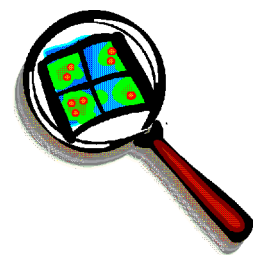


Working with ArcVoyager

Data Dictionaries and Data Sources



ArcView
for Schools and Libraries

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.

ArcVoyager data files: File name index

GEO directory: Geographic shape files

\GEO\CANADA\ Canada shapefiles

CITIES.SHP	Section 3.1.1.1
ECO_ZONE.SHP	Section 3.1.1.2
GREENLND.SHP	Section 3.1.1.3
ICECAPS.SHP	Section 3.1.1.4
LAKES.SHP	Section 3.1.1.5
LPDB.SHP	Section 3.1.1.6
NUNAVUT.SHP	Section 3.1.1.7
OCEAN.SHP	Section 3.1.1.8
PARKS.SHP	Section 3.1.1.9
PROV_96.SHP	Section 3.1.1.10
PROV_99.SHP	Section 3.1.1.11
RIVERS.SHP	Section 3.1.1.12
ROADS.SHP	Section 3.1.1.13

\GEO\GEORGIA\ Georgia shapefiles

GA_CITY.SHP	Section 3.1.2.1
GA_CODEM.SHP	Section 3.1.2.2
GA_FRM92.SHP	Section 3.1.2.3
GA_P0090.SHP	Section 3.1.2.4
GA_PLACE.SHP	Section 3.1.2.5
GA_POP94.SHP	Section 3.1.2.6
SE_RIVER.SHP	Section 3.1.2.7

\GEO\NAMERICA\ North America shapefiles

CANADA.SHP	Section 3.1.3.1
MEXICO.SHP	Section 3.1.3.2
MXCA_CIT.SHP	Section 3.1.3.3
NA_LAKES.SHP	Section 3.1.3.4
NA_RIVER.SHP	Section 3.1.3.5
NA_ROADS.SHP	Section 3.1.3.6
WEST_FAU.SHP	Section 3.1.3.7
WEST_HEM.SHP	Section 3.1.3.8
WEST_OCN.SHP	Section 3.1.3.9
WEST_QUA.SHP	Section 3.1.3.10
WEST_VOL.SHP	Section 3.1.3.11

\GEO\PRAIRIE\: Prairie shapefiles

PR_ELEV.SHP	Section 3.1.4.1
PR_LAKE.SHP	Section 3.1.4.2
PR_LPDB.SHP	Section 3.1.4.3
PR_PLACE.SHP	Section 3.1.4.4
PR_RAIL.SHP	Section 3.1.4.5
PR_RIVER.SHP	Section 3.1.4.6
PR_ROADS.SHP	Section 3.1.4.7
PR_VG_LU.SHP	Section 3.1.4.8
PRAIRIE.SHP	Section 3.1.4.9

\GEO\US\: United States shapefiles

C100250K.SHP	Section 3.1.5.1
C250500K.SHP	Section 3.1.5.2
C500KPLS.SHP	Section 3.1.5.3
FEDLAND.SHP	Section 3.1.5.4
US_CITY.SHP	Section 3.1.5.5
US_CNTY.SHP	Section 3.1.5.6
US_HIGH.SHP	Section 3.1.5.7
US_LAKES.SHP	Section 3.1.5.8
US_QUAK.SHP	Section 3.1.5.9
US_QUAKE.SHP	Section 3.1.5.10
US_RIVER.SHP	Section 3.1.5.11
US_ROUTE.SHP	Section 3.1.5.12
US_STATE.SHP	Section 3.1.5.13
US14PEAK.SHP	Section 3.1.5.14
US48_DIV.SHP	Section 3.1.5.15
US48QUAK.SHP	Section 3.1.5.16

\GEO\WORLD\: World shapefiles

COUNTRY.SHP	Section 3.1.6.1
FAULTS.SHP	Section 3.1.6.2
GEOGRID.SHP	Section 3.1.6.3
MINERALS.SHP	Section 3.1.6.4
PLAT_LIN.SHP	Section 3.1.6.5
PLAT_POL.SHP	Section 3.1.6.6
QUAK7093.SHP	Section 3.1.6.7
QUAKES96.SHP	Section 3.1.6.8
QUAKES98.SHP	Section 3.1.6.9
VOLCANO.SHP	Section 3.1.6.10
W_CITIES.SHP	Section 3.1.6.11
W_LAKES.SHP	Section 3.1.6.12
W_RIVERS.SHP	Section 3.1.6.13
WOR_QUAK.SHP	Section 3.1.6.14
WORLD30.SHP	Section 3.1.6.15
WORLDREF.SHP	Section 3.1.6.16

IMAGE directory: Map image files

ARABLE.TIF	Section 3.2.1
AVJANTMN.TIF	Section 3.2.2
AVJANTMX.TIF	Section 3.2.3
AVJULTMN.TIF	Section 3.2.4
AVJULTMX.TIF	Section 3.2.5
D9561CLD.TIF	Section 3.2.6
D9561LND.TIF	Section 3.2.7
D9561MNT.TIF	Section 3.2.8
D9561MXT.TIF	Section 3.2.9
D9561PPT.TIF	Section 3.2.10
ETOPO5.TIF	Section 3.2.11
FARMING.TIF	Section 3.2.12
GA_STATE.TIF	Section 3.2.13
GNP.TIF	Section 3.2.14
POPDENS.TIF	Section 3.2.15
POPGROW.TIF	Section 3.2.16
PRECIP.TIF	Section 3.2.17
TOTPOP.TIF	Section 3.2.18

TABLE directory: Statistical data files

\\TABLE\\CANADA\\ Canada data files

AGRICULT.DBF	Section 3.3.1.1
ECO_COVR.DBF	Section 3.3.1.2
ECO_DOME.DBF	Section 3.3.1.3
ECO_DOMF.DBF	Section 3.3.1.4
ECO_LFRM.DBF	Section 3.3.1.5
ECO_MTRL.DBF	Section 3.3.1.6
ECO_POP.DBF	Section 3.3.1.7
ECO_TEXT.DBF	Section 3.3.1.8
ETHNIC.DBF	Section 3.3.1.9
LANGUAGE.DBF	Section 3.3.1.10
LPDBCLIM.DBF	Section 3.3.1.11
POP_GROW.DBF	Section 3.3.1.12

\\TABLE\\GEORGIA\\ Georgia data files

GA_PARKS.DBF	Section 3.3.2.1
--------------	-----------------

\\TABLE\\NAMERICA\\ North America data files

CA_DEMOG.DBF	Section 3.3.3.1
MX_DEMOG.DBF	Section 3.3.3.2

\TABLE\PRAIRIE\: Prairie data files

AGRICULT.DBF	Section 3.3.4.1
CLIM5180.DBF	Section 3.3.4.2
CLIMATE.DBF	Section 3.3.4.3

\TABLE\US\: United States data files

AG_92CO.DBF	Section 3.3.5.1
AG_92MOR.DBF	Section 3.3.5.2
AG_92ST.DBF	Section 3.3.5.3
CNTY0090.DBF	Section 3.3.5.4
COUNTY.DBF	Section 3.3.5.5
DEMOG_90.DBF	Section 3.3.5.6
POP_200.DBF	Section 3.3.5.7
POP_95CO.DBF	Section 3.3.5.8
POP_95ST.DBF	Section 3.3.5.9
POPC9094.DBF	Section 3.3.5.10
POPS9094.DBF	Section 3.3.5.11
ST_DATA.DBF	Section 3.3.5.12
STABST95.DBF	Section 3.3.5.13
US_LAND.DBF	Section 3.3.5.14
USAIDS95.DBF	Section 3.3.5.15

\TABLE\WORLD\: World data files

DEMOG.DBF	Section 3.3.6.1
POL_ORG.DBF	Section 3.3.6.2
UNHIVAID.DBF	Section 3.3.6.3
W_CENSUS.DBF	Section 3.3.6.4
W_NEWSWK.DBF	Section 3.3.6.5
W_PRB94.DBF	Section 3.3.6.6

\TABLE\GLOBE\: Globe data files

AT_MARCH.TXT	Section 3.3.7.1
CO_MARCH.TXT	Section 3.3.7.2
LC_MARCH.TXT	Section 3.3.7.3
PR_MARCH.TXT	Section 3.3.7.4
PS_MARCH.TXT	Section 3.3.7.5
SM_MARCH.TXT	Section 3.3.7.6
ST_MARCH.TXT	Section 3.3.7.7
SW_MARCH.TXT	Section 3.3.7.8

Working with ArcVoyager: Data Dictionaries and Data Sources

1. Introduction

Working with GIS means working with data files, themes, and data fields. It means navigating code-oriented waters. You went looking for population and you came back with field names like TOT_POP and GRW_RATE. What are they? Do their data focus on countries or counties? For what year are the data? From where did the data come?

This report, **Working with ArcVoyager: Data Dictionaries and Data Sources**, will help you locate and understand data items used with ArcVoyager. It is designed to provide you with explanations of all ArcVoyager data sets. It is generally organized around ArcVoyager's basic structure - the four main ArcVoyager sections and the projects within each section (see [Section 1.4, The basic ArcVoyager structure](#) below).

In the listings that follow, you will find two sets of dictionaries and source documents.

1. ArcVoyager project themes: Descriptions and sources. Section 2.1 contains listings that mirror the thematic structure of ArcVoyager's sections and projects (see Section 1.4 for a synopsis of ArcVoyager's structure). These listings provide the name of each theme, the location and name of its parent ArcVoyager data file, where to find detailed listings and descriptions of individual fields associated with that particular theme, source information, and any explanatory notes.

2. ArcVoyager data files: Field names and definitions. Section 3.1 provides detailed descriptions and definitions for the fields in all ArcVoyager databases. The dictionaries furnish field names in forms recognizable as a computer database format (e.g. TOT_POP) and recognizable as everyday speech (e.g. Total population, 1989). These listings also follow ArcVoyager's file structure (i.e. \VOYAGER\DATA\...).

1.1 Data files, themes, and fields

As you work with the data in ArcVoyager, you will encounter specific data fields within specific files. You will see references to themes or layers. What are these things? Imagine the following example.

*Over breakfast, you're reading the newspaper. In it, you've gone to check on the day's weather. In your study of the weather page, you see columns of weather facts for cities across your state. You see forecasted temperature, humidity, wind direction and speed, and precipitation. Sipping your morning juice, you ponder turning this into something your students can study on the computer and potentially map. By doing so, you are moving into the realm of **data files, records, fields, and geographic themes**.*

Data files, records, fields, themes. What do these terms mean?

Some basic data definitions	
File	Think of the table of weather information as a data file or data set or a database.
Record	Each city and the weather information for it are a record in your data file. (Read across.)
Field	Each column of information (temperature, humidity, etc.) is a data field. (Read down.)
Theme	As a whole, the set of geographic weather information about cities in your state represents a theme. Another GIS name for a theme is a layer.

In a computerized form, the weather data file might look something like this.

My city weather data file = CTY_WTHR.DBF						
	Fields					
	CITY	HI_TEMP	HUMIDITY	WIND_DIR	WIND_SPD	PRECIPTN
Records	Bellefield	89	70	SE	10	0.25
	Canton	78	55	S	8	0.01
	Dunkirk	93	89	W	19	1.02
	Hooterville	89	57	SE	10	0.03
	Warren	79	59	S	7	0.11

In the example, your **data file** (CTY_WTHR.DBF) has **five records** (the five cities) and **six fields** (city names and five columns of weather data). Taken together this set of fields and records represent a **single theme** which might be named *City Weather*. To have field names that are recognizable to a Windows-type and also a Macintosh computer, they have been given short but meaningful names, e.g. WIND_DIR for wind direction.

In creating this file, it would be wise to create documentation about the information in it. Someone looking at the table above can not tell the source or the date of the information. Also, it is not clear what the values mean. Although good guesses are that temperature is in degrees Fahrenheit, humidity is a percent, wind direction relates to the compass direction from which the wind is blowing, wind speed is in miles per hour, and precipitation is inches over the last 24 hours, none of that is known for certain. This is why a data dictionary is critical to data base development.

1.2 Basic file types in ArcVoyager

As you investigate this document and the contents of the ArcVoyager data directories, you will encounter three basic types of files. These are **geographic shape** files, **map image** files, and **statistical data** files (see also *Section 3, ArcVoyager data files: Field names and definitions*). Information about each of these is summarized in the table below.

File type	File extension	Function	Other Associated files	Directory location(s)
Geographic shapes	.SHP	Draws geographic shapes (points, lines, and areas) in geographic space (e.g. a shape associated with latitude and longitude). Maps basic locational features (e.g. city locations, roads, country boundaries). May also include statistical/characteristic information (e.g. city population, highway number, country demographics). These files answer the question, “Where is it?”	To draw a geographic shape in a map (i.e. to add a theme) in ArcVoyager requires only retrieving the files with an .SHP extension (e.g. COUNTRY.SHP) using the ADD THEME button. However, two other files must present in the data directory for the shape to draw. These are the associated .SHX and .DBF files. Two other files may also be present for indexing purposes, .SBN and .SBX.	\VOYAGER\DATA\GEO\...
Map images	.TIF	Represents graphic images that may or may not be geographically referenced.	To display a map image in exact geographic location, the .TIF file is accompanied by a file of the same name but ending in .TFW.	\VOYAGER\DATA\IMAGE\...
Statistical data	.DBF	Contains tables of information like files used in a spreadsheet or data base application. Here, the files contain characteristics (or attributes) about geographic locations such as the 28 attributes about 165 countries found in DEMOG.DBF.	No other files are associated with .DBF files from a purely statistical information standpoint. Statistical data can also be added to an ArcVoyager (or ArcView) project via .TXT files.	\VOYAGER\DATA\TABLE\...

1.3 Missing values in data sets

As you work with ArcVoyager files, you may find data holes--**missing values**--such as in the records highlighted above. These missing data may result from information not being available (such as 1980 population data not being available for Azerbaijan) or not being applicable (such as Antarctica, which has no population). These are coded with a special value to reduce confusion. The code is **-99**, **-99.00**, or a similar value that is outside the logical scope of the data.

1.4 The basic ArcVoyager structure

ArcVoyager section name	Geographic focus of project	Subprojects or subject	Comments
Exploring Key Concepts: Teach Me			There are no projects or databases in this section, only static map images with references.
Viewing World Snapshots: Show Me	World and countries		The project is labeled “World Atlas.”
Designing Global Adventures: Point Me	World	Human geography	The projects in this section include predefined themes and unexplored data sets.
	World	Physical geography	
	North America		
	Canada - English Canada - Français	Agriculture Agriculture	
	Canada - English Canada - Français	Climate Climate	
	Canada - English Canada - Français	Ethnicity and Language Ethnicité et langue	
	Canada - English Canada - Français	Physical Environment Physique (Zones Écologiques)	
	Canada - English Canada - Français	Population Growth and Change Croissance et changement de population	
	Canada - English Canada - Français	Reference map Carte de Référence	
	United States	Agriculture	
	United States	Population change	
	United States	Race and ethnicity	
	United States	Reference map	
	Prairies	Agriculture	
	Prairies	Physical Environment	
	Prairies	Reference Map	
	Georgia	Agriculture	
	Georgia	Population change	
	Georgia	Race and ethnicity	
	Georgia	Reference map	
Creating New Worlds: Turn Me Loose	User defined		There are no themes present in this project.

2. ArcVoyager project themes: Descriptions and sources

Below are listings that mirror the structure of ArcVoyager's sections and projects (see Section 1.4 for a synopsis of ArcVoyager's basic structure). These listings provide the name of each theme, the location and name of its parent ArcVoyager data file, where to find detailed listings and descriptions of individual fields, source information, and any explanatory notes.

2.1 Themes associated with *Exploring Key Concepts: Teach Me*

In this section of ArcVoyager, there are no data sets that can be investigated directly. Only map images are presented. Brief descriptions of these images are presented in the ArcVoyager Guide.

2.2 Themes associated with *Viewing World Snapshots: Show Me*

Viewing World Snapshots: Show Me is a world atlas with approximately 20 themes. As the atlas project opens, you are presented with a map of the world (see Section 2.2.1.1 below). You can add other themes to the display. These are described below in Section 2.2.1.2.

2.2.1 World atlas themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\ . Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.2.1.1 World Atlas -- themes already present in the view		
Theme name/ File name	Field name Definitions	Source, description, comments
Latitude/longitude ...\GEO\WORLD\ WORLD30.SHP	See Section 3.1.6.15 below for details	Source: ArcView 2.x Sample data, ESRI, Redlands, CA Lines of latitude and longitude in 30-degree increments. This theme is presented twice (in blue and white). Use whichever looks best as you add themes to your view. They are provided as an overlay for snapshot maps such as cloud cover.
Country Borders ...\GEO\WORLD\ COUNTRY.SHP	See Section 3.1.6.1 below for details.	Source: ArcView 2.x Sample data, ESRI, Redlands, CA National borders as of 1994. Boundaries and coastline features are generalized and smaller islands (some of which are nations) may not appear. These boundaries are presented twice (in black and white). Use whichever looks best as you add themes to your view. They are provided as an overlay for snapshot maps.
Countries ...\GEO\WORLD\ COUNTRY.SHP	See Section 3.1.6.1 below for details.	Source: ArcView 2.x Sample data, ESRI, Redlands, CA Boundaries for 165 countries and land masses. See discussion above for more information. There is no descriptive data presented.
Ocean ...\GEO\WORLD\ WORLD30.SHP	See Section 3.1.6.15 below for details.	Source: ArcView 2.x Sample data, ESRI, Redlands, CA Ocean represented by a 30 X 30-degree grid. No descriptive information is available.

2.2.1.2 Additional world atlas themes		
A. Biosphere--Living things		
Theme name/ File name	Field name Definitions	Source, description, comments
Total population, 1989 ...\IMAGE\ TOTPOP.TIF	See Section 3.2.18 below for listing.	Source: World Bank, Washington, DC. Population in 1989, by country. For countries formed after 1989 (e.g., Russia), the population number is the most recent estimate or was extrapolated from values for the former country. This is an image. Its legend is viewed by clicking the theme name (not the check box by the name) and clicking the legend button.
Population density ...\IMAGE\ POPDENS.TIF	See Section 3.2.15 below for listing.	Source: Data +, Moscow, Russia. Population density (average persons per square kilometer). The patterns are based on census and estimate data spanning 1981 to 1994. This is an image. See comments in Total population, 1989.
Population growth rate, 1989 ...\IMAGE\ POPGROW.TIF	See Section 3.2.16 below for listing.	Source: World Bank, Washington, DC. Population growth rate in 1989. For countries formed after 1989 (e.g., Russia), the population number is the most recent estimate or was extrapolated. This is an image. See comments in Total population, 1989.
GNP per capita ...\IMAGE\ GNP.TIF	See Section 3.2.14 below for listing.	Source: World Bank, Washington, DC. 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. This is an image. See comments in Total population, 1989.
Percent agricultural labor ...\IMAGE\ FARMING.TIF	See Section 3.2.12 below for listing.	Source: Newsweek, New York, NY. Percent of a country's labor force engaged in agricultural production. No year is indicated. This is an image. See comments in Total population, 1989.
Percent arable land ...\IMAGE\ ARABLE.TIF	See Section 3.2.1 below for listing.	Source: Newsweek, New York, NY. Percent of a country's land used for growing crops. No year is indicated. This is an image. See comments in Total population, 1989.
Vegetation cover (6/1/95) ...\IMAGE\ D9561LND.TIF	See Section 3.2.7 below for listing.	Source: The GLOBE Program, Washington, DC. Generalized planetary vegetation cover for June 1, 1995. This is an image. See comments in Total population, 1989.
World cities ...\GEO\WORLD\ W_CITIES.SHP	See Section 3.1.6.11 below for details.	Source: ESRI, Redlands, CA & Rand McNally, Chicago, IL. Includes national capitals, major urban centers and other landmark cities.

B. Lithosphere--Rocks		
Theme name/ File name	Field name Definitions	Source, description, comments
Plate Boundaries ...\GEO\WORLD\ PLAT_POL.SHP	See Section 3.1.6.6 below for details.	Source: Data +, Moscow, Russia. Boundaries for major tectonic plates.
Earthquakes ...\GEO\WORLD\ QUAK7093.SHP	See Section 3.1.6.7 below for details.	Source: Data +, Moscow, Russia. Earthquake events occurring between 1970-1993 with a magnitude of 4.0 or greater. The original source of the data is the U.S. Geological Survey.
Elevation ...\IMAGE\ ETOPO5.TIF	See Section 3.2.11 below for listing.	Source: NOAA, Washington, DC. Generalized elevation patterns. The image is from NOAA's Global Ecosystem Database. This is an image. See comments in Total population, 1989.
Faults ...\GEO\WORLD\ FAULTS.SHP	See Section 3.1.6.2 below for details.	Source: Data +, Moscow, Russia. Major faults on the continental land masses. It includes information for over 4,000 tectonic contact, thrust, step, and rift faults.
Volcanoes ...\GEO\WORLD\ VOLCANO.SHP	See Section 3.1.6.10 below for details.	Source: Data +, Moscow, Russia. Active and potentially active volcano sites. It provides information on the name of the volcano (if available), country, and elevation (in meters).
C. Atmosphere--Air		
Theme name/ File name	Field name Definitions	Source, description, comments
Average annual precipitation ...\IMAGE\ PRECIP.TIF	See Section 3.2.17 below for listing.	Source: Data +, Moscow, Russia. Annual average precipitation in millimeters. 1000 mm equals one meter or just over 39 inches. This is an image. See comments in Total population, 1989.
Average January temperature (min) ...\IMAGE\ AVJANTMN.TIF	See Section 3.2.2 below for listing.	Source: Data +, Moscow, Russia. Average January low temperatures in degrees Celsius. This is an image. See comments in Total population, 1989.
Average January temperature (max) ...\IMAGE\ AVJANTMX.TIF	See Section 3.2.3 below for listing.	Source: Data +, Moscow, Russia. Average January high temperature in degrees Celsius. This is an image. See comments in Total population, 1989.
Average July temperature (minimum) ...\IMAGE\ AVJULTMN.TIF	See Section 3.2.4 below for listing.	Source: Data +, Moscow, Russia. Average July low temperature in degrees Celsius. This is an image. See comments in Total population, 1989.

Theme name/ File name	Field name Definitions	Source, description, comments
Average July temperature (maximum) ...\IMAGE\ AVJULTMX.TIF	See Section 3.2.5 below for listing.	Source: Data +, Moscow, Russia. Average July high temperature in degrees Celsius. This is an image. See comments in Total population, 1989.
Minimum temperature (6/1/95) ...\IMAGE\ D9561MNT.TIF	See Section 3.2.8 below for listing.	Source: The GLOBE Program, Washington, DC. Generalized forecasted low temperatures for June 1, 1995. It was produced by the National Oceanic and Atmospheric Administration (NOAA). Temperatures are presented in degrees Celsius. This is an image. See comments in Total population, 1989.
Maximum temperature (6/1/95) ...\IMAGE\ D9561MXT.TIF	See Section 3.2.9 below for listing.	Source: The GLOBE Program, Washington, DC. Generalized forecasted high temperatures for June 1, 1995. It was produced by NOAA. Temperatures are presented in degrees Celsius. This is an image. See comments in Total population, 1989.
Cloud cover (6/1/95) ...\IMAGE\ D9561CLD.TIF	See Section 3.2.6 below for listing.	Source: The GLOBE Program, Washington, DC. Generalized cloud patterns be for June 1, 1995. It was produced by NOAA. This is an image. See comments in Total population, 1989.
Precipitation (6/1/95) ...\IMAGE\ D9561PPT.TIF	See Section 3.2.10 below for listing.	Source: The GLOBE Program, Washington, DC. Generalized forecasted precipitation for June 1, 1995. It was produced by NOAA. This is an image. See comments in Total population, 1989.
D. Hydrosphere--Water		
Theme name/ File name	Field name Definitions	Source, description, comments
Major rivers ...\GEO\WORLD\ W_RIVERS.SHP	See Section 3.1.6.13 below for details.	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of the world (98 features). The original data are from the U.S. Geological Survey's World Data Bank II.
Major lakes ...\GEO\WORLD\ W_LAKES.SHP	See Section 3.1.6.12 below for details.	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and large inland water bodies of the world. The original data are from the U.S. Geological Survey's World Data Bank II.

2.3 Themes associated with *Designing Global Adventures: Point Me*

Designing Global Adventures: Point Me allows the user to interact directly with many sets of geographic and statistical data. The **Point Me** segment of ArcVoyager provides a range of geography to investigate (see [Section 1.4, The basic ArcVoyager structure](#)). In this section, there are ready-made projects looking at selected human and physical geographic characteristics of the world, North America, Canada, the United States, the Canadian Prairies, and Georgia. As appropriate, these projects include data for countries of the world, U.S. and Mexican states, Canadian provinces and territories, U.S. counties, and world and U.S. cities. The Canada, U.S., Prairies and Georgia projects also further divide into explorations of basic geographic features, agriculture, population change, climate, and race and ethnicity.

The listings below provide you with descriptions of the thematic layers present in each project as they open. They are listed in the order of their appearance in the display legend (that is, in the View's Table of Contents).

2.3.1 *World--Human Geography* themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.1 World--Human Geography		
Theme name/ File name	Field name Definitions	Source, description, comments
Major rivers ...\GEO\WORLD\ W_RIVERS.SHP	See Section 3.1.6.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of the world (98 features). The original data are from the U.S. Geological Survey's World Data Bank II.
Major lakes ...\GEO\WORLD\ W_LAKES.SHP	See Section 3.1.6.12 below for details.	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and large inland water bodies of the world. The original data are from the U.S. Geological Survey's World Data Bank II.
Capital cities ...\GEO\WORLD\ W_CITIES.SHP	See Section 3.1.6.11 below for details.	Source: ESRI, Redlands, CA & Rand McNally, Chicago, IL. National capitals, major urban centers and other landmark cities.
World cities ...\GEO\WORLD\ W_CITIES.SHP	See Section 3.1.6.11 below for details.	Source: ESRI, Redlands, CA & Rand McNally, Chicago, IL. National capitals, major urban centers and other landmark cities.

Theme name/ File name	Field name Definitions	Source, description, comments
Population, 1989 ...\\TABLE\\WORLD\\ DEMOG.DBF joined to ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.3.6.1 below for details. See Section 3.1.6.1 below for details.	Source: World Bank, Washington, DC. Population in 1989 (TOT_POP). In order for the DEMOG.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 165 countries). For more information on file types and their functions, see <i>Section 1.2, Basic file types in ArcVoyager</i> .
Pop grow rate, 89 Same files as Population, 1989	See Section 3.3.6.1 below for details.	Source: World Bank, Washington, DC. Population growth rate in 1989 (GRW_RATE).
GNP/Capita Same files as Population, 1989	See Section 3.3.6.1 below for details.	Source: World Bank, Washington, DC. Gross national product, by country, in 1989 (GNP_CAP).
Percent ag land Same files as Population, 1989	See Section 3.3.6.1 below for details.	Source: World Bank, Washington, DC. Percentage of land used for agriculture, by country, in 1989 (P_AGLAND).
Census Bureau data ...\\TABLE\\WORLD\\ W_CENSUS.DBF joined to ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.3.6.4 below for details. See Section 3.1.6.1 below for details.	Source: U.S. Bureau of the Census, Washington, DC. Infant mortality rate (INF_MORT_R). This theme contains 11 fields that can be mapped. The statistical data cover 165 countries. In order for the W_CENSUS.DBF fields to be mapped, the W_CENSUS.DBF file must be joined to a geographic shape file for identical geography (the same 165 countries). See <i>Section 1.2, Basic file types in ArcVoyager</i> .
Population Reference Bureau data ...\\TABLE\\WORLD\\ W_PRB94.DBF joined to ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.3.6.6 below for details. See Section 3.1.6.1 below for details.	Source: Population Reference Bureau, Washington, DC. Estimated number of births in 1994 (BIRTHS). This theme contains 30 fields that can be mapped. The statistical data cover 165 countries. In order for the W_PRB94.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 165 countries). See <i>Section 1.2, Basic file types in ArcVoyager</i> .
Newsweek data ...\\TABLE\\WORLD\\ W_NEWSWK.DBF joined to ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.3.6.5 below for details. See Section 3.1.6.1 below for details.	Source: Newsweek Education Program, New York, NY. Phones per 1,000 people (PHONES-K). This theme contains 28 fields that can be mapped. The statistical data cover 165 countries. In order for the W_NEWSWK.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 165 countries). See <i>Section 1.2, Basic file types in ArcVoyager</i> .

