**Oregon geologic units**

Metadata also available as - [[Questions & Answers](http://tin.er.usgs.gov/geology/state/metadata/or.faq.html)] - [[Parseable text](http://tin.er.usgs.gov/geology/state/metadata/or.txt)] - [[XML](http://tin.er.usgs.gov/geology/state/metadata/or.xml)]

**Metadata:**

* [Identification\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#1)
* [Data\_Quality\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#2)
* [Spatial\_Data\_Organization\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#3)
* [Spatial\_Reference\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#4)
* [Entity\_and\_Attribute\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#5)
* [Distribution\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#6)
* [Metadata\_Reference\_Information](http://tin.er.usgs.gov/geology/state/metadata/or.html#7)

*Identification\_Information:*

*Citation:*

*Citation\_Information:*

*Originator:* Steve Ludington

*Originator:* Barry C. Moring

*Originator:* Robert J. Miller

*Originator:* Kathryn S. Flynn

*Originator:* James G. Evans

*Originator:* Paul A. Stone

*Publication\_Date:* 2006

*Title:* Oregon geologic units

*Edition:* 1.0

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Series\_Information:*

*Series\_Name:* Open-File Report

*Issue\_Identification:* 2005-1305

*Publication\_Information:*

*Publication\_Place:* Reston, Virginia, USA

*Publisher:* U.S. Geological Survey

*Online\_Linkage:* [<http://pubs.usgs.gov/of/2005/1305/>](http://pubs.usgs.gov/of/2005/1305/)

*Larger\_Work\_Citation:*

*Citation\_Information:*

*Originator:* Steve Ludington

*Originator:* Barry C. Moring

*Originator:* Robert J. Miller

*Originator:* James G. Evans

*Originator:* Paul A. Stone

*Originator:* Arthur A. Bookstrom

*Originator:* Constance J. Nutt

*Originator:* David R. Bedford

*Originator:* Gordon A. Haxel

*Originator:* Melanie J. Hopkins

*Originator:* Kathryn S. Flynn

*Publication\_Date:* 2005

*Title:*

Preliminary integrated geologic map databases for the United States - Western States - California, Nevada, Arizona, Washington, Oregon, Idaho, and Utah

*Geospatial\_Data\_Presentation\_Form:* map

*Online\_Linkage:* [<http://pubs.usgs.gov/of/2005/1305/>](http://pubs.usgs.gov/of/2005/1305/)

*Description:*

*Abstract:*

These digital maps are a reformulation of previously published maps, primarily maps of states. The reformulation gives all the maps the same structure and format, allowing them to be combined into regional maps. The associated data tables have information about age and lithology of the map units, also in a standard format.

*Purpose:*

Provide digital maps and databases that, because of their common structure and format, allow creation of regional maps that depict age and lithology of map units.

*Supplemental\_Information:*

The data is provided in decimal degrees and in Lambert Conformal Conic projection. The data is provided in both coverage and shapefile format, and includes supplemental attribute tables. No attempt was made to reconcile differences in mapping across state boundaries.

*Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* 2006

*Currentness\_Reference:* publication date

*Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* None planned

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -126.686656

*East\_Bounding\_Coordinate:* -115.617508

*North\_Bounding\_Coordinate:* 47.587276

*South\_Bounding\_Coordinate:* 40.670892

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* none

*Theme\_Keyword:* geology

*Theme\_Keyword:* lithology

*Theme\_Keyword:* geologic age

*Theme\_Keyword:* maps

*Place:*

*Place\_Keyword\_Thesaurus:* none

*Place\_Keyword:* USA

*Place\_Keyword:* Oregon

*Access\_Constraints:*

No warranty, expressed or implied, is made regarding the accuracy or utility of this data for general or scientific purposes, nor shall the act of distribution constitute any such warranty. The U.S. Geological Survey shall not be held liable for improper or incorrect use of this data.

