U.S. Geological Survey
Open-File Report 97-93
Springdale, Nevada 7.5' Quadrangle
1:24,000-Scale Geologic Map Database
On-Line User Instructions and Information
(04/97)

The Springdale geologic database was initially developed in Geographic Resource Analysis System (GRASS), a public-domain Geographical Information System (GIS). The database was imported into ARC/INFO for final editorial changes and output formatting. The geologic data files comprising this database are available here in ASCII (ARC/INFO UNGENERATE) and ARC/INFO EXPORT (non-compressed) formats. These various data files and several additional files are bundled together in the tar file *spgdale.tar* that accompanies this *readme* file. After uncompressing the tar file (see instructions below), the ASCII and EXPORT data files are located in the *spgdale* directory under the *ascii* and *export* subdirectories. The Springdale database consists of five map layers or coverages: (1) *polygons*, (2) *faults*, (3) *structatts*, (4) *topo*, and (5) *base*. ASCII files having the extensions *.pol*, *.lin*, *.lab*, and *.txt* contain the polygon line, non-polygon line, point, and attribute data, respectively. All EXPORT files have the extension *.e00*. Metadata for the polygon, faults, structatts, and topo map layers/coverages are found in the *polymeta.txt*, *fltsmeta.txt*, *structmeta.txt*, and *topometa.txt* ascii text files, respectively, located in the *metadata* subdirectory. Postscript versions of these metadata files have the extension *.ps*. The metadata files include definitions of map feature attribute codes used in the map database. A description of map units and other informative text are located in the files *mapunits.txt* (ascii text) and *mapunits.ps* (Postscript), which are located in the *maptext* subdirectory. An ARC/INFO graphics file (*spgdale.gra*) and a plot file (*spgdale.rtl*), which are included for color, hard-copy output of the geologic map, are located in the *plot* subdirectory. The resulting plot includes a correlation of map units, two geologic cross sections, an explanation of map symbols, and a location map.

In displaying the geologic compilation it is important to note that the map data set is considered accurate when depicted at a scale of about 1:24,000; displaying the compilation at scales significantly larger than this may result in apparent distortions and (or) mislocations of the data.

Uncompressing Tar File

The data file was compressed with the GNU utility gzip. This utility is available from any of the GNU source sites. Versions of the software are available for UNIX systems, PCs running DOS, and DEC VMS systems. A “tar” utility is also available for all three systems. The command sequences shown below are in UNIX “C” shell (csh). The sequences are the same for other operating systems, but the form of the commands are different.

To uncompress the data enter:

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UNIX% gunzip spgdale.tar
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To access the data, enter:

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UNIX% tar vxf spgdale.tar
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The data will then be available under the subdirectories indicated above.

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Geologic and technical inquires should be directed to the database manager:

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