Theme name/ File name	Field name Definitions	Source, description, comments
AIDS data ...\\TABLE\\WORLD\\ UNHIVAID.DBF joined to ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.3.6.3 below for details. See Section 3.1.6.1 below for details.	Source: United Nations, World Health Organization, Geneva, Switzerland. Adult HIV cases in 1994 (ADULTHIV94). This theme contains 14 fields that can be mapped. The statistical data cover 165 countries of the world. In order for the UNHIVAID.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 165 countries). See <i>Section 1.2, Basic file types in ArcVoyager</i> .
World countries ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.1.6.1 below for details.	Source: ArcView 2.x sample data, ESRI, Redlands, CA Boundaries for countries. There are no statistical characteristics.
Ocean ...\\GEO\\WORLD\\ WORLD30.SHP	See Section 3.1.6.15 below for details.	Source: ArcView 2.x sample data, ESRI, Redlands, CA Uses the 30 x 30 latitude and longitude areas to represent the world ocean. No descriptive information is available.

2.3.2 World--Physical Geography themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \\VOYAGER\\DATA\\DATA\\. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.2 World--Physical Geography		
Theme name/ File name	Field name Definitions	Source, description, comments
Country borders ...\\GEO\\WORLD\\ COUNTRY.SHP	See Section 3.1.6.1 below for details	Source: ArcView 2.x sample data, ESRI, Redlands, CA Boundaries for countries. There are no statistical characteristics.
Geogrid ...\\GEO\\WORLD\\ GEOGRID.SHP	See Section 3.1.6.3 below for details	Source: ArcView 2.x sample data, ESRI, Redlands, CA. Reference features including the Equator, Prime Meridian, International Date Line, Tropic of Cancer, Tropic of Capricorn, Arctic Circle, and Antarctic Circle.
Capital Cities ...\\GEO\\WORLD\\ W_CITIES.SHP	See Section 3.1.6.11 below for details.	Source: ESRI, Redlands, CA & Rand McNally, Chicago, IL. National capitals
Major Cities ...\\GEO\\WORLD\\ W_CITIES.SHP	See Section 3.1.6.11 below for details.	Source: ESRI, Redlands, CA & Rand McNally, Chicago, IL. National capitals, major urban centers and other landmark cities.

Theme name/ File name	Field name Definitions	Source, description, comments
Major Lakes ...\GEO\WORLD\ W_LAKES.SHP	See Section 3.1.6.12 below for details.	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and large inland water bodies of the world. The original data are from the U.S. Geological Survey's World Data Bank II.
Major Rivers ...\GEO\WORLD\ W_RIVERS.SHP	See Section 3.1.6.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Major rivers of the world. The original data are from the USGS.
Volcanoes ...\GEO\WORLD\ VOLCANO.SHP	See Section 3.1.6.10 below for details.	Source: Data +, Moscow, Russia. Active and potentially active volcano sites. Includes the name of the volcano (if available), country, and elevation meters).
Major Earthquakes, 1970-93 ...\GEO\WORLD\ QUAK7093.SHP	See Section 3.1.6.7 below for details.	Source: Data +, Moscow, Russia. Earthquake events occurring from 1970-1993 with a magnitude of 4.0 or greater. The original source of the data is the USGS.
Faults ...\GEO\WORLD\ FAULTS.SHP	See Section 3.1.6.2 below for details.	Source: Data +, Moscow, Russia. Major faults on the continental land masses. It includes information for over 4,000 tectonic contact, thrust, step, and rift faults.
Plate boundaries (polygons) ...\GEO\WORLD\ PLAT_POL.SHP	See Section 3.1.6.6 below for details.	Source: Data +, Moscow, Russia. Boundaries for 12 major tectonic plates covering Earth's surface. Features are presented as polygons. Attributes include plate names.
Elevation ...\IMAGE\ ETOPO5.TIF	See Section 3.2.11 below for details.	Source: National Oceanic and Atmospheric Administration (NOAA), Washington, DC. Generalized elevation patterns. The image is from NOAA's Global Ecosystem Database.
Vegetation--general ...\IMAGE\ D9561LND.TIF	See Section 3.2.7 below for details.	Source: The GLOBE Program, Washington, DC. Generalized planetary vegetation cover for June 1, 1995.
Average January Low Temp. ...\IMAGE\ AVJANTMN.TIF	See Section 3.2.3 below for details.	Source: Data +, Moscow, Russia. Average January high temperature in degrees Celsius.
Average January High Temp. ...\IMAGE\ AVJANTMX.TIF	See Section 3.2.5 below for details.	Source: Data +, Moscow, Russia. Average January high temperature in degrees Celsius.
Average July Low Temp. ...\IMAGE\ AVJULTMN.TIF	See Section 3.2.5 below for details.	Source: Data +, Moscow, Russia. Average July low temperature in degrees Celsius.

Theme name/ File name	Field name Definitions	Source, description, comments
Average July High Temp. ...\IMAGE\ AVJULTMX.TIF	See Section 3.2.5 below for details.	Source: Data +, Moscow, Russia. Average July high temperature in degrees Celsius.
Average yearly precipitation ...\IMAGE\ PRECIP.TIF	See Section 3.2.17 below for details.	Source: Data +, Moscow, Russia. Average yearly precipitation in millimeters.
High Temp. 6/1/95 ...\IMAGE\ D9561MXT.TIF	See Section 3.2.9 below for details.	Source: The GLOBE Program, Washington, D.C Generalized forecasted high temperatures in degrees Celsius for June 1, 1995.
Low Temp. 6/1/95 ...\IMAGE\ D9561MNT.TIF	See Section 3.2.8 below for details.	Source: The GLOBE Program, Washington, D.C Generalized forecasted low temperatures in degrees Celsius for June 1, 1995.
Precipitation 6/1/95 ...\IMAGE\ D9561PPT.TIF	See Section 3.2.10 below for details	Source: The GLOBE Program, Washington, D.C Generalized forecasted precipitation in millimeters for June 1, 1995
Cloud Cover 6/1/95 ...\IMAGE\ D9561CLD.TIF	See Section 3.2.6 below for details	Source: The GLOBE Program, Washington, D.C Generalized observed cloud cover for June 1, 1995.
Demographic Data ...\TABLE\WORLD\ DEMOG.DBF joined to ...\GEO\WORLD\ COUNTRY.SHP	See Section 3.3.6.1 below for details See Section 3.1.6.15 below for details.	Source: World Bank, Washington, DC. Total Population in 1989 (TOT_POP). This theme contains 28 different fields that can be mapped. The statistical data cover 165 world countries. In order for the DEMOG.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 165 countries). For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Countries ...\GEO\WORLD\ COUNTRY.SHP	See Section 3.1.6.1 below for details.	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Boundaries for countries
Ocean ...\GEO\WORLD\ WORLD30.SHP	See Section 3.1.6.15 below for details.	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Uses a 30 x 30-degree latitude and longitude grid to represent the world ocean. No descriptive information is available.

2.3.3 North America themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.3 North America		
Theme name/ File name	Field name Definitions	Source, description, comments
Major cities (Canada/Mexico) ...\GEO\NAMERIC A\MXCA_CIT.SHP	See Section 3.1.3.3 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in Mexico and Canada. Provides total population, capital status (whether national or provincial/territorial or state), and name of associated province, territory, or state.
Major cities (United States) ...\GEO\US\ US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United. Provides data on total population, capital status, and state location, and contains additional demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major roads (North America) ...\GEO\NAMERIC A\NA_ROADS.SHP	See Section 3.1.3.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in Canada, Mexico and the United States (295 features). Includes the name/number of the route and its country of location.
Major lakes (North America) ...\GEO\NAMERIC A\NA_LAKES.SHP	See Section 3.1.3.4 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and large inland water bodies of North America. The original data are from the U.S. Geological Survey and ESRI's ArcWorld database.
Major rivers (North America) ...\GEO\NAMERIC A\NA_RIVER.SHP	See Section 3.1.3.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from the U.S. Geological Survey and ESRI's ArcWorld database.
Volcanoes (W. Hemisphere) ...\GEO\NAMERIC A\WEST_VOL.SHP	See Section 3.1.3.13 below for details	Source: Data +, Moscow, Russia. Active and potentially active volcano sites. It includes the name of the volcano and country (if available), type, and elevation (in meters).
Earthquakes (W. Hemisphere) ...\GEO\NAMERIC A\WEST_QUA.SHP	See Section 3.1.3.12 below for details	Source: Data +, Moscow, Russia. Major earthquakes that occurred between 1970-1993 in the Western Hemisphere with a magnitude of 4.0 or greater. The original source of the data is the U.S. Geological Survey.
Faults (W. Hemisphere) ...\GEO\NAMERIC A\WEST_FAU.SHP	See Section 3.1.3.9 below for details	Source: Data +, Moscow, Russia. Major faults on the continental land masses of the Western Hemisphere. It presents location information for over 1,300 tectonic contact, thrust, step, and rift faults.

Theme name/ File name	Field name Definitions	Source, description, comments
Population 1991, Canada ...\\TABLE\\ NAMERICA\\ CA_DEMOG.SHP joined to ...\\GEO\\NAMERIC A\\CANADA.SHP	See Section 3.3.3.1 below for details See Section 3.1.3.1 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Population in 1991 (POP1991) by province or territory. The table provides area name, total population and population density. The original source of the demographic data is Statistics Canada, Ottawa, Canada. In order for the CA_DEMOG.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population 1990, United States ...\\TABLE\\US\\ ST_DATA.DBF joined to ...\\GEO\\US\\ US_STATE.SHP	See Section 3.3.5.12 below for details See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Population in 1990 by state (POP1990). The table includes 45 variables that can be mapped. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the ST_DATA.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 51 state areas). For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population 1990, Mexico ...\\TABLE\\ NAMERICA\\ MX_DEMOG.DBF joined to ...\\GEO\\NAMERIC A\\MEXICO.SHP	See Section 3.3.3.2 below for details See Section 3.1.3.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Population in 1990 by state (POP1990). The table provides area name and six basic demographic fields. The original source of the demographic data is INEGI, Aguascalientes, Mexico. In order for the MX_DEMOG.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population Density, Canada Same files as Population, 1991 Canada	See Section 3.3.3.1 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Population density in 1991 (POP91_SQMI) by province or territory. The table provides area name, total population and population density. The original source of the demographic data is Statistics Canada, Ottawa, Canada.
Population Density, United States Same files as Population, 1990 United States	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Population in 1990 by state (POP90_SQMI). The table includes 45 variables that can be mapped. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Population Density, Mexico Same files as Population, 1990 Mexico	See Section 3.3.3.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Population Density in 1990 by state (POP90_SQMI). The table provides area name and six basic demographic fields. The original source of the demographic data is INEGI, Aguascalientes, Mexico.

Theme name/ File name	Field name Definitions	Source, description, comments
Canada ...\GEO\NAMERIC A\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for Canada's provinces/territories. The theme also provides area name, total population and population density. The original source of the demographic data is Statistics Canada, Ottawa, Canada.
United States ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This theme displays the boundaries of the 50 states and the District of Columbia. There are no statistical data presented.
Mexico ...\GEO\NAMERIC A\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for Mexico's 32 states. The theme also provides area, name, and six demographic fields. The original source of the demographic data is INEGI, Aguascalientes, Mexico.
Western Hemisphere Countries ...\GEO\NAMERIC A\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for countries/areas in the Western Hemisphere. Other than country name, there are no statistical characteristics presented here.
Ocean ...\GEO\NAMERIC A\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Uses the 30 x 30-degree latitude and longitude grid to represent the oceans in the Western Hemisphere. No descriptive information is available.

2.3.4 Canada themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.4.1 Canada—Reference Map		
Theme name/ File name	Field name Definitions	Source, description, comments
Province Territories ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Cities Towns ...\GEO\CANADA\ CITIES.SHP	See Section 3.1.1.1 below for details	Source: ArcCanada, ESRI Canada, North York, ON Major cities and towns in Canada
Roads Highways ...\GEO\CANADA\ ROADS.SHP	See Section 3.1.1.13 below for details	Source: Natural Resources Canada, Ottawa, ON Major roads and highways in Canada

Theme name/ File name	Field name Definitions	Source, description, comments
Rivers ...\\GEO\CANADA\ RIVERS.SHP	See Section 3.1.1.12 below for details	Source: Natural Resources Canada, Ottawa, ON Major rivers in Canada
Lakes ...\\GEO\CANADA\ LAKES.SHP	See Section 3.1.1.5 below for details	Source: Natural Resources Canada, Ottawa, ON Major lakes in Canada
National Parks Reserves ...\\GEO\CANADA\ PARKS.SHP	See Section 3.1.1.9 below for details	Source: Natural Resources Canada, Ottawa, ON National parks and reserves in Canada
Population (1999) ...\\GEO\CANADA\ PROV_99.SHP	See Section 3.1.1.11 below for details	Source: Statistics Canada, Ottawa, ON Population in 1999 (POP_99). Note: data for some provinces is for 1998
Population Density (1999) ...\\GEO\CANADA\ PROV_99.SHP	See Section 3.1.1.11 below for details	Source: Statistics Canada, Ottawa, ON Persons per square kilometer in 1999 (POP_99 normalized by AREA_KM).
Provinces/Territories ...\\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.
Greenland ...\\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\\GEO\CANADA\ OCEAN.SHP	See Section 3.1.6.15 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.4.2 Canada--Physical Environment

Theme name/ File name	Field name Definitions	Source, description, comments
Province Territories ...\\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Nunavut (1999) ...\\GEO\CANADA\ NUNAVUT.SHP	See Section 3.1.1.7 below for details	Source: Natural Resources Canada, Ottawa, ON Boundary of Nunavut, which splits the Northwest Territories and Nunavut effective April 1, 1999.

Theme name/ File name	Field name Definitions	Source, description, comments
Rivers ...\GEO\CANADA\ RIVERS.SHP	See Section 3.1.1.12 below for details	Source: Natural Resources Canada, Ottawa, ON Major rivers in Canada
Lakes ...\GEO\CANADA\ LAKES.SHP	See Section 3.1.1.5 below for details	Source: Natural Resources Canada, Ottawa, ON Major lakes in Canada
Ice Caps ...\GEO\CANADA\ ICECAPS.SHP	See Section 3.1.1.4 below for details	Source: Agriculture Canada, Ottawa, ON Areas of permanent ice sheet or glaciers
Pop. '91 by Ecozone ...TABLE\CANADA\ ECO_POP.DBF joined to ...\GEO\CANADA\ ECO_ZONE.SHP	See Section 3.3.1.7 below for details See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Population in 1991, by ecozone, (TOTAL_91). Original source of the data is Environment Canada and Agriculture Canada. In order for the ECO_POP.DBF fields to be mapped, the file must be joined to a geographic shape file. For information on file types and functions, see <i>Section 1.2, Basic file types in ArcVoyager</i> .
Ecozone ...\GEO\CANADA\ ECO_ZONE.SHP	See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Ecozones as defined by Environment Canada and Agriculture Canada.
Land Cover (Chart) ...TABLE\CANADA\ ECO_COVR.DBF joined to ...\GEO\CANADA\ ECO_ZONE.SHP	See Section 3.3.1.2 below for details See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Relative proportions of 10 land cover types, by ecozone. The original source of the data is the Ecological Monitoring and Assessment Network. In order for the ECO_COVR.DBF fields to be mapped, the file must be joined to a geographic shape file. For information on file types, see <i>Section 1.2, Basic file types in ArcVoyager</i> .
Land Cover (Dominant) Same files as Land Cover (Chart)	See Section 3.3.1.2 below for details See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Dominant land cover type, by ecozone (DOMINANT).
Soil Texture (Dominant) ...TABLE\CANADA\ ECO_TEXT.DBF joined to ...\GEO\CANADA\ ECO_ZONE.SHP	See Section 3.3.1.8 below for details See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Dominant soil texture type, by ecozone (DOMINANT). In order for the ECO_COVR.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and functions, see <i>Section 1.2</i> .

Theme name/ File name	Field name Definitions	Source, description, comments
Soil Texture (Chart) Same files as Soil Texture (Dominant)	See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Relative proportions of seven soil textures, by ecozone. The original source of the data is the Ecological Monitoring and Assessment Network.
Surface Material (Chart) ...TABLE\CANADA\ECO_MTRL.DBF joined to ...\GEO\CANADA\ECO_ZONE.SHP	See Section 3.3.1.6 below for details See Section 3.1.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Relative proportions of five surface materials, by ecozone. The original source of the data is the Ecological Monitoring and Assessment Network. In order for the ECO_COVR.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Surface Material (Dominant) Same files as Surface Material (Chart)	See Section 3.3.1.6 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Dominant surface material, by ecozone (DOMINANT).
Landform (Chart) ...TABLE\CANADA\ECO_LFRM.DBF joined to ...\GEO\CANADA\ECO_ZONE.SHP	See Section 3.3.1.5 below for details See Section 3.3.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Relative proportions of seven landform types, by ecozone. The original source of the data is the Ecological Monitoring and Assessment Network. In order for the ECO_LFRM.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Landform (Dominant) Same files as Landform (Chart)	See Section 3.3.1.5 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Dominant landform type, by ecozone (DOMINANT).
Permafrost ...\GEO\CANADA\ECO_DOME.DBF joined to ...\GEO\CANADA\ECO_ZONE.SHP	See Section 3.3.1.3 below for details See Section 3.3.1.2 below for details	Source: Agriculture Canada, Environment Canada, Ottawa, ON Dominant permafrost characteristic, by ecozone (DOM_PERM). In order for the ECO_DOME.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Provinces/Territories ...\GEO\CANADA\PROV_96.SHP	See Section 3.1.1.10 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.

Theme name/ File name	Field name Definitions	Source, description, comments
Greenland ...\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\ OCEAN.SHP	See Section 3.1.1.8 for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30 degree grid.

2.3.4.3 Canada--Agriculture

Theme name/ File name	Field name Definitions	Source, description, comments
Province Territories ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Nunavut (1999) ...\GEO\CANADA\ NUNAVUT.SHP	See Section 3.1.1.7 below for details	Source: Natural Resources Canada, Ottawa, ON Boundary of Nunavut, which splits the Northwest Territories and Nunavut effective April 1, 1999.
Farm Debt (91-96) ...TABLE\CANADA\ \AGRICULT.DBF joined to ...\GEO\CANADA\ PROV_96.SHP	See Section 3.3.1.1 below for details See Section 3.1.1.10 below for details	Source: Statistics Canada, Ottawa, ON Change in average farm debt between 1991 and 1996. In order for the AGRICULT.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Farm Value (91-96) Same files as Farm Debt (91-96)	See Section 3.3.1.1 below for details	Source: Statistics Canada, Ottawa, ON Change in average farm value between 1991 and 1996.
Number of Farms (91-96) Same files as Farm Debt (91-96)	See Section 3.3.1.1 below for details	Source: Statistics Canada, Ottawa, ON Change number of farms between 1991 and 1996
Agriculture Area (91-96) Same files as Farm Debt (91-96)	See Section 3.3.1.1 below for details	Source: Statistics Canada, Ottawa, ON Change in land under agricultural use between 1991 and 1996.

Theme name/ File name	Field name Definitions	Source, description, comments
Farm Size (91-96) Same files as Farm Debt (91-96)	See Section 3.3.1.1 below for details	Source: Statistics Canada, Ottawa, ON Change in average farm size between 1991 and 1996.
Greenland ...\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\ OCEAN.SHP	See Section 3.1.6.15 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.4.4 Canada--Ethnicity and Language

Theme name/ File name	Field name Definitions	Source, description, comments
Official Languages ...TABLE\CANADA\ LANGUAGE.DBF joined to ...\GEO\CANADA\ PROV_96.SHP	See Section 3.3.1.10 below for details See Section 3.1.1.10 below for details	Source: Statistics Canada, Ottawa, ON Relative proportions of persons reporting English, French or Non Official languages as a mother tongue. In order for the LANGUAGE.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Nunavut (1999) ...\GEO\CANADA\ NUNAVUT.SHP	See Section 3.1.1.7 below for details	Source: Natural Resources Canada, Ottawa, ON Boundary of Nunavut, which splits the Northwest Territories and Nunavut effective April 1, 1999.
Province Territories ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.
Mother Tongue (French) ...TABLE\CANADA\ LANGUAGE.DBF joined to ...\GEO\CANADA\ PROV_96.SHP	See Section 3.3.1.10 below for details See Section 3.1.1.10 below for details	Source: Statistics Canada, Ottawa, ON Percentage of the population whose mother tongue is French as reported in the 1996 census. In order for the LANGUAGE.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .

Theme name/ File name	Field name Definitions	Source, description, comments
Mother Tongue (Italian) Same files as Mother Tongue (French)	See Section 3.3.1.10 below for details	Source: Statistics Canada, Ottawa, ON Percentage of the population whose mother tongue is Italian as reported in the 1996 census.
Mother Tongue (Ukraine) Same files as Mother Tongue (French)	See Section 3.3.1.10 below for details	Source: Statistics Canada, Ottawa, ON Percentage of the population whose mother tongue is Ukrainian as reported in the 1996 census.
Visible Minorities (Aboriginal) ...TABLE\CANADA\ETHNIC.DBF joined to ...\GEO\CANADA\PROV_96.SHP	See Section 3.3.1.9 below for details See Section 3.1.1.10 below for details	Source: Statistics Canada, Ottawa, ON Percentage of the population reporting visible minority group as Aboriginal in the 1996 census. In order for the ETHNIC.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Visible Minorities (Black) Same files as Visible Minorities (Aboriginal)	See Section 3.3.1.9 below for details	Source: Statistics Canada, Ottawa, ON Percentage of the population reporting visible minority group as Black in the 1996 census.
Visible Minorities (Chinese) Same files as Visible Minorities (Aboriginal)	See Section 3.3.1.9 below for details	Source: Statistics Canada, Ottawa, ON Percentage of the population reporting visible minority group as Chinese in the 1996 census.
Provinces and Territories ...\GEO\CANADA\PROV_96.SHP	See Section 3.1.1.10 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.
Greenland ...\GEO\CANADA\GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GED\US\US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\OCEAN.SHP	See Section 3.1.6.15 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.4.5 Canada--Population Growth and Change

Theme name/ File name	Field name Definitions	Source, description, comments
Rural-Urban Pop. ...TABLE\CANADA\ POP_GROW.DBF joined to ...\GEO\CANADA\ PROV_96.SHP	See Section 3.3.1.16 below for details See Section 3.1.1.10 below for details	Source: Statistics Canada, Ottawa, ON Relative proportions of people living in urban and rural areas in 1996. In order for the POP_GROW.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Nunavut (1999) ...\GEO\CANADA\ NUNAVUT.SHP	See Section 3.1.1.7 below for details	Source: Natural Resources Canada, Ottawa, ON Boundary of Nunavut, which splits the Northwest Territories and Nunavut effective April 1, 1999.
Province Territories ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.
Population (1995) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Population in 1995, by province.
Pop. Change (90-95) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Change in population between 1990 and 1995 as a percentage of the total population.
Population (1990) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Population in 1990, by province.
Pop. Change (85-90) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Change in population between 1985 and 1990 as a percentage of the total population.
Population (1980) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Population in 1980, by province.
Pop. Change (76-80) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Change in population between 1976 and 1980 as a percentage of the total population.
Population (1976) Same files as Rural-Urban Pop.	See Section 3.3.1.16 below for details	Source: Statistics Canada, Ottawa, ON Population in 1976, by province.

Theme name/ File name	Field name Definitions	Source, description, comments
Provinces and Territories ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.
Greenland ...\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\ OCEAN.SHP	See Section 3.1.6.15 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.4.6 Canada--Climate

Theme name/ File name	Field name Definitions	Source, description, comments
Province Territories ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Nunavut (1999) ...\GEO\CANADA\ NUNAVUT.SHP	See Section 3.1.1.7 below for details	Source: Natural Resources Canada, Ottawa, ON Boundary of Nunavut, which splits the Northwest Territories and Nunavut effective April 1, 1999.
Rivers ...\GEO\CANADA\ RIVERS.SHP	See Section 3.1.1.12 below for details	Source: Natural Resources Canada, Ottawa, ON Major rivers in Canada
Lakes ...\GEO\CANADA\ LAKES.SHP	See Section 3.1.1.5 below for details	Source: Natural Resources Canada, Ottawa, ON Major lakes in Canada
Ice Caps ...\GEO\CANADA\ ICECAPS.SHP	See Section 3.1.1.4 below for details	Source: Agriculture Canada, Ottawa, ON Areas of permanent ice sheet or glaciers

Theme name/ File name	Field name Definitions	Source, description, comments
Total Rain (mm) ...TABLE\CANADA\LPDBCLIM.DBF joined to ...\\GEO\CANADA\LPDB.SHP	See Section 3.3.1.11 below for details See Section 3.1.1.6 below for details	Source: Agriculture Canada, Ottawa, ON Average total rainfall in millimeters (averaged for period between 1951 to 1980). In order for the LPDBCLIM.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2 .
Avg Maximum Temp. Same files as Total Rain (mm)	See Section 3.3.1.11 below for details	Source: Agriculture Canada, Ottawa, ON Average annual maximum temperature in degrees Celsius
Annual Mean Temp. Same files as Total Rain (mm)	See Section 3.3.1.11 below for details	Source: Agriculture Canada, Ottawa, ON Annual mean temperature in degrees Celsius
Avg Minimum Temp. Same files as Total Rain (mm)	See Section 3.3.1.11 below for details	Source: Agriculture Canada, Ottawa, ON Average annual minimum temperature in degrees Celsius
Provinces and Territories ...\\GEO\CANADA\PROV_96.SHP	See Section 3.3.1.11 below for details	Source: Natural Resources Canada, Ottawa, ON Boundaries of Canada's provinces and territories in 1996.
Greenland ...\\GEO\CANADA\GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\\GED\US\US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\\GEO\CANADA\OCEAN.SHP	See Section 3.1.6.15 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.5 United States themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.5.1 United States--Agriculture		
Theme name/ File name	Field name Definitions	Source, description, comments
State outlines ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This theme displays the boundaries of the 50 states and the District of Columbia. There are no statistical data presented here.
Major cities (United States) ...\GEO\US\ US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States (3,149 features). This theme includes demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major highways (United States) ...\GEO\US\ US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major lakes (United States) ...\GEO\US\ US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.
Major rivers (United States) ...\GEO\US\ US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from ESRI's ArcWorld database.
Total farms, 1992 (States) ...\TABLE\US\ AG_92ST.DBF joined to ...\GEO\US\ US_STATE.SHP	See Section 3.3.5.3 below for details See Section 3.1.5.13 below for details	Source: U.S. Bureau of the Census, Washington, DC. Total farms by state in 1992 (FARMS_92). The statistical data are for the 50 states and the District of Columbia. In order for the AG_92ST.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Average Farm Size, 1992 (States) Same files as Total farms, 1992 (States).	See Section 3.3.5.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Average farm size in acres in 1992 (AVGFRM92). The statistical data are for the 50 states and the District of Columbia. The data are presented in acres.

Theme name/ File name	Field name Definitions	Source, description, comments
Land in farms, 1992 (States) Same files as Total farms 92 (States).	See Section 3.3.5.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Number of acres used as farmland by state in 1992 (FRMACRES_92). The statistical data are for the 50 states and the District of Columbia.
Change in farms, 1987-92 (States) Same files as Total farms 92 (States).	See Section 3.3.5.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Change in the number of farms by state between 1987-92, (CHGFRM879). The statistical data are for the 50 states and the District of Columbia.
Total Farms, 1992 (Counties) ...\TABLE\US\ AG_92CO.DBF joined to ...\GEO\US\ US_CNTY.SHP	See Section 3.3.5.1 below for details See Section 3.1.5.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Total farms by county in 1992 (FARMS_92). The statistical data cover 3,140 counties and equivalent areas. In order for the AG_92CO.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Average Farm Size, 1992 (Counties) Same files as Total farms, 1992 (Counties).	See Section 3.3.5.1 below for details	Source: U.S. Bureau of the Census, Washington, DC. Average farm size in acres in 1992 (AVGFRM92). The statistical data cover 3,140 counties and equivalent areas. The data are presented in acres.
Land in farms, 1992 (Counties) Same files as Total farms, 1992 (Counties).	See Section 3.3.5.1 below for details	Source: U.S. Bureau of the Census, Washington, DC. Number of acres used as farmland by county in 1992 (FRMACRES92). The statistical data cover 3,140 counties and equivalent areas.
Change in farms, 1987-92 (Counties) Same files as Total farms, 1992 (Counties).	See Section 3.3.5.1 below for details	Source: U.S. Bureau of the Census, Washington, DC. Change in the number of farms by county between 1987-92 (CHGFRM879). The statistical data cover 3,140 counties and equivalent areas.
Federal lands (Non- BLM) ...\GEO\US\ FEDLAND.SHP	See Section 3.3.5.4 below for details	Source: ArcUSA, ESRI, Redlands, CA. Lands under the control of the federal government (in the conterminous 48 states). Includes areas such as national parks and monuments, national forests, and American Indian reservations.
Counties ...\GEO\US\ US_CNTY.SHP	See Section 3.1.5.6	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for counties of the United States.

