Major Oxide and Trace Element Analyses for Igneous Rock Samples From South-Central Idaho

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification Information:

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Citation:

Citation Information:

Originator: Reed S. Lewis and Thor H. Kiilsgaard
Publication Date: 20091013
Title: *Major Oxide and Trace Element Analyses for Igneous Rock Samples From South-Central Idaho*
Edition: *1.2009.10*
Geospatial Data Presentation Form: point spread sheet data (Excel 9.0.x)
Series Information:
Series Name: Digital Analytical Data
Issue Identification: DAD-6
Publication Information:
Publication Place: Moscow, Idaho
Publisher: Idaho Geological Survey
Online Linkage: http://www.idahogeology.org

Description:

Abstract:

Geochemistry sample data:

Geochemistry sample analysis data (point data) from Idaho

Purpose:

Geochemical analysis of rock samples in Idaho

Time Period of Content:

Time Period Information:

Single Date/Time:
Calendar Date: 20091013
Currentness Reference: publication date
Status:
Progress: complete
Maintenance and Update Frequency: As needed
Spatial Domain:
Bounding Coordinates:
West Bounding Coordinate: -116.1789
East Bounding Coordinate: -114.328
North Bounding Coordinate: 44.8357
South Bounding Coordinate: 43.4064
Keywords:
Theme:
Theme Keyword Thesaurus: none
Theme Keyword: geochemical data
Place:
Place Keyword Thesaurus: none
Place Keyword: South-Central Idaho
Geology:
Geology Keyword Thesaurus:
Geology Keyword : Geochemistry data
Access Constraints: none
Use Constraints: Digital compilation data intended for non site-specific investigations
Point of Contact:
Contact Information:
Contact Person Primary:
Contact Person: Loudon R. Stanford
Contact Organization: Idaho Geological Survey
Contact Position: Manager, IGS-Digital Geologic Mapping
Contact Address:
Address Type: physical
Address: 3rd Floor Morrill Hall, University of Idaho
City: Moscow
State or Province: Idaho
Postal Code: 83844-3014
Country: USA
Contact Voice Telephone: 208 885-7479
Contact Facsimile Telephone: 208 885-5826
Contact E-mail: stanford@uidaho.edu
Browse Graphic:
Browse Graphic File Name: none
Browse Graphic File Description: none
Browse Graphic File Type: none
Data Set Credit: Reed S. Lewis and Thor H. Kiilsgaard

Data Quality Information:

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Attribute Accuracy:

Attribute Accuracy Report:

Geochemistry sample data:

Geochemistry sample locations are visually checked against original maps for completeness.

Logical Consistency Report:

Geochemistry sample data:

Geochem sample data used in this compilation was visually compared against topographic and geologic maps to determine errors.

Completeness Report:

Geochemistry sample data:

Geochem samples and their attributes for this data set come from the map authors. Symbols are non-rotated. Detailed descriptions of attributes are found in the Explanation Tab in the Excel file.

Positional Accuracy:

Horizontal Positional Accuracy:

Horizontal Positional Accuracy Report:

Geochemistry sample data:

Horizontal accuracy is difficult to quantify for point location data of this type. Data was compiled from many sources.

Lineage:

Process Step:

Process Description: Whole-rock chemistry, locations, and lithology of 350 igneous rock samples collected from 1978 through 1990. Most samples are from Cretaceous and Eocene plutonic rocks. All were collected by Thor Kiilsgaard, Reed Lewis, and field assistants during the
Process Date: 20091000

Process Step:

Process Description: Challis and Hailey CUSMAP (Conterminous U.S. Mineral Appraisal Program) projects of the U.S. Geological Survey. Only a subset of the data was previously published, and those data did not have precise locations.
Process Date: 20091000

Process Step:

Process Description: Analyses were completed at U.S. Geological Survey laboratories in Denver, Colorado, and Jeddah, Saudi Arabia, as well as at Washington State University and Franklin and Marshall University

Process Date: 20091000

Spatial Data Organization Information:

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Direct Spatial Reference Method:

Geochemistry sample data: point

Point and Vector Object Information:

SDTS Terms Description:

SDTS Point and Vector Object Type:

Geochemistry sample data: entity point

Spatial Reference Information:

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Horizontal Coordinate System Definition:

