Topic not available

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About this data

ESRI provides an extensive set of data that is ready for you to use in your work. Every data source is fully documented in this on-line help topic. For each data source there is a brief data source description, information on the number and kind of geographic features, and attribute field descriptions. You can display a "snapshot" showing an example for most feature classes. Technical descriptions provide the data source lineage, coordinate system, useful display scales, and so on.

As you create your own projects, add your own themes, look at attribute tables, and so on, you may have questions about the data. You can find additional information about the data in this help system, and you can find by browsing the help that additional data can be found on the ESRI Data & Maps CD-ROMs. The ESRI Data & Maps CD-ROMs have the following directory structure:

Directory Structure

ESRI Data & Maps   CD 1

Canada
> Province Boundaries
> Demographic Attributes
> Cities
> Highways
> Rivers and Lakes

Europe
> Country Boundaries
> Sub Country Administrative Units
> Cities
> Major Urbanized Areas
> Major Rivers
> Places
> Roads
> Railroads
> Urbanized Areas
> Water
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Mexico
> State Boundaries
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> Cities
> Highways
> Rivers and Lakes

United States
> States
> Counties
> Census Attributes
> Interstate Highways
> Major Road Net
> Rivers and Lakes
> Cities
> Places
> Places Areas

Areas of Dominant Influence (ADIs)
Roads and Routes
Parks
ZIP code points
Area Codes
Major Roads
Designated Market Areas
3 digit Zip Code polygons
Population estimates for counties

World
Country Boundaries
Administrative Unit Boundaries
Cities
Gazetteer Points, Including Places and Airports
Demographic Attributes
Lakes, Rivers and Drainage
WorldSat Color Shaded Relief Image
World Wildlife Fund Ecoregions

ESRI Data & Maps   CD 2
United States (Continued)
State Boundaries
County Boundaries
Census Tracts
Census Attributes
Congressional Districts
Urbanized Areas
5 digit ZIP code polygons
Metropolitan Statistical Areas
Parks (GDT)
Major Water Bodies
Airports
Large Area Landmarks
National Transportation Atlas Highways
National Transportation Atlas Railroads
Institutions
Retail Centers
Transportation Terminals
Recreation Areas
Geographic Names Information System cultural points

ESRI Data & Maps   CD 3
Western United States (by state)
Census Tracts
Census Block Groups
Census Block Centroid Populations
Rivers
GDT Major Roads
ZIP Code Polygons
Census Attributes

States Included
Alaska
Arizona

California
Colorado
Hawaii
Idaho
Kansas
Montana
Nebraska
Nevada
New Mexico
North Dakota
Oklahoma
Oregon
South Dakota
Texas
Utah
Washington
Wyoming

ESRI Data & Maps   CD 4
Eastern United States (by state)
Census Tracts
Census Block Groups
Census Block Centroid Populations
Rivers
GDT Major Roads
ZIP Code Polygons
Census Attributes

States Included
Connecticut
Delaware
District of Columbia
Illinois
Indiana
Iowa
Maine
Maryland
Massachusetts
Michigan
Minnesota
Missouri
New Hampshire
New Jersey
New York
Ohio
Pennsylvania
Rhode Island
Vermont
West Virginia
Wisconsin

ESRI Data & Maps   CD 5
Southern United States (by state)
Census Tracts
Census Block Groups

Census Block Centroid Populations
Rivers
GDT Major Roads
ZIP Code Polygons
Census Attributes

States Included
Alabama
Arkansas
Florida
Georgia
Kentucky
Louisiana
Mississippi
North Carolina
South Carolina
Tennessee
Virginia

Sample Image Data
Orlando Area
Landsat (28 meter)
SPOT (10 meter)
IRC (5 meter)
Color Orthophoto (1 foot)
North America Shaded Relief

Bibliography

The following geographic reference books were used as sources of some of the statistical data in the ESRI data. They were also used to verify some feature locations, names, and other information.

AAA Road Atlas. Heathrow, FL: American Automobile Association, 1992.

Oxford Atlas of the World. 2nd edition. New York: Oxford University Press, 1993.

Rand McNally 1993 Road Atlas. Chicago: Rand McNally, 1993.

Rand McNally New International Atlas. 2nd printing, revised. Chicago: Rand McNally, 1991.

The Times Atlas of the World. 8th comprehensive edition. Edinburgh: Bartholemew and Times Books, 1990.

Webster's New Geographical Dictionary. Springfield, Massachusetts: Merriam-Webster Inc., 1988.

World Resources 1992-93. A report by the World Resources Institute in collaboration with the United Nations Environment Programme. New York: Oxford University Press, 1992.

Canada Cities

Technical description

GeoDataset name: Cities

Canada Cities contains locations for 25 important Canadian cities. The cities include capitals for each of the 12 provinces and territories in Canada Provinces and other major population centers or landmark cities.

- **Cities -- Canada Cities**

25 points, 4 descriptive fields. Contains locations for major Canadian cities.
Snapshot
Fields:
Name -- The city name. (String)
Capital -- Capital city indicator. (String)
      Y = City is a province capital
      N = City is not a province capital
      C = City is the national capital

Prov_name -- The name of the province in which a city is located. (String)

Population -- The city population for 1991. (Number)

Canada Cities - Technical Description

GeoDataset name: Cities

Shapefile name: Cities.shp

Path: ESRI Data & Maps 1 (CD) \canada

GeoDataset type: Cities is an ESRI shapefile with point features.

GeoDataset lineage: Most of the Cities data are derived from the Digital Chart of the World. They are supplemented with data from the Rand McNally New International Atlas and the Times Atlas of the World (see Bibliography).

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

The 5 point symbol was used to determine the following scales:
    Largest scale: 1:5,000,000
    Smallest scale: 1:50,000,000

Canada Lakes and Rivers

Technical description

GeoDataset name: Lakes and Rivers

Canada Lakes and Rivers contains the major water bodies and rivers in Canada.

· Lakes -- Canada Lakes
46 regions, 2 descriptive fields. Contains major lakes and reservoirs within Canada.
Snapshot
Fields:
Area -- The lake area in square miles using Albers Equal Area(North America) projection. (Number)
Name -- The lake name. (String)

· Drainage-- Canada Drainage Systems
6 routes, 1 descriptive field. Contains the major drainage systems within Canada.

Snapshot

Fields:

System -- The drainage system name (only for selected drainage systems). (String)

· Rivers-- Canada Rivers
75 routes, 2 descriptive fields. Contains major rivers within Canada.
Snapshot
Fields:
Name -- The river name. (String)
System -- The drainage system name (only for selected drainage systems). (String)

Canada Lakes and Rivers - Technical Description

GeoDataset name: **Lakes and Rivers**

Shapefile names: Lakes.shp, Rivers.shp, Drainage.shp

Path: ESRI Data & Maps 1 (CD) \canada

GeoDataset type: Lakes is an ESRI shapefile with polygon features, drainage and rivers are ESRI shapefiles with line features.

GeoDataset lineage: The Canada Lakes and Rivers data source was generalized from ESRI's ArcWorld 1:3,000,000-scale database. Names were assigned based on the Rand McNally New International Atlas, the Times Atlas of the World, the Digital Chart of the World, and Webster's New Geographical Dictionary. (See Bibliography.)

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

   Largest scale: 1:8,000,000 where the Great Lakes are displayed, 1:5,000,000 elsewhere
   Smallest scale: 1:25,000,000

Usage notes: The Great Lakes are represented in two data sources, Canada Lakes and Rivers and U.S. Lakes and Rivers.

Canada Provinces

Technical description

GeoDataset name: Provinces

Canada Provinces represents the 12 Canadian provinces and territories as well as coastline, international boundaries, and provincial boundaries.

- **Provinces -- Canada Provinces**

12 regions, 5 descriptive fields. Defines Canadian provinces and territories.

Snapshot

Fields:

Area -- The province area in square miles using Albers Equal Area(North America) projection. (Number)

Code -- A code for the province. (String)

Name -- The province name. (String)

Pop1991 -- The total population of a province for 1991. (Number)

Pop91_sqmi -- The population per square mile of a province for 1991. (Number)

Canada Provinces - Technical Description

GeoDataset name: Provinces

Shapefile name: Province.shp

Path: ESRI Data & Maps 1 (CD) \canada

GeoDataset type: Canada Provinces is an ESRI shapefile with polygon features.

GeoDataset lineage: Canada Provinces was generalized from ESRI's ArcWorld 1:3,000,000 and 1:25,000,000-scale databases. Province codes are from the U.S. Defense Intelligence Agency Manual (DIAM) 65-18. The Canada Demographics attributes come from Statistics Canada.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

When displaying the entire country:
    Largest scale: 1:5,000,000
    Smallest scale: 1:20,000,000

The intricate coastline in northern Canada is important in determining the smallest useful display scale.

Canada Roads

Technical description

GeoDataset name: Roads

Canada Roads contains major roads within Canada. Use the Canada Roads to easily display roads by their administrative class, toll information, and route number (e.g., Alberta Hwy 2). Use the Canada Routes only to display roads by their route number.

- **Roads_rt -- Canada Routes**

120 routes, 1 descriptive field. Defines major Canadian highway routes.
Snapshot
Fields:
Route -- A combination of administrative class and the route number.
Example: Alberta Hwy 2. (String)

- **Roads -- Canada Road Segments**

323 arcs, 6 descriptive fields. Contains individual line segments for major Canadian highway routes.
Snapshot
Fields:
Type -- Contains one of the following strings:
  Multi-Lane Divided
  Paved Divided
  Paved Undivided
  Gravel

Admn_class -- Indicates the administrative class of the road. Contains one of the following strings:
  Provincial
  Trans-Canada

Toll_rd -- Indicates whether a toll is collected. Contains Y or N. (String)

Rte_num1 -- The primary route number. (String)

Rte_num2 -- The secondary route number, if any. (String)

Route -- A combination of administrative class and the primary route number.
Example: Alberta Hwy 2. (String)

Canada Roads - Technical Description

GeoDataset name: Roads

Shapefile name: Roads.shp, Roads_rt.shp

Path: ESRI Data & Maps 1 (CD) \canada

GeoDataset type: Roads and roads_rt are ESRI shapefiles with line features.

GeoDataset lineage: The Canada Roads data source was generalized from the Digital Chart of the World. Attributes were added from the AAA Road Atlas (see Bibliography).

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

    Largest scale: 1:5,000,000
    Smallest scale: 1:35,000,000

Distribution Rights

Description	Data Source	File Name	ESRIDATA Directory	Redistribution (see FAQ below)
World				
World Wildlife Fund Ecoregions	World Wildlife Fund, DCW	wwf_eco.shp	(CD 1) \world	No
Country	ArcWorld	country.shp	(CD 1) \world	Yes 1,2,3
Countries	ArcWorld	cntry92.shp	(CD 1) \world	Yes 1,2,3
Countries 1998	ArcWorld Supplement	cntry98.shp	(CD 1) \world	Yes 1,2,3
Sub-country administrative units	ArcWorld Supplement	admin98.shp	(CD 1) \world	Yes 1,2,3
Country demographics (table)	World Bank	demog.dbf	(CD 1) \world\ tables	Yes 1,2,3
Country memberships of political organizations (table)	CIA factbook	pol_org.dbf	(CD 1) \world\ tables	Yes 4
Cities	ArcWorld	cities.shp	(CD 1) \world	Yes 1,2,3
Gazetteer	DCW	gaz.shp	(CD 1) \world	Yes 4
Lakes and rivers	ArcWorld	lakes.shp, rivers.shp, drainage.shp	(CD 1) \world	Yes 1,2,3
WorldSat Color Shaded Relief Image	WorldSat International, Inc.	wsiearth.tif	(CD 1) \world	No
Latitude and longitude grids	ESRI	latlong.shp	(CD 1) \world	Yes 1,2,3
Named latitudes and longitudes	ESRI	geogrid.shp	(CD 1) \world	Yes 1,2,3
Map background	ESRI	world30.shp	(CD 1) \world	Yes 1,2,3
Canada				
Provinces	ArcWorld, Statistics Canada	province.shp	(CD 1) \canada	No
Cities	DCW supplemented from Rand McNally/Times Atlas	cities.shp	(CD 1) \canada	Yes 1,2,3
Roads and routes	DCW	roads.shp, roads_rt.shp	(CD 1) \canada	Yes 4
Lakes and rivers	ArcWorld	lakes.shp, rivers.shp, drainage.shp	(CD 1) \canada	Yes 1,2,3
Mexico				
States	ArcWorld, Mexican Investment Board and were provided	states.shp	(CD 1) \mexico	No

	by Realty Network, Inc., Scottsdale, Arizona.			
Cities	DCW supplemented from Rand McNally/ Times Atlas	cities.shp	(CD 1) \mexico	Yes 1,2,3
Roads and routes	DCW	roads.shp roads_rt.shp	(CD 1) \mexico	Yes 4
Lakes and rivers	ArcWorld	lakes.shp, rivers.shp, drainage.shp	(CD 1) \mexico	Yes 1,2,3
United States				
States and counties	ArcWorld, CACI Pop1999 variable	states.shp, counties.shp	(CD 1) \usa	ArcWorld - Yes1,2,3 CACI - Yes 2
States and counties (detailed)	ESRI, derived from GDT Tracts, CACI Pop1999 variable	dtl_st.shp, dtl_cnty.shp	(CD 2) \usa	GDT - Yes 1,2 CACI - Yes 2
County Population estimates (table)	Census, Federal State Cooperative Program for Population Estimates	popestmt.dbf	(CD 1) \usa	Yes 4
Cities	Census	cities.shp	(CD 1) \usa	Yes 4
Census Feature Class Codes	Census	cfcc.txt	(CD 1) \usa	Yes 4
Populated Places	Census	places.shp	(CD 1) \usa	Yes 4
Populated Places Areas	GDT, Census	placesply.shp	(CD 1) \usa	Yes 1,2
Roads and routes	ArcUSA	roads.shp roads_rt.shp	(CD 1) \usa	Yes 1,2,3
Highways	US Bureau Transportation Statistics	roads.shp	(CD 2) \usa	Yes 4
U.S. Highway Routes	US Bureau Transportation Statistics	usroute.shp	(CD 2) \usa	Yes 4
Interstates	US Bureau Transportation Statistics	intrstat.shp	(CD 2) \usa	Yes 4
Major Road Net	US Bureau Transportation Statistics	majrdnet.shp	(CD 1) \usa	Yes 4
Major Roads (by state)	GDT	(by state, i.e. cards.shp)	(by state, i.e. \ ca) (CD 3) \ westusa (CD 4) \eastusa (CD 5) \southusa	Yes 1,2
Major Roads	GDT	mjrrds.shp	(CD 1) \usa	Yes 1,2
Railroads	US Bureau	rail100k.shp	(CD 2) \usa	Yes 4

	Transportation Statistics			
Parks	National Park Service, ArcUSA, GDT	parks.shp	(CD 1) \ usa	Yes 1,2
Major Water	GDT	mjwater.shp	(CD 2) \usa	Yes 1,2
Lakes and rivers	ArcWorld	lakes.shp, rivers.shp, drainage.shp	(CD 1) \usa	Yes 1,2,3
Rivers (by state)	GDT	(by state, i.e. carivers.shp)	(by state, i.e. \ ca) (CD 3) \ westusa (CD 4) \eastusa (CD 5) \southusa	Yes 1,2
Metropolitan Statistical Areas	ESRI, Census, CACI Pop1999 variable	msa96.shp	(CD 2) \usa	Census - Yes 4 CACI - Yes 2
Designated Market Areas	GDT	dma95.shp	(CD 1) \usa	Yes 1,2
Urbanized Areas	US Bureau Transportation Statistics, Census	Urban.shp	(CD 2) \usa	Yes 4
Congressional Districts 104th	US Bureau Transportation Statistics	cd104.shp	(CD 2) \usa	Yes 4
Numbering Plan Area Boundaries	GDT	areacode.shp	(CD 1) \usa	Yes 1,2
ZIP codes (point locations)	GDT	zip_usa.shp	(CD 1) \usa	Yes 1,2
ZIP code areas	GDT, CACI Pop1999 variable	zip_poly.shp	(CD 2) \usa	GDT - Yes 1,2 CACI - Yes 2
ZIP code areas (by state)	GDT, CACI Pop1999 variable	(by state, i.e. cazip.shp)	(by state, i.e. \ ca) (CD 3) \ westusa (CD 4) \eastusa (CD 5) \southusa	GDT - Yes 1,2 CACI - Yes 2
3 digit Zip code area	Derived from GDT, CACI Pop1999 variable	zip3.shp	(CD 2) \usa	GDT - Yes 1,2 CACI - Yes 2
Census Tracts	GDT, CACI Pop1999 variable	tracts.shp	(CD 2) \usa	GDT - Yes 1,2 CACI - Yes 2
Census Tracts (by state)	GDT, CACI Pop1999 variable	(by state, i.e. catrct.shp)	(by state, i.e. \ ca) (CD 3) \ westusa (CD 4) \eastusa (CD 5) \southusa	GDT - Yes 1,2 CACI - Yes 2
Census Block	GDT	(by state, i.e.	(by state, i.e. \	Yes 1,2

Groups (by state)		cablkgrp.shp)	ca)	
			(CD 3) \ westusa (CD 4) \eastusa (CD 5) \southusa	
Block Centroid Population (by state)	Census	(by state, i.e. capop.shp)	(by state, i.e. \ ca)	Yes 4
			(CD 3) \ westusa (CD 4) \eastusa (CD 5) \southusa	
Areas of Dominant Influence (ADIs)	ESRI, according to information on a map published by the Arbitron Ratings Company.	Adi.shp	(CD 1) \usa	No
The MapFactory images	The MapFactory, Inc.	irs.tif, landsat.tif, mapfctry.sid, spot.tif	(CD 5) \images	No
Topographic relief image of North America	ESRI, USGS Public Domain	usa_shd.tif	(CD 5) \images	Yes 4
Airports	GDT	airports.shp	(CD 2) \usa	Yes 1,2
Institutions	GDT	institut.shp	(CD 2) \usa	Yes 1,2
Large Area Landmarks	GDT	lalndmrk.shp	(CD 2) \usa	Yes 1,2
Parks (GDT)	GDT	parksgdt.shp	(CD 2) \usa	Yes 1,2
Recreation Areas	GDT	recareas.shp	(CD 2) \usa	Yes 1,2
Retail Centers	GDT	retlcntr.shp	(CD 2) \usa	Yes 1,2
Transportation Terminals	GDT	tranterm.shp	(CD 2) \usa	Yes 1,2
Buildings	USGS - GNIS	gblding.shp	(CD 2) \usa	Yes 4
Cemetery	USGS - GNIS	gcemetry.shp	(CD 2) \usa	Yes 4
Church	USGS - GNIS	gchurch.shp	(CD 2) \usa	Yes 4
Golf	USGS - GNIS	ggolf.shp	(CD 2) \usa	Yes 4
Hospital	USGS - GNIS	ghospitl.shp	(CD 2) \usa	Yes 4
Locales	USGS - GNIS	glocale.shp	(CD 2) \usa	Yes 4
Populated Places	USGS - GNIS	gppl.shp	(CD 2) \usa	Yes 4
Schools	USGS - GNIS	gschools.shp	(CD 2) \usa	Yes 4
Summits	USGS - GNIS	gsummit.shp	(CD 2) \usa	Yes 4
Europe				
Countries	DCW	country.shp	(CD 1) \europe	Yes 4
Sub-country administrative units	ArcWorld Supplement	admins.shp	(CD 1) \europe	Yes 4
Cities	ArcWorld Supplement	cities.shp	(CD 1) \europe	Yes 4

Major Urbanized Areas	DCW	mjurban.shp	(CD 1) \europe	Yes 4
Major Rivers	DCW	mjrivers.shp	(CD 1) \europe	Yes 4
Places	DCW	places.shp	(CD 1) \europe	Yes 4
Roads	DCW	roads.shp	(CD 1) \europe	Yes 4
Railroads	DCW	railroad.shp	(CD 1) \europe	Yes 4
Urbanized Areas	DCW	urban.shp	(CD 1) \europe	Yes 4
Water	DCW	water.shp	(CD 1) \europe	Yes 4
Rivers	DCW	rivers.shp	(CD 1) \europe	Yes 4

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Europe sub Country Administrative Units

Technical description

GeoDataset name: Sub Country Administrative Units

Europe sub Country Administrative Units represent 582 first level administrative units such as states and provinces.

· Administrative Units -- Europe sub Country Administrative Units
582 polygons, 11 descriptive fields. Contains Europe sub Country Administrative Units.
Fields:
Fips_admin -- The two-letter, two-number FIPS code for a first-level administrative unit. Example: The code for the state of Troms, Norway, is NO18, where NO is the two-letter FIPS Code for Norway, and 18 is the number assigned to Troms. For countries without administrative units, this field contains only the two-letter country code. (String)
Gmi_admin -- A three-letter country code combined with a three-letter code for a first-level administrative unit.   Example: The code for the province of Komi, Russia, is RUS-KOM.   For countries without administrative units, only the three-letter country code is present in this field. (String)

Admin_name -- The name of a first-level administrative unit.   Example: Komi. (String)

Fips_cntry -- The two-letter country code from the United States Federal Information Processing Standard (FIPS) coding scheme.   Example: The code for the United Kingdom is UK. (String)

Cntry_name -- The name of a country. These names are shortened and are not official. Example: Turkey (the official name is Republic of Turkey). (String)

Pop_admin -- The population of a first-level administrative unit.   (Source: NCGIA,   The Global Demography Project.   Populations are 1994 estimates.   This field contains –99999 for areas that did not match an area in GDP data. (Number)

Sqkm_admin -- The area of a first-level administrative unit in square kilometers. (Number)

Sqmi_admin -- The area of a first-level administrative unit in square miles. (Number)

Type_eng -- The English name for the type of administrative unit.   Examples: State, Province, Prefecture. (String)

Type_loc -- The local name for the type of administrative unit.   Examples: Estado, Bundesland. (String)

Color_map -- Contains a number from 1 to 12. These numbers allow you to quickly symbolize a political map so that adjacent administrative units have different colors or fill symbols.   Any color can be assigned to each of these numbers. (String)

Europe sub Country Administrative Units - Technical Description

GeoDataset name: Sub Country Administrative Units

Shapefile name: Admins.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Administrative units is an ESRI shapefile with polygon features.

GeoDataset lineage: The sub Country Administrative Units are derived from ESRI's ArcWorld Supplement database.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

Europe Cities

<u>Technical description</u>

GeoDataset name: Cities

Europe Cities contains the locations of more than 600 cities, including national capitals, first-level administrative unit capitals, major population centers, and landmark cities.

· Cities -- Europe Cities
605 points, 7 descriptive fields. Contains Europe cities.
Fields:
City_name -- The city name.   Example: Bruxelles. (String)
Admin_name -- The name of a first-level administrative unit.   Example: Brabant. (String)
Cntry_name -- The name of a country.   These names are shortened and are not official. Example: Turkey (the official name is Republic of Turkey). (String)

Status -- The status of the city. For countries without administrative unit capitals, (regions that historically have had strongly centralized governments), the chief or principal city of an administrative unit is indicated as the provincial capital. For dependencies and areas of special sovereignty, capital cities are classified as provincial capitals. For a city that is the capital of more than one administrative unit, the city is an enclave city. Typically one unit is smaller and is contained within, or borders on, the other, larger, unit. Each enclave city has only one point in this data set. (String)

Pop_rank -- The rank of the city's population class.   (The ranks are described with the population classes, below.) (Number)

Pop_class -- A classification of the city based on its population.   Population is for a city proper and not a metropolitan area. (String)

Port_id -- For port cities, this field contains the Port Identification Number, which is based on the U.S. National Imagery and Mapping Agency *World Port Index*. For cities that are not a port, this field contains a 0. (Number)

Europe Cities - Technical Description

GeoDataset name: Cities

Shapefile name: Cities.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Cities is an ESRI shapefile with point features.

GeoDataset lineage: Europe Cities are derived from ESRI's ArcWorld Supplement database.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

Europe Countries

GeoDataset name: Countries

Europe countries represent 54 countries including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Ukraine and Slovenia.

· Countries -- Europe Countries
54 polygons, 1 descriptive field. Contains Europe countries.
Fields:
Name -- The country name. (String)

Europe Countries - Technical Description

GeoDataset name: Countries

Shapefile name: Country.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Countries is an ESRI shapefile with polygon features.

GeoDataset lineage: The countries are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

Europe Major Rivers

Technical description

GeoDataset name: Major Rivers

Major rivers contains the major rivers in Europe.

· Major Rivers -- Europe Major Rivers
367 lines, 1 descriptive field. Contains Europe major rivers.
Fields:
Name -- The major river name. (String)

Europe Major Rivers - Technical Description

GeoDataset name: Major Rivers

Shapefile name: Mjrivers.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Major Rivers is an ESRI shapefile with line features.

GeoDataset lineage: The major rivers are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:3,000,000

    For all of Europe: 1:100,000,000

Europe Major Urbanized Areas

<u>Technical description</u>

GeoDataset name: Major Urbanized Areas

The major urbanized areas are depictions of the largest urbanized areas of Europe. They represent the shape of the major urbanized area as viewed from the air. These outlines do not necessarily conform to political boundaries.

▪ Major Urbanized Areas -- Europe Major Urbanized Areas
5,832 polygons, 2 descriptive fields. Contains Europe major urbanized areas.
Fields:
Type_desc -- The type of major urbanized area. (String)
Name -- The major urbanized area name. (String)

Europe Major Urbanized Areas   - Technical Description

GeoDataset name: Major Urbanized Areas

Shapefile name: Mjurban.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Major Urbanized Areas is an ESRI shapefile with polygon features.

GeoDataset lineage: Europe major urbanized areas are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

Europe Places

<u>Technical description</u>

GeoDataset name: Places

Places contains the populated places in Europe.

· Places -- Europe Places
35,853 points, 2 descriptive fields. Contains Europe places.
Fields:
Ppptname -- The populated place name. (String)
Type_desc -- The type of populated place. (String)

Europe Places - Technical Description

GeoDataset name: Places

Shapefile name: Places.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Places is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for places are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:3,000,000

    For all of Europe: 1:100,000,000

Europe Railroads

<u>Technical description</u>

GeoDataset name: Railroads

Railroads contains the railroads in Europe.

· Railroads -- Europe Railroads
44,889 lines, 2 descriptive fields. Contains Europe railroads.
Fields:
Type_desc -- The railroad line type. (String)
Stat_desc -- The railroad line status. (String)

Europe Railroads - Technical Description

GeoDataset name: Railroads

Shapefile name: Railroads.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Railroads is an ESRI shapefile with line features.

GeoDataset lineage: The railroads are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:3,000,000

    For all of Europe: 1:100,000,000

Europe Rivers

Technical description

GeoDataset name: Rivers

The rivers contains the rivers in Europe.

· Rivers -- Europe Rivers
80,128 lines, 3 descriptive fields. Contains Europe rivers.
Fields:
Type_desc -- The type of river. (String)
Stat_desc -- The status of river. (String)
Name -- The river name. (String)

Europe Rivers - Technical Description

GeoDataset name: Rivers

Shapefile name: Rivers.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Rivers is an ESRI shapefile with line features.

GeoDataset lineage: Europe Rivers are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:3,000,000

    For all of Europe: 1:100,000,000

Europe Roads

Technical description

GeoDataset name: Roads

Roads contains the roads in Europe.

· Roads -- Europe Roads
110,979 lines, 2 descriptive fields. Contains Europe roads.
Fields:
Type_desc -- The road line type. (String)
Stat_desc -- The road status type. (String)

Europe Roads - Technical Description

GeoDataset name: Roads

Shapefile name: Roads.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Roads is an ESRI shapefile with line features.

GeoDataset lineage: Europe Roads are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

Europe Urbanized Areas

GeoDataset name: Urbanized Areas

The urbanized areas are depictions of the urbanized areas of Europe. They represent the shape of the urbanized area as viewed from the air. These outlines do not necessarily conform to political boundaries.

▪ Urbanized Areas -- Europe Urbanized Areas
15,638 polygons, 2 descriptive fields. Contains Europe urbanized areas.
Fields:
Type_desc -- The type of urbanized area. (String)
Name -- The urbanized area name. (String)

Europe Urbanized Areas   - Technical Description

GeoDataset name: Urbanized Areas

Shapefile name: Urban.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Urbanized Areas is an ESRI shapefile with polygon features.

GeoDataset lineage: Europe urbanized areas are from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

Europe Water

Technical description

GeoDataset name: Water

Water contains all the perennial inland water for Europe.

· Water -- Europe Water
29,741 polygons, 1 descriptive field. Contains Europe water.
Fields:
Type_desc -- The type of water. (String)

Europe Water - Technical Description

GeoDataset name: Water

Shapefile name: Water.shp

Path: ESRI Data & Maps 1 (CD) \europe

GeoDataset type: Water is an ESRI shapefile with polygon features.

GeoDataset lineage: Europe water is from the Digital Chart of the World which is based on 1:1,000,000 scale source maps.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:3,000,000

   For all of Europe: 1:100,000,000

The MapFactory Data contained on this CD

The MapFactory's Hi-resolution imagery
{button 1 Foot Imagery,JI(`',`MapFactory_Imagery')}

Indian Remote Sensing Satellite imagery
{button IRS 5 meter Imagery,JI(`',`IRS')}

SPOT Image corp. Satellite imagery
{button SPOT 10 meter Imagery,JI(`',`SPOT')}

Landsat Thematic Mapper Satellite imagery
{button Landsat 28 meter Imagery,JI(`',`Landsat')}

Links to the other MapFactory datasets...

IRS (Indian Remote Sensing) Satellite

Technical description

GeoDataset name: IRS 5 meter panchromatic. Image
The Sample IRS Image dataset contains a geocoded IRS Panchromatic image of the greater Orlando Florida region.(Note: the data source IRS.tif   is delivered on the ArcView CD-ROM.)

File Names:
IRS.tif -- Indian Remote Sensing Satellite imagery

Path:
ESRI Data & Maps 5 (CD) \images

GeoDataset type:
IRS.tif is a geocoded satellite image acquired by the Indian Remote Sensing Satellite in early 1997. The .tif image is an uncompressed tiff (tagged image file format) with a .tfw file.

Coordinate system:
Florida-East StatePlane (NAD27) in feet.

General description of the IRS image.

IRS panchromatic imagery offers 5.8-meter spatial resolution, is among the highest resolution satellite imagery available on the commercial market today. IRS imagery is a gray-scale   image which providing a unique combination of large-area coverage without compromising spatial detail. The IRS satellite has the ability to revisit the same location every five days.

IRS imagery products are ideal for applications that do not require a high degree of positional accuracy. For many applications, five-meter panchromatic imagery provides the perfect balance of detail with a big-picture overview. Such applications include urban planning, port monitoring and emergency response.

Example of the level of detail seen on the IRS 5.8 meter Imagery

Useful display scales:
        Largest scale: 1:26,000
        Smallest scale: 1:70,000

Usage notes:
        When overlaying vector data on the image the view must be projected into Florida-East   State Plane (NAD27) in feet before you add the Orlando Image data source to the view. This step is necessary because the vector data sources are in latitude and longitude coordinates.

Ordering Info:
        The MapFactory, Inc. can provide you with quality hi-resolution imagery that will jumpstart your application. Call for more information (1-877-MAP-FACT or http://www.mapfactory.com/) and give this number when ordering, **8765**

Links to the other MapFactory datasets...

Landsat TM (Thematic Mapper)

Technical description

GeoDataset name: Landsat TM Multispectral Image
   The Sample Landsat TM Image dataset contains an geocoded 28.5 meter image over   Orlando Florida
   (Note: the data source Landsat.tif   is delivered on the ArcView CD-ROM.)

File Names:
   Landsat.tif -- Landsat Thematic Mapper 28.5meter geocoded image

Path:
   ESRI Data & Maps 5 (CD) \images

GeoDataset type:
   Landsat.tif is a geocoded satellite image acquired by Space Imaging in early 1997.   The .tif image is an
   uncompressed tiff (tagged image file format) with a .tfw file.

Coordinate system:
   Florida-East StatePlane (NAD27) in feet.

General description of the Landsat TM image.

   Landsat   imagery is acquired by the U.S. Landsat Thematic Mapper (TM) sensor. This imagery has 30-
   meter spatial resolution, is resampled to a 28-meter pixel size, and covers a 31,000 square-kilometer scene
   size. The Landsat TM Sensor acquires its data from an altitude of 705Km . The TM sensor acquires seven
   bands of multispectral information in the visible, near-infrared, short-wave shortwave infrared and thermal
   infrared portions of the electromagnetic spectrum.   The scene below was created by combining the visible
   bands into a natural color composite which was georeferenced to the USGS 1:24,000 Topo maps.

Example of the level of detail seen on the Landsat 28.5 meter image

Useful display scales:
Largest scale: 1:26,000
Smallest scale: 1:125,000

Usage notes:
When overlaying vector data on the image the view must be projected into Florida-East   State Plane (NAD27) in feet before you add the Orlando Image data source to the view. This step is necessary because the vector data sources are in latitude and longitude coordinates.

Ordering Info:
The MapFactory, Inc. can provide you with quality hi-resolution imagery that will jumpstart your application. Call for more information (1-877-MAP-FACT or http://www.mapfactory.com/) and give this number when ordering, **8765**

Links to the other MapFactory datasets...

The MapFactory Imagery

Technical description

GeoDataset name: Orlando 1 foot Image
> The Sample Orlando Image dataset contains an orthorectified aerial photo covering approximately 10 square miles of Orlando Florida (Note: the data source mapfactory.tif   and mapfactory.sid are delivered on the ArcView CD-ROM.)

File Names:
> *mapfactory.tif* -- Sample orthorectified aerial photo uncompressed tif format.
> *mapfactory.sid*   Sample orthorectified aerial photo in Mr. SID compressed format.