Theme name/ File name	Field name Definitions	Source, description, comments
United States ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for states of the United States.
Canada ...\GEO\NAMERICA\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for the provinces/territories of Canada.
Mexico ...\GEO\NAMERICA\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for the states of Mexico.
Western Hemisphere countries ...\GEO\NAMERICA\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of countries in the western hemisphere. No descriptive information is presented.
Ocean ...\GEO\AMERICA\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Ocean represented by 30 x 30-degree grid.

2.3.5.2 United States—Population Change

Theme name/ File name	Field name Definitions	Source, description, comments
State Outlines ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This theme displays the boundaries of the 50 states and the District of Columbia. There are no statistical data presented here.
Major Cities (U.S.) ...\GEO\US\ US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States. Includes data on total population, capital status, and state location, and additional fields of basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major Highways (U. S.) ...\GEO\US\ US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major Lakes (U. S.) ...\GEO\US\ US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.

Theme name/ File name	Field name Definitions	Source, description, comments
Major Rivers (United States) ...\GEO\US\ US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This map layer highlights only major rivers of North America. It contains data for 56 different streams. The original data are from ESRI's ArcWorld database.
Pop. Change, 1990- 94 (State) ...\TABLE\US\ POPS9094.DBF joined to ...\GEO\US\ US_STATE.SHP	See Section 3.3.5.11 below for details See Section 3.1.5.13 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population change between 1990-94 by state as a percentage of the state's 1990 population (P_CHANGE). The statistical data are for the 50 states and the District of Columbia. In order for the POPS9094.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population, 1994 (State) Same files as Pop. Change, 1990-94	See Section 3.3.5.11 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1994 (POP_1994). The data are for the 50 states and the District of Columbia.
Population, 1990 (State) Same files as Pop. Change, 1990-94	See Section 3.3.5.11 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1990 (POP_1990). The data are for the 50 states and the District of Columbia.
Population, 1950 (State) ...\TABLE\US\ POP_200.DBF joined to ...\GEO\US\ US_STATE.SHP	See Section 3.3.5.7 below for details See Section 3.1.3.13 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1950 (POP_1950). The data are for the 50 states and the District of Columbia. In order for the POP_200.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population, 1900 (State) Same files as Population, 1950	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1900 (POP_1900). The data are for the 50 states and the District of Columbia.
Population, 1850 (State) Same files as Population, 1950	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1850 (POP_1850). The data are for the 50 states and the District of Columbia.
Population, 1800 (State) same files as Population, 1950	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1800 (POP_1800) from the data file POP_200.DBF. The data are for the 50 states and the District of Columbia.

Theme name/ File name	Field name Definitions	Source, description, comments
State Population, 1790-1990 same files as Population, 1950	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by state in 1800 (POP_1800). The data are for the 50 states and the District of Columbia.
Population, 1994 (Cnty) ...\\TABLE\\US\\POPC9094.DBF joined to ...\\GEO\\US\\US_CNTY.SHP	See Section 3.3.5.10 below for details See Section 3.1.5.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by county in 1994 (POP_1994). The statistical data cover 3,140 counties and equivalent areas. In order for the POPC9094.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Pop. Change, 1990-94 (Counties) Same files as Population, 1994 (Cnty)	See Section 3.3.5.10 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population change between 1990-94 by county as a percentage of the county's 1990 population (P_CHANGE). The statistical data are for the 50 states and the District of Columbia.
Population, 1990 (Cnty) Same files as Population, 1994 (Cnty)	See Section 3.3.5.10 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by county in 1990 (POP_1990). The statistical data cover 3,140 counties and equivalent areas.
Population, 1950 (Cnty) ...\\TABLE\\US\\CNTY0090.DBF joined to ...\\GEO\\US\\US_CNTY.SHP	See Section 3.3.5.4 below for details See Section 3.1.5.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by county in 1950 (POP_1950). The statistical data cover counties and equivalent areas. In order for the CNTY0090.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population, 1900 (Cnty) Same files as Population, 1950 (Cnty)	See Section 3.3.5.4 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population by county in 1900 (POP_1900). The statistical data cover counties and equivalent areas.
Counties (U.S.) ...\\GEO\\US\\US_CNTY.SHP	See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of U.S. counties. Contains no statistical information.
United States ...\\GEO\\US\\US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of U.S. states. Contains no statistical information.

Theme name/ File name	Field name Definitions	Source, description, comments
Canada ...\GEO\NAMERICA\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries of Canada's provinces/territories. Contains no statistical information.
Mexico ...\GEO\NAMERICA\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries of Mexico's states. Contains no descriptive information.
Western Hemisphere countries ...\GEO\NAMERICA\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for countries in the Western Hemisphere. Contains no descriptive information.
Ocean ...\GEO\AMERICA\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Ocean represented by 30 x 30-degree grid.

2.3.5.3 United States--Reference Map

Theme name/ File name	Field name Definitions	Source, description, comments
State Outlines ...\GEO\US\US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of the 50 states and the District of Columbia. There are no statistical data presented here.
State Capitals (U.S.) ...\GEO\US\US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Capital cities of the United States.
Major cities (United States) ...\GEO\US\US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States by population (3,149 features). This theme provides basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major Lakes (United States) ...\GEO\US\US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.
Major Rivers (United States) ...\GEO\US\US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from ESRI's ArcWorld database.

Theme name/ File name	Field name Definitions	Source, description, comments
Major Highways (United States) ...\\GEO\\US\\ US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Volcanoes ...\\GEO\\WORLD\\ VOLCANO.SHP	See Section 3.1.6.10 below for details	Source: Data +, Moscow, Russia. Active and potentially active volcano sites. It provides information on the name of the volcano (if available), country, and elevation (in meters).
Earthquakes, 1970-93 (U.S. only) ...\\GEO\\WORLD\\ US_QUAKE.SHP	See Section 3.1.5.10 below for details	Source: Data +, Moscow, Russia. Earthquake events occurring from 1970-1993 with a magnitude of 4.0 or greater. The original source of the data is the U.S. Geological Survey.
Faults ...\\GEO\\WORLD\\ FAULTS.SHP	See Section 3.1.6.2 below for details	Source: Data +, Moscow, Russia. Major faults on the continental land masses. It presents information for over 4,000 tectonic contact, thrust, step, and rift faults.
Pop. Density, 1990 (County) ...\\TABLE\\US\\ COUNTY.DBF Joined to ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.3.5.5 below for details See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Population density by county in 1990 (POP90_SQMI). The statistical data cover the 3,140 counties and equivalent areas. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the COUNTY.DBF fields to be mapped, these files must be joined to a geographic shape file for identical geography (the same 3,140 counties). For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Pop. Density, 1990 (State) ...\\TABLE\\US\\ ST_DATA.DBF joined to ...\\GEO\\US\\ US_STATE.SHP	See Section 3.3.5.12 below for details See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Population density by state in 1990 (POP90_SQMI). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the ST_DATA.DBF fields to be mapped, these files must be joined to a geographic shape file for identical geography (the same 51 state areas). For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Demographic Data (County) by Medhhinc89 Same files as Pop. Density 1990 (Cnty)	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Median household income by county in 1989 (MEDHHINC89). The statistical data cover the 50 states and the District of Columbia. The original source of the data is the U.S. Bureau of the Census, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
AIDS Data (State) by Aids_10195 ...\\TABLE\\US\\ USAIDS95.DBF joined to ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.3.5.15 below for details See Section 3.1.5.6 below for details	Source: Centers for Disease Control, Atlanta, GA. AIDS cases per 100,000 population in 1995 (AIDS_10195). In order for the USAIDS95.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 3,140 counties). For more information on file types and their functions, see <i>Section 1.2, Basic file types in ArcVoyager</i> .
Federal Lands (non-BLM) ...\\GEO\\US\\ FEDLAND.SHP	See Section 3.1.5.4 below for details	Source: ArcUSA, ESRI, Redlands, CA. Lands under the control of the federal government (in the conterminous 48 states). Includes areas such as national parks and monuments, national forests, and American Indian reservations.
Counties (U.S.) Same files as Population Density 1990 (Counties).	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. County boundaries of the United States.
States ...\\GEO\\US\\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. States boundaries of U.S. states.
Mexico ...\\GEO\\NAMERIC A\\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries of Mexico's states.
Canada ...\\GEO\\NAMERIC A\\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries of Canada's provinces/territories
Western Hemisphere countries ...\\GEO\\NAMERIC A\\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Boundaries for countries in the Western Hemisphere (not including the U.S., Mexico, and Canada). No statistical information is presented.
Ocean ...\\GEO\\NAMERICA \\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Ocean represented by 30 X 30-degree grid.

2.3.5.4 United States--Race and Ethnicity

Theme name/ File name	Field name Definitions	Source, description, comments
State Outlines ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This theme displays the boundaries of the 50 states and the District of Columbia. There are no statistical data presented here.
Major Cities (United States) ...\GEO\US\ US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in United States (populations 10,000 and over or state capitals). This theme includes basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major highways (United States) ...\GEO\US\ US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major Lakes (United States) ...\GEO\US\ US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.
Major Rivers (United States) ...\GEO\US\ US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from ESRI's ArcWorld database.
% African Am. 1990 (Cnty) ...\TABLE\US\ COUNTY.DBF Joined to ...\GEO\US\ US_CNTY.SHP	See Sections 3.3.5.5 below for details See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percent of the population, by county, that is African American origin as recorded in the 1990 Census, (P_BLACK). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the COUNTY.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
% African Am. 1990 (State) ...\TABLE\US\ ST_DATA.DBF joined to ...\GEO\US\ US_STATE.SHP	See Section 3.3.5.12 below for details See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by state, as recorded in the 1990 Census, (P_BLACK). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the ST_DATA.DBF fields to be mapped, the file must be joined to a geographic shape file for identical geography (the same 51 state areas). For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .

Theme name/ File name	Field name Definitions	Source, description, comments
Native Am. 1990 (Cnty) Same files as % African Am. 1990 (Cnty)	See Section 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is Native American, Eskimo or Aleut origin, by county, as recorded in the 1990 Census, (P_AMERI_ES). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Native Am. 1990 (State) Same files as % African Am. 1990 (State)	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percent of the population, by state, that is Native American, Eskimo or Aleut origin as recorded in the 1990 Census, (P_AMERI_ES). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Asian Am. 1990 (Cnty) Same files as % African Am. 1990 (Cnty)	See Section 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percent of the population, by county, that is Asian American or Pacific Islander origin as recorded in the 1990 Census, (P_ASIAN_PI). The statistical data cover the 50 states and the District of Columbia. The original source of the data is the Bureau of the Census, Washington, DC.
% Asian Am. 1990 (State) Same files as % African Am. 1990 (State)	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percent of the population, by state, that is Asian American or Pacific Islander origin as recorded in the 1990 Census, (P_ASIAN_PI). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the Bureau of the Census, Washington, DC.
% Hispanic 1990 (Cnty) Same files as % African Am. 1990 (Cnty)	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percent of the population, by county, that is Hispanic origin as recorded in the 1990 Census, (P_HISPANIC). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the Bureau of the Census, Washington, DC.
% Hispanic (State) Same files as % African Am. 1990 (State)	See Sections 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percent of the population, by state, that is Hispanic origin as recorded in the 1990 Census, (P_HISPANIC). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the Bureau of the Census, Washington, DC.
Counties Same files as % African Am. 1990 (Cnty)	See Section 3.3.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. County boundaries for the United States

Theme name/ File name	Field name Definitions	Source, description, comments
United States Same files as % African Am. 1990 (State)	See Sections 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. State boundaries for the United States
Canada ...\GEO\NAMERIC A\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for Canada's provinces/territories.
Mexico ...\GEO\NAMERIC A\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for Mexico's states.
Western Hemisphere countries ...\GEO\NAMERIC A\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Boundaries for countries in the Western. There are no statistical characteristics presented.
Ocean ...\GEO\NAMERIC A\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Ocean represented by 30 x 30-degree latitude and longitude. No descriptive information is presented.

2.3.6 *Prairies* themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.6.1 <i>Prairies</i>--Reference Map		
Theme name/ File name	Field name Definitions	Source, description, comments
Province Boundaries ...\GEO\CANADA\ PROV_96.SHP	See Section 3.1.1.10 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Language 1996 ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Relative proportions of the population that speak English, French and other languages in 1996. Original source of the data is Statistics Canada, Ottawa, ON
Language 1991 ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Relative proportions of the population that speak English, French and other languages in 1996. Original source of the data is Statistics Canada, Ottawa, ON

Theme name/ File name	Field name Definitions	Source, description, comments
Rural - Urban Pop. ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Relative proportions of the population that lives in rural and urban areas 1996. Original source of the data is Statistics Canada, Ottawa, ON
Population '91-96 ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Population in 1991 and 1996, by province. Original source of the data is Statistics Canada, Ottawa, ON
Places by Pop91 ...\GEO\PRAIRIE\ PR_PLACE.SHP	See Section 3.1.4.4 below for details	Source: Natural Resources Canada, Ottawa, ON Population in 1991 for cities and towns in Canada
Railways ...\GEO\PRAIRIE\ PR_RAIL.SHP	See Section 3.1.4.5 below for details	Source: Natural Resources Canada, Ottawa, ON Major rail lines in Canada
Roads ...\GEO\PRAIRIE\ PR_ROADS.SHP	See Section 3.1.4.7 below for details	Source: Natural Resources Canada, Ottawa, ON Major roads and highways in Canada
Rivers ...\GEO\PRAIRIE\ PR_RIVER.SHP	See Section 3.1.4.6 below for details	Source: Natural Resources Canada, Ottawa, ON Major rivers in Canada
Lakes ...\GEO\PRAIRIE\ PR_LAKE.SHP	See Section 3.1.4.2 below for details	Source: Natural Resources Canada, Ottawa, ON Major lakes in Canada
Prairie Background ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries for the provinces of Alberta, Saskatchewan, Manitoba.
Other Provinces ...\GEO\CANADA\ PROV_99.SHP	See Section 3.1.1.11 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Canada's provinces and territories
Greenland ...\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\ OCEAN.SHP	See Section 3.1.1.8 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.6.2 Prairies--Physical Environment

Theme name/ File name	Field name definitions	Source, description, comments
Province Boundaries ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Rivers ...\GEO\ PRAIRIE \ PR_RIVER.SHP	See Section 3.1.4.6 below for details	Source: Natural Resources Canada, Ottawa, ON Major rivers in Canada
Lakes ...\GEO\ PRAIRIE \ PR_LAKE.SHP	See Section 3.1.4.2 below for details	Source: Natural Resources Canada, Ottawa, ON Major lakes in Canada
Elevation (m) ...\GEO\ PRAIRIE \ PR_ELEV.SHP	See Section 3.1.4.1 below for details	Source: EROS Data Center, Sioux Falls, SD Elevation measured in meters above sea level.
Vegetation and Landuse ...\GEO\ PRAIRIE \ PR_VG_LU.SHP	See Section 3.1.4.8 below for details	Source: Agriculture Canada, Ottawa, ON Dominant vegetation and land cover types.
Daylight Hours – October ...TABLE\PRAIRIE\ CLIM5180.DBF joined to ...\GEO\PRAIRIE\ PR_LPDB.SHP	See Section 3.3.4.2 below for details See Section 3.1.4.3 below for details	Source: Agriculture Canada, Ottawa, ON Average hours of daylight per day in October (DAYLOCT), In order for the CLIM5180.DBF fields to be mapped, they must be joined to a geographic shapefile for the identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Mean Temp – October Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Mean temperature in degrees Celsius for July (TMEANOCT).
Daylight Hours – July Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Average hours of daylight per day in July (DAYLJUL).
Mean Temp – July Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Mean temperature in degree Celsius for July (TMEANJUL).

Theme name/ File name	Field name Definitions	Source, description, comments
Daylight Hours – January Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Average hours of daylight per day in January (DAYLJAN).
Mean Temp – January Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Mean temperature in degree Celsius for January (TMEANJAN).
Daylight Hours – April Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Average hours of daylight per day in April (DAYLAPR).
Mean Temp – April Same files as Daylight Hours – October	See Section 3.3.4.2 below for details	Source: Agriculture Canada, Ottawa, ON Mean temperature in degree Celsius for April (TMEANAPR).
Other Provinces ...\GEO\CANADA\ PROV_99.SHP	See Section 3.1.1.11 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Canada's provinces and territories
Greenland ...\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\ OCEAN.SHP	See Section 3.1.1.8 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.6.3 Prairies—Agriculture

Theme name/ File name	Field name Definitions	Source, description, comments
Province Boundaries ...\GEO\PRAIRIE\ PRAIRIE.SHP	See Section 3.1.4.9 below for details	Source: ArcCanada, ESRI Canada, North York, ON Boundaries of Canada's provinces and territories
Rivers ...\GEO\PRAIRIE\ PR_RIVER.SHP	See Section 3.1.4.6 below for details	Source: Natural Resources Canada, Ottawa, ON Major rivers in Canada
Lakes ...\GEO\PRAIRIE\ PR_LAKE.SHP	See Section 3.1.4.2 below for details	Source: Natural Resources Canada, Ottawa, ON Major lakes in Canada
Rainfall (during growing season) ...TABLE\ PRAIRIE \ AGRICULT.DBF joined to ...\GEO\ PRAIRIE \ PR_LPDB.SHP	See Section 3.3.4.1 below for details See Section 3.1.4.3 below for details	Source: Agriculture Canada, Ottawa, ON Mean rainfall in millimeters during the growing season (RAIN). The growing season varies in length by location. In order for the AGRICULT.DBF fields to be mapped, they must be joined to a geographic shapefile for the identical geography. For more information on file types and their functions, see Section 1.2 , <i>Basic file types in ArcVoyager</i> .
Growing Season Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average growing season length in days (AGSL).
Wheat Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average actual yield in kilograms per hectare for wheat (YLDWHT).
Barley Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average actual yield in kilograms per hectare for barley (YLDBAR).
Oats Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average actual yield in kilograms per hectare for oats (YLD OATS).
Canola Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average actual yield in kilograms per hectare for canola (YLDCAN).

Theme name/ File name	Field name Definitions	Source, description, comments
Flax Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average actual yield in kilograms per hectare for flax (YLDLFLAX).
Rye Same files as Rainfall (during growing season)	See Section 3.3.4.1 below for details	Source: Agriculture Canada, Ottawa, ON Average actual yield in kilograms per hectare for rye (YLDTRYE).
Other Provinces ...\GEO\CANADA\ PROV_99.SHP	See Section 3.1.1.11 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Canada's provinces and territories
Greenland ...\GEO\CANADA\ GREENLND.SHP	See Section 3.1.1.3 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for Greenland
USA ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Boundaries for the United States
Oceans ...\GEO\CANADA\ OCEAN.SHP	See Section 3.1.6.15 below for details	Source: ESRI Data and Maps, ESRI, Redlands, CA Ocean represented by 30 x 30-degree grid.

2.3.7 Georgia themes: Descriptions and sources

Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA\ . Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

2.3.7.1 Georgia--Agriculture		
Theme name/ File name	Field name definitions	Source, description, comments
State Outlines ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of United States. There are no statistical data presented.
County outlines ...\GEO\US\ US_CNTY.SHP	See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. County boundaries for the United States.
Georgia Cities ...\GEO\GEORGIA\ GA_PLACE.SHP	See Section 3.1.2.5 below for details	Source: U.S. Bureau of the Census, Washington, DC. Cities, towns, villages, and census designated places (CDPs) in Georgia as identified by the Census Bureau for the 1990 census.

Theme name/ File name	Field name Definitions	Source, description, comments
Georgia Rivers ...\GEO\GEORGIA\ SE_RIVER.SHP	See Section 3.1.2.7 below for details	Source: ArcUSA, ESRI, Redlands, CA. Perennial rivers and streams, braided rivers, ditches, canals, and shorelines (associated with major lakes). The original source is the U.S. Geological Survey, Washington, DC.
Total farms, 1992 (GA Cnty) ...\GEO\GEORGIA\ GA_FRM92.SHP	See Section 3.1.2.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Total farms by county in 1992 (FARMS_92). The statistical data cover 159 Georgia counties.
Land in farms, 1992 (GA Cnty) ...\GEO\GEORGIA\ GA_FRM92.SHP	See Section 3.1.2.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Acres of land in farms by county in 1992 (FRMACRES92). The statistical data cover 159 Georgia counties.
Farm size, 1992 (GA Cnty) ...\GEO\GEORGIA\ GA_FRM92.SHP	See Section 3.1.2.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Average farm size in acres, by county, in 1992 (AVGFRM92). The statistical data cover 159 Georgia counties.
Change in Farms, 1987-92 (GA Cnty) ...\GEO\GEORGIA\ GA_FRM92.SHP	See Section 3.1.2.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Change in the number of farms between 1987-92 by county (CHGFRM8792). The statistical data cover 159 Georgia counties.
Total farms, 1992 (Cnty) ...\TABLE\US\ AG_92CO.DBF joined to ...\GEO\US\ US_CNTY.SHP	See Section 3.3.5.1 below for details See Section 3.1.5.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Total farms, by county, in 1992 (FARMS_92). The statistical data cover 3,140 counties and equivalent areas. In order for the AG_92CO.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Average farm size, 1992 (Cnty) Same files as Total farms, 1992 (Cnty)	See Section 3.3.5.1 below for details	Source: U.S. Bureau of the Census, Washington, DC. Average farm size in acres, by county, in 1992 (AVGFRM92). The statistical data cover 3,140 counties and equivalent areas. The data are presented in acres.
Land in farms, 1992 (Cnty) Same files as Total farms, 1992 (Cnty)	See Section 3.3.5.1 below for details	Source: U.S. Bureau of the Census, Washington, DC. Acres of land in farms, by county, in 1992 (FRMACRS92). The statistical data cover 3,140 counties and equivalent areas.
Change in Farms, 1987-92 (Cnty) Same as Total farms, 1992 (Cnty)	See Section 3.3.5.1 below for details	Source: U.S. Bureau of the Census, Washington, DC. Change in the number of farms between 1987-92, by county (CHGFRMS879). The statistical data cover 3,140 counties and equivalent areas.

Theme name/ File name	Field name Definitions	Source, description, comments
Total Farms, 1992 (States) ...\\TABLE\\US\\AG_92ST.DBF Joined to ...\\GEO\\US\\US_STATE.SHP	See Section 3.3.5.3 below for details See Section 3.1.5.13 below for details	Source: U.S. Bureau of the Census, Washington, DC. Total farms, by state, in 1992 (FARMS_92). The statistical data are for the 50 states and the District of Columbia. In order for the AG_92ST.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Average Farm Size, 1992 (States) Same files as Total Farms, 1992 (States)	See Section 3.3.5.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Average farm size in acres, by state, in 1992 (AVGFRM92). The statistical data are for the 50 states and the District of Columbia. The data are presented in acres.
Land in farms 92 (States) Same files as Total Farms, 1992 (States)	See Section 3.3.5.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Acres of land in farms, by state, in 1992 (FRMACRS_92). The statistical data are for the 50 states and the District of Columbia.
Change in farms, 1987-92 (States) Same files as Total Farms, 1992 (States)	See Section 3.3.5.3 below for details	Source: U.S. Bureau of the Census, Washington, DC. Change in number of farms between 1987-92 by state (CHGFRM879). The statistical data are for the 50 states and the District of Columbia.
Federal lands (non-BLM) ...\\GEO\\US\\FEDLAND.SHP	See Section 3.1.5.4 below for details	Source: ArcUSA, ESRI, Redlands, CA. Lands under the control of the federal government (in the conterminous 48 states). Includes areas such as national parks and monuments, national forests, and American Indian reservations.
Major Cities ...\\GEO\\US\\US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States.
Major highways (United States) ...\\GEO\\US\\US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This theme displays the location of 147 major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major lakes (United States) ...\\GEO\\US\\US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.
Major rivers (United States) ...\\GEO\\US\\US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. This map layer highlights only major rivers of North America. It contains data for 56 different streams. The original data are from ESRI's ArcWorld database.

Theme name/ File name	Field name Definitions	Source, description, comments
Counties ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.1.5.6 Below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. County boundaries for the United States. There are no statistical data presented.
States ...\\GEO\\US\\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for the United States. There are no statistical data.
Canada ...\\GEO\\NAMERIC A\\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries of Canada's provinces/territories.
Mexico ...\\GEO\\NAMERIC A\\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries of Mexico's states.
Western Hemisphere countries ...\\GEO\\NAMERIC A\\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for 27 countries in the Western Hemisphere. There are no statistical characteristics presented.
Ocean ...\\GEO\\NAMERICA \\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Uses the 30 x 30-degree latitude and longitude grid to represent the world ocean in the Western Hemisphere. No descriptive information is available.

2.3.7.2 Georgia—Population Change

Theme name/ File name	Field name definitions	Source, description, comments
State outlines ...\\GEO\\US\\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of the 50 states and the District of Columbia. There are no statistical data presented.
County outlines ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. County boundaries for the United States.
Georgia Cities and Towns ...\\GEO\\GEORGIA\\ GA_PLACE.SHP	See Section 3.1.3.5 below for details	Source: U.S. Bureau of the Census, Washington, DC. Cities, towns, villages, and census designated places (CDPs) identified by the Census Bureau for the 1990 census. The theme includes population and number of housing units by county.
Pop. Change, 1990-94 (GA Cnty) ...\\GEO\\GEORGIA\\ GA_POP94.SHP	See Section 3.1.2.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Change in population between 1990-94 as a percentage of the total population, by county, for Georgia (CHG_9094). The statistical data cover 159 Georgia counties.

Theme name/ File name	Field name Definitions	Source, description, comments
Population, 1994 (GA Cnty) ...\GEO\GEORGIA\ GA_POP94.SHP	See Section 3.1.2.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1994, by county, for Georgia (POP_1994). The statistical data cover 159 Georgia counties.
Population, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_POP94.SHP	See Section 3.1.2.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1990, by county, for Georgia (POP_1990). The statistical data cover 159 Georgia counties.
Population, 1950 (GA Cnty) ...\GEO\GEORGIA\ GA_P0090.SHP	See Section 3.1.2.4 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1950, by county, for Georgia (POP_1950). The statistical data cover 159 Georgia counties. Although county boundaries are generally stable at the present time, there have been numerous splits, combinations, and changed borders during the 20th century (and before). Counties that did not exist in a particular decade have a missing value code of -99.
Population, 1900 (GA Cnty) ...\GEO\GEORGIA\ GA_P0090.SHP	See Section 3.1.2.4 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1900, by county, for Georgia (POP_1950). The statistical data cover 159 Georgia counties. Although county boundaries are generally stable at the present time, there have been numerous splits, combinations, and changed borders during the 20th century (and before). Counties that did not exist in a particular decade have a missing value code of -99.
Elevation image (GA) ...\IMAGE\ GA_STATE.TIF	See Section 3.2.13 below for details	Source: Chalk Butte Inc., Boulder, WY. Elevation and basic land forms. Color move from deep greens in the lower elevations to browns for the highest points. The original source of the data is the U.S. Geological Survey, Washington, DC.
County Population, 1990 ...\TABLE\US\ CNTY0090.DBF joined to ...\GEO\US\ US_CNTY.SHP	See Section 3.3.5.4 below for details See Section 3.1.5.6 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1990, by county (POP_1990). The statistical data cover 3,140 counties and equivalent areas. In order for the CNTY0090.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see <i>Section 1.2, Basic file types in ArcVoyager</i> .
County Population, 1900 Same files as Population, 1990 (Cnty)	See Section 3.3.5.4 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1900, by county (POP_1900). The statistical data cover 3,140 counties and equivalent areas.

