Readme.txt/pdf
GIS data set for the Geologic Map of the Murphy 30 x 60 Quadrangle, Ada, Canyon, Elmore, and Owyhee Counties, Idaho 2016/03/17
SEE METADATA attached to this Geodatabase data set for more information

Introduction:

These data were created from original field work or complied from existing geologic map data at scales from 1:24,000 to 1:125,000. Data source is the IGS publication DWM-80, 2006, Geologic Map of the Murphy 30 x 60 Quadrangle, Ada, Canyon, Elmore, and Owyhee Counties, Idaho. This Personal Geodatabase is *approximately* compliant with the draft standard for publication of digital geologic maps (NCGMP09).

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:

Murphy_30x60_20160212.dwg—Original AutoCAD 2002 geologic map data (the Geodatabase was derived from these data).

volcanoes-v2_20160211.dwg— Polygons showing volcano type locations within the Murphy 30 x 60. Original AutoCAD 2002 map data (the Volcano feature class was derived from these data).

Murphy30x60Geol_pGDB.mdb—Main geologic Geodatabase data set

Murphy_SHP_Files(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

Murphy_DWM-80-M.pdf—Geologic map online publication in PDF format

Murphy30x60Geol_pGDB_Metadata.xml—Metadata in XML format

Murphy_30x60_Geology_Metadata_20150315.pdf—Metadata in PDF format

GeologicMapoftheMurphy30x60-Idaho-IGS-DWM-80_10-2-2.mxd—ESRI project file for ArcMap 10.2.2

GeologicMapoftheMurphy30x60-Idaho-IGS-DWM-80_10-0.mxd—ESRI project file for ArcMap 10.0

\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

FEATURE CLASSES INCLUDED WITH DATASET:
(Look in folder "\Murphy_SHP_Files" for shape file versions)

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.

MurphyVolcanoPolys--Polygons showing volcano type locations within the Murphy 30 x 60 minute quadrangle. Descriptions for these units can be found in the DescriptionOfMapUnits feature class/table. Link via the MapUnit field.

Non Spatial data tables:
Note: Look in folder “\Murphy_SHP_Files\Non-SpatialTables” for non-Microsoft versions of these tables. Two types: dBase III, and .csv

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 linked 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: Bill Bonnichsen and Martha M. Godchaux

GIS credit: Loudon R. Stanford, William R. Schuster, B. Benjamin E. Studer, and Jane S. Freed.

Use limitations

Geologic map data intended for non-site-specific use. These data were compiled from 1:24,000-1:125,000 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 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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