

## FILE OVERVIEW

### **ANIMAS: Digital Geomorphic Surface Map and Geographic Database of the Southern Animas Creek Valley, Hidalgo County, New Mexico**

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1 CD-ROM

This digital product contains detailed information about the geology and geomorphology of the southern Animas Valley. The information comprises a GIS database and a visualization of the data as a default map layout. The map layout is included in an ArcView v3.2 project (.apr) file. This product is intended for use on a Windows 95, Windows NT, or higher platform, and an overview of the files distributed with this product is given in the file tree below. Arcview, or another GIS program capable of opening ESRI shapefiles and coverages, is required to use this product. The installation files for a simple ESRI viewing program, ArcExplorer, have been included with this product if the necessary GIS software is not available. The ArcExplorer program, however, does not take full advantage of the information available in this product.

The ArcView v3.2 project can be opened directly from the CD-ROM by double-clicking the **animas.apr** project file in the */projects* folder, or on the hard-drive by first copying the */Di-16(Animas)* directory with all subdirectories to the root directory and then double-clicking the project file there. Copying the */Di-16(Animas)* directory into any folder other than the root directory will cause problems when opening the project file. The fonts in the */other/fonts* folder must be copied into the C:\(system)\Fonts directory of the local hard drive. Without these fonts, the default project palette (**azgsgeopalette.avp**, located in the */other/palettes* folder) will not display the symbols correctly.

The organization of the data included in this product, as well as the procedures used to create the data set and the feature codes used to attribute the data, are explained in the Data Structure document (**animas\_datastructure.pdf**). Complete FGDC-standard metadata files (**animas\_metadata.txt** and **animas\_metadata.htm**) are located in the */text* folder.

Documents distributed in Adobe PDF format and can be viewed using Adobe Acrobat Reader. Adobe Acrobat Reader can be downloaded for free from the Adobe website: <http://www.adobe.com>

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**Di-16(Animas)** – parent folder containing all data

**arcexplorer** – folder containing self-extracting installation programs for ArcExplorer, a GIS data viewer

**aeclient** – installs ArcExplorer 1.1 (requires that Service Pack 3 is installed if being used with Windows NT)

**import71** – installs an ArcExplorer 1.1 Import Utility that converts ArcInfo interchange files (\*.e00) into ArcInfo coverages that can then be used in ArcExplorer

**arcexport** – folder containing the export files for the Arc\Info coverages  
**animas.e00** – volume 1 Arc/Info export file for the geomorphic surface unit polygons and lines  
**animas.e01** – volumes 2 Arc/Info export file for the geomorphic surface unit polygons and lines  
**animas\_p.e00** – Arc/Info export file for the soil pit points

**coverages** – Arc\Info workspace containing coverages for this project  
**animas** – Arc\Info coverage for the geology polygons and lines  
**animas\_pnt** – Arc\Info coverage for the soil pit sample points

**graphics** – folder containing graphic files with default visualizations of the project maps  
**animasmaplayout.pdf** – default visualization in Adobe PDF format

**legends** – folder containing the ArcView legend files for the product map view in ArcView

**animas\_contacts.avl** – symbolizes the *Contacts* theme  
**animas\_divide.avl** – symbolizes the *Drainage Divide/Map Boundary* theme  
**animas\_faults.avl** – symbolizes the *Faults* theme  
**animas\_units.avl** – symbolizes the *Geomorphic Surface* theme

**other** – folder containing additional files used in the ArcView project

**fonts** – folder containing fonts required for correct symbol display

**AZesri\_1.tff** – AZ\_ESRI Cartography True Type Font

**AZesri\_7.tff** – AZ\_ESRI Geology True Type Font

**esri\_1.tff** – ESRI Cartography True Type Font

**esri\_3\_0.tff** – ESRI Geometric Symbols True Type Font

**esri\_4.tff** – ESRI Oil, Gas, & Water True Type Font

**esri\_7\_0.tff** – ESRI Geology True Type Font

**palettes** – folder containing the ArcView palette used in this project

**azgsgeopalette.avp** – the ArcView Palette used for this project

**scripts** – folder containing scripts useful for labeling text themes

**lbltheme.ave** – a script that retrieves the labels associated with cartographic text label points created using maktheme.ave