Theme name/ File name	Field name Definitions	Source, description, comments
1990 Population (State) ...\\TABLE\\US\\POP_200.DBF Joined to ...\\GEO\\US\\US_STATE.SHP	See Section 3.3.5.7 below for details See Section 3.1.5.13 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1990, by state (POP_1990). The data are for the 50 states and the District of Columbia, 1790-1990. In order for the POP_200.DBF fields to map, the file must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see <u>Section 1.2, Basic file types in ArcVoyager</u> .
1950 Population (States) Same files as 1990 Population (State)	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1950, by state (POP_1950). The data are for the 50 states and the District of Columbia, 1790-1990.
1900 Population (States) Same files as 1990 Population (States)	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1900, by state (POP_1900). The data are for the 50 states and the District of Columbia, 1790-1990.
1850 Population (States) Same files as 1990 Population (States)	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1850, by state (POP_1850). The data are for the 50 states and the District of Columbia, 1790-1990.
1800 Population (States) Same files as 1990 Population (States)	See Section 3.3.5.7 below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1800, by state (POP_1800). The data are for the 50 states and the District of Columbia, 1790-1990.
Major cities (United States) ...\\GEO\\US\\US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States (populations 10,000 and over or state capitals). This theme contains basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major highways (United States) ...\\GEO\\US\\US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major lakes (United States) ...\\GEO\\US\\US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.

Theme name/ File name	Field name Definitions	Source, description, comments
Major rivers (United States) ...\GEO\US\ US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from ESRI's ArcWorld database.
Counties ...\GEO\US\ US_CNTY.SHP	See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of 3,140 counties and equivalent areas in the United States. There are no statistical data presented.
United States ...\GEO\US\ STATE.SHP	See Section 3.3.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. State boundaries for the United States. There are no statistical data.
Canada ...\GEO\NAMERIC A\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of Canada's provinces/territories.
Mexico ...\GEO\NAMERIC A\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of Mexico's states.
Western Hemisphere countries ...\GEO\NAMERIC A\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for countries/ areas in the Western Hemisphere. There are no statistical characteristics presented.
Ocean ...\GEO\AMERICA \WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Uses the 30 x 30-degree latitude and longitude grid to represent the world ocean in the Western Hemisphere. No descriptive information is available.

2.3.7.3 Georgia--Reference Map

Theme name/ File name	Field name Definitions	Source, description, comments
State Outlines ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of the 50 states and the District of Columbia. There are no statistical data presented.
County Outlines ...\GEO\US\ COUNTY.SHP	See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of the 3,140 county and equivalent areas in the United States. The original source of these data is the U.S. Bureau of the Census, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
Population, 1990 (GA Cities) ...\GEO\GEORGIA\ GA_CITY.SHP	See Section 3.1.2.1 Below for details	Source: U.S. Bureau of the Census, Washington, DC. Population in 1990 for the major cities in Georgia (POP1990). The theme contains other demographic information from the 1990 census.
GA Cities and Towns ...\GEO\GEORGIA\ GA_PLACE.DBF	See Section 3.1.2.5 below for details	Source: U.S. Bureau of the Census, Washington, DC. Cities, towns, villages, and census designated places (CDPs) identified by the Census Bureau for the 1990 census. The theme includes population and number of housing units by county.
Rivers (Georgia and adjacent states) ...\GEO\GEORGIA\ SE_RIVER.SHP	See Section 3.1.2.7 below for details	Source: ArcUSA, ESRI, Redlands, CA. Perennial rivers and streams as well as braided rivers, ditches, canals, and shorelines (associated with major lakes) for Georgia. The original source is the U.S. Geological Survey, Washington, DC.
Median Housing Value, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Median housing value in 1990 (in U.S. dollars), by county, for Georgia (MEDIAN_VAL). The statistical data cover 159 Georgia counties. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Age 5-17, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons between the ages of 5 and 17 as a percentage of the total population, by county, for Georgia (AGE_5_17 normalized by POP1990). The statistical data cover 159 Georgia counties. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Over Age 65, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons over age 65 as a percentage of the total population, by county, for Georgia (AGE_65_UP normalized by POP1990). The statistical data cover 159 Georgia counties. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Population, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Total population in 1990, by county, for Georgia (POP1990). The statistical data cover 159 Georgia counties. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Elevation image (Georgia) ...\IMAGE\ GA_STATE.TIF	See Section 3.2.13 below for details	Source: Chalk Butte Inc., Boulder, WY. Elevation and basic land forms. Color move from deep greens in the lower elevations to browns for the highest points. The original source of the data is the U.S. Geological Survey, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
Population density, 1990 (Cnty) ...\\TABLE\\US\\ COUNTY.DBF joined to ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.3.5.5 below for details See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons per square mile, by county, in 1990 (POP90_SQMI). The statistical data cover the 3,140 counties and equivalent areas. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the COUNTY.DBF fields to be mapped, these files must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Population density, 1990 (State) ...\\TABLE\\US\\ ST_DATA.DBF joined to ...\\GEO\\US\\ US_STATE.SHP	See Section 3.3.5.12 below for details See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons per square mile, by state, in 1990 (POP90_SQMI). The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the ST_DATA.DBF fields to be mapped, these files must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
Federal lands (non-BLM) ...\\GEO\\US\\ FEDLAND.SHP	See Section 3.3.5.4 below for details	Source: ArcUSA, ESRI, Redlands, CA. Lands under the control of the federal government (in the conterminous 48 states). Includes areas such as national parks and monuments, national forests, and American Indian reservations.
Major Cities (U.S.) ...\\GEO\\US\\ US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States (populations 10,000 and over or state capitals). This theme includes demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major highways (United States) ...\\GEO\\US\\ US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major lakes (United States) ...\\GEO\\US\\ US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.
Major rivers (United States) ...\\GEO\\US\\ US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from ESRI's ArcWorld database.
Counties (U.S.) ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.3.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for the 3,140 counties and equivalent areas. The original source of these data is the U.S. Bureau of the Census, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
States ...\\GEO\\US\\ US_STATE.SHP	See Section 3.3.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Canada ...\\GEO\\NAMERIC A\\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for Canada's provinces/territories.
Mexico ...\\GEO\\NAMERIC A\\ONE_MEX.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for Mexico's states.
Western Hemisphere countries ...\\GEO\\NAMERIC A\\WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for countries/areas in the Western. There are no statistical characteristics presented.
Ocean ...\\GEO\\NAMERICA \\WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Uses the 30 x 30-degree latitude and longitude grid to represent the world ocean in the Western Hemisphere. No statistical information is available.

2.3.7.4 Georgia--Race and Ethnicity

Theme name/ File name	Field name Definitions	Source, description, comments
State Outlines ...\\GEO\\US\\ US_STATE.SHP	See Section 3.3.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
County Outlines ...\\GEO\\US\\ US_CNTY.SHP	See Section 3.3.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for the 3,140 counties and equivalent areas in the United States.
African American Persons, (GA cities) ...\\GEO\\GEORGIA\\ GA_CITY.SHP	See Section 3.1.2.1 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons of African American origin, by city, as recorded in the 1990 census, (BLACK). This theme includes basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Native American Persons, (GA cities) ...\\GEO\\GEORGIA\\ GA_CITY.SHP	See Section 3.1.2.1 below for details	Persons of Native America, Eskimo or Aleut origin, by city, as recorded in the 1990 census, (AMERI_ES). This theme includes basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
Asian American Persons, (GA cities) ...\GEO\GEORGIA\GA_CITY.SHP	See Section 3.1.2.1 below for details	Persons of Asian American or Pacific Islander origin, by city, as recorded in the 1990 census (ASIAN_PI). This theme includes basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Hispanic Persons, (GA cities) ...\GEO\GEORGIA\GA_CITY.SHP	See Section 3.1.2.1 below for details	Persons of Hispanic origin, by city, as recorded in the 1990 census, (HISPANIC). This theme includes basic demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
% African American, 1990 (GA CNTY) ...\GEO\GEORGIA\GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (BLACK normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
African American Persons, 1990 (GA Cnty) ...\GEO\GEORGIA\GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons of African America origin, by county, as recorded in the 1990 Census, (BLACK). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Native American, 1990 (GA CNTY) ...\GEO\GEORGIA\GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is Native American, Eskimo or Aleut origin, by county, as recorded in the 1990 Census, (AMERI_ES normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Native American Persons, 1990 (GA Cnty) ...\GEO\GEORGIA\GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons of Native American, Eskimo or Aleut origin, by county, as recorded in the 1990 Census, (AMERI_ES). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Asian American, 1990 (GA Cnty) ...\GEO\GEORGIA\GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is Asian American or Pacific Islander origin, by county, as recorded in the 1990 Census, (ASIAN_PI normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Asian American Persons, 1990 (GA Cnty) ...\GEO\GEORGIA\GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons of Native American, Eskimo or Aleut origin, by county, as recorded in the 1990 Census, (AMERI_ES). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
% Hispanic, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is Hispanic origin, by county, as recorded in the 1990 Census, (HISPANIC normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Hispanic Persons, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons of Hispanic origin, by county, as recorded in the 1990 Census, (AMERI_ES). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Population Density, 1990 (GA Cnty) ...\GEO\GEORGIA\ GA_CODEM.SHP	See Section 3.1.2.2 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Persons per square mile, by county, in 1990 (POP_SQMI). The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% African American, 1990 (Cnty) ...\GEO\US\ COUNTY.DBF Joined to ...\GEO\US\ US_CNTY.SHP	See Section 3.3.5.5 below for details See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (BLACK normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the COUNTY.DBF fields to be mapped, these files must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
% Native American, 1990 (Cnty) same files as % African American, 1990 (Cnty)	See Section 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (AMERI_ES normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Asian American, 1990 (Cnty) same files as % African American, 1990 (Cnty)	See Section 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (ASIAN_PI normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Hispanic, 1990 (Cnty) same files as % African American, 1990 (Cnty)	See Section 3.3.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (HISPANIC normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.

Theme name/ File name	Field name Definitions	Source, description, comments
% African American, 1990 (State) ...\\GEO\US\ST_DATA.DBF Joined to ...\\GEO\US\US_STATE.SHP	See Section 3.1.5.12 below for details See Section 3.3.5.13	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (BLACK normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC. In order for the ST_DATA.DBF fields to be mapped, these files must be joined to a geographic shape file for identical geography. For more information on file types and their functions, see Section 1.2, Basic file types in ArcVoyager .
% Native American, 1990 (State) same files as % African American, 1990 (State)	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (AMERI_ES normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Asian American, 1990 (State) same files as % African American, 1990 (State)	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is African American origin, by county, as recorded in the 1990 Census, (ASIAN_PI normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
% Hispanic, 1990 (State) same files as % African American, 1990 (State)	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Percentage of the population that is Hispanic origin, by county, as recorded in the 1990 Census, (HISPANIC normalized by POP1990). The statistical data cover the 50 states and the District of Columbia. The original source of these data is the U.S. Bureau of the Census, Washington, DC.
Major cities (United States) ...\\GEO\US\US_CITY.SHP	See Section 3.1.5.5 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major cities in the United States (populations 10,000 and over or state capitals). This theme includes demographic data from the 1990 census. The original source is the Bureau of the Census, Washington, DC.
Major highways (United States) ...\\GEO\US\US_ROUTE.SHP	See Section 3.1.5.12 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major highways in the U.S. Most are interstates or similar limited access highways. The theme also provides the name/number of the route.
Major lakes (United States) ...\\GEO\US\US_LAKES.SHP	See Section 3.1.5.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major lakes and inland water bodies in the United States. The original data are from ESRI's ArcWorld database.

Theme name/ File name	Field name Definitions	Source, description, comments
Major rivers (United States) ...\GEO\US\ US_RIVER.SHP	See Section 3.1.5.11 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Major rivers of North America. The original data are from ESRI's ArcWorld database.
Counties (U.S.) ...\GEO\US\ US_CNTY.SHP	See Section 3.1.5.6 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of the 3,140 counties and equivalent areas in the United States. There are no statistical data presented.
United States ...\GEO\US\ US_STATE.SHP	See Section 3.1.5.13 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries of the 50 United States. There are no statistical data presented.
Canada ...\GEO\NAMERIC A\CANADA.SHP	See Section 3.1.3.1 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for Canada's provinces/territories.
Mexico ...\GEO\NAMERIC A\MEXICO.SHP	See Section 3.1.3.2 below for details	Source: ArcView 3.x Sample Data, ESRI, Redlands, CA. Boundaries for Mexico's states.
Western Hemisphere countries ...\GEO\NAMERIC A \WEST_HEM.SHP	See Section 3.1.3.8 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Boundaries for countries/areas in the Western. There are no statistical characteristics presented.
Ocean ...\GEO\AMERICA \WEST_OCN.SHP	See Section 3.1.3.9 below for details	Source: ArcView 2.x Sample Data, ESRI, Redlands, CA. Uses the 30 x 30-degree latitude and longitude grid to represent the world ocean in the Western Hemisphere. No statistical information is available.

2.4 Themes associated with *Creating New Worlds: Turn Me Loose*

The final section of ArcVoyager, *Creating New Worlds: Turn Me Loose*, lives up to its name. This section includes a project like you have seen in previous areas. However, this project provides you with a blank canvas on which to build your own map display. This project also provides you with all of the tools that you have become accustomed to using in the other projects.

From a data standpoint, all of the geographic shapefiles, map images, and statistical data files you have used to this point are available to you here. As you have seen throughout the previous pages, the directory (folder) paths have been included to show you the relationship between the map theme displayed in a project and its origin in the ArcVoyager data directories. There are additional data sets included for your exploration. These are geographic shape and statistical data files that have not been used in any previous project. They are stored in the same locations as the other files.

3. ArcVoyager data files: Field names and definitions

This section provides a detailed catalog of the contents of each ArcVoyager data file. The listing is divided into file segments which provide an inventory of the field names within a data file, a description of each, and supplementary notes where appropriate.

This section follows the ArcVoyager data directory structure. Files are listed alphabetic order. Note that all ArcVoyager geographic shape, map image, and statistical data files are contained in the following directory location, \VOYAGER\DATA\DATA. Specific files are contained in subdirectories within this structure. All listings below assume the above as the starting point.

3.1 GEO directory: Geographic shape files

3.1.1 \GEO\CANADA\ Canada shape files

3.1.1.1 CITIES.SHP		
Contents: Major cities and towns in Canada		
Source: ArcCanada, ESRI Canada, North York ON		
Field name	Description	Comments
SHAPE	Points	
NAME	City or town name	
POPCLASS	Numeric population class	
POPULATION	Range of population values	
TYPE_E	Place type	English. Indicates national capital and provincial capitals as well as city size
TYPE_F	Place type	Francais. Indicates national capital and provincial capitals as well as city size

3.1.1.2 ECOZONE.SHP		
Contents: Ecozone areas as defined in “An Ecological Framework for Canada”		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygons	
ECO_ZONE	Ecozone number	
AREA_KM	Area in square kilometers	
EN_NAME	Ecozone name	English
FR_NOM	Ecozone name	Francais
ZONE_GROUP	Zone group	

3.1.1.3 GREENLND.SHP		
Contents: Greenland national boundary		
Source: ESRI Data and Maps, ESRI, Redlands, CA		
Field name	Description	Comments
SHAPE	Polygon	
NAME	Name	English
NOM	Name	Francais

3.1.1.4 ICECAPS.SHP		
Contents: Areas of permanent ice sheet or glaciers		
Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
AREA_KM	Area in square kilometers	

3.1.1.5 LAKES.SHP		
Contents: Major lakes in Canada		
Source: ESRI Data and Maps, ESRI, Redlands, CA		
Field name	Description	Comments
SHAPE	Polygon	
AREA	Area in square kilometers	
NAME	Name	

3.1.1.6 LPDB.SHP		
Contents: Land Potential polygons		
Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
NEWSYMBOL	LPDB Symbol code	Used for join
ZONE	LDPD Soil Zone	Not used
AREA_KM	Area in square kilometers	

3.1.1.7 NUNAVUT.SHP		
Contents: Boundary of Nunavut		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
F_CODE	Feature code	From National Atlas of Canada
F_TYPE	Feature type	From National Atlas of Canada

3.1.1.8 OCEAN.SHP		
Contents: Background layer for Oceans		
Source: ESRI Data and Maps, ESRI, Redlands, CA		
Field name	Description	Comments
SHAPE	Polygon	
WRLD30_ID	Polygon code number	Not used

3.1.1.9 PARKS.SHP		
Contents: National parks and reserves in Canada		
Source: ArcCanada, ESRI Canada, North York, ON		
Parent: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
NAME	Name of park or reserve	From National Atlas of Canada
AREA_KM	Area in square kilometers	From National Atlas of Canada

3.1.1.10 PROV_96.SHP		
Contents: Province and territory boundaries in 1996		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
CODE	Province code	Used in join
NAME	Province/Territory name	English
NOM	Province/Territory name	Francais
AREA_KM	Area in square kilometers	
POP_1996	Population in 1996	

3.1.1.11 PROV_99.SHP		
Contents: Province and territory boundaries as of April 1, 1999		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
NAME	Province/Territory name	English
NOM	Province/Territory name	Francais
AREA_KM	Area in square kilometers	
POP_1999	Population in 1999	Population value is 1998 for some provinces

3.1.1.12 RIVERS.SHP		
Contents: Major rivers in Canada		
Source: ESRI Data and Maps, ESRI, Redlands, CA		
Field name	Description	Comments
SHAPE	Polyline	
NAME	River name	English and Francais
SYSTEM	Major river system	

3.1.1.13 ROADS.SHP		
Contents: Major roads and highways in Canada		
Source: ESRI Data and Maps, ESRI, Redlands, CA		
Field name	Description	Comments
SHAPE	Polyline	
LENGTH	Length of road segment in kilometers	
TYPE	Type of road or highway	
ADMN_CLASS	Administrative class	
TOLL_RD	Indicates if road is toll road	
RTE_NUM1	Route number	Primary route number
RTE_NUM2	Route number	Secondary route number if one exists
ROUTE	Name of road or highway	

3.1.2 \GEO\GEORGIA\ Georgia shapefiles

3.1.2.1 GA_CITY.SHP Contents: Georgia city and town (populations 10,000+) locations and 1990 demographics Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing Scales: Best displays—variable for point data by size of symbol. Number: 66 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature—point, line, or polygon.
CITY_NAME	Place name	
STATE_FIPS	A two-digit state code; Georgia's code is 13.	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
STATE_NAME	State name	
STATE_CITY	Census Bureau code for a place	
TYPE	Type of place	Identification as a city, town, village, or census designated place (CDP) in the 1990 census.
CAPITAL	State capital	
ELEVATION	Elevation	In feet. -99 used where elevation unknown.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
MALES	Male population, 1990	
FEMALES	Female population, 1990	
WHITE	White population, 1990	This is a racial classification and includes persons who might have identified themselves by ancestral or ethnic heritage that is viewed as white, such as Italian, Irish, Greek, Russian, Spanish, and so on.
BLACK	African American population, 1990	Includes persons who classified themselves as Black, Negro, or similarly.
AMERI_ES	Native American population, 1990	Includes the following groups only: American Indians, Eskimos, and Aleuts.
ASIAN_PI	Asian-Pacific Islander population, 1990	Includes groups such as Chinese, Filipinos, Japanese, Samoan, Hawaiian, Korean, Asian Indians. Does not include white populations from places like Australia, New Zealand, Hong Kong.

Field name	Description	Comments
OTHER	Other population, 1990	In the 1990 census, this was the only way the Census Bureau had to identify multiracial persons. This category also includes persons who did not classify themselves or who provided confusing information.
HISPANIC	Hispanic American population, 1990	Includes persons who identified themselves as Mexican American, Puerto Rican, Cuban as well as Salvadoran, Chilean, and so forth. This category is a measure of ethnicity and is not one of the basic race categories.
AGE_UNDER5	Population age 0-4, 1990	
AGE_5_17	Population age 5-17, 1990	Generally seen as the school-age population.
AGE_18_64	Population age 18-64, 1990	Generally seen as the working-age population.
AGE_65_UP	Population age 65 and up, 1990	
NEVERMARRY	Never married population, 1990	Single population. Includes persons age 15 and over.
MARRIED	Married population, 1990	Includes persons age 15 and over.
SEPARATED	Separated population, 1990	Includes persons age 15 and over.
WIDOWED	Widowed population, 1990	Includes persons age 15 and over.
DIVORCED	Divorced population, 1990	Includes persons age 15 and over.
HSEHLD_1_M	1-person male households, 1990	
HSEHLD_1_F	1-person female households, 1990	
MARHH_CHD	Married households with children, 1990	
MARHH_NO_C	Married households with no children, 1990	
MHH_CHILD	Male single-parent households with children, 1990	
FHH_CHILD	Female single-parent households with children, 1990	
HSE_UNITS	Total housing units, 1990	Includes single-family homes, apartments, condominiums, and the like. Does not include dormitories, prisons, military barracks, and so on.
VACANT	Vacant housing units, 1990	
OWNER_OCC	Owner-occupied housing units, 1990	Housing units that are owned or are mortgaged.
RENTER_OCC	Renter-occupied housing units, 1990	
MEDIAN_VAL	Median value of owner-occupied housing, 1990	In dollars. Median means that 50 percent of the units are above the value and 50 percent below.

Field name	Description	Comments
MEDIANRENT	Median monthly rent, 1990	In dollars. See median definition above.
UNITS_1DET	Single-household detached housing units, 1990	For instance, a single-family home with a yard.
UNITS_1ATT	Single-household attached housing units, 1990	Includes units such as town homes, condominiums, and the like.
UNITS2	Two-household attached housing structures, 1990	Includes duplexes.
UNITS3_9	Housing structures for 3-9 households, 1990	For instance, an apartment building.
UNITS10_49	Housing structures for 10-49 households, 1990	For instance, an apartment building.
UNITS50_UP	Housing structures for 50 or more households, 1990	For instance, an apartment building.
MOBILEHOME	Mobile homes, 1990	Includes trailers, mobile homes, and other manufactured housing.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
P_MALES	Male population, 1990	As a percent of total population.
P_FEMALES	Female population, 1990	As a percent of total population.
P_WHITE	White population, 1990	As a percent of total population.
P_BLACK	African American population, 1990	As a percent of total population.
P_AMERI_ES	Native American population, 1990	As a percent of total population.
P_ASIAN_PI	Asian-Pacific Islander population, 1990	As a percent of total population.
P_OTHER	Other population, 1990	As a percent of total population.
P_HISPANIC	Hispanic American population, 1990	As a percent of total population.
P_UNDER5	Population age 0-4, 1990	As a percent of total population.
P_5_17	Population age 5-17, 1990	As a percent of total population.
P_18_64	Population age 18-64, 1990	As a percent of total population.
P_65_UP	Population age 65 and up, 1990	As a percent of total population.
P_NEVMARRY	Never married population, 1990	As a percent of total population age 15 and up.
P_MARRIED	Married population, 1990	As a percent of total population age 15 and up.
P_SEPARATE	Separated population, 1990	As a percent of total population age 15 and up.
P_WIDOWED	Widowed population, 1990	As a percent of total population age 15 and up.
P_DIVORCED	Divorced population, 1990	As a percent of total population age 15 and up.

Field name	Description	Comments
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
P_HH_1_M	1-person male households, 1990	As a percent of total households.
P_HH_1_F	1-person female households, 1990	As a percent of total households.
P_MARHHCHD	Married households with children, 1990	As a percent of total households.
P_MARHHNOC	Married households with no children, 1990	As a percent of total households.
P_MHHCHILD	Male single-parent households with children, 1990	As a percent of total households.
P_FHHCHILD	Female single-parent households with children, 1990	As a percent of total households.
HSE_UNITS	Total housing units, 1990	
P_VACANT	Vacant housing units, 1990	As a percent of total housing units.
P_OWNEROCC	Owner-occupied housing units, 1990	As a percent of total housing units.
P_RENTOCC	Renter-occupied housing units, 1990	As a percent of total housing units.
P_UNIT1DET	Single-household detached housing units, 1990	As a percent of total housing units.
P_UNIT1ATT	Single-household attached housing units, 1990	As a percent of total housing units.
P_UNITS2	Two-household attached housing structures, 1990	As a percent of total housing units.
P_UNITS3_9	Housing structures for 3-9 households, 1990	As a percent of total housing units.
P_UNITS10_49	Housing structures for 10-49 households, 1990	As a percent of total housing units.
P_UNITS50_UP	Housing structures for 50 or more households, 1990	As a percent of total housing units.
P_MOBILEHM	Mobile homes, 1990	As a percent of total housing units.

3.1.2.2 GA_CODEM.SHP Contents: Georgia county boundaries and 1990 demographics Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing Scales: Best displays--largest, 1:5,000,000; smallest, 1:20,000,000. Number: 159 counties.		
Field name	Description	Comments
SHAPE	Polygon (counties)	Refers to type of feature—point, line, or polygon.
FIPS	A five-digit county code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
NAME	County name	
STATE_NAME	State name	
STATE_FIPS	A two-digit state code	Georgia's code is 13
CNTY_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
POP90_SQMI	Population density, 1990	Represents the average number of people per square mile of land area.
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
MALES to P_MOBILEHM	All other data fields	Field names, descriptions, and comments for GA_CODEM.SHP match those listed in GA_CITY.SHP. See Section 3.1.1.1 above.

3.1.2.3 GA_FRM92.SHP Contents: Georgia county boundaries and 1982-1992 agriculture statistics Source: U.S. Bureau of the Census, Washington, DC 1992 Census of Agriculture Scales: Best displays--largest, 1:5,000,000; smallest, 1:20,000,000. Number: 159 counties.		
Field name	Description	Comments
SHAPE	Polygon (counties)	Refers to type of feature—point, line, or polygon.
COUNTY_NAM	County name	
STATE	State name	
STATE_FIPS	A two-digit state code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Georgia's FIPS code is 13.
CNTY_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
FIPS	A five-digit county code	Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
AVGFRM92	Average farm size, 1992	Average number of acres per farm in that geographic area.
AVGFRM87	Average farm size, 1987	Average number of acres per farm in that geographic area.
AVGFRM82	Average farm size, 1982	Average number of acres per farm in that geographic area.
FARMS_92	Total farms, 1992	Includes family, co-op, and corporate entities with sales of \$1,000 or more.
FARMS_87	Total farms, 1987	Includes family, co-op, and corporate entities with sales of \$1,000 or more.
FARMS_82	Total farms, 1982	Includes family, co-op, and corporate entities with sales of \$1,000 or more.
FRMACRES92	Total land in farms, 1992	In acres.
FRMACRES87	Total land in farms, 1987	In acres.
FRMACRES82	Total land in farms, 1982	In acres.
CHGAVG8792	Change in farm size, 1987-92	Represents the change in the average number of acres per farm in that geographic area.
CHGFRM8792	Change in total farms, 1987-92	Represents the change in the number of farms in that geographic area.
CHGACR8792	Change in farm acres, 1987-92	Represents the change in the number of acres in farms in that geographic area.

3.1.2.4 GA_P0090.SHP Contents: Georgia county boundaries and 1900-1990 populations Source: U.S. Bureau of the Census, Washington, DC 1900-1990 Census of Population Scales: Best displays--largest, 1:5,000,000; smallest, 1:20,000,000. Number: 159 counties.		
Field name	Description	Comments
SHAPE	Polygon (counties)	Refers to type of feature—point, line, or polygon.
COUNTY	County name	
STATE	State name	
POP_1990	Total population, 1990	Although county boundaries are generally stable at present, there have been numerous splits, combinations, and changed borders during the 20th century. Counties that did not exist in a decade have a missing value code of -99.
POP_1980 to POP_1900	Total population, 1980 to total population, 1900	See comments in POP_1990 segment above.

3.1.2.5 GA_PLACE.SHP Contents: Georgia city and town locations and 1990 population and housing counts Source: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing Scales: Best displays--variable for point data by size of symbol. Number: 599 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature—point, line, or polygon.
AREANAME	Place name	
CLASS	Type of place	Identification as a city, town, village, or census designated place (CDP) in the 1990 census.
ST	State name	
STFIPS	A two-digit state code; Georgia's code is 13.	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
HUCNT100	Housing unit count, 1990	Includes both occupied and vacant units.
POP100	Total population, 1990	1990 census enumeration; not sample survey.
POP_CL	Population size class	1=0-249, 2=250-499, 3=500-999, 4=1000-2499, 5=2500-9999, 6=10000-49999, 7=50000-99999, 8=100000-499999, 9=500000-999999, 10=1000000+.