*Use\_Constraints:*

This database is not meant to be used at scales appreciably larger or smaller than the original scale. Any printed material utilizing these databases shall clearly indicate their source. If modifications to the data are made, this should be clearly indicated and described in print. Users specifically agree not to misrepresent these data, nor to imply that any changes they have made were approved by the U.S. Geological Survey. This database has been approved for release and publication by the Director of the U.S. Geological Survey. Although the database has been subjected to review and is substantially complete, the U.S. Geological Survey reserves the right to revise the data pursuant to further analysis and review. The database is released on the condition that neither the U.S. Geological Survey or the United States Government may be held liable for any damages resulting from its authorized or unauthorized use.

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Steve Ludington

*Contact\_Organization:* U.S. Geological Survey

*Contact\_Position:* geologist

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* U.S. Geological Survey, MS 901

*Address:* 345 Middlefield Road

*City:* Menlo Park

*State\_or\_Province:* CA

*Postal\_Code:* 94025

*Country:* USA

*Contact\_Voice\_Telephone:* 650.329.5371

*Contact\_Electronic\_Mail\_Address:* slud@usgs.gov

*Data\_Set\_Credit:* U.S. Geological Survey

*Native\_Data\_Set\_Environment:*

Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.2.0.700

*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:*

Map unit designations follow original compilation faithfully. Some units were subdivided into regional units by SDL and PAS. Additional information about age and lithology was obtained from the paper map legend and geologic literature.

*Logical\_Consistency\_Report:*

All internal polygons were checked for closure. Overshoots and undershoots have been deleted or corrected as appropriate.

*Completeness\_Report:*

The dataset contains all the map units and faults that were portrayed on the original printed map. Bodies of water and ice are classified as water and ice, and geologic units underlying them are not portrayed.

*Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy\_Report:*

The geologic map was digitized from compilations ranging in scale from 1:100,000 to 1:1,000,000, and is an accurate representation of the source map. It is intended to be used at scales equal to or smaller than 1:500,000. Display at significantly larger scales may produce error in location of contacts or faults relative to features contained in other data sets. The state boundary arcs are based on the 1:100,000 scale USGS topographic map series digital line graphs.

*Lineage:*

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* Walker, G.L.

*Originator:* MacLeod, N.S.

*Originator:* Miller, R.J.

*Originator:* Raines, G.L.

*Originator:* Connors, K.A

*Publication\_Date:* 2003

*Title:* Spatial digital database for the geologic map of Oregon

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Series\_Information:*

*Series\_Name:* U.S. Geological Survey Open-File Report

*Issue\_Identification:* OFR 03-067

*Publication\_Information:*

*Publication\_Place:* Reston, VA

*Publisher:* U.S. Geological Survey

*Online\_Linkage:* [<http://geopubs.wr.usgs.gov/open-file/of03-67/>](http://geopubs.wr.usgs.gov/open-file/of03-67/)

*Source\_Scale\_Denominator:* 500000

*Type\_of\_Source\_Media:* online

*Source\_Citation\_Abbreviation:* USGS OFR 03-067

*Source\_Contribution:* original coverage

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* Bruce R. Johnson

*Publication\_Date:* Unpublished Material

*Title:* State boundaries

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Source\_Scale\_Denominator:* 100000

*Type\_of\_Source\_Media:* online

*Source\_Citation\_Abbreviation:* US001

*Source\_Contribution:* Provided linework for state boundaries

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* Jenks, M.D.

*Originator:* Niewendorp, C.A.

*Originator:* Ferns, M.L.

*Originator:* Madin, I.P.

*Originator:* Staub, P.E.

*Originator:* Ma, Lina

*Originator:* Geitgey, R.P.

*Publication\_Date:* 2006

*Title:* Oregon Geologic Data Compilation, Version 2

*Edition:* 2

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Publication\_Information:*

*Publication\_Place:* Portland, Oregon

*Publisher:* Oregon Department of Geology and Mineral Industries

*Other\_Citation\_Details:*

Available for purchase from Nature of the Northwest, http:/www.naturenw.org ($25).