**maktheme.ave** – a script that takes graphic text labels in a view and creates a shapefile with the labels as points; lbltheme.ave can be used to retrieve the label points

**projects** – folder containing the ArcView project

**animas.apr** – ArcView 3.2 project file for the Animas Creek Valley GIS product

- tables** – the dBase tables that contain the “lookup” data for the coverages
- adjacent.dbf** – table that correlates units on each side of a line to allow for map unit generalizations and selective symbolization of contacts
  - age.dbf** – table defining the age of the current geomorphic surface
  - class\_ID.dbf** – table defining classification object codes
  - faultage.dbf** – table containing information about the general age of each distinctive fault
  - faultmov.dbf** – table containing information about the vertical movement on measured faults
  - geofault.dbf** – lookup table containing fault descriptor attributes
  - geotype.dbf** - lookup table containing line type attributes
  - landform.dbf** – table describing the geomorphic landform of the current geomorphic surface
  - origin.dbf** – table defining the process that formed the current geomorphic surface
  - overlies.dbf** – table indicating the *units.dbf* field referenced by the string in the *units.dbf* SUBSURFACE field
  - soil\_ca.dbf** – table describing the presence and type of calcium carbonate in the soils of the current geomorphic surface
  - soilpits.dbf** – relate table containing soil pit information
  - soiltext.dbf** – table defining grain size of the surface material of the current geomorphic surface
  - surface.dbf** – table defining each surficial geologic deposit
  - units.dbf** – table defining the geomorphic surface map units
- text** – the metadata and other files that accompany and help describe this project
- animas\_datastructure.pdf** – an introduction and guide to the data structure of this project
  - animas\_metadata.htm** – the FGDC metadata for this project in HTML format
  - animas\_metadata.txt** – the FGDC metadata for this project in plain text format
- topos** – USGS 1:24,000 topographic base maps for the project area
- DRGMetadata** – folder containing the metadata files for the DRG maps
    - drg\_metadata.htm** – the metadata as an HTML document
  - AnimasPeak.tif (.tfw)** – scanned TIFF image of Animas Peak quadrangle with its associated world file
  - AnimasPeakNE.tif (.tfw)** – scanned TIFF image of Animas Peak NE quadrangle with its associated world file
  - BlackPoint.tif (.tfw)** – scanned TIFF image of Black Point quadrangle with its associated world file

**CenterPeak.tif (.tfw)** – scanned TIFF image of Center Peak quadrangle with its associated world file  
**ClantonDraw.tif (.tfw)** – scanned TIFF image of Clanton Draw quadrangle with its associated world file  
**Fitzpatricks.tif (.tfw)** – scanned TIFF image of Fitzpatricks quadrangle with its associated world file  
**GillespieMountain.tif (.tfw)** – scanned TIFF image of Gillespie Mountain quadrangle with its associated world file  
**GuadalupePass.tif (.tfw)** – scanned TIFF image of Guadalupe Pass quadrangle with its associated world file  
**GuadalupeSpring.tif (.tfw)** – scanned TIFF image of Guadalupe Spring quadrangle with its associated world file  
**IndianPeak.tif (.tfw)** – scanned TIFF image of Indian Peak quadrangle with its associated world file  
**LangCanyon.tif (.tfw)** – scanned TIFF image of Lang Canyon quadrangle with its associated world file  
**MountBaldy.tif (.tfw)** – scanned TIFF image of Mount Baldy quadrangle with its associated world file  
**SkeletonCanyon.tif (.tfw)** – scanned TIFF image of Skeleton Canyon quadrangle with its associated world file  
**TankMountain.tif (.tfw)** – scanned TIFF image of Tank Mountain quadrangle with its associated world file  
**WhitmirePass.tif (.tfw)** – scanned TIFF image of Whitmire Pass Canyon quadrangle with its associated world file

**animas\_coverpage.pdf** – the DI-series title page for this digital product in Adobe PDF format

**animas\_fileoverview.pdf** – an overview of the files included in this digital product in Adobe PDF format

**animas\_fileoverview.htm** – an overview of the files included in this digital product in HTML format

**animasmaplayout.jpg** – JPEG image of the map in layout form