

Readme.txt/pdf

GIS data set for the Geologic Map of the Arco 30 x 60 Minute Quadrangle, South-Central Idaho.
2015/07/07

SEE METADATA attached to this Geodatabase data set for more information

These data were created from original field work or compiled from existing geologic map data at scales of from 1:24,000 to 1:100,000. Data source is the IGS publication GM-47, Geologic Map of the Arco 30 x 60 minute quadrangle, south-central Idaho. This Personal Geodatabase is *approximately* compliant with the draft standard for publication of digital geologic maps (NCGMP09).

The Geodatabase data set: Arco30x60Geol_PGDB.mdb

Files included with this data set:

arco_30x60_20150630.dwg—Original AutoCAD 2003 geologic map data (the Geodatabase was derived from these data).

Arco30x60Geol_pGDB.mdb—Main geologic Geodatabase data set

Readme.docx—Readme file (this document) in MS Word format

Readme.pdf—Readme file (this document) in PDF format

Readme.txt—Readme file (this document) in ASCII text format

arco_GM47-GeologicMap.pdf—Geologic map online publication in PDF format

Arco_booklet_GM47_b.pdf—Geologic online booklet for the geologic map in PDF format

Arco_booklet_GM47_cs3.rtf—Geologic online booklet for the geologic map in RTF format

Arco30x60Geol_pGDB_Metadata.xml—Metadata in XML format

Metadata_GeologicMapoftheArco30x60Quad_IGS-GM-47.pdf—Metadata in PDF format

GeologicMapoftheArco30x60-Idaho_IGS-GM-47_10-2-2.mxd—ESRI project file for ArcMap 10.2.2

GeologicMapoftheArco30x60-Idaho_IGS-GM-47_10-0.mxd—ESRI project file for ArcMap 10.0

FEATURE CLASSES INCLUDED WITH DATASET:

Spatial data feature classes:

MapUnitCentroids--Map unit polygon annotations (Labels)

CartographicLines--Line decorations for various polyline feature classes, e.g., tics for landslide scarps

Contacts--Geologic map unit boundaries. Contacts only, no dangler faults. Used to build map unit polygons

ContactsAndFaults--Geologic map unit boundaries and ALL faults included. This includes dangler fault lines. Used to build map unit polygons. Use the "type" field to classify or to link to the Glossary.

Faults--Geologic faults. Includes all faults; both dangler faults and contact -faults. Use the "type" field to classify or to link to the Glossary.

Dikes--Geologic dikes (lines too small to map as polygons). Use the mapunit field to classify or to link to the DescriptionOfMapUnits table.

Geologic Points--Geologic Point features showing located geologic (point) objects, e.g., fault breccia, non-oriented structure symbols. Use the "Type" field to classify by type and to link to Glossary if desired.

Orientations Points--Orientation Point data. For example, strike and dip and foliations measurements. Intended for non-site-specific investigations. Use the "type" field to classify or to link to the Glossary.

GeologicLines--Polylines depicting geologic mapped features, e.g., landslide headwall scarps, terraces scarps, or avalanche trace.

MapUnitPolygons--Geologic map units polygons. These are the main feature of this dataset. Descriptions for these units can be found in the DescriptionOfMapUnits feature class/table.

Non Spatial data tables:

DescriptionOfMapUnits--Table with map unit descriptions. Use MapUnit field to link to MapUnitPolygons or Dikes.

Glossary--Look up table with explanations for geologic features found in all spatial classes. For example, moraine_crest: Definition--glacial moraine ridge crest. Features in feature classes can be link to Glossary via "Type" in feature class to "IGSGeoType" in Glossary.

DataSources--Sources of geologic mapping. Link via DataSourceID in feature class to DataSources_ID in Sources.

DataDictionary—Listing and information about fields in most Feature Classes and tables

Credits

Science data credit: Betty Skipp, Lawrence G. Snider, Susanne U. Janecke, and Mel A. Kuntz.
GIS credit: Loudon R. Stanford, Jane S. Freed, Jesse S. Bird, Theresa A. Taylor, and B. Benjamin E. Studer.

Use limitations

Geologic map data intended for non-site-specific use. These data were compiled from 1:24,000-1:100,000 geologic mapping and should not be used at larger scales, e.g., 1:12,000. Use the DataSources table and the DataSourceID in each Feature Class to determine original intended scale.

The IGS does not guarantee this map or digital data to be free of errors nor assume liability for interpretations made from this map or digital data, or decisions based thereon.

Data Projection—Idaho State Plane Central Zone, Feet, NAD27