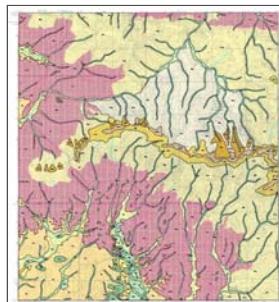


Surficial Geologic Map of the Robinson Lake Quadrangle and Part of the Viola Quadrangle, Latah and Nez Perce Counties, Idaho, 2001, Idaho Geological Survey Surficial Geologic Map 12 (SGM-12), GIS Dataset

**Tags**

Surficial Geologic Map, Robinson Lake Idaho, Latah County, Surficial geology

Summary

Personal and File Geodatabase (GIS data) for Surficial Geologic Map of the Robinson Lake Quadrangle and Part of the Viola Quadrangle, Latah County, Idaho, 2001, Idaho Geological Survey Surficial Geologic Map 12 (SGM-12), GIS Dataset.

Description

The surficial geologic map of the Robinson Lake and Viola quadrangles identifies earth materials on the surface and in the shallow subsurface. It is intended for those interested in the area's natural resources, urban and rural growth, and private and public land development. The information relates to assessing diverse conditions and activities, such as slope stability, construction design, sewage drainage, solid waste sites, and the recharge of potable ground water. Details depicted at this scale provide an overview of the area's geology. Further intensive analyses at specific locations should be arranged through independent geotechnical specialists. Combined with the adjoining surficial geologic map of the Moscow East and Moscow West quadrangles (Othberg and Breckenridge, 2001), the two maps cover the city of Moscow and surrounding area, from just south of Paradise Ridge to just north of the Palouse Range. This area encompasses the eastern part of the Moscow basin, which is bounded by the Cretaceous and Precambrian igneous and metamorphic rocks that compose the underlying basement rocks and the Northern Rocky Mountains. The Moscow basin is a long-lived system draining water westward off the basement-rock uplands. During the Miocene, lava flows of the Columbia River Basalt Group filled the ancestral stream valleys eroded into the basement rocks. The flows created volcanic embayments that now form the eastern edge of the Columbia River Plateau where the relatively flat region meets the mountains. A characteristic of these embayments is the accumulation of Miocene sediments between and on top of the basalt flows. The sediments were deposited by streams in the Moscow basin as the basalt plateau formed. Later, the cooler and dryer climate of the Pleistocene brought on the cyclical deposition of wind-blown silt that constitutes the thick loess which composes the Palouse hills, buries the plateau basalts, and blankets the foothills. The maps on the bedrock geology of the Robinson Lake quadrangle by Bush and others (1998) and the Viola quadrangle by Bush and Provost (1998) show the basement rocks, the Columbia River basalt flows, and the Miocene sediments. The cross sections of these maps are especially useful for interpreting subsurface conditions suitable for siting water wells and assessing the extent and limits of ground water in the area.

These data were created from original field work or compiled from existing geologic map data at scales of from 1:24,000 to 1:75,000. Data source is the IGS publication SGM-12, *Surficial Geologic Map of the Robinson Lake Quadrangle and Part of the Viola Quadrangle, Latah and Nez Perce Counties, Idaho*, 2001. 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.

Feature classes included in the Geodatabase dataset:

(Look in folder "\RobinsonLake_SGM-12_ShapeFiles" for shape file versions)

Spatial data feature classes:

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. Use the "type" field to classify or to link to the Glossary.

ESurfaceOverLayBdys--Boundary polylines of areas of ESurface deposits.

ESurfaceOverLayCentroids--The geometric centers of ESurface polygon deposits.

ESurfaceOverLayPolys--Areas of erosional or depositional surface graded to a base level ancestral to and higher than the present drainage system.

LoessOverLayBdys--Boundary polylines of loess deposits.

LoessOverLayCentroids-- The geometric centers of loess deposits.

LoessOverLayPolys--Areas of loess deposits.

MapUnitCentroids-- The geometric centers of the Map Unit Polygon feature class that includes the polygon attributes.

MapUnitPolygons--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.

