

Major Oxide and Trace Element Analyses for Volcanic Rock Samples From Idaho, 1996 Through 2006 compiled by John D. Kauffman, 2004: Idaho Geological Survey DAD-4

Metadata:

Identification Information:

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Citation:

Citation Information:

Originator: John D. Kauffman

Publication Date: 20070426

Title: *Major Oxide and Trace Element Analyses for Volcanic Rock Samples From Idaho, 1996 Through 2006 compiled by John D. Kauffman, 2004: Idaho Geological Survey DAD-4*

Edition: 1.2007.04

Geospatial Data Presentation Form: point spread sheet data
(Excel 9.0.x)

Series Information:

Series Name: Digital Analytical Data

Issue Identification: DAD-4

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: 20070426

Currentness Reference: publication date

Status:

Progress: complete

Maintenance and Update Frequency: As needed

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -117.051

East Bounding Coordinate: -112.0497

North Bounding Coordinate: 48.00714

South Bounding Coordinate: 42.39407

Keywords:

Theme:

Theme Keyword Thesaurus: none

Theme Keyword: geochemical data

Place:

Place Keyword Thesaurus: none

Place Keyword: 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: John D. Kauffman

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:

Source Information:

Source Citation: DWM-4

Citation Information:

Originator: K.L. Othberg, D.W. Weisz, and R.M. Breckenridge

Publication Date: 2002

Title: *Surficial Geologic Map of the Orofino East Quadrangle, Clearwater and Lewis Counties, Idaho*

Series Information:

Series Name: Digital Web Map

Issue Identification:

Publication Information:

Publisher Place: Moscow, Idaho

Publisher: Idaho Geological Survey

Source Scale Denominator: 24000

Source Scale Denominator for Field Map: 24000

Source Scale Denominator for Publication Map: 24000
Type of Source Media: film
Source Time Period of Content:
 Time Period Information:
 Single Date/Time:
 Calendar Date: 2002
 Source Currentness Reference: 2002
Source Citation Abbreviation: DWM-4
Source Contribution: Surficial geology
Source Description: Idaho Geological Survey Digital Web Map
Base Map Information:
 Base Map Name: Orofino East
 Base Map Scale: 24000
 Base Map Date: 1994
 Process Description:
Spatial Domain:
 Bounding Coordinates:
 West Bounding Coordinate: -116.25
 East Bounding Coordinate: -116.125
 North Bounding Coordinate: 46.5
 South Bounding Coordinate: 46.375

Source Information:
 Source Citation: IGS-GM-28
 Citation Information:
 Originator: Reed S. Lewis, Russell F. Burmester,
 John D. Kauffman, and Thomas P. Frost
 Publication Date: 2000
 Title: *Geologic Map of the St. Maries 30 x 60*
 Minute Quadrangle, Idaho
 Series Information:
 Series Name: Geologic Map
 Issue Identification: none
 Publication Information:
 Publisher Place: Moscow, Idaho
 Publisher: Idaho Geological Survey

Source Scale Denominator: 100000
 Source Scale Denominator for Field Map: 24000
 Source Scale Denominator for Publication Map: 10000
Type of Source Media:
Source Time Period of Content:
 Time Period Information:
 Single Date/Time:
 Calendar Date: 2000
 Source Currentness Reference: 2000

Source Citation Abbreviation: IGS-GM-28

Source Contribution: Geochemistry sample data and geologic map data

Source Description: Idaho Geological Survey Geologic Map

Base Map Information:

Base Map Name: St. Maries

Base Map Scale: 100000

Process Description:

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -117

East Bounding Coordinate: -116

North Bounding Coordinate: 48.5

South Bounding Coordinate: 48

Source Information:

Source Citation: DWM-38

Citation Information:

Originator: K.L. Schmidt, D.L. Garwood, and J.D. Kauffman

Publication Date: 2005

Title: *Geologic map of the Keuterville quadrangle, Lewis and Idaho counties, Idaho*

Series Information:

Series Name: Digital Web Map

Issue Identification:

Publication Information:

Publisher Place: Moscow, Idaho

Publisher: U.S. Geological Survey

Source Scale Denominator: 24000

Source Scale Denominator for Field Map: 24000

Source Scale Denominator for Publication Map: 24000

Type of Source Media: film

Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 2005

Source Currentness Reference: 2005

Source Citation Abbreviation: DWM-38

Source Contribution: Bedrock geology

Source Description: Digital Web Map

Base Map Information:

