



SHASTA MOSQUITO AND VECTOR CONTROL DISTRICT

September 17, 2019

District Office, 19200 Latona Road, Anderson, CA 96007

MINUTES OF THE REGULAR MEETING OF THE BOARD OF TRUSTEES

1. Call to Order: District Board President Mower called the meeting to order at 1:00 P.M.

Roll Call

Trustees Present: Larry Mower, President
Ben Hanna, Vice President
Michael McNamara, Secretary
Vickie Marler, Trustee
Ann Morningstar, Trustee

Trustees Absent: None

Others Present: Peter Bonkrude, District Manager
Darcy Buckalew, Administrative Office Manager
Guangye Hu, Assistant Manager
John Albright, Vector Ecologist

2. Pledge of Allegiance: The meeting opened with the Pledge of Allegiance. **Trustee Morningstar led the pledge.**
3. Approval of Agenda: **A motion was made by Vice President Hanna and seconded by Trustee Morningstar to unanimously approve the agenda.**
4. Public Comment: President Mower stated that this is the time for any person wishing to address the Board to do so.
5. Consent Calendar –
 - a) Minutes of the Regular Board Meeting held August 20, 2019.
 - b) August/September Payables in the amount of \$280,063.69. **A motion was made by Trustee Morningstar and seconded by Secretary McNamara and it was agreed to approve the consent calendar.**
6. Items Removed from the Consent Calendar –

7. Correspondence/Informational:

- a) Shasta Mosquito and Vector Control District Financial Reports at 8/31/19-The District Manager stated income and expenses are where we expected for August. We still have about a month that we will be receiving monies for the remaining of the 2018-19 fiscal year. We should have the remaining booked by next month and closed out for the 2018-19 FYE. Vice President Hanna asked if we are still looking like we will have a surplus. The District Manager stated we are looking to be about 5% over our target.
- b) CA Arbovirus Bulletin #23, Week of September 6, 2019- The District Manager stated that the Bulletin shows up to the week of September 6, 2019. The District Manager stated that this report period there are a total of 103 WNV positive birds from 16 counties and 2,815 WNV positive mosquito pools from 24 counties there are now 62 WNV positive humans in 13 counties as of this report date. A total of 224 St. Louis encephalitis virus (SLEV) positive pools from 9 counties. 81 seroconversions have been reported as of this date. The District Manager stated there was an incorrect WNV positive human reported here however after some research and calls we were able to correct the information. It was a good experience working with the new Health Officer at Shasta County. We are planning to have a strong working relationship with the new Health Officer. Both Placer and Sac-Yolo have found *Aedes aegypti*, this mosquito can spread dengue fever, chikungunya, Zika and other disease agents. Both districts are hoping they can eradicate this mosquito quickly. They have already started door to door as well as aerial larval and adult control to stop the breeding of this species. Secretary McNamara asked if they are using drones yet. The District Manager stated not yet. Some districts have tested and passed for drone license but still concerned about applications over urban areas.
- c) Board of Trustee terms and positions- The District Manager stated this is a useful print up so board members can see when their terms are up and the committees they are on. We will be presenting this to the board each year so they can keep up to date on their terms.
- d) CERBT Fund Balance 6-30-19- The District Manager stated this is the quarterly accounting to the District's Other Post-Employment Benefits totaling \$980,909.62, which is being held in the District's California Employers' Retirement Benefit Trust (CERBT).

8. Manager's Report – The District Manager stated this report period was filled with several new and continuing activities. Work has continued with the Strategic Plan and a draft version of the progress; currently the timeline will include bringing it to the board in October with anticipated implementation in November. We will most likely have 3-year plans and some 5-year plans. Trustee Marler asked what the differences of last strategic plan compared to this one. The District Manager stated that we had more of a workplan last time and there was less to translate but we were also using more of a structured plan. This time we opened it up to see if there was something we missed or didn't address the last time. After comparing the two it seems as if we came to similar focus items. There are pros and cons to each plan. Time was also spent finalizing plans for the 2020 MVCAC Annual Conference in San Diego. I was able to organize the program, secure almost all the symposia moderators and lock down the Plenary and Keynote speaker. I am optimistic that the program will be interesting and engaging. A large portion of effort was focused on the rollout of the new VeeMac data collection system. In August, the VeeMac team came onsite for a week of testing and then installing the software on the server and local machines. The testing team is made up of several District staff with different use profiles. To complement the testing iterations, I developed a program management sprint for the last few months of development that will hopefully focus and guide the implementation of the software; currently we are still slated for a 2020 switch over. Finally, I spent 2 days at the Sierra-Sacramento Valley EMS Agency receiving training on the roles

and responsibilities of the agencies involved in the MHOAC (Medical Health Operational Area Coordinator) facilitation. The first day was spent learning about the structure of NIMS and SEMS, the national and state incident command structures as well as communication within those management systems. The second day was more hands-on creating position roles, and eventually conducting a “table-top” exercise where a disaster was created with certain limitations and the participants had to function in their newly assigned roles. This training will help the District better understand their role in any potential future response effort.

