

**MARIN COUNTY**  
**WEST NILE VIRUS TASK FORCE MEETING**

**MINUTES**

**Monday, June 21, 2010**  
**10:30 AM – 12:00 PM**

**899 Northgate Drive, Suite 104 Conference Room**  
**San Rafael, CA 94903**

*Attendees: Fred Schwartz MD (Chair), Lisa Gelling, Bobbi Kimball, Marty Castro, Ron Keith, Rebecca Ng, Lynn Murrin, Adam Craig, Stacy Carlsen, Loretta Rogers (Secretary), Members of the Public: Ginger Souders-Mason (Retired Medical Technician)*

*Handouts: Agenda, WNV 2010 Epidemiology Update, Letter to Editor of The West Marin Citizen from the West Marin Mosquito Control Coordinating Council which was published on June 17, 2010, Minutes of August 17, 2009 WNVTF meeting*

Agenda Item	Discussion	Action
Welcome and Introductions	<b>Fred Schwartz</b> opened the meeting and welcomed all attendees. Then, all attendees introduced themselves.	None.
WNV Epidemiology Update	<p><b>Lisa Gelling</b> distributed the WNV Surveillance Update handout and reported the following:</p> <ul style="list-style-type: none"> <li>• <u>Second slide</u>: This slide shows the distribution of WNV activity nationally in 2009, with the number of human cases provided for each state. There were a total of 720 cases of human disease reported to the CDC in 2009.</li> <li>• <u>Third slide</u>: This slide provides a map depicting the national distribution of human neuroinvasive disease incidence in 2009.</li> <li>• <u>Fourth slide</u>: This slide shows the national distribution of presumptively viremic blood donors (PVD's) reported to the CDC's ArboNET surveillance program through state and local health</li> </ul>	None.

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	<p>departments in 2009. There were a total of 116 PVD's reported in 2009.</p> <ul style="list-style-type: none"> <li>• <u>Fifth Slide</u>: This slide provides national cumulative WNV activity data for 2010, as of 6/15/10. It shows nationally there have been 37 positive mosquito pools, 26 positive dead birds, 40 positive sentinel chickens and 1 human case in Mississippi reported in February.</li> <li>• <u>Sixth Slide</u>: This slide provides cumulative human disease cases in California by County in 2009. Last year, 112 human cases from 19 counties were reported.</li> <li>• <u>Seventh Slide</u>: This slide compares reported WNV activity in California year by year 2003 to 2009. The figures represent lab-confirmed results reported to CDPH.</li> <li>• <u>Eighth Slide</u>: This slide shows human WNV activity in California from 2004 to 2009, broken out by Asymptomatic infections, WN fever, WN neuroinvasive disease, WNV-related Fatalities and Other/Unknown. Most WNV infections are mild and thus go undetected. Overall activity in 2009 declined substantially over that documented for 2008.</li> <li>• <u>Ninth Slide</u>: This slide shows WNV activity in California counties, 2010 YTD. No horses, squirrels or sentinel chickens have yet tested positive for WNV in 2010. As of June 16<sup>th</sup>, no humans cases have been identified in California. At this time last year, there were 48 positive dead birds reported in 10 counties and one positive squirrel. Chronic infections are not used in county totals for 2010. However, year-to-date totals from last year and previous years include both recent and chronic infections.</li> <li>• <u>Tenth Slide</u>: This slide shows WNV activity in Marin County from 2004 to 2009. There has been no WNV activity detected in Marin County since 2008.</li> </ul> <p><b>Marty Castro</b> pointed out that up until 2009, the only results reported for dead birds were positive or negative. Starting in 2010, only high level or “acute” infections were counted as positive. Low level infections, deemed “chronic,” were not. Also, fewer birds are being submitted and it varies by county which birds are being tested or if any birds at all are being tested.</p>	