3.1.2.6 GA_POP94.SHP Contents: Georgia county boundaries and 1990-1994 populations Source: U.S. Bureau of the Census, Washington, DC Federal-State Cooperative Program for Population Estimates Scales: Best displays--largest, 1:5,000,000; smallest, 1:20,000,000. Number: 159 counties.		
Field name	Description	Comments
SHAPE	Polygon (counties)	Refers to type of feature—point, line, or polygon.
COUNTY	County name	
STATE	State name	
POP_1990	Total population, 1990	
POP_1994	Estimated population, 1994	
CHG_9094	Population change, 1990-94	As a percent.

3.1.2.7 SE_RIVER.SHP Contents: River and stream locations (Georgia and adjacent states) Source: ArcUSA, ESRI, Redlands, CA Parent: U.S. Geological Survey, Reston, VA Digital Line Graph series Scales: Best displays--largest, 1:2,000,000; smallest, 1:10,000,000. Number: 3,458 river and stream segments.		
Field name	Description	Comments
SHAPE	Line (rivers/streams)	Refers to type of feature—point, line, or polygon.
TYPE	Number code for river type	For example, 3 = single-line perennial stream, 7 = braided stream, 8 = navigable canal
RIVER_TYPE	Name code for river type	For example, single-line perennial stream, braided stream, navigable canal
STATE_FIPS	A two-digit state code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Georgia's FIPS code is 13.
STATE_NAME	State name	Associated with river segments within a state.
SUB_REGION	Sub-region of the country	Census divisions--S. Atlantic, East South Central.

3.1.3 \GEO\NAMERICA\ North America shapefiles

3.1.3.1 CANADA.SHP Contents: Canadian province/territory boundaries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:20,000,000. Number: 10 provinces, 2 territories.		
Field name	Description	Comments
SHAPE	Polygon (provinces/territories)	Refers to type of feature—point, line, or polygon.
CODE	Special four-character province/territory code	Similar to a FIPS code. These are codes given to standardize geographic data recording.
NAME	Province/territory name	

3.1.3.2 MEXICO.SHP Contents: Mexican state boundaries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25,000,000. Number: 32 states.		
Field name	Description	Comments
SHAPE	Polygon (states)	Refers to type of feature—point, line, or polygon.
CODE	Special four-character province/territory code	Similar to a FIPS code. These are codes given to standardize geographic data recording.
NAME	State name	

3.1.3.3 MXCA_CIT.SHP Contents: Major Mexican/Canadian city locations and populations Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: INEGI, Aguascalientes, Mexico Statistics Canada, Ottawa, Canada Scales: Best displays--variable for point data by size of symbol. Number: 61 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature—point, line, or polygon.
NAME	City name	
CAPITAL	Capital status	C= national capital, Y= provincial/territorial/state capital, N= not a capital.
PROV_NAME	Name of province, territory, or state	
POPULATION	Total population	Mexico = 1990, Canada = 1991.

3.1.3.4 NA_LAKES.SHP Contents: Major North American lake boundaries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25,000,000. Number: 71 lakes (7 are double entries).		
Field name	Description	Comments
SHAPE	Polygon (lakes)	Refers to type of feature—point, line, or polygon.
NAME	Lake name	
COUNTRY	Country name	Border lakes are listed twice--Canada and the U.S.

3.1.3.5 NA_RIVER.SHP Contents: Major North American river locations Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25,000,000. Number: 145 rivers (16 are double entries).		
Field name	Description	Comments
SHAPE	Line (rivers)	Refers to type of feature—point, line, or polygon.
NAME	River name	
SYSTEM	River system name	Only where appropriate.
COUNTRY	Country name	Border rivers listed twice—Canada and the U.S., the U.S. and Mexico.

3.1.3.6 NA_ROADS.SHP Contents: Major North American highway locations Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25,000,000. Number: 295 highways.		
Field name	Description	Comments
SHAPE	Line (roads)	Refers to type of feature—point, line, or polygon.
ROUTE	Route name	
COUNTRY	Country name	

3.1.3.7 WEST_FAU.SHP Contents: Major continental fault line locations (Western Hemisphere) Source: Data Plus, Moscow, Russia Scales: Best displays--largest, 1:20,000,000; smallest, 1:35,000,000. Number: 1,310 fault line segments.		
Field name	Description	Comments
SHAPE	Line (fault lines)	Refers to type of feature—point, line, or polygon.
FAULTS_ID	Number code	Numeric code for each fault line identified.
TYPE	Type of fault	Codes include tectonic contact, thrust fault, step, and rift. Depicts only relatively large faults that show the geologic structure of the continents. No specific names are included.

3.1.3.8 WEST_HEM.SHP Contents: Boundaries of Western Hemisphere countries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:10,000,000; smallest, 1:75,000,000. Number: 27 countries/areas (excludes Canada, U.S., Mexico).		
Field name	Description	Comments
SHAPE	Polygon (countries)	Refers to type of feature—point, line, or polygon.
NAME	Country name	Spellings are based on Board of Geographic Names standards and commercial atlases.
ABBREVNNAME	Abbreviated country name	
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording.
WB_CNTRY	Three-letter alphabetic country code	Similar to a FIPS code, these codes were created by the World Bank.

3.1.3.9 WEST_OCN.SHP Contents: 30 x 30 latitude/longitude grid for Western Hemisphere Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:25,000,000; smallest, 1:200,000,000. Number: 30 grid cells.		
Field name	Description	Comments
SHAPE	Polygon (latitude/longitude grids)	Refers to type of feature—point, line, or polygon.
LAT_LONG	30 x 30 latitude/longitude grids	Example: N90-60, W180-150

3.1.3.10 WEST_QUA.SHP		
Contents: Major earthquake locations in Western Hemisphere, 1970-93		
Source: Data +, Moscow, Russia		
Parent: U.S. Geological Survey, Reston, VA		
Scales: Best displays--variable for point data by size of symbol.		
Number: 2,595 events.		
Field name	Description	Comments
SHAPE	Point (quake epicenters)	Refers to type of feature—point, line, or polygon.
MAGNITUDE	Richter scale value	Values range from 4.0 to 8.2 and only include events from 1970-1993.
DEPTH	Depth of earthquake focus	In kilometers.
YEAR	Year	
MONTH	Month	As a number.
DAY	Day	

3.1.3.11 WEST_VOL.SHP		
Contents: Major volcano locations in Western Hemisphere		
Source: Data Plus, Moscow, Russia		
Scales: Best displays--variable for point data by size of symbol.		
Number: 300 sites.		
Field name	Description	Comments
SHAPE	Point (volcanoes)	Refers to type of feature—point, line, or polygon.
NAME	Name of volcano	May be the name of the volcano, mountain, or similar landform. Many are simply named submarine volcanoes.
ELEV_M	Elevation	In meters.
TYPE	Type or status of volcano	Codes include active, non-active, and solfatara stage (gases and vapors).
COUNTRY	Name of country	Country that controls the associated land or area. Many ocean and island volcanoes carry no country association.

3.1.4 \GEO\PRAIRIE\: Prairies shape files

3.1.4.1 PR_ELEV.SHP		
Contents: Elevation above sea level		
Source: EROS Data Center, Sioux Falls, SD		
Field name	Description	Comments
SHAPE	Polygon	
GRIDCODE	Grid code	Not used
ELEV_RANG	Elevation values in meters	

3.1.4.2 PR_LAKE.SHP		
Contents: Major lakes and wide rivers		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
NAME	Name	

3.1.4.3 PR_LPDB.SHP		
Contents: Land Potential Database		
Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
AREA_KM	Area of zone in square kilometers	
HECTARES	Area of zone in hectares	
NEWSYMBOL	LPDB symbol code	
MAPUNIT	LPDB symbol code	Used in join
ZONE	LPDB zone	Not used

3.1.4.4 PR_PLACE.SHP		
Contents: Cities and towns with 1991 population values		
Source: Natural Resources Canada		
Field name	Description	Comments
SHAPE	Point	
LAT	Latitude	Format is DDMMSS
LONG	Longitude	Format is DDDMMSSS
POP91	Population in 1991	
NAME	Place name	English and Francais

3.1.4.5 PR_RAIL.SHP		
Contents: Major rail lines in Canada		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
F_CODE	Feature code	Rail type
COMPANY	Rail line owner	

3.1.4.6 PR_RIVER.SHP		
Contents: Major rivers in Canada		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polyline	
RIVER_TYPE	River type	English
RIVER_T_F	River type	Francais
NAME	River name	English and Francais

3.1.4.7 PR_ROADS.SHP		
Contents: Major roads in Canada		
Source: Natural Resources Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polyline	
F_CODE	Feature code	Road type
NAME_E	Road name	English
NAME_F	Road name	Francais

3.1.4.8 PR_VG_LU.SHP		
Contents: Dominant landuse and vegetation		
Source: Canadian Soils Information Service		
Parent: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
E_VG_LNDUS	Vegetation cover and landuse	English
F_VG_LNDUS	Vegetation cover and landuse	Francais

3.1.4.9 PRAIRIE.SHP		
Contents: Prairie province boundaries with selected demographic information Source: ArcCanada, ESRI Canada, North York, ON Parent: Statistics Canada, Ottawa, ON		
Field name	Description	Comments
SHAPE	Polygon	
PROVINCE	Province name	English
POP_96	Total population in 1996	
POP_URB96	Urban population, 1996	
POP_RUR96	Rural population, 1996	
T_AREA_KM	Total area in square kilometers	
AR_WATR_KM	Area of water in square kilometers	
POP_91	Total population, 1991	
ENG_91	Total English speaking persons, 1991	
FRE_91	Total French speaking persons, 1991	
OTH_91	Total persons speaking non-official language, 1991	
ENG_96	Total English speaking persons, 1996	
FRE_96	Total French speaking persons, 1996	
OTH_96	Total persons speaking non-official language, 1996	

3.1.5 \GEO\US\ United States shape files

3.1.5.1 C100250K.SHP Contents: U.S. city locations with 1990 populations of 100-250,000 Source: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing Scales: Best displays--variable for point data by size of symbol. Number: 136 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature--point, line, or polygon.
AREANAME	Place name	
CLASS	Type of place	Identification as a city, town, village, or census designated place (CDP) in the 1990 census.
STATE	State name	
PLACE_CODE	Census Bureau code for a place	
ST_FIPS	A two-digit state code; Georgia's code is 13.	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording.
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds.
LONG	Longitude	Decimal degree. Note the minus sign; indicates a longitude west of the Prime Meridian.
HUCNT100	Housing unit count, 1990	Includes both occupied and vacant units.
POP100	Total population, 1990	1990 census enumeration; not sample survey.
POP_CLASS	Population size class	1 = 0-249, 2 = 250-499, 3 = 500-999, 4 = 1000-2499, 5 = 2500-9999, 6 = 10000-49999, 7 = 50000-99999, 8 = 100000-499999, 9 = 500000-999999, 10 = 1000000+. Places of 2,500 or more people are considered urban places.
LANDSQKM	Land area, square kilometers	
WATERSQKM	Water area, square kilometers	
LANDSQMI	Land area, square miles	
WATERSQMI	Water area, square miles	

3.1.5.2 C250500K.SHP		
Contents: U.S. city locations with 1990 populations of 250-500,000		
Source: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing		
Scales: Best displays--variable for point data by size of symbol.		
Number: 41 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature--point, line, or polygon.
AREANAME to WATERSQMI		See the field names and descriptions above for C100250K.SHP.

3.1.5.3 C500KPLS.SHP		
Contents: U.S. city locations with 1990 populations of 500,000 and over		
Source: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing		
Scales: Best displays--variable for point data by size of symbol.		
Number: 23 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature--point, line, or polygon.
AREANAME to WATERSQMI		See the field names and descriptions above for C100250K.SHP.

3.1.5.4 FEDLAND.SHP		
Contents: Boundaries of U.S. federal lands in the conterminous 48 states (without Bureau of Land Management lands)		
Source: ArcUSA, ESRI, Redlands, CA		
Parent: U.S. Geological Survey, Reston, VA Digital Line Graph series.		
Scales: Best displays--largest, 1:2,000,000; smallest, 1:10,000,000.		
Number: 2,567 sites.		
Field name	Description	Comments
SHAPE	Polygon (federal areas)	Refers to type of feature--point, line, or polygon.
TYPE1	Numeric codes for type of federal area	1=park, monument, etc. 2=wildlife refuge, etc. 3=waterway or wilderness area. 4=American Indian reservation. 5=military reservation. 6=national forest or grassland.
ADMN_TYPE1	Generic names for federal land areas	There are six major area categories as listed above in TYPE1. This theme does not provide names.

Field name	Description	Comments
STATE_FIPS	A two-digit state code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Georgia's FIPS code is 13.
STATE_NAME	State name	
SUB_REGION	Census Bureau divisions	These state groupings are New England, Middle Atlantic, South Atlantic, East North Central, West North Central, East South Central, West South Central, Mountain, and Pacific.

3.1.5.5 US_CITY.SHP Contents: U.S. city (populations 10,000+) locations and 1990 demographics Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing Scales: Best displays--variable for point data by size of symbol. Number: 3,149 places.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature--point, line, or polygon.
CITY_FIPS	FIPS code	FIPS stands for Federal Information Processing Standards. This code can be used to join tables to this shapefile.
CITY_NAME	Place name	
STATE_FIPS	A two-digit state code; Georgia's code is 13.	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
STATE_NAME	State name	
STATE_CITY	Census Bureau code for a place	
TYPE	Type of place	Identification as a city, town, village, or census designated place (CDP) in the 1990 census.
CAPITAL	State capital	
ELEVATION	Elevation	In feet. -99 used where elevation unknown.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
MALES	Male population, 1990	

Field name	Description	Comments
FEMALES	Female population, 1990	
WHITE	White population, 1990	This is a racial classification and includes persons who identified themselves by ancestral or ethnic heritage that is viewed as white.
BLACK	African American population, 1990	Includes persons who classified themselves as Black, Negro, or similarly.
AMERI_ES	Native American population, 1990	Includes the following groups only: American Indians, Eskimos, and Aleuts.
ASIAN_PI	Asian-Pacific Islander population, 1990	Includes groups such as Chinese, Filipinos, Japanese, Samoan, Hawaiian, Korean, Asian Indians. Does not include white populations from places like Australia, New Zealand, Hong Kong.
OTHER	Other population, 1990	In the 1990 census, this was the only way the Census Bureau had to identify multiracial persons. This category also includes persons who did not classify themselves or who provided confusing information.
HISPANIC	Hispanic American population, 1990	Includes persons who identified themselves as Mexican American, Puerto Rican, Cuban as well as Salvadoran, Chilean, and so forth. This category is a measure of ethnicity and is not one of the basic race categories.
AGE_UNDER5	Population age 0-4, 1990	
AGE_5_17	Population age 5-17, 1990	Generally seen as the school-age population.
AGE_18_64	Population age 18-64, 1990	Generally seen as the working-age population.
AGE_65_UP	Population age 65 and up, 1990	
NEVERMARRY	Never married population, 1990	Single population. Includes persons age 15 and over.
MARRIED	Married population, 1990	Includes persons age 15 and over.
SEPARATED	Separated population, 1990	Includes persons age 15 and over.
WIDOWED	Widowed population, 1990	Includes persons age 15 and over.
DIVORCED	Divorced population, 1990	Includes persons age 15 and over.
HSEHLD_1_M	1-person male households, 1990	
HSEHLD_1_F	1-person female households, 1990	
MARHH_CHD	Married households with children, 1990	
MARHH_NO_C	Married households with no children, 1990	
MHH_CHILD	Male single-parent households with children, 1990	
FHH_CHILD	Female single-parent households with children, 1990	

Field name	Description	Comments
HSE_UNITS	Total housing units, 1990	Includes single-family homes, apartments, condominiums, and the like. Does not include dormitories, prisons, military barracks, and so on.
VACANT	Vacant housing units, 1990	
OWNER_OCC	Owner-occupied housing units, 1990	Housing units that are owned or are mortgaged.
RENTER_OCC	Renter-occupied housing units, 1990	
MEDIAN_VAL	Median value of owner-occupied housing, 1990	In dollars. Median means that 50 percent of the units are above the value and 50 percent below.
MEDIANRENT	Median monthly rent, 1990	In dollars. See median definition above.
UNITS_1DET	Single-household detached housing units, 1990	For instance, a single-family home with a yard.
UNITS_1ATT	Single-household attached housing units, 1990	Includes units such as town homes, condominiums, and the like.
UNITS2	Two-household attached housing structures, 1990	Includes duplexes.
UNITS3_9	Housing structures for 3-9 housing units, 1990	For instance, an apartment building.
UNITS10_49	Housing structures for 10-49 housing units, 1990	For instance, an apartment building.
UNITS50_UP	Housing structures for 50 or more housing units, 1990	For instance, an apartment building.
MOBILEHOME	Mobile homes, 1990	Includes trailers, mobile homes, and other manufactured housing.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
P_MALES	Male population, 1990	As a percent of total population.
P_FEMALES	Female population, 1990	As a percent of total population.
P_WHITE	White population, 1990	As a percent of total population.
P_BLACK	African American population, 1990	As a percent of total population.
P_AMERI_ES	Native American population, 1990	As a percent of total population.
P_ASIAN_PI	Asian-Pacific Islander population, 1990	As a percent of total population.
P_OTHER	Other population, 1990	As a percent of total population.
P_HISPANIC	Hispanic American population, 1990	As a percent of total population.
P_UNDER5	Population age 0-4, 1990	As a percent of total population.
P_5_17	Population age 5-17, 1990	As a percent of total population.
P_18_64	Population age 18-64, 1990	As a percent of total population.

Field name	Description	Comments
P_65_UP	Population age 65 and up, 1990	As a percent of total population.
P_NEVMARRY	Never married population, 1990	As a percent of total population age 15 and up.
P_MARRIED	Married population, 1990	As a percent of total population age 15 and up.
P_SEPARATE	Separated population, 1990	As a percent of total population age 15 and up.
P_WIDOWED	Widowed population, 1990	As a percent of total population age 15 and up.
P_DIVORCED	Divorced population, 1990	As a percent of total population age 15 and up.
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
P_HH_1_M	1-person male households, 1990	As a percent of total households.
P_HH_1_F	1-person female households, 1990	As a percent of total households.
P_MARHHCHD	Married households with children, 1990	As a percent of total households.
P_MARHHNOC	Married households with no children, 1990	As a percent of total households.
P_MHHCHILD	Male single-parent households with children, 1990	As a percent of total households.
P_FHHCHILD	Female single-parent households with children, 1990	As a percent of total households.
HSE_UNITS	Total housing units, 1990	
P_VACANT	Vacant housing units, 1990	As a percent of total housing units.
P_OWNEROCC	Owner-occupied housing units, 1990	As a percent of total housing units.
P_RENTOCC	Renter-occupied housing units, 1990	As a percent of total housing units.
P_UNIT1DET	Single-household detached housing units, 1990	As a percent of total housing units.
P_UNIT1ATT	Single-household attached housing units, 1990	As a percent of total housing units.
P_UNITS2	Two-household attached housing structures, 1990	As a percent of total housing units.
P_UNITS3_9	Housing structures for 3-9 households, 1990	As a percent of total housing units.
P_UNITS10_49	Housing structures for 10-49 households, 1990	As a percent of total housing units.
P_UNITS50_UP	Housing structures for 50 or more households, 1990	As a percent of total housing units.
P_MOBILEHM	Mobile homes, 1990	As a percent of total housing units.

3.1.5.6 US_CNTY.SHP Contents: Boundaries of U.S. counties Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:20,000,000. Number: 3,140 counties (and equivalent areas).		
Field name	Description	Comments
SHAPE	Polygon (counties)	Refers to type of feature--point, line, or polygon.
NAME	Name of county (or equivalent area)	Equivalent areas include parishes in Louisiana; independent cities in Maryland, Missouri, Nevada, and Virginia; and census areas and boroughs in Alaska.
STATE_NAME	State name	
STATE_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
CNTY_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
FIPS	A five-digit code for a specific county (or equivalent area)	Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.

3.1.5.7 US_HIGH.SHP Contents: Location of highest elevation for states and District of Columbia Source: U.S. Geological Survey, Reston, VA Geographic Names Information System (GNIS) Scales: Best displays--variable for point data by size of symbol. Number: 51 points.		
Field name	Description	Comments
SHAPE	Point (highest points)	Refers to type of feature--point, line, or polygon.
HIGH_POINT	Point (or area's) name	Several locations are noted by site description.
STATE	State name	
POSTALCODE	Two-letter postal abbreviation	
COUNTY	County name(s)	Most entries list one county name. Summits that straddle county boundaries list multiple names.
STCO_FIPS	A unique five-digit county code made up of the two-digit state code and the three-digit county code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording. The first county noted is used for sites with multiple counties listed.
USGS_MAP	Name of USGS 7.5 minute map	Topographic map on which point is located.
ELEV_FT	Elevation	In feet.

Field name	Description	Comments
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds.
LONG	Longitude	Decimal degree. Note the minus sign; indicates a longitude west of the Prime Meridian.

3.1.5.8 US_LAKES.SHP Contents: Major U.S. lake boundaries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:3,000,000; smallest, 1:20,000,000. Number: 29 lakes.		
Field name	Description	Comments
SHAPE	Polygon (lakes)	Refers to type of feature—point, line, or polygon.
NAME	Lake name	
COUNTRY	Country name	

3.1.5.9 US_QUAK.SHP Contents: Location and data about “top ten” U.S. earthquakes (50 states) Source: National Earthquake Information Center, U.S. Geological Survey, Golden, CO Scales: Best displays--variable for point data by size of symbol. Number: 13 points.		
Field name	Description	Comments
SHAPE	Point (quake epicenters)	Refers to type of feature--point, line, or polygon.
RANK	Rank based on magnitude	
LOCATION	Name of general event area	
STATE	Two-letter postal abbreviation	
DATE	Month and day	
YEAR	Year	
MAGNITUDE	Magnitude of the event	Richter scale.
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds.
LONG	Longitude	Decimal degree. Longitudes west of the Prime Meridian are negative values.

3.1.5.10 US_QUAKE.SHP Contents: Major U.S. earthquake locations and characteristics, 1970-93 Source: Data Plus, Moscow, Russia Parent: U.S. Geological Survey, Reston, VA Scales: Best displays--variable for point data by size of symbol. Number: 132 events.		
Field name	Description	Comments
SHAPE	Point (quake epicenters)	Refers to type of feature--point, line, or polygon.
MAGNITUDE	Richter scale value	Values range from 4.0 to 7.6 and only include events from 1970-1993.
DEPTH	Depth of earthquake focus	In kilometers.
YEAR	Year	
MONTH	Month	As a number.
DAY	Day	

3.1.5.11 US_RIVER.SHP Contents: Major U.S. river locations Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25,000,000. Number: 56 rivers.		
Field name	Description	Comments
SHAPE	Line (rivers)	Refers to type of feature--point, line, or polygon.
NAME	River name	
SYSTEM	River system name	Only where appropriate.

3.1.5.12 US_ROUTE.SHP Contents: Major U.S. highway locations Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25,000,000. Number: 147 highways.		
Field name	Description	Comments
SHAPE	Line (roads)	Refers to type of feature--point, line, or polygon.
ROUTE	Route name	Includes interstates and major U.S./state roads.

3.1.5.13 US_STATE.SHP Contents: Boundaries of U.S. states Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:5,000,000; smallest, 1:25-30,000,000. Number: 50 states and District of Columbia.		
Field name	Description	Comments
SHAPE	Polygon (states)	Refers to type of feature--point, line, or polygon.
STATE_NAME	State name	
STATE_FIPS	A two-digit state code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Its FIPS code is 13.
STATE_ABBR	Two-letter postal abbreviation	
STCO_FIPS	A five-digit code for a specific area	Here the code is made up of the state's two-digit FIPS and 000. Useful in JOINING state data in combined state and county databases.

3.1.5.14 US14PEAK.SHP Contents: Location of U.S. mountain peaks (14,000' or higher) Source: U.S. Geological Survey, Reston, VA Geographic Names Information System (GNIS) Scales: Best displays--variable for point data by size of symbol. Number: 92 summits.		
Field name	Description	Comments
SHAPE	Point (summits)	Refers to type of feature--point, line, or polygon.
PEAK_NAM	Peak name	
COUNTY_NAM	County name(s)	Most entries list one county name. Summits that straddle county boundaries list multiple names.
STATE	State name	
ELEV_FT	Elevation	In feet.
USGS_MAP	Name of USGS 7.5 minute map	Topographic map on which point is located.
FEATURE	Summit	As selected from the GNIS, only one feature was chosen, "summit."
LAT_LONG	Combined latitude and longitude	Presented in degrees, minutes, seconds.
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds.
LONG	Longitude	Presented as a decimal degree; not degrees, minutes, seconds. Longitudes west of Prime Meridian are negative values.

3.1.5.15 US48_DIV.SHP Contents: Location of Continental Divide in the U.S. (48 conterminous states) Source: Nature Conservancy, Western Regional Office, Boulder, CO Parent: U.S. Geological Survey, Reston, VA Digital Line Graph series Scales: Best displays--largest, 1:5,000,000; smallest, 1:10,000,000. Number: 14 segments.		
Field name	Description	Comments
SHAPE	Line (Continental Divide)	Refers to type of feature--point, line, or polygon.
RECORD	Line segment number	
NAME	Name of feature	Continental Divide
STATE	State with which line segment is associated	As created, a few line segments fall into more than one state. They are noted as such.

3.1.5.16 US48QUAK.SHP Contents: Location and data about "top ten" U.S. earthquakes (48 states) Source: National Earthquake Information Center, U.S. Geological Survey, Golden, CO Scales: Best displays--variable for point data bysize of symbol. Number: 13 points.		
Field name	Description	Comments
SHAPE	Point (epicenters)	Refers to type of feature--point, line, or polygon.
RANK	Rank based on magnitude	
LOCATION	Name of general event area	
STATE	Two-letter postal abbreviation	
DATE	Month and day	
YEAR	Year	
MAGNITUDE	Magnitude of the event	Richter scale.
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds.
LONG	Longitude	Decimal degree. Note the minus sign; indicates a longitude west of the Prime Meridian.

3.1.6 \GEO\WORLD\ World shape files

3.1.6.1 COUNTRY.SHP		
Contents: Boundaries of countries of the world (1994 geography) Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:10,000,000; smallest, 1:250,000,000. Number: 165 countries/areas (excludes many islands and small nations).		
Field name	Description	Comments
SHAPE	Polygon (countries)	Refers to type of feature--point, line, or polygon.
NAME	Country name	Spellings are based on Board of Geographic Names standards and commercial atlases. This theme represents 165 nations and land masses including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea. Because of scale, geographically small nations (e.g., the Federated States of Micronesia) and many islands (e.g., the Cayman Islands) are not presented in this theme.
ABBREVNNAME	Abbreviated country name	
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
WB_CNTRY	Three-letter alphabetic country code	Similar to a FIPS code, these codes were created by the World Bank.

3.1.6.2 FAULTS.SHP		
Contents: Major continental fault line locations Source: Data +, Moscow, Russia Scales: Best displays--largest, 1:20,000,000; smallest, 1:35,000,000. Number: 4,441 fault line segments.		
Field name	Description	Comments
SHAPE	Line (fault line)	Refers to type of feature--point, line, or polygon.
TYPE	Type of fault	Codes include tectonic contact, thrust fault, step, and rift. Depicts only relatively large faults that show the geologic structure of the continents.

3.1.6.3 GEOGRID.SHP		
Contents: Reference features on the earth's graticule such as Equator and Prime Meridian		
Source: Data +, Moscow, Russia		
Scales: Best displays--largest, 1:20,000,000; smallest, 1:250,000,000.		
Number: 54 line segments.		
Field name	Description	Comments
SHAPE	Polyline	Refers to type of feature--point, line, or polygon.
GEOGRID_	code number	Not used.
NAME	Name of feature	
VALUE	Latitude or longitude value	Values south of Equator or west of Prime Meridian are negative values

3.1.6.4 MINERALS.SHP		
Contents: Large mineral deposits		
Source: Data +, Moscow, Russia		
Scales: Best displays--largest, 1:20,000,000; smallest, 1:250,000,000.		
Number: 363 points		
Field name	Description	Comments
SHAPE	Point	Feature type
NAME	Name of mineral deposit	
TYPE		
GROUP		
CONTENTS	Minerals found in deposit	
FIPS_CNTRY	FIPS code for country in which deposit is located	"FIPS" stands for Federal Information Processing Standards
SIZE	Size of deposit	Minerals.shp is a selection of data from the ArcAtlas: Our Earth database.

