

Major Oxide and Trace Element Analyses for Igneous and Metamorphic Rock Samples From Northern Idaho: Idaho Geological Survey Digital Analytical Data 13 (DAD-13): Version 8.2017.1

Excel Spread Sheet Version 14



Tags

Major Oxide and Trace Element Analyses for Igneous and Metamorphic Rock Samples, Northern Idaho

Summary

This file provides analysis of whole-rock chemistry, sample locations, and lithology on 65 igneous and metamorphic rock samples collected from 2003 through 2010.

Description

This file provides analysis of whole-rock chemistry, sample locations, and lithology on 65 igneous and metamorphic rock samples collected from 2003 through 2010. Eight of these analyses have previously been published in tables on Idaho Geological Survey maps as noted in the "reference" column, but are included here to maintain a more complete file in a digital format. All of the samples were collected by personnel of the Idaho Geological Survey or by Richard Gaschnig, except for sample 06SB206 collected by Steve Box of the U.S. Geological Survey. Most of the samples are from Cretaceous and Eocene plutonic bodies and amphibolite-facies metamorphic units and the majority were collected to support geologic mapping efforts for the U.S. Geological Survey STATEMAP Program in the Sandpoint and Bonners Ferry 30'x60' quadrangles. The ICPMS analyses were funded through National Science Foundation grant EAR-0844149 to Jeff Vervoort. The data are sorted by year collected and then sample number. For details on analytical methods at Washington State University, see: <http://cahnrs.wsu.edu/soe/facilities/geolab/technotes/>

Credits

Reed S. Lewis and Richard M. Gaschnig

Use limitations

None

Extent

West -116.99023992 **East** -115.899943
North 48.9541 **South** 46.876256

Scale Range

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

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

TITLE Major Oxide and Trace Element Analyses for Igneous and Metamorphic Rock Samples From Northern Idaho: Idaho Geological Survey Digital Analytical Data 13 (DAD-13): Version 8.2017.1
PUBLICATION DATE 2016-04-28 00:00:00

PRESENTATION FORMATS * digital map

SERIES

NAME Digital Analytical Data
ISSUE 13

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

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

CONTACT INFORMATION ►

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TYPE physical
DELIVERY POINT 875 Perimeter Dr. MS 3014
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POSTAL CODE 83844-3014
COUNTRY US
E-MAIL ADDRESS IGS@uidaho.edu

[Hide Contact information ▲](#)[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS on-going
 SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.1.4959

CREDITS
 Reed S. Lewis and Richard M. Gaschnig

ARCGIS ITEM PROPERTIES
 * NAME DAD-13
 * SIZE 0.002
 * LOCATION file://\\igs-rift\GeoChem\$\DAD_publications\Pending\DAD-13\Shape\DAD-13.shp
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT
 GEOGRAPHIC EXTENT
 BOUNDING RECTANGLE
 EXTENT TYPE Extent used for searching
 WEST LONGITUDE -116.99023992
 EAST LONGITUDE -115.899943
 NORTH LATITUDE 48.9541
 SOUTH LATITUDE 46.876256
 EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
 * WEST LONGITUDE -116.990240
 * EAST LONGITUDE -115.899943
 * SOUTH LATITUDE 46.876256
 * NORTH LATITUDE 48.954100
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE
 UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS
LIMITATIONS OF USE
None

Hide Resource Constraints ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE **Geographic**
- * GEOGRAPHIC COORDINATE REFERENCE **GCS_North_American_1927**
- * COORDINATE REFERENCE DETAILS
 - GEOGRAPHIC COORDINATE SYSTEM
 - WELL-KNOWN IDENTIFIER **4267**
 - X ORIGIN **-400**
 - Y ORIGIN **-400**
 - XY SCALE **11258999068426.238**
 - Z ORIGIN **-100000**
 - Z SCALE **10000**
 - M ORIGIN **-100000**
 - M SCALE **10000**
 - XY TOLERANCE **8.9830550972891565e-009**
 - Z TOLERANCE **0.001**
 - M TOLERANCE **0.001**
 - HIGH PRECISION **true**
 - LEFT LONGITUDE **-180**
 - LATEST WELL-KNOWN IDENTIFIER **4267**
 - WELL-KNOWN TEXT **GEOGCS["GCS_North_American_1927",DATUM["D_North_American_1927",SPHEROID["Clarke_1866",6378206.4,294.9786982]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4267]]**

REFERENCE SYSTEM IDENTIFIER

- * VALUE **4267**
- * CODESPACE **EPSG**
- * VERSION **8.6.2**

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET **geometry only**

GEOMETRIC OBJECTS

- FEATURE CLASS NAME **DAD-13**
- * OBJECT TYPE **point**
- * OBJECT COUNT **67**

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME **DAD-13**
- * FEATURE TYPE **Simple**
- * GEOMETRY TYPE **Point**
- * HAS TOPOLOGY **FALSE**
- * FEATURE COUNT **67**

- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTION FORMAT

NAME Excel Spread Sheet Version 14
VERSION 14

TRANSFER OPTIONS

* TRANSFER SIZE 0.002

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [DAD-13 ►](#)

* TYPE Feature Class
* ROW COUNT 67

FIELD [FID ►](#)

- * ALIAS FID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

[Hide Field FID ▲](#)

FIELD [Shape ►](#)

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES

Coordinates defining the features.

