GPR SUITABILITY MAP - SOUTH DAKOTA

ND

MT

MN

WY

NE

IA

Harding
Perkins
Corson
Campbell
McPherson
Marshall
Roberts
Walworth
Edmunds
Brown
Day
Grant
Dewey
Potter
Faulk
Ziebach
Codington
Butte
Spink
Clark
Deuel
Hamlin
Meade
Sully
Hyde
Hand
Beadle
Kingsbury
Brookings
Lawrence
Stanley
Hughes
Haakon
Pennington
Buffalo
Jerauld
Sanborn
Miner
Lake
Moody
Jones
Lyman
Custer
Jackson
Mellette
Brule
Aurora
Davison
Hanson
McCook
Minnehaha
Douglas
Hutchinson
Turner
Lincoln
Shannon
Fall River
Tripp
Bennett
Todd
Gregory
Charles Mix
Bon Homme
Yankton
Clay
Union

Rapid City
Watertown
Mitchell
Aberdeen
Sioux Falls
Sioux City
Scottsbluff

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

USDA-NRCS. 2009. *Ground Penetrating Radar Suitability – South Dakota* (map). Using ArcGIS, Version 9.2 (Environmental Systems Research Institute, Inc., Redlands, Ca.). National Soil Survey Center, Lincoln, Nebraska. Scale 1:700,000. Map projection using South Dakota South State Plane, FIPS 4002, North American Datum 1983.

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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	