

North Idaho Geologic Map Database (GIS). Personal (and File) Geodatabase

Personal GeoDatabase Feature Dataset



Tags

geologic map data, geologic attitude measurement, Geologic symbol, Geologic vein, point data, linear measurement, Geologic dike, geologic map, Loess polygons, Geologic contacts, Geologic map polygons, Geologic folds, Loess contacts, geologic measurement, north Idaho

Summary

Personal and File Geodatabase (GIS data) for the North Idaho Geologic Map GIS Database. GIS Dataset; Idaho Geological Survey Digital Geologic Map 7.

These data were created from original field work or compiled from existing geologic map data. Most new mapping was done at 1:24,000. Use the Source_ID field in each Feature Class to determine original geologic source mapping scale by linking to the sources table in the dataset (this is done for you by taking advantage of the Relationship Classes in this dataset). Data was compiled using IGS Geologic Map Data Model. This geologic map data compilation includes the following 30 x 60 minute tiles of geologic map data: St. Maries, Coeur d' Alene, Potlatch, Elk City, Kooskia, Nez Perce Pass (Idaho part), Missoula West (Idaho part), and Hamilton (Idaho part).

Geologic mapping is always a work in progress as scientists strive to map at larger and larger scales. These data are a mix of scale and quality. Use the Source_ID in each Feature class to link to the Sources table to identify the relative quality of each map object. Map-edge conflict between geologic maps, where not resolved, are shown with intent of letting the user know there are unresolved geologic mapping issues.

Description

Geologic map data, Idaho. This data was created from original field work or compiled from existing geologic map data.

Data Feature Classes:

Attitude: Geologic attitude point data (e.g., strike and dip). This data was created from original

field work or compiled from existing geologic map data.

Linear: Geologic bearing and plunge point data (e.g., linear). This data was created from original field work or compiled from existing geologic map data.

Contact: Geologic map unit contacts (map unit boundaries). This data was created from original field work or compiled from existing geologic map data.

Dike: Geologic map dikes (lines). This data was compiled from existing geologic map data. See sources table for sources to geologic mapping. Dikes too small to digitize as polygons are only available as lines.

Fault: Geologic map faults (lines). This data was created from original field work and compiled from existing geologic map data.

Fold: Line, or trace, representing the intersection of the plane of geologic fold axes with the surface. This data was created from original field work and compiled from existing geologic map data.

Linesym: Miscellaneous geologic features symbolized as lines. For example, giant ripple crests, moraine ridge crests, terrace scarps, slumps, landslide scarps. This data was created from original field work or compiled from existing geologic map data.

Loess: Loess unit polygons. This data was created from original field work or compiled from existing geologic map data.

Loess_Contacts: Geologic loess unit contacts (boundary lines between loess polygons). This data was created from original field work or compiled from existing geologic map data.

Rock: Geologic map unit polygons. Map unit polygons are made from Contacts (map unit boundaries). Does not include loess. This data was created from original field work or compiled from existing geologic map data.

RockCentroid: Geologic map unit (Rock) Centroids.

SaproliteContacts: Saprolite unit contacts (map unit boundaries). This data was created from original field work or compiled from existing geologic map data.

SaproliteOverlays: Saprolite map unit polygons. Map unit polygons are made from Saprolite contacts.
Vein: Line, or trace, representing the intersection of a geologic vein with the surface.

Credits

Science credit: Idaho Geological Survey staff from 1996-2018 are the main sources of geology; many other sources went into this compilation. Use the Source_ID field in each Feature Class to determine original geologic mapping source.

GIS credit: Loudon Stanford, Steve Mulberry, Linda Tedrow, Jane Freed, Dean Garwood, Theresa Watt, Ben Studer

Use limitations

Digital geologic map data intended for NON-SITE-SPECIFIC use.

Extent

There is no extent for this item.

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEME KEYWORDS geologic map data, geologic attitude measurement, Geologic symbol, Geologic vein, point data linear measurement, Geologic dike, geologic map, Loess polygons, Geologic contacts, Geologic map polygons, Geologic folds, Loess contacts, geologic measurement

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE North Idaho Geologic Map Database (GIS). Personal (and File) Geodatabase

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

SERIES
NAME Digital Geologic Map
ISSUE DWM-7

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES English

STATUS completed
SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.1.4959

CREDITS

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Extents ►

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
WEST LONGITUDE -117.157757
EAST LONGITUDE -114.312737
SOUTH LATITUDE 45.460888
NORTH LATITUDE 48.038721

[Hide Extents ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

See access and use constraints information.

CONSTRAINTS

LIMITATIONS OF USE

Digital geologic map data intended for NON-SITE-SPECIFIC use.

[Hide Resource Constraints ▲](#)

Spatial Data Properties ►

VECTOR ►

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 123

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 35665

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 291

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 505

GEOMETRIC OBJECTS

OBJECT TYPE point
OBJECT COUNT 1461

GEOMETRIC OBJECTS

OBJECT TYPE complex
OBJECT COUNT 66

GEOMETRIC OBJECTS

OBJECT TYPE point
OBJECT COUNT 15936

GEOMETRIC OBJECTS

OBJECT TYPE point
OBJECT COUNT 8606

GEOMETRIC OBJECTS

OBJECT TYPE complex
OBJECT COUNT 8595

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 1904

GEOMETRIC OBJECTS

OBJECT TYPE complex
OBJECT COUNT 171

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 34

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 1615

GEOMETRIC OBJECTS

OBJECT TYPE composite
OBJECT COUNT 7682

[Hide Vector ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTOR ►

AVAILABLE FORMAT

NAME Personal GeoDatabase Feature Dataset

[Hide Distributor ▲](#)

[Hide Distribution ▲](#)

Metadata Details ►

METADATA LANGUAGE English

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

LAST UPDATE 2018-05-19

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2007-11-08 10:40:13

LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-05-29 10:24:21

AUTOMATIC UPDATES

HAVE BEEN PERFORMED No

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Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

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