Path:
> ESRI Data & Maps 5 (CD) \images

GeoDataset type:
> *mapfactory.tif* & *mapfactory.sid* are a color orthorectified aerial photograph acquired in early 1998. The .tif image is an uncompressed tiff (tagged image file format) with a .tfw file.   The mapfactory.sid is a 20:1 compressed version of the tif image with a .sif file for use with the Mr. SID extension within ArcView.

Coordinate system:
> Florida-East StatePlane (NAD27) in feet.

General description of The MapFactory 1 foot color imagery.
> The 1 foot ground resolution imagery is a new MapFactory product that is designed for neighborhood mapping applications where resolution is important and USGS 1:24,000 national map accracy is adequate. This is a traditional aerial photograph that was acquired in early 1998 and has been orthorectified to 1:24,000 USGS topo maps.   Some potential uses include: Site selection, parcel evaluation, potential line of site evaluation, optimize basemap creation, locate cell towers, and count cars in the parking lot.

Example of the level of detail seen on the 1 foot imagery

Useful display scales:
Largest scale: 1:500
Smallest scale: 1:10,000

Usage notes:
When overlaying vector data on the image the view must be projected into Florida-East   State Plane (NAD27) in feet before you add the Orlando Image data source to the view. This step is necessary because the vector data sources are in latitude and longitude coordinates.

Ordering Info:
The MapFactory, Inc. can provide you with quality hi-resolution imagery that will jumpstart your application. Call for more information (1-877-MAP-FACT or http://www.mapfactory.com/) and give this number when ordering, **8765**

Links to the other MapFactory datasets...

SPOT Image Corporation

Technical description

GeoDataset name: SPOT 10meter panchromatic. Image
The Sample SPOT Image dataset contains a geocoded panchromatic image of the greater Orlando Florida region.(Note: the data source SPOT.tif   is delivered on the ArcView CD-ROM.)

File Names:
SPOT.tif -- SPOT image corp. satellite imagery

Path:
ESRI Data & Maps 5 (CD) \images

GeoDataset type:
 SPOT.tif is a geocoded satellite image acquired by the SPOT image corp. in early 1997.   The .tif image is an uncompressed tiff (tagged image file format) with a .tfw file.

Coordinate system:
Florida-East StatePlane (NAD27) in feet.

General description of the SPOT image.
Three SPOT Image satellites orbit approximately 516 miles (832 kilometers) above the earth. Each satellite is capable of acquiring an image that covers nearly 1,400 square miles (3,600 square kilometers) of the earth's surface every nine seconds. SPOT's panchromatic and multispectral sensors detect four different regions (bands) of the electromagnetic spectrum. The Sandy Springs image, a panchromatic image, is a black-and-white representation of energy in the visible green and red wavelengths. The image has a spatial resolution of 10 meters, an area approximately the size of half a tennis court.

Example of the level of detail seen on the SPOT 10meter image

Useful display scales:
Largest scale: 1:26,000
Smallest scale: 1:70,000

Usage notes:
When overlaying vector data on the image the view must be projected into Florida-East   State Plane (NAD27) in feet before you add the Orlando Image data source to the view. This step is necessary because the vector data sources are in latitude and longitude coordinates.

Ordering Info:
The MapFactory, Inc. can provide you with quality hi-resolution imagery that will jumpstart your application. Call for more information (1-877-MAP-FACT or http://www.mapfactory.com/) and give this number when ordering, **8765**

Mexico Cities

Technical description

GeoDataset name: Cities

Mexico Cities contains locations for 36 major Mexican cities. The cities include capitals for each of the 32 states in Mexico States.

- **Cities -- Mexico Cities**

36 points, 4 fields. Contains locations for major Mexican cities.

Snapshot

Fields:

Name -- The city name. (String)

Capital -- Capital city indicator. (String)

   Y = City is a state capital

   N = City is not a state capital

   C = City is the national capital

State_name -- The name of the state in which a city is located. (String)

Population -- The city population estimate for 1990. (Number)

Mexico Cities - Technical Description

GeoDataset name: Cities

Shapefile name: cities.shp

Path: ESRI Data & Maps 1 (CD) \mexico

GeoDataset type: Cities is an ESRI shapefile with point features.

GeoDataset lineage: Mexican city locations are from the Digital Chart of the World. City attributes are from the Rand McNally New International Atlas and the Times Atlas of the World. (See Bibliography.)

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

The 5 point symbol was used to determine the following scales:
   Largest scale: 1:5,000,000
   Smallest scale: 1:30,000,000

Mexico Lakes and Rivers

Technical description

GeoDataset name: Waters

Mexico Lakes and Rivers contains the major water bodies and rivers in Mexico.

- **Lakes -- Mexico Lakes**

3 regions, 2 descriptive fields. Contains major lakes and reservoirs within Mexico.
Snapshot
Fields:
Area -- The lake area in square miles using Albers Equal Area(North America) projection. (Number)
Name -- The lake name. (String)

- **Drainage -- Mexico Drainage Systems**

6 routes, 1 descriptive field. Contains the major drainage systems within Mexico.
Snapshot

Fields:

System -- The drainage system name (only for selected drainage systems). (String)

- **Rivers -- Mexico Rivers**

30 routes, 2 descriptive fields. Contains major rivers within Mexico.
Snapshot
Fields:
Name -- The river name. (String)
System -- The drainage system name (only for selected drainage systems). (String)

Mexico Lakes and Rivers - Technical Description

GeoDataset name: Lakes and Rivers

Shapefile names: Lakes.shp, Rivers.shp, Drainage.shp

Path: ESRI Data & Maps 1 (CD) \mexico

GeoDataset type: Lakes is an ESRI shapefile with polygon features, drainage and rivers are ESRI shapefiles with line features.

GeoDataset lineage: The Mexico Lakes and Rivers data source was generalized from ESRI's ArcWorld 1:3,000,000-scale database. Names are from the Rand McNally New International Atlas, the Times Atlas of the World, (see Bibliography) and the Digital Chart of the World.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

    Largest scale: 1:5,000,000
    Smallest scale: 1:25,000,000

Mexico Roads

Technical description

GeoDataset name: Roads

Mexico Roads contains major roads within Mexico. Use the Mexico Roads to display the roads by their administrative class, toll information, and route number (e.g., Federal Hwy 190). Use the Mexico Routes only to display roads by their route number.

- **Roads_rt -- Mexico Routes**

28 routes, 1 descriptive field. Defines major Mexican highway routes.
Snapshot
Fields:
Route -- A combination of administrative class and the route number. Example: Federal 10. (String)

- **Roads -- Mexico Road Segments**

105 arcs, 6 descriptive fields. Contains individual line segments for major Mexican highway routes.
Snapshot
Fields:
Type -- Contains one of the following strings:
   Multi-Lane Divided
   Paved Divided
   Paved Undivided

Admn_class -- Indicates the administrative class of the road. Contains one of the following strings:
   Federal
   State

Toll_rd -- Indicates whether a toll is collected (Y/N). (String)

Rte_num1 -- The primary route number. (String)

Rte_num2 -- The secondary route number, if any. (String)

Route -- A combination of administrative class and the primary route number.
Example: Federal Hwy 130. (String)

Mexico Roads - Technical Description

GeoDataset name: Roads

Shapefile name: Roads.shp, Roads_rt.shp

Path: ESRI Data & Maps 1 (CD) \mexico

GeoDataset type: Roads and roads_rt are ESRI shapefiles with line features.

GeoDataset lineage: The Mexico Roads data source was generalized from the Digital Chart of the World. Road attributes were derived from the AAA Road Atlas and the Rand McNally Road Atlas. (See Bibliography.)

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

    Largest scale: 1:5,000,000
    Smallest scale: 1:25,000,000

Mexico States

Technical description

GeoDataset name: States

Mexico States represents the 32 Mexican states as well as coastline, international boundaries, and state boundaries.

· States -- Mexico States
32 regions, 9 descriptive fields. Defines Mexican states.
Snapshot
Fields:
Area -- The state area in square miles using Albers Equal Area(North America) projection. (Number)
Code -- A code for the state. (String)
Name -- The state name. (String)
Pop1990 -- A state's total population for 1990. (Number)

Pop90_sqmi -- A state's 1990 population per square mile. (Number)

P_urban90 -- Percentage of the 1990 population living in urban areas. (Number)

P_ing_lang -- Percentage of people five years of age and older that speak an indigenous language. (Number)

P_empl_sec -- Percentage of the employed population involved in mining, petroleum and gas, manufacturing, electric energy generation, and construction activities. (Number)

Hse_unit90 -- The number of housing units in 1990. (Number)

Mexico States - Technical Description

GeoDataset name: Mexico

Shapefile name: States.shp

Path: ESRI Data & Maps 1 (CD) \mexico

GeoDataset type: Mexico States is an ESRI shapefile with polygon features.

GeoDataset lineage: Mexico States was generalized from ESRI's ArcWorld 1:3,000,000 and 1;25,000,000 databases. State codes are from the Defense Intelligence Agency Manual (DIAM) 65-18. The Mexico Demographics attributes come from the Mexican Investment Board and were provided by Realty Network, Inc., Scottsdale, Arizona.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1927.

Coordinate precision: Single.

Useful display scales:

When displaying the entire country:
   Largest scale: 1:5,000,000
   Smallest scale: 1:25,000,000

Major Roads - number of features

State	Number of features
AK	868
AL	6686
AR	8392
AZ	5152
CA	36277
CO	6375
CT	5634
DC	527
DE	1164
FL	18430
GA	10473
HI	752
IA	10918
ID	2789
IL	19366
IN	10443
KS	7068
KY	7694
LA	7625
MA	11016
MD	6478
ME	3923
MI	14687
MN	11683
MO	11652
MS	5494
MT	2366
NC	14265
ND	2779
NE	3468
NH	2699
NJ	13161
NM	3037
NV	1633
NY	19909
OH	19144
OK	7036
OR	7509
PA	22343
RI	1839
SC	6660
SD	2140
TN	8278
TX	35597
UT	3513
VA	10312
VT	1378
WA	10102
WI	11640
WV	4793
WY	2350

Tracts - number of features

State	Number of features
AK	190
AL	1062
AR	593
AZ	810
CA	5842
CO	979
CT	834
DC	192
DE	175
FL	2445
GA	1470
HI	263
IA	784
ID	269
IL	2841
IN	1382
KS	684
KY	997
LA	1105
MA	1332
MD	1151
ME	384
MI	2551
MN	1230
MO	1248
MS	581
MT	286
NC	1482
ND	227
NE	446
NH	266
NJ	1937
NM	390
NV	269
NY	4858
OH	2861
OK	991
OR	727
PA	3167
RI	235
SC	854
SD	197
TN	1221
TX	4046
UT	398
VA	1668
VT	181
WA	1150
WI	1338
WV	473
WY	162

Zip Code Areas - number of features

State	Number of features
AK	216
AL	604
AR	580
AZ	301
CA	1646
CO	423
CT	267
DC	27
DE	57
FL	885
GA	683
HI	91
IA	910
ID	249
IL	1248
IN	682
KS	691
KY	728
LA	479
MA	492
MD	430
ME	430
MI	897
MN	865
MO	992
MS	374
MT	323
NC	729
ND	380
NE	571
NH	239
NJ	544
NM	279
NV	116
NY	1598
OH	1014
OK	589
OR	392
PA	1468
RI	72
SC	372
SD	378
TN	600
TX	1727
UT	222
VA	849
VT	249
WA	518
WI	716
WV	616
WY	140

Block Groups - Number of features

State	Number of features
AK	689
AL	3830
AR	2376
AZ	3379
CA	21499
CO	3483
CT	2904
DC	576
DE	534
FL	9075
GA	5156
HI	586
IA	2939
ID	1122
IL	10796
IN	5451
KS	2966
KY	3529
LA	4067
MA	5601
MD	3670
ME	1310
MI	9629
MN	4443
MO	5165
MS	2391
MT	1021
NC	5695
ND	1108
NE	1944
NH	1016
NJ	7033
NM	1588
NV	841
NY	15860
OH	10537
OK	3689
OR	2675
PA	11864
RI	897
SC	3248
SD	979
TN	4417
TX	15664
UT	1347
VA	4963
VT	595
WA	4618
WI	4959
WV	1804
WY	792

Block Population - number of features

State	Number of features
AK	16979
AL	167298
AR	131254
AZ	101269
CA	392918
CO	114865
CT	50571
DC	5135
DE	15136
FL	303055
GA	197469
HI	13381
IA	149222
ID	57335
IL	291407
IN	190062
KS	160893
KY	124125
LA	138138
MA	103215
MD	73780
ME	51202
MI	237027
MN	172499
MO	200280
MS	115050
MT	60305
NC	219601
ND	83762
NE	109232
NH	33572
NJ	125200
NM	78223
NV	31388
NY	274759
OH	247048
OK	160145
OR	102745
PA	310668
RI	19447
SC	136213
SD	69946
TN	167636
TX	511960
UT	45030
VA	144371
VT	22788
WA	128109
WI	180898
WV	71299
WY	53237

Rivers - number of features

State	Number of features
AK	14004
AL	23759
AR	11312
AZ	2049
CA	33109
CO	12938
CT	5585
DC	16
DE	1816
FL	21586
GA	24383
HI	2771
IA	7278
ID	27810
IL	10504
IN	7942
KS	5371
KY	19258
LA	23181
MA	6968
MD	7314
ME	13709
MI	16209
MN	15130
MO	9943
MS	9646
MT	21992
NC	27786
ND	1646
NE	6174
NH	5853
NJ	7739
NM	3572
NV	6388
NY	26294
OH	12720
OK	6091
OR	25751
PA	25913
RI	905
SC	18261
SD	2071
TN	36239
TX	18712
UT	6689
VA	20209
VT	3633
WA	23590
WI	13419
WV	13049
WY	12438

Canada Coastlines and Boundaries

International
Boundary

Canada Cities

Canada Drainage Systems

Canada Lakes

Reindeer Lake

Southern Indian Lake

Hudson Bay

Lac La Ronge

Cedar Lake

Island Lake

Lake Winnipegosis

Lake Winnipeg

Lake Manitoba

Lake Nipigon
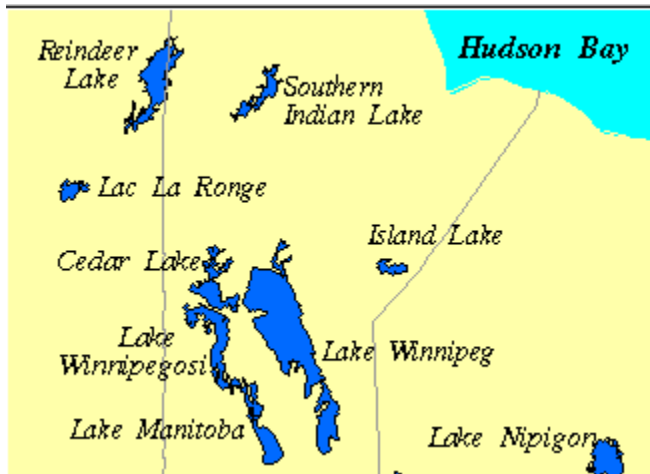
Canada Provinces
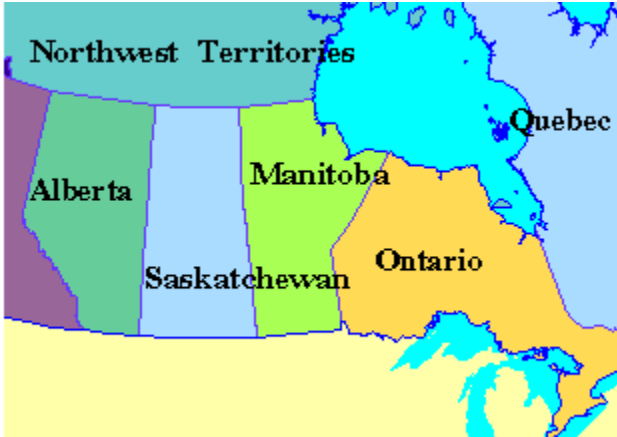
Canada Road Segments
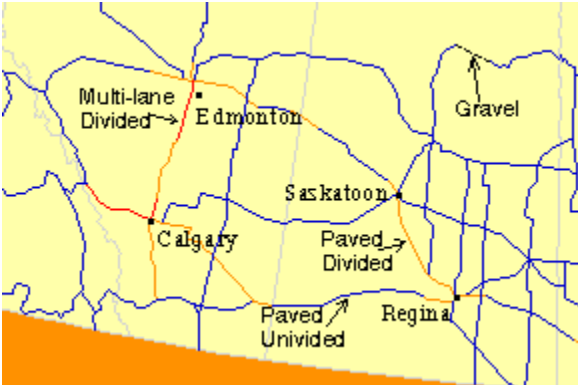
Canada Routes

Canada Rivers

Canada Rivers and Shorelines

Mexico Cities

Mexico Drainage Systems

Mexico Lakes

Mexico Coastlines and Boundaries

Mexico Road Segments

Mexico Routes

Mexico Rivers

Mexico States

Mexico Rivers and Shorelines

U.S. ADI
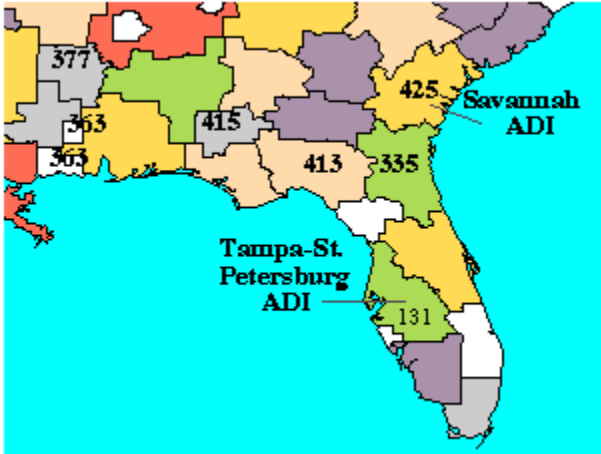
U.S. Cities
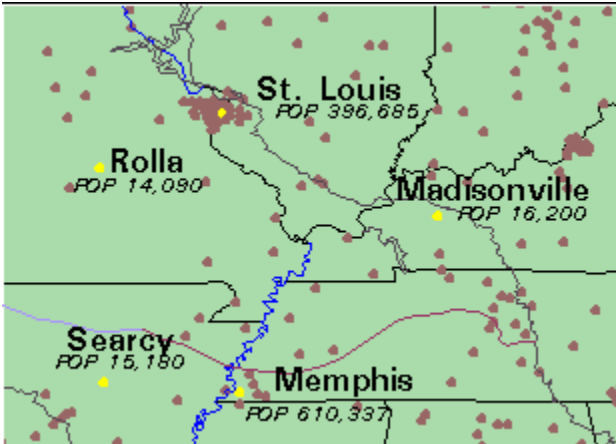
U.S. Counties
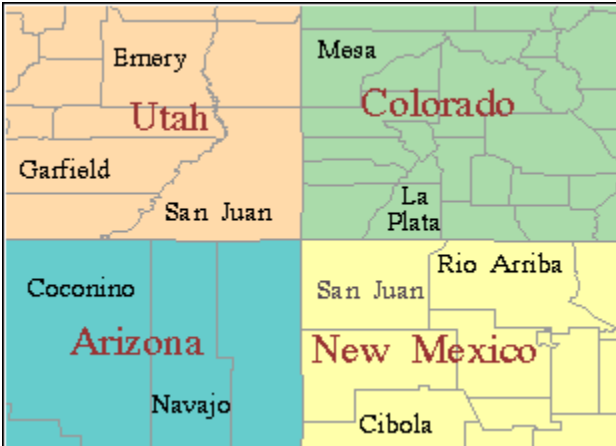
U.S. Drainage Systems

U.S. Lakes

U.S. Road Segments

U.S. Routes

U.S. Rivers

Arkansas River

Ohio River

Connecticut River

Pee Dee River

St. Johns River

U.S. States

Alaska

PACIFIC

OCEAN

Hawaii
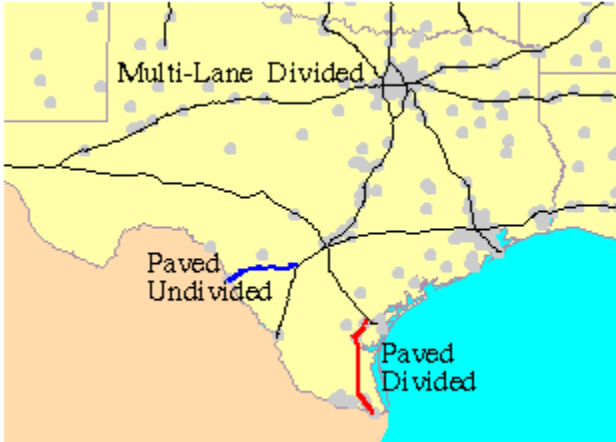
U.S. Coastlines and Boundaries

U.S. Rivers and Shorelines
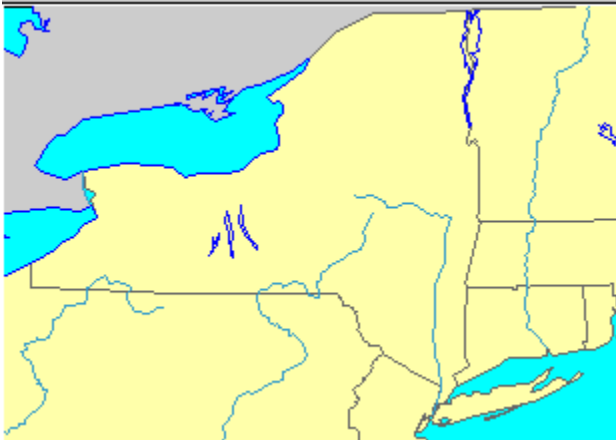
U.S. Zip Codes
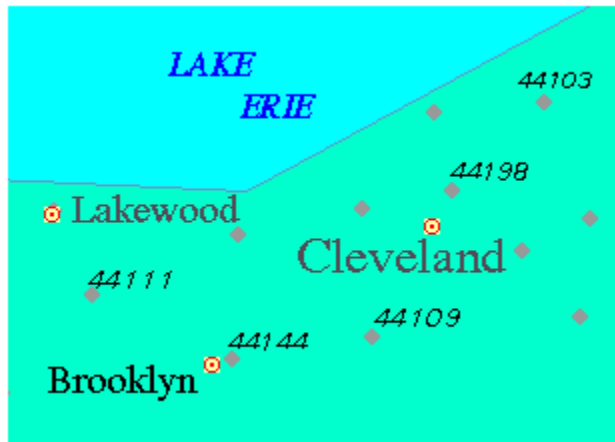
World Map Background (Wrld30)

World Cities

World Countries 1994

World Drainage Systems
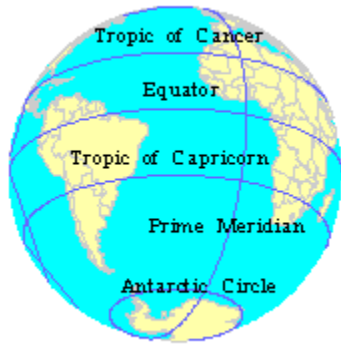
World Lakes

World Latitude/Longitude Grids (5x5)
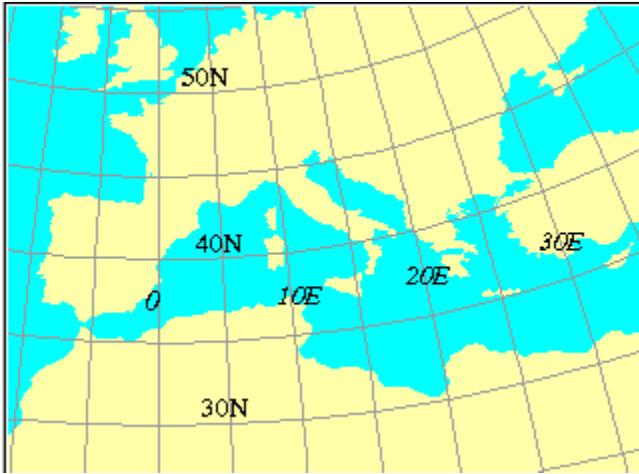
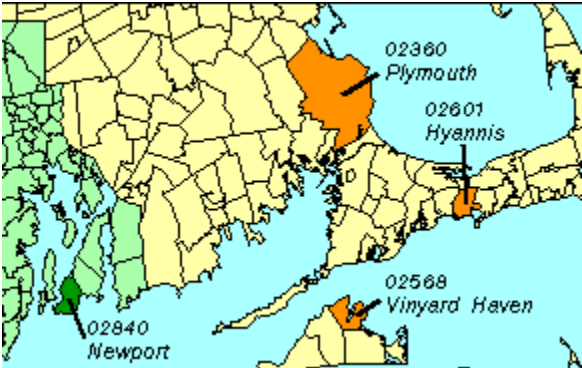# World Named Latitudes and Longitudes

World Countries 1992

World Rivers

World Rivers and Shorelines

Shoreline

River

Lake Chad

Lake Victoria

United States Zip Code Areas

02360 Plymouth

02601 Hyannis

02568 Vinyard Haven

02840 Newport

U.S. ADIs

GeoDataset name: Adi

U.S. ADIs identifies Areas of Dominant Influence (ADIs). ADIs usually consist of one or more whole counties, and represent the viewing areas of commercial and satellite television stations that receive the majority of total viewing hours based on annual statistical survey samples. They are areas defined by the Arbitron Ratings Company. ADIs are typically named for their major metropolitan area. Some ADIs have outlying areas with strong secondary influence. These areas are identified in the polygon feature class with the field non_adi_nm.

 ADI-- U.S. ADI

211 polygons, 3 descriptive fields. Defines Areas of Dominant Influence.
Snapshot
Fields:
Area -- Area in square miles. (Number)
Code -- The alphanumeric code for the ADI. (String)
Name -- The name of the ADI. (ADIs are usually named after their metropolitan area.) (String)

U.S. ADIs - Technical Description

GeoDataset name: Adi

Shapefile name: adi.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: U.S. ADIs is an ESRI shapefile with polygon features.

GeoDataset lineage: Locations of Areas of Dominant Influence were created from the U.S. Counties data source according to information on a map published by the Arbitron Ratings Company.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Single.
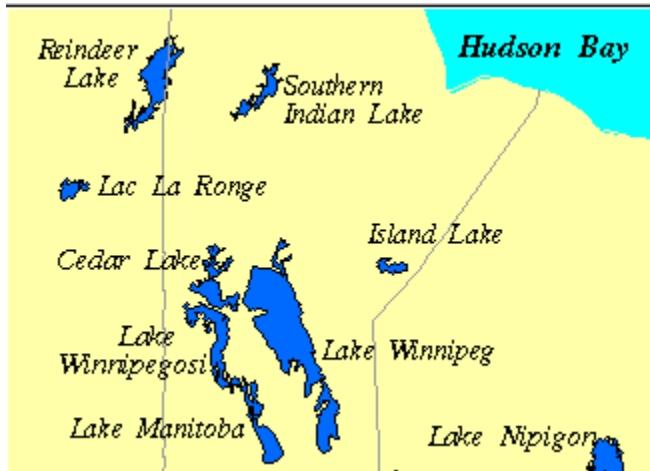
Useful display scales:

    Largest scale: 1:3,000,000

    Smallest scale: 1:25,000,000

U.S. Cities

Technical description

GeoDataset name: Cities

U.S. Cities contains locations for cities with populations of 10,000 or greater and all state capitals. Attributes include city name, FIPS code, Census type, and elevation above sea level.

 Cities -- U.S. Cities

3,149 points, 46 descriptive fields. Contains locations for important United States cities.
Snapshot
Fields:
City_fips -- The city FIPS code. (FIPS stands for the Federal Information Processing Standards.) (String)
City_name -- The city name. (String)

State_fips -- The FIPS code for the state in which the city is located. (String)

State_name -- The name of the state in which the city is located. (String)

State_city -- The combined state and city FIPS code. City codes are repeated in different states. This field provides a unique identifier. (String)

Type -- The type of city, from the U.S. Bureau of the Census definitions. Contains one of the following strings:
    borough
    census designated place
    city
    city (remainder)
    city/county
    city/county (remainder)
    town
    village

Capital -- Capital city indicator. (String)
    Y = City is a state capital
    N = City is not a state capital

Elevation -- A city's elevation above mean sea level, in feet. Attribute values of -99 are null values (data not available). (Number)

Pop1990 -- Total 1990 population for a city. (Number)

Households -- Total number of households. (Number)

Population by race and ethnicity

Population by age

Population by marital status

Composition of households

Housing unit information

U.S. Cities - Technical Description

GeoDataset name: Cities

Shapefile name: cities.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Cities is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for U.S. cities are from the U.S. Bureau of the Census 1990 Summary Tape File 1C (STF-1C).

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Single.

Useful display scales:

The 5 point symbol was used to determine the following scales:

Largest scale: 1:1,000,000
Smallest scale: 1:25,000,000 generally; 1:15,000,000 in the northeast.

U.S. County Population Estimates

Table name: Popestmt.dbf

U.S. County Population Estimates is a table with county population attributes from the Federal State Cooperative Program for Population Estimates (FSCPE). The program promotes the cooperation between the states and the U.S. Bureau of the Census.

These population estimates contain revisions of estimates from previous years and the results of special censuses and test censuses conducted by the Census Bureau.

These population estimates are for 3,142 counties or county equivalents. County boundary changes have occurred since the 1990 Census in Alaska, Maryland and Virginia.

 popestmt.dbf -- U.S. County Population Estimates
3,142 records, 94 descriptive fields. Contains United States county population estimates.
Field categories:
Fips -- The combined state and county FIPS code. County FIPS codes begin with 001 for each state, so you must use the combined code to uniquely identify a county in the country. (String)
Total Population
Population Age 65 and Over
Population Under Age 65
Births

Deaths

Net International Migration

Net Federal Movement

Net Domestic Migration

Residual

Group Quarters Population

U.S. County Population Estimates - Technical Description

Table name: Popestmt.dbf

Path: ESRI Data & Maps 1 (CD) \usa

Table type: Popestmt.dbf is a dBASE file that can be joined to the U.S. County.dbf or Dtl_cnty.dbf tables using Fips as the common field.

Table lineage: The attributes in this table come from data published by the Federal State Cooperative Program for Population Estimates (FSCPE) for the March, 1999 release of July 1, 1998 county population estimates.

U.S. Census Feature Class Codes

Table name: Cfcc.txt

The U.S. Bureau of the Census feature class codes (CFCC) provide information on the classification of a feature. The Census feature class codes (also called "FCC") are used in many geodatasets. To display Census feature class codes attributes, join the Census feature class code table to any table with Fcc or Cfcc as the common field.
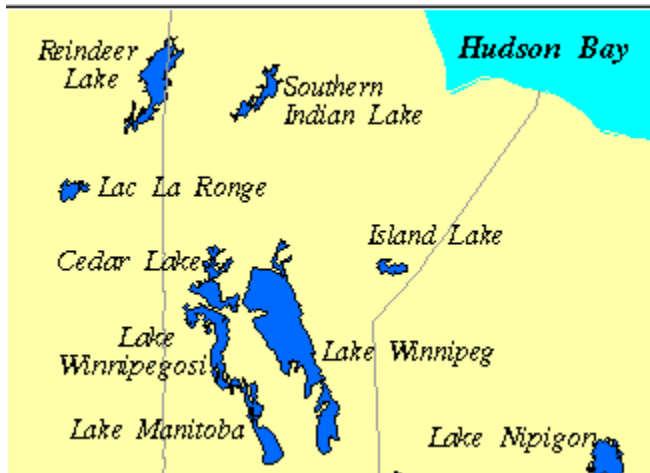
cfcc.txt -- U.S. Census Feature Class Codes

191 records, 2 descriptive fields. Contains United States Census Feature Class Codes.

Field categories:

**Cfcc** -- The Census feature class code. (String)

Description -- The description of the Census feature class code. (String)

U.S. Highway Routes

Technical description

GeoDataset name: National Highway Planning Network

U.S. Highway Routes is the National Highway Planning Network version 2.1 published by the Bureau of Transportation Statistics as part of the National Transportation Atlas Database. The National Highway Planning Network is a comprehensive database of the nations principal arterial highway system and other National Highway System routes.   The nominal scale of the data set is 1:100,000 with an maximal positional error of 80 meters.   This data set includes all U.S. Highway road segments from the original data set, but only a subset of the attributes.   The entire data set can be found on the Network Analyst CD-ROM.
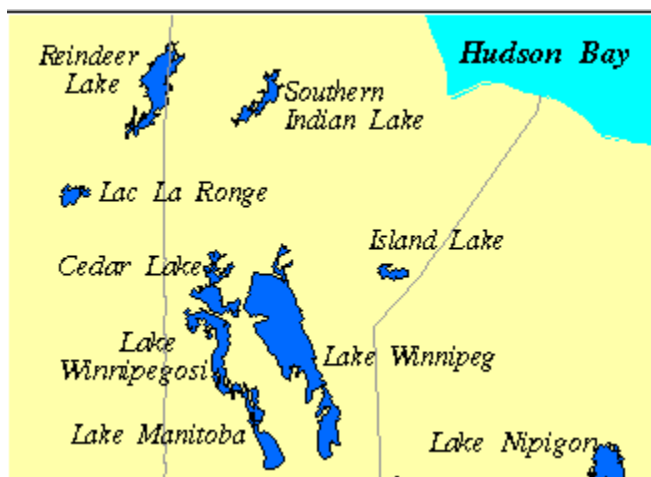
Highway Routes -- U.S. Highway Routes

470 roads, 3 descriptive fields. Identifies U.S. highway routes.

