Geologic Map of Saint Lawrence Island, Alaska

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Description of data files

Introduction

This digital database was compiled with ARC/INFO (Environmental Systems Research Institute, http://www.esri.com) version 7.2.2 and consists of files containing geologic map data in ARC/INFO coverage format. ARC/INFO-compatible GIS software is therefore required to use the files of this database. This publication includes ArcGIS version 9.3 coverage export and shape files, additional attribute databases in a variety of formats, Portable Document Format (PDF) files of the geologic map, an accompanying geologic pamphlet, this readme file, and FGDC-compliant metadata for the database.

Geologic map database and associated files

Export files are provided in geographic coordinates and UTM zone 2 projection:

    slgeol_dd.e00
    slgeol.e00 (UTM)

They are derived from network coverages and contain both polygon and arc attributes within a single coverage.

Polygon attributes: Geologic map units (see metadata for field definitions)

Arc attributes: Contacts, faults, water bodies, and map bounding arcs (see metadata for field definitions)

Shape files are also provided in geographic coordinates and UTM zone 2 projection:

    slgeol_dd.zip
    slgeol.zip (UTM)

The shapefiles are derived from the network coverages and each of the zip files consists of 2 shape files, one each for polygons and arcs. As a result of conversion to shapefiles, the topologic linkages between polygons and arcs of the network coverages are not maintained.

Other datafiles

slgeol.lut: INFO lookup table for symbolizing and labeling map units. Links to polygons "CLASS" attribute. Also provided as a .dbf file.

ARC/INFO shadeset (wpgcmykg.shd) and ArcGIS stylesheet (wpgcmykg.style) providing symbol definitions for symbolizing geologic units.

ARC/INFO lineset (geology.lin) and ArcGIS stylesheet (AKgeologyAC.style) providing symbol definitions for symbolizing arcs, links to ARC-CODE attribute.

Supplemental attribute tables:

Filemaker Pro native databases

Comma-separated values ACSII files

DBF files

Filemaker Pro runtime application

Files for viewing and plotting

sim3146_map.pdf: A Portable Document Format (PDF) file for viewing and plotting the geologic map at full (1:250,000) scale. The plot is approximately 56 x 30 inches in size.

sim3146_pamphlet.pdf: A Portable Document Format (PDF) file for viewing and printing the pamphlet that accompanies the map. The pamphlet contains a geologic interpretation, description of map units, and a table of radiometric age determinations.

Metadata

Metadata are provided in a variety of formats, including:

sl_meta.txt: Federal Geographic Data Committee (FGDC) compliant metadata file derived from the digital database.

sl_meta.htm: Federal Geographic Data Committee (FGDC) compliant metadata file derived from the digital database in HTML format.

sl_meta.faq.htm: Federal Geographic Data Committee (FGDC) compliant metadata file derived from the digital database as frequently-asked-questions in HTML format

sl_meta.xml: Federal Geographic Data Committee (FGDC) compliant metadata file derived from the digital database in XML format.

How to obtain the digital files

To search and order USGS publications (both printed and web) go to http://pubs.er.usgs.gov. Alternatively, users may go directly to this publication at http://pubs.usgs.gov/sim/3146/ and follow the download instructions.

Portable Document Format (PDF) files

The PDF files are accessed using Adobe Reader or similar software, available free from the Adobe website http://www.adobe.com. Follow instructions at the website to download and install the software. Adobe Reader contains an on-line manual and tutorial.