

Jefferson County Department of Health and Environment (JCDHE)
West Nile Virus (WNV) and Zoonoses
Newsletter # 8
August 2, 2007

WNV NATIONAL

Outside of Colorado, CDC and USGS posted 175 human cases of WNV: 4 from Alabama (1 death), 7 from Arizona, 1 from Arkansas, 42 from California (2 deaths), 8 from Idaho, 3 from Illinois, 2 from Iowa, 3 from Kansas, 4 from Minnesota, 13 from Mississippi (1 death), 2 from Missouri, 12 from Nebraska, 1 from Nevada, 2 from New Mexico, 14 from North Dakota, 1 from Ohio, 38 from South Dakota (1 death), 6 from Texas, 2 from Utah, 1 from Virginia, 9 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 CDPHE has reported a total of 23 human cases from: Adams (1), Boulder (8), Cheyenne (2), Douglas (1), Huerfano (1), Larimer (3), Logan (1), Mesa (1), Otero (1) Pueblo (1), and Weld (3) counties: nineteen with fever, 3 with Meningitis, and 1 with Encephalitis.

There have been 231 positive mosquito pools from the counties of Adams (9), Arapahoe (2), Boulder (26), Delta (4), Denver (5), El Paso (3), Fremont (1), Garfield (1), Jefferson (2), Larimer (112), Las Animas (1), Logan (10), Mesa (2), Otero (5), Prowers (9), Pueblo (9) and Weld (30).

To date the CDPHE laboratory has tested 69 dead birds with positive birds from Arapahoe (2), Boulder (2), Douglas (1), El Paso (1), Larimer (7) and Weld (7). For WNV updates from CDPHE visit their 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 1,452 mosquitoes with 827 being Culex mosquitoes. Ottertail Environmental submitted 11 pools of Culex mosquitoes to the state lab for WNV testing during this past week bringing the total number submitted to 58. The highest numbers of Culex were caught at Fossil Trace in Golden (267) and Arvada-Blunn Reservoir in Arvada (287) – these numbers represent the sum of the mosquitoes collected from three trap nights at these locations. One mosquito pool submitted this past week tested positive for WNV. The positive sample was a pool of 65 mosquitoes from Arvada-Blunn Reservoir in Arvada.

Mosquito Control: Our integrated mosquito control contractor, Ottertail Environmental, identifies, monitors, and inspects "mosquito breeding sites" throughout the county. During the past week Ottertail conducted 602 larval habitat site inspections. Out of these inspections, 153 sites were treated for Culex larvae and 9 sites were found breeding non-Culex mosquitoes.

Adulticiding in Colorado:

The increased WNV activity north of Jefferson County in Boulder, Larimer and Weld Counties has led to adulticiding – spraying to control adult mosquitoes. The increased numbers of mosquitoes with WNV and increasing WNV in birds has raised concerns in those counties. High rates of WNV infected mosquitoes along with WNV in birds are typically seen in advance of human cases as is outlined in CDPHE guidelines. Jefferson County is fortunate to have had only two positive mosquito pools in the county thus far but everyone should still taking precautions when outdoors. We believe the efforts of our contractor, OtterTail Environmental, the cities and the actions of our citizens are contributing to the low level of WNV currently experienced in Jefferson County.

EVERYONE SHOULD REMEMBER:

- **Always use repellent for ALL outdoor activities. Use DEET or one of the two new EPA approved repellants, Picaridin or Oil of Lemon Eucalyptus, (according to labeled instructions).**
- Wear long sleeves and pants when outdoors at dawn and dusk.
- Citizens should **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.

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 52 animals for rabies with 21 of those being bats and all test results have been negative. **Please note;** at this time in 2006 JCDHE has submitted 64 animals for rabies with 36 being bats and 12 bats were positive for rabies.

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

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