Fields:

Route_num -- A composite field that identifies the type, sign route numbers, and a qualifier. (String)

> type: (blank) - not signed,   I - Interstate,   U - US Route,   S - State Route,   O - Off-Interstate Business Marker,   C - County Route,   T - Township,   M - Municipal,   P - Parkway or Forest Route Marker, N - None of the above

> qualifier: (blank) - No qualifier, not signed, or not applicable,   A - Alternate Route,   B - Business Route,   P - Bypass,   S - Spur,   L - Loop,   F - Proposed (future),   D - Temporary (detour),   T - Truck Route,   N - None of the above

Dist_Miles -- The length of the road segment in miles. (Number)

Dist_Km -- The length of the road segment in kilometers. (Number)

U.S. Highway Routes - Technical Description

GeoDataset name: National Highway Planning Network

Shapefile name: Usroute.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Highways is an ESRI shapefile with line features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Rail Network

Technical description

GeoDataset name: National Rail Network

The Rail Network is a comprehensive database of the nation's railway system at the 1:100,000 scale.   The data set covers the 48 contiguous States plus the District of Columbia. The database provides location and partial attribute information for use in national and regional network analysis applications. The partial attribute list   identifying 14 railroad ownership and trackage rights are based on information received from the Federal Railroad Administration.   A partial quality control evaluation of the accuracy of these attributes was performed on the database.   The likelihood of attribute errors is greater in the urban than in the rural areas.

 Rail100k -- U.S. Rail Network
174,428 railroad lines, 5 descriptive fields. Identifies U.S. rail network lines.
Fields:
Linkid -- Unique sequential Identification for each line. (Number)
Featureid -- Unique Identification for each line. (Number)
Descrip -- Name or identification for the line - in this version, this field contains the first railroad owner name. (String)
Rrowner -- Railroad Owner Name Abbreviation. (String)
Tr -- Trackage Right Railroad Name Abbreviation. (String)

U.S. Rail Network - Technical Description

GeoDataset name: National Rail Network

Shapefile name: Rail100k.shp

Path: ESRI Data & Maps 2 (CD) \usa

**GeoDataset type:** U.S. National Rail Network is an ESRI shapefile with line features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Highways

Technical description

GeoDataset name: National Highway Planning Network

U.S. Highways is the National Highway Planning Network version 2.1 published by the Bureau of Transportation Statistics as part of the National Transportation Atlas Database. The National Highway Planning Network is a comprehensive database of the nations principal arterial highway system and other National Highway System routes.   The nominal scale of the data set is 1:100,000 with an maximal positional error of 80 meters.   This data set includes all road segments of the original data set, but only a subset of the attributes. The entire data set can be found on the Network Analyst CD-ROM.
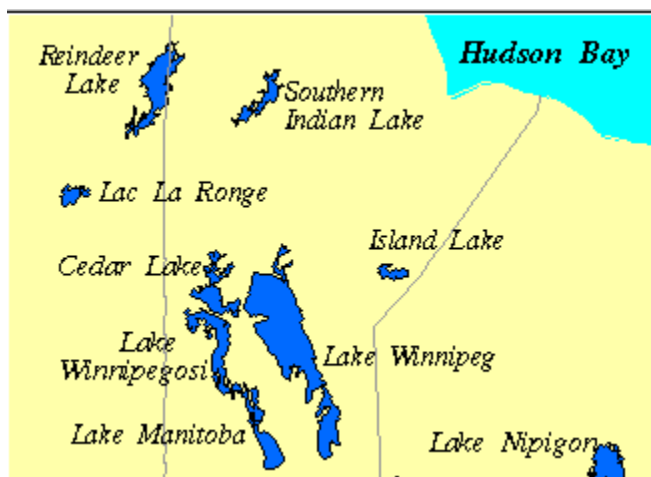
Highways -- U.S. Highways

47,763 roads, 11 descriptive fields. Identifies interstate, U.S. and state highways and some additional transportation network routes.

Fields:

Name -- The descriptive name for the   road segment.(String

Source -- The original source of the road feature. (String)

      S - State Supplied Digital Data

      U - USGS Digital Line Graphs

      T - US Census Tiger/Line files

      D - Digitized from State supplied maps

      M - Military Supplied data

Sign1 -- A composite field that identifies the type, sign route numbers, and a qualifier. (String)

      type: (blank) - not signed,   I - Interstate,   U - US Route,   S - State Route,   O - Off-Interstate Business Marker,   C - County Route,   T - Township,   M - Municipal,   P - Parkway or Forest Route Marker, N - None of the above qualifier: (blank) - No qualifier, not signed, or not applicable,   A - Alternate Route,   B - Business Route,   P - Bypass,   S - Spur,   L - Loop,   F - Proposed (future),   D - Temporary (detour),   T - Truck Route,   N - None of the above

Sign2 -- A composite field for the secondary identifier including the type, sign route numbers, and a qualifier. (String)

Sign3 -- A composite field for a third identifier including the type, sign route numbers, and a qualifier. (String)

Miles -- The length of the road segment in miles. (Number)

Km -- The length of the road segment in kilometers. (Number)

Toll -- Links which have one or more toll features. (Number)

      0 - Not A Toll Road,   1 - Toll Road

Lanes -- Number of through lanes in both directions. (Number)

Median -- Describes the type of median of the road feature. (String)

      0 - Unknown

      1 - Divided Highway

      2 - Undivided Highway

Class -- Assigned functional class description. (String)

U.S. Highways - Technical Description

GeoDataset name: **National Highway Planning Network**

Shapefile name: Roads.shp

Path: ESRI Data & Maps 2 (CD) \usa

**GeoDataset type:** Highways is an ESRI shapefile with line features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Major Road Net

Technical description

GeoDataset name: National Highway Planning Network

U.S. Major Road Net is the National Highway Planning Network version 2.1 published by the Bureau of Transportation Statistics as part of the National Transportation Atlas Database. The National Highway Planning Network is a comprehensive database of the nations principal arterial highway system and other National Highway System routes.   The nominal scale of the data set is 1:100,000 with an maximal positional error of 80 meters.   This data set includes the major highway road segments of the original data set and is suitable for routing, but only a subset of the attributes.   The entire data set can be found on the Network Analyst CD-ROM.
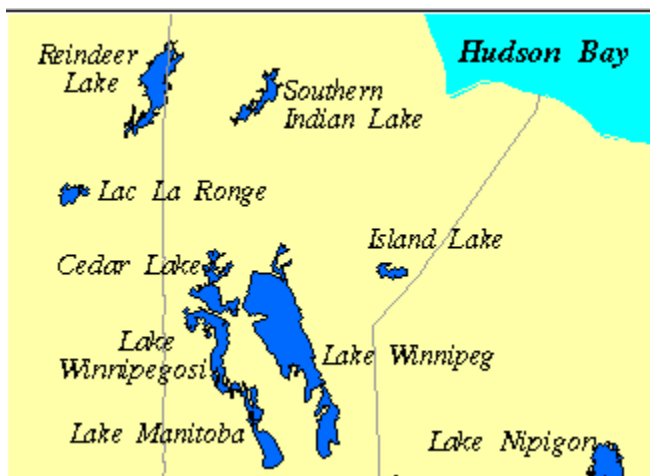
 Majrdnet -- U.S. Major Road Net
46,234 roads, 10 descriptive fields. Identifies interstate and U.S. highways and some additional transportation network routes.
Fields:
Descrip -- The descriptive name for the road segment.(String
Sign1 -- A composite field that identifies the type, sign route numbers, and a qualifier. (String)

>   type: (blank) - not signed,   I - Interstate,   U - US Route,   S - State Route,   O - Off-Interstate Business Marker,   C - County Route,   T - Township,   M - Municipal,   P - Parkway or Forest Route Marker, N - None of the above qualifier: (blank) - No qualifier, not signed, or not applicable,   A - Alternate Route,   B - Business Route,   P - Bypass,   S - Spur,   L - Loop,   F - Proposed (future),   D - Temporary (detour),   T - Truck Route,   N - None of the above

Sign2 -- A composite field for the secondary identifier including the type, sign route numbers, and a qualifier. (String)

Sign3 -- A composite field for a third identifier including the type, sign route numbers, and a qualifier. (String)

Miles -- The length of the road segment in miles. (Number)

Km -- The length of the road segment in kilometers. (Number)

Toll -- Links which have one or more toll features. (Number)

>   0 - Not a Toll Road,   1 - Toll Road

Lanes -- Number of through lanes in both directions. (Number)

Median -- Describes the type of median of the road feature. (String)

      0 - Unknown

      1 - Divided Highway

      2 - Undivided Highway

Func_class -- Assigned functional class description. (String)

U.S. Major Road Net - Technical Description

GeoDataset name: National Highway Planning Network

Shapefile name: Majrdnet.shp

Path: ESRI Data & Maps 1 (CD) \usa

**GeoDataset type:** Major Road Net is an ESRI shapefile with line features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Interstates

Technical description

GeoDataset name: National Highway Planning Network Interstates

U.S. Interstates is a subset of the National Highway Planning Network version 2.1 published by the Bureau of Transportation Statistics as part of the National Transportation Atlas Database.   The subset was created by selecting the rural and urban interstates based on the feature class code in the National Highway Planning Network highways geodataset.   The National Highway Planning Network is a comprehensive database of the nations principal arterial highway system and other National Highway System routes.   The nominal scale of the data set is 1:100,000 with an maximal positional error of 80 meters.   This data set includes all road segments of the original data set, but only a subset of the attributes.   The entire data set can be found on the Network Analyst CD-ROM.
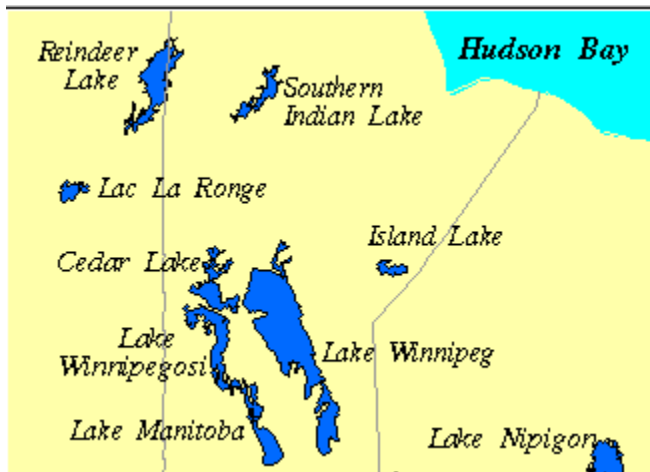
Interstates -- U.S. Interstates

233 roads, 3 descriptive fields. Identifies urban and rural interstate network routes.
Snapshot
Fields:
Route_num -- A composite field that identifies the type, sign route numbers, and a qualifier. (String)

> type: (blank) - not signed,   I - Interstate,   U - US Route,   S - State Route,   O - Off-Interstate Business Marker,   C - County Route,   T - Township,   M - Municipal,   P - Parkway or Forest Route Marker, N - None of the above

> qualifier: (blank) - No qualifier, not signed, or not applicable,   A - Alternate Route,   B - Business Route,   P - Bypass,   S - Spur,   L - Loop,   F - Proposed (future),   D - Temporary (detour),   T - Truck Route,   N - None of the above

Dist_Miles -- The length of the road segment in miles. (Number)

Dist_Km -- The length of the road segment in kilometers. (Number)

U.S. Interstates - Technical Description

GeoDataset name: National Highway Planning Network Interstates

Shapefile name: Intrstat.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Interstates is an ESRI shapefile with line features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Urbanized Areas

Technical description

GeoDataset name: Urbanized Areas

The Bureau of the Census Urbanized Area Boundaries database is a geographic database of boundaries for urban areas with a population greater than 50,000.   The database includes boundaries for urban areas in all 50 states and the District of Columbia.   The data provide users with information about the locations, names, urban, census and FIPS Codes, and size of urban areas primarily for national planning applications.

Urbanized Areas

396 polygons, 2 descriptive fields. Identifies urbanized areas.

Fields:

Featurid -- Unique identification for the geographic entity.(the Urbanized Area Code)

Descrip -- Name/identification for the geographic entity.(Urbanized Area Name)

U.S. Urbanized Areas - Technical Description

GeoDataset name: Bureau of the Census Urbanized Area Boundaries

Shapefile name: Urban.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Urbanized areas is an ESRI shapefile with polygon features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Designated Market Areas 1995

Technical description

GeoDataset name: Designated Market Areas 1995

A Designated Market Area (DMA) is generally the group of surrounding counties or split counties (by 5 digit ZIP) in which metropolitan central area commercial TV stations achieve the largest audience share.   DMAs are designed by A. C. Nielsen and define non-overlapping geography for planning, buying and evaluating television audiences across various markets.

 Designated Market Areas 1995
211 polygons, 2 descriptive fields. Identifies Designated Market areas as of 1995.
Fields:

Id -- Unique identification for the Designated Market Area Code and correspond to DMA Market Production Codes. (String)

Name -- Name/identification for the Designated Market Area Name. (String)

U.S. Designated Market Areas 1995 - Technical Description

GeoDataset name: Designated Market Areas 1995

Shapefile name: Dma95.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Designated Market areas is an ESRI shapefile with polygon features.

GeoDataset lineage: The Designated Market Area Boundaries for this GeoDataset is provided by Geographic Data Technology, Inc. (GDT), and is 1995 data derived from A. C. Nielsen DMA Information tape, and GDT's ZIP Code boundary with counties file.   All but eight counties are unique to individual DMAs.

Coordinate System: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:100,000.
    Smallest scale: 1:20,000,000

U.S. Numbering Plan Area Boundaries

Technical description

GeoDataset name: Numbering Plan Area Boundaries

The Numbering Plan Area (NPA) boundary codes are provided for the entire United States. They are also known as the telephone area codes.

 Numbering Plan Area Boundaries
196 polygons, 5 descriptive fields. Identifies Numbering Plan Area Boundaries (telephone area codes).
Fields:
Npa -- The Numbering Plan Area (NPA) code (telephone area code). (String)
State -- The name of the state in which the Numbering Plan Area is located. (String)
Eff_date -- The date the Numbering Plan Area becomes effective. (String)

Oldnpa -- The Numbering Plan Area code (telephone area code) that was used previously for this area. (String)

End_dial -- The date the old Numbering Plan Area code (telephone area code) expires. (String)

U.S. Numbering Plan Area Boundaries - Technical Description

GeoDataset name: Numbering Plan Area Boundaries

Shapefile name: Areacode.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Numbering Plan Area Boundaries is an ESRI shapefile with polygon features.

GeoDataset lineage: The Numbering Plan Area Boundaries for this GeoDataset is provided by Geographic Data Technology, Inc.

Coordinate System: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:100,000.
   Smallest scale: 1:20,000,000

U.S. 104th Congressional District Boundaries

GeoDataset name: 104th Congressional District Boundaries

The 104th Congressional District Boundaries database is a geographic database of political boundaries for the 104th Congressional districts. The data provide users with information about the locations of congressional districts, primarily for national planning applications. This data is from the Bureau of Transportation Statistics National Transportation Atlas Database.

 104th Congressional District Boundaries

642 Congressional Districts, 3 descriptive fields. Identifies Congressional Districts.

Fields:

Stfips -- The FIPS code for the state in which the Congressional District is located. (String)

Featureid -- Unique identification for the geographic entity.(the Congressional District Code)

Descrip -- Name/identification for the geographic entity.

U.S. 104th Congressional District Boundaries - Technical Description

GeoDataset name: Bureau of the Census Congressional District Boundaries

Shapefile name: Cd104.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Congressional District Boundaries is an ESRI shapefile with polygon features.

GeoDataset lineage: The <u>METADATA</u> for this GeoDataset as provided by the Bureau of Transportation Statistics.

U.S. Lakes and Rivers

Technical description

GeoDataset name: Waters

U.S. Lakes, Drainage, and Rivers contains the major water bodies and rivers in the United States.
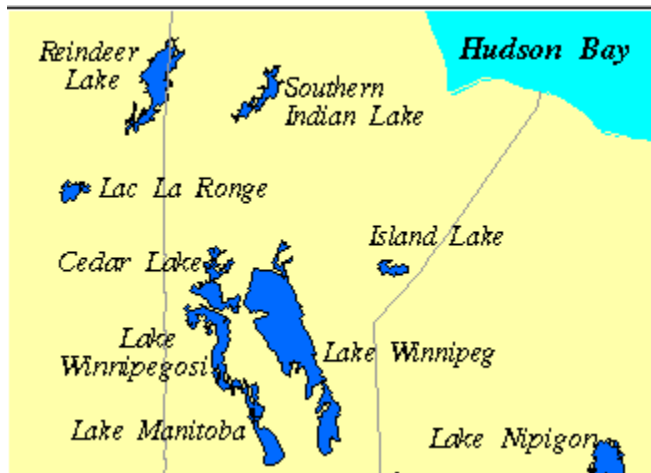
 Lakes -- U.S. Lakes

29 regions, 2 descriptive fields. Contains major lakes and reservoirs within the United States.
Snapshot
Fields:
Area -- The lake area in square miles. (Number)
Name -- The lake name. (String)

 Drainage -- U.S. Drainage Systems

7 routes, 1 descriptive field. Contains the major drainage systems within the United States.
Snapshot

Field:

System -- The drainage system name (only for selected drainage systems). (String)
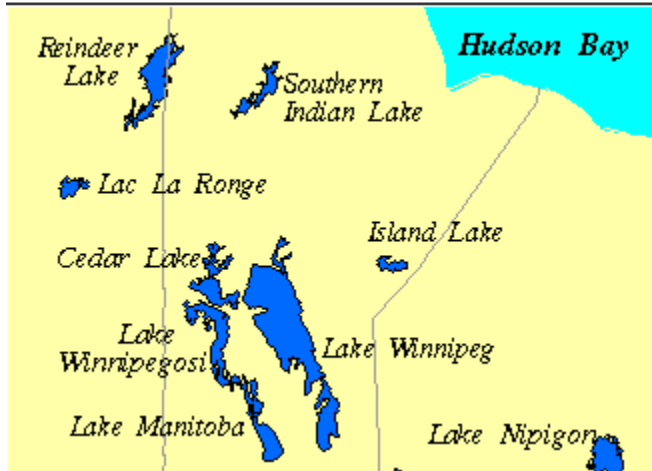
Rivers -- U.S. Rivers

56 routes, 2 descriptive fields. Contains major rivers within the United States.

Snapshot

Fields:

Name -- The river name. (String)

System -- The drainage system name (only for selected drainage systems). (String)

U.S. Lakes and Rivers - Technical Description

GeoDataset name: Lakes and Rivers

Shapefile names: lakes.shp, drainage.shp, rivers.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Lakes is an ESRI shapefile with polygon features, drainage and rivers are ESRI shapefiles with line features.

GeoDataset lineage: The U.S. Lakes and Rivers data source was generalized from ESRI's ArcWorld 1:3,000,000-scale database.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Single.

Useful display scales:

Largest scale: 1:3,000,000 generally; 1:8,000,000 for displays including the Great Lakes.
Smallest scale: 1:20,000,000

Coastal lagoons, fjord coasts, and meandering rivers are best displayed at the larger end of the scale range.

U.S. Major Water

GeoDataset name: Major Water

U.S. Major Water contains areas that are major water features. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.
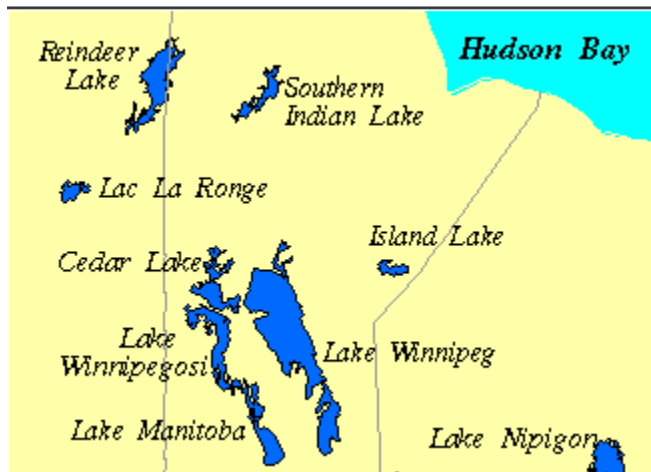
Major Water

29,179 polygons, 1 descriptive field. Contains locations for United States major water features.
Fields:
Name --The proper name of the water feature. (String)

U.S. Major Water - Technical Description

GeoDataset name: Major Water

Shapefile name: Mjwater.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Major water is an ESRI shapefile with polygon features.

GeoDataset lineage: The locations and attribute values for U.S. major water are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

    Largest scale: 1:50,000

    Smallest scale: 1:500,000 generally.

U.S. Rivers (by state)

Technical description

GeoDataset name: [nn]rivers

U.S. Rivers represents a collection of ESRI shapefiles, one for each of the fifty states and the District of Columbia, that depicts the rivers for the area.   [nn] represents the standard postal abbreviation for the state. This data was extracted from the standard Geographic Data Technology line water layer and includes only Fcc codes H10 and H11.   These line segments were chained and thinned to serve as a reference cartographic layer.   Many of the cartographic problems with this data inherent in the original 1:100,000 source data remain, however for small areas they make a nice cartographic addition to many base maps.
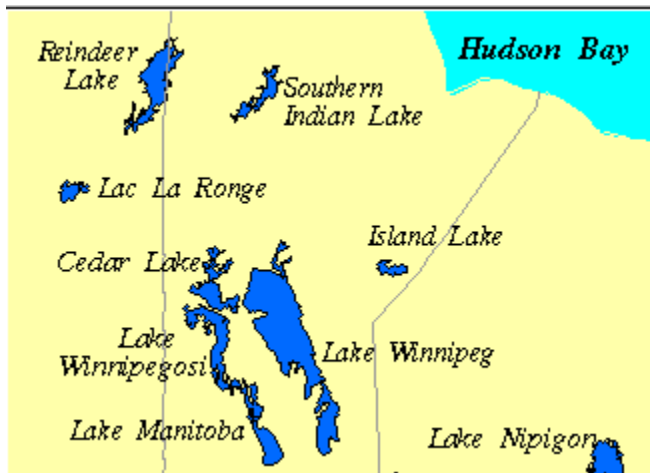
 United States Rivers

Number of features, 3 descriptive fields. Defines rivers as graphic lines for the United States.
Fields:
Name -- Name of the river feature. (String)
Fcc -- The Feature Classification Code of the water feature. (String)
Length -- The length of the water feature in miles. (Number)

U.S. Rivers (by state) - Technical Description

GeoDataset names: [nn]rivers

Shapefile names: [nn]rivers.shp

Path: ESRI Data & Maps 5 (CD) \southusa\[nn],   ESRI Data & Maps 3 (CD) \westusa\[nn], ESRI Data & Maps 4 (CD) \eastusa\[nn]

GeoDataset type: Each one of the United States rivers is an ESRI shapefile with an associated attribute table. [nn] represents the standard postal abbreviation for the state.

GeoDataset lineage: United States rivers lines were extracted from Geographic Data Technology, Inc. Dynamap/2000 v7.3, and are derived from the Bureau of the Census TIGER/Line files.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

　　Largest scale: 1:35,000

　　Smallest scale: 1:1,200,000

The small tracts in the downtown areas begin to be discernible when the display scale is zoomed in to 1:500,000.

U.S. Geographic Names Information System

Technical description

GeoDataset name: Geographic Names Information System

To promote geographic feature name standardization and to serve as the Federal Government's repository of information regarding feature name spellings and applications for features in U.S. The names listed in the inventory can be published on Federal maps, charts, and in other documents. The feature locative information has been used in emergency preparedness, marketing, site-selection and analysis, genealogical and historical research, and transportation routing applications.   For this data set, each of the cultural feature types have been extracted into individual detests to keep the number of features in each at a reasonable level.
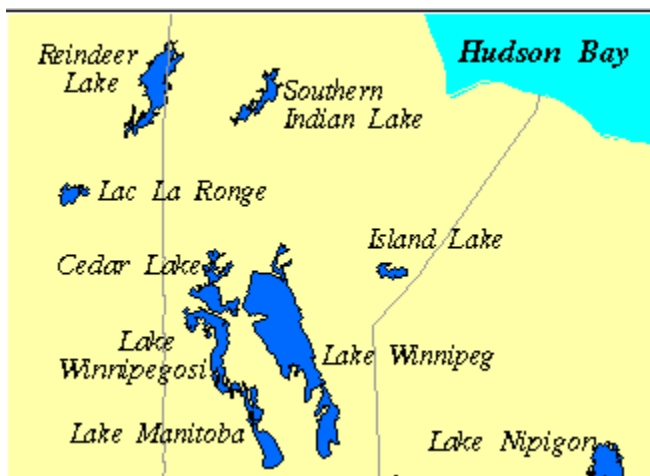
 Geographic Names Information System

Locale 107,266 points; Populated place 167,203 points; School 139,523 points; Golf locale 2,316 points; Church 127,949 points; Hospital 5,314 points; Building 15,127 points; Cemetery 109,557 points; Summit 69,498 points; 3 descriptive fields. Contains locations for United States Geographic Names Information System cultural features.
Fields:
Name --The name of the geographic feature. (String)
Type -- The type of the geographic feature. (String)
Fips -- The State and County FIPS Code of the location of the geographic feature. (String)

U.S. Geographic Names Information System - Technical Description

GeoDataset name: Geographic Names Information System

Shapefile name: glocale.shp, gppl.shp, gschools.shp, ggolf.shp, gchurch.shp, ghospitl.shp, gblding.shp, gcemetry.shp, gsummit.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Geographic Names Information System comprises nine ESRI shapefiles with point features.

GeoDataset lineage: The locations and attribute values for U.S. Institutions are from the Geographic Names Information System.   GNIS Phase I data compilation and edit--Feature name and attribute data are collected from the largest-scale USGS topographic maps available. These data are compared to the records of the U.S. Board on Geographic Names. This data set contains information about physical and cultural geographic features identified by a proper name, with the exception of most roads and highways.   Accuracy of these digital data is based upon the use of source graphics which are compiled to meet National Map Accuracy Standards.   Comparison to the graphic source is used as control to assess digital positional accuracy.   METADATA is provided by the USGS.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

   Largest scale: 1:24,000

   Smallest scale: 1:500,000 generally.

U.S. Large Area Landmarks

Technical description

GeoDataset name: Large Area Landmarks

U.S. Large Area Landmarks contains locations for common areal landmark types including military, prisons, educational, amusement, government, sports, golf, and cemetery lands. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.

 Landmark -- U.S. Large Area Landmarks

4,452 polygons, 2 descriptive fields. Contains locations for United States Landmarks.
Fields:
Fcc -- The Feature Classification Code of the landmark feature. (String)

Name --The proper name of the landmark feature. (String)

U.S. Large Area Landmarks - Technical Description

GeoDataset name: Large Area Landmarks

Shapefile name: Lalndmrk.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Landmark is an ESRI shapefile with polygon features.

GeoDataset lineage: The locations and attribute values for U.S. Large Area Landmarks are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

    Largest scale: 1:50,000

    Smallest scale: 1:500,000 generally.

U.S. Recreation Areas

Technical description

GeoDataset name: Recreation Areas

U.S. Recreation Areas contains locations for common point recreation landmark types including golf courses, zoos, resorts, and other recreational facilities. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.

 Recareas -- U.S. Recreation Areas

1,777 points, 4 descriptive fields. Contains locations for United States Recreation Areas.
Fields:
State -- The State FIPS Code of the recreation area feature. (String)
County -- The County FIPS Code of the recreation area feature. (String)

Name --The proper name of the recreation area feature. (String)

Fcc -- The Feature Classification Code of the recreation area feature. (String)

U.S. Recreation Areas - Technical Description

GeoDataset name: Recreation Areas

Shapefile name: Recareas.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Recreation areas is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for U.S. Recreation Areas are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

 Largest scale: 1:50,000

 Smallest scale: 1:500,000 generally.

U.S. Institutions

GeoDataset name: Institutions

U.S. Institutions contains locations for common point institution landmark types including Hospitals, schools, churches, government centers, and cemeteries. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.

 Institutions

319,751 points, 4 descriptive fields. Contains locations for United States Institutions.
Fields:
State -- The State FIPS Code of the institution feature. (String)
County -- The County FIPS Code of the institution feature. (String)

Name --The proper name of the institution feature. (String)

Fcc -- The Feature Classification Code of the institution feature. (String)

U.S. Institutions - Technical Description

GeoDataset name: Institutions

Shapefile name: Institut.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Institutions is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for U.S. Institutions are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

<u>Useful display scales:</u>

The 5 point symbol was used to determine the following scales:

　　Largest scale: 1:50,000

　　Smallest scale: 1:500,000 generally.

U.S. Parks (GDT)

Technical description

GeoDataset name: Parks (GDT)

U.S. Parks (GDT) contains locations for areas in National, State and local parks. This data set contains extensive numbers of local parks. It is provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.

 Parks (GDT)

18,739 polygons, 2 descriptive fields. Contains locations for United States Parks.
Fields:
Name --The proper name of the park feature. (String)
Fcc -- The Feature Classification Code of the park feature. (String)

U.S. Parks (GDT) - Technical Description

GeoDataset name: Parks (GDT)

Shapefile name: Parksgdt.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Parks (GDT) is an ESRI shapefile with polygon features.

GeoDataset lineage: The locations and attribute values for U.S. Parks (GDT) are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

Largest scale: 1:50,000

U.S. Parks

GeoDataset name: Parks

U.S. Parks contains locations for areas in National Parks, National Forests, State and local parks. The National Parks are provided by the National Park Service, the National Forests are provided by ESRI ArcUSA and the rest are provided by Geographic Data Technology Dynamap/2000 v7.3.

 Parks

6,371 polygons, 2 descriptive fields. Contains locations for United States Parks.
Fields:
Name --The proper name of the park feature. (String)
Fcc -- The Feature Classification Code of the park feature. (String)

U.S. Parks - Technical Description

GeoDataset name: Parks

Shapefile name: Parks.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Parks is an ESRI shapefile with polygon features.

GeoDataset lineage: The locations and attribute values for U.S. Parks are from the National Parks Service, ESRI ArcUSA, and Geographic Data Technology Dynamap/2000 v7.3.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

Largest scale: 1:50,000

U.S. Retail Centers

GeoDataset name: Retail Centers

U.S. Retail Centers contains locations for major retail centers. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.
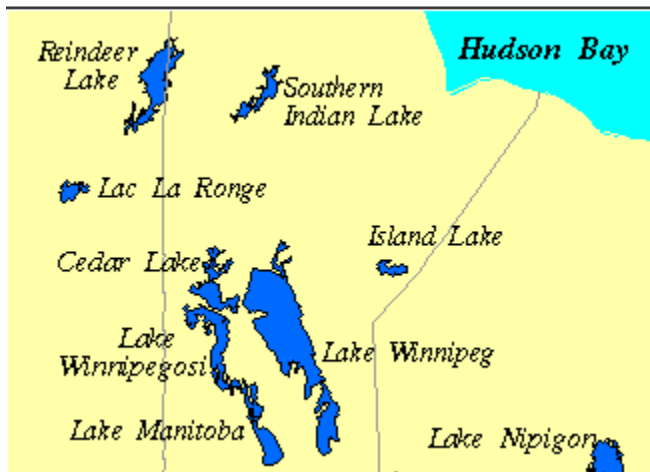
Recareas -- U.S. Retail Centers

1,160 points, 4 descriptive fields. Contains locations for United States Retail Centers.
Fields:
State -- The State FIPS Code of the retail center feature. (String)
County -- The County FIPS Code of the retail center feature. (String)
Name --The proper name of the retail center feature. (String)

Fcc -- The Feature Classification Code of the retail center feature. (String)

U.S. Retail Centers - Technical Description

GeoDataset name: Retail Centers

Shapefile name: Retlcntr.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Retail Centers is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for U.S. Retail Centers are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

    Largest scale: 1:50,000

    Smallest scale: 1:500,000 generally.

U.S. Transportation Terminals

GeoDataset name: Transportation Terminals

U.S. Transportation Terminals contains locations for transportation terminals such as bus depots, train stations and other significant transportation nodes. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.

 Transportation Terminals

1,634 points, 4 descriptive fields. Contains locations for United States Transportation Terminals.

Fields:

State -- The State FIPS Code of the transportation terminal feature. (String)

County -- The County FIPS Code of the transportation terminal feature. (String)

Name --The proper name of the transportation terminal feature. (String)

Fcc -- The Feature Classification Code of the transportation terminal feature. (String)

U.S. Transportation Terminals - Technical Description

GeoDataset name: Transportation Terminals

Shapefile name: Tranterm.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Transportation Terminals is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for U.S. Transportation Terminals are from the Geographic Data Technology Dynamap/2000 v9.0.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

    Largest scale: 1:50,000

    Smallest scale: 1:500,000 generally.

U.S. Airports

GeoDataset name: Airports

U.S. Airports contains locations for airports of sufficient size to have an instrument landing system.   Airports are represented by two types of polygons, airport boundaries and airport runways.   All airports have a boundary and most have at least one runway. This data set was provided by Geographic Data Technology from the Dynamap/2000 v9.0 release.

 Airports

4,819 polygons, 15 descriptive fields. Contains locations for United States Airports.
Fields:

Name --The facility name of the airport feature. (String)

Fcc -- The Feature Classification Code of the airport feature. (String)

Loc_id -- The 3 or 4 character unique identifier of the airport feature. (String)

Use -- The identification of public(PU) or private(PR) use of the airport feature. (String)

Ownername --The owner name of the airport feature. (String)

Elevation --The elevation of the airport feature. (Number)

Conges_lev -- The airport congestion level as severe(S), moderate(M) or uncongested(U). (String)

Serv_lev -- The airport service level as primary commercial(PR), commercial(CM) commercial reliever(CR), general aviation(GA), or general aviation reliever(RL). (String)

Lrgcertenp -- The airports 1992 total large certified air carrier enplanements. (String)

Comm_enp --The airports 1992 commuter enplanements. (String)

Airtaxienp -- The airports 1992 air taxi enplanements. (String)

Foreignenp -- The airports 1992 foreign enplanements. (String)

Intranenp -- The airports 1992 in-transit enplanements. (String)

Hub_size -- The airport hub size based on percent of national enplanements as large(L), medium(M),small(S), non-hub(N) or general aviation(G). (String)

Tower_type --The airport tower type code. (String)

0	non-tower
1	FAA tower
2	new FAA tower
3	RAPCON/RATTC
4	decommissioned
5	TRACON
6	common IFR room
7	tower candidate
9	military
A	FAA contract tower
B	leased to state or local government
C	FAA tower operated by military
D	state or local government
E	non-federal contact tower
F	FAA tower closed temporarily
G	FAA contract tower not in ATA count

U.S. Airports - Technical Description

GeoDataset name: Airports

Shapefile name: Airports.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: Airports is an ESRI shapefile with polygon features.