Non Spatial data tables:

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

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: Kurt L. Othberg and Roy M. Breckenridge
GIS credit: Loudon R. Stanford, William R. Schuster, and Jane S. Freed

GIS contact: Linda Tedrow

Use limitations

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

Extent

West -117.039 **East** -116.875
North 46.875 **South** 46.75

Scale Range

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

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE geoscientificInformation

Hide Topics and Keywords ▲

Citation ▶

TITLE Surficial Geologic Map of the Robinson Lake Quadrangle and Part of the Viola Quadrangle, Latah and Nez Perce Counties, Idaho, 2001, Idaho Geological Survey Surficial Geologic Map 12 (SGM-12), GIS Dataset
PUBLICATION DATE 2018-03-09 00:00:00

SERIES
NAME Surficial Geologic Map
ISSUE 12

Hide Citation ▲

Citation Contacts ▶

RESPONSIBLE PARTY
ORGANIZATION'S NAME Idaho Geological Survey
CONTACT'S ROLE originator

CONTACT INFORMATION ▶
PHONE
VOICE 208-885-7991

ADDRESS
TYPE postal
DELIVERY POINT 875 Perimeter Dr. MS 3014
CITY Moscow
ADMINISTRATIVE AREA Idaho
POSTAL CODE 83844-3014
COUNTRY US
E-MAIL ADDRESS IGS@uidaho.edu

Hide Contact Information ▲

Hide Citation Contacts ▲

Resource Details ▶

DATASET LANGUAGES English
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

CREDITS

Science data credit: Kurt L. Othberg and Roy M. Breckenridge
 GIS credit: Loudon R. Stanford, William R. Schuster, and Jane S. Freed

GIS contact: Linda Tedrow

ARCGIS ITEM PROPERTIES

- * LOCATION file:///\\igs-rift\\shared\\DATABASE_MAPS\\GEOLOGY_tile_project\\Surficial\\RobinsonLk_Viola_SGM-12\\GIS_NCGMP09\\RobinsonLake_SGM-12\\RobinsonLkViolaSurf_pGDB_fielddelete.mdb
- * ACCESS PROTOCOL Local Area Network

[Hide Resource Details](#) ▲

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE	Extent used for searching
WEST LONGITUDE	-117.039
EAST LONGITUDE	-116.875
NORTH LATITUDE	46.875
SOUTH LATITUDE	46.75

[Hide Extents](#) ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance](#) ▲

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

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

[Hide Resource Constraints](#) ▲

Spatial Data Properties ►

VECTOR ►

LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

[Hide Vector](#) ▲

[Hide Spatial Data Properties](#) ▲

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information](#) ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

DIMENSION horizontal

MEASURE DESCRIPTION

Horizontal accuracy is difficult to quantify in geologic mapping of this type. User should use original map scale (linked to DataSources table in this data set via "DataSource_ID") to determine relative accuracy of groups of map objects in the data set. ---EXAMPLE OF DETERMINING H ACCURACY: 1:24k map objects in the data set have a placement h-accuracy => 80(+/-) feet (.04 inch x 2000 ft/inch @1:24,000) for a CERTAIN line type. Accuracy is proportionally less for smaller scales and even less for other line types (see "AuthorConfidence" field in each data layer/feature class). Map data used in compilation was visually compared to original for horizontal accuracy.

EVALUATION TYPE direct internal

EVALUATION METHOD

Geologic map data are visually checked against original map data for completeness. Accuracy is determined by at least two factors: quality of capture (digitizing) consistency and the quality of the original geology. The quality of the original geology is by far the most important for determining the quality of attribute accuracy.

