Readme.txt/pdf

GIS data (Personal Geodatabase, File Geodatabase, and Shape Files) for the *Geologic Map of the Stibnite Quadrangle, Valley County Idaho*, Idaho Geological Survey Geologic Map 51 (GM-51), 2016. GIS Dataset

2017/02/15

SEE METADATA attached to this Geodatabase (and Shape Files) data set for more information

Introduction:

These data were created mostly from original field work at 1:24,000 scale with some compiling from existing geologic map data at scales of from 1:24,000 scale or larger. Data source is the IGS publication GM-51, Geologic Map of the Stibnite Quadrangle, Valley County Idaho, 2016. This GIS data set is approximately compliant with the draft standard for publication of digital geologic maps (NCGMP09). All Feature Classes can be linked to the DataSources table via DataSourcesID field/attribute to determine the geologic source and scale for the data.

NOTE: This data set includes all data from the original 1:24,000 mapping where possible. The GM-51 publication was generated from a subset of information from this compiled GIS data set.

Shape files derived from the geodatabase are included with this dataset.

Data Projection and coordinate system—Idaho State Plane, West Zone, Feet, NAD27, Transverse Mercator.

Files included with this data set:

20161220_Stibnite_geology.dwg—Original AutoCAD 2002 geologic map data (the Geodatabase was derived from these data).

Stibnite_Geology_GM-51.mdb —Main geologic Geodatabase data set. Personal Geodatabase

Stibnite_Geology_GM-51.gdb [folder, file geodatabase]—Main geologic Geodatabase data set. File Geodatabase

\ Stibnite_Geology_GM-51_Shapefiles [folder]—Simple shape files derived from the Geodatabase
                    \Non-SpatialTables [folder] (see below for details about non-spatial tables)

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

Stibnite_GM-51_P1_P2_M.pdf—Original geologic map online publication in PDF format, Plates 1 and 2.

Stibnite_Geology_GM-52_Metadata.xml—Metadata in XML format

StibniteGeology_GM-52_metadata.pdf—Metadata in PDF format

Stibnite_Geology_GM-51_10-3-1.mxd— ESRI project file for ArcMap Personal Geodatabase for ArcMap 10.3.1

Stibnite_Geology_GM-51_10-0.mxd—ESRI project file for ArcMap Personal Geodatabase 10.0

Stibnite_Geology_GM-51_10-3-1_GDB.mxd— ESRI project file for ArcMap File Geodatabase for ArcMap 10.3.1

Stibnite_Geology_GM-51_10-0_GDB.mxd— ESRI project file for ArcMap File Geodatabase for ArcMap 10.0

Stibnitedescriptions_GM-51.rtf—Map unit descriptions and structure discussion in rtf format.

\Basemaps[folder] --- Georeferenced Stibnite 1:24,000 Topographic 1973 USGS base map.

\Fonts[folder] ---These fonts are optional. Only install in the Windows\Fonts folder if you want to access special geologic
glyphs or the IGS geologic symbol set used in the .MXD included with this data set.
FGDCGA__.TTF—FGDC GeoAge font, truetype font. Has Triassic, Pennsylvanian, Cambrian glyphs

IGSGeologicSymbols-Regular.ttf---IGS symbol set, truetype font

Special Geologic Glyphs/Font characters used in the FGDC GeoAge font:
Pennsylvanian character = "*"
Cambrian character = "_"
Triassic character = "^"

\Colors[folder]---Colors used for polygons on published map
(does not include units where patterns were applied in Adobe Illustrator):
1) .RGB file:CMYK colors for MapUnitPolys in CSV format;
2).AVL (ArcView style file). Use the .AVL to import: *in ArcMap*: MapUnitPolys→Symbology
Tab→Import→Import sybolobgy…from… (*.avl)

Feature classes included in the Geodatabase dataset:
(Look in folder "\Stibnite_Geology_GM-51_Shapefiles" for shape file versions)

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. Use the "type" field to classify contact type or to link to the Glossary. This Feature Class is not
part of the NCGMP09 standard.

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 contact type or to link to the
Glossary. Use the "FaultMovement" field to classify fault type or to link to the Glossary.

Faults--Geologic faults. Includes all faults; both dangler faults and contact -faults. Use the
"FaultMovement" field to classify fault type or to link to the Glossary. This Feature Class is not part of the
NCGMP09 standard.

Dikes--Geologic dikes (lines too small to map as polygons). Use the mapunit field to classify or to link to
the DescriptionOfMapUnits table. This Feature Class is not part of the NCGMP09 standard. 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. Includes strike and dip and foliations measurements. 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, axial fold traces, or avalanche trace. Use the "type" field to classify or to link to the Glossary.

GeologicPoints--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.

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

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 Feature 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--Field/attribute descriptions for fields in all Feature Classes and non-spatial tables in this data set.

Special Geologic Glyphs/Font characters used in the FGDC GeoAge font:

For the three special geologic age characters, the following key strokes are used.
Pennsylvanian character = "*"
Cambrian character = "_"
Triassic character = "^"

To see the correct glyph you will have to install theFGDC GeoAge font included with this data set (see \Fonts(folder) above). These character substitutions are used in several fields within several Feature Classes in this data set.

Credits

Science data credit: David E. Stewart, Eric D. Stewart, Reed S. Lewis, Kerrie N. Weppner, and Vincent H. Isakson.

GIS credit: Loudon R. Stanford, William R. Schuster, and Jane S. Freed.

Use Limitations

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

The Idaho Geological Survey 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.

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