

Georgia Level III and IV Ecoregion – Split by III

Shapefile

Tags

United States, environment, biota, Environment, Ecosystem, Land, Natural Resources, Conservation, Biology, Georgia, location, boundaries, Ecology, US Ecoregion Levels III and IV, North American (CEC) Ecoregion Levels I, II, III, Selected State, Conterminous United States

Summary

Ecoregion maps assist managers of aquatic and terrestrial resources to understand the regional patterns of the realistically attainable quality of these resources

Description

Ecoregions by state were extracted from the seamless national shapefile. Ecoregions denote areas of general similarity in ecosystems and in the type, quality, and quantity of environmental resources. They are designed to serve as a spatial framework for the research, assessment, management, and monitoring of ecosystems and ecosystem components. These general purpose regions are critical for structuring and implementing ecosystem management strategies across federal agencies, state agencies, and nongovernment organizations that are responsible for different types of resources within the same geographical areas. The approach used to compile this map is based on the premise that ecological regions can be identified through the analysis of patterns of biotic and abiotic phenomena, including geology, physiography, vegetation, climate, soils, land use, wildlife, and hydrology. The relative importance of each characteristic varies from one ecological region to another. A Roman numeral hierarchical scheme has been adopted for different levels for ecological regions. Level I is the coarsest level, dividing North America into 15 ecological regions. Level II divides the continent into 52 regions (Commission for Environmental Cooperation Working Group, 1997). At Level III, the continental United States contains 104 regions whereas the conterminous United States has 84 (U.S. Environmental Protection Agency, 2005). Level IV ecoregions are further subdivisions of Level III ecoregions. Methods used to define the ecoregions are explained in Omernik (1995, 2004), Omernik and others (2000), and Gallant and others (1989). Literature cited: Commission for Environmental Cooperation Working Group, 1997, Ecological regions of North America- toward a common perspective: Montreal, Commission for Environmental Cooperation, 71 p. Gallant, A. L., Whittier, T.R., Larsen, D.P., Omernik, J.M., and Hughes, R.M., 1989, Regionalization as a tool for managing environmental resources: Corvallis, Oregon, U.S. Environmental Protection Agency, EPA/600/3-89/060, 152p. Omernik, J.M., 1995, Ecoregions - a framework for environmental management, in Davis, W.S. and Simon, T.P., eds., Biological assessment and criteria-tools for water resource planning and decision making: Boca Raton, Florida, Lewis Publishers, p.49-62. Omernik, J.M., Chapman, S.S., Lillie, R.A., and Dumke, R.T., 2000, Ecoregions of Wisconsin: Transactions of the Wisconsin Academy of Science, Arts, and Letters, v. 88, p. 77-103. Omernik, J.M., 2004, Perspectives on the nature and definitions of ecological regions: Environmental Management, v. 34, Supplement 1, p. s27-s38. Comments and questions regarding Ecoregions should be addressed to Glenn Griffith, Dynamac Corporation, c/o US EPA., 200 SW 35th Street, Corvallis, OR 97333, (541)-754-4465, email: griffith.glenn@epa.gov Alternate: James Omernik, USGS, c/o US EPA, 200 SW 35th Street, Corvallis, OR 97333, (541)-754-4458, email: omernik.james@epa.gov

Credits

There are no credits for this item.

Use limitations

There are no access and use limitations for this item.

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE location, biota, boundaries, environment

PLACE KEYWORDS Selected State, Conterminous United States

PLACE KEYWORDS United States, Georgia

THEME KEYWORDS environment, biota, location, boundaries

THESAURUS ►

TITLE ISO 19115 Topic Category

Hide Thesaurus ▲

THEME KEYWORDS US Ecoregion Levels III and IV, North American (CEC) Ecoregion Levels I, II, III

THESAURUS ►

TITLE User

Hide Thesaurus ▲

THEME KEYWORDS Environment, Ecosystem, Land, Natural Resources, Conservation, Biology, Ecology

THESAURUS ►

TITLE EPA GIS Keyword Thesaurus

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ►

* TITLE 75

PUBLICATION DATE 2010-05-01

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. EPA Office of Research & Development (ORD) - National Health and Environmental Effects Research Laboratory (NHEERL)
CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS

DELIVERY POINT Corvallis, OR

Hide Contact information ▲

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Environmental Protection Agency

CONTACT'S ROLE originator

Hide Citation Contacts ▲

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

SPATIAL REPRESENTATION TYPE vector

SUPPLEMENTAL INFORMATION

Electronic versions of ecoregion maps and posters, as well as other ecoregion resources are available at: <http://www.epa.gov/wed/pages/ecoregions.htm>.
Symbology layers for US Levels III and IV also available. Level IV ecoregions are not complete for California and Arizona, as of May, 2010. For these states, the polygons are for Level III or lower. The field "US_L4CODE" contains placeholder information derived from "US_L3CODE". Ecoregions were digitized at 1:250,000 scale and are intended for large geographic extents (i.e. states, multiple counties, or river basins). Use for smaller areas, such as individual counties or a 1:24,000 scale map boundary, is not recommended.

* PROCESSING ENVIRONMENT Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3;
ESRI ArcGIS 10.0.3.3600

ARCGIS ITEM PROPERTIES

* NAME 75

* SIZE 0.505

* LOCATION file:///\\DNR-TPFS4\\GIS1\\JOblinger\\Split EcoRegions\\75.shp

* ACCESS PROTOCOL Local Area Network

* CONTENT TYPE Downloadable Data

Hide Resource Details ▲

Extents ►

EXTENT

DESCRIPTION

Publication date

TEMPORAL EXTENT

DATE AND TIME 2010-05-01

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -86.143725
EAST LONGITUDE -80.315819
SOUTH LATITUDE 30.226883
NORTH LATITUDE 35.245903

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
* WEST LONGITUDE -83.261063
* EAST LONGITUDE -80.840227
* NORTH LATITUDE 32.871888
* SOUTH LATITUDE 30.355645
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -83.261063
* EAST LONGITUDE -80.840227
* SOUTH LATITUDE 30.355645
* NORTH LATITUDE 32.871888
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Marc Weber
ORGANIZATION'S NAME U.S. Environmental Protection Agency, Office of Research & Development (ORD) - National Health and Environmental Effects Research Laboratory (NHEERL)
CONTACT'S POSITION GIS Analyst
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE (541) 754-4469

ADDRESS

TYPE both
DELIVERY POINT 200 S.W. 35th St.
CITY Corvallis
ADMINISTRATIVE AREA OR
POSTAL CODE 97333
E-MAIL ADDRESS weber.marc@epa.gov

CONTACT INSTRUCTIONS

<http://www.epa.gov/>

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

Although these data have been processed successfully on a computer system at the Environmental Protection Agency, no warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate data set limitations, restrictions or intended use. The U.S. Environmental Protection Agency shall not be held liable for improper or incorrect use of the data described and/or contained herein.

SECURITY CONSTRAINTS

CLASSIFICATION SYSTEM FIPS Pub 199

ADDITIONAL RESTRICTIONS Standard Technical Controls

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Geographic

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4269

X ORIGIN -399.99999999999989

Y ORIGIN -399.99999999999989

XY SCALE 11258999068426.24

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 8.9831528411952117e-009

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LEFT LONGITUDE -180

WELL-KNOWN TEXT

GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 4269
* CODESPACE EPSG
* VERSION 7.4.1

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME 75
* OBJECT TYPE composite
* OBJECT COUNT 23

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 23
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

MEASURE DESCRIPTION Although ecoregion polygons and attributes have been checked for accuracy, some errors may remain. Polygons along state borders were reviewed and updated, May 2010.

[Hide Data quality report - Conceptual consistency ▲](#)

DATA QUALITY REPORT - COMPLETENESS OMISSION ►

MEASURE DESCRIPTION Level IV ecoregions are not complete for California and Arizona, as of May, 2010. For these states, the polygons are for Level III or lower. The field 'US_L4CODE' contains placeholder information derived from "US_L3CODE". Ecoregions were digitized at 1:250,000 scale and are intended for large geographic extents (i.e. states, multiple counties, or river basins). Use for smaller areas, such as individual counties or a 1:24,000 scale map boundary, is not recommended.