3.1.6.5 PLAT_LIN.SHP Contents: Major tectonic plate line locations Source: Data +, Moscow, Russia Scales: Best displays--largest, 1:20,000,000; smallest, 1:250,000,000. Number: 51 plate line segments.		
Field name	Description	Comments
SHAPE	Polyline (plate lines)	Refers to type of feature--point, line, or polygon.
TYPE	Type of line	Plate boundary or grid line.

3.1.6.6 PLATE_POL.SHP Contents: Major tectonic plate boundaries Source: Data +, Moscow, Russia Scales: Best displays--largest, 1:20,000,000; smallest, 1:250,000,000. Number: Major tectonic plates.		
Field name	Description	Comments
SHAPE	Polygon	Refers to type of feature--point, line, or polygon.
NAME	Name of plate	

3.1.6.7 QUAKES7093.SHP Contents: Major earthquake locations, 1970-93 Source: Data +, Moscow, Russia Parent: U.S. Geological Survey, Reston, VA Scales: Best displays--variable for point data by size of symbol. Number: 9,751 events.		
Field name	Description	Comments
SHAPE	Point (quake epicenters)	Refers to type of feature--point, line, or polygon.
MAGNITUDE	Richter scale value	Values range from 4.0 to 8.2 and only include events from 1970-1993.
DEPTH	Depth of earthquake focus	In kilometers.
YEAR	Year	
MONTH	Month	As a number.
DAY	Day	

3.1.6.8 QUAKE96.SHP Contents: Major earthquake locations, 1996 Source: National Earthquake Information Center, U.S. Geological Survey, Golden, CO Scales: Best displays--variable for point data by size of symbol. Number: 353 events.		
Field name	Description	Comments
SHAPE	Point (quake hypocenters)	Refers to type of feature--point, line, or polygon.
LOCATION	Name of geographic area associated with the event	
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds. Note: Latitudes south of the equator are negative values.
LONG	Longitude	Decimal degree. Note: A minus sign indicates a longitude west of the Prime Meridian.
MAGNITUDE	Richter scale value	
DEPTH	Depth of earthquake focus	In kilometers. Note: Quake depths also report descriptive ranges of SHALLOW (estimated to be less than 33 KM deep) and NORMAL (estimated to be about 33 KM deep). Quakes of these depths are generally found over continental land masses. Deeper quakes are generally associated with ocean areas. Quake depths of 0 KM are generally human-made blasts, e.g., a nuclear test.
TIME	24-hour clock time	Greenwich Mean Time

3.1.6.9 QUAKE98.SHP Contents: Major earthquake locations, 1998 Source: National Earthquake Information Center, U.S. Geological Survey, Golden, CO Scales: Best displays--variable for point data by size of symbol. Number: 761 points		
Field name	Description	Comments
SHAPE	Point	Indicates feature type
LAT	Latitude	Expressed in decimal degrees; negative values indicate latitudes south of Equator
LONG	Longitude	Expressed in decimal degrees; negative values indicate longitudes west of Prime Meridian
DATE	Date of event	Expressed as year, month, day (YYYYMMDD)
DEPTH	Depth of earthquake focus	Measured in kilometers
MAGNITUDE	Magnitude of event	Measured on Richter scale

3.1.6.10 VOLCANO.SHP Contents: Major volcano locations Source: Data Plus, Moscow, Russia Scales: Best displays--variable for point data by size of symbol. Number: 919 sites.		
Field name	Description	Comments
SHAPE	Point (volcanoes)	Refers to type of feature--point, line, or polygon.
NAME	Name of volcano	May be name of volcano, mountain, or similar landform. Many are named <i>submarine volcanoes</i> .
ELEV_M	Elevation	In meters.
TYPE	Type or status of volcano	Codes include active, non-active, and solfatara stage (gases and vapors).
COUNTRY	Name of country	Country that controls the associated land or area. Many ocean and island volcanoes carry no country association.

3.1.6.11 W_CITIES.SHP Contents: Location of major world cities Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--variable for point data by size of symbol. Number: 606 cities.		
Field name	Description	Comments
SHAPE	Point (cities)	Refers to type of feature--point, line, or polygon.
NAME	City name	Spellings are based on Board of Geographic Names standards and commercial atlases.
COUNTRY	Country name	An abbreviated country name.
POPULATION	Total population for the entire metropolitan area not just the city proper.	Values are from recent census or estimates. Attributes of -99 are null values (data not available).
CAPITAL	Capital city	Indicates whether a city is a national capital.

3.1.6.12 W_LAKES.SHP Contents: Boundaries of major world lakes Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:25,000,000; smallest, 1:250,000,000. Number: 33 lakes and reservoirs.		
Field name	Description	Comments
SHAPE	Polygon (lakes)	Refers to type of feature--point, line, or polygon.
NAME	Name of lake	
SURF_ELEV	Surface elevation	In feet.
DEPTH	Approximate maximum depth.	In feet.

3.1.6.13 W_RIVERS.SHP Contents: Location of major world rivers Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays--largest, 1:25,000,000; smallest, 1:250,000,000. Number: 98 rivers.		
Field name	Description	Comments
SHAPE	Polyline	Refers to type of feature--point, line, or polygon.
NAME	River name	Only 98 major rivers are included here.
SYSTEM	Drainage system	Major drainage systems such as the Amazon.

3.1.6.14 WOR_QUAK.SHP Contents: Location and data about "top ten" earthquakes of 20th century Source: National Earthquake Information Center, U.S. Geological Survey, Golden, CO Scales: Best displays--variable for point data by size of symbd. Number: 10 points.		
Field name	Description	Comments
SHAPE	Point (quake epicenters)	Refers to type of feature—point, line, or polygon.
RANK	Rank based on magnitude	
LOCATION	Name of general event area	
DATE	Month and day	
MAGNITUDE	Magnitude of the event	Richter scale.

Field name	Description	Comments
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds. Note: latitudes south of Equator are negative values.
LONG	Longitude	Decimal degree. Note: longitudes west of the Prime Meridian are negative values.

3.1.6.15 WORLD30.SHP		
Contents: 30 x 30 latitude/longitude grid for the world (Background layer to represent the ocean) Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Scales: Best displays—largest, 1:25,000,000; smallest, 1:250,000,000. Number: 72 polygons.		
Field name	Description	Comments
SHAPE	Polygon	Refers to type of feature—point, line, or polygon.
WRLD30_ID	Identification number for grid.	Grid is made up of 30 x 30 cells

3.1.6.15 WORLD_REF.SHP		
Contents: Continents and oceans Source: ESRI, Redlands, CA Scales: Best displays—largest, 1:20,000,000; smallest, 1:250,000,000. Number: 21 polygons		
Field name	Description	Comments
SHAPE	Polygon	Refers to feature type (point, line or polygon)
NAME	Feature name	
FEATURE	Indicates continent or water body	

3.2 IMAGE directory: Map image files

3.2.1	ARABLE.TIF
Contents:	Percent arable land by country
Source:	Newsweek Education Program, New York, NY
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This represents the percent of a country's land used for growing crops. No year is indicated with this image. No legend is associated with this image. However, the darker the color the higher the percentage of land used in growing crops. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the ranges. Individual country data also can be mapped by exploring the Newsweek data theme "World--Human Geography" project in the <i>Point Me</i> section. The actual data may be found in the field labeled ARALAND in \VOYAGER\TABLE\WORLD\W_NEWSWK.DBF.	
3.2.2	AVJANTMN.TIF
Contents:	Average January low temperature (minimum)
Source:	Data +, Moscow, Russia
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image presents global patterns of minimum January temperature (degrees Celsius). No legend is associated directly with this image. However, temperatures range from cold purples to hot red oranges. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the ranges. The data associated with this image are available in ArcAtlas , a product from ESRI and Data +.	
3.2.3	AVJANTMX.TIF
Contents:	Average January high temperature (maximum)
Source:	Data +, Moscow, Russia
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image presents global patterns of maximum January temperature (degrees Celsius). No legend is associated directly with this image. However, temperatures range from cold blue purples to hot red oranges. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the ranges. The data associated with this image are available in ArcAtlas , a product from ESRI and Data +.	
3.2.4	AVJULTMN.TIF
Contents:	Average July low temperature (minimum)
Source:	Data Plus, Moscow, Russia
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image presents global patterns of minimum July temperature (degrees Celsius). No legend is associated directly with this image. However, temperatures range from cold purples to hot red oranges. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the ranges. The data associated with this image are available in ArcAtlas , a product from ESRI and Data +.	

3.2.5	AVJULTMX.TIF
Contents:	Average July high temperature (maximum)
Source:	Data Plus, Moscow, Russia
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image presents global patterns of maximum July temperature (degrees Celsius). No legend is associated directly with this image. However, temperatures range from cold blue purples to hot red oranges. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the ranges. When released, the data associated with this image will be available in ArcAtlas , a product from ESRI and Data +.	
3.2.6	D9561CLD.TIF
Contents:	Cloud cover (June 1, 1995)
Source:	The GLOBE Program, Washington, DC
Parent:	National Oceanic and Atmospheric Administration (NOAA)
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image presents generalized global cloud patterns around the globe. No legend is associated with this image. Similar images can be found at the GLOBE home page (http://www.globe.gov).	
3.2.7	D9561LND.TIF
Contents:	Vegetation cover (June 1, 1995)
Source:	The GLOBE Program, Washington, DC
Parent:	NOAA, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image presents generalized vegetation patterns around the globe. No legend is associated directly with this image. However, vegetation patterns generally move from dark greens signifying various forest covers to browns for grasslands to orange/buff and gray for bare ground and tundra. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the categories directly. Similar images can be found at the GLOBE home page (http://www.globe.gov).	
3.2.8	D9561MNT.TIF
Contents:	Minimum temperatures (June 1, 1995)
Source:	The GLOBE Program, Washington, DC
Parent:	NOAA, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows generalized forecasted low temperatures (degrees Celsius) around the globe. No legend is associated directly with this image. However, temperature patterns move from dark purples and blues signifying the coldest temperatures to cool greens, warm yellows, and finally hot red browns. A special legend function has been added to the atlas in the <i>Show Me</i> section to identify the categories directly. Similar images can be found at the GLOBE home page (http://www.globe.gov).	

3.2.9	D9561MXT.TIF
Contents:	Maximum temperatures (June 1, 1995)
Source:	The GLOBE Program, Washington, DC
Parent:	NOAA, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows generalized forecasted high temperatures (degrees Celsius) around the globe. No legend is associated directly with this image. However, temperature patterns move from dark purples and blues signifying the coldest temperatures to cool greens, warm yellows, and finally hot red browns. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the categories directly. Similar images can be found at the GLOBE home page (http://www.globe.gov).	

3.2.10	D9561PPT.TIF
Contents:	Precipitation (June 1, 1995)
Source:	The GLOBE Program, Washington, DC
Parent:	NOAA, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows generalized forecasted precipitation (millimeters) around the globe. No legend is associated directly with this image. However, precipitation patterns move from blues signifying the smallest amounts of precipitation to greens, yellows, and finally reds for the highest levels. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the categories directly. Similar images can be found at the GLOBE home page (http://www.globe.gov).	

3.2.11	ETOPO5.TIF
Contents:	Generalized elevation
Source:	Global Ecosystem Database, NOAA, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows generalized elevation patterns around the globe. No legend is associated directly with this image. However, elevation patterns associated with the lands masses range from dark green at sea level to red browns at the highest elevations. The ocean colors range from light blue at sea level to blackish blues for the greatest depths. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the categories directly.	

3.2.12	FARMING.TIF
Contents:	Percent agricultural labor by country
Source:	Newsweek Education Program, New York, NY
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image represents the percent of a country's labor force engaged in agricultural production. No year is indicated with this image. No legend is associated with this image. However, the darker the color the higher the percentage of the labor force involved in farming, ranching, and grazing. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the ranges.. The actual data may be found in the field labeled AGLABOR in \VOYAGER\TABLE\WORLD\W_NEWSWK.DBF.	

3.2.13	GA_STATE.TIF
Contents:	Georgia elevation
Source:	Chalk Butte, Inc., Boulder, WY
Parent:	U.S. Geological Survey, Reston, VA
Scales:	Best displays--largest, 1:2,000,000; smallest, 1:10,000,000.
Description: This image shows generalized elevation patterns and land forms for Georgia. No legend is associated with this image. However, colors move from deep greens in the lower elevations of the Coastal Plain to browns in the highest elevations of the Appalachian Mountains.	

3.2.14	GNP.TIF
Contents:	1989 Gross National Product (GNP) per capita by country
Source:	ArcView 2.x Sample Data, ESRI, Redlands, CA
Parent:	World Bank, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image represents the GNP per person for 1989 in U.S. dollars. GNP is the value of all goods and services produced by a country in a year. No legend is associated directly with this image. However, countries with the lowest GNPs are shown in white, followed by countries in lavender, purples, and finally dark blues. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the ranges. The actual data may be found in the field labeled GNP_CAP in \VOYAGER\TABLE\WORLD\DEMOG.DBF.	

3.2.15	POPDENS.TIF
Contents:	1989 population density by square kilometer
Source:	Data +, Moscow, Russia
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows generalized patterns of population density across the globe. The patterns are based on census and estimate data spanning 1981 to 1994. They represent averages for square kilometers. No legend is associated directly with the image. However, the color pattern moves from lowest levels in white and gray to the highest densities in dark red and brown. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the ranges. The data associated with this image are available in <u>ArcAtlas</u> , a product from ESRI and Data +. Individual country data also can be mapped by exploring the population theme in the “World--Human Geography” project in the <u>Point Me</u> section.	

3.2.16	POPGROW.TIF
Contents:	Annual population growth rate (1989) by country
Source:	ArcView 2.x Sample Data, ESRI, Redlands, CA
Parent:	World Bank, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows the annual population growth rates (1989) for countries. No legend is associated directly with this image. However, countries with the slowest growth rates are shown in light colors. Countries with the fastest growth rates are shown in dark brown. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the ranges. Individual country data also can be mapped by exploring the population theme in the “World—Human Geography” project in the <u>Point Me</u> section. The actual data may be found in the field labeled GRW_RATE in \VOYAGER\TABLE\WORLD\DEMOG.DBF.	
3.2.17	PRECIP.TIF
Contents:	Average annual precipitation
Source:	Data +, Moscow, Russia
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows generalized annual patterns of precipitation (in millimeters) across the globe. No legend is associated with the image. However, the color pattern moves from lowest levels in gray and white to the highest levels in blue and purple. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the ranges. The data associated with this image are available in <u>ArcAtlas</u> , a product from ESRI and Data +.	
3.2.18	TOTPOP.TIF
Contents:	1989 population by country
Source:	ArcView 2.x Sample Data, ESRI, Redlands, CA
Parent:	World Bank, Washington, DC
Scales:	Best displays--largest, 1:100,000,000; smallest, 1:250,000,000.
Description: This image shows the 1989 population for countries. No legend is associated directly with this image. However, population size ranges from low to high following a pattern from white to dark green. A special legend function has been added to the atlas in the <u>Show Me</u> section to identify the ranges. Individual country data also can be mapped by exploring the population theme in the “World--Human Geography” project in the <u>Point Me</u> section. The actual data may be found in the field labeled TOT_POP in \TABLE\WORLD\DEMOG.DBF.	
3.2.19	USA.TIF
Content:	U.S. shaded relief (48 states)
Source:	U.S. Geological Survey, Reston, VA
Scales:	Best displays--largest, 1:10,000,000; smallest, 1:40,000,000.
Description: This image displays general elevation and land forms for the conterminous United States (48 states). It is presented in an Albers projection.	

3.3 TABLE directory: Statistical data files

3.3.1 \TABLE\CANADA\ Canada data files

3.3.1.1 AGRICULT.DBF		
Contents: Agriculture statistics for 1991 and 1996		
Source: Statistics Canada, Ottawa, ON		
Field name	Description	Comments
CODE	Province code	Used in join
FARMS_91	Total number of farms in 1991	
FARMS_96	Total number of farms in 1996	
CHFRM91_96	Percentage change in number of farms between 1991 and 1996	
AGR_LAND91	Total area of land (hectares) under agricultural use in 1991	Measured in hectares
AGR_LAND96	Total area of land (hectares) under agricultural use	Measured in hectares
CHLND91_96	Percentage change of land under agricultural use between 1991 and 1996	
FRMSIZE_91	Average farm size in 1991	Measured in hectares
FRMSIZE_96	Average farm size in 1996	Measured in hectares
CHSIZ91_96	Percentage change in farm size between 1991 and 1996	
IRR_LAND91	Total area of irrigated land, 1991	Measured in hectares
IRR_LAND96	Total area of irrigated land, 1996	Measured in hectares
CHIRR91_96	Percentage change in irrigated land between 1991 and 1996	
FRTLZER_91	Total area of land having chemical fertilizer applied , 1991	Measured in hectares
FRTLZER_96	Total area of land having chemical fertilizer applied, 1996	Measured in hectares
CHFRT91_96	Percentage change in fertilized land between 1991 and 1996	
HERBCDE_91	Total area of land having chemical herbicides applied, 1991	Measured in hectares
HERBCDE_96	Total area of land having chemical herbicides applied, 1996	Measured in hectares
CHHRB91_96	Percentage change in land having herbicides applied between 1991 and 1996	
FRMVALUE91	Total value of all farms in Canadian dollars, 1991	

Field name	Description	Comments
FRMVALUE96	Total value of all farms in Canadian dollars, 1996	
CHFV91_96	Percentage change in total farm value between 1991 and 1996	
AGVALUE91	Average farm value in Canadian dollars, 1991	
AGVALUE96	Average farm value in Canadian dollars, 1996	
CHVLU91_96	Percentage change in average farm value between 1991 and 1996	
FARMDEBT91	Average farm debt in Canadian dollars, 1991	
FARMDEBT96	Average farm debt in Canadian dollars, 1996	
CHDBT91_96	Percentage change in farm debt between 1991 and 1996	

3.3.1.2 ECO_COVR.DBF		
Contents: Land cover types by ecozone		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
MIX_FOREST	Percentage of ecozone covered by mixed forest	
BROADLEAF	Percentage of ecozone covered by broadleaf forest	
TRANSITION	Percentage of ecozone covered by transitional forest	
CONIFEROUS	Percentage of ecozone covered by coniferous forest	
TUNDRA	Percentage of ecozone covered by tundra	
BARREN_LND	Percentage of ecozone covered by barren land	
PERRENNIAL	Percentage of ecozone covered by perennial forest	
CROPLAND	Percentage of ecozone covered by cropland	
PASTURE	Percentage of ecozone covered by pasture	
URBAN	Percentage of ecozone covered by urban area	
DOMINANT	Dominant cover type	English
DOMINANT_F	Dominant cover type	Francais

3.3.1.3 ECO_DOME.DBF		
Contents: Dominant characteristics by ecozone - English		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
TOT_POP_91	Total ecozone population, 1991	
DOM_SURF	Dominant surface characteristic	
DOM_MATRL	Dominant surface material	
DOM_FORM	Dominant landform	
DOM_COVER	Dominant cover type	
DOM_SOIL	Dominant soil type	
DOM_PERM	Dominant permafrost characteristic	
DOM_TEXT	Dominant surface texture	

3.3.1.4 ECO_DOMF.DBF		
Contents: Dominant characteristics by ecozone - Francais		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
TOT_POP_91	Total ecozone population, 1991	
DOM_SURF	Dominant surface characteristic	
DOM_MATRL	Dominant surface material	
DOM_FORM	Dominant landform	
DOM_COVER	Dominant cover type	
DOM_SOIL	Dominant soil type	
DOM_PERM	Dominant permafrost characteristic	
DOM_TEXT	Dominant surface texture	

3.3.1.5 ECO_LFRM.DBF		
Contents: Landform types by ecozone		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
PLATEAU	Percentage of ecozone classified as plateau	
HILLAND	Percentage of ecozone classified as hilly	
MOUNTAIN	Percentage of ecozone classified as mountainous	
WETLAND	Percentage of ecozone classified as wetland	
PLAIN	Percentage of ecozone classified as plain	
SCARP	Percentage of ecozone classified as scarp	
VALLEY	Percentage of ecozone classified as valley	
DOMINANT	Dominant landform type for ecozone	English
DOMINANT_F	Dominant landform type for ecozone	Francais

3.3.1.6 ECO_MTRL.DBF		
Contents: Surface materials by ecozone		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
ICE_SNOW	Percentage of ecozone surface composed of ice and/or snow	
ORGANIC_SO	Percentage of ecozone surface composed of organic soils	
ROCK	Percentage of ecozone surface composed of rock	
MINERAL_SO	Percentage of ecozone surface composed of mineral soils	
URBAN	Percentage of ecozone surface classified as urban area	
DOMINANT	Dominant surface material for ecozone	English
DOMINANT_F	Dominant surface material for ecozone	Francais

3.3.1.7 ECO_TEXT.DBF		
Contents: Surface soil texture by ecozone		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
RCK_IC_URB	Percentage of ecozone area covered by non-soils (rock, ice, urban area)	
CLAY_LOAM	Percentage of ecozone area covered by surface soils with clay-loam texture	
CLAY	Percentage of ecozone area covered by surface soils with clay texture	
LOAM	Percentage of ecozone area covered by surface soils with loam texture	
ORGANIC	Percentage of ecozone area covered by organic soils	
SAND	Percentage of ecozone area covered by surface soils with sand texture	
SANDY_LOAM	Percentage of ecozone area covered by surface soils with sandy-loam texture	
DOMINANT	Dominant surface texture for ecozone	English
DOMINANT_F	Dominant surface texture for ecozone	Francais

3.3.1.8 ECO_POP.DBF		
Contents: Ecozone population characteristics for 1991		
Source: Environment Canada, Ottawa, ON and Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
ECOZONE	Ecozone number	Used in join
TOTF_91	Total number of females in 1991	
TOTM_91	Total number of males in 1991	
TOTAL_91	Total ecozone population in 1991	
RURF_91	Total number of females in rural areas in 1991	
RURM_91	Total number of males in rural areas in 1991	

Field name	Description	Comments
RURT_91	Total rural population in 1991	
URBF_91	Total number of females in urban areas in 1991	
URBM_91	Total number of males in urban areas in 1991	
URBT_91	Total urban population in 1991	

3.3.1.9 ETHNIC.DBF		
Contents: Population by visible minority group		
Source: Statistics Canada, Ottawa, ON		
Field name	Description	Comments
CODE	Province code	Used in join
TOT_POP	Total population in 1996	
WHITE	Number of persons in 1996 not member of a visible minority group or aboriginal	
ABORIGINAL	Total number of aboriginal persons in 1996	
BLACK	Persons in 1996 reporting visible minority group as Black	
STHASIAN	Persons in 1996 reporting visible minority group as South Asian	
CHINESE	Persons in 1996 reporting visible minority group as Chinese	
KOREAN	Persons in 1996 reporting visible minority group as Korean	
JAPANESE	Persons in 1996 reporting visible minority group as Japanese	
SEASIAN	Persons in 1996 reporting visible minority group as South East Asian	
FILIPINO	Persons in 1996 reporting visible minority group as Filipino	
ARAB_WASIA	Persons in 1996 reporting visible minority group as Arab or West Asian	
LNTAMERICA	Persons in 1996 reporting visible minority group as Latin American	
OTHER	Persons in 1996 reporting visible minority group as other visible minority group	
MULTIPLE	Persons in 1996 reporting visible minority group as multiple	

3.3.1.10 LANGUAGE.DBF		
Contents: Population by mother tongue		
Source: Statistics Canada, Ottawa, ON		
Field name	Description	Comments
CODE	Province code	Used in join
TOT_POP	Total population in 1996	
ENGLISH	Persons in 1996 reporting mother tongue as English	
FRENCH	Persons in 1996 reporting mother tongue as French	
TOT_NON_OF	Persons in 1996 reporting non-official mother tongue	
CHINESE	Persons in 1996 reporting mother tongue as Chinese	
ITALIAN	Persons in 1996 reporting mother tongue as Italian	
GERMAN	Persons in 1996 reporting mother tongue as German	
POLISH	Persons in 1996 reporting mother tongue as Polish	
SPANISH	Persons in 1996 reporting mother tongue as Spanish	
PORTUGUESE	Persons in 1996 reporting mother tongue as Portuguese	
PUNJABI	Persons in 1996 reporting mother tongue as Punjabi	
UKRAINIAN	Persons in 1996 reporting mother tongue as Ukrainian	
ARABIC	Persons in 1996 reporting mother tongue as Arabic	
DUTCH	Persons in 1996 reporting mother tongue as Dutch	
PILIPINO	Persons in 1996 reporting mother tongue as Pilipino	
GREEK	Persons in 1996 reporting mother tongue as Greek	
VIETNAMESE	Persons in 1996 reporting mother tongue as Vietnamese	
CREE	Persons in 1996 reporting mother tongue as Cree	
INUKTITUT	Persons in 1996 reporting mother tongue as Inuktitut	
OTHER	Persons in 1996 reporting other mother tongue	
ENG_FRE	Persons in 1996 reporting mother tongue as English and French	
ENG_OTH	Persons in 1996 reporting mother tongue as English and Other	

Field name	Description	Comments
FRE_OTH	Persons in 1996 reporting mother tongue as French and Other	
EN_FR_OTH	Persons in 1996 reporting mother tongue as English, French and Other	

3.3.1.11 LPDBCLIM.DBF		
Contents: Selected climate variables for the period from 1951 to 1980		
Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
NEWSYMBOL	LPDB map symbol code	LPDB is the Land Potential Database
AGSL	Average growing season	Average for the period 1951 to 1980
DEGDAY5	Average degree days in year	A degree day is a day with temperature over 5 degrees Celsius
ANUMEANTEM	Annual mean temperature in degrees Celsius	Average for the period 1951 to 1980
ANUMAXTEM	Annual maximum temperature in degrees Celsius	Average for the period 1951 to 1980
ANUMINTEM	Annual minimum temperature in degrees Celsius	Average for the period 1951 to 1980
TOTALRAIN	Average total rainfall in millimeters	Average for the period 1951 to 1980
TOTALSNOW	Average total snowfall in centimeters	Average for the period 1951 to 1980

3.3.1.12 POP_GROW.DBF		
Contents: Population and population growth from 1975 to 1995		
Source: Statistics Canada, Ottawa, ON		
Field name	Description	Comments
CODE	Province code	Used in join
B_RT75	Birth rate 1975	Births per 1000 population
B_RT80	Birth rate 1980	Births per 1000 population
B_RT85	Birth rate 1985	Births per 1000 population
B_RT90	Birth rate 1990	Births per 1000 population
B_RT95	Birth rate 1995	Births per 1000 population
D_RT75	Death rate 1975	Deaths per 1000 population
D_RT80	Death rate 1980	Deaths per 1000 population
D_RT85	Death rate 1985	Deaths per 1000 population
D_RT90	Death rate 1990	Deaths per 1000 population
D_RT95	Death rate 1995	Deaths per 1000 population
POP_76	Total population 1976	
POP_80	Total population 1980	
POP_85	Total population 1985	
POP_90	Total population 1990	
POP_95	Total population 1995	
PCT_URB96	Percent of the population living in urban areas in 1996	
PCT_RUR96	Percent of the population living in rural areas in 1996	
GRWTH76_80	Percent change in population between 1976 and 1980	
GRWTH80_85	Percent change in population between 1980 and 1985	
GRWTH85_90	Percent change in population between 1985 and 1990	
GRWTH90_95	Percent change in population between 1990 and 1995	

3.3.2 \TABLE\GEORGIA\ Georgia data files

3.3.2.1 GA_PARKS.DBF Contents: National park sites in Georgia Source: The National Parks Index, 1993. National Park Service, Department of the Interior, Washington, DC Shape: Associated with points. Number: 10 sites. Display: To map these statistical data, ADD file to project as a TABLE and then ADD as an EVENT THEME.		
Field name	Description	Comments
PARKNAME	Official park name	
ADDRESS	Street address or post office box	
LOCATION	City, state, ZIP code	
TELEPHONE	Telephone	
LAT	Latitude	Presented as a decimal degree; not degrees, minutes, seconds.
LONG	Longitude	Presented as a decimal degree; not degrees, minutes, seconds. Note: A minus sign indicates a longitude west of the Prime Meridian.
ACREAGE	Total site acres	As of 1993.
FED_ACRES	Total acres under federal jurisdiction.	As of 1993.
NONFED_ACR	Total acres under non-federal jurisdiction.	As of 1993.
WILD_ACRES	Total acres classified as wilderness.	As of 1993. A code of -99 signifies that the value is not applicable.