GeoDataset lineage: The locations and attribute values for U.S. Airports are from the Geographic Data Technology Dynamap/2000 v9.0.   Airport data was merged from the following four Federal Aviation Administration (FAA) landing facilities databases: National Flight Data Center (NFDC) database for February 1994; National Plan of Integrated Airport Systems (NPIAS) database, current as of May 1994; Air Carrier Activity Information System (ACAIS) database for calendar year 1992;   Terminal Area Forecast (TAF) for fiscal year 1991.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

   Largest scale: 1:50,000

   Smallest scale: 1:500,000 generally.

U.S. Major Roads

GeoDataset name: Major Roads

U.S. Major Roads contains interstate, U.S., and state highways and other major thoroughfares within the United States. This data layer overlays accurately on streets and other boundary data.   The Major Roads provides an invaluable reference and cartographic layer that makes it easy to identify areas on other feature layers.

 Major Roads -- U.S. Major Roads
449,517 roads, 5 descriptive fields. Identifies interstate, U.S. and state highways and some major thoroughfares.
Fields:

Length -- The length of the road segment in miles. (Number)

Hwyname -- The primary name of the road feature. (String)

Cfcc -- The Census Feature Classification Code of the road feature. (String)

Statefips -- The State FIPS code for the state in which the road segment is located. (String)

Alt1_name -- An alternate name of the road feature. (String)

U.S. Major Roads - Technical Description

GeoDataset name: Major Roads

Shapefile name: Mjrrds.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Major Roads is an ESRI shapefile with line features.

GeoDataset lineage: The United States major roads data files are provided by Geographic Data Technology, Inc. Copyright 1984-1998, Geographic Data Technology, Inc. All rights reserved. The data are a modification of the Bureau of the Census TIGER/Line files.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

Largest scale: 1:100,000

Smallest scale: 1:3,000,000

U.S. Major Roads (by state)

GeoDataset names: [nn]rds

The U.S. Major Roads are a collection of ESRI shapefiles, one for each state, that contains its interstate, U.S., and state highways and other major thoroughfares. [nn] represents the standard postal abbreviation for the state. Each shapefile overlays accurately on streets and other boundary data.   The Major Roads provide an invaluable reference and cartographic layer that makes it easy to identify areas on other feature layers.
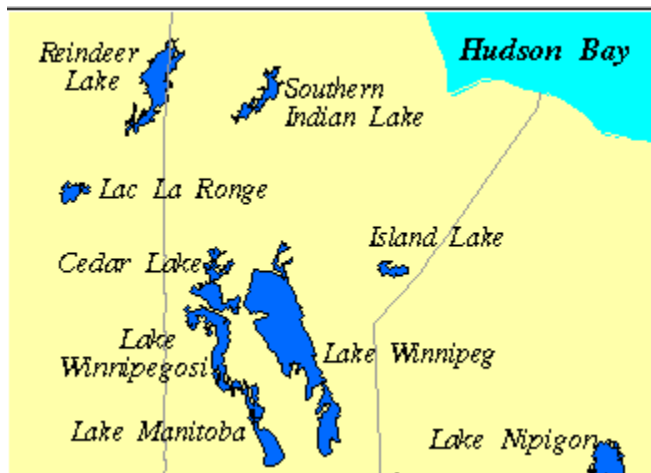
[nn]rds -- U.S. Major Roads by State
Number of features, 5 descriptive fields. Identifies interstate, U.S. and state highways and some major thoroughfares.

Snapshot

Fields:

Length -- The length of the road segment in miles. (Number)

Hwyname -- The primary name of the road feature. (String)

Fcc -- The Feature Classification Code of the road feature. (String)

Statefips -- The State FIPS code for the state in which the road segment is located.(String

Alt1_name -- An alternate name of the road feature. (String)

U.S. Major Roads (by state) - Technical Description

GeoDataset names: [nn]rds

Shapefile names: [nn]rds.shp

Path: ESRI Data & Maps 5 (CD) \southusa\[nn],   ESRI Data & Maps 3 (CD) \westusa\[nn], ESRI Data & Maps 4 (CD) \eastusa\[nn]

GeoDataset type: Each [nn]rds GeoDataset is an ESRI shapefile with line features. [nn] represents the standard postal abbreviation for the state.

GeoDataset lineage: The United States major roads data files are provided by Geographic Data Technology, Inc. Copyright 1984-1998, Geographic Data Technology, Inc. All rights reserved. The data are a modification of the Bureau of the Census TIGER/Line files.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:100,000

   Smallest scale: 1:3,000,000

U.S. Metropolitan Statistical Areas

GeoDataset name: MSA1996

U.S. Metropolitan Statistical Areas represent the U.S. Office of Management and Budget defined Metropolitan Statistical Area's according to published standards that are applied to Census Bureau data.   The units are the defined metropolitan statistical areas except for New England where the boundaries are those defined as New England county metropolitan areas (NECMA's).
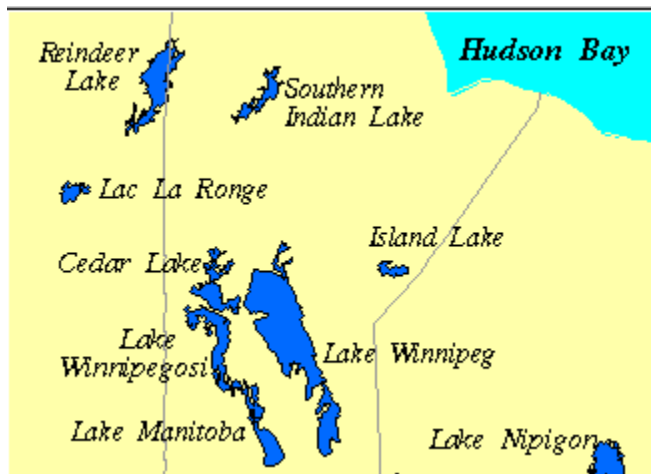
MSA1996 --   United States Metropolitan Statistical Areas
315 polygons, 45 descriptive fields. Defines census tracts for the United States.

Fields:

Cmsa -- The consolidated metropolitan statistical area code for MSA's which are in CMSA. (String)

MSA -- The metropolitan statistical area code. (String)

Name -- The metropolitan statistical area name. (String)

Area -- Area of a metropolitan statistical area in square miles. (Number)

Pop1990 -- The total 1990 population for a metropolitan statistical area. (Number)

Pop1999 -- The total 1999 population for a metropolitan statistical area as estimated by CACI International, Inc. (Number)

Households -- Total number of households. (Number)

Population by race and ethnicity

Population by age

Population by marital status

Composition of households

Housing unit information

U.S. Metropolitan Statistical Areas - Technical Description

GeoDataset name: Metropolitan Statistical Areas

Shapefile name: msa96.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: United States Metropolitan Statistical Areas is an ESRI shapefile with polygon features.

GeoDataset lineage: United States metropolitan statistical areas were aggregated from the detailed counties provide by Geographic Data Technology, Inc., and are derived from the Bureau of the Census TIGER/Line files based on the OMB June 30, 1996 definitions.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:100,000

    Smallest scale: 1:1,200,000

U.S. Places

GeoDataset name: Places

U.S. Places contains locations for all populated places identified by the US Bureau of the Census. Attributes include city name, FIPS code, Census type, and selected demographic data.

 Places -- U.S. Places

23,435 points, 11 descriptive fields. Contains locations for all United States Populated Places.
Snapshot

Fields:

Areaname -- The city name. (String)

Class -- The class of place, from the U.S. Bureau of the Census definitions. Contains one of the following strings:

    borough

    census designated place (CDP)

    city

    town

    village

St -- The two letter abbreviation for the name of the state in which the place is located. (String)

Stfips -- The FIPS code for the state in which the city is located. (String)

Placecen -- The Place Census code. (String)

Placefip -- The Place FIPS code. (FIPS stands for the Federal Information Processing Standards.) (String)

Houseunits --The number of housing units in 1990. (Number)

Population -- The 1990 Population of the Place. (Number)

Pop_cl -- A code for the population class of the Place. (Number)

Arealand -- The area in square miles of the Place which is land. (Number)

Areawater -- The area in square miles of the Place which is water. (Number)

U.S. Places - Technical Description

GeoDataset name: Places

Shapefile name: Places.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Places is an ESRI shapefile with point features.

GeoDataset lineage: The locations and attribute values for U.S. Places are from the U.S. Bureau of the Census 1990 Summary Tape File 1C (STF-1C).

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

    Largest scale: 1:1,000,000
    Smallest scale: 1:25,000,000 generally; 1:15,000,000 in the northeast.

U.S. Places Areas

GeoDataset name: Places Areas

U.S. Places Areas contains areal locations for all populated places identified by the US Bureau of the Census. Attributes include city name, FIPS code, Census type, and selected demographic data.

 Places Areas -- U.S. Places Areas
25,623 polygons, 11 descriptive fields. Contains areal locations for all United States Populated Places.

Fields:

Areaname -- The city name. (String)

Class -- The class of place, from the U.S. Bureau of the Census definitions. Contains one of the following strings:

borough

census designated place (CDP)

city

town

village

St -- The two letter abbreviation for the name of the state in which the place is located. (String)

Stfips -- The FIPS code for the state in which the city is located. (String)

Placecen -- The Place Census code. (String)

Placefip -- The Place FIPS code. (FIPS stands for the Federal Information Processing Standards.) (String)

Houseunits --The number of housing units in 1990. (Number)

Population -- The 1990 Population of the Place. (Number)

Pop_cl -- A code for the population class of the Place. (Number)

Arealand -- The area in square miles of the Place which is land. (Number)

Areawater -- The area in square miles of the Place which is water. (Number)

U.S. Places Areas - Technical Description

GeoDataset name: Places Areas

Shapefile name: Placeply.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Places Areas is an ESRI shapefile with polygon features.

GeoDataset lineage: The locations and attribute values for U.S. Places Areas are from the from the Geographic Data Technology Dynamap/2000 v9.0. and the U.S. Bureau of the Census 1990 Summary Tape File 1C (STF-1C).

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

The 5 point symbol was used to determine the following scales:

Largest scale: 1:1,000,000
Smallest scale: 1:25,000,000 generally; 1:15,000,000 in the northeast.

U.S. Roads

GeoDataset name: Roads

U.S. Roads contains interstate highways and major roads within the United States.   Use the U.S. Roads to easily display roads by their administrative class, toll information, and route number (e.g., Pennsylvania State Hwy 9).   Use the U.S. Routes to display roads by only their route number.

Roads_rt -- U.S. Routes

147 routes, 1 descriptive field. Identifies interstate highways and some major U.S. routes.
Snapshot
Fields:

Route -- A combination of administrative class and the route number. Example: Interstate 10. (String)

Roads -- U.S. Road Segments

679 lines, 7 descriptive fields. Contains individual road segments for U.S. interstate highways.
Snapshot
Fields:
Length -- The length of the road segment in miles. (Number)

Type -- Contains one of the following strings:
Multi-Lane Divided
Paved Divided
Paved Undivided
Gravel

Admn_class -- Indicates the administrative class of the road. Contains one of the following strings:
Interstate
US Highway
State Highway

Toll_rd -- Indicates whether or not a toll is collected (Y/N). (String)

Rte_num1 -- The primary route number. (String)

Rte_num2 -- The secondary route number, if any. (String)

Route -- A combination of administrative class and the primary route number. Example: Interstate 10. (String)

U.S. Roads - Technical Description

GeoDataset name: Roads

Shapefile names: roads.shp, roads_rt.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: Roads is an ESRI shapefile with line features.

GeoDataset lineage: Roads and road attributes were derived from ESRI's ArcUSA 1:25,000,000-scale database to create the U.S. Roads data source.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Single.

Useful display scales:

Largest scale: 1:3,000,000
Smallest scale: 1:20,000,000

U.S. States and Counties

GeoDataset names: States and Counties - Detail States and Detail Counties

U.S. States and Counties represents all fifty states and the District of Columbia, and all of the counties in the United States.   The standard versions are generalized to improve draw performance and be used effectively at a national level.   The detailed versions have boundaries that are consistent with the tract, zip and major road data sets and have boundaries that are good for regional and state level maps.

 States/Dtl_st --   U.S. States

51 polygons, 51 descriptive fields. Defines U.S. states and the District of Columbia.
Snapshot
Fields:
Area -- The area of the state in square miles based on an Albers Equal Area Projection. (Number)
State_name -- The state name. (String)
State_fips -- The state FIPS code. (FIPS stands for the United States Federal Information Processing Standards.)
Example: 23 for Maine. (String)
Sub_region -- The subregion of the United States in which a state is located.

Example: Mid Atl. (String)

State_abbr -- Two-letter postal code for the state name. (String)

Pop1990 -- The population of the state in 1990 based on the US Census. (Number)

Pop1999 -- The population of the state in 1999 estimated by CACI International, Inc. (Number)

Pop90_sqmi -- The 1990 population per square mile for a state. (Number)

Households -- Total number of households. (Number)

Population by race and ethnicity

Population by age

Population by marital status

Composition of households

Counties/Dtl_cnty -- U.S. Counties
3,140 polygons (Counties), 3,141 polygons (Dtl_cnty), 52 descriptive fields. Defines U.S. counties.

Snapshot

Fields:

Name -- The county name. (String)

State_name -- The name of the state in which the county is located. (String)

State_fips -- The state FIPS code.

Example: 23 for Maine. (String)

Cnty_fips -- The county FIPS code.

Example: 361 for Orange County, Texas. (String)

Fips -- The combined state and county FIPS code. County FIPS codes begin with 001 for each state, so you must use the combined code to uniquely identify a county in the country. (String)

Area -- The area of the county in square miles based on an Albers Equal Area Projection. (Number)

Pop1990 -- The population of the county in 1990 based on the US Census. (Number)

Pop1999 -- The population of the county in 1999 estimated by CACI International, Inc. (Number)

Pop90_sqmi -- The 1990 population per square mile for a county. (Number)

Households -- Total number of households. (Number)

U.S. States and Counties - Technical Description

GeoDataset names: States/Dtl_st and Counties/Dtl_cnty

Shapefile names: States.shp, Dtl_st.shp, Counties.shp and Dtl_cnty.shp

Path: ESRI Data & Maps 1 (CD) \usa,   ESRI Data & Maps 2 (CD) \usa,   ESRI Data & Maps 1 (CD) \usa,   ESRI Data & Maps 2 (CD) \usa

GeoDataset type: States and Counties are ESRI shapefiles with associated attribute tables.

GeoDataset lineage: U.S. States and Counties were generalized from ESRI's ArcUSA 1:25,000,000-scale database. The U.S. subregions are as defined by the U.S. Bureau of the Census, except that in this GeoDataset New England is classified as a subregion instead of a region.   Detailed states and counties were created by aggregating 1990 Census tract geography to county and then to state areas.   The boundaries are therefore consistent with the boundaries of the Census tracts and have all of the detailed vertices necessary to maintain consistency with the tract level of detail.

The demographic attributes in this table come from Summary Tape File-1A (STF-1A) data published by the U.S. Bureau of the Census based on the 1990 Census of Population. The farm attributes come from data published by the U.S. Bureau of the Census based on the 1987 Census of Agriculture.

Coordinate system: Latitude/longitude in decimal degrees

Datum Name: Dtl_st.shp, Dtl_cnty.shp, States.shp, and Counties.shp are in North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

When displaying all 50 states (i.e., with Alaska and Hawaii)

   Largest scale: 1:5,000,000

   Smallest scale: 1:25,000,000

When displaying the coterminous United States:

   Largest scale: 1:5,000,000

   Smallest scale: 1:25,000,000

When displaying states:

   Largest scale: 1:5,000,000

   Smallest scale: 1:30,000,000

When displaying sub-state areas using the detailed data:

   Largest scale: 1:50,000

   Smallest scale: 1:500,000

When displaying individual states, the following scales are useful starting points:

   Large states: 1:12,000,000

   Medium-sized states: 1:5,000,000

   Alaska: Largest scale: 1:8,000,000

   Smallest scale: 1:20,000,000

Hawaii: Largest scale: 1:4,000,000

Smallest scale: 1:15,000,000

When displaying counties:

Largest scale: 1:5,000,000

Smallest scale: 1:20,000,000

Independent city areas (county equivalents) are clearly discernible only at scales of 1:10,000,000 or larger.

Usage notes: FIPS codes for states and counties are not always sequential. Some numbers are skipped to allow for alphabetical additions.

U.S. Census Tracts

Technical description

GeoDataset name: Tracts

U.S. Census Tracts contains census tracts for all fifty states and the District of Columbia. This data is the Census tracts and Block Numbering Areas(BNA's) defined by the Bureau of the Census.   Census tracts are geographic entities within a county having relatively homogeneous demographic characteristics and with a population size between 2,500 and 8,000 people.   Block numbering areas follow the same basic criteria as tracts in counties without formally defined tracts, but because they occur in lightly populated areas, they may have fewer people.

Tracts --   United States Census Tracts
61,224 polygons, 48 descriptive fields. Defines census tracts for the United States.
Fields:
Area -- Area of a census tract in square miles. (Number)
Fips -- Combined state, county and tract FIPS code. (String)
State_fips -- The state FIPS code. (String)
Cnty_fips -- The county FIPS code. (String)
Stcofips -- Combination of state and county FIPS codes. (String)
Tract -- The census tract identification number. (String)

Pop1990 -- The total 1990 population for a tract. (Number)

Pop1999 -- The total 1999 population for a tract estimated by CACI International, Inc. (Number)

Pop90_sqmi -- The 1990 population per square mile for a tract. (Number)

Households -- Total number of households. (Number)

Population by race and ethnicity

Population by age

Population by marital status

Composition of households

Housing unit information

U.S. Census Tracts - Technical Description

GeoDataset name: Tracts

Shapefile name: Tracts.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: United States Census Tracts is an ESRI shapefile with an associated attribute table.

GeoDataset lineage: United States census tract boundary data were provided by Geographic Data Technology, Inc., and are derived from the Bureau of the Census 1990 TIGER/Line files.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:35,000

   Smallest scale: 1:1,200,000

The small tracts in the downtown areas begin to be discernible when the display scale is zoomed in to 1:500,000.

U.S. Census Tracts (by state)

Technical description

GeoDataset name: [nn]trct

U.S. Census Tracts represents a collection of ESRI shapefiles, one for each of the fifty states and the District of Columbia, that depicts the census tracts for the area.   [nn] represents the standard postal abbreviation for the state. This data is actually the Census tracts and Block Numbering Areas(BNA's) defined by the Bureau of the Census.   Census tracts are geographic entities within a county having relatively homogeneous demographic characteristics and with a population size between 2,500 and 8,000 people.   Block numbering areas follow the same basic criteria as tracts in counties without formally defined tracts, but because they occur in lightly populated areas, they may have fewer people.
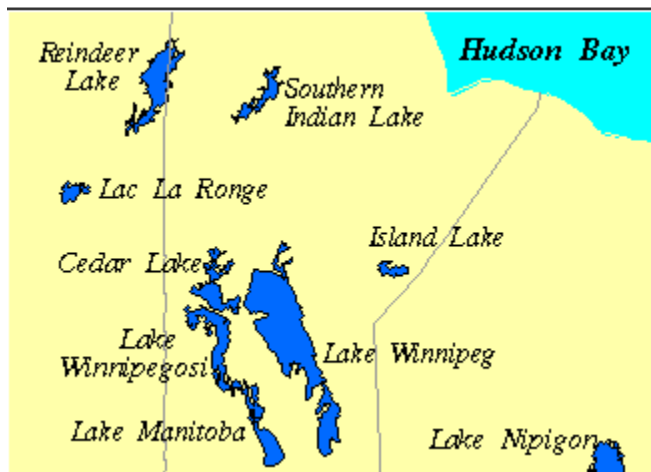
 Tracts --   United States Census Tracts

Number of features, 48 descriptive fields. Defines census tracts for the United States.
Fields:
Area -- Area of a census tract in square miles. (Number)
Fips -- Combined state, county and tract FIPS code. (String)
State_fips -- The state FIPS code. (String)
Cnty_fips -- The county FIPS code. (String)
Stcofips -- Combination of state and county FIPS codes. (String)
Tract -- The census tract identification number. (String)

Pop1990 -- The total 1990 population for a tract. (Number)

Pop1999 -- The total 1999 population for a tract estimated by CACI International, Inc. (Number)

Pop90_sqmi -- The 1990 population per square mile for a tract. (Number)

Households -- Total number of households. (Number)

Population by race and ethnicity

Population by age

Population by marital status

Composition of households

Housing unit information

U.S. Census Tracts (by state) - Technical Description

GeoDataset names: [nn]trct

Shapefile names: [nn]trct.shp

Path: ESRI Data & Maps 5 (CD) \southusa\[nn],   ESRI Data & Maps 3 (CD) \westusa\[nn], ESRI Data & Maps 4 (CD) \eastusa\[nn]

GeoDataset type: Each one of the United States Census Tracts is an ESRI shapefile with an associated attribute table. [nn] represents the standard postal abbreviation for the state.

GeoDataset lineage: United States census tract boundary data were provided by Geographic Data Technology, Inc., and are derived from the Bureau of the Census 1990 TIGER/Line files.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:35,000

   Smallest scale: 1:1,200,000

The small tracts in the downtown areas begin to be discernible when the display scale is zoomed in to 1:500,000.

U.S. Census Block Groups (by state)

Technical description

GeoDataset name: [nn]blkgrp

U.S. Census Block Groups represents a collection of ESRI shapefiles, one for each of the fifty states and the District of Columbia, that depicts the census block groups for the area.   [nn] represents the standard postal abbreviation for the state. This data is actually the Census block groups defined by the Bureau of the Census.   Census block groups are geographic entities within the same census tract or BNA, having the same first digit of their 3-digit block numbers.   BG's never cross the boundaries of county subdivisions, places, UA's VTD's congressional districts, and AI/ANA's.   BG's generally contain between 250 and 550 housing units.   Each BG usually covers a contiguous area. Each census tract/BNA contains at least one BG.   BG's are uniquely numbered within census tract/BNA.
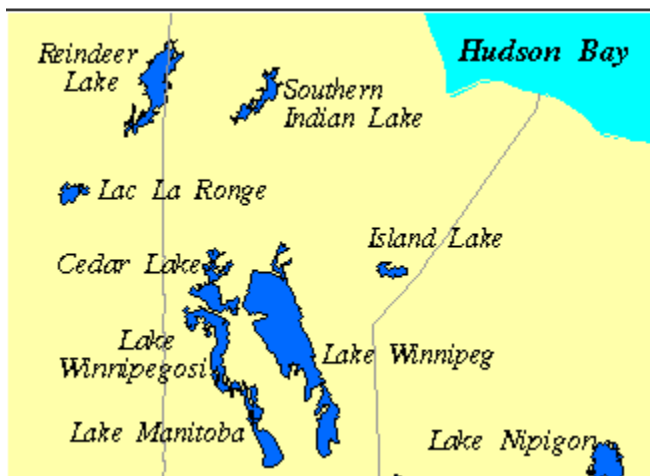
 Block Groups --   United States Census Block Groups

Number of features, 43 descriptive fields. Defines census tracts for the United States.
Fields:
Area -- Area of a census block group in square miles. (Number)
Bkg_key -- Combined state, county, tract and block group FIPS code. (String)
Pop1990 -- The total 1990 population for a block group. (Number)
Pop90_sqmi -- The 1990 population per square mile for a block group. (Number)
Households -- Total number of households. (Number)

Population by race and ethnicity

Population by age

Population by marital status

Composition of households

Housing unit information

U.S. Census Block Groups (by state) - Technical Description

GeoDataset names: [nn]blkgrp

Shapefile names: [nn]blkgrp.shp

Path: ESRI Data & Maps 5 (CD) \southusa\[nn],   ESRI Data & Maps 3 (CD) \westusa\[nn], ESRI Data & Maps 4 (CD) \eastusa\[nn]

GeoDataset type: Each one of the United States Block Groups is an ESRI shapefile with an associated attribute table. [nn] represents the standard postal abbreviation for the state.

GeoDataset lineage: United States block group boundary data were provided by Geographic Data Technology, Inc., and are derived from the Bureau of the Census 1990 TIGER/Line files.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:35,000

   Smallest scale: 1:1,200,000

The small tracts in the downtown areas begin to be discernible when the display scale is zoomed in to 1:500,000.

U.S. Census Block Population (by state)

Technical description

GeoDataset name: Block Population

U.S. Block Population contains the population for the block centroids for all fifty states and the District of Columbia.   This data is the Census Block centroids defined by the Bureau of the Census from the Public Law 94-171 population files.   Census blocks are the smallest geographic entities within a county for which the Census Bureau tabulates population. Census Blocks are small areas bounded on all sides by visible features.

Block Population --   United States Block Centroids

Number of features, 1 descriptive field. Includes a point for each Census Block in the United States.

Fields:

Pop100 -- The total 1990 population for a block. (Number)

U.S. Census Block Population (by state) - Technical Description

GeoDataset name: **Block Population**

Shapefile name: **[nn]pop.shp**

Path: ESRI Data & Maps 5 (CD) \southusa\[nn],   ESRI Data & Maps 3 (CD) \westusa\[nn], ESRI Data & Maps 4 (CD) \eastusa\[nn]

GeoDataset type: United States Block Population is an ESRI shapefile with an associated attribute table. [nn] represents the standard postal abbreviation for the state.

GeoDataset lineage: United States block population files were created from the 1990 Census of Population and Housing Public Law 94-171 Data.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:35,000

    Smallest scale: 1:1,200,000

The small tracts in the downtown areas begin to be discernible when the display scale is zoomed in to 1:500,000.

U.S. ZIP Codes

Technical description

GeoDataset name: ZIP Codes

U.S. ZIP Codes contains locations for five-digit ZIP Codes for the entire United States.
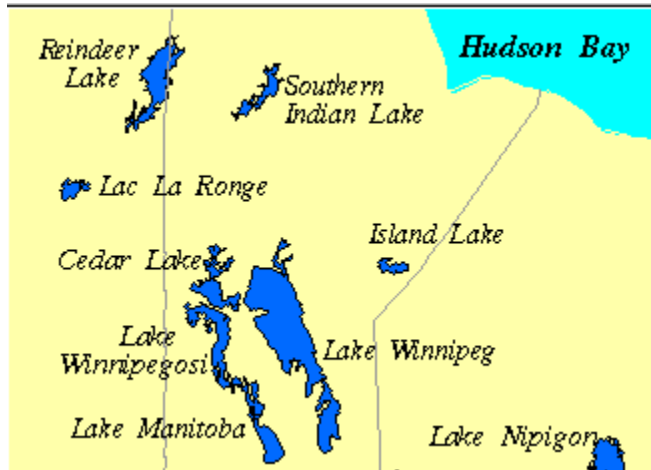
 ZIP_USA -- U.S. ZIP Codes

41,738 points, 11 descriptive fields. Contains five-digit ZIP Code locations for the entire United States.

Snapshot

Fields:

Zip -- The five-digit ZIP Code. (String)

Enc_zip -- The five-digit ZIP Code that encloses the ZIP Code or blank. (String)

State -- The state abbreviation of the state in which the ZIP Code area is located. (String)

Area -- The area in square miles of the ZIP code polygon calculated from the polygon boundary in Albers Equal Area Projection. (Number)

Po_name -- The name of ZIP Code according to the U.S. Postal Service. (String)

Nametype -- The Post Office facility type. (String)

Cty1fips -- The FIPS code of the first county in which the ZIP Code is found. (String)

Cty2fips -- The FIPS code of the second county in which the ZIP Code is found. (String)

Cty3fips -- The FIPS code of the third county in which the ZIP Code is found. (String)

Rpo_flag -- Residential Post Office indicator. (String)

Zip_type -- The type of ZIP Code according to the U.S. Postal Service. Contains one of the following types: (String)

     Non-unique ZIP
     PO Box ZIP
     Unique ZIP
     Military ZIP
     GDT ZIP (zero delivery area)

U.S. ZIP Codes - Technical Description

GeoDataset name: Zip Codes

Shapefile: Zip_usa.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: U.S. ZIP Codes is an ESRI shapefile with point features.

GeoDataset lineage: ZIP Code locations are from Geographic Data Technology, Inc. and are from a 1998 database.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Single.

Useful display scales:

The 5 point symbol was used to determine the following scales:
    Largest scale: 1:1,000,000
    Smallest scale: 1:5,000,000 in the northeast; 1:7,000,000 elsewhere

U.S. 3 digit ZIP Code Areas

Technical description

GeoDataset name: zip3

The United States 3 digit ZIP Code area ESRI shapefile contains three-digit ZIP Code areas for all 50 states and the District of Columbia.   This file was created by merging the five-digit zip code areas on the first three digits of the zip field.

 ZIP3 -- U.S. 3 digit Zip Code Areas
1,019 polygons, 5 descriptive fields. Contains 3-digit ZIP Code areas for the United States.
Fields:
Area -- The area in square miles of the ZIP code polygon calculated from the polygon boundary in Albers Equal Area Projection.
Zip3 -- The three-digit ZIP Code. (String)

State -- The state abbreviation of the first state in which the three-digit ZIP Code area is located.

Sumblkpop -- The sum of the 1990 population for the US Bureau of the Census Block polygon centroids created by aggregating the populations of each block which fell within the zip code area boundary. (Number)

Pop1999 -- The 1999 population as estimated by CACI International, Inc. created by aggregating the five-digit zip estimates. (Number)

U.S. 3 digit ZIP Code Areas - Technical Description

GeoDataset name: ZIP3

Shapefile name: Zip3.shp

Path: ESRI Data & Maps 1 (CD) \usa

GeoDataset type: United States 3 digit ZIP Code area is an ESRI shapefile where a single feature may consist of multiple noncontiguous areas. They were created from the U.S. ZIP Code Areas GeoDataset.

GeoDataset lineage: United States 3 digit ZIP Code area data were provided by Geographic Data Technology, Inc., and are 1998 data derived from U.S. Postal Service data and other sources.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

When displaying metro areas:

   Largest scale: 1:100,000

   Smallest scale: 1:375,000

When displaying rural areas:

   Largest scale: 1:50,000

   Smallest scale: 1:2,000,000

U.S. ZIP Code Areas

Technical description

GeoDataset name: ZIP Code Areas

The United States ZIP Code area ESRI shapefile contains five-digit ZIP Code areas for all 50 states and the District of Columbia.
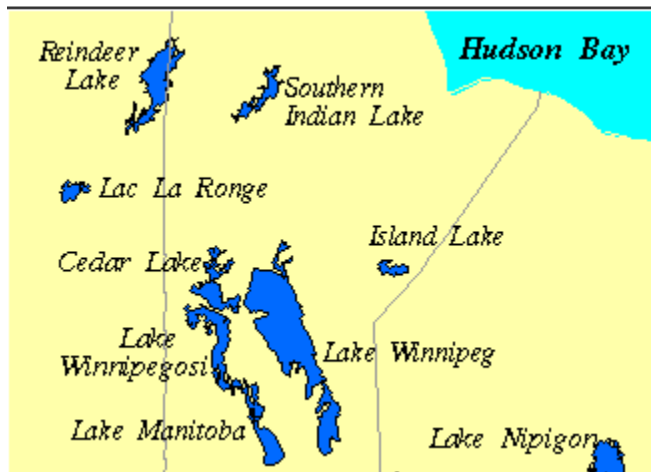
 ZIP_poly -- U.S. Zip Code Areas
29,948 polygons, 6 descriptive fields. Contains 5-digit ZIP Code areas for the United States. Snapshot
Fields:
Area -- The area in square miles of the ZIP code polygon calculated from the polygon boundary in Albers Equal Area Projection.
Zip -- The five-digit ZIP Code. (String)

Po_name -- The name of ZIP Code according to the U.S. Postal Service.

State -- The state abbreviation of the state in which the ZIP Code area is located.

Sumblkpop -- The sum of the 1990 population for the US Bureau of the Census Block polygon centroids created by aggregating the populations of each block which fell within the zip code area boundary. (Number)

Pop1999 -- The total 1999 population for a 5 digit zip estimated by CACI International, Inc. (Number)

U.S. ZIP Code Areas - Technical Description

GeoDataset name: ZIPpoly

Shapefile name: Zip_poly.shp

Path: ESRI Data & Maps 2 (CD) \usa

GeoDataset type: United States ZIP Code area is an ESRI shapefile where a single feature may consist of multiple noncontiguous areas.

GeoDataset lineage: United States ZIP Code area data were provided by Geographic Data Technology, Inc., and are 1998 data derived from U.S. Postal Service data and other sources.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

When displaying metro areas:
   Largest scale: 1:100,000
   Smallest scale: 1:375,000

When displaying rural areas:
   Largest scale: 1:50,000
   Smallest scale: 1:2,000,000

U.S. ZIP Code Areas (by state)

GeoDataset names: [nn]zip

The United States ZIP Code areas are a collection of ESRI shapefiles that contain five-digit ZIP Code areas for each of the 50 states and the District of Columbia. [nn] represents the standard postal abbreviation for the state.

 [nn]zip -- U.S. Zip Code Areas

Number of features, 6 descriptive fields. Contains 5-digit ZIP Code areas for the United States.

Snapshot

Fields:

Area -- The area in square miles of the ZIP code polygon calculated from the polygon boundary in Albers Equal Area Projection.

Zip -- The five-digit ZIP Code. (String)

Po_name -- The name of ZIP Code according to the U.S. Postal Service.

State -- The state abbreviation of the state in which the ZIP Code area is located.