[Hide Data quality report - Completeness omission ▲](#)

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►
DIMENSION horizontal

MEASURE DESCRIPTION Data were collected using methods that have unknown accuracy (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 10). For more information, please see EPA's NGDP at <http://epa.gov/geospatial/policies.html>

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2010-05-26

DESCRIPTION 1) U.S.G.S. 1:250,000 topographic maps are used to delineate the ecoregions. The lines drawn are manually digitized or scanned to produce georeferenced electronic files. 2) All base maps are joined together and errors along the edges are resolved. 3) Topology is established and the maps are reviewed for accuracy, completeness, and conformity with the original lines. Corrections are made as needed and topology regenerated. 4) Attributes are added. 5) Maps are plotted for visual inspection by two individuals and necessary changes made. 6) Ecoregions from all available states are merged and dissolved to identify and correct inconsistencies. 7) Polygons of the corrected seamless ecoregion features are extended beyond the coastal borders. 8) State and Ecoregion datasets are intersected. 9) Topology errors removed. 10) Final QA

[Hide Process step ▲](#)

SOURCE DATA ►

DESCRIPTION The state borders were derived from the dtl_st.sdc on the ArcGIS DVD provided by ESRI. It was modified by removing Alaska and Hawaii polygons and all but the State field, adding some coastal islands based on imagery or NHDPlus areas, and restoring topology (removing internal gaps and small overlaps). The EPA regions were added to this custom geodatabase (dtl_48plyf) prior to the intersection process with the seamless ecoregion data.

[Hide Source data ▲](#)

[Hide Lineage ▲](#)

Geoprocessing history ►

PROCESS

DATE 2011-01-04T10:15:32

TOOL LOCATION C:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx\Project

COMMAND ISSUED

```
Project ga_eco_l4 "C:\Documents and
Settings\JOblinger\Desktop\EcoReg_ga.shp"
GEOGCS['GCS_North_American_1983',DATUM['D_North_American_1983',SPHEROID['GRS
_1980',6378137.0,298.257222101]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.017
4532925199433]] #
PROJCS['USA_Contiguous_Albers_Equal_Area_Conic_USGS_version',GEOGCS['GCS_Nor
th_American_1983',DATUM['D_North_American_1983',SPHEROID['GRS_1980',6378137.
0,298.257222101]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]]
,PROJECTION['Albers'],PARAMETER['False_Easting',0.0],PARAMETER['False_Northi
ng',0.0],PARAMETER['Central_Meridian',-
96.0],PARAMETER['Standard_Parallel_1',29.5],PARAMETER['Standard_Parallel_2',
45.5],PARAMETER['Latitude_Of_Origin',23.0],UNIT['Meter',1.0]]
```

[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

INDIVIDUAL'S NAME Marc Weber

ORGANIZATION'S NAME U.S. Environmental Protection Agency, Office of Research & Development (ORD) - National Health and Environmental Effects Research Laboratory (NHEERL)

CONTACT'S POSITION GIS Analyst

CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE

VOICE (541) 754-4469

ADDRESS

TYPE both

DELIVERY POINT 200 S.W. 35th St.

CITY Corvallis

ADMINISTRATIVE AREA OR

POSTAL CODE 97333

E-MAIL ADDRESS weber.marc@epa.gov

CONTACT INSTRUCTIONS

<http://www.epa.gov/>

[Hide Contact information ▲](#)

ORDERING PROCESS

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* **FORMAT NAME** Shapefile

TRANSFER OPTIONS

* **TRANSFER SIZE** 0.505

ONLINE SOURCE

[Hide Distribution](#) ▲

Fields and Subtypes ►

DETAILS FOR OBJECT 75 ►

* **TYPE** Feature Class

* **ROW COUNT** 23

FIELD FID ►

* **ALIAS** FID

* **DATA TYPE** OID

* **WIDTH** 4

* **PRECISION** 0

* **SCALE** 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

[Hide Field FID](#) ▲

FIELD Shape ►

* **ALIAS** Shape

* **DATA TYPE** Geometry

* **WIDTH** 0

* **PRECISION** 0

* **SCALE** 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Coordinates defining the features.