3.3.3 \TABLE\NAMERICA\ North America data files

3.3.3.1 CA_DEMOG.DBF Contents: Canadian province/territory 1991 population Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: Statistics Canada, Ottawa, Canada, 1991 Census of Population Shape: Associated with polygons. Number: 10 provinces, 2 territories. Display: To map these statistical data, file must be joined to the shape file CANADA.SHP.		
Field name	Description	Comments
CODE	Special four-character province/territory code	Similar to a FIPS code. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
NAME	Province/territory name	
POP1991	Total population, 1991	
POP91_SQMI	Population density, 1991	Represents the average number of people per square mile of land area.

3.3.3.2 MX_DEMOG.DBF Contents: Mexican state 1990 demographics Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: INEGI, Aguascalientes, Mexico, 1990 Census of Population Shape: Associated with polygons. Number: 32 states. Display: To map these statistical data, file must be joined to the shape file MEXICO.SHP.		
Field name	Description	Comments
CODE	Special four-character province/territory code	Similar to a FIPS code. These are codes given to standardize geographic data recording.
NAME	State name	
POP1990	Total population, 1990	
POP90_SQMI	Population density, 1990	Represents the average number of people per square mile of land area.
P_URBAN90	Urban population, 1990	As a percent of total population.
P_ING_LANG	Indigenous language, 1990	As a percent of the population age 5 and over.
P_EMPL_SEC	Employment in mining, petroleum, gas, manufacturing, electric energy generation, and construction industries, 1990	As a percentage of the total employed population.
HSE_UNIT90	Housing units, 1990	

3.3.4 \TABLE\PRAIRIE\: Prairie data files

3.3.4.2 AGRICULT.DBF		
Contents: Selected crop yields and agricultural data Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
MAPUNIT	LPDB map unit code	Used in join. LPDB is the Land Potential Database.
YLDWHT	Average actual yield for wheat in kilograms per hectare	
YLDBAR	Average actual yield for barley in kilograms per hectare	
YLDOATS	Average actual yield for oats in kilograms per hectare	
YLDCAN	Average actual yield for canola in kilograms per hectare	
YLDFLAX	Average actual yield for flax in kilograms per hectare	
YLDRYE	Average actual yield for rye in kilograms per hectare	
MNDAILYT	Mean daily temperature in degrees Celsius	Value is for growing season
MNMAXDAIL	Mean maximum daily temperature	Value is for growing season
MNMINDAILY	Mean minimum daily temperature	Value is for growing season
RAIN	Mean rainfall in millimeters	Value is for growing season
MNDAILYRAD	Mean daily solar radiation in calories per square centimeter per day	Value is for growing season
GSSTART	Growing season start	Julian day. January 1 is day 1; June 1 is day 152.
GSEND	Growing season end	Julian day. January is day 1; June 1 is day 152.
AGSL	Average growing season length in days	
DEGDAY5	Average number of days in year with temperature over 5 degrees Celsius (degree days)	

3.3.4.1 CLIM5180.DBF		
Contents: Selected climate variables by month averaged for period 1951 to 1980		
Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
MAPUNIT	LPDB map unit code	Used in join. LPDB is the Land Potential Database.
TMEAN(MONTH)	Mean temperature for the month in degrees Celsius	12 related fields appear in table. Actual field names are TMEANJAN, TMEANFEB, TMEANMAR, etc.
TMAX(MONTH)	Average maximum temperature for the month in degrees Celsius	12 related fields appear in table. Actual field names are TMAXJAN, TMAXFEB, TMAXMAR, etc.
TMIN(MONTH)	Average minimum temperature for the month in degrees Celsius	12 related fields appear in table. Actual field names are TMINJAN, TMINFEB, TMINMAR, etc.
RAIN(MONTH)	Mean rainfall for the month in millimeters	12 related fields appear in table. Actual field names are RAINJAN, RAINFEB, RAINMAR, etc.
SNOW(MONTH)	Mean snowfall for the month in centimeters	12 related fields appear in table. Actual field names are SNOWJAN, SNOWFEB, SNOWMAR, etc.
WIND(MONTH)	Mean wind speed for the month in centimeters per second	12 related fields appear in table. Actual field names are WINDJAN, WINDFEB, WINDMAR, etc.
VAPOUR(MONTH)	Mean vapour pressure for the month in millibars	12 related fields appear in table. Actual field names are VAPOURJAN, VAPOURFEB, VAPOURMAR, etc.
SOLAR(MONTH)	Mean solar radiation for the month in calories per square centimeter per day	12 related fields appear in the table. Actual field names are SOLARJAN, SOLARFEB, SOLARMAR, etc.
ANMEANTEMA	Mean annual temperature in degrees Celsius	
ANMAXTEMP	Average maximum annual temperature in degrees Celsius	
ANMINTEMP	Average minimum annual temperature in degrees Celsius	
TOTALRAIN	Sum of monthly rainfall in millimeters	
TOTALSNOW	Sum of monthly snowfall in centimeters	

3.3.4.3 CLIMATE.DBF		
Contents: Selected climate variables and land characteristics		
Source: Agriculture Canada, Ottawa, ON		
Field name	Description	Comments
MAPUNIT	LPDB map unit code	Used in join. LPDB is the Land Potential Database.
DOMST_E	Dominant soil type	English
LANDUSE_E	Dominant land use	English
AGSL	Average growing season length in days	
DEGDAY5	Average number of days in year with temperature over 5 degrees Celsius	
ANUMEANTEM	Annual mean temperature in degree Celsius	Value is for entire year
ANUMAXTEM	Annual mean temperature in degrees Celsius	Value is for entire year
TOTALRAIN	Annual total rainfall in millimeters	
TOTALSNOW	Annual total snowfall in centimeters	
AREA_KM	Polygon area in square kilometers	

3.3.5 \TABLE\US\ United States data files

3.3.5.1 AG_92CO.DBF Content: Basic 1982-1992 agriculture statistics for U.S. counties Source: U.S. Bureau of the Census, Washington, DC ,1992 Census of Agriculture Shape: Associated with polygons. Number: 3,140 counties (and equivalent areas). Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP.		
Field name	Description	Comments
FIPS	A five-digit code for a specific county (or equivalent area)	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
AVGFRM_92	Average farm size, 1992	In acres. Average for county. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
AVGFRM_87	Average farm size, 1987	In acres. Average for county. See farm definition above.
AVGFRM_82	Average farm size, 1982	In acres. Average for county. See farm definition above.
FARMS_92	Number of farms, 1992	A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
FARMS_87	Number of farms, 1987	See farm definition above.
FARMS_82	Number of farms, 1982	See farm definition above.
FRMACRES92	Total acres in farms, 1992	A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
FRMACRES87	Total acres in farms, 1987	See farm definition above.
FRMACRES82	Total acres in farms, 1982	See farm definition above.
CHGAVG8792	Change in average farm size, 1987-92	In acres. Average for county. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
CHGFRMS8792	Change in number of farms, 1987-92	See farm definition above.
CHGACR8792	Change in total acres in farms, 1987-92	See farm definition above.

3.3.5.2 AG_92MOR.DBF Contents: Selected 1982-1992 agriculture statistics Source: U.S. Bureau of the Census, Washington, DC, 1992 Census of Agriculture Shape: Associated with polygons. Number: 3,128 counties (and equivalent areas), 50 states, and U.S. Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP or US_STATE.SHP.		
Field name	Description	Comments
AREANAME	Name of state or county	
ST_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
CNTY_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
STCO_FIPS	A five-digit code for a specific county (or equivalent area)	Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
BEE_FARM92	Farms with bee colonies, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
BEE_FARM_87	Farms with bee colonies, 1987	Total in named area. See farm definition above.
BEE_FARM_82	Farms with bee colonies, 1982	Total in named area. See farm definition above.
BEECOLNY92	Number of bee colonies, 1992	Total in named area.
BEECOLNY87	Number of bee colonies, 1987	Total in named area.
BEECOLNY82	Number of bee colonies, 1982	Total in named area.
CORNFARM92	Farms growing corn, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold during the census year.
CORNFARM87	Farms growing corn, 1987	Total in named area. See farm definition above.
CORNFARM82	Farms growing corn, 1982	Total in named area. See farm definition above.
CORNACRE92	Acres of corn harvested, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
CORNACRE87	Acres of corn harvested, 1987	Total in named area. See farm definition above.
CORNACRE82	Acres of corn harvested, 1982	Total in named area. See farm definition above.
CORNBUSH92	Bushels of corn harvested, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold during the census year.

Field name	Description	Comments
CORNBUSH87	Bushels of corn harvested, 1987	Total in named area. See farm definition above.
CORNBUSH82	Bushels of corn harvested, 1982	Total in named area. See farm definition above.
WHETFARM92	Farms growing wheat, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
WHETFARM87	Farms growing wheat, 1987	Total in named area. See farm definition above.
WHETFARM82	Farms growing wheat, 1982	Total in named area. See farm definition above.
WHETACRE92	Acres of wheat harvested, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
WHETACRE87	Acres of wheat harvested, 1987	Total in named area. See farm definition above.
WHETACRE82	Acres of wheat harvested, 1982	Total in named area. See farm definition above.
WHETBUSH92	Bushels of wheat harvested, 1992	Total in named area. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
WHETBUSH87	Bushels of wheat harvested, 1987	Total in named area. See farm definition above.
WHETBUSH82	Bushels of wheat harvested, 1982	Total in named area. See farm definition above.

3.3.5.3 AG_92ST.DBF Contents: Basic 1982-1992 agriculture statistics for U.S. states Source: U.S. Bureau of the Census, Washington, DC, 1992 Census of Agriculture Shape: Associated with polygons. Number: 50 states and District of Columbia. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
STATE_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording,.
AVGFRM_92	Average farm size, 1992	In acres. Average for state. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
AVGFRM_87	Average farm size, 1987	In acres. Average for state. See farm definition above.
AVGFRM_82	Average farm size, 1982	In acres. Average for state. See farm definition above.

Field name	Description	Comments
FARMS_92	Number of farms, 1992	A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
FARMS_87	Number of farms, 1987	See farm definition above.
FARMS_82	Number of farms, 1982	See farm definition above.
FRMACRES92	Total acres in farms, 1992	A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
FRMACRES87	Total acres in farms, 1987	See farm definition above.
FRMACRES82	Total acres in farms, 1982	See farm definition above.
CHGAVG8792	Change in average farm size, 1987-92	In acres. Average for state. A farm is defined as any place from which \$1,000 or more of agricultural products were produced or sold (or normally would have been sold) during the census year.
CHGFRMS8792	Change in number of farms, 1987-92	See farm definition above.
CHGACR8792	Change in total acres in farms, 1987-92	See farm definition above.

3.3.5.4 CNTY0090.DBF Contents: 1900-1990 population totals for U.S. counties Source: U.S. Bureau of the Census, Washington, DC, 1900-1990 Census of Population Shape: Associated with polygons. Number: 3,140 counties (and equivalent areas). Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP.		
Field name	Description	Comments
FIPS	A five-digit code for a specific county (or equivalent area)	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
POP_1990	Total population, 1990	Although county boundaries are generally stable at present, there have been numerous splits, combinations, and changed borders during the 20th century. Counties that did not exist in a decade have a missing value code of -99.
POP_1980 to POP_1900	Total population, 1980 to total population, 1900	See comments in POP_1990 segment above.

3.3.5.5 COUNTY.DBF Contents: 1990 demographics for U.S. counties Source: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing and 1987 Census of Agriculture Shape: Associated with polygons. Number: 3,140 counties (and equivalent areas). Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP.		
Field name	Description	Comments
FIPS	A five-digit county code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
NAME	County name	
STATE_NAME	State name	
STATE_FIPS	A two-digit state code	Georgia's code is 13
CNTY_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
MALES	Male population, 1990	
FEMALES	Female population, 1990	
WHITE	White population, 1990	This is a racial classification and includes persons who might have identified themselves by ancestral or ethnic heritage that is viewed as white, such as Italian, Irish, Greek, Russian, Spanish, and so on.
BLACK	African American population, 1990	Includes persons who classified themselves as Black, Negro, or similarly.
AMERI_ES	Native American population, 1990	Includes the following groups only: American Indians, Eskimos, and Aleuts.
ASIAN_PI	Asian-Pacific Islander population, 1990	Includes groups such as Chinese, Filipinos, Japanese, Samoan, Hawaiian, Korean, Asian Indians. Does not include white populations from places like Australia, New Zealand, Hong Kong.
OTHER	Other population, 1990	In the 1990 census, this was the only way the Census Bureau had to identify multiracial persons.

Field name	Description	Comments
HISPANIC	Hispanic American population, 1990	Includes persons who identified themselves as Mexican American, Puerto Rican, Cuban as well as Salvadoran, Chilean, and so forth. This category is a measure of ethnicity and is not one of the basic race categories. Adding WHITE, BLACK, AMERI_ES, ASIAN_PI, and OTHER together should equal POP100.
AGE_UNDER5	Population age 0-4, 1990	
AGE_5_17	Population age 5-17, 1990	Generally seen as the school-age population.
AGE_18_64	Population age 18-64, 1990	Generally seen as the working-age population.
AGE_65_UP	Population age 65 and up, 1990	
NEVERMARRY	Never married population, 1990	Single population. Includes persons age 15 and over.
MARRIED	Married population, 1990	Includes persons age 15 and over.
SEPARATED	Separated population, 1990	Includes persons age 15 and over.
WIDOWED	Widowed population, 1990	Includes persons age 15 and over.
DIVORCED	Divorced population, 1990	Includes persons age 15 and over.
HSEHLD_1_M	1-person male households, 1990	
HSEHLD_1_F	1-person female households, 1990	
MARHH_CHD	Married households with children, 1990	
MARHH_NO_C	Married households with no children, 1990	
MHH_CHILD	Male single-parent households with children, 1990	
FHH_CHILD	Female single-parent households with children, 1990	
HSE_UNITS	Total housing units, 1990	Includes single-family homes, apartments, condominiums, and the like. Does not include dormitories, prisons, military barracks, and so on.
VACANT	Vacant housing units, 1990	
OWNER_OCC	Owner-occupied housing units, 1990	Housing units that are owned or are mortgaged.
RENTER_OCC	Renter-occupied housing units, 1990	
MEDIAN_VAL	Median value of owner-occupied housing, 1990	In dollars. Median means that 50 percent of the units are above the value and 50 percent below.
MEDIANRENT	Median monthly rent, 1990	In dollars. See median definition above.
UNITS_1DET	Single-household detached housing units, 1990	For instance, a single-family home with a yard.

Field name	Description	Comments
UNITS_1ATT	Single-household attached housing units, 1990	Includes units such as town homes, condominiums, and the like.
UNITS2	Two-household attached housing structures, 1990	Includes duplexes.
UNITS3_9	Housing structures for 3-9 households, 1990	For instance, an apartment building.
UNITS10_49	Housing structures for 10-49 households, 1990	For instance, an apartment building.
UNITS50_UP	Housing structures for 50 or more households, 1990	For instance, an apartment building.
MOBILEHOME	Mobile homes, 1990	Includes trailers, mobile homes, and other manufactured housing.
POP1990	Total population, 1990	Resident population, including as appropriate resident university, prison, nursing home, military, and similar populations in that geographic area.
P_MALES	Male population, 1990	As a percent of total population.
P_FEMALES	Female population, 1990	As a percent of total population.
P_WHITE	White population, 1990	As a percent of total population.
P_BLACK	African American population, 1990	As a percent of total population.
P_AMERI_ES	Native American population, 1990	As a percent of total population.
P_ASIAN_PI	Asian-Pacific Islander population, 1990	As a percent of total population.
P_OTHER	Other population, 1990	As a percent of total population.
P_HISPANIC	Hispanic American population, 1990	As a percent of total population.
P_UNDER5	Population age 0-4, 1990	As a percent of total population.
P_5_17	Population age 5-17, 1990	As a percent of total population.
P_18_64	Population age 18-64, 1990	As a percent of total population.
P_65_UP	Population age 65 and up, 1990	As a percent of total population.
P_NEVMARRY	Never married population, 1990	As a percent of total population age 15 and up.
P_MARRIED	Married population, 1990	As a percent of total population age 15 and up.
P_SEPARATE	Separated population, 1990	As a percent of total population age 15 and up.
P_WIDOWED	Widowed population, 1990	As a percent of total population age 15 and up.
P_DIVORCED	Divorced population, 1990	As a percent of total population age 15 and up.
HOUSEHOLDS	Total households, 1990	Represents occupied housing units. Households include one-person units, multi-person units not related by blood or marriage, families of all sizes.
P_HH_1_M	1-person male households, 1990	As a percent of total households.

Field name	Description	Comments
P_HH_1_F	1-person female households, 1990	As a percent of total households.
P_MARHHCHD	Married households with children, 1990	As a percent of total households.
P_MARHHNOC	Married households with no children, 1990	As a percent of total households.
P_MHHCHILD	Male single-parent households with children, 1990	As a percent of total households.
P_FHHCHILD	Female single-parent households with children, 1990	As a percent of total households.
HSE_UNITS	Total housing units, 1990	
P_VACANT	Vacant housing units, 1990	As a percent of total housing units.
P_OWNEROCC	Owner-occupied housing units, 1990	As a percent of total housing units.
P_RENTOCC	Renter-occupied housing units, 1990	As a percent of total housing units.
P_UNIT1DET	Single-household detached housing units, 1990	As a percent of total housing units.
P_UNIT1ATT	Single-household attached housing units, 1990	As a percent of total housing units.
P_UNITS2	Two-household attached housing structures, 1990	As a percent of total housing units.
P_UNITS3_9	Housing structures for 3-9 households, 1990	As a percent of total housing units.
P_UNITS10_49	Housing structures for 10-49 households, 1990	As a percent of total housing units.
P_UNITS50_UP	Housing structures for 50 or more households, 1990	As a percent of total housing units.
P_MOBILEHM	Mobile homes, 1990	As a percent of total housing units.

3.3.5.6 DEMOG_90.DBF		
Contents: Selected time-series and 1990 demographic statistics Source: U.S. Bureau of the Census, Washington, DC 1970-1990 Census of Population and Housing Shape: Associated with polygons. Number: 3,140 counties (and equivalent areas), 51 states, and U.S. Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP or US_STATE.SHP.		
Field name	Description	Comments
AREANAME	Name of state or county	
ST_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
CO_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
STCO_FIPS	A five-digit code for a specific county (or equivalent area)	Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
MED_AGE80	Median age of the population, 1980	Average for total population in named area. The median represents the middle value. This means that half of the values will be below the median and half will be above it.
MED_AGE90	Median age of the population, 1990	Average for total population in named area. See definition of median above.
CHG_MEDAGE	Change in median age, 1980-90	Average for total population in named area. See definition of median above.
HH_SIZE_70	Average household size, 1970	Average number of persons per household in named area. Households relate to occupied housing units and include one-person units, multi-person units not related by blood or marriage, and families of all sizes.
HH_SIZE_80	Average household size, 1980	Average number of persons per household in named area. See definition of household above.
HH_SIZE_90	Average household size, 1990	Average number of persons per household in named area. See definition of household above.
PCHGHH8090	Percent change in households, 1980-90	Households are occupied housing units. Include one-person units, multi-person units not related by blood or marriage, and families of all sizes.
POP25_1990	Total population age 25 and over, 1990	The population age grouping used by the Census Bureau to measure educational attainment in an area.
ED_LT9_N	Persons with 0-8 years of education, 1990	Persons age 25 and over.
ED_LT9_P	Percent of persons with 0-8 years of education, 1990	As a percent of all persons age 25 and over.
ED_HS_N	Persons attaining high school graduation or higher, 1990	Persons age 25 and over.

Field name	Description	Comments
ED_HS_P	Percent of persons attaining high school graduation or higher, 1990	As a percent of all persons age 25 and over.
ED_CO_N	Persons with bachelor's degree or higher, 1990	Persons age 25 and over.
ED_CO_P	Percent of persons with bachelor's degree or higher, 1990	As a percent of all persons age 25 and over.
MEDHHINC89	Median household income, 1989	Median is an average for all households in named area. The median represents the middle value. This means that half of the values will be below the median and half will be above it.
CO_NAME	County name	No name is given for state/national level entries.
STATE_NAME	State name	
SUMLEV	Summary level, 1992	Identifies geographic hierarchy and special geographic relationships for areas. 0= U.S. 1= States. 2= Counties that are part of Consolidated Metropolitan Statistical Areas (CSMAs); the largest metropolitan areas in the country. 3= Counties that are part of Metropolitan Statistical Areas (MSAs); excludes CMSA counties. 4= Counties that are part of New England County Metropolitan Areas (NECMAs). 5= Nonmetropolitan counties. Note that areas with codes 2, 3, and 4 represent all of the metropolitan counties reported in the 1990 census.
METRO	A unique four-digit code for specific metropolitan area	This is a FIPS code. See STATE_FIPS above for more information.

3.3.5.7 POP_200.DBF Contents: 1790-1990 population totals for U.S. states Source: U.S. Bureau of the Census, Washington, DC 1790-1990 Census of Population Shape: Associated with polygons. Number: 50 states and District of Columbia. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
STATE_FIPS	A two-digit code for a specific state	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording.
POP_1790	Total population, 1790	Provides count of the resident population enumerated in a U.S. census from earliest census forward to 1990. Counts do not include populations residing outside American territory. A zero value does not mean there was no population in the area covered by a state at the time of a particular census, it means no count was made by the U.S. government in that area at that time. Decade values shown prior to statehood are estimates based on the geographic breakdowns available in the original data adjusted to match current state boundaries.
POP_1800 to POP_1990	Total population, 1800 to total population, 1990	See comments in POP_1790 segment above.
CHG1790_00	Percent change in population, 1790-1800	See comments in POP_1790 segment above. Percent change here spans the decade. For example, it is calculated as $((POP_{1800} - POP_{1790}) / POP_{1790}) \times 100 = CHG1790_00$.
CHG1800_10 to CHG1980_90	Percent change in population, 1790-1800 to percent change in population, 1980-1990	See comments in CHG1790_00 segment above.

3.3.5.8 POP_95CO.DBF Contents: 1990-1995 population estimates Source: U.S. Bureau of the Census, Washington, DC Federal-State Cooperative Program for Population Estimates Shape: Associated with polygons. Number: 3,143 counties (and equivalent areas), 51 states, and U.S. Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP or US_STATE.SHP.		
Field name	Description	Comments
AREANAME	Name of state or county	
STATE_NAME	Name of state	Appears for both counties and states.
STCO_FIPS	A five-digit code for a specific county (or equivalent area)	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording. Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
ST_FIPS	A two-digit state code; Georgia's code is 13	
CO_FIPS	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
POP_90CEN	Enumerated population, 1990	Population enumerated in the 1990 census. Reference date is April 1, 1990.
POP_95EST	Estimated population, 1995	Population estimated from 1990 count, birth and death data from 1990 to 1995, and estimates of migration for that period. Reference date is July 1, 1995.
PCTCHG9095	Percent population change, 1990-95	Percent change here spans the period April 1, 1990 to July 1, 1995. It is calculated as $((POP_90CEN - POP_95EST) / POP_90CEN) \times 100 = PCTCHG9095$.

3.3.5.9 POP_95ST.DBF Content: 1990-1995 annual population estimates for U.S. states Source: U.S. Bureau of the Census, Washington, DC Federal-State Cooperative Program for Population Estimates Shape: Associated with polygons. Number: 50 states, District of Columbia, and U.S. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
AREANAME	Name of state	
POSTAL_COD	Two-letter postal abbreviation	
ST_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
POP_4/90	Enumerated population, 1990	Population enumerated in the 1990 census. Reference date is April 1, 1990.
POP_7/90	Estimated population, 1990	Population estimated from 1990 count, birth and death data from April 1, 1990 to July 1, 1990, and estimates of migration for that period. Reference date is July 1, 1990.
POP_7/91	Estimated population, 1991	Population estimated from 1990 count, birth and death data from April 1, 1990 to July 1, 1991, and estimates of migration for that period. Reference date is July 1, 1991.
POP_7/92 to POP_7/95	Estimated population, 1992 to estimated population, 1995	See comments in POP_7/91 segment above.
CHG9091 to CHG9495	Population change, 1990-91 to population change, 1994-95	Number change in the period. It is calculated as (POP_7/91 - POP_7/90)=CHG9091.
PCHG9091 to PCHG9495	Percent population change, 1990-91 to percent population change, 1994-95	Percent change here spans the period July 1, 1990 to July 1, 1991. It is calculated as (CHG9091/POP_7/90) x100 = PCHG9091.
C_CEN_95	Population change, 1990-95	Number change in the period from the 1990 census to the 1995 estimate.
PC_CEN95	Percent population change, 1990-95	Percent change here spans the period April 1, 1990 to July 1, 1995.

3.3.5.10 POPC9094.DBF Contents: 1990-1994 population estimates for U.S. counties Source: U.S. Bureau of the Census, Washington, DC Federal-State Cooperative Program for Population Estimates Shape: Associated with polygons. Number: 3,140 counties (and equivalent areas). Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP.		
Field name	Description	Comments
FIPS	A five-digit county code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia. Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
POP_1990	Total population, 1990	Population enumerated in the 1990 census.
POP_1994	Estimated population, 1994	Population estimated for July 1, 1994. See notes above in POP_95ST.DBF.
P_CHANGE	Population change, 1990-94	As a percent. See notes above in POP_95ST.DBF.

3.3.5.11 POPS9094.DBF Contents: 1990-1994 population estimates for U.S. states Source: U.S. Bureau of the Census, Washington, DC Federal-State Cooperative Program for Population Estimates Shape: Associated with polygons. Number: 50 states and District of Columbia. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
STATE_FIPS	A two-digit state code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
POP_1990	Total population, 1990	Population enumerated in the 1990 census.
POP_1994	Estimated population, 1994	Population estimated for July 1, 1994. See notes above in POP_95ST.DBF.
P_CHANGE	Population change, 1990-94	As a percent. See notes above in POP_95ST.DBF.

3.3.5.12 ST_DATA.DBF Contents: 1990 demographics for U.S. states Source: U.S. Bureau of the Census, Washington, DC 1990 Census of Population and Housing and 1987 Census of Agriculture Shape: Associated with polygons. Number: 50 states and District of Columbia. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
STATE_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
POP1990 to P_MOBILEHM	All data fields	Field names, descriptions, and comments for COUNTY.DBF match those listed in GA_CITY.SHP. See Section 3.1.1.1 above.

3.3.5.13 STABST95.DBF Contents: Selected state rankings from the Statistical Abstract Source: U.S. Bureau of the Census, Washington, DC 1995 Statistical Abstract of the United States Shape: Associated with polygons. Number: 50 states and District of Columbia. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
ST_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
STATES	State name	
P_CODE	Two-letter state postal abbreviation	
POP2010_M	Projected resident population, 2010	Values are presented in thousands, e.g. 4160 for Kentucky represents 4,160,000. Note: Population projections and population estimates are different. An estimate is for the present or recent past and it generally uses recent data (births, deaths, migration "estimates") in its calculations. A projection is for a near or distant future time. The further into the future the more guesswork involved. Projections use recent data too but they rely on models build on patterns and trends.