9. Department Reports:

- a) Guangye Hu, Ph.D., Assistant Manager - Operations Report – The Assistant Manager stated during this report period, the Operations Department continued to focus on control of *Culex* mosquitoes and responded to two West Nile virus positive samples at separate locations. We also conducted follow-up catch basin inspections and treatment and trapped mosquitoes from storm drain structures. The District received 24 service requests from 3 communities: Redding had 83.3%, Anderson 12.5%, and I-5 North had 4.2%. The type of service requests received, 58.3% were for requesting mosquito fish, 20.8% for adult mosquito complaints, and 16.7% for mosquitofish & service requests (adult mosquitoes). The numbers of service requests were all declining rapidly during last two periods of each year after the peaks, but it was the lowest of the 4 years at the current report period in 2019. We made 7,650 inspections, of which Redding had the most (56.3%), followed by Anderson (22.6%), and Cottonwood (14.8%). The remaining 7 communities only had a total of 6.3%. A total of 725 treatments were made in 11 communities, in which Redding had 48.2%, Anderson 27.2%, Cottonwood 12.8%, and the rest 8 communities had only 11.8%. Among the targets treated, 89.3% were larviciding to control mosquito larvae and pupae, 10.2% were adulticiding to control adult mosquitoes, and 0.6% were herbiciding to control overgrown vegetation. Of the applications made, 47.4% were treated with Spinosad, 16.6% with microbial products, 11.6% with *Gambusia* (mosquito fish), 10.2% with Pyrethroid adulticide, 8.3% with Methoprene, and 5.9% with surface oil. Of the larval treatments made, 52.8% were treated with Spinosad, 18.4% with Microbials, 12.9% with mosquito fish (*Gambusia*), 9.2% with Methoprene, and 6.6% with Surface oil. In late August, we responded to the two mosquito samples (also called mosquito pools) in the northeast Redding area and in West Anderson by enhanced adulticiding and increased search effort for larval sources. We fogged the areas 2-3 nights and sent a team of staff with fresh eyes (those who don't routinely patrol the areas) to each location to search for and treat mosquito sources.
- b) John Albright, Vector Ecologist – Vector Ecology Report –The Vector Ecologist stated generally this summer adult mosquito populations have been low compared to 5-year seasonal averages. However, during this report period adult mosquito populations as measured by the District's New Jersey-style light traps and 64 CO2-baited encephalitis virus surveillance (EVS) traps rose somewhat to be at or slightly above normal. It is likely that relatively low summer temperatures had previously kept mosquito populations low this summer, but recent weeks have had a lot of days above the century mark, which speeds up mosquito reproduction. It is expected that temperatures within the District should drop dramatically in the months of September and October, which should lead to dramatically lower mosquito numbers by the time of the October Board meeting. During this report period 139 samples of from 12 to 50 mosquitoes each were submitted UC Davis to be tested for the presence of mosquito-borne viruses. This brings the total number of samples submitted in 2019 to 385. A sample of 20 *Culex pipiens* mosquitoes and another sample of 14 *Culex tarsalis* mosquitoes, both caught on August 20 from Anderson and Bella Vista respectively were found positive for WNV. This brings the total number of WNV positive mosquito samples to three for 2019. So far in 2019, the only detections of mosquito-borne viruses within the District have been West Nile virus (WNV) positive mosquito samples from EVS traps. No sentinel chicken blood samples have been positive for mosquito-borne virus antibodies and no dead birds suitable for testing for

WNV have been reported to the District so far in 2019. The Vector Ecologist and Assistant Vector Ecologist ran bottle bioassays to test the efficacy of three Adult mosquito control active ingredients used by the District on *Culex pipiens* mosquitoes from two locations in north Anderson on September 5 and 6. More information will be given to the Board about this at a future meeting. Trustee Marler stated it seems as if there is less WNV positives for us than in years past. The District Manager stated that the Sacramento Valley is seeing later positives over the years. Southern California and the desert areas saw so many early positives it was almost a perfect storm for them. The Vector Ecologist stated several years our positives have been low. We have also had fewer positive birds but that could be the possibility that they are becoming resistance the WNV since it's been around awhile. However just because we have low years this does not mean that it is gone it is still very much here.

10. Committee Reports

- a) Executive – no report
- b) Financial – no report
- c) Personnel Committee- no report