[Hide Field Shape](#) ▲

FIELD OBJECTID ►

* **ALIAS** OBJECTID

* DATA TYPE Integer
* WIDTH 9
* PRECISION 9
* SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD US_L4CODE ►

* ALIAS US_L4CODE
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Code for Level IV Ecoregion (US)

DESCRIPTION SOURCE

USEPA

Hide Field US_L4CODE ▲

FIELD US_L4NAME ►

* ALIAS US_L4NAME
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Name for Level IV Ecoregion (US)

DESCRIPTION SOURCE

USEPA

Hide Field US_L4NAME ▲

FIELD US_L3CODE ►

* ALIAS US_L3CODE
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Code for Level III Ecoregion (US)

DESCRIPTION SOURCE

USEPA

Hide Field US_L3CODE ▲

FIELD US_L3NAME ►

- * ALIAS US_L3NAME
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Name for Level III Ecoregion (US)

DESCRIPTION SOURCE

USEPA

Hide Field US_L3NAME ▲

FIELD NA_L3CODE ►

- * ALIAS NA_L3CODE
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Code for Level III Ecoregion (North America)

DESCRIPTION SOURCE

CEC

Hide Field NA_L3CODE ▲

FIELD NA_L2CODE ►

- * ALIAS NA_L2CODE
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Code for Level II Ecoregion (North America)

DESCRIPTION SOURCE

CEC

Hide Field NA_L2CODE ▲

FIELD NA_L2NAME ►

- * ALIAS NA_L2NAME

* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Name for Level II Ecoregion (North America)

DESCRIPTION SOURCE
CEC

Hide Field NA_L2NAME ▲

FIELD NA_L1CODE ►
* ALIAS NA_L1CODE
* DATA TYPE String
* WIDTH 20
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Code for Level I Ecoregion (North America)

DESCRIPTION SOURCE
CEC

Hide Field NA_L1CODE ▲

FIELD NA_L1NAME ►
* ALIAS NA_L1NAME
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Name for Level I Ecoregion (North America)

DESCRIPTION SOURCE
CEC

Hide Field NA_L1NAME ▲

FIELD STATE_NAME ►
* ALIAS STATE_NAME
* DATA TYPE String
* WIDTH 25
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Name of State (US)

Hide Field STATE_NAME ▲

FIELD EPA_REGION ►

* ALIAS EPA_REGION
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

FIELD DESCRIPTION

EPA Administrative Region

Hide Field EPA_REGION ▲

FIELD Shape_Leng ►

* ALIAS Shape_Leng
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Length of feature in internal units

DESCRIPTION SOURCE

ESRI Positive real numbers that are automatically generated.

Hide Field Shape_Leng ▲

FIELD Shape_Area ►

* ALIAS Shape_Area
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Area of feature in internal units squared.

DESCRIPTION SOURCE

ESRI Positive real numbers that are automatically generated.

DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

FIELD L4_KEY ►

* ALIAS L4_KEY
* DATA TYPE String
* WIDTH 125
* PRECISION 0

* SCALE 0
FIELD DESCRIPTION
US Level IV Code and Name for Legend, Match to Style

[Hide Field L4_KEY ▲](#)

FIELD L3_KEY ►
* ALIAS L3_KEY
* DATA TYPE String
* WIDTH 125
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
US Level III Code and Name for Legend, Match to Style

[Hide Field L3_KEY ▲](#)

FIELD L2_KEY ►
* ALIAS L2_KEY
* DATA TYPE String
* WIDTH 125
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
NA Level II Code and Name for Legend, Match to Style

[Hide Field L2_KEY ▲](#)

FIELD L1_KEY ►
* ALIAS L1_KEY
* DATA TYPE String
* WIDTH 125
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
NA Level I Code and Name for Legend, Match to Style

[Hide Field L1_KEY ▲](#)

[Hide Details for object 75 ▲](#)

[Hide Fields and Subtypes ▲](#)

References ►

AGGREGATE INFORMATION

ASSOCIATION TYPE cross reference

AGGREGATE RESOURCE NAME ▶

TITLE Ecoregions of the United States

Hide Aggregate resource name ▲

Hide References ▲

Metadata Details ▶

METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME * dataset

* LAST UPDATE 2012-02-16

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

CREATED IN ARCGIS 2011-02-01T13:10:55

LAST MODIFIED IN ARCGIS 2012-02-16T08:59:13

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2012-02-16T08:59:13

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2011-01-05T08:22:20

FROM C:\Users\Genevieve\Desktop\EcoReg_ga_EPA

TO \\GENEVIEVE-VAIO\Users\Genevieve\Documents\EPD\GIS
Data\EcoRegions\EcoReg_ga_EPA