*Online\_Linkage:*

[<http://www.naturenw.org/cgi-bin/quikstore.pl?store=maps&product=001419/>](http://www.naturenw.org/cgi-bin/quikstore.pl?store=maps&product=001419/)

*Source\_Scale\_Denominator:* various

*Type\_of\_Source\_Media:* CD-ROM

*Source\_Citation\_Abbreviation:* OGDC-2

*Source\_Contribution:* Provided independent check on identity of some polygons

*Process\_Step:*

*Process\_Description:* Dataset copied from the CD-ROM.

*Process\_Date:* 2005

*Process\_Step:*

*Process\_Description:*

Adjusted the perimeter of the coverage to match a reference dataset of state boundaries derived from 1:100,000 scale digital line graphs. This allows the map to be used together with adjoining state maps referenced to the same boundary data. The state boundaries have a source of US001 in the AAT.

*Process\_Date:* 2005

*Process\_Step:*

*Process\_Description:*

Following standard items were added to AAT: ARC-CODE, ARC-PARA1, ARC-PARA2 (last two not used). ARC-CODE was populated using the line codes in the original coverage and inspection of the printed map. Original items in AAT were deleted.

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

A few arcs were added, to conform to the printed map. These were given a SOURCE of OR101.

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

Following standard items were added to PAT: ORIG\_LABEL, SGMC\_LABEL, UNIT\_LINK, SOURCE, UNIT\_AGE, ROCKTYPE1, and ROCKTYPE2. ORIG\_LABEL was populated from the original coverage item, and the other information was obtained from the accompanying database tables (ORunits, ORage, ORlith). Unneeded items were then deleted from the PAT.

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

SDL changed SGMC designation of one poly to correct a typographical error (SOURCE = OR201)

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

SDL changed the SGMC designation of a number of polys (primarily removing queries), to conform to information in the Oregon Geologic Data Compilation (OGDC-2) provided by the State of Oregon Department of Geology and Mineral Industries. This CD-ROM is available for purchase, only from Nature of the Northwest ([<http://www.naturenw.org/cgi-bin/quikstore.pl?store=maps&product=001419/>](http://www.naturenw.org/cgi-bin/quikstore.pl?store=maps&product=001419/)). These changes are identified by SOURCE = OR902.

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

SDL changed the SMGC designation of a number of polys (primarily removing queries), because the queries are no longer necessary in the context of the entire map. These changes are identified by SOURCE = OR903.

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

BCM changed the SGMC designation of a number of polygons to conform to the printed map. These changes are identified by SOURCE = OR904.

*Process\_Step:*

*Process\_Description:*

BCM changed the SGMC designation of a number of polygons to conform to information in OGDC-2. These changes are identified by SOURCE = OR905.

*Process\_Date:* 2006

*Process\_Step:*

*Process\_Description:*

BCM changed the SGMC designation of 3 polys from 'water' to 'ice' to conform to the printed map. These changes are identified by SOURCE = OR906.

*Process\_Date:* 2006

*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Complete chain

*Point\_and\_Vector\_Object\_Count:* 60857

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Label point

*Point\_and\_Vector\_Object\_Count:* 17049

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* GT-polygon composed of chains

*Point\_and\_Vector\_Object\_Count:* 17049

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* Point

*Point\_and\_Vector\_Object\_Count:* 4

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 0

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* String

*Point\_and\_Vector\_Object\_Count:* 0

*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Map\_Projection:*

*Map\_Projection\_Name:* Lambert Conformal Conic

*Lambert\_Conformal\_Conic:*

*Standard\_Parallel:* 33.000000

*Standard\_Parallel:* 45.000000

*Longitude\_of\_Central\_Meridian:* -100.000000

*Latitude\_of\_Projection\_Origin:* 0.000000

*False\_Easting:* 0.000000

*False\_Northing:* 0.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* coordinate pair

*Coordinate\_Representation:*

*Abscissa\_Resolution:* 0.002048

*Ordinate\_Resolution:* 0.002048

*Planar\_Distance\_Units:* meters

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1927

*Ellipsoid\_Name:* Clarke 1866

*Semi-major\_Axis:* 6378206.400000

*Denominator\_of\_Flattening\_Ratio:* 294.978698

*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* orgeol\_lcc.aat

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* FNODE#

*Attribute\_Definition:* Internal node number for the beginning of an arc (from-node).

