

SSURGO Digital Soil Survey 2.1 for Hocking County, Ohio

The SSURGO Digital Soil Survey 2.1 for Hocking County, Ohio was designed for users of soils information who do not have geographic information system (GIS) software. This edition was released in July, 2004, as a part of Ohio's Statewide Digital Soils Information (SDSI) Project. The SDSI Project was initiated in 2000 with the goal of making digital soils information that meets the United States Department of Agriculture's (USDA) Soil Survey Geographic Database (SSURGO) standards available for all 88 counties by 2006. The Ohio Department of Natural Resources (ODNR) and USDA's Natural Resources Conservation Service (NRCS) are the lead agencies for the project. The Ohio Department of Transportation and individual counties have also contributed financially to the project.

Ohio's Soil Survey Program is a cooperative effort involving NRCS, ODNR's Division of Soil and Water Conservation, and the Ohio Agricultural Research and Development Center, which is a part of The Ohio State University.

This CD contains county soil shapefiles, associated soil attribute databases, aerial photography, road centerlines, and the text and tables from the Soil Survey of Hocking County, Ohio. The following convention describes the characteristics of SSURGO Digital Soil Survey versions 1.0 to 2.2:

- v. 1.0 SSURGO is in pre-2002 format; text is from pre-1979 soil survey publication.
- v. 1.1 SSURGO is in pre-2002 format; text is from post-1978 soil survey publication.
- v. 2.0 SSURGO is in post-2001 format; text is from pre-1979 soil survey publication.
- v. 2.1 SSURGO is in post-2001 format; text is from post-1978 soil survey publication.
- v. 2.2 SSURGO is in post-2001 format; text is updated to match attribute data.

The soils information on this CD was obtained from the Soil Survey Geographic (SSURGO) database for Hocking County, Ohio via NRCS' Soil Data Mart web site at <http://soildatamart.nrcs.usda.gov/Default.aspx>. It was published in April, 2004. The Soil Survey of Hocking County, Ohio was published by NRCS in 1989. This edition of the SSURGO database incorporates changes to the "Soil Classification and Correlation of Hocking County, Ohio" recorded in the October, 2003 amendment to that document. The map units represented by the following symbols were added after 1989: AaC, AbE, AcC2, AcE2, AmC2, AmD2, AoC3, BcA, BcB, BkD, BkE, BkF, BnC, BrD, BrF, CbD2, Cp, CrB, DtD, DtE, DtF, GcE, GdF, GgD, GgE, GgF, GkC, GkD, GnC2, GwD, HcD2, HkD2, HkE2, HmC2, HrE, JeB, Ls, NbC2, Nk, OcA, PkC2, RcD, RpC2, SdF, TaB, Ud, WaA, WdC, WdC, WhC, WnB, WnC, and ZvC2. The soil attributes are from the National Soil Information System (NASIS) database developed by NRCS soil scientists in 2004.

For map units with more than one component identified in the map unit name, applications in this product indicate the attributes for the dominant component only. Attributes of the secondary component can be viewed in the text and tables. The map units represented by the following symbols include more than one component: BkD, BkE, BkF, BnC, CeF, DkF, DtD, DtE, DtF, GdF, GgD, GgE, GgF, GwD, HcD2, HrE, SbE, ScD, ScE, ScF, SdF, WfC, WgC, WhC, WpE, WpF, WrD, WrE, and WrF.

Note that the "County Survey Tables" list all components identified in the map unit description text, including minor components that make up 15 percent or less of the map unit. Data and interpretations are provided in the SSURGO-derived tables for many of these minor components, but information for some minor components may be misleading, if data was not supplied for the components. Specifically, the Water Features table indicates no water table, ponding, or flooding for minor components for which data were not supplied in the database, which may be incorrect. Ratings for Dwellings with Basements and for Septic Tank Absorption Fields in the "County Soil Tables" may differ from limitation ratings that appear on the map for those themes. The limitation ratings used for the two themes are based on the SSURGO 2.0 MS Access template database, but the tables have been tailored somewhat for Ohio conditions.

The soils data exist in ESRI® shapefile format and have been converted from Geographic coordinates into the appropriate Ohio State Plane Coordinate System zone (north or south), NAD83, feet. Soil attribute data are in MS Access database format.

The aerial photography is a merged matrix of digital orthophotography quarter-quadrangle (DOQQ) images that cover the county. A DOQQ is a digital image of an aerial photograph in which displacements caused by the camera and the terrain have been removed. It combines the image characteristics of a photograph with the geometric qualities of a map.

The DOQQs are created from black and white National Aerial Photography Program (NAPP) photography, most of which was acquired between 1993 and 1999. The DOQQs meet national map accuracy standards for 1:12,000 Scale (+/- 33 feet).

The county DOQQ matrix is projected into the appropriate Ohio State Plane Coordinate System zone (north or south), NAD83, feet, and is in LizardTech® MrSid compressed image format. The MrSID GeoViewer® (Windows 95/98/NT) or MrSID BrowserPlugin® (Windows 95/98/NT) is required to view the county DOQQ matrix and are included on this CD.

Official soil survey data for USDA programs are maintained in the Field Office Technical Guide. To find out if soil information on this CD is current, contact the USDA-NRCS field office at 70 N. Plains Road, Suite 107, The Plains, OH 45780-1095. The office phone number is (740) 797-9686.

Liability Statement: The Ohio Department of Natural Resources (DNR) provides this geographic data "as is." DNR makes no guarantee or warranty concerning the accuracy of information contained in the geographic data. DNR further makes no warranties, either expressed or implied, as to the condition of the product, or its fitness for any particular purpose. The burden for determining fitness for use lies entirely with the user. Although these data have been processed successfully on computers of DNR, no warranty, expressed or implied, is made by DNR regarding the use of these data on any other system, nor does the fact of distribution constitute or imply any such warranty. In no event shall the DNR have any liability whatsoever for payment of any consequential, incidental, indirect, special, or tort damages of any kind, including, but not limited to, any loss of profits arising out of use of or reliance on the geographic data.