

**DDS - 69 - M
GIS PROJECT**

North Cuba Basin Province GIS Project

**DISPLAY
OPTIONS**

A geographic information system (GIS) focusing on northwestern Cuba was developed as a visual-analysis tool for the U.S. Geological Survey's World Assessment of Oil and Gas Project encompassing the North Cuba Basin Province.

BASE DATA

The spatial data that formed the basis of the North Cuba Basin Province GIS are contained on this CD-ROM in the SPATIAL/SHAPE folder. The data focus on the extent of the North Cuba Basin Province and emphasize its petroleum systems and related geology.

METADATA

For more information select a topic on the left.

**INTERACTIVE
MAPS**

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North Cuba Basin Province GIS Project - Display Options

**DISPLAY
OPTIONS**

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

ArcMap

A customized ArcMap project has been included (SPATIAL/Cuba.mxd) to facilitate the display and analysis of many layers of spatially-related data. This project is included on the CD-ROM under the assumption that a large portion of users will have access to ArcMap software. While not necessary to utilize the data, it is expected that this project provides presentation of and lends more functionality to the data. To open the project, start ArcMap and navigate to the file location on this CD-ROM (SPATIAL/Cuba.mxd).

BASE DATA

METADATA

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ArcReader

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An ArcReader project has also been created for those who don't have access to ArcMap software. ArcReader is a free GIS viewer provided by ESRI. To open the ArcReader project, download and install the software from ESRI, start the program, and navigate to the file found on this CD-ROM (SPATIAL/Cuba.pmf) This freeware can be downloaded from www.esri.com or by clicking on the link below:

[Download ArcReader Software](#)

Other

Data are also provided in ESRI shapefile format (SPATIAL/SHAPE folder).

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North Cuba Basin Province GIS Project - Base Cartographic Data

**DISPLAY
OPTIONS**

The majority of the base cartographic layers used in the North Cuba Basin Province GIS project were obtained from the USGS Central Resources Energy Team web site, <http://pubs.usgs.gov/of/1997/ofr-97-470/OF97-470K/>. Metadata for these base layers links to the original datasets.

BASE DATA

To view the metadata file click on the metadata link to the left.

METADATA

BASE CARTOGRAPHIC LAYERS FROM OPEN FILE REPORT 97-470-K

Surface Geology

Faults

Oil and Gas Field Centerpoints

Geologic Provinces

Political Boundaries

Cities

Shaded Relief Image

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North Cuba Basin Province GIS Project - Metadata

**DISPLAY
OPTIONS**

Metadata for the spatial files provided on this CD-ROM are contained in the SPATIAL/Doc folder. These files were created using ESRI's ArcCatalog. All metadata is provided in HTML format (best viewed in Internet Explorer 5.5 or later) and in XML format. The XML metadata files are intended for viewing in ESRI's ArcCatalog software.

BASE DATA

The majority of the spatial data provided on this CD-ROM was acquired from the USGS Central Energy Resources Team's data library or USGS publication

METADATA

Open-File Report 97-470-K, Map Showing Geology, Oil and Gas Fields, and Geologic Provinces of the Caribbean Region. Spatial data specific to the North Cuba Basin Province Assessment were created as a result of this study. All spatial data contained on this CD-ROM are in a geographic WGS84 projection unless otherwise noted.

**INTERACTIVE
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To view the metadata file click on a theme below.

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[BASE CARTOGRAPHIC DATA](#)

[ASSESSMENT DATA](#)

[Jurassic-Cretaceous Composite Total Petroleum System 611701](#)

[North Cuba Fold and Thrust Belt Assessment Unit 61170101](#)

[North Cuba Foreland Basin Assessment Unit 61170102](#)

[North Cuba Platform Margin Carbonate Assessment Unit 61170103](#)

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North Cuba Basin Province GIS Project - Metadata (cont.)

Metadata for the Base Cartographic GIS Layers.

To view the metadata file click on a theme below:

**DISPLAY
OPTIONS**

[Surface Geology](#)

[Faults](#)

[Oil and Gas Field Centerpoints](#)

[Geologic Provinces](#)

[Political Boundaries](#)

[Cities](#)

[Shaded Relief Image](#)

BASE DATA

METADATA

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North Cuba Basin Province GIS Project - Internet Map Service

**DISPLAY
OPTIONS**

The U.S. Geological Survey Central Energy Team has developed an Internet Map Application to deliver GIS data and functionality to the public. Various assessment results can be viewed and or downloaded from the internet website. This can be used as an alternate to the GIS data and projects provided on this CD-ROM. To access the North Cuba Basin Province interactive map click on the graphic below:

BASE DATA

METADATA

**INTERACTIVE
MAPS**

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