

File Name: BurntLogGeol_DWM-180_readme.docx

Personal and File Geodatabase (GIS data) for the *Geologic Map of the Burntlog Creek Area, Valley County, Idaho*, 2017, Idaho Geological Survey Digital Web Map 180 (DWM-180), GIS Dataset

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

Introduction:

These data include original field work and compiled existing geologic map data at 1:24,000. Data source is the IGS publication DWM-180, *Geologic Map of the Burntlog Creek Area, Valley County, Idaho*, 2017. This Personal Geodatabase (and File Geodatabase) 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 for the data.

NOTE:

This data set includes all data from the original 1:24,000. The DWM-180 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.

Projection:

Data Projection and Coordinate System: Idaho State Plane, West Zone, Feet, NAD27, Transverse Mercator.

Files included with this data set:

BurntLogGeol_DWM-180-IGS.mdb—Main geologic Geodatabase data set. Personal Geodatabase

\ BurntLogGeol_DWM-180-IGS.gdb [folder, file geodatabase]—Main geologic Geodatabase data set.
File Geodatabase

\ *BurntLog_DWM-180_ShapeFiles* [folder]—Simple shape files derived from the Geodatabase

\ *BurntLog_DWM-180_ShapeFiles* \Non-SpatialTables [folder] (see below for details about non-spatial tables)

BurntLogGeol_DWM-180_readme.docx —Readme file (this document) in MS Word format

BurntLogGeol_DWM-180_readme.pdf—Readme file (this document) in PDF format

BurntLogGeol_DWM-180_readme.txt—Readme file (this document) in ASCII text format

BurntLogGeol_DWM-180-IGS_m.pdf—Original geologic map online publication in PDF format.

BurntLogGeol_DWM-180-IGS_Metadata.xml —Metadata in XML format

BurntLogGeol_DWM-180_Metadata.pdf —Metadata in PDF format

BurntLogGeol_DWM-180-IGS_10-3-1.mxd— ESRI project file for ArcMap Personal Geodatabase for ArcMap 10.3.1

BurntLogGeol_DWM-180-IGS_10-0.mxd—ESRI project file for ArcMap Personal Geodatabase 10.0

BurntLogGeol_DWM-180-IGS_10-3-1GDB.mxd— ESRI project file for ArcMap File Geodatabase for ArcMap 10.3.1

BurntLogGeol_DWM-180-IGS_10-0GDB1.mxd— ESRI project file for ArcMap File Geodatabase for ArcMap 10.0

\Basemaps[folder] --- Georeferenced Burntlog Creek Area Topographic USGS base map Compiled from 7.5 minute quadrangles.

\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 are used in the FGDC GeoAge font. To produce the three special geologic age characters, the following key strokes are used.:

- Pennsylvanian character = “*”
- Cambrian character = “_”
- Triassic character = “^”

To see the correct glyph, install the included FGDC GeoAge font. These character substitutions are used in several fields within several Feature Classes in this data set.

\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 symbology...from... (*.avl)

Feature classes included in the Geodatabase dataset:

(Look in folder “\BurntLog_DWM-180_ShapeFiles” for shape file versions)

Spatial data feature classes:

CartographicPoints--Line decorations for various polyline feature classes, e.g., ball and bar for normal faults

ContactsAndFaults--Geologic map unit boundaries and ALL faults included. This includes dangler fault lines. 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.

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

GeologicPoints--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.

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

OrientationPoints--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.

SilicifiedOverLayLines—Lines showing outlines of areas of silicified rock.

SilicifiedOverLayPoly—Polygons showing areas of silicified rock.

Non Spatial data tables:

Note: Look in folder "\BurntLog_DWM-180_ShapeFiles\Non-SpatialTables" for non-Microsoft versions of these tables. Two types: dBase III, and .csv (comma delimited text).

Credits:

Science data credit: David E. Stewart, Eric D. Stewart, and Reed S. Lewis

GIS credit: Linda Tedrow, Loudon R. Stanford and Jane S. Freed

Use limitations:

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