



National Park Service
U.S. Department of the Interior

Grand Canyon National Park

PO Box 129
Grand Canyon, AZ 86023

928 638-7779 phone
928 638-7609 fax

Grand Canyon News Release

Contact(s): Maureen Oltrogge
Phone number: 928-638-7779
Date: November 16, 2007

Plague confirmed as cause of death of National Park Service employee at Grand Canyon National Park

Grand Canyon, Ariz. – Tests from the Centers for Disease Control and Prevention (CDC) have confirmed plague as the cause of death of 37-year-old wildlife biologist Eric York.

York, who worked at Grand Canyon National Park, was found deceased in his residence on the South Rim on November 2, 2007.

Last week the National Park Service announced that plague was the probable cause of his death based on preliminary laboratory tests conducted by the Arizona Department of Health Services (ADHS) and the CDC.

Additional CDC tests have also determined that the strain of plague that infected Eric is the same strain of plague that infected a mountain lion that Eric had direct and recent contact with. These tests support other evidence that the mountain lion was the source for Eric's infection.

Plague is a rare, but sometimes fatal, disease caused by the bacterium *Yersinia pestis*. It is primarily a disease of animals, but it can be transmitted to humans through the bites of rodent fleas or by direct contact with infected animals. In rare cases, pneumonic plague can spread person to person through aerosolized respiratory droplets (e.g. coughing, sneezing). According to the CDC, transmission of plague from person to person has not been observed in the United States since 1924.

Plague is considered endemic in northern Arizona at elevations above 4,500 feet. While an average of one or two human cases of plague are reported each year in Arizona, there were no

EXPERIENCE YOUR AMERICA

The National Park Service cares for special places saved by the American people so that all may experience our heritage.

human cases reported from 2001 through 2006 in the state. Increased plague activity in Arizona was reported in 2007 to public health officials:

- one human case, who survived, was reported in Apache County,
- prairie dog colony die-offs in two separate neighborhoods in Flagstaff (Coconino County) were confirmed to be from plague, and
- a domestic pet cat from north of Prescott (Yavapai County) was also documented as infected with plague.

York had direct contact with both wild rodents and mountain lions, which put him at a higher risk for plague than other park staff and the general public. Persons living, working, or visiting areas where plague is known to be present can take the following precautions to reduce their risk of exposure:

- **Do not** handle sick or dead animals.
- Prevent pets from roaming loose.
- **Control fleas** on pets with flea collars or flea sprays routinely.
- **Avoid exposure** to rodent burrows and fleas and wild animals.
- **Use insect repellent** when visiting or working in areas where plague might be active or rodents might be present.
- **Wear rubber gloves** when cleaning or skinning wild animals.
- Domestic cats are susceptible to plague. Cat owners should take their ill cats to a veterinarian for evaluation.

The NPS is collaborating with its public health partners to assess the risk for plague and other zoonotic diseases at Grand Canyon National Park. Public health officials from the NPS, the CDC, ADHS and the Coconino County Health Department have all been instrumental in this incident.

For more information on plague and for tips on prevention, please visit the CDC Web site at <http://www.cdc.gov/ncidod/dvbid/plague/index.htm>.

-NPS-