Field name	Description	Comments
CG19902010	Projected percent change in population, 1990-2010	
P65UP_1994	Estimated percent of population age 65 and over, 1994	
P_METRO_92	Estimated percent of population in metropolitan areas, 1992	
B_RATE_92	Crude birth rate, 1992	Number of live births per 1,000 population. Source: National Center for Health Statistics.
INFMORT_92	Infant mortality rate, 1992	Infant deaths per 1,000 live births, 1992. Source: National Center for Health Statistics.
D_92HEARTD	Heart disease death rate, 1992	Deaths from heart disease per 100,000 persons, 1992. Source: National Center for Health Statistics.
D_92CANCER	Cancer death rate, 1992	Deaths from cancers per 100,000 persons, 1992. Source: National Center for Health Statistics.
PS9093_K8	Percent change in K-8 public school enrollment, 1990-93	Source: National Center for Education Statistics.
PS9093_912	Percent change in public school enrollment for grades 9-12, 1990-93	Source: National Center for Education Statistics.
VCRIME_93	Violent crime rate per 100,000 population, 1993	Rate is the number of crimes per 100,000 population. Violent crimes include events such as murder, assault, and armed robbery. Source: Federal Bureau of Investigation.
SRV_EMP_94	Percent of nonfarm employment in service industries, 1994	Source: Bureau of Labor Statistics.
MFG_EMP_94	Percent of nonfarm employment in manufacturing, 1994	Source: Bureau of Labor Statistics.
MEDHHINC94	Median household income, 1994	Expressed in 1994 dollars. The median represents the middle value. This means that half of the values will be below the median and half above it.
MHHI_9294	Percent change in median household income, 1992-94	
ENRG\$EXP92	Energy expenditures per person, 1992	Expressed in dollars. Source: Energy Information Administration.
HZWASTES94	Hazardous waste sites, 1994	Includes both proposed and final sites listed on the National Priority List for the Superfund Program. Source: Environmental Protection Agency.
P_HM_OWN94	Home ownership rate, 1994	Percent of occupied housing units that are owned or mortgaged.
EXPORT_CHG	Percent change in value of U.S. exports by state of origin, 1993-94	

3.3.5.14 US_LAND.DBF Contents: Land area, 1990 Source: U.S. Bureau of the Census, Washington, DC County and City Data Book, 1994 Shape: Associated with polygons. Number: 3,141 counties (and equivalent areas), 51 states, and U.S. Display: To map these statistical data, file must be joined to the shape file US_CNTY.SHP or US_STATE.SHP.		
Field name	Description	Comments
ST	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
COU	A three-digit county code	Code is unique for counties in a state but county 001, for instance, will repeat in each state.
STCO_FIPS	A five-digit code for a specific county (or equivalent area)	Code is unique for counties regardless of state since it is made up of the two-digit state code and the three-digit county code.
METRO_93	Metropolitan status, 1993	Identifies counties and equivalent areas by metropolitan (code=1) or nonmetropolitan (code=0) classification based on the Office of Management and Budget (OMB) report of June 30, 1993. -99 is used for the nation and states.
AREA_TYPE	Geographic descriptor	Identifies geographic areas generically with codes of Nation, States, Metropolitan, and Nonmetropolitan.
AREANAME	Name of state or county	
LAND_SQMI	Land area, 1990	In square miles rounded to nearest tenth. Land area includes territory that is generally considered to be dry land. The values exclude area covered by water such as lakes, rivers, and coastal territorial waters. Features identified as intermittent water and glaciers are reported here as land area.
LAND_ACRES	Land area, 1990	In acres as whole numbers. See land area definition above.

3.3.5.15 USAIDS95.DBF Contents: 1990-95 AIDS cases for U.S. states Source: Centers for Disease Control, Atlanta, GA Shape: Associated with polygons. Number: 50 states and District of Columbia. Display: To map these statistical data, file must be joined to the shape file US_STATE.SHP.		
Field name	Description	Comments
STATE_FIPS	A two-digit state code; Georgia's code is 13	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, like the state postal code GA for Georgia.
AIDS_10190	AIDS cases, 10/1/90	Represents the cumulative number of AIDS cases reported for that state at that time.
AIDS_10191 to AIDS_10192	AIDS cases, 10/1/91 to AIDS cases, 10/1/95	Represents the cumulative number of AIDS cases reported for that state at that time.
C_100K_N92	AIDS rate, 1992	Rate is the number of AIDS cases per 100,000 population.
C_100K_N93 to C_100K_N94	AIDS rate, 1993 to AIDS rate, 1994	Rate is the number of AIDS cases per 100,000 population.

3.3.6 \TABLE\WORLD\ World data files

3.3.6.1 DEMOG.DBF		
Contents: Basic demographic and economic statistics for countries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Shape: Associated with polygons. Number: 168 countries/areas (excludes many islands and small nations). Display: To map these statistical data, file must be joined to the shape file COUNTRY.SHP.		
Field name	Description	Comments
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
ABBREVNNAME	Abbreviated country name	This database includes 168 countries and land masses including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea.
TOT_POP	Total population, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.
TOT_POP80	Total population, 1980	-99 identifies an item for which no data were available or data were not applicable.
GRW_RATE	Annual population growth rate, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable. Values are presented as percents of population change.
GRW_RATE80	Annual population growth rate, 1980	-99.00 identifies an item for which no data were available or data were not applicable. Values are presented as percents of population change.
DOUBLETM	Population doubling time, 1989	Doubling time refers to the number of years it would take the area's population to double based on the 1989 population rate as a constant. -99.00 identifies an item for which no data were available or data were not applicable. Values of zero are tied to population growth rates that were zero or negative. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country.
DOUBLETM80	Population doubling time, 1980	See doubling time definition above. -99.00 identifies an item for which no data were available or data were not applicable. Values of zero are tied to population growth rates that were zero or negative.

Field name	Description	Comments
PR_POP2000	Projected population, 2000	Based on the area's 1989 population and growth rate. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.
P_0_14_89	Percent of population age 0-14, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
P_15-64_89	Percent of population age 15-64, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
P_URBAN89	Percent of population residing in urban areas, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
POPENSITY	Population density, 1989	Population per square mile of surface area. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
BIR_RATE	Crude birth rate, 1989	Number of births per 1,000 persons. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.0 identifies an item for which no data were available or data were not applicable.
BIR_RATE80	Crude birth rate, 1980	Number of births per 1,000 persons. -99.0 identifies an item for which no data were available or data were not applicable.
DTH_RATE	Crude death rate, 1989	Number of deaths per 1,000 persons. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.0 identifies an item for which no data were available or data were not applicable.
DTH_RATE80	Crude death rate, 1980	Number of deaths per 1,000 persons. -99.0 identifies an item for which no data were available or data were not applicable.

Field name	Description	Comments
FERTILITY	Fertility rate, 1989	Average number of children that would be born alive to a woman during her lifetime if she were to bear children according to prevailing age-specific fertility rates. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
FERTILTY80	Fertility rate, 1980	See fertility rate definition above. -99.00 identifies an item for which no data were available or data were not applicable.
LIFE_EXP	Life expectancy, 1989	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. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
LIFE_EXP_F	Female life expectancy, 1989	See life expectancy definition above. -99.00 identifies an item for which no data were available or data were not applicable.
P_AGLAND	Percent of land in agriculture, 1989	Amount of land in agriculture for 1989 expressed as a percent of total land area. Includes areas used for crops, pasture, market or kitchen gardens, and land lying fallow. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable.
PCT_POP_AG	Percent of population dependent on agriculture, 1990	Presented in unique ranges of 1-10%, 11-25%, 26-50%, 51-75%, and Greater than 75%. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.
GNP_CAP	Gross national product (GNP) per capita, 1989	In U.S. dollars. GNP is the value of all goods and services produced in a country in a year. Value here depicts GNP averaged over the entire population. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.

Field name	Description	Comments
PCT_F_WORK	Percent of females in the workforce, 1989	Women in paid employment as a percentage of the total workforce. Presented in unique ranges of 0%, 1-10%, 11-20%, 21-30%, 31-40%, and Greater than 40%. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.
PCT_TRADE	Exports as percent of gross domestic product, 1988	Value of exports as percent of GDP. GDP is the value of all goods and services produced in a country in a year, excluding payments on foreign investments. Presented in unique ranges of 1-10%, 11-20%, 21-30%, 31-40%, 41-50%, and Greater than 50%. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.
TRADE_BAL	Trade balance, 1988	Value of exports in proportion to the value of imports. Presented in unique ranges of Either side by 10%, Exports exceed imports by 10-50%, Exports exceed imports by greater than 50%, Imports exceed exports by 10-50%, Imports exceed exports by greater than 50%. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. - 99 identifies an item for which no data were available or data were not applicable.
ENERGY_BAL	Energy balance, 1989	Difference between energy production and energy consumption in millions of tons of oil equivalent (MTOE). Presented in unique ranges of 1-40 MTOE deficit, 1-40 MTOE surplus, Approximate balance, Greater than 40 MTOE deficit, Greater than 40 MTOE surplus. For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. - 99 identifies an item for which no data were available or data were not applicable.

3.3.6.2 POL_ORG.DBF Contents: 1993 world political organization membership for countries Source: ArcView 2.x Sample Data, ESRI, Redlands, CA Parent: Central Intelligence Agency, Washington, DC, The World Factbook, 1993 Shape: Associated with polygons. Number: 168 countries/areas (excludes many islands and small nations). Display: To map these statistical data, file must be joined to the shape file COUNTRY.SHP.		
Field name	Description	Comments
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
ABBREVNNAME	Abbreviated country name	This database includes 168 countries and land masses including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea.
REGION	World region	
CONTINENT	Continent	
CAPITAL	Name of capital city	
FAO	FAO membership	Indicates whether country is member of United Nations' Food and Agriculture Organization. Yes or no.
GA_MEMB_YR	UN General Assembly membership	Indicates year country joined United Nation's General Assembly, or zero if country not member.
IAEA	IAEA membership	Indicates whether country is member of United Nations' International Atomic Energy Agency. Yes or no.
IBRD	IBRD membership	Indicates whether country is member of United Nations' International Bank of Reconstruction and Development. Part of the World Bank. Yes or no.
IMF	IMF membership	Indicates whether country is member of United Nations' International Monetary Fund. Yes or no.
OPEC	OPEC membership	Indicates whether country is member of Organization of Petroleum Exporting Countries. Yes or no.
UNESCO	UNESCO membership	Indicates whether country is member of United Nations' Education, Scientific, and Cultural Organization. Yes or no.
WHO	WHO membership	Indicates whether country is member of United Nations' World Health Organization. Yes or no.
WMO	WMO membership	Indicates whether country is member of United Nations' World Meteorological Organization. Yes or no.

3.3.6.3 UNHIV.AID.DBF Contents: 1979-95 HIV and AIDS statistics for countries Source: Global Programme on AIDS World Health Organization, Geneva, Switzerland Shape: Associated with polygons. Number: 165 countries/areas (excludes many islands and small nations). Display: To map these statistical data, file must be joined to the shape file COUNTRY.SHP. Special: The WHO's Global Programme on AIDS is charged with collecting and reporting data on AIDS and HIV cases around the world. It receives information from reporting health and related organizations within individual countries. It also creates estimates based on data available and analytical health and demographic models. The data provide an ongoing and cumulative count of AIDS cases and estimates of persons living with HIV infections by country and region. While the data in this file are reported by the WHO, their ultimate source is the individual reporting country. In using the data, notice some of the variation in values. For instance, mainland China, with a population of well over one billion people, reported a cumulative total of 77 AIDS cases for the period 1979-1995. On the other hand, the single largest number of reported AIDS cases (501,310 cases) is in the United States, a nation with about one-quarter of China's population. There are also highly visible high and low regional patterns in Africa, industrialized nations, the Middle East, and Asia. Consider internal issues that may have an effect on the numbers reported such as a country's development status or political alignment, or social or religious issues that might affect the information reported. While some of these numbers are suspect, remember that this represents the best and most complete country-level global data base on AIDS and HIV available. To find out more, explore the WHO Global Programme on AIDS at http://gpawwww.who.ch/gpahome.htm .		
Field name	Description	Comments
NAME	Country name	This database includes 165 countries and land masses including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea.
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
ADULT_HIV94	Adult HIV cases, 1994	Estimated number of adults in a country infected with HIV as of 12/31/94. Note: No definition of "adult" was provided at the UN web site. Other information at the web site seems to indicate that these HIV figures and rates relate to sexually-active adults. -99 identifies an item for which no data were available or data were not applicable.
R_ADULT_HIV	Percent of adult population with HIV infection, 1994	Estimated rate (expressed as a percent) of the adult population infected with HIV at the close of 1994. -99.000 identifies an item for which no data were available or data were not applicable.
AIDS_7992	Cumulative AIDS cases, 1979-92	Cumulative number of AIDS cases reported from 1979 through 1992. -99 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.

Field name	Description	Comments
AIDS_93	New AIDS cases, 1993	Number of new AIDS cases reported in 1993. -99 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.
RATE93	AIDS rate, 1993	Rate of new AIDS cases expressed as per 100,000 population, 1993. -99.0 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.
AIDS_94	New AIDS cases, 1994	Number of new AIDS cases reported in 1994. -99 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.
RATE94	AIDS rate, 1994	Rate of new AIDS cases expressed as per 100,000 population, 1994. -99.0 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.
AIDS_95	New AIDS cases, 1995	Number of new AIDS cases reported in 1995. -99 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.
CUMCASES	Cumulative AIDS cases, 1979-95	Cumulative number of AIDS cases reported from 1979 through 1995. -99 identifies an item for which no data were available or data were not applicable. Also, WHO reports many zero values. These can be misleading since some zero values are listed for time periods when a country did not necessarily report anything, e.g. Namibia in 1994 and 1995.
LASTREPORT	Date of last report to WHO	Date the reporting country last filed a report. For instance, 12/31/93 for Namibia.
TOT_POP	Total population, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99 identifies an item for which no data were available or data were not applicable.

Field name	Description	Comments
TOT_POP80	Total population, 1980	-99 identifies an item for which no data were available or data were not applicable.
GRW_RATE	Annual population growth rate, 1989	For countries formed after 1989 (such as Russia and Slovenia) values are the most current estimates available or were extrapolated from values for the former country. -99.00 identifies an item for which no data were available or data were not applicable. Values are presented as percents of population change.
GRW_RATE80	Annual population growth rate, 1980	-99.00 identifies an item for which no data were available or data were not applicable. Values are presented as percents of population change.

3.3.6.4 W_CENSUS.DBF Contents: Demographic data for 1994 and 2020 for countries Source: U.S. Bureau of the Census, Washington, DC World Demographic Maps, 1994 Shape: Associated with polygons. Number: 226 countries/areas (includes many islands and small nations). Display: To map these statistical data, file must be joined to the shape file COUNTRY.SHP.		
Field name	Description	Comments
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
NAME	Country name	This database includes 226 countries and territories including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea.
POP94	Total population, 1994	Estimate presented in thousands.
POP94_2020	Population change, 1994-2020	Projected change presented in thousands.
P_GRWTH_R	Population growth rate, 1994	Rate presented as percent.
P_POP_LT15	Percent population under age 15, 1994	Presented as percent of total population. -99.9 identifies an item for which no data were available or data were not applicable.
P_POP_GT60	Percent population age 60 and over, 1994	Presented as percent of total population. -99.9 identifies an item for which no data were available or data were not applicable.
TOT_FERT_R	Total fertility rate, 1994	Average number of children that would be born alive to a woman during her lifetime according to prevailing age-specific fertility rates.

Field name	Description	Comments
ADOL_FRT_R	Adolescent fertility rate, 1994	Annual number of births per 1,000 women ages 15-19 years. -99.9 identifies an item for which no data were available or data were not applicable.
P_TOT_FRT	Adolescent fertility as percent of total, 1994	Adolescent fertility as a percent of total fertility. -99.9 identifies an item for which no data were available or data were not applicable.
INF_MORT_R	Infant mortality rate, 1994	Deaths of infants under 1 year of age per 1,000 live births.

3.3.6.5 W_NEWSWK.DBF Contents: Recent demographic and socioeconomic data for countries Source: Newsweek Education Program , New York, NY, Newsworks X Shape: Associated with polygons. Number: 172 countries/areas (excludes many islands and small nations). Display: To map these statistical data, file must be joined to the shape file COUNTRY.SHP.		
Field name	Description	Comments
FIPS_CODE	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
NAME	Country name	This database includes 172 countries and territories including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea.
WORLDREG	World region	
SQKM_K	Land and water area	Presented in thousands of square kilometers. -99 identifies an item for which no data were available or data were not applicable.
POP_K	Estimated total population, 1995	Estimate presented in thousands. -99 identifies an item for which no data were available or data were not applicable.
GRWRATE	Rate of population growth, 1990-1995	Estimated rate presented as a percent. -99.99 identifies an item for which no data were available or data were not applicable.
URBPOP	Percent urban population	Presented as a whole percent. No year given. -99 identifies an item for which no data were available or data were not applicable.
MIG_RATE	Migration rate	The number (+ or -) of people per thousand who migrate to or from the country per year. No year given. -99.9 identifies an item for which no data were available or data were not applicable.
POP<15	Percent of population under age 15	No year given. -99.9 identifies an item for which no data were available or data were not applicable.

Field name	Description	Comments
POP65+	Percent of population age 65 and over	No year given. -99.9 identifies an item for which no data were available or data were not applicable.
LIFEXPCT	Life expectancy, 1995	Average number of years a person might expect to live if born in 1995. -99 identifies an item for which no data were available or data were not applicable.
CONTRCEP	Percent married women using contraception	Percentage of married couples of child-bearing age that use some form of contraceptive. No year given. -99 identifies an item for which no data were available or data were not applicable.
INFMORTRT	Infant mortality rate	The annual number of deaths of infants under 1 year of age per 1,000 live births. No year given. -99 identifies an item for which no data were available or data were not applicable.
POPPDOC	Population per doctor	Average number of people per medical doctor. No year given. -99 identifies an item for which no data were available or data were not applicable.
HEAL\$PCAP	Health dollars per capita	The amount of public funds per capita spent on medical care and other health services. No year given. -99 identifies an item for which no data were available or data were not applicable.
SAFEWATER	Percent with safe water	Percent of population with reasonable access to safe water supply. No year given. -99 identifies an item for which no data were available or data were not applicable.
SANITATION	Percent with sanitation	Percent of population with current access to sanitation services. No year given. -99 identifies an item for which no data were available or data were not applicable.
HUMANDEV	Human development index	An index developed by the United Nations based on a combination of income, mean years in school for the population, and life expectancy. The higher the value the higher the human development. No year given. -99.000 identifies an item for which no data were available or data were not applicable.
NEWSPRS_K	Newspaper circulation	Number of daily newspapers in circulation per 1000 people. No year given. -99 identifies an item for which no data were available or data were not applicable.
YRSSCHL	Years in school	The average number of years spent in school by people age 25 and older. No year given. -99.0 identifies an item for which no data were available or data were not applicable.
PRIMARY_SC	Primary school enrollment	The percentage of children ages 6 to 11 enrolled in school. Since many children are in primary school before the age of 6 and after the age of 11, this number may exceed 100%. No year given. -99 identifies an item for which no data were available or data were not applicable.

Field name	Description	Comments
SECONDARY	Secondary school enrollment	The percentage of children aged 12 to 17 enrolled in secondary school. Since some children are in secondary school before the age of 12 and after the age of 17, this number may exceed 100%. No year given. -99 identifies an item for which no data were available or data were not applicable.
TERTIARY	Post-secondary school enrollment	Percentage of ages 20 to 24 population enrolled in post-secondary education, i.e., colleges, universities, adult education programs, technical and vocational programs. No year given. -99 identifies an item for which no data were available or data were not applicable.
STUDPTCH	Ratio of students to teachers	The number of students enrolled in schools divided by the number of employed teachers. No year given. -99 identifies an item for which no data were available or data were not applicable.
ED\$PCAP	Education dollars per capita	Public expenditures per capita for public education and subsidized private education, preschool through university levels, in U.S. dollars. No year given. -99 identifies an item for which no data were available or data were not applicable.
ED\$STUD	Education dollars per student	Average expenditures for each student enrolled in public education, in U.S. dollars. No year given. -99 identifies an item for which no data were available or data were not applicable.
EXPORTM	Value of exports, 1992	The total value of exports measured in millions of U.S. dollars. -99.0 identifies an item for which no data were available or data were not applicable.
EXPTOUSA	Percent of exports to the U.S., 1992	The percent of all exports from a country sent to the United States. -99.00 identifies an item for which no data were available or data were not applicable.
IMPORTM	Value of imports, 1992	The total value of imports measured in millions of U.S. dollars. -99.0 identifies an item for which no data were available or data were not applicable.
IMPFMUSA	Percent of imports from the U.S., 1992	The percent of imports sent to a country from the United States. -99.00 identifies an item for which no data were available or data were not applicable.
ENERGYUS	Per capita energy use	Annual average per capita energy use, measured in kilograms of oil equivalents. No year given. -99 identifies an item for which no data were available or data were not applicable.
PHONES_K	Telephones per 1,000 people	No year given. -99 identifies an item for which no data were available or data were not applicable.
RADIOS_K	Radios per 1,000 people	No year given. -99 identifies an item for which no data were available or data were not applicable.
TVS_K	Televisions per 1,000 people	No year given. -99 identifies an item for which no data were available or data were not applicable.
CINEMAVS	Average cinema visits per year	Average number of cinema visits per person, annually. No year given. -99.0 identifies an item for which no data were available.

Field name	Description	Comments
CARS_K	Motor vehicles per 1,000 people	No year given. -99 identifies an item for which no data were available or data were not applicable.
HIWAY_KM	Kilometers of highways	Total kilometers of roads and highways. No year given. -99 identifies an item for which no data were available or data were not applicable.
PROLAND	Percent protected land	Percent of land area under conservation, including wilderness areas. No year given. -99 identifies an item for which no data were available or data were not applicable.
ARALAND	Percent arable land	Percentage of land used for growing crops. No year given. -99 identifies an item for which no data were available or data were not applicable.
AGLABOR	Percent of labor in agriculture	Percentage of labor force engaged in agricultural production. No year given. -99 identifies an item for which no data were available or data were not applicable.
WATERPCAP	Per capita water use	Annual per capita use of water, in cubic meters. No year given. -99 identifies an item for which no data were available or data were not applicable.
MIL\$PCAP	Per capita military spending	Annual public expenditures per capita to support military personnel, facilities, and equipment. No year given. -99 identifies an item for which no data were available or data were not applicable.
GNPGRWTH	GNP growth rate	The annual percentage of increase or decrease reflected in the GNP from the previous year. No year given. -99 identifies an item for which no data were available or data were not applicable.
INFLRATE	Inflation rate	The percentage of consumer price increases from the previous year. No year given. -99 identifies an item for which no data were available or data were not applicable.
ORGANIZATN	World organizations to which the country belongs	Membership in major international organizations. These include: United Nations (UN), European Community (EC), European Free Trade Association (EFTA), Association of Southeast Asian Nations (ASEAN), Group of Seven (G-7), Arab League, North Atlantic Treaty Organization, Organization of American States (OAS), Organization of Petroleum Exporting Countries (OPEC), North American Free Trade Association (NAFTA), Commonwealth of Nations (Commonwealth), Commonwealth of Independent States (CIS), Caribbean Community and Common Market (CARICOM), Organization for Economic Cooperation and Development (OECD), Organization of African Unity (OAU). No year given. -99 indicates no data were available .
TOURISTS_K	Tourists	Number of tourists visiting country annually, in thousands. No year given. -99 identifies an item for which no data were available.

Field name	Description	Comments
POPGROW70	Population growth rate, 1970-1975	Average annual population growth rate, expressed as a percent. -99.00 identifies an item for which no data were available or data were not applicable.
INFMORT70	Infant mortality rate, 1970	The annual number of deaths of infants under 1 year of age per 1,000 live births. -99 identifies an item for which no data were available or data were not applicable.
LIFEXP70	Life expectancy, 1970	Average number of years a person might expect to live if born in 1970. -99 identifies an item for which no data were available or data were not applicable.
URBPOP70	Percent urban population, 1970	Percent of population living in urban areas. -99 identifies an item for which no data were available or data were not applicable.
NRGUSE70	Energy use, 1970	Annual average per capita energy use, measured in kilograms of oil equivalents. -99 identifies an item for which no data were available or data were not applicable.
LITRACY70	Literacy rate, 1970	Percentage of persons age 15 and older who can, with understanding, both read and write a short simple statement on their everyday life. -99 identifies an item for which no data were available or data were not applicable.
SECSCH70	Secondary school, 1970	The percentage of children aged 12 to 17 enrolled in secondary school. -99 identifies an item for which no data were available or data were not applicable.
IMP75\$M	Value of imports, 1975	The total value of imports measured in millions of U.S. dollars. -99 identifies an item for which no data were available or data were not applicable.
EXP75\$M	Value of exports, 1975	The total value of exports measured in millions of U.S. dollars. -99 identifies an item for which no data were available or data were not applicable.

3.3.6.6 W_PRB94.DBF Contents: Recent demographic data for countries Source: Population Reference Bureau, Washington, DC 1994 World Population Data Sheet Shape: Associated with polygons. Number: 236 countries/areas (includes many islands and small nations). Display: To map these statistical data, file must be joined to the shape file COUNTRY.SHP.		
Field name	Description	Comments
FIPS	Two-character alphabetic code	FIPS stands for Federal Information Processing Standards. These are codes given to standardize geographic data recording, such as FR for France.
PLACE	Country or area name	This database includes 236 countries and territories including those countries created from the former Soviet Union, Yugoslavia, and Czechoslovakia, such as Russia and Slovenia, and the new African nation of Eritrea.
REGION	World region	
CONTINENT	Continent	
P1994K	Mid-1994 population	In thousands.
CBR_K	Crude birth rate, 1994	Annual number of births per 1,000 total population. -99.00 identifies an item for which no data were available or data were not applicable.
BIRTHS	Estimated number of births, 1994	-99 identifies an item for which no data were available or data were not applicable.
CDR_K	Crude death rate, 1994	Annual number of deaths per 1,000 total population. -99.00 identifies an item for which no data were available or data were not applicable.
DEATHS	Estimated number of deaths, 1994	-99 identifies an item for which no data were available or data were not applicable.
RNI	Rate of natural increase, 1994	Birth rate minus death, implying an annual rate of population growth without regard for migration. Expressed as a percent. -99.00 identifies an item for which no data were available or data were not applicable.
NI	Natural increase, 1994	Estimated births minus deaths. -99 identifies an item for which no data were available or data were not applicable.
DOUBLETM	Population doubling time, 1994	Doubling time refers to the number of years it would take the area's population to double based on the 1994 population rate as a constant. -99.00 identifies an item for which no data were available or data were not applicable.
P2010K	Projected population, 2010	
P2025K	Projected population, 2025	

Field name	Description	Comments
INFM_KB	Infant mortality rate, 1994	Annual number of deaths of infants under age one per 1,000 live births. -99.00 identifies an item for which no data were available or data were not applicable.
INFD	Infant deaths, 1994	-99 identifies an item for which no data were available or data were not applicable.
TFR	Total fertility rate, 1994	Average number of children a woman will have in her childbearing years (generally ages 15-49). -99 identifies an item for which no data were available or data were not applicable.
UNDER15P	Percent of population under age 15, 1994	-99.00 identifies an item for which no data were available or data were not applicable.
UNDER15K	Population under age 15, 1994	In thousands. -99 identifies an item for which no data were available or data were not applicable.
OVER65P	Percent of population age 65 and over, 1994	-99.00 identifies an item for which no data were available or data were not applicable.
OVER65K	Population under age 15, 1994	In thousands. -99 identifies an item for which no data were available or data were not applicable.
LFEXPBY	Life expectancy at birth, 1994	Average number of years a newborn can expect to live under current mortality conditions. -99 identifies an item for which no data were available or data were not applicable.
LFEXPMY	Male life expectancy at birth, 1994	Average number of years a newborn can expect to live under current mortality conditions. -99 identifies an item for which no data were available or data were not applicable.
LFEXPFY	Female life expectancy at birth, 1994	Average number of years a newborn can expect to live under current mortality conditions. -99 identifies an item for which no data were available or data were not applicable.
URBANP	Percent urban population, 1994	Percent of population living in areas termed urban by that country. Typically towns of 2,000 persons or more. -99.00 identifies an item for which no data were available or data were not applicable.
URBANK	Estimated urban population, 1994	In thousands. -99 identifies an item for which no data were available or data were not applicable.
DATA	Data availability indicator	Provides a general indication of data availability. It ranges from A to D. With A meaning a country has complete vital statistics data and a national census or population register and D meaning little or no reliable demographic data. -99 identifies an item for which no data were available or data were not applicable.
CNTRPVALL	Percent contraceptive use, all forms, 1986-1994	Percent of married women of reproductive age using any form of contraception. -99.0 identifies an item for which no data were available or data were not applicable.
CNTRPRVMOD	Percent contraceptive use, "modern" forms, 1986-1994.	See CNTRPVALL for notes. Modern includes forms such as the pill, condoms, and IUD. -99.0 indicates no data were available.

Field name	Description	Comments
CNTRSURVY	Year of contraception survey	Relates to above contraception data. -99 identifies an item for which no data were available or data were not applicable.
GVFL	Government view of current birth rate	H = too high, S = satisfactory, L = too low. -99 identifies an item for which no data were available or data were not applicable.
GNPPC92	Estimated per capita Gross National Product, 1992	Per capita value of all domestic and foreign output expressed in U.S. dollars. -99 identifies an item for which no data were available or data were not applicable.
SXRATIO1	Sex ratio, 1994	The ratio of males to females. -99.00 identifies an item for which no data were available or data were not applicable.
SXRATIO2	Males per 100 females, 1994	This is similar to the variable SXRATIO1. In this case, the value is expressed as the number of men for every 100 women. Values above 100 mean there are more men than women. -99 identifies an item for which no data were available or data were not applicable.