

# Major Oxide and Trace Element Analyses for Igneous Rock Samples From the Salmon 30 x 60 Minute Quadrangle, Idaho, Idaho Geological Survey Digital Analytical Data 15 (DAD-15): Version 8.2017.1

Excel Spread Sheet Version 14



## Tags

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

## Summary

This file provides analysis of whole-rock chemistry, sample locations, and lithology on 14 igneous rock samples collected from 2007 through 2012 in the Salmon 30'x60' quadrangle

## Description

This file provides analysis of whole-rock chemistry, sample locations, and lithology on 14 igneous rock samples collected from 2007 through 2012. All of the samples were collected by personnel of the Idaho Geological Survey. The samples are from Eocene volcanic or plutonic units and were collected to support Idaho Geological Survey geologic mapping efforts for the U.S. Geological Survey STATEMAP Program in the Salmon 30'x60' quadrangle. 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

## Use limitations

None

**Extent**

**West** -113.99548    **East** -113.52799728  
**North** 45.3716291    **South** 45.00505217

**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 Rock Samples From the Salmon 30 x 60 Minute Quadrangle, Idaho, Idaho Geological Survey Digital Analytical Data 15 (DAD-15): Version 8.2017.1

**PUBLICATION DATE** 2016-04-28 00:00:00

**PRESENTATION FORMATS** \* digital map

**SERIES**

**NAME** Digital Analytical Data

**ISSUE** 15

*Hide Citation ▲*

**Citation Contacts ►****RESPONSIBLE PARTY**

**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 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

ARCGIS ITEM PROPERTIES  
 \* NAME DAD-15  
 \* SIZE 0.001  
 \* LOCATION file:///\\igs-rift\GeoChem\$\DAD\_publications\Pending\DAD-15\Shape\DAD-15.shp  
 \* ACCESS PROTOCOL Local Area Network

*Hide Resource Details ▲*

## Extents ▶

EXTENT  
 GEOGRAPHIC EXTENT  
 BOUNDING RECTANGLE  
 EXTENT TYPE Extent used for searching  
 WEST LONGITUDE -113.99548  
 EAST LONGITUDE -113.52799728  
 NORTH LATITUDE 45.3716291  
 SOUTH LATITUDE 45.00505217  
 EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM  
 \* WEST LONGITUDE -113.995480  
 \* EAST LONGITUDE -113.527997  
 \* SOUTH LATITUDE 45.005052  
 \* NORTH LATITUDE 45.371629  
 \* EXTENT CONTAINS THE RESOURCE Yes

*Hide Extents ▲*

## Resource Points of Contact ▶

POINT OF 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 Resource Points of Contact ▲](#)

## 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-15

\* OBJECT TYPE point

\* OBJECT COUNT 16

*Hide Vector ▲*

### ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME DAD-15

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Point

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 16

\* 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 0.001

*Hide Distribution ▲*

## Fields ►

### DETAILS FOR OBJECT DAD-15 ►

\* TYPE Feature Class

\* ROW COUNT 16

#### 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.

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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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- \* PRECISION 0
- \* SCALE 0

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FIELD Reference ►

- \* ALIAS Reference
- \* DATA TYPE String
- \* WIDTH 254
- \* PRECISION 0
- \* SCALE 0

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FIELD Year ►

- \* ALIAS Year
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- \* ALIAS Sampler

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

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FIELD Submitter ►

- \* ALIAS Submitter
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- \* PRECISION 0
- \* SCALE 0

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- \* ALIAS 100k\_quad
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- \* PRECISION 0
- \* SCALE 0

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FIELD 24k\_quad ►

- \* ALIAS 24k\_quad
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- \* PRECISION 0
- \* SCALE 0

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- \* ALIAS Latitude\_N
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- \* PRECISION 15
- \* SCALE 6

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FIELD Longitude\_ ►

- \* ALIAS Longitude\_
- \* DATA TYPE Double
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- \* PRECISION 15
- \* SCALE 6

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- \* SCALE 0

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- \* ALIAS IGS\_map\_un
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- \* PRECISION 0
- \* SCALE 0

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- \* ALIAS Unit\_name
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- \* SCALE 0

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FIELD Age ►

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

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FIELD Supergroup ►

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- \* SCALE 0

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FIELD Group ►

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- \* PRECISION 0
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- \* SCALE 0

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- \* PRECISION 0
- \* SCALE 0

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- \* WIDTH 254
- \* PRECISION 0
- \* SCALE 0

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- \* PRECISION 0
- \* SCALE 0

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- \* SCALE 0

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- \* ALIAS Lithology
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- \* PRECISION 0
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- \* PRECISION 0
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- \* SCALE 0

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

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- \* SCALE 0

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- \* SCALE 0

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- \* PRECISION 15
- \* SCALE 6

