

**MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAKE OF THE OZARKS WATER QUALITY INITIATIVE REPORT*
December 2009**

- **78 samples were collected beginning October 12 ending October 21, 2009 to establish a baseline. Analysis was done according to EPA standards.**
- **The study began at Bagnell Dam and progressed towards Truman Dam. The main channel, major tributaries and other coves and smaller tributaries were included.**
- **Only two samples of the 78 exceeded the EPA standards for E. coli. The one located in the upper area of the Grand Glaize Arm was taken at the State owned Public Beach #1. This is a State owned camp ground with a dump station and camp sites. This facility was recently cited by the DNR for non-compliance.**
- **The site on the Little Niangua Arm is located near the Big Island, and is 14.5 miles upstream from Tan-Tar-A.**
- **The following ranked below the EPA and Missouri Water quality standards:

Volatile Organic Analyte, Petroleum Fraction, Pesticides, Chloride (normal), pH (normal), Non-Filterable Residue, Turbidity, Temperature (normal), Dissolved Oxygen (adequate for aquatic life), and Specific Conductivity (no areas of concern).**
- **Nitrogen and Phosphorus had higher concentrations closer to Truman Dam and lower near Bagnell Dam.**
- **State owned Public Beach #2 was closed several times in 2009; it was determined that a large number of geese were on the beach and the area was reopened when the geese had been removed.**

***For more information go to www.dnr.mo.gov/loz.htm#initiative**