Sumblkpop -- The sum of the 1990 population for the US Bureau of the Census Block polygon centroids created by aggregating the populations of each block which fell within the zip code area boundary. (Number)

Pop1999 -- The total 1999 population for a ZIP Code area estimated by CACI International, Inc. (Number)

U.S. ZIP Code Areas (by state) - Technical Description

GeoDataset names: [nn]zip

Shapefile names: [nn]zip.shp

Path: ESRI Data & Maps 5 (CD) \southusa\[nn],   ESRI Data & Maps 3 (CD) \westusa\[nn], ESRI Data & Maps 4 (CD) \eastusa\[nn]

GeoDataset type: The United States ZIP Code areas are a collection of ESRI shapefiles, one for each state, in which a single feature may consist of multiple noncontiguous areas. [nn] represents the standard postal abbreviation for the state.

GeoDataset lineage: United States ZIP Code area data were provided by Geographic Data Technology, Inc., and are 1998 data derived from U.S. Postal Service data and other sources.

Coordinate system: Latitude/longitude in decimal degrees.

Datum Name: North American Datum of 1983 (Hawaii is in Old Hawaiian Datum).

Coordinate precision: Double.

Useful display scales:

When displaying metro areas:
    Largest scale: 1:100,000
    Smallest scale: 1:375,000

When displaying rural areas:
   Largest scale: 1:50,000
    Smallest scale: 1:2,000,000

City code

Fields:

State_city -- The combined state and city FIPS code. City codes are repeated in different states. This field provides a unique identifier. (String)

Population by age

Fields:

Age_under5 -- Number of people 0 to 4 years of age. (Number)

Age_5_17 -- Number of people 5 to 17 years of age. (Number)

Age_18_64 -- Number of people 18 to 64 years of age. (Number)

Age_65_up -- Number of people 65 years of age and over. (Number)

Composition of households

Fields:

Hsehld_1_m -- Number of one-person male households. (Number)

Hsehld_1_f -- Number of one-person female households. (Number)

Marhh_chd -- Number of households with a married couple and related children. (Number)

Marhh_no_c -- Number of households with a married couple and no related children. (Number)

Mhh_child -- Number of households with a man and children but no wife. (Number)

Fhh_child -- Number of households with a woman and children but no husband. (Number)

County and state names and codes

Fields:

Name -- The county name. (String)

State_name -- The name of the state in which the county is located. (String)

State_fips -- The state FIPS code. (FIPS stands for the United States Federal Information Processing Standards.)

Example: 23 for Maine. (String)

Cnty_fips -- The county FIPS code.

Example: 361 for Orange County, Texas. (String)

Fips -- The combined state and county FIPS code. County FIPS codes begin with 001 for all states, so you must use the combined code to uniquely identify a county in the country. (String)

Farm information

   Note   Attribute values of -99 in the following fields are null values (data not available).

Fields:

No_Farms87 -- Total number of farms. (Number)

Avg_size87 -- Average farm size in acres. (Number)

Crop_acr87 -- The total area of cropland in acres. (Number)

Avg_sale87 -- Average sales of agricultural products per farm, in thousands of dollars. (Number)

Housing unit information

Fields:

Hse_units -- Total number of housing units. (Number)

Vacant -- Number of housing units that are vacant. (Number)

Owner_occ -- Number of housing units that are occupied by the owner. (Number)

Renter_occ -- Number of housing units that are occupied by renters. (Number)

Median_val -- Median value of all housing units. (Number)

Medianrent -- Median rent charged for all housing units that are rented. (Number)

Units_1det -- Number of housing units with one detached unit in the structure. (Number)

Units_1att -- Number of housing units with one attached unit in the structure. (Number)

Units2 -- Number of housing units with two units in the structure. (Number)

Units3_9 -- Number of housing units with three to nine units in the structure. (Number)

Units10_49 -- Number of housing units with 10 to 49 units in the structure. (Number)

Units50_up -- Number of housing units with 50 or more units in the structure. (Number)

Mobilehome -- Number of mobile homes or trailers. (Number)

Population by age

Fields:

Age_under5 -- Number of people 0 to 4 years of age. (Number)

Age_5_17 -- Number of people 5 to 17 years of age. (Number)

Age_18_29 -- Number of people 18 to 29 years of age. (Number)

Age_30_49 -- Number of people 30 to 49 years of age. (Number)

Age_50_64 -- Number of people 50 to 64 years of age. (Number)

Age_65_up -- Number of people 65 years of age and over. (Number)

Population by marital status

Fields:

Nevermarry -- Number of people who have never been married. (Number)

Married -- Number of people who are married. (Number)

Separated -- Number of people who are separated from their spouse. (Number)

Widowed -- Number of people whose spouse died. (Number)

Divorced -- Number of people who are divorced. (Number)

Population by race and ethnicity

Fields:

Males -- Number of males. (Number)

Females -- Number of females. (Number)

White -- Number of people identified as white. (Number)

Black -- Number of people identified as black. (Number)

Ameri_es -- Number of people identified as American Indian, Eskimo, or Aleut. (Number)

Asian_pi -- Number of people identified as Asian or Pacific Islander. (Number)

Other -- Number of people identified as belonging to a race other than white, black, American Indian, or Asian. (Number)

Hispanic -- Number of people of all races identified as being of Hispanic origin. (Number)

State names and codes

Fields:

State_name -- The name of the state. (String)

State_fips -- The state FIPS code. (FIPS stands for the United States Federal Information Processing Standards.)
Example: 23 for Maine. (String)

Total Population

The estimated total population is the computed number of people living in the county (resident population) as of July 1.

Fields:

Pop1998 -- Total population 7/1/1998 estimate. (Number)

Pop1997 -- Total population 7/1/1997 estimate. (Number)

Pop1996 -- Total population 7/1/1996 estimate. (Number)

Pop1995 -- Total population 7/1/1995 estimate. (Number)

Pop1994 -- Total population 7/1/1994 estimate. (Number)

Pop1993 -- Total population 7/1/1993 estimate. (Number)

Pop1992 -- Total population 7/1/1992 estimate. (Number)

Pop1991 -- Total population 7/1/1991 estimate. (Number)

Pop1990 -- Total population 7/1/1990 estimate. (Number)

Pop90cen -- Total population (census) 4/1/1990 estimate. (Number)

Population Age 65 and Over

The estimated population age 65 and over is the computed number of people (age 65 and over) living in the county (resident population) as of July 1.

Fields:

Over65_98 -- Age 65 and over population 7/1/1998 estimate. (Number)

Over65_97 -- Age 65 and over population 7/1/1997 estimate. (Number)

Over65_96 -- Age 65 and over population 7/1/1996 estimate. (Number)

Over65_95 -- Age 65 and over population 7/1/1995 estimate. (Number)

Over65_94 -- Age 65 and over population 7/1/1994 estimate. (Number)

Over65_93 -- Age 65 and over population 7/1/1993 estimate. (Number)

Over65_92 -- Age 65 and over population 7/1/1992 estimate. (Number)

Over65_91 -- Age 65 and over population 7/1/1991 estimate. (Number)

Over65_90 -- Age 65 and over population 7/1/1990 estimate. (Number)

Over65_cen -- Age 65 and over population (census) 4/1/1990 estimate. (Number)

Population Under Age 65

The estimated population under age 65 is the computed number of people (under age 65) living in the county (resident population) as of July 1.

Fields:

Under65_98 -- Under age 65 population 7/1/1998 estimate. (Number)

Under65_97 -- Under age 65 population 7/1/1997 estimate. (Number)

Under65_96 -- Under age 65 population 7/1/1996 estimate. (Number)

Under65_95 -- Under age 65 population 7/1/1995 estimate. (Number)

Under65_94 -- Under age 65 population 7/1/1994 estimate. (Number)

Under65_93 -- Under age 65 population 7/1/1993 estimate. (Number)

Under65_92 -- Under age 65 population 7/1/1992 estimate. (Number)

Under65_91 -- Under age 65 population 7/1/1991 estimate. (Number)

Under65_90 -- Under age 65 population 7/1/1990 estimate. (Number)

Under65_90 -- Under age 65 population (census) 4/1/1990 estimate. (Number)

Births

The total number of live births occurring to residents of the county during the period, as reported from the FSCPE and the National Center for Health Statistics (NCHS).

Fields:

Births98 -- 7/1/1997-7/1/1998 births. (Number)

Births97 -- 7/1/1996-7/1/1997 births. (Number)

Births96 -- 7/1/1995-7/1/1996 births. (Number)

Births95 -- 7/1/1994-7/1/1995 births. (Number)

Births94 -- 7/1/1993-7/1/1994 births. (Number)

Births93 -- 7/1/1992-7/1/1993 births. (Number)

Births92 -- 7/1/1991-7/1/1992 births. (Number)

Births91 -- 7/1/1990-7/1/1991 births. (Number)

Births90 -- 4/1/1990-7/1/1990 births. (Number)

Deaths

The total number of deaths occurring within the resident population of the county during the period, as reported from the FSCPE and the National Center for Health Statistics (NCHS).

Fields:

Deaths98 -- 7/1/1997-7/1/1998 deaths. (Number)

Deaths97 -- 7/1/1996-7/1/1997 deaths. (Number)

Deaths96 -- 7/1/1995-7/1/1996 deaths. (Number)

Deaths95 -- 7/1/1994-7/1/1995 deaths. (Number)

Deaths94 -- 7/1/1993-7/1/1994 deaths. (Number)

Deaths93 -- 7/1/1992-7/1/1993 deaths. (Number)

Deaths92 -- 7/1/1991-7/1/1992 deaths. (Number)

Deaths91 -- 7/1/1990-7/1/1991 deaths. (Number)

Deaths90 -- 4/1/1990-7/1/1990 deaths. (Number)

Net International Migration

The difference between migration to the county from outside the United States (immigration) and migration from the county to outside the United States (emigration) during the period.

Fields:

Intlmig98 -- 7/1/1997-7/1/1998 net international migration. (Number)

Intlmig97 -- 7/1/1996-7/1/1997 net international migration. (Number)

Intlmig96 -- 7/1/1995-7/1/1996 net international migration. (Number)

Intlmig95 -- 7/1/1994-7/1/1995 net international migration. (Number)

Intlmig94 -- 7/1/1993-7/1/1994 net international migration. (Number)

Intlmig93 -- 7/1/1992-7/1/1993 net international migration. (Number)

Intlmig92 -- 7/1/1991-7/1/1992 net international migration. (Number)

Intlmig91 -- 7/1/1990-7/1/1991 net international migration. (Number)

Intlmig90 -- 4/1/1990-7/1/1990 net international migration. (Number)

Net Federal Movement

The difference between the movement of federal employees (both military and civilian) and their dependents into and out of the United States during the period.

Fields:

Fedmove98 -- 7/1/1997-7/1/1998 net federal movement. (Number)

Fedmove97 -- 7/1/1996-7/1/1997 net federal movement. (Number)

Fedmove96 -- 7/1/1995-7/1/1996 net federal movement. (Number)

Fedmove95 -- 7/1/1994-7/1/1995 net federal movement. (Number)

Fedmove94 -- 7/1/1993-7/1/1994 net federal movement. (Number)

Fedmove93 -- 7/1/1992-7/1/1993 net federal movement. (Number)

Fedmove92 -- 7/1/1991-7/1/1992 net federal movement. (Number)

Fedmove91 -- 7/1/1990-7/1/1991 net federal movement. (Number)

Fedmove90 -- 4/1/1990-7/1/1990 net federal movement. (Number)

Net Domestic Migration

The difference between domestic in-migration to the county and domestic out-migration from it during the period. Domestic in-migration and out-migration consist of moves where both the origins and destinations are within the United States.

Fields:

Dommig98 -- 7/1/1997-7/1/1998 net domestic migration. (Number)

Dommig97 -- 7/1/1996-7/1/1997 net domestic migration. (Number)

Dommig96 -- 7/1/1995-7/1/1996 net domestic migration. (Number)

Dommig95 -- 7/1/1994-7/1/1995 net domestic migration. (Number)

Dommig94 -- 7/1/1993-7/1/1994 net domestic migration. (Number)

Dommig93 -- 7/1/1992-7/1/1993 net domestic migration. (Number)

Dommig92 -- 7/1/1991-7/1/1992 net domestic migration. (Number)

Dommig91 -- 7/1/1990-7/1/1991 net domestic migration. (Number)

Dommig90 -- 4/1/1990-7/1/1990 net domestic migration. (Number)

Residual

The county population estimates must sum to an independently derived estimate of the national population. The residual is the difference between a county's population as estimated by the county population estimation procedure before and after imposing this constraint. The residual is not a demographic component of population change; rather, it is a statistical artifact of the procedures employed in producing the estimates.

Fields:

Residual98 -- 7/1/1997-7/1/1998 residual. (Number)

Residual97 -- 7/1/1996-7/1/1997 residual. (Number)

Residual96 -- 7/1/1995-7/1/1996 residual. (Number)

Residual95 -- 7/1/1994-7/1/1995 residual. (Number)

Residual94 -- 7/1/1993-7/1/1994 residual. (Number)

Residual93 -- 7/1/1992-7/1/1993 residual. (Number)

Residual92 -- 7/1/1991-7/1/1992 residual. (Number)

Residual91 -- 7/1/1990-7/1/1991 residual. (Number)

Residual90 -- 4/1/1990-7/1/1990 residual. (Number)

Group Quarters Population

The group quarters population includes all persons not living in households. These people live in both institutional (e.g., nursing homes, hospitals, and prisons) and noninstitutional (e.g., college dormitories, military barracks, and workers' dormitories) settings.

Fields:

Gqpop98 -- 7/1/1998 group quarters population. (Number)

Gqpop97 -- 7/1/1997 group quarters population. (Number)

Gqpop96 -- 7/1/1996 group quarters population. (Number)

Gqpop95 -- 7/1/1995 group quarters population. (Number)

Gqpop94 -- 7/1/1994 group quarters population. (Number)

Gqpop93 -- 7/1/1993 group quarters population. (Number)

Gqpop92 -- 7/1/1992 group quarters population. (Number)

Gqpop91 -- 7/1/1991 group quarters population. (Number)

Gqpop90 -- 7/1/1990 group quarters population. (Number)

U.S. Topographic Relief Image

GeoDataset name: Topographic relief image

This TIF image is a georeferenced image created from a 30 Arc-second digital elevation model for North America.   The image is in a Lambert Conformal Conic Projection with a cellsize of approximately 1 kilometer.

Usa_shd.tif -- U.S. Topographic Relief

Path: ESRI Data & Maps 5 (CD) \images
Projection:

Projection   LAMBERT
Zunits   UNKNOWN
Units   METERS

Spheroid   CLARKE1866

Xshift   0.0000000000

Yshift   0.0000000000

Parameters

 20 0 0.000 /* 1st standard parallel

 60 0 0.000 /* 2nd standard parallel

-96 0 0.000 /* central meridian

 40 0 0.000 /* latitude of projection's origin

0.00000 /* false easting (meters)

0.1   /* false northing (meters)

NOTE: for ArcView users

To set the appropriate projection so other data overlays correctly.

Open the projection properties from the view properties menu.

Select Category: Projections of the United States.

Select Type: Lambert Conformal Conic (North America).

OK the projection and view dialogs.

This will project your features so they overlay the image correctly.

Geographic Names Information System Metadata

Identification_Information:

    Citation:

        Citation_Information:

            Originator: U.S. Geological Survey

            Publication_Date: 19810501

            Title: Geographic Names Information System

            Publication_Information:

                Publication_Place: Reston, VA

                Publisher: U.S. Geological Survey

    Description:

        Abstract::   An automated inventory of the names and locations of physical and cultural geographic features located throughout the United States

        Purpose: To promote geographic feature name standardization and to serve as the Federal Government's repository of information regarding feature name spellings and applications for features in U.S. The names listed in the inventory can be published on Federal maps, charts, and in other documents.   The feature locative information has been used in emergency preparedness, marketing, site-selection and analysis, genealogical and historical research, and transportation routing applications.

    Time_Period_of_Content:

        Time_Period_Information:

            Range_of_Dates/Times:

                Beginning_Date: Unknown

                Ending_Date: Present

        Currentness_Reference: ground condition

    Status:

        Progress: In work.

        Maintenance_and_Update_Frequency: As needed.

    Spatial_Domain:

        Bounding_Coordinates:

            West_Bounding_Coordinate: -180.00

            East_Bounding_Coordinate: 172.00

            North_Bounding_Coordinate: 72.00

            South_Bounding_Coordinate: -12.00

    Keywords:

Theme:

    Theme_Keyword_Thesaurus: None.

    Theme_Keyword: geographic feature

    Theme_Keyword: feature name

    Theme_Keyword: place name

Place:

    Place_Keyword_Thesaurus: None.

    Place_Keyword: United States

    Place_Keyword: Territories

    Place_Keyword: Outlying Areas

Access_Constraints: None

Use_Constraints: None

Point_of_Contact:

    Contact_Information:

        Contact_Person_Primary:

            Contact_Person: Roger L. Payne

            Contact_Organization: U.S. Geological Survey

        Contact_Position: Chief, Branch of Geographic Names

        Contact_Address:

            Address_Type: mailing address

            Address: 523 National Center

            City: Reston

            State_or_Province: Virginia

            Postal_Code: 22092

        Contact_Voice_Telephone: 1 703 648 4544

        Contact_Electronic_Mail_Address: rpayne@usgs.gov

        Hours_of_Service: 0730-1700

Data_Set_Credit::   The Geographic Names Information System was developed by the U.S. Geological Survey in cooperation with the U.S. Board on Geographic Names.

Native_Data_Set_Environment: The Geographic Names Information System   was developed in Oracle and operates in a client/server environment on a Data General Aviion computer.   The GNIS database contains approximately 1.5 million records, averaging 200 bytes in length.

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:: A random sample of 10% of the entries in the system were visually verified against the compilation source data (large-scale USGS topographic maps) to ensure an accuracy rate of at least 95%.

Logical_Consistency_Report: Locative references (geographic coordinates, topographic map, and county) are cross-checked for logical consistency.

Completeness_Report: This data set contains information about physical and cultural geographic features identified by a proper name, with the exception of most roads and highways.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:: Accuracy of these digital data is based upon the use of source graphics which are compiled to meet National Map Accuracy Standards. Comparision to the graphic source is used as control to assess digital positional accuracy.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Geological Survey

Publication_Date: unknown

Title: 1:24,000-scale topographic maps

Geospatial_Data_Presentation_Form: map

Publication_Information:

Publication_Place: Reston, VA

Publisher: U.S. Geological Survey

Source_Scale_Denominator: 24000

Type_of_Source_Media: paper

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: unknown

Ending_Date: present

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: USGS

Source_Contribution: Feature names and attribute information

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Board on Geographic Names

Publication_Date: Unpublished material

Title: Records of the U.S. BGN

Type_of_Source_Media: card files

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1932

Ending_Date: present

Source_Currentness_Reference: creation date

Source_Citation_Abbreviation: USBGN

Source_Contribution: Feature names and attribute information

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Forest Service

Publication_Date: unknown

Title: U.S. Forest Service 1:24,000-scale topographic maps

Type_of_Source_Media: paper

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: unknown

Ending_Date: present

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: USFS

Source_Contribution: Feature names and attribute information

Process_Step:

Process_Description: GNIS Phase I data compilation and edit--Feature name and attribute data are collected from the largest-scale USGS topographic maps available. These data are compared to the records of the U.S. Board on Geographic Names.

Source_Used_Citation_Abbreviation: USGS , USBGN

Process_Date: 198105

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Roger L. Payne

Process_Date: not complete

Process_Contact:

Contact_Information:

    Contact_Person_Primary:

        Contact_Person: Robin D. Worcester

        Contact_Organization: U.S. Geological Survey

    Contact_Position: Chief, Geographic Names Information Section

    Contact_Address:

        Address_Type: mailing address

        Address: 523 National Center

        City: Reston

        State_or_Province: Virginia

        Postal_Code: 22092

    Contact_Voice_Telephone: 1 703 648 4551

    Contact_Electronic_Mail_Address: rwrocest@usgs.gov

Process_Step:

    Process_Description: GNIS Maintenance program--Maintenance cooperators feed GNIS new names and corrections discovered in the course of new mapping and revision activities and implementation of the national geographic names standardization program.

    Source_Used_Citation_Abbreviation: USBGN, USGS, USFS

    Process_Date: ongoing

    Process_Contact:

    Contact_Information:

        Contact_Person_Primary:

            Contact_Person: Robin D. Worcester

            Contact_Organization: U.S. Geological Survey

        Contact_Position: Chief, Geographic Names Information Section

        Contact_Address:

            Address_Type: mailing address

            Address: 523 National Center

            City: Reston

            State_or_Province: Virginia

            Postal_Code: 22092

        Contact_Voice_Telephone: 1 703 648 4551

        Contact_Electronic_Mail_Address: rworcest@usgs.gov

        Hours_of_Service: 0900-1700

Spatial_Data_Organization_Information:

    Indirect_Spatial_Reference: Features are located by State and county, and related to the USGS topographic map on which the feature is shown.

    Direct_Spatial_Reference_Method: point

Point_and_Vector_Object_Information:

      SDTS_Terms_Description:

         SDTS_Point_and_Vector_Object_Type: point

Spatial_Reference_Information:

      Horizontal_Coordinate_System_Definition:

         Geographic:

            Latitude_Resolution: 1

            Longitude_Resolution: 1

            Geographic_Coordinate_Units: degrees, minutes, and decimal seconds

Entity_and_Attribute_Information:

      Overview_Description:

         Entity_and_Attribute_Overview: The data set contains records for named geographic features located in the United States, its Territories and Outlying Areas.   The records are organized by State (or State equivalent).   Each record includes: the official name of the feature; the feature type; the county(s) in which the feature is located;   the name(s) of the USGS 1:24,000-scale topographic map(s) on which the feature is shown; geographic coordinates locating the mouth of linear features and the approximate center of areal features, and coordinates locating the feature on each additional (if any) USGS 1:24,000-scale map on which the feature is shown;   a bibliographic code referring to the source of information for each record,   and other names by which the feature may be or may have been known.   Some records include information about the history of the feature or the origin of the feature name.

         Entity_and_Attribute_Detail_Citation: U.S. Department of the Interior, U.S. Geological Survey, 1987 Geographic Names Information System--Data Users Guide 6; Reston, Virginia.   Softcopy in hypertext format is available at: <URL:http://www-nmd.usgs.gov/www/ti/GNIS/gnis_users_guide_toc.html>

            Softcopy in ASCII format is available at:

            <URL:ftp://www-nmd.usgs.gov/pub/ti/GNIS/gnisguide/gnisdug.txt>

            Softcopy in WordPerfect format is available at:

            <URL:ftp://www-nmd.usgs.gov/pub/ti/GNIS/gnisguide/gnisdug.wp5>

            Softcopy in Postscript format is available at:

            <URL:ftp://www-nmd.usgs.gov/pub/ti/GNIS/gnisguide/gnisdug.ps>

Distribution_Information:

      Distributor:

         Contact_Information:

            Contact_Organization_Primary:

               Contact_Organization: Earth Science Information Center, U.S.Geological Survey

            Contact_Address:

               Address_Type: mailing address

               Address: 507 National Center

               City: Reston

State_or_Province: Virginia

Postal_Code: 22092

Contact_Voice_Telephone: 1 800 USA MAPS

Hours_of_Service: In addition to the address above there are   other ESIC offices   throughout the country.   A full list of these offices is at:

<URL:http://www-nmd.usgs.gov/esic/esic_index.html>

Resource_Description: Geographic Names Information System

Distribution_Liability: Although these data have been processed successfully on a computer system at the U.S. Geological Survey, no warranty expressed or implied is made by the USGS regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty. The Geological Survey will warrant the delivery of this product in computer-readable format, and will offer appropriate adjustment of credit when the product is determined unreadable by correctly adjusted computer input peripherals, or when the physical medium is delivered in damaged condition.   Requests for adjustment of credit must be made within 90 day from the date of this shipment from the ordering site.

Standard_Order_Process:

Non-digital_Form: A standard abbreviated version of this data set can be obtained in a bound 8 1/2 by 11 inch paper report.   The report is in alphabetical order by State and then feature name.   Customized reports from this data set can also be obtained. Fees: Standard non-digital report--$1,487.00.   A $3.50 handling charge is applied to all mail orders.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: ASCII

File_Decompression_Technique: No compression applied

Transfer_Size: 4500

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

<URL:http://www-nmd.usgs.gov/www/gnis/gnisftp.html>

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

<URL:ftp://edcftp.cr.usgs.gov/pub/data/gnis/>

Offline_Option:

Offline_Media: 9-track tape

Recording_Capacity:

Recording_Density: 1600

Recording_Density: 6250

Recording_Density_Units: bits per inch

Recording_Format: ASCII or EBCDIC character codes with or without standard ANSI or IBM labels.

Offline_Option:

Offline_Media: CD-ROM

Recording_Format: ISO 9660

Compatibility_Information: Requires an IBM PC-XT-AT or compatible microcomputer with 512 kilobytes of memory, with DOS operating system version 3.0 or greater; one 20 megabyte hard disk drive; and a CD-ROM reader with software drivers that read ISO-9660 formatted CD-ROMs. The CD-ROM contains software for searching, sorting, displaying, printing, and exporting the data.   The software must be installed onto a hard disk before the data can be used. The CD-ROM is accompanied by a users manual entitled the GNIS Digital Gazetteer.

Fees: Standard digital data set--$482.00.   The charge is $57 for the CD-ROM.   A $3.50 handling charge is applied to all mail orders.

Custom_Order_Process: Customized orders derived from this data set can be obtained on a cost recovery basis.

Metadata_Reference_Information:

Metadata_Date: 19950121

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U.S. Geological Survey

Contact_Address:

Address_Type: mailing address

Address: 508 National Center

City: Reston

State_or_Province: Virginia

Postal_Code: 22092

Contact_Voice_Telephone: 1 703 648 4543

Metadata_Standard_Name: Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: 19940608

National Rail Network 1:100,000 Metadata

Identification Information

Citation

  Originator: Bureau of Transportation Statistics, (comp.)

  Publication Date: 1997

  Title: National Rail Network 1:100,000

  Publication Information

    Publication Place: Washington, DC

    Publisher: Bureau of Transportation Statistics

  Larger Work Citation

    Originator: Bureau of Transportation Statistics

    Publication Date: 1997

    Title: National Transportation Atlas Databases

    Publication Information

      Publication Place: Washington, DC

      Publisher: Bureau of Transportation Statistics

Description

  Abstract: The Rail Network is a comprehensive database of the nation's railway system at the 1:100,000 scale.   The data set covers the 48 contiguous States plus the District of Columbia.

  Purpose: The database provides location and partial attribute information for use in national and regional network analysis applications.

Time Period of Content

  Single Date/Time

    Calendar Date: 1996

    Currentness Reference: publication date

Status

  Progress: Complete geography, partial attribute information

  Maintenance and Update Frequency: Annually

Spatial Domain

  Bounding Coordinates

    West Bounding Coordinate: -124.510177

    East Bounding Coordinate: -67.234970

    North Bounding Coordinate: 49.002639

South Bounding Coordinate: 25.440092

Keywords
  Theme
    Theme Keyword Thesaurus: None
    Theme Keyword: network
    Theme Keyword: transportation
    Theme Keyword: railway
    Theme Keyword: rail
    Theme Keyword: digital line graph
    Theme Keyword: DLG
  Place
    Place Keyword Thesaurus: None
    Place Keyword: United States

Access Constraints: None

Use Constraints: None.   Acknowledgment of the Bureau of Transportation Statistics National Transportation Atlas Database would be appreciated in products derived from these data.

Point of Contact
  Contact Person Primary
    Contact Person: Jackson Royal
    Contact Organization: Volpe National Transportation Systems   Center
  Contact Address
    Address Type: mailing and physical address
    Address: Service Assessment Division, DTS-49
    Address: 55 Broadway
    City: Cambridge
    State or Province: MA
    Postal Code: 02142
  Contact Voice Telephone: 617 494 3409
  Contact Facsimile Telephone: 617 494 3260

                    Data Quality Information

Attribute Accuracy
  Attribute Accuracy Report: The partial attribute list identifying 14 railroad ownership and trackage rights are based on information received from the FRA.   A partial quality control

evaluation of the accuracy of these attributes was performed on the database.   The likelihood of attribute errors is greater in the urban than in the rural areas.   The railroad ownership and trackage rights attributes are not complete.   Of the 174,428 line segments in the data set only 61,183 (approximately 35 percent) contain a value for the first railroad owner.   Of 174,428 line segments, only 23,896 (less than 14 percent) contain a value for the first trackage right.   For each ASCII attribute file a corresponding dBase format attribute file is supplied.   Due to the requirement for the file name extension 'dbf', the attribute file number is   included in the file name prefix (RAIL100K.TL2 contains the same attributes RAIL1TL2.DBF).

   Logical Consistency Report: The database is interconnected and is a flowable network. However, there probably are occasions where the connection between links are not exactly in the correct geographical location.   There should be no redundancy of lines or nodes in the database.   Initial QC checks found no obvious under- or overshoots. The database, however, is geographically accurate, at the 1:100,000 scale

   Completeness Report: The only attribute data included in this initial version of the 1:100,000 scale network are track ownership and trackage rights (for 14 railroads) and the State FIPS Code for the links.   There are no attributes listed for Sidings.   The ownership/trackage attributes were generated by conflating the FRA's 1:2,000,000 and the 1:100,000 TIGER/Line databases to the enhanced 1:100,000 DLG database. The railroad ownership and trackage rights attributes are not complete.   Of the 174,428 line segments in the data set only 61,183 (approximately 35 percent) contain a value for the first railroad owner.   Of 174,428 line segments, only 23,896 (less than 14 percent) contain a value for the first trackage right.

       This version of the data set contains no node attributes.

       The sequence number (SEQ) in the ownership (RAIL100K.TL1, RAIL1TL1.DBF) and trackage rights (RAIL100K.TL2, RAIL1TL2.DBF) attribute files may not truly reflect the number of railroads having ownership or trackage rights. In some cases the data provider skipped sequence number(s).   For example, LINKID = 2010 has only a single Trackage Right assigned at SEQ eight.

Positional Accuracy

   Horizontal Positional Accuracy

      Horizontal Positional Accuracy Report: The horizontal accuracy for these data can be stated as being that associated with a 1;100,000 scale map.

Lineage

   Source Information

      Source Citation

         Originator: John A. Volpe National Transportation Systems Center

         Publication Date: 1997

         Title: National Railroad Network

         Geospatial Data Presentation Form: map

      Publication Information

         Publication Place: Washington, DC

         Publisher: Bureau of Transportation Statistics

      Source Scale Denominator: 100,000

         Type of Source Media: CD-ROM

Source Time Period of Content
   Single Date/Time
     Calendar Date: 1996
   Source Currentness Reference: 1996
Source Citation Abbreviation: FRARAIL
Source Contribution: VOLPERAIL

Process Step:

  Process Description: The FRARAIL and the VOLPERAIL were combined using conflation algorithms in both TransCAD and ARC/INFO.   Manual adjustments were then made to the resulting spatial database.

   Source Used Citation Abbreviation: FRARAIL and VOLPERAIL

   Process Date: 1997

   Source Produced Citation Abbreviation:

 Process Contact

  Contact Person Primary

   Contact Person: Jackson Royal

   Contact Organization: Volpe National Transportation Systems Center

  Contact Address

   Address Type: mailing and physical address

   Address: Service Assessment Division, DTS-49

   Address: 55 Broadway

   City: Cambridge

   State or Province: MA

   Postal Code: 02142

  Contact Voice Telephone: 617 494 3409

  Contact Facsimile Telephone: 617 494 3260

Source Citation

  Originator: Rail Industry

  Publication Date: 199512

  Title: The Official Railway Guide

  Publication Information

   Publication Place: New York, NY

   Publisher: K-111 Directory Corp.