11. Old Business:

12. New Business:

- a) Discussion and/or approval authorizing the withdrawal and wire transfer of Shasta Mosquito and Vector Control District monies from the Shasta County Treasury in an amount of \$400,000 to be deposited into the District's Wells Fargo Banking account, to be transferred by the end of September. The District Manager stated when the District created the new financial accounting system monies were transferred to the District's Wells Fargo banking account to pay for payroll, accounts payable and other District warrants for payment. At least quarterly, the District will replenish the Wells Fargo account from the Shasta County Treasury. This will be the second transfer of the 2019-2020 fiscal year. The balance in our Wells Fargo account as of 9/10/2019 is \$435,415 and our non-reserve balance in our Shasta County Treasury is \$580,549 as of 8/31/2019. **A motion was made by Trustee Marler and seconded by Vice President Hanna it was agreed unanimously to approve authorizing the withdrawal and wire transfer of Shasta Mosquito and Vector Control District monies from the Shasta County Treasury in an amount of \$400,000 to be deposited into the District's Wells Fargo Banking account, to be transferred by the end of September.**
- b) Discussion and/or approval for (2) District representatives to attend a GIS training at the University of California- Davis, CA October 7th, 2019 at a cost not to exceed \$325 per person from the following accounts: #35949- Meals, #35950-Lodging and #35942-Training. The District Manager stated Dr. Chris Barker has organized a workshop facilitated by Kurt Menke from www.birdseyeviewgis.com. Kurt Menke is a geospatial generalist based out of Albuquerque, New Mexico, USA. His areas of focus are public health, conservation and education. Kurt Menke has a broad skillset. He is a spatial analyst, cartographer, web map developer, trainer/teacher and author. The draft agenda is attached- although it has since been compressed to a single day workshop. Staff recommendation is to approve (2) District representatives to attend a GIS training at the University of California-Davis, CA October 7th, 2019 at cost not to exceed \$325 per person. There are still details to be worked out by the organizer and should have a better agenda in the next few weeks. **A motion was made by Secretary McNamara and Seconded by Trustee Marler and it was agreed unanimously to approve (2) District representatives to attend a GIS training at the University of California- Davis, CA October 7th, 2019 at a cost not to exceed \$325 per person from the following accounts: #35949- Meals, #35950-Lodging and #35942-Training.**

- c) Discussion and/or approval for up to four (4) District representatives to attend the January 26-29th, 2020: MVCAC Annual Conference and Exhibitor Showcase (San Diego, CA) at a cost not to exceed \$1,900 per attendee for up to four attendees from accounts #35941 Travel Mileage, #35900 Travel, #35949 Meals, #35943 Conferences and #35950 Lodging. The District Manager stated the MVCAC annual conference will include presentations on current research and results, poster displays, legislative and regulatory information, as well as opportunities to exchange information with other professionals who engage in efforts that protect public health through mosquito and vector control. MVCAC will also host the exhibitor showcase, featuring sustaining members and other industry vendors. A diverse group of vendors will be onsite to discuss the needs of the districts. We are currently budgeted to send up to 4 District representatives, Board or Staff. Secretary McNamara asked who the keynote speaker was. The District Manager stated he was able to book Bart Knols out of the Netherlands. His research in field operations and looking at old technologies in today's world should be interesting. **A motion was made by Trustee Marler and Seconded by Trustee Morningstar and it was agreed unanimously to approve up to four (4) District representatives to attend the January 26-29th, 2020: MVCAC Annual Conference and Exhibitor Showcase (San Diego, CA) at a cost not to exceed \$1,900 per attendee for up to four attendees from accounts #35941 Travel Mileage, #35900 Travel, #35949 Meals, #35943 Conferences and #35950 Lodging.**
- d) Discussion and/or approval for the District Manager to attend the MVCAC Planning Session December 2-4th, 2019 in Burlingame, CA at a cost not to exceed \$675 from the following accounts: #35949- Meals and #35950-Lodging. The District Manager stated the MVCAC will hold its annual planning session in Burlingame, CA December 2-4th, 2019. The attendees of the MVCAC Planning Session will discuss tasks and goals for the upcoming year for the MVCAC as a whole and for individual committees. The District Manager serves as the MVCAC President (2020) on the IT Committee and on the Regulatory Affairs Committee. **A motion was made by Vice President Hanna and seconded by Secretary McNamara and it was agreed unanimously to approve the District Manager to attend the MVCAC Planning Session December 2-4th, 2019 in Burlingame, CA at a cost not to exceed \$675 from the following accounts: #35949- Meals and #35950-Lodging.**

13. Trustee Comments, Requests for Future Agendas Items and/ or Staff Actions: *The Board may not legally take action on any item presented at this time other than to direct staff to investigate a complaint or place an item on a future agenda unless (1) by a majority vote, the Board determines that an emergency situation exists, as defined by Government Code Section 54956.5, or (2) by a two-thirds vote, the board determines that the need for action arose subsequent to the agenda being posted as required by Government Code Section 54954.2(a).*

14. ADJOURNMENT –

Upcoming Events and SMVCD Office Schedule:

- September 17, 2019 SMVCD Regular Board of Trustees Meeting (SMVCD Boardroom)
- September 25-28 CSDA Annual Conference Anaheim, CA.
- October 15, 2019 SMVCD Regular Board of Trustees Meeting (SMVCD Boardroom)

Upcoming Training:

- **Available anytime: web-based, required (every 2 years) Ethics Compliance Training – AB1234 - Paste the following link into browser: <http://fppc.gov/index.php?id=477>. Once you have completed this course, be sure to print out your certificate of completion and bring a copy to the office for our files.**

The Board meeting was adjourned at 1:50 p.m.

MINUTES APPROVED: _____