Hide Metadata Details ▲

Metadata Contacts ▶

METADATA CONTACT

INDIVIDUAL'S NAME Colleen Burch Johnson

ORGANIZATION'S NAME SRA / Raytheon Contractors to US EPA

CONTACT'S POSITION GIS Analyst

CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

PHONE

VOICE (541) 754-4454

ADDRESS

TYPE both

DELIVERY POINT 200 S.W. 35th St

CITY Corvallis
ADMINISTRATIVE AREA OR
POSTAL CODE 97333
E-MAIL ADDRESS johnson.colleen@epa.gov

CONTACT INSTRUCTIONS
<http://www.epa.gov/>

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
DATE OF NEXT UPDATE 2014-09-20
UPDATE FREQUENCY unknown

[Hide Metadata Maintenance ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

ENCLOSURE
ENCLOSURE TYPE File
DESCRIPTION OF ENCLOSURE original metadata
ORIGINAL METADATA DOCUMENT, WHICH WAS TRANSLATED yes
ORIGINAL FILE NAME source_metadata.xml

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼

CITATION
CITATION INFORMATION
ORIGINATOR U.S. Environmental Protection Agency
PUBLICATION DATE 2010-05-01
TITLE
Level IV Ecoregions of Georgia
GEOSPATIAL DATA PRESENTATION FORM vector digital data
SERIES INFORMATION
PUBLICATION INFORMATION
PUBLICATION PLACE Corvallis, OR
PUBLISHER U.S. EPA Office of Research & Development (ORD) - National Health and Environmental Effects Research Laboratory (NHEERL)
ONLINE LINKAGE ftp://ftp.epa.gov/wed/ecoregions/ga/ga_eco_l4.zip
ONLINE LINKAGE <http://www.epa.gov/wed/pages/ecoregions.htm>
LARGER WORK CITATION
CITATION INFORMATION
PUBLICATION DATE
TITLE
SERIES INFORMATION
PUBLICATION INFORMATION

DESCRIPTION

ABSTRACT

Ecoregions by state were extracted from the seamless national shapefile. Ecoregions denote areas of general similarity in ecosystems and in the type, quality, and quantity of environmental resources. They are designed to serve as a spatial framework for the research, assessment, management, and monitoring of ecosystems and ecosystem components. These general purpose regions are critical for structuring and implementing ecosystem management strategies across federal agencies, state agencies, and nongovernment organizations that are responsible for different types of resources within the same geographical areas. The approach used to compile this map is based on the premise that ecological regions can be identified through the analysis of patterns of biotic and abiotic phenomena, including geology, physiography, vegetation, climate, soils, land use, wildlife, and hydrology. The relative importance of each characteristic varies from one ecological region to another. A Roman numeral hierarchical scheme has been adopted for different levels for ecological regions. Level I is the coarsest level, dividing North America into 15 ecological regions. Level II divides the continent into 52 regions (Commission for Environmental Cooperation Working Group, 1997). At Level III, the continental United States contains 104 regions whereas the conterminous United States has 84 (U.S. Environmental Protection Agency, 2005). Level IV ecoregions are further subdivisions of Level III ecoregions. Methods used to define the ecoregions are explained in Omernik (1995, 2004), Omernik and others (2000), and Gallant and others (1989).

Literature cited:

Commission for Environmental Cooperation Working Group, 1997, Ecological regions of North America- toward a common perspective: Montreal, Commission for Environmental Cooperation, 71 p.

Gallant, A. L., Whittier, T.R., Larsen, D.P., Omernik, J.M., and Hughes, R.M., 1989, Regionalization as a tool for managing environmental resources: Corvallis, Oregon, U.S. Environmental Protection Agency, EPA/600/3-89/060, 152p.

Omernik, J.M., 1995, Ecoregions - a framework for environmental management, in Davis, W.S. and Simon, T.P., eds., Biological assessment and criteria-tools for water resource planning and decision making: Boca Raton, Florida, Lewis Publishers, p.49-62.

Omernik, J.M., Chapman, S.S., Lillie, R.A., and Dumke, R.T., 2000, Ecoregions of Wisconsin: Transactions of the Wisconsin Academy of Science, Arts, and Letters, v. 88, p. 77-103.

