Sample Period Times Sampling Sites											F				
Sample Period V				Visited	Sar		lites				2	-			
November 2017 – July 2018					4 8						Site	08			
	Location McCurtain Cou			ounty	ınty						Site 07	- Contract			
	Impoundment 1970										37	Site 06			
	Area 14,200 acres								Site 03						
				e-feet ol, Hydropower, Water Supply, Fish & Wildlife					0 Miles	4	Site 01	Site 02			
		Parameter (Descriptions)			Result				Notes/Comments						
		Average Turbidity		3 NTU	3 NTU				0% of values > OWQS of 25 NTU						
		Average Secchi Disk Depth		200 cm	200 cm										
	Situ	Water Clarity Rating		Excelle	Excellent										
	ln S	Chlorophyll-a		4.44 m	4.44 mg/m3										
		Trophic State Index		45	45				Previous value = 46						
		Trophic Class		Mesotr	Mesotrophic										
		Salinity		0.01 –	0.01 – 0.02 ppt										
	6	Specific Conductivity		30.4 -	30.4 – 87.4 µS/cm										
	Profile	рН		4.44 -	4.44 – 7.58 pH units				65% of values < 6.5 pH units						
	ā	Oxidation-Reduction Potential		126.4 -	126.4 – 376.7 mV										
		Dissolved Oxygen			Up to 72% of water column < 2.0 mg/L in the summer										
	ıts	Surface Total Nitrogen		0.14 m	0.14 mg/L to 0.46 mg/L										
	Nutrient	Surface Total Phosphorus		0.010 n	0.010 mg/L to 0.031 mg/L										
	NN	Nitrogen to Phosphorus Ratio		22:1	22:1				Phosphorus limited						
		<u>Click to learn m</u> Beneficial Uses		Turbidity	Hd	Dissolved Oxygen	Metals	TSI	True Color	Sulfates	Chlorides	Total Dissolved Solids	En & E. coli		
	Fish & Wildlife Propagation Aesthetics Agriculture			S	NS*	NS	S								
								S	*						
										S	S	S			
Beneticial Uses	Prir	mary Body Contac										S			
	S	blic & Private Wate S = Fully Supporting IS = Not Supporting IEI = Not Enough Int	soluble	*Slightly acidic conditions are not unusual in this part of the state due to relatively low soil pH and lack of soluble bedrock. *Standards revision, true color is for permitting purposes only.											

Sampling and Assessment by the Oklahoma Water Resources Board – 3800 Classen Blvd, Oklahoma City, OK, 73118 – 405.530.8800 – http://www.owrb.ok.gov