  Type of Source Media: hardcopy

  Source Time Period of Content

   Single Date/Time

Calendar Date: 199512
Source Currentness Reference: publication date
Source Citation Abbreviation: ORG
Source Contribution: Railroad line identification ownership and track rights
Process Contact
Contact Person Primary
Contact Person: Jackson Royal
Contact Organization: Volpe National Transportation Systems Center
Contact Address
Address Type: mailing and physical address
Address: Service Assessment Division, DTS-49
Address: 55 Broadway
City: Cambridge
State or Province: MA
Postal Code: 02142
Contact Voice Telephone: 617 494 3409
Contact Facsimile Telephone: 617 494 3260

Spatial Data Organization Information

Direct Spatial Reference Method: Vector
Point and Vector Object Information
SDTS Terms Description
SDTS Point and Vector Object Type: Node
Point and Vector Object Count: 133,428
SDTS Point and Vector Object Type: Network chain,
non-planar graph
Point and Vector Object Count: 174,428

Spatial Reference Information

Horizontal Coordinate System Definition
Geographic
Latitude Resolution: 0.000464
Longitude Resolution: 0.000464

Geographic Coordinate Units: Decimal degrees
      Geodetic Model
        Horizontal Datum Name: North American Datum of 1983
        Ellipsoid Name: GRS 1980

                    Entity and Attribute Information

Detailed_Description:
    Entity_Type:
        Entity_Type_label: RAIL100K.LNK
        Entity_Type_Definition: Line Attribute Table
        Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Length	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: always 'L'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	C	8	6	13	Record modification date
5	LINKID	I	10	14	23	Unique sequential line identification
6	FEATURID	I	10	24	33	Unique line identification
7	ANODE	I	10	34	43	Node identification for the beginning node of the line
8	BNODE	I	10	44	54	Node identification for the ending node of the line
9	DESCRIPT	C	35	55	88	Name or identification for the line feature
10	STFIPS1	C	2	89	90	Primary State FIPS Code
11	STFIPS2	C	2	91	92	Secondary State FIPS Code

Attribute:
    Attribute_Label: RECTYPE
    Attribute_Definition: One character which defines the type of file from a data set
    Attribute_Definition_Source: Assigned
        Attribute_Domain_Values: character
            Enumerated_Domain:
                Enumerated_Domain_Value: L
Attribute:

Attribute_Label: VERSION

Attribute_Definition: File version number

Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date   -

     Date format: YYYYMMDD

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Unique Identification for each line

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: Unique Identification for each line

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: ANODE

  Attribute_Definition: The record in the node file (NODEID) that corresponds to the starting position of the link

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: positive integer

Attribute:

  Attribute_Label: BNODE

  Attribute_Definition: The record in the node file (NODEID) that corresponds to the ending position of the link

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: positive integer

Attribute:

Attribute_Label: DESCRIPT

Attribute_Definition: Name or identification for the line - in this version, this field contains the first railroad owner name

Attribute_Definition_Source:

Attribute_Domain_Values: character

Attribute:

Attribute_Label: STFIPS1

Attribute_Definition: Two digit State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: Character

Codeset_Domain:

Codeset_Name: Federal Information Processing Standard

Attribute:

Attribute_Label: STFIPS2

Attribute_Definition: Two digit State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: Character

Codeset_Domain:

Codeset_Name: Federal Information Processing Standard

Detailed_Description:

Entity_Type:

Entity_Type_label: RAIL100K.NOD

Entity_Type_Definition: Node Attribute Table

Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Length	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: always 'N'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	C	8	6	13	Record modification date
5	NODEID	I	10	14	23	Unique sequential node identification
6	FEATURID	I	10	24	33	Unique node identification
7	LONGITUD	I	10	34	43	Longitude (6 implied decimal places)
8	LATITUDE	I	10	44	53	Latitude (6 implied decimal places)
9	DESCRIPT	C	35	54	88	Name or identification for the node
10	STFIPS	C	2	89	90	State FIPS Code

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: character

      Enumerated_Domain:

        Enumerated_Domain_Value: N

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date   -

     Date format: YYYYMMDD

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: NODEID

  Attribute_Definition: Unique sequential identification for each node

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: Unique Identification for each node

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LONGITUD

  Attribute_Definition: The longitude of the node expressed as a signed integer with six

implied decimal places

  Attribute_Definition_Source:

    Attribute_Domain_Values: integer

Attribute:

  Attribute_Label: LATITUDE

  Attribute_Definition: The latitude of the node expressed as a signed integer with six implied decimal places

  Attribute_Definition_Source:

    Attribute_Domain_Values: integer

Attribute:

  Attribute_Label: DESCRIPT

  Attribute_Definition: Name or identification for the node

  Attribute_Definition_Source:

    Attribute_Domain_Values: character

Attribute:

  Attribute_Label: STFIPS

  Attribute_Definition: Two digit State FIPS Code

  Attribute_Definition_Source: FIPS Pub 6-4

    Attribute_Domain_Values: Character

      Codeset_Domain:

        Codeset_Name: Federal Information Processing Standard

Detailed_Description:

  Entity_Type:

    Entity_Type_label: RAIL100K.GEO

    Entity_Type_Definition: Line Attribute Table

    Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Length	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: always 'G'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	C	8	6	13	Record modification date
5	LINKID	I	10	14	23	Unique sequential line identification
6	blank		20	24	43	blank
7	NPOINT	I	3	44	46	Number of coordinate pairs that make up the line - the coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimals

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: character

      Enumerated_Domain:

        Enumerated_Domain_Value: G

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date -

     Date format: YYYYMMDD

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Unique Identification for each line

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: blank

  Attribute_Definition:

  Attribute_Definition_Source:

    Attribute_Domain_Values:

Attribute:

  Attribute_Label: NPOINT

  Attribute_Definition: The number of coordinate pairs that   define the linear feature.   The coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per and latitude with six implied decimal places

Attribute_Definition_Source: calculated

   Attribute_Domain_Values: positive integer

Attribute:

  Attribute_Label: LONGITUD

  Attribute_Definition: The longitude of the node or shape point expressed as a signed integer with six implied decimal places

  Attribute_Definition_Source:

   Attribute_Domain_Values: integer

Attribute:

  Attribute_Label: LATITUDE

  Attribute_Definition: The latitude of the node or shape point expressed as a signed integer with six implied decimal places

  Attribute_Definition_Source:

   Attribute_Domain_Values: integer

Entity_Attribute_Information:

  Detailed_Description:

    Entity_Type:

      Entity_Type_label: RAIL100K.TL1, RAIL1TL1.DBF

      Entity_Type_Definition: Line Attribute Table

      Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Width	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: Always 'T'
2	VERSION	C	2	2	3	File Version Number
3	REVISION	C	2	4	5	Record Revision Number
4	MODDATE	C	8	6	13	Record modification date
5	FEATURID	I	10	14	23	Unique line identification
6	LINKID	I	10	24	33	Unique sequential line identification
7	SEQ	I	2	34	35	Sequence number
8	RROWNER	C	4	36	39	Railroad Owner Name Abbreviation

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set

  Attribute_Definition_Source: Assigned

   Attribute_Domain_Values: character

Enumerated_Domain:

    Enumerated_Domain_Value: T

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date -

        Date format: YYYYMMDD

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: character

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: Unique Identification for each line

  Attribute_Definition_Source: assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Unique sequential identifier for each line

  Attribute_Definition_Source: assigned

    Attribute_Domain_Values: positive integer

Attribute:

  Attribute_Label: SEQ

  Attribute_Definition: Number assigned to each record which identifies the number of the owner for the link.

  Attribute_Definition_Source: assigned

    Attribute_Domain_Values: positive integer

     Enumerated_Domain:

      Enumerated_Domain_Value: 1,2,3

Attribute:

Attribute_Label: RROWNER
Attribute_Definition:
Attribute_Definition_Source:
  Attribute_Domain_Values: Character

Detailed_Description:
  Entity_Type:
    Entity_Type_label: RAIL100K.TL2 , RAIL1TL2.DBF
    Entity_Type_Definition: Line Attribute Table
    Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Width	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: Always 'T'
2	VERSION	C	2	2	3	File Version Number
3	REVISION	C	2	4	5	Record Revision Number
4	MODDATE	C	8	6	13	Record modification date
5	FEATURID	I	10	14	23	Unique line identification
6	LINKID	I	10	24	33	Unique sequential line identification
7	SEQ	I	2	34	35	Sequence number
8	TR	C	4	36	39	Trackage Right Railroad Name Abbreviation

Attribute:
  Attribute_Label: RECTYPE
  Attribute_Definition: One character which defines the type of file from a data set
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: character
      Enumerated_Domain:
        Enumerated_Domain_Value: T
Attribute:
  Attribute_Label: VERSION
  Attribute_Definition: File version number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: REVISION
  Attribute_Definition: Record revision number

Attribute_Definition_Source: Assigned

   Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date -

        Date format: YYYYMMDD

  Attribute_Definition_Source: Assigned

   Attribute_Domain_Values: character

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: Unique Identification for each line

  Attribute_Definition_Source: assigned

   Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Unique sequential identifier for each line

  Attribute_Definition_Source: assigned

   Attribute_Domain_Values: positive integer

Attribute:

  Attribute_Label: SEQ

  Attribute_Definition: Number assigned to each record which identifies the number of the trackage right for the link.

  Attribute_Definition_Source: assigned

   Attribute_Domain_Values: positive integer

    Enumerated_Domain:

     Enumerated_Domain_Value: 1 through 9

Attribute:

  Attribute_Label: TR

  Attribute_Definition: Railroad name abbreviation identifying the Trackage Rights for the link

  Attribute_Definition_Source:

   Attribute_Domain_Values: Character

Distribution Information

Distributor

  Contact Organization Primary

Contact Organization: BTS Product Distribution Center

Contact Address

   Address Type: mailing and physical address

   Address: 400 Seventh Street, SW

   City: Washington

   State or Province: District of Columbia

   Postal Code: 20590

Contact Voice Telephone: 1 202 366 DATA

Contact Facsimile Telephone: 1 202 366 3640

Contact Electronic Mail Address: orders@bts.gov

Resource Description: National Transportation Atlas Databases 1997

Distribution Liability: None

Standard Order Process

  Digital Form

   Digital Transfer Information

    Format Name: BTS (Bureau of Transportation Statistics standard format for spatial data)

    Format Information Content: The BTS standard format for spatial data is an interim format for distributing National Transportation Atlas Databases pending final approval of an SDTS Transportation Network Profile (TNP).   The BTS standard format consists of a linked set of ASCII fixed record length files.   File formats and data dictionary for the BTS standard format are described in the document,   National Transportation Atlas Data Dictionary and Database Formats, September 1995.   Copies of this documentation are distributed with each National Transportation Atlas Database.

    File Decompression Technique: No compression applied.   However, if using digital transfer online option, note access instructions.

    Transfer Size: 78 megabytes

   Digital Transfer Option

   Online Option

   Computer Contact Information

   Network Address

    Network Resource Name:

     http://www.bts.gov/gis/ntatlas/networks.html

    Access Instructions: Anyone with access to the Internet World Wide Web may connect to the BTS server.   To access a specific database, go to the address listed above in the Network Resource Name.   The BTS server allows visitors to create a downloadable package in any of three common archive formats: .zip - an   MS-DOS zip archive; .tgz - a

gzip-ed unix tar archive; and .tar - a unix tar archive.   This archived package is placed in a temporary file which can then be copied off the BTS server to the visitor's home directory.

Online Computer and Operating System: Sun Ultra running Solaris 2.5.1 operating system.

Offline Option

Offline Media: CD-ROM

Recording Capacity

Recording Density: 650

Recording Density Units: megabytes

Recording Format: ISO 9660

Compatibility Information: CD-ROM is available in either MS-DOS or UNIX compatible record formats.

Fees: none

Ordering Instructions: Call, mail, fax, or E-mail BTS and request the National Transportation Atlas Databases 1997 CD-ROM.   This and other BTS products may also be ordered from the BTS Internet site   (http://www.bts.gov/btsprod/order.html).

Metadata Reference Option

Metadata Date: 19970422

Metadata Review Date: 199705

Metadata Contact:

Contact Organization Primary

Contact Organization: Bureau of Transportation Statistics

Contact Address

Address Type: mailing and physical address

Address: 400 Seventh Street, SW

City: Washington

State or Province: DC

Postal Code: 20590

Contact Voice Telephone: 1 202 366 DATA

Contact Facsimile Telephone: 1 202 366 3640

Contact Electronic Mail Address: ntad@bts.gov

Metadata Standard Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata Standard Version: 19940608

National Highway Planning Network Metadata

IDENTIFICATION INFORMATION

   Data Set Identity: National Highway Planning Network

   Identification Code: Version 2.1

Larger Work Citation

     Originator: Bureau of Transportation Statistics

     Publication Date: 1997

     Title: National Transportation Atlas Databases

     Publication Information

       Publication Place: Washington, DC

       Publisher: Bureau of Transportation Statistics

   Data Set Description: The National Highway Planning Network is a comprehensive network database of the nations principal arterial highway system and other National Highway System routes. The data set covers the 48 contiguous States plus the District of Columbia, Alaska, Hawaii, and Puerto Rico. The nominal scale of the data set is 1:100,000 with an maximal positional error of 80 meters.

Keywords

  Theme:

    Theme Keyword Thesaurus: None

    Theme Keyword: Network

    Theme Keyword: Highways

    Theme Keyword: Interstate

  Place

    Place Keyword: United States

  Bounding Coordinates:

    West Bounding Coordinate: -179.743881

    East Bounding Coordinate: 179.459091

    North Bounding Coordinate: 71.316994

    South Bounding Coordinate: 17.934389

  Data Set Citation: "National Highway Planning Network Version 2 Machine Readable Data Files" prepared by the Federal Highway Administration, Office of Environment and Planning (HEP-11), Washington DC, 1994

  Data Set Credit::   The NHPN Version 2 database was created on behalf of FHWA by members of the Geographic Information Systems Laboratory, Pellissippi Research Institute, The University of Tennessee, Knoxville.

  Use Restrictions: The NHPN Version 2 database, or any portion thereof, can be freely distributed as long as this metadata entry is included with each distribution. The original

metadata entry cannot be modified or deleted from any data transfer.

Contact Person Primary

   Contact Person: Mr. Mark Bradford

   Contact Organization: Office of Environment and Planning, HEP-10

   Contact Organization: The Federal Highway Administration

   Contact Address

     Address Type: mailing address

     Address: 400 Seventh Street, SW

     City: Washington

     State or Province: DC

     Postal Code: 20590

   Contact Voice Telephone: (202) 366-6810

   Contact Facsimile Telephone: (202) 493-2198

   Contact Instructions: Between hours of 9 am and 3 p.m. Eastern Standard Time.

DATA QUALITY INFORMATION

   Beginning Date of Information Content: 1992

   Ending Date of Information Content: 1996

   Thematic Quality:

     Thematic Accuracy Report::   The accuracy of the fields MILES, KM, FCLASS, SIGN1, NHS, and STRAHNET from the description section of the link table is consistent with State supplied information for the years 1992 and 1993. All other attributes in the description of the link table are unverified.

   Logical Consistency Report: All node and link topological relationships and uniqueness of entity Ids are verified by computer algorithm.

   Completeness Report: The complete urban principal arterial system and arterials in rural areas as reported to FHWA by December 1992 are inventoried in the database.   Functional classes below arterial vary on a State by State basis.

   Positional Quality:

     Horizontal Positional Quality:

      Horizontal Positional Accuracy Report: The elements of the NHPN have been conflated to the 1:100,000 DLG-3 data set which maintains a nominal accuracy of at least 80 meters. Where new roads have been added which are not in the DLG-3 database link alignments have been digitized or converted from digital sources acquired from State DOTs with a map scale of at least 1:100,000.

SPATIAL DATA ORGANIZATION INFORMATION

   Direct Spatial Reference Method: Vector

     Point and Vector Object Information:

      Vector Object Information:

SDTS Vector Object Type: "Node, network"
        Vector Object Count: 90,415 nodes
        SDTS Vector Object Type: "Network Chain, non-planar graph"
        Vector Object Count: 125,302 chains

SPATIAL REFERENCE INFORMATION
   Horizontal Coordinate System Definition:
     Geographic:
        Latitude Resolution: 0.000464
        Longitude Resolution: 0.000464
        Geographic Coordinate Units: "Decimal Degrees"
   Geodetic Model
     Horizontal Datum Name: North American Datum of 1983
     Ellipsoid Name: GRS 1980

STATUS INFORMATION
   Data Set Status: Available
   Release Date: 19940915
   Maintenance And Update Frequency: Annual

LINEAGE
   Source Information:
     Source Citation: "National Highway Planning Network V1.1, Bruce Peterson, Oak Ridge
National Laboratory, 1992"
     Source Citation Abbreviation: NHPN V1
     Beginning Date of Source Currentness: 19920701
     Source Contribution: Non-verified attributes for rural highways.
   Source Information:
     Source Citation: USGS Digital Line Graph (DLG-3) Series
     Source Citation Abbreviation: DLG-3
     Beginning Date of Source Currentness: 1978
     Source Contribution: Road alignments for rural and urban highways.
   Source Information:
     Source Citation: State supplied digital and map data
     Source Citation Abbreviation: State Data
     Beginning Date of Source Currentness: 19921231
     Source Contribution: Alignments and attributes for urban highways. Sign route and
function class attributes for principal arterial system.

Process Step:

Process Description: Conflation of NHPN V1 to DLG-3 road alignments using R-MATCH software developed by the Geographic Information Systems Group, University of Tennessee.

Source Used Citation Abbreviation: NHPN V1

Source Used Citation Abbreviation: DLG-3

Process Date: 19930701

Process Step:

Process Description: Digitizing and conversion of state supplied digital and map data. Line work geodetically controlled to match DLG-3 line work.

Source Used Citation Abbreviation: State Data

Source Used Citation Abbreviation: DLG-3

Process Date: 19931231

Process Step:

Process Description: Integration of conflated version of NHPN V1 and assimilated State Data into a comprehensive topologically integrated network database. States edgematched and NHS attributes verified.

Process Date: 19940915

Process Step:

Process Description: Integration of supplemental State Data into the NHPN V2.   NHS attributes verified.

Process Date: 19970115

ENTITY AND ATTRIBUTE INFORMATION

Entity And Attribute Overview: A full discussion of the file structures and data schema for NHPN V2.1 is available in the NHPN V2.1 document

Entity And Attribute Detail Citation: Ray, Julian J, and Mark Bradford, (1997) 'National Highway Planning Network V2.1: Data Schema and File Structures', Report prepared for the Federal Highway Administration, HEP-10.

Entity_Type:

Entity_Type_label: NHPN.LNK

Entity_Type_Definition: Line Attribute Table

Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Length	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: always 'L'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	I	8	6	13	Record modification date

5	LINKID	I	10	14	23	Unique sequential line identification
6	FEATURID	I	10	24	33	Unique line identification
7	ANODE	I	10	34	43	Node identification for the beginning node of the line
8	BNODE	I	10	44	54	Node identification for the ending node of the line
9	DESCRIPT	C	35	55	88	Name or identification for the line feature
10	STFIPS1	C	2	89	90	Primary State FIPS Code
11	STFIPS2	C	2	91	92	Secondary State FIPS Code

Attribute:
  Attribute_Label: RECTYPE
  Attribute_Definition: One character which defines the type of file from a data set.
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: character
          Enumerated_Domain:
            Enumerated_Domain_Value: L
Attribute:
  Attribute_Label: VERSION
  Attribute_Definition: File version number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: REVISION
  Attribute_Definition: Record revision number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: MODDATE
  Attribute_Definition: Record Modification Date
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: LINKID
  Attribute_Definition: Unique line identification number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:

Attribute_Label: FEATURID

Attribute_Definition: Unique line identifier

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: ANODE

Attribute_Definition: The record in the node file (NODEID) that corresponds to the starting position of the link

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: BNODE

Attribute_Definition: The record in the node file (NODEID) that corresponds to the ending position of the link

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: DESCRIPT

Attribute_Definition: Name or identification for the link

Attribute_Definition_Source:

Attribute_Domain_Values: character

Attribute:

Attribute_Label: STFIPS1

Attribute_Definition: Two digit State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: Character

Codeset_Domain:

Codeset_Name: Federal Information Processing Standard

Attribute:

Attribute_Label: STFIPS2

Attribute_Definition: Two digit State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: Character

Codeset_Domain:

Codeset_Name: Federal Information Processing Standard

Entity_Type:

Entity_Type_label: NHPN.NOD

Entity_Type_Definition: Node Attribute Table
Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Length	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: always 'N'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	I	8	6	13	Record modification date
5	NODEID	I	10	14	23	Unique sequential node identification
6	FEATURID	I	10	24	33	Unique node identification
7	LONGITUD	I	10	34	43	Longitude (6 implied decimal places)
8	LATITUDE	I	10	44	53	Latitude (6 implied decimal places)
9	DESCRIPT	C	35	54	88	Name or identification of the node
10	STFIPS	C	2	89	90	State FIPS Code

Attribute:
  Attribute_Label: RECTYPE
  Attribute_Definition: One character which defines the type of file from a data set.
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: character
        Enumerated_Domain:
          Enumerated_Domain_Value: N
Attribute:
  Attribute_Label: VERSION
  Attribute_Definition: File version number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: REVISION
  Attribute_Definition: Record revision number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: MODDATE
  Attribute_Definition: Record Modification Date
  Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: NODEID

  Attribute_Definition: Unique sequential node identification

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: unique node identification number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LONGITUD

  Attribute_Definition: The longitude of the node expressed as a signed integer with six implied decimal places

  Attribute_Definition_Source:

    Attribute_Domain_Values: integer

Attribute:

  Attribute_Label: LATITUDE

  Attribute_Definition: The latitude of the node expressed as a signed integer with six implied decimal places

  Attribute_Definition_Source:

    Attribute_Domain_Values: integer

Attribute:

  Attribute_Label: DESCRIPT

  Attribute_Definition: Node name or identification

  Attribute_Definition_Source:

    Attribute_Domain_Values: character

Attribute:

  Attribute_Label: STFIPS

  Attribute_Definition: Two digit State FIPS Code

  Attribute_Definition_Source: FIPS Pub 6-4

    Attribute_Domain_Values: Character

      Codeset_Domain:

        Codeset_Name: Federal Information Processing Standard

Entity_Type:

  Entity_Type_label: NHPN.GEO

Entity_Type_Definition:

Entity_Type_Definition_Source:

Field Number	Field Name	Field Type	Field Length	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: always 'G'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	I	8	6	13	Record modification date
5	LINKID	I	10	14	23	Unique sequential line identification
6	blank		20	24	43	blank
7	NPOINT	I	3	44	46	Number of coordinate pairs that define the line - the coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimal places

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set.

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: character

        Enumerated_Domain:

          Enumerated_Domain_Value: G

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

Attribute_Definition: Unique line identification number

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: blank

Attribute_Definition:

Attribute_Definition_Source:

Attribute_Domain_Values:

Attribute:

Attribute_Label: NPOINT

Attribute_Definition: The number of coordinate pairs that define the linear feature.   The coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimal places

Attribute_Definition_Source: calculated

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: LONGITUD

Attribute_Definition: The longitude of the node expressed as a signed integer with six implied decimal places

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: LATITUDE

Attribute_Definition: The latitude of the node expressed as a signed integer with six implied decimal places

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Entity_Type:

Entity_Type_label: NHPN.TL1

NHPN_TL1.DBF

Entity_Type_Definition: Line Attribute Table

Entity_Type_Definition_Source: Federal Highway Administration, Office of Environment and planning, HEP-11Field

Field Number	Field Name	Field Type	Field Width	Beg Pos	End Pos	Field Description
1	RECTYPE	C	1	1	1	Record Type: Always 'T'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number

#	Name	Type	Length	Start	End	Description
4	MODDATE	I	8	6	13	Record Modification Date
5	FEATURID	I	10	14	23	Unique identifier
6	LINKID	I	10	24	33	Sequential Unique Identifier
7	SOURCE	C	1	34	34	Original source of the coordinate information
8	STFIPS	C	2	35	36	State FIPS Code
9	CTFIPS	C	3	37	39	County FIPS Code
10	ORNL-ID	I	8	40	47	Oakridge National Lab assigned link ID
11	LGURB	I	3	48	50	Adjusted Urbanized Area
12	SMURB	I	5	51	55	Adjusted Small Urban Area
13	SIGN1	C	6	56	61	Composite field:
			1	56	56	SIGNT1
			4	57	60	SIGNN1
			1	61	61	SIGNQ1
14	SIGN2	C	6	62	67	Composite field:
			1	62	62	SIGNT2
			4	63	66	SIGNN2
			1	67	67	SIGNQ2
15	SIGN3	C	6	68	73	Composite field:
			1	68	68	SIGNT3
			4	69	72	SIGNN3
			1	73	73	SIGNQ3
16	MILES	N	6	74	79	Measurement in miles
17	KM	N	6	80	85	Measurement in kilometers
18	FACTYPE	I	1	86	86	Permissible flow of traffic
19	TOLL	I	1	87	87	Links which have one or more toll features
20	LANES	I	2	88	89	Number of through lanes in both directions
21	ACONTROL	I	1	90	90	Access control to the link from adjoining roads
22	MEDIAN	I	1	91	91	Type of median
23	SURFACE	I	1	92	92	Predominant surface type
24	FCLASS	I	2	93	94	Assigned functional class
25	ACLASS	C	1	95	95	Administrative class
26	RU_CODE	I	1	96	96	Rural/Urban classification
27	STATUS	I	1	97	97	Describes availability to through traffic
28	NHS	I	1	98	98	Special subnetwork for the Proposed National Highway System
29	STRAHNET	I	1	99	99	Special subnetwork for the Strategic Highway Corridor Network
30	TRANSAM	I	1	100	100	Special subnetwork for the Trans-America corridor

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set.

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: character

        Enumerated_Domain:

          Enumerated_Domain_Value: T

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: Unique line identifier

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Unique line identification number

  Attribute_Definition_Source: Assigned

    Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: SOURCE

  Attribute_Definition: The Source Flag is used to identify the original source of the coordinate information.

Attribute_Definition_Source: Assigned

Attribute_Domain_Values:

Enumerated Domain:

Enumerated_Domain_Value:

S - State Supplied Digital Data

U - USGS Digital Line Graphs

T - US Census Tiger/Line files

D - Digitized from State supplied maps

M - Military Supplied data

Attribute:

Attribute_Label: STFIPS

Attribute_Definition: : Two digit State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: character

Codeset_Domain:

Codeset_Name: Federal Information Processing Standard

Attribute:

Attribute_Label: CTFIPS

Attribute_Definition: Threee digit County FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: character

Codeset_Domain:

Codeset_Name: Federal Information Processing Standard

Attribute:

Attribute_Label: ORNL-ID

Attribute_Definition: Oakridge National Laboratory Assigned Identifier

Attribute_Definition_Source: Assigned - Oakridge National Laboratory

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: LGURB

Attribute_Definition: Large Urbanized Area

Attribute_Definition_Source: US Census

Attribute_Domain_Values: Positive integer

Range Domain:

Range_Domain_Value: 0 - 999

Attribute:

Attribute_Label: SMURB

Attribute_Definition: Adjusted Small Urban Area

Attribute_Definition_Source:

Attribute_Domain_Values: Positive integer

Range Domain:

Range_Domain_Value: 0 - 99999

Attribute:

Attribute_Label: SIGN1

Attribute_Definition: Primary Sign Route

Attribute_Definition_Source: FHWA

Attribute_Domain_Values: character

Enumerated Domain:

Enumerated_Domain_Value: Composite field of SIGNT1, SIGNN1, and SIGNQ1

Note: The SIGNT1 field is followed by a left-adjusted sign route number (SIGNN1) for the route. The SIGNR field can contain alpha characters to allow for actual sign route numbers such as route A1A in Florida. Using HPMS standards, an optional directional indicator (N, S, E, W) can also be used as part of the SIGNN1 field. The Sign Route Number is followed by an optional Sign Route Qualifier Record (SIGNQ1) which is used to qualify the sign route description

Subfield: SIGNT1

Attribute_Definition:

Enumerated Domain:

Enumerated_Domain_Value:

(blank) - not signed

I - Interstate

U - US Route

S - State Route

O - Off-Interstate Business Marker

C - County Route

T - Township

M - Municipal

P - Parkway or Forest Route Marker

N - None of the above

Subfield: SIGNN1

Attribute_Definition:

Enumerated Domain:

Enumerated_Domain_Value: A-Z, 0-9

Subfield: SIGNQ1

Attribute_Definition:

Enumerated Domain:

Enumerated_Domain_Value:

(blank) - No qualifier, not signed, or not applicable

A - Alternate Route

B - Business Route

P - Bypass

S - Spur

L - Loop

F - Proposed (future)

D - Temporary (detour)

T - Truck Route

N - None of the above

Attribute:

  Attribute_Label: SIGN2

  Attribute_Definition: Alternate Sign Route

  Attribute_Definition_Source: FHWA

    Attribute_Domain_Values: character

        Enumerated Domain:

          Enumerated Domain value: Composite Field containing SIGNT2, SIGNN2, and SIGNQ2

            Subfield: SIGNT2

  Attribute_Definition:

        Enumerated Domain:

            Enumerated_Domain_Value:

              (blank) - not signed

                  I - Interstate

                  U - US Route

                  S - State Route

                  O - Off-Interstate Business Marker

                  C - County Route

                  T - Township

                  M - Municipal

                  P - Parkway or Forest Route Marker

                  N - None of the above

            Subfield: SIGNN2

  Attribute_Definition:

        Enumerated Domain:

            Enumerated_Domain_Value: A-Z, 0-9

Subfield: SIGNQ2

Attribute_Definition:

Enumerated Domain:

Enumerated_Domain_Value:

(blank) - No qualifier, not signed, or not applicable

A - Alternate Route

B - Business Route

P - Bypass

S - Spur

L - Loop

F - Proposed (future)

D - Temporary (detour)

T - Truck Route

N - None of the above

Attribute:

Attribute_Label: SIGN3

Attribute_Definition: Alternate Sign Route

Attribute_Definition_Source: FHWA

Attribute_Domain_Values: character

Enumerated Domain:

Enumerated Domain value: Composite Field containing SIGNT3, SIGNN3, and SIGNQ3

Subfield: SIGNT3

Attribute_Definition:

Enumerated Domain:

Enumerated_Domain_Value:

(blank) - not signed

I - Interstate

U - US Route

S - State Route

O - Off-Interstate Business Marker

C - County Route

T - Township

M - Municipal

P - Parkway or Forest Route Marker

N - None of the above

Subfield: SIGNN3

Attribute_Definition:

    Enumerated Domain:

        Enumerated_Domain_Value: A-Z, 0-9

      Subfield: SIGNQ3

Attribute_Definition:

    Enumerated Domain:

        Enumerated_Domain_Value:

            (blank) - No qualifier, not signed, or not applicable

                A - Alternate Route

                B - Business Route

                P - Bypass

                S - Spur

                L - Loop

                F - Proposed (future)

                D - Temporary (detour)

                T - Truck Route

                N - None of the above

Attribute:

  Attribute_Label: MILES

  Attribute_Definition: An accurate measurement in miles for the link chain. Contains two (2) implied decimal places and is calculated from the link chain

  Attribute_Definition_Source: calculated

    Attribute_Domain_Values:

Attribute:

  Attribute_Label: KM

  Attribute_Definition: An accurate measurement in kilometers for the link chain. Contains two (2) implied decimal places and is calculated from the MILES field

  Attribute_Definition_Source:

    Attribute_Domain_Values:

Attribute:

  Attribute_Label: FACTYPE

  Attribute_Definition: Describes the permissible flow of traffic over the link

  Attribute_Definition_Source:

    Attribute_Domain_Values:

        Enumerated Domain:

          Enumerated_Domain_Value: 1 - One way flow

                            2 - bi-directional flow

Attribute:

Attribute_Label: TOLL

Attribute_Definition: Identifies links which have one or more toll features associated with travel along the link

Attribute_Definition_Source:

  Attribute_Domain_Values: Positive integer

      Enumerated Domain:

        Enumerated_Domain_Value: 0 - Not A Toll Road

                            1 - Toll Road

Attribute:

  Attribute_Label: LANES

  Attribute_Definition: Number of lanes in both directions

  Attribute_Definition_Source:

    Attribute_Domain_Values: Positive integer

        Enumerated Domain:

          Enumerated_Domain_Value: 0 - 99

Attribute:

  Attribute_Label: ACONTROL

  Attribute_Definition: Describes the degree of access control to the link from adjoining roads

  Attribute_Definition_Source:

    Attribute_Domain_Values: Positive integer

        Enumerated Domain:

          Enumerated_Domain_Value: 0 - Unknown

                            1 - Full Access Control

                            2 - Partial Access Control

                            3 - No Access Control

        Note: Classification of Access Control should be consistent with HPMS Guidelines

Attribute:

  Attribute_Label: MEDIAN

  Attribute_Definition: Describes the type of median

  Attribute_Definition_Source:

    Attribute_Domain_Values: Positive integer

        Enumerated Domain:

          Enumerated_Domain_Value: 0 - Unknown

                            1 - Divided Highway

                            2 - Undivided Highway

Attribute:

  Attribute_Label: SURFACE

Attribute_Definition: Identifies the predominant surface type on the link

Attribute_Definition_Source:

Attribute_Domain_Values: Positive integer

Enumerated Domain:

Enumerated_Domain_Value: 0 - Unknown

1 - Paved

2 - Unpaved

3 - Ferry

Attribute:

Attribute_Label: FCLASS

Attribute_Definition: Identifies the assigned functional class of each link. The Functional Class represents the assigned classification from the 1992 Functional Reclassification by State agencies

Attribute_Definition_Source: Standard HPMS Codes

Attribute_Domain_Values: integer

Enumerated Domain:

Enumerated_Domain_Value:

01 - Rural Interstate

02 - Rural Principal Arterial

06 - Rural Minor Arterial

07 - Rural Major Collector

08 - Rural Minor Collector

09 - Rural Local

11 - Urban Interstate

12 - Urban Freeway or Expressway

14 - Urban Principal Arterial

16 - Urban Minor Arterial

17 - Urban Collector

19 - Urban Local

Attribute:

Attribute_Label: ACLASS

Attribute_Definition: Administrative class associated with the link (Federal Aid System)

Attribute_Definition_Source:

Attribute_Domain_Values: character

Enumerated Domain:

Enumerated_Domain_Value:

(blank) - Federal-Aid status unknown

I - Federal-Aid Interstate

P - Federal-Aid Primary

S - Federal-Aid Secondary

U - Federal-Aid urban

N - Not on Federal-Aid System

F - Direct Federal System

Attribute:

  Attribute_Label: RU_CODE

  Attribute_Definition: Rural/Urban classification

  Attribute_Definition_Source:

    Attribute_Domain_Values: integer

        Enumerated Domain:

          Enumerated_Domain_Value:

                1 - Rural

                2 - Small Urban (1990 pop 5,000-49,999)

                3 - Large Urban (1990 > 50,000)

Attribute:

  Attribute_Label: STATUS

  Attribute_Definition: Describes availability of the link to through traffic

  Attribute_Definition_Source:

    Attribute_Domain_Values:

        Enumerated Domain:

          Enumerated_Domain_Value:

                0 - Proposed/Under construction

                1 - Open to traffic

Attribute:

  Attribute_Label: NHS

  Attribute_Definition: Special subnetwork for the proposed National Highway System

  Attribute_Definition_Source:

    Attribute_Domain_Values: Positive Integer

        Enumerated Domain:

          Enumerated_Domain_Value:

                0 - Not on NHS

                1 - Interstate

                2 - ISTEA High Priority Corridor

                3 - Non-Interstate STRAHNET

                4 - STRAHNET Connector

                5 - ISTEA High Priority Corridor/Non-Interstate STRAHNET

6 - ISTEA High Priority Corridor STRAHNET Connector

7 - Other NHS

Note: The definition of the complete ISTEA High Priority Corridor subnetwork can be made by selecting NHPN   links that have a NHS value of 2, 5, or 6

Attribute:

Attribute_Label: STRAHNET

Attribute_Definition: Special subnetwork for the Strategic Highway Corridor Network

Attribute_Definition_Source:

Attribute_Domain_Values:

Enumerated Domain:

Enumerated_Domain_Value:

0 - Not on STRAHNET

1 - Non-Interstate STRAHNET link

2 - STRAHNET Priority 1 Connector

3 - STRAHNET Priority 2 Connector

4 - STRAHNET Priority 3 Connector

5 - Temporary STRAHNET Route

Attribute:

Attribute_Label: TRANSAM

Attribute_Definition: Special subnetwork for the TransAmerica corridor

Attribute_Definition_Source:

Attribute_Domain_Values: Positive integer

Enumerated Domain:

Enumerated_Domain_Value:

0 - Not on the Trans-America corridor

1 - Trans-America corridor link

Notes: The TRANSAM field describes a representation of what the Trans-America corridor could look like. At the time of documentation no Trans-America corridor has been defined.   The definition of the represented corridor is due to Bruce Peterson, Oak Ridge National Laboratory

Entity_Type:

Entity_Type_label: NHPN.TN2

NHPN_TN2.DBF

Entity_Type_Definition: Node Attribute Table

Entity_Type_Definition_Source: Federal Highway Administration, Office of Environment and planning, HEP-11

Field Number	Field Name	Field Type	Field Width	Beg Pos	End Pos	Field Description

1	RECTYPE	C	1	1	1	Record Type: Always 'T'
2	VERSION	C	2	2	3	File version number
3	REVISION	C	2	4	5	Record revision number
4	MODDATE	I	8	6	13	Record Modification Date
5	FEATURID	I	10	14	23	Sequential unique Node Identifier
6	NODEID	I	10	24	33	Unique node identifier
7	STFIPS	C	2	34	35	State FIPS Code
7	CTFIPS	C	3	36	38	County FIPS Code
8	ORNL-ID	I	7	39	45	Unique identifier from ORNL
9	LGURB	I	3	46	48	Three digit HPMS Urbanized Area code
10	SMURB	I	5	49	53	Five digit CENSUS Adjusted Small Urban Area Code
11	BNDRY	I	2	54	55	To designate boundary node

Attribute:
  Attribute_Label: RECTYPE
  Attribute_Definition: One character which defines the type of file from a data set.
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: character
        Enumerated_Domain:
          Enumerated_Domain_Value: T
Attribute:
  Attribute_Label: VERSION
  Attribute_Definition: File version number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: REVISION
  Attribute_Definition: Record revision number
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: MODDATE
  Attribute_Definition: Record Modification Date
  Attribute_Definition_Source: Assigned
    Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: FEATIRID

Attribute_Definition: Unique node identification

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: NODEID

Attribute_Definition: Unique node identification

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_ Label: STFIPS

Attribute_ Definition: State FIPS Code

Attribute_ Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: character

Codeset Domain:

Codeset Name: Federal Information Processing Standard

Attribute:

Attribute_Label: CTFIPS

Attribute_Definition: County Federal Information Processing

Standard Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: character

Codeset Domain:

Codeset Name: Federal Information Processing Standard

Attribute:

Attribute_Label: ORNL-ID

Attribute_Definition: The ORNL-ID is used to maintain consistency between Version 1 of the NHPN, developed for the FHWA and other agencies primarily by the Oak Ridge National Laboratory (Peterson 1992), and the FHWA's NHPN Version 2. Each node element in the NHPN will contain the equivalent Version 1 ORNL-ID as a foreign key where possible

Attribute_Definition_Source:

Attribute_Domain_Values:

Attribute:

Attribute_Label: LGURB

Attribute_Definition: Three digit HPMS Urbanized Area code for the Adjusted Urbanized Area in which the node lies. A value of 0 indicates the node is outside any HPMS Adjusted Urbanized Areas. Nodes which lie on the boundary of an Urbanized Area will have a LGURB value of zero

Attribute_Definition_Source:

Attribute_Domain_Values: Positive integer

Range Domain:

Range_Domain_Value: 0 - 999

Attribute:

Attribute_Label: SMURB

Attribute_Definition: Five digit CENSUS Adjusted Small Urban Area code for cities under 50,000 population in 1990. A value of 0 indicates the node is outside any Adjusted Small Urban Area.   Nodes which lie on the boundary of a small urban area will have a SMURB value of zero

Attribute_Definition_Source:

Attribute_Domain_Values: Positive integer

Range Domain:

Range_Domain_Value: 0 - 99999Attribute:

Attribute_Label: BNDRY

Attribute_Definition: The BNDRY Flag is used to identify nodes which lie on the boundary of logical polygons maintained within NHPN

Attribute_Definition_Source:

Attribute_Domain_Values:

Enumerated Domain:

Enumerated_Domain_Value:

0 - Not a boundary node   1 - County Boundary   2 - Adjusted Urbanized Area   4 - Adjusted Small Urban Area   10 - State Border

Note: The values for BNDRY are additive and can be used to describe a node which lies on the border of more than one boundary. For example a node at a State border will also be a county border node and will therefore, have a value of $1 + 10 = 11$.   Similarly a node which lies on the boundary of an Urbanized Area and a small urban area will have a BNDRY value of $4 + 2 = 6$. If it were also a county boundary it would have a value of $1 + 2 + 4 = 7$.

