

Release 2 Land Suitability Maps and Models DVD



This set of instructions is for the DVD that was distributed to attendees at a workshop on Release 2 of the Sustainable Sandhills Land Suitability project in late 2009 and early 2010.

The basic geospatial datasets can be found in the uncompressed directory named **SandhillsRelease2**, and include the base layers (the basic county boundaries and road network), the results layers (the suitability layers and the combo case layers), and an ArcMap document. These layers may be used without opening the compressed (zipped) folder (also named **SandhillsRelease2**), and may be viewed in ArcGIS or other geographic information system (GIS) software that reads shapefile and grid formats.

The directory/folder structure of the compressed (zipped) **SandhillsRelease2** directory of the DVD is shown at right. A description of the content of each subdirectory follows.



Base_Layers Folder

Includes basic county boundaries and major road network files.

Data Folder

Includes the results (grids) that are in the uncompressed directory, the shapefile and grid datasets used in the models, metadata and tables (including cell counts and acres).

Map_Documents Folder

Contains .mxd files used to create the .jpg and .pdf map images.

Map_Images Folder

Contains .jpg files used in the project report and selected .pdf images in letter-size format.

Model_Criteria Folder

Contains an Excel workbook with worksheets for each of six models plus land cover classifications and notes on datasets used in the modeling.

Reports09 Folder

ModelBuilder is part of the Spatial Analyst extension in ArcGIS. ModelBuilder generates reports in .xml format for each of the model runs, including each of the processing steps. The text of a report is also included in the metadata record of the corresponding model output (result).

Reports_Guides Folder

Contains the .pdf technical project report, user guide, and a .ppt presentation similar to the one given at the Release 2 workshop.

Tools Folder

Includes model files from ModelBuilder (readable in ArcGIS with Spatial Analyst).

The compressed zip file also contains seven Workspace folders for model output: six suitability types -- commercial, industrial, residential, natural areas, farmland and forestland -- plus combination cases.

If the compressed zip file is extracted to a hard drive, the total uncompressed space required is approximately 7.2 gigabytes.

After extracting to a hard drive, open one of the ArcMap map documents (.mxd). If any data paths are broken, "right click" on one of the layers and set "data source" to the new location on your hard drive.

Other important information about the data on this DVD:

- NC state plane coordinates NAD 1983 feet
- Software used for the project: ESRI ArcGIS 9.1 with Spatial Analyst, using ModelBuilder.
- The model criteria were developed in Sustainable Sandhills' planning process 2005-2008.
- DVD created September 16, 2009.

For more information about the contents of this DVD, contact:

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