PRODUCT OVERVIEW AND OPERATION
DI-23: Database for Mineral Districts in the State of Arizona. Based on Metallic Mineral Districts of 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 **di23mineraldistricts.apr** project file in the ***DI-23(MineralDistricts)/projects*** folder, or it can be opened on your computer's hard-drive by first copying the ***DI-23(MineralDistricts)*** directory, with all subdirectories, to a root directory on the hard drive and then double-clicking the project file there. Copying the ***DI-23(MineralDistricts)*** directory into any folder other than the root directory will cause problems when opening the project file.

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.

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 accompanying text. FGDC-compliant metadata files (**MineralDistricts_metadata.txt** and **MineralDistricts_metadata.htm**) are located in the ***DI-23(MineralDistricts)/metadata*** folder.

File Overview:

DI-23(MineralDistricts) – 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

coverages – folder containing the MineralDistrict coverage in ArcInfo export format

mindistutm.e00 – ESRI ArcInfo export file of mineral district coverage in UTM zone 12 coordinates. The data structure is described in the DI23Text document (see text directory).

database – folder containing the Microsoft Access database

DI23MinDist.mdb – Microsoft Access 2000 database file containing data for mineral districts and metadata tables. This is a relational database. The data structure is described in the DI23Text document (see text directory).

graphics – folder containing two quick preview graphics of the spatial data

preview1200.jpg – high resolution JPEG image of simple visualization of mineral district map. Colors are keyed to the classification of the district

preview144.jpg – low resolution JPEG image of simple visualization of mineral district map. Colors are keyed to the classification of the district

metadata – folder containing metadata files for spatial datasets

projects – folder containing the ArcView project

di23mineraldistricts.apr – the ArcView GIS 3.2 project file

shapefiles – the cartographic shapefiles for the project

azcnty_g.shp – shapefile containing polygons representing the counties in Arizona. In geographic coordinates, units decimal degrees. Data from Arizona State Land Department ALRIS, generalized.

az100k.shp – shapefile containing polygons representing the 30 by 60 minute (1:100,000-scale) USGS topographic quadrangles for Arizona. In geographic coordinates, units decimal degrees. Data from Arizona State Land Department ALRIS.

az24k.shp – shapefile containing polygons representing the 7.5 minute (1:24,000-scale) USGS topographic quadrangles for Arizona. In geographic coordinates, units decimal degrees. Data from Arizona State Land Department ALRIS.

aztr.shp – shapefile containing lines for the Township and Range grid for Arizona. In geographic coordinates, units decimal degrees. Data from Arizona State Land Department ALRIS.

aztrs2000.shp – shapefile containing polygons for each section in the public land survey grid for Arizona. In geographic coordinates, units decimal degrees. Data from Arizona State Land Department ALRIS.

mineraldistricts.shp – shapefile containing a polygon delineating mineral districts defined in this report. In geographic coordinates, units decimal degrees.

mineraldistricts_utm12.shp - shapefile containing a polygon delineating mineral districts defined in this report. In universal transvers Mercator projection, zone 12, units meters.

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

DI-23Text.pdf – Documentation for this database in Adobe Acrobat format.

DI-23Text.htm – Documentation for this database in HTML format
DI-23Text.doc – Documentation for this database in a Microsoft Word 2000 document
DI-23Text.ps – Documentation for this database in raw postscript format.

DI-23_overview.htm – an overview of the files included in this digital product in HTML format

DI-23_overview.pdf – an overview of the files included in this digital product in Adobe PDF format