Omernik, J.M., 2004, Perspectives on the nature and definitions of ecological regions: Environmental Management, v. 34, Supplement 1, p. s27-s38.

Comments and questions regarding Ecoregions should be addressed to Glenn Griffith, Dynamac Corporation, c/o US EPA., 200 SW 35th Street, Corvallis, OR 97333, (541)-754-4465, email:griffith.glenn@epa.gov Alternate: James Omernik,

USGS, c/o US EPA, 200 SW 35th Street, Corvallis, OR 97333, (541)-754-4458,
email: omernik.james@epa.gov

PURPOSE

Ecoregion maps assist managers of aquatic and terrestrial resources to understand the regional patterns of the realistically attainable quality of these resources

SUPPLEMENTAL INFORMATION

Electronic versions of ecoregion maps and posters, as well as other ecoregion resources are available at: <http://www.epa.gov/wed/pages/ecoregions.htm>.

Symbology layers for US Levels III and IV also available.

Level IV ecoregions are not complete for California and Arizona, as of May, 2010. For these states, the polygons are for Level III or lower. The field "US_L4CODE" contains placeholder information derived from "US_L3CODE". Ecoregions were digitized at 1:250,000 scale and are intended for large geographic extents (i.e. states, multiple counties, or river basins). Use for smaller areas, such as individual counties or a 1:24,000 scale map boundary, is not recommended.

TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2010-05-01

CURRENTNESS REFERENCE

Publication date

STATUS

PROGRESS Ongoing

MAINTENANCE AND UPDATE FREQUENCY As needed

SPATIAL DOMAIN

BOUNDING COORDINATES

WEST BOUNDING COORDINATE -86.143725

EAST BOUNDING COORDINATE -80.315819

NORTH BOUNDING COORDINATE 35.245903

SOUTH BOUNDING COORDINATE 30.226883

KEYWORDS

THEME

THEME KEYWORD THESAURUS ISO 19115 Topic Category

THEME KEYWORD biota

THEME KEYWORD boundaries

THEME KEYWORD environment

THEME KEYWORD location

THEME

THEME KEYWORD THESAURUS EPA GIS Keyword Thesaurus

THEME KEYWORD Biology

THEME KEYWORD Conservation

THEME KEYWORD Ecology

THEME KEYWORD Ecosystem

THEME KEYWORD Environment

THEME KEYWORD Land

THEME KEYWORD Natural Resources

THEME

THEME KEYWORD THESAURUS User
THEME KEYWORD US Ecoregion Levels III and IV, North American (CEC) Ecoregion Levels I, II, III

PLACE

PLACE KEYWORD Selected State, Conterminous United States

PLACE

PLACE KEYWORD THESAURUS None

PLACE KEYWORD Georgia

PLACE KEYWORD United States

ACCESS CONSTRAINTS

None

USE CONSTRAINTS

None

POINT OF CONTACT

CONTACT INFORMATION

CONTACT PERSON PRIMARY

CONTACT PERSON Marc Weber

CONTACT ORGANIZATION U.S. Environmental Protection Agency, Office of Research & Development (ORD) - National Health and Environmental Effects Research Laboratory (NHEERL)

CONTACT POSITION GIS Analyst

CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

ADDRESS 200 S.W. 35th St.

CITY Corvallis

STATE OR PROVINCE OR

POSTAL CODE 97333

CONTACT VOICE TELEPHONE (541) 754-4469

CONTACT ELECTRONIC MAIL ADDRESS weber.marc@epa.gov

CONTACT INSTRUCTIONS

<http://www.epa.gov/>

SECURITY INFORMATION

SECURITY CLASSIFICATION SYSTEM FIPS Pub 199

SECURITY CLASSIFICATION No Confidentiality

SECURITY HANDLING DESCRIPTION Standard Technical Controls

NATIVE DATA SET ENVIRONMENT

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.1.3000

CROSS REFERENCE

CITATION INFORMATION

TITLE

Ecoregions of the United States

[Hide Identification](#) ▲

LOGICAL CONSISTENCY REPORT

Although ecoregion polygons and attributes have been checked for accuracy, some errors may remain.

Polygons along state borders were reviewed and updated, May 2010.

