

PRODUCT OVERVIEW AND OPERATION

DI-20: Digital geographic index of geologic literature for the east half of the Phoenix North 30' x 60' quadrangle, Arizona

System Requirements:

Windows 95/98/2000 or Windows NT4.0

ArcView GIS, or another GIS program capable of opening ESRI shapefiles, is required to use this product. If GIS software is not available, ArcExplorer, a lightweight GIS data viewer, can be used to view the dataset in a simplified format. Installation files for ArcExplorer 1.1, ArcExplorer 3.0 for Windows, and ArcExplorer 3.0 for Unix are included.

Adobe Acrobat Reader is required to view documents distributed in Adobe PDF format. The installation file for Adobe Acrobat Reader v4.05c is included.

A web browser is needed for viewing HTML files.

Project File Operation:

The ArcView GIS v3.2 project can be opened directly from CD-ROM by double-clicking the **phxbib.apr** project file in the */Di-20(PhxBib)/projects* folder, or it can be opened on your computer's hard-drive by first copying the */Di-20(PhxBib)* directory, with all subdirectories, to a root directory on the hard drive and then double-clicking the project file there. Copying the */Di-20(PhxBib)* directory into any folder other than the root directory will cause problems when opening the project file.

Upon opening the ArcView project file, the Phoenix Area Bibliography view should be visible, along with the two keyword tables, the citation table, and the figure table. These tables have been linked to each other and to the map index theme (map extent shapefile). Thus, selecting records in any of these tables will highlight related records in the other tables and in the map extent shapefile. Likewise, clicking at any location in the view using the 'Select Feature' tool while the map index theme is selected will highlight related records in the data tables.

If ArcView or similar software is not available, then install ArcExplorer, preferably version 3.0, and use this program to view the data. Help manuals for ArcExplorer are also included. Because ArcView table relationships are not retained in ArcExplorer, it will be necessary for the user to make these linkages by hand using paper copies of the data tables. A comment field has been added to the map extent shapefile listing the citations associated with each map extent to ease the process of relating map extents with citations. Appendix A in the data structure report contains a complete list of citations.

Data Organization:

The organization of the data included in this product, the procedures used to create the data set, and the design of the database, are explained in the data structure document (**DI-20_datastructure.pdf**). FGDC-compliant metadata files (**DI-20_metadata.txt** and **DI-20_metadata.htm**) are located in the */Di-20(PhxBib)/text* folder.

File Overview:

DI-20(PhxBib) – parent folder

acrobat – folder containing the installation file for Adobe Acrobat Reader v4.05c

ar405eng.exe – Adobe Acrobat Reader v4.05c installation file

arcexplorer – ArcExplorer installations

ver1.1 – folder containing ArcExplorer 1.1 installation files for Windows 95/98, or Windows NT operating systems (requires that Service Pack 3 or higher is installed if being used with Windows NT)

aeclient.exe – installation file for ArcExplorer 1.1

arcexplorer1.pdf – help manual for ArcExplorer 1.1

import71.exe – installs the ArcExplorer 1.1 Import Utility that converts Arc/Info interchange files (*.e00) into Arc/Info coverages that can then be used in ArcExplorer

ver3-java – folder containing ArcExplorer 3.0 installation files for Windows 98/2000, or Windows NT 4.0 for Intel, Service Pack 4, 5, and 6a

aejavasetup.exe – installation file for ArcExplorer 3.0 for Windows

arcexplorer3.pdf – help manual for ArcExplorer 3.0

jre1_2_2-004-win-i.exe – installation file for Java Runtime Environment (JRE): 1.2.2-004 with Java Plug-in (automatically installed during ArcExplorer 3 installation if you don't already have it)

ver3-unix – folder containing ArcExplorer 3.0 installation files for Solaris 2.6 or Solaris 7 operating systems

arcexplorer3.pdf – help manual for ArcExplorer 3.0

arcexplorer3_0_tar.z – zipped installation file for ArcExplorer 3.0 for Unix

explorer_unix.htm – ArcExplorer installation instructions for Unix

projects – folder containing the ArcView project

phxbib.apr – the ArcView GIS 3.2 project file

shapefiles_dd – the cartographic shapefiles for the project

azcounty_dd.shp – shapefile containing polygons representing the counties in Arizona

