Nos. 17267-17319 for the month of December 2017 in the amount of \$47,742.02. Mr. Leonard seconded the motion. Motion carried unanimously.

Other Business

No other business was discussed.

Announcement of Next Board Meeting

The next regular meeting of the Board of Trustees of the Lake County Vector Control District will be at 1:30 P.M. on January 10, 2018 in the LCVCD Board Room, 410 Esplanade, Lakeport, CA 95453.

Mr. Nagy moved to adjourn the meeting. Mr. Spurr seconded the motion. There being no other business the meeting was adjourned by President Giambruno at 1:58 P.M.

Respectfully submitted,

Ronald Nagy
Secretary