COMPLETENESS REPORT

Level IV ecoregions are not complete for California and Arizona, as of May, 2010. For these states, the polygons are for Level III or lower. The field 'US_L4CODE' contains placeholder information derived from "US_L3CODE". Ecoregions were digitized at 1:250,000 scale and are intended for large geographic extents (i.e. states, multiple counties, or river basins). Use for smaller areas, such as individual counties or a 1:24,000 scale map boundary, is not recommended.

POSITIONAL ACCURACY

HORIZONTAL POSITIONAL ACCURACY

HORIZONTAL POSITIONAL ACCURACY REPORT

Data were collected using methods that have unknown accuracy (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 10). For more information, please see EPA's NGDP at <http://epa.gov/geospatial/policies.html>

LINEAGE

SOURCE INFORMATION

SOURCE CONTRIBUTION

The state borders were derived from the dtl_st.sdc on the ArcGIS DVD provided by ESRI. It was modified by removing Alaska and Hawaii polygons and all but the State field, adding some coastal islands based on imagery or NHDPlus areas, and restoring topology (removing internal gaps and small overlaps). The EPA regions were added to this custom geodatabase (dtl_48plyf) prior to the intersection process with the seamless ecoregion data.

PROCESS STEP

PROCESS DESCRIPTION

1) U.S.G.S. 1:250,000 topographic maps are used to delineate the ecoregions. The lines drawn are manually digitized or scanned to produce georeferenced electronic files. 2) All base maps are joined together and errors along the edges are resolved. 3) Topology is established and the maps are reviewed for accuracy, completeness, and conformity with the original lines. Corrections are made as needed and topology regenerated. 4) Attributes are added. 5) Maps are plotted for visual inspection by two individuals and necessary changes made. 6) Ecoregions from all available states are merged and dissolved to identify and correct inconsistencies. 7) Polygons of the corrected seamless ecoregion features are extended beyond the coastal borders. 8) State and Ecoregion datasets are intersected. 9) Topology errors removed. 10) Final QA

PROCESS DATE 2010-05-26

PROCESS STEP

PROCESS DESCRIPTION

Dataset copied.

SOURCE USED CITATION ABBREVIATION

PROCESS DATE 2011-01-04

PROCESS TIME 10153200

[Hide Data Quality](#) ▲

HORIZONTAL COORDINATE SYSTEM DEFINITION

GEODETIC MODEL

HORIZONTAL DATUM NAME North American Datum of 1983

ELLIPSOID NAME Geodetic Reference System 80

SEMI-MAJOR AXIS 6378137.000000

DENOMINATOR OF FLATTENING RATIO 298.257222

[Hide Spatial Reference](#) ▲

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL 75

ATTRIBUTE

ATTRIBUTE LABEL FID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Shape

ATTRIBUTE DEFINITION

Feature geometry.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Coordinates defining the features.

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL US_L4CODE

ATTRIBUTE DEFINITION

Code for Level IV Ecoregion (US)

ATTRIBUTE DEFINITION SOURCE USEPA

ATTRIBUTE

ATTRIBUTE LABEL US_L4NAME

ATTRIBUTE DEFINITION

Name for Level IV Ecoregion (US)

ATTRIBUTE DEFINITION SOURCE USEPA

ATTRIBUTE

ATTRIBUTE LABEL US_L3CODE

ATTRIBUTE DEFINITION

Code for Level III Ecoregion (US)

ATTRIBUTE DEFINITION SOURCE USEPA

ATTRIBUTE

ATTRIBUTE LABEL US_L3NAME

ATTRIBUTE DEFINITION

Name for Level III Ecoregion (US)

ATTRIBUTE DEFINITION SOURCE USEPA

ATTRIBUTE

ATTRIBUTE LABEL NA_L3CODE

ATTRIBUTE DEFINITION
Code for Level III Ecoregion (North America)
ATTRIBUTE DEFINITION SOURCE CEC

ATTRIBUTE
ATTRIBUTE LABEL NA_L2CODE
ATTRIBUTE DEFINITION
Code for Level II Ecoregion (North America)
ATTRIBUTE DEFINITION SOURCE CEC

ATTRIBUTE
ATTRIBUTE LABEL NA_L2NAME
ATTRIBUTE DEFINITION
Name for Level II Ecoregion (North America)
ATTRIBUTE DEFINITION SOURCE CEC

