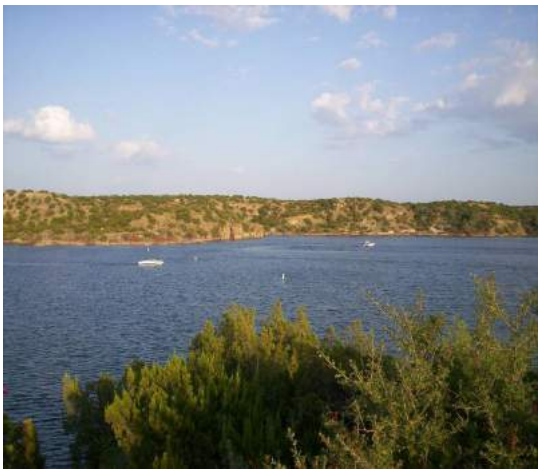
TEXAS TECH UNIVERSITY
Climate Science Center™

CSC Weekly News - 11/08/16

Water Quality

Is the climate affecting Texas reservoirs? Rodica Gelca, member of the Climate Science Center, was the lead author on a study looking at climate-water quality relationships in Texas reservoirs. Her team observed trends in air temperature, precipitation, and water quality from data records from 1960-2010. The results showed that water temperature, dissolved oxygen, pH, specific conductance, chloride, sulfate, and phosphorus all showed correlations with atmospheric predictors such as high and low temperatures, dry days, heavy precipitation. Their findings concluded that climate variability had an affect on water temperature, dissolved oxygen, and many water quality parameters. Climate change is expected to continue and will bring risk to water quality in Texas reservoirs. **LEARN MORE**



Video Of The Week

Elizabeth Roesler is a Ph.D. student in the Department of Natural Resources Management working with Dr. Matthew Barnes. Her research topic includes species distribution models of dwarf seahorses and other pipefishes in the Texas coast along the Gulf of Mexico. The goal of her research is to assess the distribution and habitats and identify threats and factors that drive these distributions. Her team's objective is to produce predictive models that will improve understanding of seahorse habitat and contribute to the preservation of these species. **WATCH NOW**