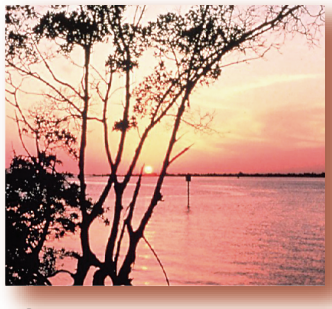

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South Florida Basin GIS Data / Metadata

A geographic information system (GIS) focusing on the Florida Peninsula was developed as a visual-analysis tool for the U.S. Geological Survey's National Assessment of Oil and Gas Project encompassing the South Florida Basin.

The spatial data that formed the basis of the South Florida Basin GIS is contained on this CD-ROM in the GIS/DATA folder. Data focuses on the extent of the South Florida Basin and details its petroleum systems and related geological data, as well as background environmental and infrastructure features within the area. Several data formats are provided, as noted by subfolders SHAPE, COVERS, E00, and SDTS within the DATA folder. Spatial files are provided in each format, but background spatial data is provided only as shapefiles and coverages due to data-storage limitations of the CD-ROM.

Metadata is provided in HTML format for the spatial data in GIS/METADATA/HTML (best viewed using Internet Explorer 5.5 or later) and in GEN file format in GIS/METADATA/TEXT (these files can be opened by word-processing programs such as Notepad, Wordpad, or MS Word). Explanations of HTML metadata filenames are given below in the Metadata section.

Background Data

- Aquifers from Principal Aquifers of the Contiguous U.S.
- Bedrock from Geologic Units of the Contiguous U.S. (King, Beikman)
- Cities from Cities and Towns of the United States (USGS DLG)
- Counties from U.S. Census Large Scale County Boundaries of the Contiguous U.S. (TIGER)
- Demography from Tract Demographics (TIGER_CENSUS)
- Federal Land from Federal Land Status
- Faults from Geologic Faults of the Contiguous U.S. (King, Beikman)
- Regional Watershed from Hydrological Unit Code (USGS)
- Lakes from Hydrology—Lakes and Reservoirs (USGS DLG)
- Land Use from Major Land Uses of the Contiguous U.S.
- Latitude and Longitude from Latitude and Longitude Grid of the Contiguous U.S.
- PLSS from Public Land Survey System of the Contiguous U.S. (PLSS)
- Roads from Major Roads of the U.S. (USGS DLG)
- Rivers and Canals from Hydrology—Streams and Rivers (USGS DLG)
- State from State Boundaries of the U.S. (USGS DLG)
- Wetlands from National Wetland Inventory (U.S. FWS)

Display Options

There are several display options available to view spatial data contained on this CD-ROM:

ArcView

A customized ArcView project has been included (GIS/SFB.apr) to facilitate the display of the data. This project is included on the CD-ROM under the assumption that a large portion of viewers will have access to ArcView software. While not necessary to view the data, it is expected that the use of this project will lend more functionality to the data.

How to Open the ArcView Project—Setting Environmental Variables Prior to Launching ArcView Project SFB.apr

The ArcView project file SFB.apr makes use of the variable AVDATASFB to construct an appropriate path to the data files. In the case of this project, the variable AVDATASFB points to the root of this disc. Modify the value set for the AVDATASFB variable as needed.

On a Windows 95/98 platform modify the "autoexec.bat" to define the AVDATASFB variable. When the "autoexec.bat" has been updated, it is necessary to reboot for the changes to take effect.

On a Windows NT platform define the AVDATASFB variable.

On a UNIX platform modify the ".cshrc" file by setting the environmental variable.

CD-ROM Drive

The default is to read the ArcView project from the CD-ROM drive. The three platform alternatives should be able to use the project directly from the CD-ROM if various "start-up" files are correctly set.

On a Windows 95/98 machine it is assumed that the CD-ROM drive is labeled with a letter, such as f: or g:. Modify the "autoexec.bat" with a statement like:

SET AVDATASFB = d: (d represents the logical drive letter of the CD-ROM).

This will point the project paths to the root of this disc. The machine must be restarted for the changes to take effect.

Windows NT users can define AVDATASFB by mouse clicking to START, SETTINGS, CONTROL PANEL, SYSTEM, then ENVIRONMENT. Define AVDATASFB as the variable, and the CD-ROM drive letter followed by a colon as the value.

