GPR SUITABILITY MAP - ARKANSAS

KS
MO
KY
OK
TN
AR
MS
TX
LA

Benton
Boone
Marion
Baxter
Fulton
Clay
Randolph
Greene
Washington
Fayetteville
Madison
Newton
Searcy
Stone
Izard
Sharp
Lawrence
Craighead
Mississippi
Independence
Crawford
Johnson
Van Buren
Cleburne
Jackson
Poinsett
Franklin
Pope
Fort Smith
Conway
White
Cross
Woodruff
Crittenden
Sebastian
Logan
Faulkner
Yell
Perry
Scott
Prairie
St. Francis
Lee
Little Rock
Pulaski
Lonoke
Monroe
Saline
Garland
Montgomery
Polk
Phillips
Hot Spring
Grant
Jefferson
Pine Bluff
Arkansas
Pike
Howard
Clark
Sevier
Dallas
Lincoln
Desha
Cleveland
Hempstead
Little River
Nevada
Ouachita
Calhoun
Drew
Bradley
Miller
Lafayette
Columbia
Union
Ashley
Chicot

Kilometers
0 20 40 60 80
Miles
0 10 20 30 40 50

USDA-NRCS. 2009. *Ground Penetrating Radar Suitability – Arkansas* (map). Using ArcGIS, Version 9.2 (Environmental Systems Research Institute, Inc., Redlands, Ca.). National Soil Survey Center, Lincoln, Nebraska. Scale 1:600,000. Map projection using Arkansas State Plane North, FIPS 0301, North American Datum 1983.

USDA-NRCS. 2008. Soil Survey Geographic Database (SSURGO) version 2.1. Alabama Collection. Little Rock, Arkansas. Soil Data Mart Source (http://soildatamart.nrcs.usda.gov). December 2008 edition.

Soil Survey Staff. 2009. NSSC DATA – Ground Penetrating Radar Suitability Index (GPRSI) [data file] - National Soil Information System (Evaluation Draft - 02/2009). USDA Natural Resource Conservation Service, National Soil Survey Center, Lincoln, Nebraska. (http://soils.usda.gov).

Current County and Equivalent, TIGER/Line 2008 (cartographic boundary file, tl_2008_us_county.zip). 2008. U.S. Census Bureau. Available FTP: ftp://ftp2.census.gov/geo/tiger/TIGER2008/. [Accessed on February 20, 2009]

Current State and Equivalent, TIGER/Line 2008 (cartographic boundary file, tl_2008_us_state.zip). 2008. U.S. Census Bureau. Available FTP: ftp://ftp2.census.gov/geo/tiger/TIGER2008/. [Accessed on February 20, 2009]

Urban Areas (generalized cartographic boundary file, ua99_d00_shp.zip). 2000. U.S. Census Bureau. Available FTP: http://www.census.gov/geo/cob/bdy/ua/ua00shp/. [Accessed on February 20, 2009]

USGS. Analytical Hillshade computed from 1 kilometer National Elevation Dataset (NEDS) using the following parameters: 315 degrees altitude, 45 degrees azimuth, and z factor 1x. Prepared by USDA-NRCS-NSSC, Lincoln, NE.

NRCS Natural Resources Conservation Service

GPR Index

1	Very High	Water	
2	High	Not Digitized	
3	Moderate	Urban Areas	
4	Low	International Border	
5	Very Low	State Line	
6	Unsuited	County Line	
Not Rated		Interstate Highway	