

Lake Wappapello



Butler and Wayne County
 Latitude: 37.4532 Longitude: -93.7773

2009 DATA

Date	SITE 1	5/12	6/11	SITE 2	5/12	6/11	SITE 3	5/12	6/10
Secchi (inches)		58	58		64	38			
TP (µg/L)		26	24		25	27		28	43
TN (µg/L)		310	280		310	290		360	430
CHL (µg/L)		9.4	13.1		15.7	15.8		3.4	5.6
ISS (mg/L)		1.6	2.2		2.4	4.1		6.2	23.0

SITE 1: 6/11/2009
 Bottom N: 310
 Bottom P: 31
 Bottom ISS: 1.8

SITE 2: 6/11/2009
 Bottom N:470
 Bottom P:43
 Bottom ISS:5.5



Lake Wappapello
 Sample Sites

Three locations at Lake Wappapello were sampled twice in 2009, once in May and again in June. Sites 1 and 2 were additionally sampled near the bottom using a vertical sampling device in an attempt to determine if the lake mixes throughout the summer. Not enough data were collected to make a determination of the lake's thermal stability.

The samples collected show water quality was stable in May and June at the dam (Site 1). Site 2 water clarity differed by 2 feet, while other parameters were comparable. At Site 3, June showed a nearly 4-fold increase in suspended sediments compared to May. Values for both dates were otherwise similar at Site 3.

Only one sample falls within the May 15-September 15 window, so no trend data are shown.

2009 GRAPHS

TREND GRAPHS

See pages 10-11 for help interpreting graphs