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* TNODE#

*Attribute\_Definition:* Internal node number for the end of an arc (to-node).

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* LPOLY#

*Attribute\_Definition:* Internal node number for the left polygon.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* RPOLY#

*Attribute\_Definition:* Internal node number for the right polygon.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* LENGTH

*Attribute\_Definition:* Length of feature in internal units.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Positive real numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* ORGEOL\_LCC#

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* ORGEOL\_LCC-ID

*Attribute\_Definition:* User-defined feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* ARC-CODE

*Attribute\_Definition:* Code that provides geologic information about the line

*Attribute\_Definition\_Source:* AAT data dictionary - see Appendix 7 of DOCUMENTATION

*Attribute:*

*Attribute\_Label:* ARC-PARA1

*Attribute\_Definition:* not used

*Attribute:*

*Attribute\_Label:* ARC-PARA2

*Attribute\_Definition:* not used

*Attribute:*

*Attribute\_Label:* SOURCE

*Attribute\_Definition:* A code used to identify the source of the feature

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR001

*Enumerated\_Domain\_Value\_Definition:* from original coverage

*Enumerated\_Domain\_Value\_Definition\_Source:* Original coverage

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* US001

*Enumerated\_Domain\_Value\_Definition:* State and National boundary arcs

*Enumerated\_Domain\_Value\_Definition\_Source:* B.R. Johnson provided state boundary arcs

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR801

*Enumerated\_Domain\_Value\_Definition:* Added arcs

*Enumerated\_Domain\_Value\_Definition\_Source:* BCM added arcs to conform to printed map

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* orgeol\_lcc.pat

*Entity\_Type\_Definition:* polygon attribute table

*Entity\_Type\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* AREA

*Attribute\_Definition:* Area of feature in internal units squared.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Positive real numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* PERIMETER

*Attribute\_Definition:* Perimeter of feature in internal units.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Positive real numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* ORGEOL\_LCC#

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* ORGEOL\_LCC-ID

*Attribute\_Definition:* User-defined feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* ORIG\_LABEL

*Attribute\_Definition:* unmodified map unit symbol from source coverage

*Attribute\_Definition\_Source:* ORunits

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* ORunits

*Codeset\_Source:* Accompanying attribute table in OFR 2005-1305.

*Attribute:*

*Attribute\_Label:* SGMC\_LABEL

*Attribute\_Definition:*

orig\_label + ;n, where n is a province number (0 if no provinces)

*Attribute\_Definition\_Source:* ORunits

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* ORunits

*Codeset\_Source:* Accompanying attribute table in OFR 2005-1305.

*Attribute:*

*Attribute\_Label:* UNIT\_LINK

*Attribute\_Definition:*

sgmc\_label, preceded by 2-letter state abbreviation; provides a unique identifier

*Attribute\_Definition\_Source:* ORunits

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* ORunits

*Codeset\_Source:* Accompanying attribute table in OFR 2005-1305.

*Attribute:*

*Attribute\_Label:* SOURCE

*Attribute\_Definition:* a coded reference citation indicating source used

*Attribute\_Definition\_Source:* Steve Ludington

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR001

*Enumerated\_Domain\_Value\_Definition:* from original source coverage

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR901

*Enumerated\_Domain\_Value\_Definition:* SDL changed SGMC label to correct a typographical error

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR902

*Enumerated\_Domain\_Value\_Definition:*

SDL changed SGMC label in order to conform to information in OGDC-2

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR903

*Enumerated\_Domain\_Value\_Definition:*

SDL changed SGMC label because query unneeded in context of printed map

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR904

*Enumerated\_Domain\_Value\_Definition:* BCM changed SGMC label in order to conform to printed map