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## FIELD TiO2 ▶

- \* ALIAS TiO2
- \* DATA TYPE Double
- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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## FIELD Al2O3 ▶

- \* ALIAS Al2O3
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- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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## FIELD FeO\_total ▶

- \* ALIAS FeO\_total
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- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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## FIELD MnO ▶

- \* ALIAS MnO
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- \* PRECISION 15
- \* SCALE 6

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## FIELD MgO ▶

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- \* PRECISION 15
- \* SCALE 6

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FIELD CaO ►

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- \* PRECISION 15
- \* SCALE 6

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FIELD Na2O ►

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- \* DATA TYPE Double
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- \* PRECISION 15
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FIELD K2O ►

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- \* DATA TYPE Double
- \* WIDTH 16
- \* PRECISION 15
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FIELD P2O5 ►

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

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FIELD Total ►

- \* ALIAS Total
- \* DATA TYPE Double
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- \* PRECISION 15
- \* SCALE 6

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FIELD F39 ►

- \* ALIAS F39
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- \* SCALE 6

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FIELD SiO2\_norm ►

- \* ALIAS SiO2\_norm
- \* DATA TYPE Double
- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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FIELD TiO2\_norm ►

- \* ALIAS TiO2\_norm
- \* DATA TYPE Double
- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

[Hide Field TiO2\\_norm ▲](#)

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FIELD MgO\_norm ►

- \* ALIAS MgO\_norm
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- \* WIDTH 16
- \* PRECISION 15

\* SCALE 6

[Hide Field MgO\\_norm ▲](#)

FIELD CaO\_norm ►

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\* PRECISION 15  
\* SCALE 6

[Hide Field CaO\\_norm ▲](#)

FIELD Na2O\_norm ►

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- \* PRECISION 15
- \* SCALE 6

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FIELD Cr\_XRF ►

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- \* PRECISION 15
- \* SCALE 6

*Hide Field Cr\_XRF ▲*

FIELD Sc\_XRF ►

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- \* PRECISION 15
- \* SCALE 6

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FIELD V\_XRF ►

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- \* PRECISION 15
- \* SCALE 6

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FIELD Ba\_XRF ►

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- \* PRECISION 15
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FIELD Rb\_XRF ►

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

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FIELD Sr\_XRF ►

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

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FIELD Zr\_XRF ►

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

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FIELD Ga\_XRF ►

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- \* PRECISION 15
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- \* PRECISION 15
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- \* ALIAS Zn\_XRF



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

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- \* PRECISION 15
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FIELD La\_XRF ►

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

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

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FIELD Th\_XRF ►

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

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FIELD Nd\_XRF ►

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- \* PRECISION 15
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FIELD U\_XRF ►

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

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- \* WIDTH 16
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FIELD F71 ►

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- \* SCALE 0

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FIELD F72 ►

- \* ALIAS F72
- \* DATA TYPE Double
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- \* PRECISION 15
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FIELD F73 ►

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- \* ALIAS F76
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- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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## FIELD F77 ▶

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## FIELD F78 ▶

- \* ALIAS F78
- \* DATA TYPE Double
- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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## FIELD F79 ▶

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- \* SCALE 0

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## FIELD F80 ▶

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

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## FIELD F81 ▶

- \* ALIAS F81
- \* DATA TYPE String
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- \* PRECISION 0
- \* SCALE 0

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## FIELD F82 ▶

- \* ALIAS F82
- \* DATA TYPE Double
- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

*Hide Field F82 ▲*

## FIELD F83 ▶

- \* ALIAS F83
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- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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- \* PRECISION 15
- \* SCALE 6

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- \* ALIAS F85
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- \* WIDTH 16
- \* PRECISION 15
- \* SCALE 6

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## FIELD F86 ▶

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- \* PRECISION 15
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## FIELD F87 ▶

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## FIELD F88 ▶

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

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## FIELD F90 ▶

- \* ALIAS F90
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- \* SCALE 0

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## FIELD F91 ▶

- \* ALIAS F91
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## FIELD F92 ▶

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- \* PRECISION 0
- \* SCALE 0

[Hide Field F92 ▲](#)**FIELD F93 ▶**

- \* ALIAS F93
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- \* WIDTH 254
- \* PRECISION 0
- \* SCALE 0

[Hide Field F93 ▲](#)**FIELD F94 ▶**

- \* ALIAS F94
- \* DATA TYPE String
- \* WIDTH 254
- \* PRECISION 0
- \* SCALE 0

[Hide Field F94 ▲](#)[Hide Details for object DAD-15 ▲](#)**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 15:06:21  
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-08-04 14:13:02

**AUTOMATIC UPDATES**

HAVE BEEN PERFORMED Yes  
 LAST UPDATE 2017-08-04 14:13:02

[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  
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## Metadata Maintenance ►

### MAINTENANCE

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