
Tags
surficial geology, Moscow East Quadrangle, Moscow West Quadrangle, Latah County, Idaho

Summary

These data were created from original field work collected at the scale of 1:24,000. Data source is the IGS publication SGM-11, Moscow East Quadrangle and Part of the Moscow West Quadrangle, Latah County, Idaho, 2001. The Personal Geodatabase (and File Geodatabase) is approximately compliant with the draft standard for publication of digital geologic maps (NCGMP09).

Description
The surficial geologic map of the Moscow East and Moscow West 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.

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Feature classes included in the Geodatabase dataset:
(Look in folder “\MoscowE_West_SGM-11_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.
ESurfaceOverLayPolys--Areas of erosional or depositional surface graded to a base level ancestral to and higher than the present drainage system.
ESurfaceOverLayCentroids— The geometric centers of ESurface polygon deposits.
ESurfaceOverLayBdys—Boundary polylines of areas of ESurface deposits.
LoessOverLayPolys--Areas of loess deposits.
LoessOverLayCentroids— The geometric centers of loess deposits.
LoessOverLayBdys—Boundary polylines of loess deposits.
MapUnitCentroids-- The geometric centers of the polygons in 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.
PattGrndOverLayPolys--Areas of patterned ground: small circular mounds (5-15 feet in diameter) that include silty deposits separated by stony intermound areas. 
PattGrndOverLayCentroids— The geometric centers of patterned ground deposits.
PattGrndOverLayBdys— Boundary polylines of patterned ground deposits.
PedimentOverLayPolys—Polygon areas depicting beveled and graded pediment deposits.
PedimentOverLayCentroids— The geometric centers of polygons depicting pediment deposits.
PedimentOverLayBdys—Boundary polylines of areas of pediment deposits.

Non Spatial data tables:
Note: Look in folder “\MoscowE_West_ShapeFiles \Non-SpatialTables” for non-Microsoft versions of these tables. Two types: dBase III, and .csv (comma delimited text).
DescriptionOfMapUnits--Table with 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
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

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Scale Range

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

ArcGIS Metadata

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Series

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Citation Contacts

Responsible party

| INDIVIDUAL’S NAME | Idaho Geological Survey |
| CONTACT’S ROLE    | originator              |

Contact Information

| PHONE | (208)885-7991 |
| ADDRESS TYPE | postal |
| DELIVERY POINT | 875 Perimeter Drive MS 3014 |
| CITY | Moscow |
| ADMINISTRATIVE AREA | ID |
| POSTAL CODE | 83844-3014 |
| COUNTRY | US |
| E-MAIL ADDRESS | igs@uidaho.edu |

Resource Details

Dataset languages

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

Status

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Spatial representation type

| vector |

Spatial resolution

| DATASET’S SCALE | 24000 |

Credits

Science 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\MoscowE_West_SGM-11\GIS_NCGMP09\Round_3\MoscowEWSurf_pGDB - Copy.mdb |
* ACCESS PROTOCOL | Local Area Network |

Extents

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Hide Citation

Hide Contact information

Hide Resource Details

Hide Extents
Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY  as needed

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 DataSource table and the DataSourceID in each Feature Class (but especially the ContactsAndFaults FeatureClass/Layer) to determine original intended scale.

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Data Quality

SCOPE OF QUALITY INFORMATION

RESOURCE LEVEL  dataset

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY

MEASURE DESCRIPTION
Horizontal accuracy is difficult to quantify in geologic mapping of this type. User should use original map scale (linked to DataSource 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 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.

Geoprocessing history

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Include in Lineage when Exporting Metadata  No

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

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