Base Map Name: Keuterville

Base Map Scale: 24000

Base Map Date: 1967

Process Description:

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -116.5

East Bounding Coordinate: -116.375

North Bounding Coordinate: 46.125

South Bounding Coordinate: 46

Source Information:

Source Citation: DWM-37

Citation Information:

Originator: J.D. Kauffman

Publication Date: 2005

Title: *Geologic map of the Culdesac South quadrangle, Nez Perce county, Idaho*

Series Information:

Series Name: Digital Web Map

Issue Identification:

Publication Information:

Publisher Place: Moscow, Idaho

Publisher: Idaho Geological Survey

Source Scale Denominator: 24000

Source Scale Denominator for Field Map: 24000

Source Scale Denominator for Publication Map: 24000

Type of Source Media: film

Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 2005

Source Currentness Reference: 2005

Source Citation Abbreviation: DWM-37

Source Contribution: Bedrock geology

Source Description: Digital Web Map

Base Map Information:

Base Map Name: Culdesac South

Base Map Scale: 24000

Base Map Date: 1984

Process Description:

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -116.75

East Bounding Coordinate: -116.625

North Bounding Coordinate: 46.375

South Bounding Coordinate: 46.25

Source Information:

Source Citation: GM-36

Citation Information:

Originator: John D. Kauffman

Publication Date: 2004

Title: *Geologic Map of the Gifford Quadrangle,
Nez Perce County, Idaho*

Series Information:

Series Name: Geologic Map

Issue Identification:

Publication Information:

Publisher Place: Moscow, Idaho

Publisher: Idaho Geological Survey

Source Scale Denominator: 24000

Source Scale Denominator for Field Map: 24000

Source Scale Denominator for Publication Map: 24000

Type of Source Media: greenline

Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 2004

Source Currentness Reference: 2004

Source Citation Abbreviation: GM-36

Source Contribution: Bedrock geology

Source Description: Geologic Map

Base Map Information:

Base Map Name: Gifford

Base Map Scale: 24000

Base Map Date: 1984

Process Description:

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -116.625

East Bounding Coordinate: -116.5

North Bounding Coordinate: 46.5

South Bounding Coordinate: 46.375

Process Step:

Process Description: These analyses of whole-rock chemistry, sample locations, and lithologies for 369 volcanic rocks supplement those in Digital Analytical Data 1. Most samples were collected and analyzed in 2004 and 2005.

Process Date: 20070400

Process Step:

Process Description: A few were collected from 1996 to 2003 but were either not analyzed until 2004 or not included in DAD-1. In addition, the bead of one basalt dike sample collected by Peter

Hooper in the 1970's was rerun.

Process Date: 20070400

Process Step:

Process Description: he remainder of sampling was conducted the Idaho Geological Survey or the Department of Ge

Process Date: 20070400

Spatial Data Organization Information:

[Section Index](#)

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 Volcanic Rock Samples From Idaho, 1996 Through 2006, compiled by John D. Kauffman, 2007: Idaho Geological Survey DAD-4

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 Volcanic Rock Samples From Idaho, 1996 Through 2006, compiled by John D. Kauffman, 2007: Idaho Geological Survey DAD-4

Attribute Domain Values:

Codeset Domain:

Codeset Name: Major Oxide and Trace Element Analyses for Volcanic Rock Samples From Idaho, 1996 Through 2006

Codeset Source: Major Oxide and Trace Element Analyses for Volcanic Rock Samples From Idaho, 1996 Through 2006. 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. Lab = laboratory where analyses were performed: WSU = Washington State University GeoAnalytical Laboratory

Entity and Attribute Detail Citation:

Major Oxide and Trace Element Analyses for Volcanic Rock Samples From Idaho, 1996 Through 2006, compiled by John D. Kauffman, 2007: Idaho Geological Survey DAD-4

Distribution Information:

[Section Index](#)

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:

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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-4

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: 20070426

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

City: Moscow

State or Province: Idaho

Postal Code: 83844-3014

Country: USA

Contact Voice Telephone: 208 885-7479

Contact FAX: 208 885-5826

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Metadata Standard Name: FGDC Content Standards for Digital
Geospatial Metadata

Metadata Standard Version: FGDC-STD-001-1998