ATTRIBUTE
ATTRIBUTE LABEL NA_L1CODE
ATTRIBUTE DEFINITION
Code for Level I Ecoregion (North America)
ATTRIBUTE DEFINITION SOURCE CEC

ATTRIBUTE
ATTRIBUTE LABEL NA_L1NAME
ATTRIBUTE DEFINITION
Name for Level I Ecoregion (North America)
ATTRIBUTE DEFINITION SOURCE CEC

ATTRIBUTE
ATTRIBUTE LABEL STATE_NAME
ATTRIBUTE DEFINITION
Name of State (US)

ATTRIBUTE
ATTRIBUTE LABEL EPA_REGION
ATTRIBUTE DEFINITION
EPA Administrative Region

ATTRIBUTE
ATTRIBUTE LABEL Shape_Leng
ATTRIBUTE DEFINITION
Length of feature in internal units
ATTRIBUTE DEFINITION SOURCE ESRI Positive real numbers that are automatically generated.

ATTRIBUTE
ATTRIBUTE LABEL Shape_Area
ATTRIBUTE DEFINITION
Area of feature in internal units squared.
ATTRIBUTE DEFINITION SOURCE ESRI Positive real numbers that are automatically generated.
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Positive real numbers that are automatically generated.

ATTRIBUTE
ATTRIBUTE LABEL L4_KEY
ATTRIBUTE DEFINITION

US Level IV Code and Name for Legend, Match to Style

ATTRIBUTE

ATTRIBUTE LABEL L3_KEY

ATTRIBUTE DEFINITION

US Level III Code and Name for Legend, Match to Style

ATTRIBUTE

ATTRIBUTE LABEL L2_KEY

ATTRIBUTE DEFINITION

NA Level II Code and Name for Legend, Match to Style

ATTRIBUTE

ATTRIBUTE LABEL L1_KEY

ATTRIBUTE DEFINITION

NA Level I Code and Name for Legend, Match to Style

Hide Entities and Attributes ▲

DISTRIBUTOR

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION U.S. Environmental Protection Agency, Office of Research & Development (ORD) - National Health and Environmental Effects Research Laboratory (NHEERL)

CONTACT PERSON Marc Weber

CONTACT POSITION GIS Analyst

CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

ADDRESS 200 S.W. 35th St.

CITY Corvallis

STATE OR PROVINCE OR

POSTAL CODE 97333

CONTACT VOICE TELEPHONE (541) 754-4469

CONTACT ELECTRONIC MAIL ADDRESS weber.marc@epa.gov

CONTACT INSTRUCTIONS

<http://www.epa.gov/>

RESOURCE DESCRIPTION Downloadable Data

DISTRIBUTION LIABILITY

Although these data have been processed successfully on a computer system at the Environmental Protection Agency, no warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate data set limitations, restrictions or intended use. The U.S. Environmental Protection Agency shall not be held liable for improper or incorrect use of the data described and/or contained herein.

STANDARD ORDER PROCESS

DIGITAL FORM

DIGITAL TRANSFER INFORMATION

TRANSFER SIZE 1.577

Hide Distribution Information ▲

METADATA DATE 2010-09-20

METADATA FUTURE REVIEW DATE 2014-09-20
METADATA CONTACT
CONTACT INFORMATION
CONTACT PERSON PRIMARY
CONTACT PERSON Colleen Burch Johnson
CONTACT ORGANIZATION SRA / Raytheon Contractors to US EPA
CONTACT POSITION GIS Analyst
CONTACT ADDRESS
ADDRESS TYPE mailing and physical address
ADDRESS 200 S.W. 35th St
CITY Corvallis
STATE OR PROVINCE OR
POSTAL CODE 97333

CONTACT VOICE TELEPHONE (541) 754-4454
CONTACT ELECTRONIC MAIL ADDRESS johnson.colleen@epa.gov
CONTACT INSTRUCTIONS
<http://www.epa.gov/>

METADATA STANDARD NAME FGDC Content Standards for Digital Geospatial Metadata
METADATA STANDARD VERSION FGDC-STD-001-1998
METADATA TIME CONVENTION local time

[Hide Metadata Reference](#) ▲