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<p>Approval of Minutes of the August 17, 2009 WNVTF Meeting</p>	<p><b>Fred Schwartz</b> introduced the minutes of the August 17, 2009 meeting which had been emailed to all WNV Task Force members, asking if any changes need to be made. The attendees reviewed the minutes.</p> <p>Ron Keith asked that the first sentence of the first bullet point reporting his remarks on page 4 read, “The MSMVCD is experimenting with materials used for adult mosquito control that <b>do not</b> contain piperonyl butoxide (PBO).” Loretta Rogers will add the words “do not” to this sentence in the minutes, as requested.</p> <p>The minutes were unanimously approved with the one change Ron Keith requested.</p>	<p>The minutes of the August 17, 2009 meeting were approved unanimously with one minor change requested by Ron Keith.</p>
<p>MSMVCD Update</p>	<p><b>Ron Keith</b> reported that Marin has had exceptional rain this year which has resulted in a lot of standing water. MSMVCD has treated thousands of acres of salt march and pasture land for various species of mosquito. The three major vectors for WNV are <i>culex tarsalis</i>, <i>culex stigmatosoma</i> and <i>culex eurythorax</i>. We saw an early arrival of <i>culex tarsalis</i> in February; it over-winters as inseminated females. Once longer day lengths and warmer temperatures arrive, then population growth begins. MSMVCD is knocking down those populations.</p> <p>MSMVCD has also been treating thousands of acres of marshlands for a biting mosquito that is very aggressive but is not a vector for WNV.</p> <p>To date, MSMVCD lab has tested 182 pools or groups of mosquitoes for WNV and they were all negative.</p> <p>This is the second year MSMVCD is not collecting dead birds for the State’s program although we encourage the public to submit dead bird reports to the State through MSMVCD advertising. MSMVCD is concentrating all its efforts on processing pools.</p> <p>MSMVCD maintains its sentinel chicken flocks. There are five flocks this year and there have been no positives so far.</p> <p>Marin had 13 dead birds reported so far and Sonoma has had 17. None were positive. The majority of the birds were American crows.</p>	<p>None.</p>
<p>Late Breakers / Roundtable</p>	<p><b>Lynn Murrin</b> reported that the lab has received a blood sample from a 20-year-old male. The initial test was positive for WNV. About two</p>	<p>None.</p>

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	<p>weeks ago, the sample was sent to the State for further testing and confirmation. So far, no result has been received from the State. This specimen is the first and only WNV sample the lab has received this year.</p>	
<p>Late Breakers / Roundtable</p>	<p><b>Bobbi Kimball</b> reported that the West Marin Mosquito Control Coordinating Council met last month and agreed to promote the same mosquito control strategies to the public as last year. A letter to the editor was sent to the <i>West Marin Citizen</i>, publicizing these strategies. In particular, citizens who have installed rainwater catchment systems due to three years of drought, are urged to assure that their tanks / containers are sealed and screened. BT “dunks” can be used if the rainwater is destined for irrigation only.</p> <p>Also the public is being told that only the MSMVCD is distributing moquitofish, a natural mosquito predator, after a review of the release site to assure that this exotic fish is not released into natural waterways. Bobbi Kimball distributed a copy of the letter to the editor to all participants.</p>	<p>None.</p>
<p>Questions / Comments from the Public</p>	<p><b>Ginger Souders-Mason:</b> Have there been any horses which have tested positive for WNV so far this year?  <b>Fred Schwartz:</b> No. Statewide, there were 18 horses in 2009 which tested positive, and none so far this year in Marin or California.</p>	<p>None.</p>
<p>Next Meeting</p>	<p>After brief discussion, it was agreed that the next WNVTF meeting will be held on Monday, August 16, 2010, from 10:30 am to 12:00 noon at 899 Northgate Drive, Suite 104 conference room, San Rafael, CA 94903. This meeting will be open to the public.</p>	<p>None.</p>
<p>Adjournment</p>	<p><i>The next WNVTF meeting is scheduled for August 16, 2010. Dr. Fred Schwartz or designee will chair the meeting.</i></p>	<p>Adjourned.</p>