

Jefferson County Department of Health and Environment (JCDHE)
West Nile Virus (WNV) and Zoonoses
Newsletter # 9
August 6, 2008

NOTE: The first human case of WNV and first WNV positive mosquito pool for 2008 were confirmed this last week in Jefferson County.

WNV NATIONAL

The August 5, 2008 update from CDC and USGS (for states other than Colorado) has posted 100 human cases of WNV: 1 from Alabama, 2 from Arizona (1 fatal), 2 from Arkansas, 29 from California, 1 from Connecticut, 3 from Idaho, 2 from Louisiana, 3 from Minnesota, 17 from Mississippi (1 fatal), 4 from Missouri, 2 from Nebraska, 1 from Nevada, 6 from North Dakota, 1 from Ohio, 5 from Oklahoma, 1 from Pennsylvania, 7 from South Dakota, 1 from Tennessee, 8 from Texas, 2 from Utah, 1 from West Virginia, and 1 from Wyoming.

For updates visit their websites at

<http://www.cdc.gov/ncidod/dvbid/westnile/Mapsactivity/surv&control07Maps.htm>

http://diseasemaps.usgs.gov/wnv_us_human.html

WNV COLORADO

The August 5, 2008 update from the Colorado Department of Public Health and Environment (CDPHE) has posted 15 confirmed cases of human WNV (with no fatalities) from the following counties: Boulder (4), Jefferson (1), Larimer (4), Logan (1), Otero (2), and Weld (3). This case count is lower than that of the 2007 season, during which time 41 cases had been confirmed by August 6th. The 2007 season was the second most active year in Colorado with 576 confirmed cases.

Colorado Counties have submitted over 1700 mosquito pools. There have been 12 positive mosquito pools from the counties of: Jefferson (1), Larimer (3), Logan (1), Morgan (2), Prowers (3), and Weld (2). By August 6th of last year, 4107 mosquito pools had been submitted with 246 of those testing positive for WNV.

To date the CDPHE laboratory has tested 22 dead birds with none of them positive for WNV.

Historically the majority of WNV human cases are reported in August and September with exposures from first of July to middle of August. Because of the current low human case count and low Culex population densities with minimal detections of circulating virus this season it shaping up to be one of the quieter WNV seasons.

For updates visit the CDPHE website at

<http://www.cdphe.state.co.us/dc/Zoonosis/wnv/index.html>

WNV JEFFERSON COUNTY

Mosquito Surveillance: Mosquito trapping this past week yielded a total of 982 mosquitoes with 341 being Culex mosquitoes. Ottertail Environmental submitted 4 pools of Culex mosquitoes to the state lab for WNV testing during this past week. The highest numbers of Culex were caught at Fossil Trace Golf Course in Golden (158) using the sum of 3 trap nights and Arvada/Blunn Reservoir in Arvada (50) using the sum of 3 trap nights.

Jefferson County had its first positive mosquito pool from mosquitoes trapped during the week of July 22nd. CDPHE protocol required the combining of mosquitoes from 5 sentinel traps located throughout the county until the first positive test is recorded. JCDHE will begin to submit the mosquitoes trapped from these locations individually to help narrow down the areas that may have positive Culex WNV mosquitoes.

Mosquito Control: During the past week Ottertail Environmental, Inc. conducted 480 larval habitat site inspections and control. Out of these inspections, 123 sites were treated.

EVERYONE SHOULD CONTINUE TO:

- **Always use repellent for ALL outdoor activities. Use DEET, Picaridin or Oil of Lemon Eucalyptus, (according to labeled instructions).**
- Wear long sleeves and pants when outdoors at **DAWN** and **DUSK**.
- **DRAIN** and **EMPTY** all containers in their yard because you can be bitten by WNV carrying mosquitoes in your own yards.
- Check your home to make sure all windows and doors have screens and are in good condition. This will reduce the chance of mosquitoes and bats gaining entry into your home.
- For additional information on repellents and how to protect you and your family around the home go to <http://health.jeffco.us> and go to the WNV page.

Mosquito Complaint Hotline:

Ottertail Environmental operates a toll free telephone line for citizen reports and concerns, that number is 1-888-774-2161 and locally the local number is 303 273-2878.

RABIES IN JEFFERSON COUNTY

JCDHE has tested a total of 26 animals for rabies so far in 2008 with 10 of those being bats. JCDHE has had one positive bat for rabies from 7/7/2008 and the rest of the tests were negative.

For More Information on WNV and other Zoonoses visit our web site at:

http://www.jefferson.co.us/ext/dpt/health/home_ehs.htm,
call 303 239 7075 or contact dvolkel@jeffco.us or jdale@jeffco.us