Geographic

Latitude Resolution: 1

Longitude Resolution: 1

Geographic Coordinate Units: Decimal degrees

Geodetic Model:

Horizontal Datum Name: NAD27

Ellipsoid Name: Clark 1866

Semi-Major Axis: 6378206.4

Denominator of Flattening Ratio: 294.98

Entity and Attribute Information:

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Detailed Description:

Entity Type:

Entity Type Label: Geochemistry sample data

Entity Type Definition: All major oxide and trace element analyses are by X-ray fluorescence (XRF) spectrometry; major oxides are in weight percent; trace elements are in parts per million

Entity Type Definition Source: Major Oxide and Trace Element

Analyses for Igneous Rock Samples From South-Central Idaho, compiled Reed S. Lewis and Thor H. Kiilsgaard, 2009: Idaho Geological Survey Digital Analytical Data 6

Attribute:

Attribute Label: Geochemistry sample codes

Attribute Definition: All major oxide and trace element analyses are by X-ray fluorescence (XRF) spectrometry; major oxides are in weight percent; trace elements are in parts per million

Attribute Definition Source: Major Oxide and Trace Element Analyses for Igneous Rock Samples From South-Central Idaho, compiled Reed S. Lewis and Thor H. Kiilsgaard, 2009: Idaho Geological Survey Digital Analytical Data 6

Attribute Domain Values:

Codeset Domain:

Codeset Name: Major Oxide and Trace Element Analyses for Igneous Rock Samples From South-Central Idaho,

Codeset Source: Major Oxide and Trace Element Analyses for Igneous Rock Samples From South-Central Idaho. See Explanation Tab in Excel file.

Overview Description: (Geochemistry sample data)

Entity and Attribute Overview Description:

All major oxide and trace element analyses are by X-ray fluorescence (XRF) spectrometry; major oxides are in weight percent; trace elements are in parts per million. Analyses were completed at U.S. Geological Survey laboratories in Denver, Colorado, and Jeddah, Saudi Arabia, as well as at Washington State University and Franklin and Marshall University

Entity and Attribute Detail Citation:

Major Oxide and Trace Element Analyses for Igneous Rock Samples From South-Central Idaho, compiled Reed S. Lewis and Thor H. Kiilsgaard, 2009: Idaho Geological Survey Digital Analytical Data 6

Distribution Information:

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Distributor:

Contact Information:

Contact Person Primary:

Contact Person: Loudon R. Stanford

Contact Organization: Idaho Geological Survey

Contact Position: Manager, IGS-Digital Geologic Mapping

Contact Address:

Address Type: physical
Address: 3rd Floor Morrill Hall, University of Idaho
City: Moscow
State or Province: Idaho
Postal Code: 83844-3014
Country: USA
Contact Voice Telephone: 208 885-7479
Contact FAX: 208 885-5826
Contact E-mail: stanford@uidaho.edu
Resource Description: DAD-6
Distribution Liability: The Idaho Geological Survey does not assume liability; no warranty expressed or implied is made by the Agency regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty
Standard Order Process:
Digital Form:
Digital Transfer Information:
Format Name: Microsoft Excel 9.0.x file
Format Version Number: 9.0.x
Format Information Content: Excel spread sheet file
File Decompression Technique: WinZip
Digital Transfer Option:
Online Option:
Computer Contact Information:
Network Address:
Network Resource Name:
http://www.idahogeology.org
Offline Option:
Offline Media: none
Fees: none
Ordering Instructions: Online only
Technical Prerequisites: Work knowledge of Microsoft Excel and a good understanding of geochemical rock analysis.

Metadata Reference Information:

Section Index
Metadata Date: 20091013
Metadata Contact:
Contact Information:
Contact Person Primary:
Contact Person: Loudon R. Stanford
Contact Organization: Idaho Geological Survey
Contact Position: Manager, IGS-Digital Geologic Mapping
Contact Address:

Address Type: physical
Address: 3rd Floor Morrill Hall, University of Idaho
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Postal Code: 83844-3014
Country: USA
Contact Voice Telephone: 208 885-7479
Contact FAX: 208 885-5826
Contact E-mail: stanford@uidaho.edu
Metadata Standard Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata Standard Version: FGDC-STD-001-1998