USGS
science for a changing world

Free Public Lecture:

Toxic Mercury in Aquatic Ecosystems

Why Quality Trumps Quantity

By Mark Marvin-DiPasquale, Microbial Ecologist

- Different mercury sources generate different forms of mercury with different environmental consequences
- Learn how mercury is transported and transformed in air and water, and how it ultimately accumulates as toxic methylmercury in wildlife and humans
- How do mercury-methylating bacteria react with "new" mercury from atmospheric deposition and with "old" mercury from remobilized sediments?
- Why are fish in Florida's Everglades as contaminated with mercury as those in San Francisco Bay, even though total mercury inputs are *much* higher in the Bay?
- How do differences in landscape and vegetation type affect mercury cycling and bioaccumulation pathways?

Thursday, September 29, 2005, 7 p.m.
USGS, Building Three, Menlo Park, CA

See other side for USGS site map.
For information on USGS public events, call (650) 329-5000 or visit our website at http://online.wr.usgs.gov/calendar/
U.S. Department of the Interior • U.S. Geological Survey • Western Region Center