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR905

*Enumerated\_Domain\_Value\_Definition:*

BCM changed SGMC label in order to conform to information in OGDC-2

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* OR906

*Enumerated\_Domain\_Value\_Definition:*

BCM changed SGMC label 'water' to 'ice' to conform to printed map

*Attribute:*

*Attribute\_Label:* UNIT\_AGE

*Attribute\_Definition:* free-form field best representing geologic age of unit

*Attribute\_Definition\_Source:* ORunits

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* ORunits

*Codeset\_Source:* Accompanying attribute table in OFR 2005-1305.

*Attribute:*

*Attribute\_Label:* ROCKTYPE1

*Attribute\_Definition:* most abundant lithology in map unit

*Attribute\_Definition\_Source:* ORunits

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* ORunits

*Codeset\_Source:* Accompanying attribute table in OFR 2005-1305.

*Attribute:*

*Attribute\_Label:* ROCKTYPE2

*Attribute\_Definition:* second most abundant lithology in map unit

*Attribute\_Definition\_Source:* ORunits

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* ORunits

*Codeset\_Source:* Accompanying attribute table in OFR 2005-1305.

*Overview\_Description:*

*Entity\_and\_Attribute\_Overview:*

Coding for polygon attributes- NAME FEATURE orig\_label unmodified map unit symbol from original coverage sgmc\_label orig\_label modified for standard age symbology with an integer for region unit\_link sgmc\_label preceded by state code identifier source reference to source of the data unit\_age geologic age of map unit rocktype1 most abundant lithology rocktype2 second most abundant lithology

Coding for arc attributes- NAME FEATURE arc-code descriptor of type of line arc-para1 not used arc-para2 not used source reference to source of the data

*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* U.S. Geological Survey Information Services

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* U.S. Geological Survey, 507 National Center

*City:* Reston

*State\_or\_Province:* VA

*Postal\_Code:* 20192

*Country:* USA

*Contact\_Voice\_Telephone:* 1.800.ASK.USGS

*Contact\_Voice\_Telephone:* 703.648.5953

*Contact\_Electronic\_Mail\_Address:* [<http://www.usgs.gov/contact/>](http://www.usgs.gov/contact/)

*Resource\_Description:* U.S. Geological Survey Open-File Report OFR 2005-1305

*Distribution\_Liability:*

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards, nor with the North American Stratigraphic Code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey. Although these data have been used by the U.S. Geological Survey, and imported into appropriate software, no warranty, express or implied, is made by the U.S. Geological Survey as to how successfully or accurately the data can be imported into specific application software running on specific hardware platforms. The fact of distribution shall not constitute any such warranty, and no responsibility is assumed by the U.S. Geological Survey in connection therewith. This data is not meant to be used or displayed at scales substantially larger than 1:500,000.

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* ArcInfo Export

*Format\_Version\_Number:* 8.2

*Format\_Information\_Content:* geologic units and structural features

*Transfer\_Size:* 46659 KB

*Digital\_Transfer\_Option:*

*Online\_Option:*

*Computer\_Contact\_Information:*

*Network\_Address:*

*Network\_Resource\_Name:* [<http://pubs.usgs.gov/of/2005/1305/>](http://pubs.usgs.gov/of/2005/1305/)

*Fees:* none

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20061003

*Metadata\_Review\_Date:* 2006

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* U.S. Geological Survey

*Contact\_Person:* Steve Ludington

*Contact\_Position:* geologist

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* USGS, MS 901

*Address:* 345 Middlefield Road

*City:* Menlo Park

*State\_or\_Province:* CA

*Postal\_Code:* 94025

*Country:* USA

*Contact\_Voice\_Telephone:* 650.329.5371

*Contact\_Electronic\_Mail\_Address:* slud@usgs.gov

*Metadata\_Standard\_Name:* Content Standard for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998