[Hide Data quality report - Conceptual consistency](#) ▲

[Hide Data Quality ▲](#)

Geoprocessing history ►

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PROCESS

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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COMMAND ISSUED

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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COMMAND ISSUED

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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COMMAND ISSUED

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS

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DATE 2017-12-16 13:55:11
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COMMAND ISSUED

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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DATE 2017-12-16 13:55:13
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COMMAND ISSUED

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COMMAND ISSUED

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COMMAND ISSUED

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COMMAND ISSUED

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS NAME
DATE 2017-12-16 13:55:19
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.3\ArcToolbox\Toolboxes\Conversion Tools.tbx\TableToGeodatabase

COMMAND ISSUED

```
TableToGeodatabase W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\attributes-GDB.mdb/OverlayUnitPolygons_PatGrnd W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09
\Round_2/RobinsonLkViolaSurf_pGDB.mdb
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS

PROCESS NAME
DATE 2017-12-16 13:55:21
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.3\ArcToolbox\Toolboxes\Conversion Tools.tbx\TableToGeodatabase

COMMAND ISSUED

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TableToGeodatabase W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\attributes-GDB.mdb\OverlayUnitPolygons_Q1 W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\RobinsonLkViolaSurf_pGDB.mdb
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS**PROCESS NAME**

DATE 2017-12-16 13:55:22

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.3\ArcToolbox\Toolboxes\Conversion Tools.tbx\TableToGeodatabase

COMMAND ISSUED

```
TableToGeodatabase W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\attributes-GDB.mdb\SOURCESFile W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\RobinsonLkViolaSurf_pGDB.mdb
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS**PROCESS NAME**

DATE 2017-12-16 13:55:23

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.3\ArcToolbox\Toolboxes\Conversion Tools.tbx\TableToGeodatabase

COMMAND ISSUED

```
TableToGeodatabase W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\attributes-GDB.mdb\XGLOSSARYNOTFOUND W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\RobinsonLkViolaSurf_pGDB.mdb
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS**PROCESS NAME**

DATE 2017-12-16 13:55:25

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.3\ArcToolbox\Toolboxes\Conversion Tools.tbx\TableToGeodatabase

COMMAND ISSUED

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS**PROCESS NAME**

DATE 2017-12-16 13:57:41

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.3\ArcToolbox\Toolboxes\Data Management Tools.tbx\Compact

COMMAND ISSUED

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Compact W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2\RobinsonLkViolaSurf_pGDB.mdb
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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*Hide Geoprocessing history ▲***Distribution ▶****TRANSFER OPTIONS****ONLINE SOURCE**

LOCATION http://www.idahogeology.org/Products/reverselook.asp?switch=title&value=Surficial_Geologic_Map_of_the_Rathdrum_Quadrangle_and_Part_of_the_Newman_Lake_Quadrangle,_Kootenai_County,_Idaho

*Hide Distribution ▲***Fields ▶****OVERVIEW DESCRIPTION ▶****ENTITY AND ATTRIBUTE OVERVIEW**

See DataDictionary table in this dataset for complete listing of fields and attributes

*Hide Overview Description ▲**Hide Fields ▲***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** 2018-03-07**ARCGIS METADATA PROPERTIES****METADATA FORMAT** ArcGIS 1.0**METADATA STYLE** FGDC CSDGM Metadata**STANDARD OR PROFILE USED TO EDIT METADATA** FGDC

CREATED IN ARCGIS FOR THE ITEM 2018-03-07 09:47:29

LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-03-07 15:09:45

AUTOMATIC UPDATES

HAVE BEEN PERFORMED No

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2018-03-07 09:47:29
FROM W:\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\Round_2
 \RobinsonLkViolaSurf_pGDB_fielddelete.mdb
TO \\igs-rift\shared\DATABASE_MAPS\GEOLOGY_tile_project\Surficial\RobinsonLk_Viola_SGM-12\GIS_NCGMP09\RobinsonLake_SGM-12
 \RobinsonLkViolaSurf_pGDB_fielddelete.mdb

[Hide Metadata Details ▲](#)**Metadata Contacts ►****METADATA CONTACT**

ORGANIZATION'S NAME Idaho Geological Survey
CONTACT'S ROLE originator

CONTACT INFORMATION ►

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POSTAL CODE 83844-3014
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[Hide Contact information ▲](#)[Hide Metadata Contacts ▲](#)**Metadata Maintenance ►****MAINTENANCE**

UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)**Metadata Constraints ►****CONSTRAINTS****LIMITATIONS OF USE**

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[Hide Metadata Constraints ▲](#)**Thumbnail and Enclosures ►****THUMBNAIL**

THUMBNAIL TYPE JPG

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