ep_mapindex_dd.shp – shapefile containing polygons that define the spatial extents of the maps and figures that correlate bibliographic citations with geographic areas

ep_outline_dd.shp – shapefile containing a polygon that represents the area of the east half of the Phoenix North 30' x 60' quadrangle

shapefiles_utm – the cartographic shapefiles for the project

azcounty.shp – shapefile containing polygons representing the counties in Arizona

ep_mapindex.shp – shapefile containing polygons that define the spatial extents of the maps and figures that correlate bibliographic citations with geographic areas

ep_outline.shp – shapefile containing a polygon that represents the area of the east half of the Phoenix North 30' x 60' quadrangle

tables – the dBase data and correlation tables included in this GIS

cit_key_crl.dbf – table correlating records in the citations table with records in the keywords table

cit_keywords.dbf – table containing a list of possible keywords associated with the citations table

ep_citation.dbf – table containing the list of citations that describe the geology of project area

ep_figure.dbf – lists the figures and maps digitized and correlates the citation table with the map index shapefile

fig_key_crl.dbf – table correlating records in the figures table with records in the keywords table

fig_keywords.dbf – table containing a list of possible keywords associated with the figures table

text – the metadata and other files that accompany and help describe this project

- DI-20_datastructure.pdf** – an introduction and guide to the data structure of this project in PDF format
- DI-20_metadata.htm** – the FGDC metadata for this project in HTML format
- DI-20_metadata.txt** – the FGDC metadata for this project in plain text format

topos – USGS topographic base maps for the project area

- DRGMetadata** – folder containing the metadata file for the DRG maps
 - drg_metadata.htm** – the metadata for the DRG maps in HTML format
 - drg_metadata.txt** – the metadata for the DRG maps in plain text format
- BaldyMtn.tif (.tfw)** – scanned TIFF image of the Baldy Mountain 7.5 minute quadrangle with its associated world file
- BiscuitFlat.tif (.tfw)** – scanned TIFF image of the Biscuit Flat 7.5 minute quadrangle with its associated world file
- CalderwoodButte.tif (.tfw)** – scanned TIFF image of the Calderwood Butte 7.5 minute quadrangle with its associated world file
- DaisyMtn.tif (.tfw)** – scanned TIFF image of the Daisy Mountain 7.5 minute quadrangle with its associated world file
- ElMirage.tif (.tfw)** – scanned TIFF image of the El Mirage 7.5 minute quadrangle with its associated world file
- GarfiasMtn.tif (.tfw)** – scanned TIFF image of the Garfias Mountain 7.5 minute quadrangle with its associated world file
- Glendale.tif (.tfw)** – scanned TIFF image of the Glendale 7.5 minute quadrangle with its associated world file
- GovernorsPeak.tif (.tfw)** – scanned TIFF image of the Governor’s Peak 7.5 minute quadrangle with its associated world file
- HedgpethHills.tif (.tfw)** – scanned TIFF image of the Hedgpeth Hills 7.5 minute quadrangle with its associated world file
- HeiroglyphicSW.tif (.tfw)** – scanned TIFF image of the Heiroglyphics SW 7.5 minute quadrangle with its associated world file
- McMickenDam.tif (.tfw)** – scanned TIFF image of the McMicken Dam 7.5 minute quadrangle with its associated world file
- NewRiver.tif (.tfw)** – scanned TIFF image of the New River 7.5 minute quadrangle with its associated world file
- NewRiverSE.tif (.tfw)** – scanned TIFF image of the New River SE 7.5 minute quadrangle with its associated world file
- PhoenixN100k.tif (.tfw)** – scanned TIFF image of the Phoenix North 30’ x 60’ quadrangle with its associated world file
- Sunnyslope.tif (.tfw)** – scanned TIFF image of the Sunnyslope 7.5 minute quadrangle with its associated world file
- UnionHills.tif (.tfw)** – scanned TIFF image of the Union Hills 7.5 minute quadrangle with its associated world file
- Waddell.tif (.tfw)** – scanned TIFF image of the Waddell 7.5 minute quadrangle with its associated world file

DI-20_coverpage.pdf – the DI-series title page for this digital product

DI-20_overview.htm – an overview of the files included in this digital product in HTML format

DI-20_overview.pdf – an overview of the files included in this digital product in Adobe PDF format