Southeastern Ecological Framework Model

Tags

Models, Southeastern Ecological
Framework, Conservation Area

SOUTHEASTERN ECOLOGICAL FRAMEWORK PROJECT DOCUMENTATION

SOUTHEASTERN ECOLOGICAL FRAMEWORK FINAL MODEL RESULTS

GEODATASET NAME: R4_SEF
GEODATASET TYPE: grid
GEODATASET FEATURE: polygon

GENERAL DESCRIPTION:

This dataset contains the final model results for the Southeastern
Ecological Framework (SEF) GIS Decision Support Model.

DATA SOURCE(S): Various. See "User Notes" for list of input data layers
and sources.

SCALE OF ORIGINAL SOURCE MAPS: Varied. For more information, please
refer to Final Report Southeastern Ecological Framework, Appendix C:
Data Lists. The report as a PDF can be obtained from
http://www.geoplan.ufl.edu/epa.

DATE OF AUTOMATION: October 1998-December 2001

GEODATASET EXTENT: US EPA Region 4 (States of: Florida, Georgia,
Alabama, Mississippi, South Carolina, North Carolina, Tennessee, Kentucky)

CELL SIZE: 90m

FEATURE ATTRIBUTE TABLES

COL ITEM NAME WIDTH OUTPUT TYPE N.DEC ALT. NAME
 1 VALUE 4 10 B -
 5 COUNT 4 10 B -

FEATURE ATTRIBUTE TABLES CODES AND VALUES:

ITEM DESCRIPTION

VALUE
 0 Not Identified in Southeastern Ecological Framework Model Results
 1 Identified area of Southeastern Ecological Framework

 USER NOTES:

The Southeastern Ecological Network integrates and connects existing
conservation areas and currently unprotected areas of high ecological
significance, and this information can be used in concert with other
information on conservation priorities to develop a more integrated
regional landscape protection strategy. For a detailed description of
the data used, analytical methods, and modeling process, see: "Final
Report Southeastern Ecological Framework". A digital version of this
report in pdf format is be available on the web at www.geoplan.ufl.edu/epa.

Please note that this dataset is the unmodified results of the model
before review by other scientists and conservationists.

It should also be considered that this dataset is at a resolution of 90
meters (90 m X 90 m cells), which is approximately 2 acre squares.
Therefore, users should not expect great accuracy at high resolutions.
The modeling and identification efforts of a statewide ecological
network is intended to serve as a general basis for state level
conservation planning. It may serve as an adequate framework or guide
for regional and local conservation planning efforts, but it should be
supplemented by more resolute datasets and analyses especially at the
local level. The conservation/land protection process should also always
include ground-truthing to evaluate sites in the field. In addition,
this data is based on land use information that, by its nature, is
outdated. It should be obvious that development continues at a rapid
pace, and areas identified in the model results could now be converted
to intensive land uses or could be converted in the near future.

Various data sources were used to create this dataset. Following is a
list of input dataset used and their sources.

Dataset {Source}
-Multi-Resolution Land Cover Dataset (MRLC) {Tennessee Valley Authority
(TVA)}
-SAMAB Land Cover Dataset {Southern Appalachian Man & the Biosphere
Program (SAMAB)}
-GIRAS Land Cover/ Land Use Spatial Data Set {US EPA Office of
Information Resources Management (OIRM)}
-Roads {US Bureau of the Census TIGER Roads (1990)}
-Hydrographic Areas 1:100000 {US Geological Survey}
-River Reach Files (Hydrographic features) {US EPA Office of Water}
-Flood Zone Hazard Areas {Federal Emergency Management Agency}
-Coastal Barrier Resource Areas {Federal Emergency Management Agency}
-Shellfish Harvesting Areas {US EPA}
-Wild & Scenic Rivers {US EPA River Reach Files}
-National Estuarine Research Reserves {National Oceanic and Atmospheric
Administration (NOAA)}
-Eastwide Forest Areas Inventory {US Forest Service}
-Ecoregions {US EPA Office of Water}
-Forest Service Ownership Boundaries {US EPA}

-Comprehensive Managed Areas Spatial Database {NASA/ University of California at Santa Barbara}
-Federal and Indian Lands {US Geological Survey}
-Alabama Forest Service Ownership Boundaries {US Forest Service}
-Alabama Element Occurrence Data {Alabama Natural Heritage Program}
-Florida Conservation Areas {University of Florida GeoPlan Center}
-Florida Element Occurrence Data {Florida Natural Areas Inventory}
-Florida Habitat Areas {Florida Fish & Wildlife Conservation Commission, formerly Game & Fish Comm.}
-Florida Strategic Habitat Conservation Areas {Florida Fish & Wildlife Conservation Commission}
-Florida Biodiversity Hotspots {Florida Fish & Wildlife Conservation Commission}
-Florida Land Cover Dataset {Florida Fish & Wildlife Conservation Commission}
-Florida Potential Natural Areas {Florida Natural Areas Inventory}
-Florida Areas of Conservation Interest {Florida Natural Areas Inventory}
-Florida Land Use Datasets {Florida Water Management Districts: St. Johns WMD, South FL WMD, Southwest FL WMD, Suwannee WMD, and Northwest FL WMD}
-Florida Aquatic Preserves {University of Florida GeoPlan Center}
-Georgia Department of Natural Resources Lands {GA Natural Heritage Program}
-Georgia Element Occurrence Data {Georgia Natural Heritage Program}
-Georgia Public and Private Conservation Lands {GA Gap Project}
-Kentucky Wildlife Management Areas {US Geological Survey}
-Kentucky State Managed Forests {US Geological Survey}
-Kentucky State Parks - KY Department of Parks Facilities Guide - {US Geological Survey}
-Mississippi National Forest Ownership Boundaries {US Forest Service}
-Mississippi National Park Boundaries {US Geological Survey}
-Mississippi State Park Boundaries {MS Department of Wildlife, Fisheries, and Parks}
-Mississippi Wildlife Management Areas {MS Department of Wildlife, Fisheries, and Parks}
-South Carolina National Forests, Parks, Refuges, Reservations and Wildlife Management Areas Boundaries {US Geological Survey}
-North Carolina Significant Natural Areas {NC DENR-Div. of Parks and Recreation, Natural Heritage Program}
-North Carolina Anadromous Fish Spawning Areas {NC DEHNR - Division of Marine Fisheries}
-North Carolina Coastal Reserves {NC DENR Division of Coastal Management}
-North Carolina Fisheries Nursery Areas {NC DEHNR - Division of Marine Fisheries}
-North Carolina Land Trust Priorities {The Conservation Fund}
-North Carolina Conservation Areas {The Conservation Fund}
-North Carolina Lands Owned by The Nature Conservancy {US EPA}

For more information, please refer to Final Report Southeastern Ecological Framework, Appendix C: Data Lists. The report as a PDF can be obtained from http://www.geoplan.ufl.edu/epa.

 MAP PROJECTION PARAMETERS

Projection ALBERS
Datum NAD27
Units METERS
Spheroid CLARKE1866
1st standard parallel 24 0 0.000

2nd standard parallel 39 30 0.000
central meridian -83 30 0.000
latitude of projection's origin 23 0 0.000
false easting (meters) 0.00000
false northing (meters) 0.00000

 DATA SOURCE CONTACT(S):

UFL CONTACT:

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