With a UNIX machine it is assumed that the CD-ROM drive is referred to as /cdrom. Modify the ".cshrc" file with a statement like:

setenv AVDATASFB/cdrom/DDS_69A. This will point the project paths to the root of this disc.

ArcExplorer

If ArcView software is not available, the data (shapefiles) can be viewed using ESRI freeware—ArcExplorer. This freeware may be downloaded from ESRI at www.ESRI.com.

Other

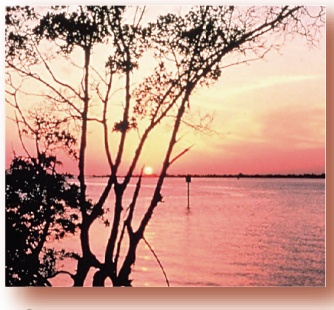
The spatial data are also provided as ArcInfo 7.2.1 coverages (see GIS/DATA/COVERS folder) and as ESRI's E00 files (GIS/DATA/E00), should the user need to view the data in ArcInfo or a non-ESRI application.

Metadata

Metadata is stored as HTML files on this CD-ROM in GIS/METADATA/HTML and as GEN files in GIS/METADATA/TEXT. The following list relates HTML metadata filenames to the subject covered.

Filename	Subject covered
AU500101.htm	Lower Cretaceous Onshore Shoal-Reef Oil Assessment Unit
AU500201.htm	Pre-Punta Gorda Onshore Dolomite Gas and Oil Assessment Unit
FL_APRT.htm	Major Airports in Florida
FL_MIN8.htm	Refractory, Abrasive, and Other Industrial Minerals Operations in Florida
FL_PIPE.htm	Natural Gas Pipelines in Florida
FL_PWR.htm	Electric Power Plants in Florida
MSR5001.htm	Pods of Active Source Rock for TPS 5-050-01
MSR5002.htm	Pods of Active Source Rock for TPS 5-050-02
P5000.htm	Province 50—Florida Peninsula
P5001.htm	Upper Sunniland Tidal Shoal Oil Play
P5002.htm	Lower Sunniland Fractured Dark Carbonate Oil Play
P5003.htm	Dollar Bay Shoal-Reef Dolomite Oil Play
P5004.htm	Lower Cretaceous Carbonate Composite Oil Play
P5005.htm	Extended Upper Sunniland Tidal Shoal Oil Play
P5006.htm	Wood River Gas Play
P50CLS.htm	Florida Peninsula Province ¼-Mile Cells
SFB_AQ.htm	Principal Aquifers Within the General Vicinity of the South Florida Basin
SFB_BED.htm	Bedrock Geology Within the Vicinity of South Florida Basin
SFB_CNTY.htm	County Boundaries Within the General Vicinity of South Florida Basin
SFB_CTY.htm	Cities and Towns Within the General Vicinity of South Florida Basin
SFB_DEMO.htm	Census Data Within the General Vicinity of the South Florida Basin

SFB_FED.htm	Federal and Indian Land Features Within the General Vicinity of South Florida Basin
SFB_GRAT.htm	Graticule for the General Vicinity of the South Florida Basin
SFB_HUC.htm	Regional Watersheds Within the General Vicinity of South Florida Basin
SFB_LAKE.htm	Open Water Within the General Vicinity of South Florida Basin
SFB_LU.htm	Major Land Uses Within the General Vicinity of South Florida Basin
SFB_PLS.htm	Public Land Survey System Within the General Vicinity of South Florida Basin
SFB_RIV.htm	Rivers and Canals Within the General Vicinity of South Florida Basin
SFB_ROAD.htm	Major Roads Within the General Vicinity of South Florida Basin
SFB_SHR.htm	Shoreline Within the General Vicinity of South Florida Basin
SFB_ST.htm	State Boundaries Within the General Vicinity of South Florida Basin
SFB_UPLF.htm	Positive Structural Elements Within the South Florida Basin
SFB_WET.htm	Wetlands Within the General Vicinity of the South Florida Basin
SFBFAULT.htm	Faults Within the General Vicinity of South Florida Basin
SFBLTLG.htm	Latitude and Longitude Grid Within the General Vicinity of South Florida Basin
TPS0501.htm	Total Petroleum System, Sunniland / Dollar Bay
TPS0502.htm	Total Petroleum System, Pre-Punta Gorda
US_PRV_A.htm	National Oil and Gas Assessment, Region 6—Region and Province Boundaries
US_REG_A.htm	National Oil and Gas Assessment Regions



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