Distribution Information

Distributor

Contact Organization Primary

Contact Organization: BTS Product Distribution Center

Contact Address

Address Type: mailing and physical address

Address: 400 Seventh Street, SW

City: Washington

State or Province: DC

Postal Code: 20590

Contact Voice Telephone: 1 202 366 DATA

Contact Facsimile Telephone: 1 202 366 3640

Contact Electronic Mail Address: orders@bts.gov

Resource Description: National Transportation Atlas Database 1997

Distribution Liability: None

Standard Order Process

  Digital Form

    Digital Transfer Information

      Format Name: BTS (Bureau of Transportation Statistics standard format for spatial data)

      Format Information Content: The BTS standard format for spatial data is an interim format for distributing National Transportation Atlas Databases pending final approval of an SDTS Transportation Network Profile (TNP).   The BTS standard format consists of a linked set of ASCII fixed record length files.   File formats and data dictionary for the BTS standard format are described in the document,   National Transportation Atlas Data Dictionary and Database Formats', September 1995.   Copies of this documentation are distributed with each National Transportation Atlas Database.

      File Decompression Technique: No compression applied.   However, if using digital transfer online option, note access instructions.

      Transfer Size: 130.5 megabytes

    Digital Transfer Option

    Online Option

      Computer Contact Information

        Network Address

          Network Resource Name:

        http://www.bts.gov/gis/ntatlas/networks.html

      Access Instructions: Anyone with access to the Internet World Wide Web may connect to the BTS server.   To access a specific database, go to the address listed above in the Network Resource Name.   The BTS server allows visitors to create a downloadable package in any of three common archive formats: .zip - an MS-DOS zip archive; .tgz - a gzip-ed unix tar archive; and .tar - a unix tar archive.   This archived package is placed in a temporary file which can then be copied off the BTS server to the visitor's home directory.

      Online Computer and Operating System: Sun Ultra running Solaris 2.5.1 operating system.

    Offline Option

      Offline Media: CD-ROM

      Recording Capacity

        Recording Density: 650

Recording Density Units: megabytes

Recording Format: ISO 9660

Compatibility Information: CD-ROM is available in either MS-DOS or UNIX compatible record formats.

Fees: none

Ordering Instructions: Call, mail, fax, or E-mail BTS and request the National Transportation Atlas Databases 1997 CD-ROM.   This and other BTS products may also be ordered from the BTS Internet site

(http://www.bts.gov/btsprod/order.html).

Metadata Reference Option

Metadata Date: 19940720

Metadata Review Date: 199706

Metadata Contact:

  Contact Organization Primary

  Contact Organization: Bureau of Transportation Statistics

  Contact Address

     Address Type: mailing address

     Address: 400 Seventh Street, SW

     City: Washington

     State or Province: DC

     Postal Code: 20590

  Contact Voice Telephone: 1 202 366 3282

  Contact Facsimile Telephone: 1 202 366 3640

  Contact Electronic Mail Address: ntad@bts.gov

Metadata Standard Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata Standard Version: 19940608

104th Congressional District Metadata

Identification Information

Citation

  Originator: Bureau of Transportation Statistics, (comp.)

  Publication Date: 1997

  Title: 104th Congressional District Boundaries

  Publication Information

    Publication Place: Washington, DC

    Publisher: Bureau of Transportation Statistics

  Larger Work Citation

    Originator: Bureau of Transportation Statistics

    Publication Date: 1997

    Title: National Transportation Atlas Databases

    Publication Information

      Publication Place: Washington, DC

      Publisher: Bureau of Transportation Statistics

Description

    Abstract: The 104th Congressional District Boundaries database is a geographic database of political boundaries for the 104th Congressional districts.

    Purpose: The data provide users with information about the locations of congressional districts, primarily for national planning applications.

Time Period of Content

  Single Date/Time

    Calendar Date: 1995

  Currentness Reference: publication date

Status

  Progress: Complete

  Maintenance and Update Frequency: Annually

Spatial Domain

  Bounding Coordinates

    West Bounding Coordinate: -179.144806

    East Bounding Coordinate: 179.764160

North Bounding Coordinate: 71.332649
South Bounding Coordinate: 17.885115

Keywords
  Theme
    Theme Keyword Thesaurus: None
    Theme Keyword: area
    Theme Keyword: background
    Theme Keyword: polygon
    Theme Keyword: boundary
    Theme Keyword: congressional district
  Place
    Place Keyword Thesaurus: None
    Place Keyword: United States

Access Constraints: None

Use Constraints: None.   Acknowledgment of the Bureau of Transportation Statistics National Transportation Atlas Database would be appreciated in products derived from these data.

Data Quality Information

Attribute Accuracy
  Attribute Accuracy Report:

  Logical Consistency Report:

  Completeness Report:

Positional Accuracy
  Horizontal Positional Accuracy
    Horizontal Positional Accuracy Report:

Lineage
  Source Information
    Originator: U.S. Bureau of the Census
      Publication Date: 1994

Title: TIGER Extract - Thinned Boundary Files

Geospatial Data Presentation Form: none

Publication Information

   Publication Place: Washington D.C.

   Publisher: U.S. Bureau of the Census

Online Linkage: ftp://ftp.census.gov/pub/tiger/boundary/

Source Scale Denominator: none

Type of Source Media: online

Source Time Period of Content

   Single Date/Time

      Calendar Date: 1994

Source Currentness Reference: publication date

Source Citation Abbreviation: TIGER

Source Contribution: Spatial information for the 104th Congressional District boundaries.

Process Step

  Process Description: individual files for the Congressional Districts in Alaska, Hawaii, Puerto Rico, and the 48 contiguous states were merged into a single data set

   Source Used Citation Abbreviation: TIGER

   Process Date: 1995

   Source Produced Citation Abbreviation: CD104

   Process Contact

      Contact Person Primary

         Contact Person: Carol Brandt

         Contact Organization: Bureau of Transportation Statistics, USDOT

      Contact Address

         Address Type: mailing and physical address

         Address: Bureau of Transportation Statistics, USDOT

         Address: 400 Seventh Street, SW

         City: Washington

         State or Province: District of Columbia

         Postal Code: 20590

      Contact Voice Telephone: 1 202 366 DATA

      Contact Facsimile Telephone: 1 202 366 3640

      Contact Electronic Mail Address: ntad@bts.gov

         Spatial Data Organization Information

Direct Spatial Reference Method: Vector
   Point and Vector Object Information
      SDTS Terms Description
         SDTS Point and Vector Object Type: GT-Polygon composed of chains
            Point and Vector Object Count: 1934
         SDTS Point and Vector Object Type: Area chain
            Point and Vector Object Count: 659

                    Spatial Reference Information

Horizontal Coordinate System Definition
   Geographic
      Latitude Resolution: 0.000464
      Longitude Resolution: 0.000464
      Geographic Coordinate Units: Decimal degrees
   Geodetic Model
      Horizontal Datum Name: North American Datum of 1983
      Ellipsoid Name: GRS 1980

                    Entity and Attribute Information

Detailed_Description:
   Entity_Type:
      Entity_Type_label: CD104.ARE
      Entity_Type_Definition: Polygon Attribute Table
      Entity_Type_Definition_Source:

Field   Field   Field Beg End Field Field
Number Name   Width Pos Pos   Type Description
 1   RECTYPE   1   1   1   C   Record Type: Always 'A'
 2   VERSION   2   2   3   C   File Version Number
 3   REVISION   2   4   5   C   Record revision number
 4   MODDATE   8   6   13   I   Record modification date
 5   POLYID   10   14   23   I   Unique identification for each polygon
 6   FEATURID   10   24   33   C   Unique identification for the geographic entity

(Congressional District)

7	CNTRLONG	10	34	43	I	Centroid longitude value for the polygon
8	CNTRLAT	10	44	54	I	Centroid latitude value for the polygon
9	DESCIPT	35	55	88	C	Name/identification for the geographic entity
10	STFIPS	2	89	90	C	State FIPS Code

Attribute:
  Attribute_Label: RECTYPE
  Attribute_Definition: One character which defines the type of file from a data set.
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: character
    Enumerated_Domain:
      Enumerated_Domain_Value: A
Attribute:
  Attribute_Label: VERSION
  Attribute_Definition: File version number
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: REVISION
  Attribute_Definition: Record revision number
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: MODDATE
  Attribute_Definition: Record Modification Date
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: POLYID
  Attribute_Definition: Unique identifier for each polygon
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: FEATURID
  Attribute_Definition: unique identifier for the geographic entity - Congressional District Code

Attribute_Definition_Source: Census

Attribute_Domain_Values: character

Attribute:

Attribute_Label: CNTRLONG

Attribute_Definition: Centroid longitude value for the polygon expressed as a signed integer with six implied decimal places

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: CNTRLAT

Attribute_Definition: Centroid latitude value for the polygon expressed as a signed integer with six implied decimal places

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: DESCRIPT

Attribute_Definition: Name/identification - blank

Attribute_Definition_Source:

Attribute_Domain_Values: character

Attribute:

Attribute_Label: STFIPS

Attribute_Definition: State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: character

Codeset Domain:

Codeset Name: Federal Information Processing Standard

Detailed_Description:

Entity_Type:

Entity_Type_label: CD104.GEO

Entity_Type_Definition: Line Attribute Table

Entity_Type_Definition_Source:

Field Number	Field Name	Field Length	Beg Pos	End Pos	Field Type	Field Description
1	RECTYPE	1	1	1	C	Record Type: always 'G'
2	VERSION	2	2	3	C	File version number
3	REVISION	2	4	5	C	Record revision number

4   MODDATE   8   6 13   I   Record modification date

5   LINKID   10   14 23   I   Unique sequential line identification

6   POLYIDL   10   24 33   I   The polygon identification number (POLYID) for the left line side

6   POLYIDR   10   34 43   I   The polygon identification number (POLYID) for the right line side

7   NPOINT   3   44 46   I   Number of coordinate pairs that make up the line - the coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimals

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set.

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: character

    Enumerated_Domain:

      Enumerated_Domain_Value: G

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Sequential Unique Identification for each line

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: POLYIDL

Attribute_Definition: The polygon identification number (POLYID) from the area (.are) file for the left line side record

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: POLYIDR

Attribute_Definition: The polygon identification number (POLYID) from the area (.are) file for the right line side record

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: NPOINT

Attribute_Definition: Number of coordinate pairs that make up the line - the coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimal places

Attribute_Definition_Source: calculated

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: LONGITUD

Attribute_Definition: The longitude of the node or shape point expressed as a signed integer with six implied decimal places.

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: LATITUDE

Attribute_Definition: The latitude of the node or shape point expressed as a signed integer with six implied decimal places.

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Distribution Information

Distributor

Contact Organization Primary

Contact Organization: BTS Product Distribution Center

Contact Address

Address Type: mailing and physical address

Address: 400 Seventh Street, SW

City: Washington

State or Province: District of Columbia

Postal Code: 20590

Contact Voice Telephone: 1 202 366 DATA

Contact Facsimile Telephone: 1 202 366 3640

Contact Electronic Mail Address: orders@bts.gov

Resource Description: National Transportation Atlas Database 1997

Distribution Liability: None

Standard Order Process

  Digital Form

    Digital Transfer Information

      Format Name: BTS (Bureau of Transportation Statistics standard format for spatial data)

      Format Information Content: The BTS standard format for spatial data is an interim format for distributing National Transportation Atlas Databases pending final approval of an SDTS Transportation Network Profile (TNP).   The BTS standard format consists of a linked set of ASCII fixed record length files.   File formats and data dictionary for the BTS standard format are described in the document,   National Transportation Atlas Data Dictionary and Database Formats', September 1995.   Copies of this documentation are distributed with each National Transportation Atlas Database.

      File Decompression Technique: No compression applied.

        However, if using digital transfer online option, note access instructions.

      Transfer Size: 7 megabytes

    Digital Transfer Option

     Online Option

       Computer Contact Information

         Network Address

           Network Resource Name:

         http://www.bts.gov/gis/ntatlas/background.html

        Access Instructions: Anyone with access to the Internet World Wide Web may connect to the BTS server.   To access a specific database, go to the address listed above in the Network Resource Name.   The BTS server allows visitors to create a downloadable package in any of three common archive formats: .zip - an MS-DOS zip archive; .tgz - a gzip-ed unix tar archive; and .tar - a unix tar archive.   This archived package is placed in a temporary file which can then be copied off the BTS server to the visitor's home directory.

        Online Computer and Operating System: Sun Ultra running Solaris 2.5.1 operating

system.

     Offline Option
       Offline Media: CD-ROM
         Recording Capacity
           Recording Density: 650
           Recording Density Units: megabytes
         Recording Format: ISO 9660
         Compatibility Information: CD-ROM is available in either MS-DOS or UNIX compatible record formats.

  Fees: none

  Ordering Instructions: Call, mail, fax, or E-mail BTS and request the National Transportation Atlas Databases 1997 CD-ROM.   This and other BTS products may also be ordered from the BTS Internet site
      (http://www.bts.gov/btsprod/order.html).

              Metadata Reference Option

Metadata Date: 19950830
Metadata Review Date: 199705
Metadata Contact:
  Contact Organization Primary
    Contact Organization: Bureau of Transportation Statistics
  Contact Address
    Address Type: mailing address
    Address: 400 Seventh Street, SW
    City: Washington
    State or Province: DC
    Postal Code: 20590
  Contact Voice Telephone: 1 202 366 3282
  Contact Facsimile Telephone: 1 202 366 3640
  Contact Electronic Mail Address: ntad@bts.gov
Metadata Standard Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata Standard Version: 19940608

Bureau of Census Urbanized Area Metadata

IDENTIFICATION INFORMATION

Citation
  Originator: Bureau of Transportation Statistics (comp.)
  Publication Date: 1997
  Title: Bureau of the Census Urbanized Area Boundaries
  Publication Information
    Publication Place: Washington, DC
    Publisher: Bureau of Transportation Statistics
  Larger Work Citation
    Originator: Bureau of Transportation Statistics
    Publication Date: 1997
    Title: National Transportation Atlas Databases
    Publication Information
      Publication Place: Washington, DC
      Publisher: Bureau of Transportation Statistics

Description
   Abstract: The Bureau of the Census Urbanized Area Boundaries database is a geographic database of boundaries for urban areas with a population greater than 50,000.   The database includes boundaries for urban areas in all 50 states, the District of Columbia, and Puerto Rico.

   Purpose: The data provide users with information about the locations, names, urban, census and FIPS Codes, and size of urban areas primarily for national planning applications.

Time Period of Content
  Single Date/Time
    Calendar Date: 1995
  Currentness Reference: publication date
Status
  Progress: Complete
  Maintenance and Update Frequency: annual

Spatial Domain
  Bounding Coordinates
    West Bounding Coordinate: -158.084000

East Bounding Coordinate: -65.779167

North Bounding Coordinate: 61.463249

South Bounding Coordinate: 17.885115

Keywords

  Theme

    Theme Keyword Thesaurus: None

    Theme Keyword: area

    Theme Keyword: background

    Theme Keyword: polygon

    Theme Keyword: boundary

    Theme Keyword: urban area

  Place

    Place Keyword Thesaurus: None

    Place Keyword: United States

    Place Keyword: Puerto Rico

    Place Keyword: District of Columbia

Access Constraints: None

Use Constraints: None.   Acknowledgment of the Bureau of Transportation Statistics National
Transportation Atlas Database would be appreciated in products derived from these data.

Point of Contact

  Contact Person Primary

    Contact Organization: Bureau of Transportation Statistics

    Contact Address

      Address Type: mailing and physical address

      Address: 400 Seventh St., SW

      City: Washington D.C.

      State or Province: District of Columbia

      Postal Code: 20590

      Country: United States of America

    Contact Voice Telephone: 1 202 366 DATA

    Contact Facsimile Telephone: 1 202 366 3640

    Contact Electronic Mail Address: ntad@bts.gov

Data Set Credit: The Bureau of the Census Urbanized Area Boundaries files were acquired from the US Bureau of the Census.

DATA QUALITY INFORMATION

Attribute Accuracy

  Attribute Accuracy Report: Attributes were supplied by the Bureau of the Census.

  Logical Consistency Report: All node-link and polygon topological relationships are created and verified using computer algorithms.

  Completeness Report: 405 distinct Urbanized Areas are identified database.

Positional Accuracy

  Horizontal Positional Accuracy

    Horizontal Positional Accuracy Report: The Bureau of the Census Urbanized Area database was derived from the TIGER data base.   It was created from data created at a scale of 1:100,000 or better and as such has a positional accuracy of +/- 80m.

Lineage

  Source Information

    Source Citation

      Originator: US Bureau of the Census

      Publication Date: 1992

      Title: Urbanized areas

      Geospatial Data Presentation Form: map

      Publication Information

        Publication Place: Washington, DC

        Publisher: Bureau of the Census

      Source Scale Denominator: 100,000

      Type of Source Media: online

      Source Time Period of Content

        Single Date/Time

          Calendar Date: 1992

      Source Currentness Reference: publication date

SPATIAL DATA ORGANIZATION INFORMATION

Direct Spatial Reference Method: Vector

  Point and Vector Object Information

SDTS Terms Description
   SDTS Point and Vector Object Type: GT-Polygon composed of chains
      Point and Vector Object Count: 934 polygons
   SDTS Point and Vector Object Type: Area chain
      Point and Vector Object Count: 1317 chains

SPATIAL REFERENCE INFORMATION

Horizontal Coordinate System Definition
   Geographic
      Latitude Resolution: 0.000464
      Longitude Resolution: 0.000464
      Geographic Coordinate Units: Decimal degrees
   Geodetic Model
      Horizontal Datum Name: North American Datum of 1983
      Ellipsoid Name: GRS 1980

ENTITY AND ATTRIBUTE INFORMATION

Overview Description
   Entity and Attribute Overview:
      Entity and Attribute Detail Citation:

Detailed_Description:
   Entity_Type:
      Entity_Type_label: BOC_UZA.ARE
      Entity_Type_Definition: Polygon Attribute Table
      Entity_Type_Definition_Source:

Field Number	Field Name	Field Width	Beg Pos	End Pos	Field Type	Field Description
1	RECTYPE	1	1	1	C	Record Type: Always 'A'
2	VERSION	2	2	3	C	File Version Number
3	REVISION	2	4	5	C	Record revision number
4	MODDATE	8	6	13	I	Record modification date

5   POLYID   10 14 23   I   Unique identification for each polygon

6   FEATURID 10 24 33   C   Unique identification for the geographic entity (the Urbanized Area Code)

7   CNTRLONG 10 34 43   I   Centroid longitude value for the polygon

8   CNTRLAT   10 44 54   I   Centroid latitude value for the polygon

9   DESCRIPT 35 55 88   C   Name/identification for the geographic entity (Urbanized Area Name)

10   STFIPS   2 89 90   C   State FIPS Code

Attribute:
  Attribute_Label: RECTYPE
  Attribute_Definition: One character which defines the type of file from a data set.
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: character
    Enumerated_Domain:
      Enumerated_Domain_Value: A
Attribute:
  Attribute_Label: VERSION
  Attribute_Definition: File version number
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: REVISION
  Attribute_Definition: Record revision number
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: MODDATE
  Attribute_Definition: Record Modification Date
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: POLYID
  Attribute_Definition: Unique identifier for each polygon
  Attribute_Definition_Source: Assigned
  Attribute_Domain_Values: Positive integer
Attribute:
  Attribute_Label: FEATURID

Attribute_Definition: Unique identifier for the geographic Entity - the Urbanized Area Code

Attribute_Definition_Source: BOC

Attribute_Domain_Values: character

Attribute:

Attribute_Label: CNTRLONG

Attribute_Definition: Centroid longitude value for the polygon expressed as a signed integer with six implied decimal places

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: CNTRLAT

Attribute_Definition: Centroid latitude value for the polygon expressed as a signed integer with six implied decimal places

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: DESCRIPT

Attribute_Definition: Name/identification of the Urbanized Area

Attribute_Definition_Source: BOC

Attribute_Domain_Values: character

Attribute:

Attribute_Label: STFIPS

Attribute_Definition: State FIPS Code

Attribute_Definition_Source: FIPS Pub 6-4

Attribute_Domain_Values: character

Codeset Domain:

Codeset Name: Federal Information Processing Standard

Detailed_Description:

Entity_Type:

Entity_Type_label: BOC_UZA.GEO

Entity_Type_Definition: Line Attribute Table

Entity_Type_Definition_Source:

Field Number	Field Name	Field Length	Beg Pos	End Pos	Field Type	Field Description
1	RECTYPE	1	1	1	C	Record Type: always 'G'
2	VERSION	2	2	3	C	File version number

3   REVISION   2   4   5   C   Record revision number

4   MODDATE   8   6   13   I   Record modification date

5   LINKID   10   14   23   I   Unique sequential line identification

6   POLYIDL   10   24   33   I   The polygon identification number (POLYID) for the left line side

7   POLYIDR   10   34   43   I   The polygon identification number (POLYID) for the right line side

8   NPOINT   3   44   46   I   Number of coordinate pairs that make up the line - the coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimal places

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set.

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: character

    Enumerated_Domain:

      Enumerated_Domain_Value: G

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: LINKID

  Attribute_Definition: Sequential Unique Identification for each line

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: POLYIDL

Attribute_Definition: The polygon identification number (POLYID) from the area (.are) file for the left line side record

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: POLYIDR

Attribute_Definition: The polygon identification number (POLYID) from the area (.are) file for the right line side record

Attribute_Definition_Source: Assigned

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: NPOINT

Attribute_Definition: Number of coordinate pairs that make up the line - the coordinate pairs then follow - up to four coordinate pairs per line, field length ten each per longitude and latitude with six implied decimals places

Attribute_Definition_Source: calculated

Attribute_Domain_Values: Positive integer

Attribute:

Attribute_Label: LONGITUD

Attribute_Definition: The longitude of the node or shape point expressed as a signed integer with six implied decimal places.

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Attribute:

Attribute_Label: LATITUDE

Attribute_Definition: The latitude of the node or shape point expressed as a signed integer with six implied decimal places.

Attribute_Definition_Source:

Attribute_Domain_Values: integer

Detailed_Description:

  Entity_Type:

    Entity_Type_label: BOC_UZA.T01

                    BOC_UZA.DBF

    Entity_Type_Definition: Polygon Attribute Table

    Entity_Type_Definition_Source: Bureau of the Census (BOC)

Field   Field   Field Beg End Field Field

Number	Name	Width	Pos	Pos	Type	Description
1	RECTYPE	1	1	1	C	Record Type: Always 'T'
2	VERSION	2	2	3	C	File Version Number
3	REVISION	2	4	5	C	Record revision number
4	MODDATE	8	6	13	I	Record modification date
5	FEATURID	10	14	23	C	Unique identification for the geographic entity (urbanized area)
6	NAME	60	24	83	C	A descriptive name for the polygon feature

Attribute:

  Attribute_Label: RECTYPE

  Attribute_Definition: One character which defines the type of file from a data set.

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: character

    Enumerated_Domain:

      Enumerated_Domain_Value: T

Attribute:

  Attribute_Label: VERSION

  Attribute_Definition: File version number

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: REVISION

  Attribute_Definition: Record revision number

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: MODDATE

  Attribute_Definition: Record Modification Date

  Attribute_Definition_Source: Assigned

  Attribute_Domain_Values: Positive integer

Attribute:

  Attribute_Label: FEATURID

  Attribute_Definition: Unique identification for the geographic entity (the Census assigned urbanized area code)

  Attribute_Definition_Source: BOC

  Attribute_Domain_Values: character

Attribute:

Attribute_Label: NAME

Attribute_Definition: A descriptive name for the geographic entity - the Urbanized Area Name

Attribute_Definition_Source: BOC

Attribute_Domain_Values: Characters, capital letters, some imbedded blanks

DISTRIBUTION INFORMATION

Distributor
  Contact Organization Primary
    Contact Organization: BTS Product Distribution Center
  Contact Address
    Address Type: mailing and physical address
    Address: 400 Seventh Street, SW
    City: Washington
    State or Province: District of Columbia
    Postal Code: 20590
  Contact Voice Telephone: 1 202 366 DATA
  Contact Facsimile Telephone: 1 202 366 3640
  Contact Electronic Mail Address: orders@bts.gov

Resource Description: National Transportation Atlas
    Databases 1997

Distribution Liability: None

Standard Order Process
  Digital Form
    Digital Transfer Information
      Format Name: The BTS standard format for spatial data is an interim format for distributing National Transportation Atlas Databases pending final approval of an SDTS Transportation Network Profile (TNP).   The BTS standard format consists of a linked set of ASCII fixed record length files.   File formats and data dictionary for the BTS standard format are described in the document,   National Transportation Atlas Data Dictionary and Database Formats', September 1995.   Copies of this documentation are distributed with each National Transportation Atlas Database.

      File Decompression Technique: No compression applied.

        However, if using digital transfer online option, note access instructions.

Transfer Size: 2.3 megabytes

Digital Transfer Option
Online Option
Computer Contact Information
Network Address
Network Resource Name:
http://www.bts.gov/gis/ntatlas/background.html

Access Instructions: Anyone with access to the Internet World Wide Web may connect to the BTS server.   To access a specific database, go to the address listed above in the Network Resource Name.   The BTS server allows visitors to create a downloadable package in any of three common archive formats: .zip - an MS-DOS zip archive; .tgz - a gzip-ed unix tar archive; and .tar - a unix tar archive.   This archived package is placed in a temporary file which can then be copied off the BTS server to the visitor's home directory.

Online Computer and Operating System: Sun Ultra running Solaris 2.5.1 operating system.

Offline Option
Offline Media: CD-ROM
Recording Capacity
Recording Density: 650
Recording Density Units: megabytes
Recording Format: ISO 9660
Compatibility Information: CD-ROM is available in either MS-DOS or UNIX compatible record formats.

Fees: none

Ordering Instructions: Call, mail, fax, or E-mail BTS and request the National Transportation Atlas Databases 1997 CD-ROM.   This and other BTS products may also be ordered from the BTS Internet site

(http://www.bts.gov/btsprod/order.html).

Metadata Reference Option

Metadata Date: 199702

Metadata Review Date: 199705

Metadata Contact:

Contact Organization Primary

Contact Organization: Bureau of Transportation Statistics

Contact Address

Address Type: mailing address

Address: 400 Seventh Street, SW

City: Washington

State or Province: DC

Postal Code: 20590

Contact Voice Telephone: 1 202 366 DATA

Contact Facsimile Telephone: 1 202 366 3640

Contact Electronic Mail Address: ntad@bts.gov

Metadata Standard Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata Standard Version: 19940608

Useful display scales

The statements on useful display scale are rough guidelines for the largest (zoomed in) and smallest (zoomed out) scales at which data sources are most useful. The factors that most affect useful display scale are level of cartographic generalization, feature density, and positional accuracy of the data. Other factors, such as background color, symbol shape and size, combination with other themes, window size, and monitor resolution all influence the scale range.

The useful display scales we suggest are based on viewing the data under the following conditions:

1. A 13-inch color RGB monitor with 640 x 480 pixels

2. A view window size of 4.5 inches high by 6 inches wide

3. All of the features in the data source are displayed

4. The maximum scale value for point data was determined by displaying line or area data for features closely associated with the point data. For example, Average Daily Traffic Volume Points were displayed with highways.

5. The following map projections were used:

　　For world data sources

　　　　World:　Robinson

　　　　Polar:　Lambert Azimuthal equal area

　　For North America data sources

　　　　Albers Equal-Area (North America)

World sub Country Administrative Units 1998

Technical description

GeoDataset name: Admin98

World sub Country Administrative Units represent 2604 first level administrative units such as states and provinces.
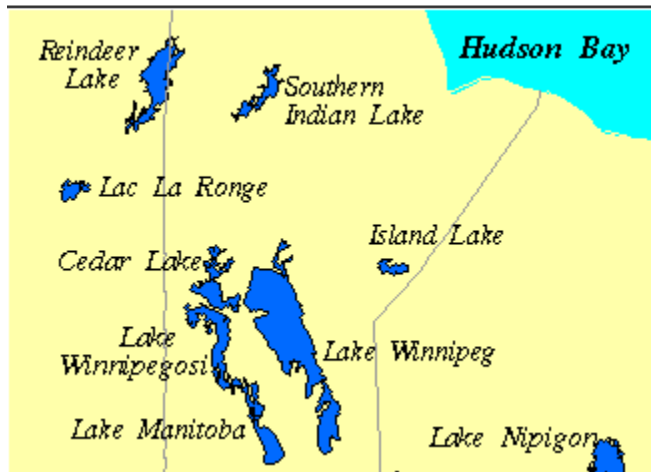
 Admin98 -- World Administrative Units 1998

2,604 polygons, 14 descriptive fields. Defines world sub country administrative units as of 1998.