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FIELD Sample_No ►
* ALIAS Sample_No
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* SCALE 0

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FIELD Reference ►
* ALIAS Reference
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FIELD Year ►
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* SCALE 6

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* SCALE 0

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FIELD Submitter ►
* ALIAS Submitter
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* PRECISION 0
* SCALE 0

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FIELD 100k_quad ►
* ALIAS 100k_quad

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- * PRECISION 0
- * SCALE 0

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FIELD 24k_quad ►

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- * PRECISION 0
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FIELD Latitude_N ►

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- * PRECISION 15
- * SCALE 6

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FIELD Longitude_ ►

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- * PRECISION 15
- * SCALE 6

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FIELD Supergroup ►

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FIELD Group ►

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FIELD Informal_n ►

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FIELD Formation ►

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FIELD Member_or_ ▶

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FIELD TiO2 ►

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- * PRECISION 15
- * SCALE 6

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FIELD Al2O3 ►

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FIELD FeO_total ▶

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FIELD K2O ▶

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FIELD P205 ►

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FIELD F39 ►

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FIELD TiO2_norm ►

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FIELD MnO_norm ►

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- * DATA TYPE Double
- * WIDTH 16
- * PRECISION 15
- * SCALE 6

[Hide Field MnO_norm ▲](#)

FIELD MgO_norm ►

- * ALIAS MgO_norm
- * DATA TYPE Double
- * WIDTH 16
- * PRECISION 15
- * SCALE 6

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FIELD CaO_norm ►

- * ALIAS CaO_norm
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- * PRECISION 15
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FIELD Na2O_norm ►

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- * PRECISION 15

* SCALE 6

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FIELD K2O_norm ►

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FIELD P2O5_norm ►

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FIELD Cr_XRF ►

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- * PRECISION 15
- * SCALE 6

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FIELD V_XRF ►

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FIELD Ba_XRF ►

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- * PRECISION 15
- * SCALE 6

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FIELD Rb_XRF ►

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- * SCALE 6

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FIELD Sr_XRF ►

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- * WIDTH 16
- * PRECISION 15
- * SCALE 6

[Hide Field Sr_XRF ▲](#)

FIELD Zr_XRF ►

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FIELD Nb_XRF ►

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FIELD La_XRF ►

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FIELD Ce_XRF ►

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FIELD Th_XRF ►

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FIELD U_XRF ►

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FIELD ICPMS_Job_ ►

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FIELD Ce_ICPMS ►

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FIELD Pr_ICPMS ►

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FIELD Nd_ICPMS ►

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FIELD Sm_ICPMS ▶

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FIELD Gd_ICPMS ▶

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FIELD Tb_ICPMS ▶

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FIELD Ho_ICPMS ▶

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Hide Field Ho_ICPMS ▲

FIELD Er_ICPMS ►

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FIELD Tm_ICPMS ►

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FIELD Lu_ICPMS ►

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FIELD Ba_ICPMS ►

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FIELD Th_ICPMS ►

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FIELD Nb_ICPMS ►

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FIELD Y_ICPMS ►

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- * SCALE 0

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FIELD Ta_ICPMS ►

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FIELD U_ICPMS ►

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FIELD Pb_ICPMS ►

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FIELD Rb_ICPMS ►

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FIELD Sc_ICPMS ►

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FIELD Zr_ICPMS ►

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- * DATA TYPE String
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- * PRECISION 0
- * SCALE 0

[Hide Field Zr_ICPMS ▲](#)

FIELD F100 ►

- * ALIAS F100
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field F100 ▲](#)

FIELD F101 ►

- * ALIAS F101
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- * SCALE 0

[Hide Field F101 ▲](#)

FIELD F102 ►

- * ALIAS F102
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- * PRECISION 0
- * SCALE 0

[Hide Field F102 ▲](#)

FIELD F103 ►

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- * SCALE 0

[Hide Field F103 ▲](#)

FIELD F104 ►

- * ALIAS F104
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field F104 ▲](#)

FIELD F105 ►

- * ALIAS F105
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field F105 ▲](#)

FIELD F106 ►

- * ALIAS F106
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0

* SCALE 0

[Hide Field F106 ▲](#)

FIELD F107 ►

* ALIAS F107
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

[Hide Field F107 ▲](#)

FIELD F108 ►

* ALIAS F108
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

[Hide Field F108 ▲](#)

FIELD F109 ►

* ALIAS F109
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

[Hide Field F109 ▲](#)

[Hide Details for object DAD-13 ▲](#)

OVERVIEW DESCRIPTION ►

ENTITY AND ATTRIBUTE OVERVIEW

See "Explanation" sheet in Excel file for descriptions of data fields.

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
 SCOPE NAME * dataset

LAST UPDATE 2016-05-05

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 2016-05-05 09:46:05
LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-08-09 10:27:11

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2017-08-09 10:26:16

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

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

CONTACT INFORMATION ►

PHONE

VOICE 208-885-7991

ADDRESS

TYPE physical
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 Metadata Contacts ▲](#)

Metadata Constraints ►

CONSTRAINTS

LIMITATIONS OF USE
None

[Hide Metadata Constraints ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