Pulaski County Recreational Water Monitoring

Bacterial monitoring is a method to determine the potential health risk of water exposure. Bacteria are single celled organisms that can be found in virtually any environment. Bacterial indicators of pollution are found in the intestines of warm blooded animals, including humans, where many pathogens originate. Indicator bacteria in a waterway come from many sources, including animal droppings, faulty or leaking sewage systems, stormwater runoff and sediments.

Criteria: Environmental Protection Agency's (EPA) established water quality criteria for monitoring bacteria, which states no single water sample should have an E. coli count that exceeds 235 CFU's (colony forming units) per 100 mL of water.

Pulaski County Health Center (PCHC) will not be monitoring in raised water level conditions. PCHC is conducting sampling in order to inform citizens of recreational water conditions. The information given will allow citizens to make informed decisions on when they feel water conditions are favorable for bodily contact and recreational activity. PCHC will be sampling from eight (8) different locations within Pulaski County to gain a good perspective of overall water quality.

Date of Collection: April 6/7/2016

Sample Sights	GPS Coordinates	E. coli MPN	Weather	Notes
Riddle Bridge	37° 54' 24" N 92° 7' 57" W	77.6	Sunny	Murky Water
Veterans Bridge	37° 53' 33" N 92° 4' 52" W	67.6	Sunny	Murky Water
Schlicht's Mill	37° 54' 13" N 92° 17' 4" W	27.9	Sunny	Swimmers on boat ramp
Hwy 7 Bridge	37° 48' 5" N 92° 20' 3" W	41.4	Sunny	Murky Water
Hwy 133 Bridge	37° 48' 0" N 92° 24' 3" W	38.9	Sunny	Murky Water
Piney Harbough Rt 66	37° 50' 60" N 92° 4' 20" W	461.1	Sunny	High number due to high water level
Roubideoux Park	37° 49' 56" N 92° 12' 21" W	59.4	Sunny	
Ross Bridge	37° 39' 50" N 92° 3' 6" W	N/A	N/A	N/A