Fields:

Fips_admin -- The two-letter, two-number FIPS code for a first-level administrative unit from the   United States Federal Information Processing Standards (FIPS) coding scheme.
Example: The code for the state of Chiapas, Mexico, is MX05, where MX is Mexico and 05 is the number assigned to Chiapas.   For countries without administrative units, this field contains only the two-letter country code. (String)

Gmi_admin -- The three -letter country code combined with a three-letter code for a first-level administrative unit created by Global Mapping International. (String)

Admin_Name -- The name of a first-level administrative unit.   Example: Hawaii. (String)

Fips_cntry -- The two-letter country code from the United States Federal Information Processing Standards (FIPS) coding scheme.   Example: KS for the Republic of Korea. (String)

Gmi_cntry -- The three -letter country code from Global Mapping International.   Example: The code for the United Kingdom is GBR. (String)

Cntry_Name -- The country name.   These names are shortened and not necessarily official. Example: Turkey (the official name is Republic of Turkey) (String)

Region -- The name of the world region.   The data is grouped into 25 commonly recognized world regions.   These provide an easy means of selecting a small multi-country area for display or study.   Example: Eastern Africa. (String)

Continent -- The continent name.   Example: South America. (String)

Pop_admin -- The population of a first level administrative unit.   (Source: NCGIA.   The Global Demography Project.   Currency: 1994 estimated population.)   This field contains -99999 for countries for which population figures were unavailable. (Number)

Sqkm_admin -- The total area of a first level administrative unit in square kilometers (excluding maritime areas). (Number)

Sqmi_admin -- The total area of a first level administrative unit in square miles (excluding maritime areas). (Number)

Type_eng -- The English name for the type of administrative unit.   Examples: State, Province, Prefecture. (String)

Type_loc -- The local name for the type of administrative unit.   Examples: Estado, Bundesland. (String)

Color_map -- Numbers (1 - 8) allows the country to be shaded unique from its neighbors.

World sub Country Administrative Units 1998 - Technical Description

GeoDataset name: Admin98

Shapefile name: Admin98.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Admin98 is an ESRI shapefile with polygon features.

GeoDataset lineage: The sub Country Administrative Units 1998 GeoDataset represents a small-scale political map of the world. The data are generalized and were designed for display at scales to about 1:10,000,000.   The data were generalized from ESRI's ArcWorld Supplement Map data. Country codes are from U.S. Federal Information Processing Standards (FIPS) version 10-4.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

When displaying the entire world:

   Largest scale: 1:5,000,000

   Smallest scale: 1: 25,000,000

The generalization of the coastline is important in determining the largest useful display scale for World Administrative Unit data.

World Wildlife Fund Ecoregions

Technical description

GeoDataset name: WWF_Eco

World Wildlife Fund Ecoregions represent 24,944 defined global ecoregions. Ecoregions are defined as relatively large areas of land or water that share a large majority of their species, dynamics, and environmental conditions.
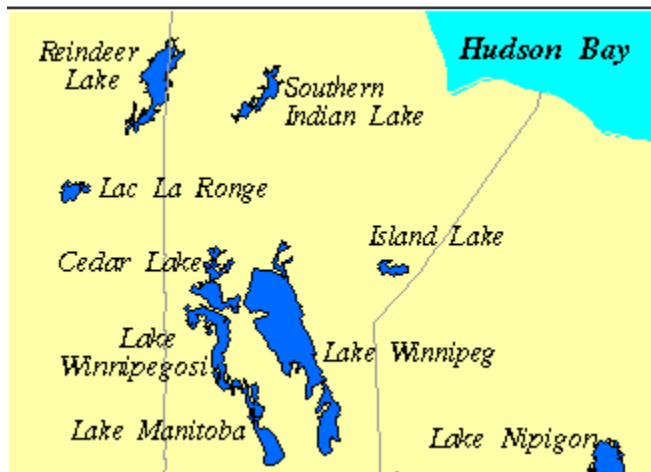
 WWF_Eco -- World Wildlife Fund Ecoregions

24,944 polygons, 5 descriptive fields. Defines the World Wildlife Fund Ecoregions.

Fields:

Ecoregion -- The ecoregion name. They are defined as relatively large areas of land or water that share a large majority of their species, dynamics, and environmental conditions. There are nearly 900 ecoregions for the world. (String)

Mht_name -- The major habitat for the area. There are 16 major habitats for the world. (String)

Bdi -- The biological distinctiveness index. It is based on the species richness, endemism, rareness, etc. (Number)

    1 = Globally Outstanding
    2 = Regionally Outstanding
    3 = Bioregionally Outstanding
    4 = Locally Important
    0 = Not Assessed or Unknown

Threat -- The degree of threat to the ecoregion. Such threats are from logging, conversion to agriculture/urbanization, etc. (Number)

    1 = Critical
    2 = Endangered
    3 = Vulnerable
    4 = Relatively Stable
    5 = Relatively Intact
    0 = Not Assessed or Unknown

Final -- The final assessment of the ecoregion as the estimated threat to the ecoregion over the next 20 years. (Number)

    1 = Critical
    2 = Endangered

3 = Vulnerable
4 = Relatively Stable
5 = Relatively Intact
0 = Not Assessed or Unknown

World Wildlife Fund Ecoregions - Technical Description

GeoDataset name: WWF_Eco

Shapefile name: wwf_eco.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: WWF_Eco is an ESRI shapefile with polygon features.

GeoDataset lineage: This geodataset is from the World Wildlife Fund using ESRI's Digital Chart of the World for the basemap.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

Suggested display scales are as follows:

    For the entire world: 1:200,000,000

    For individual continents: 1:100,000,000

    For regions of the world: 1:50,000,000

    Largest scale: 1:5,000,000

World Cities

Technical description

GeoDataset name: Cities

World Cities contains locations of major cities around the world. The cities include national capitals for each of the countries in World Countries 1998 as well as major population centers and landmark cities.

 Cities -- World Cities

606 points, 4 descriptive fields. Describes major world cities.
Snapshot
Fields:
Name -- The city name. Spellings are based on Board of Geographic Names standards and commercial atlases. (String)
Country -- An abbreviated country name. (String)

Population -- Total population for the entire metropolitan area. Values are from recent census or estimates. Attributes of -99 are null values (data not available). (Number)

Capital -- Indicates whether a city is a national capital (Y/N). (String)

World Cities - Technical Description

GeoDataset name: Cities

Shapefile name: Cities.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Cities is an ESRI shapefile with point features.

GeoDataset lineage: World Cities was derived from ESRI's ArcWorld database and supplemented with other data from the Rand McNally New International Atlas (see Bibliography).

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

Suggested display scales are as follows:

    For the entire world: 1:200,000,000

    For individual continents: 1:100,000,000

    For regions of the world: 1:50,000,000

The density of city points is important in determining the largest and smallest useful display scales.

World Countries 1992

GeoDataset names: Cntry92

World Countries represent countries at different point in time. World Countries 1992 (Cntry92) represents 147 countries and shows the Soviet Union, Yugoslavia, and Czechoslovakia as single nations.

 Cntry92 -- World Countries 1992

147 regions, 5 descriptive fields. Defines world countries as of 1992.
Snapshot
Associated table: World Demographics
Associated table: World Political Organization Membership
Fields:

Area -- The total area in square miles. (Number)

Name -- The country name.

Example: Korea, Republic of. (String)

Abbrevname -- An abbreviated country name.

Example: Korea Rep. (String)

Fips_code -- The two-letter FIPS country code.

Example: KS for the Republic of Korea. (String)

Wb_cntry -- The three-letter country code used by the World Bank, if any.

Example: KOR for the Republic of Korea. (String)

World Countries 1992 - Technical Description

GeoDataset names: Cntry92

Shapefile names: Cntry92.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Cntry92 is an ESRI shapefile with polygon features.

GeoDataset lineage: The Country GeoDatasets represent a very small-scale political map of the world. The data are extremely generalized and were designed for rapid display. Small countries such as island republics may not be included. The data were derived from ESRI's ArcWorld Browse Map data. Country codes are from U.S. Federal Information Processing Standards (FIPS) version 10-4.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

When displaying the entire world:

   Largest scale: 1:10,000,000

   Smallest scale: 1:225,000,000

Suggested display scales for individual continents:

   Africa, Asia, North America, South America: 1:75,000,000

   Antarctica, Australia, Europe: 1:50,000,000

Suggested display scales for regions of the world:

   The Caribbean: 1:30,000,000

   Middle East: 1:40,000,000

   Indonesia, the Arctic: 1:50,000,000

The generalization of the coastline is important in determining the largest useful display scale for World Countries data.

World Countries 1998

GeoDataset names: Cntry98/Country

World Countries represent 251 countries including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea. Country is generalized to improve draw performance and be used effectively at a global level.   Cntry98 is detailed to be used effectively at national levels.
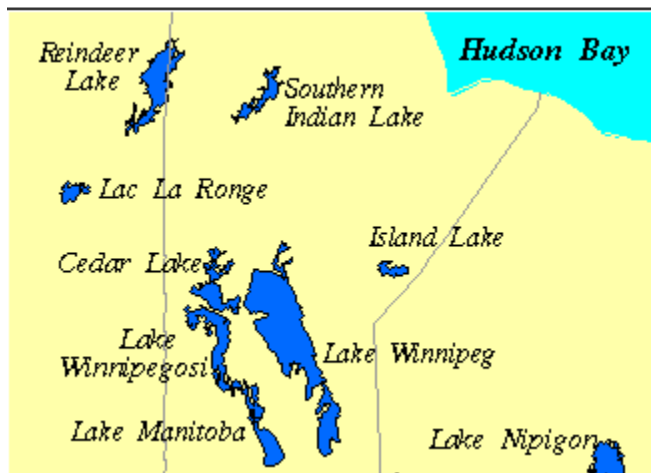
 Cntry98/Country -- World Countries 1998
251 polygons, 13 descriptive fields (Cntry98), 11 descriptive fields (Country). Defines world countries as of 1998.
Associated table: World Demographics

Associated table: World Political Organization Membership

Fields:

Fips_cntry -- The two-letter country code from the United States Federal Information Processing Standards (FIPS) coding scheme.   Example: KS for the Republic of Korea. (String)

Gmi_cntry -- The three -letter country code from Global Mapping International.   Example: The code for the United Kingdom is GBR. (String)

Iso_2digit -- The two -letter country code from the International Standards Organization. Example: The code for the United Kingdom is GB. **(Cntry98 only)** (String)

Iso_3digit -- The three -letter country code from the International Standards Organization. Example: The code for the United Kingdom is GBR. **(Cntry98 only)** (String)

Cntry_name -- The country name.   These names are shortened and not necessarily official. Example: Turkey (the official name is Republic of Turkey) (String)

The following fields indicate a country's membership in international organizations.   The codes are as follows:

   Y = Yes, a country is a member of the organization

   N = No, a country is not a member of the organization

Sovereign -- Name of the country having sovereignty. (String)

Pop_cntry -- The population of a country.   (Source: NCGIA.   Currency: 1994 estimated population.)   This field contains -99999 for countries for which population figures were unavailable. (Number)

Sqkm_cntry -- The total area of a country in square kilometers (excluding maritime areas). (Number)

Sqmi_cntry -- The total area of a country in square miles (excluding maritime areas). (Number)

Curr_type -- The type of currency in use in the country. (String)

Curr_code -- The three letter abbreviation for the country's currency. (String)

Landlocked -- Countries without access to the sea. (String)

Color_map -- Numbers (1 - 8) allows the country to be shaded unique from its neighbors.

World Countries 1998 - Technical Description

GeoDataset name: Cntry98/Country

Shapefile name: Cntry98.shp, Country.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Cntry98/Country are ESRI shapefiles with polygon features.

GeoDataset lineage: The Cntry98 GeoDataset represents a small-scale political map of the world. The data are generalized and designed for display at scales to about 1:10,000,000. The Country GeoDataset is generalized and designed for display at scales to about 1:100,000,000.   Both GeoDatasets were generalized from ESRI's ArcWorld Supplement Map data. Country codes are from U.S. Federal Information Processing Standards (FIPS) version 10-4.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

When displaying the entire world (depending on GeoDataset):

   Largest scale: 1:5,000,000

   Smallest scale: 1: 100,000,000

The generalization of the coastline is important in determining the largest useful display scale for World Countries data.

World Demographics

GeoDataset name: Demog.dbf

World Demographics is a table with 28 country attributes on population, vital statistics, and the economy.   This single table includes attributes for 1998 (both scales) and 1992 world countries.   To display World Demographics attributes on a map, join the World Demographics table to the World Countries 1998 or World Countries 1992 table using Fips_code or Abbrevname as the common field.

Table:
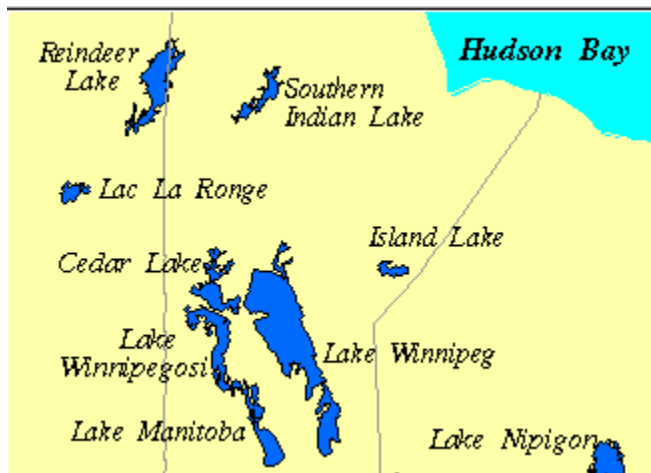
 Demog.dbf -- World Demographics
168 records, 28 descriptive fields. Population and other census information by country.

Field categories:

Country codes and names

Population and population growth

Vital statistics

Economy

World Demographics - Technical Description

Table name: Demog.dbf

Path: ESRI Data & Maps 1 (CD) \world\tables

Table type: Demog.dbf is a dBASE file that can be joined to the World Countries 1998 or World Countries 1992 table using Abbrevname or Fips_code as the common field.

Table lineage: Most attributes in World Demographics are based on World Bank data. Data for countries formed after 1992 are from several geographic reference materials (see Bibliography). Population density, population doubling time,   and projected population for the year 2000 were calculated by ESRI. FIPS country codes are from the United States Federal Information Processing Standards, version 10-4.

World Gazetteer

<u>Technical description</u>

GeoDataset name: Gazetteer

World Gazetteer contains proper names for map features around the world. The gazetteer includes attribute and annotation name information from various layers of the Digital Chart of the World.   The original source of the names is the United States Defense Mapping Agency (DMA) - now called National Imagery and Mapping Agency (NIMA) - Operational Navigation Charts(ONC) at 1:1,000,000 scale.   This layer may be used to find locations by their proper name anywhere around the world.
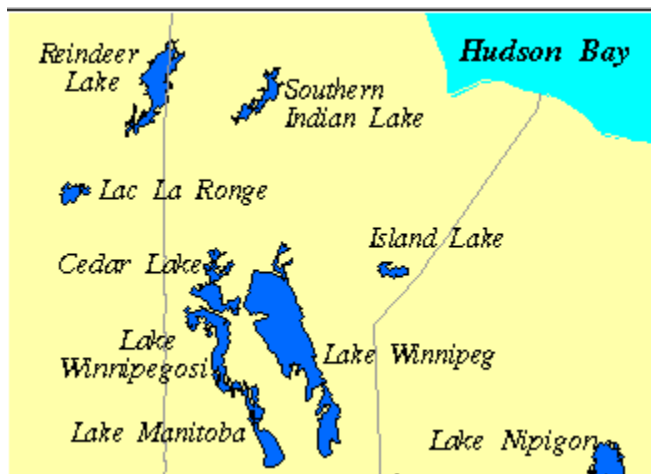
 Gazetteer -- World Gazetteer

156,638 points, 2 descriptive fields. Describes proper names for map features.
Fields:
Text -- The name. Spellings are based on Names as they appeared on the ONC. (String)
Type -- This item contains the type of feature to which the name pertains.   A legend file is included with this data which has the following values: administrative name, airport, country name, cultural landmark, desert name, drainage feature, island name, land place name, mountain name, ocean name, and populated place. (String)

World Gazetteer - Technical Description

GeoDataset name: Gazetteer

Shapefile name: Gaz.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Gazetteer is an ESRI shapefile with point features.

GeoDataset lineage: World Gazetteer was developed to support the Place Name Index query for the Digital Chart of the World.   These proper names derived from annotation do not correspond with the true location of the feature because the latitude and longitude coordinate values were derived from the annotation location rather than the map feature itself.   For example, the location for the text identifying the island Sicily was in the Mediterranean sea on the ONC source material.   Locations taken from annotation are based on the lower left corner of the first letter.   Also, the names associated with fuzzy polygons may occur anywhere in the general area of the feature.   For example, the name 'Rocky Mountains' is a point located somewhere in the general area covered by the term Rocky Mountains.   Fuzzy polygon names which appeared on more than one ONC sheet will occur more than once.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

Suggested display scales are as follows:

For the entire world: 1:200,000,000

For individual continents: 1:100,000,000

For regions of the world: 1:50,000,000

The density of gazetteer points is important in determining the largest and smallest useful display scales.

World Lakes and Rivers

Technical description

GeoDataset name: Lakes and Rivers

World Lakes and Rivers contains major lakes, drainage systems, and rivers of the world, as well as shorelines. Displaying the World Lakes and Rivers is the easiest way to see all the water features and their names.

Lakes --   World Lakes
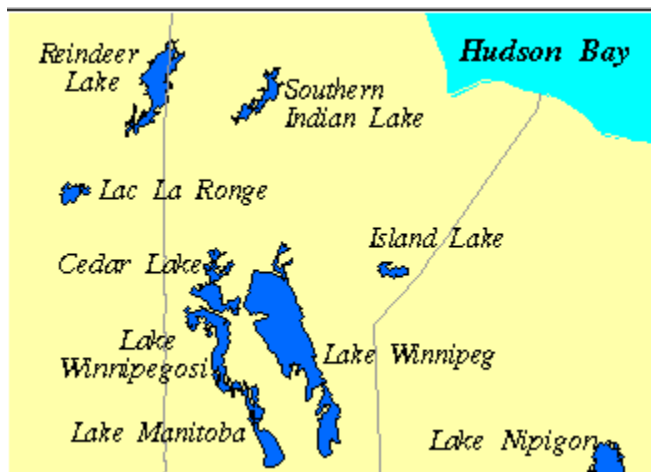33 regions, 4 descriptive fields. Defines major world lakes and reservoirs by name.
Snapshot
Fields:
Area -- The lake area in square miles. (Number)
Name -- The lake name. (String)

Surf_elev -- Surface elevation in feet. (Number)

Depth -- Approximate maximum depth in feet. (Number)

Drainage -- World Drainage Systems
9 routes, 4 descriptive fields. Defines major world drainage systems.
Snapshot
Fields:

System -- The drainage system name, based on the name of the river at the mouth of the system (only for selected drainage systems). (String)
Basin_area -- The drainage basin area in square miles. (Number)
Discharge -- Annual discharge volume in cubic miles. (Number)

Sed_load -- Annual sediment load in tons. (Number)
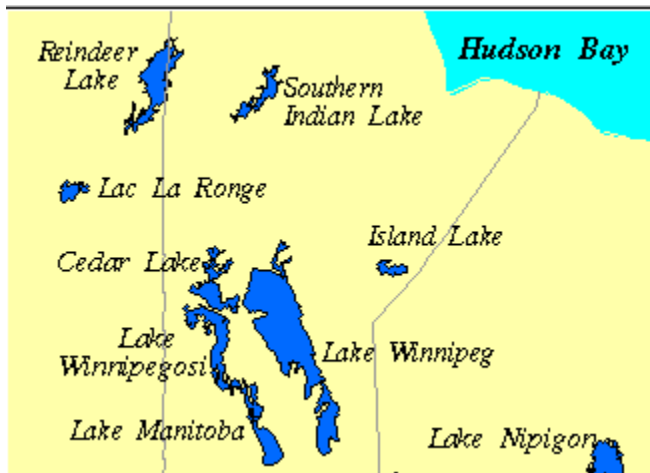
Rivers -- World Rivers
98 routes, 2 descriptive fields. Defines world rivers by name.
Snapshot
Fields:
Name -- The river name. (String)
System -- The drainage system name (only for selected drainage systems). (String)

World Lakes and Rivers - Technical Description

GeoDataset names: Lakes, Rivers, and Drainage

Shapefile names: Lakes.shp, Rivers.shp, and Drainage.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Lakes, Rivers and Drainage are ESRI shapefiles. Lakes has polygon features; Rivers and Drainage have line features.

GeoDataset lineage: The World Lakes, Rivers, and Drainage GeoDatasets were generalized from ESRI's ArcWorld 1:3,000,000 and 1:25,000,000 databases. Names of lakes, rivers, and drainage systems were added from the Rand McNally New International Atlas, the Times Atlas of the World, and the Digital Chart of the World. Basin area, discharge, and sediment load attributes are from the World Resources Institute. (See Bibliography.)

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: World Geodetic System of 1984 datum.

Coordinate precision: Double.

Useful display scales:

When displaying water features without other features:

    Largest scale: 1:25,000,000

    Smallest scale: 1:250,000,000

When displaying water features in combination with other features (such as world countries):

    Largest scale: 1:25,000,000

    Smallest scale: 1:175,000,000

The background colors selected are an important factor in determining the smallest display scales for Rivers and Lakes data. The generalization of the data does not support zooming in to individual water features.

World Latitude and Longitude Grids

GeoDataset name: Latlong

World Latitude and Longitude Grids contains a 5-degree by 5-degree grid and fields that allow you to display grids at intervals of 5, 10, 15, 20, and 30 degrees. To display a grid with a 5 degree interval, simply display all of the lines. To display a coarser grid, for example, a 15 degree interval, define the theme properties as lines with Degree15 equal to Y.

Latlong --   World Latitude and Longitude Grids
5,292 arcs, 5 descriptive fields. Defines a 5-degree by 5-degree graticule.
Snapshot

Fields:

Value -- The degree value and the latitude or longitude directional reference of the grid line.

Examples: 45W, 75S. (String)

Degree10 -- Indicates whether a grid line is part of the 10 by 10 degree grid (Y/N). (String)

Degree15 -- Indicates whether a grid line is part of the 15 by 15 degree grid (Y/N). (String)

Degree20 -- Indicates whether a grid line is part of the 20 by 20 degree grid (Y/N). (String)

Degree30 -- Indicates whether a grid line is part of the 30 by 30 degree grid (Y/N). (String)

World Latitude and Longitude Grids - Technical Description

GeoDataset name: Latlong

Shapefile name: Latlong.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Latlong is an ESRI shapefile with line features.

GeoDataset lineage: The World Latitude and Longitude Grid data set was mathematically generated by ESRI using ARC/INFO software and then converted to an ESRI shapefile.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: This GeoDataset was mathematically generated. You can define or use it unchanged with data based on any datum.

Coordinate precision: Double.

Useful display scales:

5 by 5 degree grid

    Largest scale: 1:25,000,000

    Smallest scale: 1:10,000,000

10 by 10 degree grid

    Largest scale: 1:25,000,000

    Smallest scale: 1:75,000,000

15 by 15 degree grid

    Largest scale: 1:50,000,000

    Smallest scale: 1:100,000,000

20 by 20 degree grid

    Largest scale: 1:75,000,000

    Smallest scale: 1:200,000,000

30 by 30 degree grid

    Largest scale: 1:100,000,000

    Smallest scale: 1:200,000,000

When selecting an appropriate grid interval for displays of high latitude regions (polar regions) the convergence of the meridians must be considered. One suggestion is to use a 15-degree interval for longitudes (meridians) and a 5-degree interval for latitudes. A scale of 1: 50,000,000 is a useful one in the polar regions.

World Map Background

GeoDataset name: World30

The World Map Background data source can be used for displaying a shaded background on which other data can be displayed. For example, use the World Map Background to quickly display a blue ocean theme behind other land-based themes such as World Countries.

 Polygon -- World Map Background

72 polygons, 0 descriptive fields. Defines a 30-degree graticule.

World Map Background - Technical Description

GeoDataset name: World30

Shapefile name: World30.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: World30 is an ESRI shapefile with polygon features.

GeoDataset lineage: The World Map Background was mathematically generated by ESRI using ARC/INFO software and then converted to an ESRI shapefile.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: This GeoDataset was mathematically generated. You can define or use it unchanged with data based on any datum.

Coordinate precision: Double.

Useful display scales:

    Largest scale: 1:10,000,000

    Smallest scale: 1:225,000,000

World Named Latitudes and Longitudes

GeoDataset name: Geogrid

World Named Latitudes and Longitudes contains geographically significant lines of reference such as the equator, tropics, Arctic and Antarctic circles, prime meridian, and international date line. It also contains their names and values as attributes.
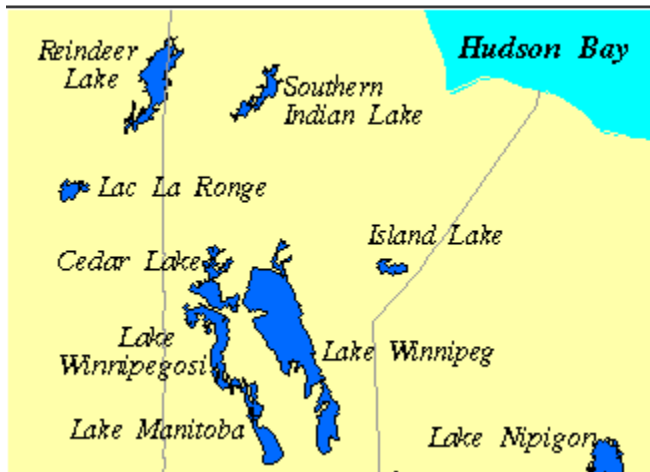
Geogrid -- World Named Latitudes and Longitudes

54 lines, 2 descriptive fields. Defines named latitudes and longitudes.

Fields:

Name -- The name of the latitude or longitude line. (String)

Value -- The degree value and direction of the grid line.

    Example: 23.5S (String)

World Named Latitudes and Longitudes - Technical Description

GeoDataset name: Geogrid

Shapefile name: Geogrid.shp

Path: ESRI Data & Maps 1 (CD) \world

GeoDataset type: Geogrid is an ESRI shapefile with line features.

GeoDataset lineage: The World Named Latitudes and Longitudes data were mathematically generated by ESRI using ARC/INFO software and then converted to an ESRI shapefile.

Coordinate system: Latitude/Longitude in decimal degrees.

Datum Name: This GeoDataset was mathematically generated. You can define or use it unchanged with data based on any datum.

Coordinate precision: Double.

Useful display scales:

   Largest scale: 1:10,000,000

   Smallest scale: 1:225,000,000

Usage notes: Because the international date line only partially coincides with the 180-degree meridian, some 180-degree meridian segments have no name and some international date line segments have no value.

World Political Organization Membership

Table name: Pol_org.dbf

World Political Organization Membership is a table with 14 attributes on membership of countries in world political organizations such as the Untied Nations and the Food and Agriculture Organization (FAO). To display World Political Organization Membership attributes on a map, join this table to the World Countries 1998 or World Countries 1992 table using Fips_code or Abbrevname as the common field.

Table:

Pol_org.dbf --   World Political Organization Membership
168 records, 14 descriptive fields. Country membership in world political organizations.

Fields:

Fips_code -- The two-letter country code specified by the United States Federal Information Processing Standards, version 10-4.

Example: MX for Mexico. (String)

Abbrevname -- An abbreviated country name.

Example: Korea Rep for Republic of Korea. (String)

Region -- The region of the world in which a country is located.

Example: Eastern Asia. (String)

Continent -- The continent on which a country is located.

Example: Africa. (String)

Capital --   The name of a country's capital city. (String)

Fao -- Indicates whether a country is a member of the Food and Agriculture Organization (Y/N). (String)

Ga_memb_yr -- The year a country joined the United Nations General Assembly, or 0 if the country is not a member. (Number)

Iaea -- Indicates whether a country is a member of the International Atomic Energy Agency (Y/N). (String)

Ibrd -- Indicates whether a country is a member of the International Bank for Reconstruction and Development (Y/N). (String)

Imf -- Indicates whether a country is a member of the International Monetary Fund (Y/N). (String)

Opec -- Indicates whether a country is a member of the Organization of Petroleum Exporting Countries (Y/N). (String)

Unesco -- Indicates whether a country is a member of the Education, Scientific, and Cultural Organization (Y/N).(String)

Who -- Indicates whether a country is a member of the World Health Organization (Y/N). (String)

Wmo -- Indicates whether a country is a member of the World Meteorological Organization (Y/N). (String)

World Political Organization Membership - Technical Description

Table name: Pol_org.dbf

Path: ESRI Data & Maps 1 (CD) \world\tables

Table type: Pol_org.dbf is a dBASE file that can be joined to the World Countries 1998 or World Countries 1992 table using Abbrevname or Fips_code as the common field.

Table lineage: Attributes on membership in world political organizations are from the U.S. Central Intelligence Agency publication, The World Factbook. The other attributes (continent, region, etc.) are from ESRI's ArcWorld database. Data for countries formed after 1992 are from a variety of geographic reference materials (see Bibliography).

World WorldSat Color Shaded Relief Image

GeoDataset name: Color shaded relief image

This cloud-free view of the Earth was produced by mosaicking hundreds of individual 1996 NOAA weather satellite images together. These satellites orbit the Earth at an altitude of 800 km (520 miles). The image is in a Miller Cylindrical projection with a cellsize of 4 kilometers (at the equator).

On completion of the base satellite mosaic, the land areas were enhanced with shaded relief imagery, derived from 1,000 meter digital elevation data, bringing the Earth's topography to life. For the Ocean areas, WorldSat incorporated ocean floor relief data (bathymetry), providing a view of the undersea topography.
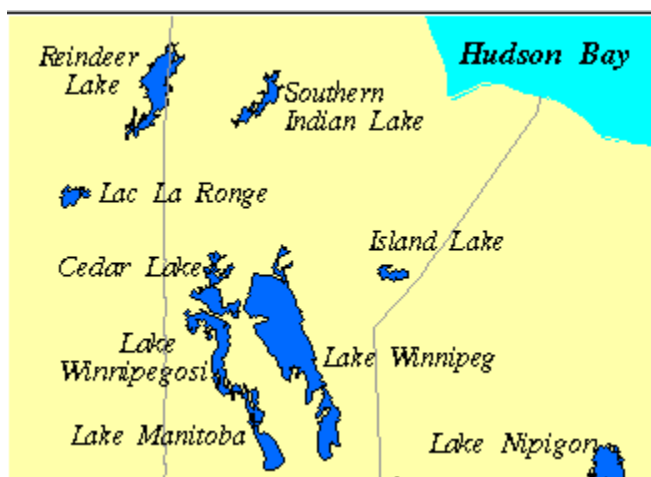
Wsiearth.tif -- World WorldSat

Path: ESRI Data & Maps 1 (CD) \world
Projection:
Projection   MILLER CYLINDRICAL
Zunits   UNKNOWN
Units   METERS
Spheroid   SPHERE
Xshift   0.0000000000
Yshift   0.0000000000

Parameters   ATLANTIC ORIENTATION

Country codes and names

Fields:

Fips_code -- The two-letter FIPS country code.

Example: MX for Mexico. (String)

Abbrevname -- An abbreviated country name.

Example: Korea Rep for Republic of Korea. (String)

Economy

Attribute values of -99 are null values (data not available).

Fields:

P_agland -- The amount of land in agriculture for 1989 expressed as a percentage of total land area. It includes areas used for crops, pasture, market or kitchen gardens, and land lying fallow. (Number)

Pct_pop_ag -- Percentage of the total population dependent on agriculture (1990). (String)

Gnp_cap -- Gross national product (GNP) per person for 1989 in U.S. dollars. GNP is the value of all goods and services produced in a country in a year. (Number)

Pct_f_work -- Women in paid employment as a percentage of the total workforce (1989). (String)

Pct_trade -- Value of exports as a percentage of Gross Domestic Product (GDP) for 1988. GDP is the value of all goods and services produced in a country in a year, excluding payments on foreign investments. (String)

Trade_bal -- Value of exports in proportion to the value of imports (1988). (String)

Energy_bal -- Difference between energy production and consumption in millions of tons of oil equivalent (mtoe) for 1989. (String)

Population and population growth

Note Some fields below are stated to be for 1989. However, for countries formed after 1989 such as Russia and Slovenia, attributes are the most current estimates available or are extrapolated from values for the former country.

Attribute values of -99 are null values (data not available).

Fields:

Tot_pop -- Total population for the year 1989. (Number)

Tot_pop80 -- Total population for the year 1980. (Number)

Grw_rate -- The annual population growth rate for 1989. (Number)

Grw_rate80 -- The annual population growth rate for 1980. (Number)

Doubletm -- The number of years for the population to double at the 1989 growth rate. (Number)

Doubletm80 -- The number of years for the population to double at the 1980 growth rate. (Number)

Pr_pop2000 -- Projected population for 2000, based on the 1989 population and growth rate. (Number)

P_0_14_89 -- Percentage of the 1989 population between zero and fourteen years of age. (Number)

P_15_64_89 -- Percentage of the 1989 population between 15 and 64 and years of age. (Number)

P_urban89 -- Percentage of the 1989 population living in urban areas. (Number)

Popdensity -- Population per square mile of total surface area for 1989. (Number)

Vital statistics

Note Some fields below are stated to be for 1989. However, for countries formed after 1989 such as Russia and Slovenia, attributes are the most current estimates available or are extrapolated from values for the former country.

Attribute values of -99 are null values (data not available).

Fields:

Bir_rate -- The number of births per 1,000 persons for 1989. (Number)

Bir_rate80 -- The number of births per 1,000 persons for 1980. (Number)

Dth_rate -- The number of deaths per 1,000 persons for 1989. (Number)

Dth_rate80 -- The number of deaths per 1,000 persons for 1980. (Number)

Fertility -- Fertility rate for 1989. Fertility rate is the average number of children that would be born alive to a woman during her lifetime if she were to bear children in accordance with prevailing age-specific fertility rates. (Number)

Fertilty80 -- Fertility rate for 1980. (Number)

Life_exp -- Life expectancy for all children born in 1989. Life expectancy is the number of years a newborn infant would live if the prevailing patterns of mortality were to remain the same throughout its life. The data are based on a combination of observed values and interpolated and projected estimates. (Number)

Life_exp_f -- Life expectancy for females born in 1989. (Number)