

Identification_Information:

Citation:

Citation_Information:

Originator: Walker, G.W.

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

Edition: 2.0

Geospatial_Data_Presentation_Form: vector digital data

Series_Information:

Series_Name: Open-File Report

Issue_Identification: 03-67

Publication_Information:

Publication_Place: Menlo Park, California

Publisher: U.S. Geological Survey

Online_Linkage: <http://geopubs.wr.usgs.gov/open-file/of03-67/>

Description:

Abstract: This report publishes a geologic digital spatial database (OR GEO) for the geologic map of Oregon by Walker and MacLeod (1991) which was originally printed on a single sheet of paper at a scale of 1:500,000 and accompanied by a second sheet for map unit descriptions and ancillary data. The spatial digital database (GIS) provided in this report supersedes an earlier digital edition by Raines and others (1996).

Purpose: This report is one of many being created by the U.S. Geological Survey as an ongoing effort to provide geologic process and mineral resource information for use in spatial analysis in a geographic information system (GIS). This database can be queried in many ways to produce a variety of geologic maps. This database is not meant to be used or displayed at any scale larger than 1:500,000 (for example, 1:100,000).

Supplemental_Information: The digital geologic map of Oregon consists of a single coverage (OR GEO) which contains map units and lines. The feature attribute tables include a geologic linework table, OR GEO.AAT, that relates to the OR GEO.CON (contacts and boundaries), OR GEO.ST2 (structures), and OR GEO.REF (source reference) files, and a rock unit table, OR GEO.PAT, that relates to the OR GEO.RU (rock unit) and OR GEO.REF (source reference) files.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2003

Currentness_Reference: publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -125.391158
East_Bounding_Coordinate: -116.418390
North_Bounding_Coordinate: 46.355947
South_Bounding_Coordinate: 41.906947

Keywords:

Theme:

Theme_Keyword_Thesaurus: none
Theme_Keyword: geology
Theme_Keyword: geologic map
Theme_Keyword: geospatial database
Theme_Keyword: state map

Place:

Place_Keyword_Thesaurus: none
Place_Keyword: Oregon
Place_Keyword: State of Oregon
Place_Keyword: USA
Place_Keyword: Pacific Northwest

Access_Constraints: none

Use_Constraints:

This digital database is not intended to be used or displayed at any scale larger than 1:500,000.

Any hardcopies utilizing these data sets shall clearly indicate their source. If the user has modified the data in any way they are obligated to describe the types of modifications they have performed on the hardcopy map. User specifically agrees not to misrepresent these data sets, nor to imply that changes they made were approved by the U.S. Geological Survey.

This database has been approved for release and publication by the Director of the USGS. Although this database has been subjected to rigorous review and is substantially complete, the USGS reserves the right to revise the data pursuant to further analysis and review. Furthermore, it is released on condition that neither the USGS nor 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: Robert J. Miller
Contact_Organization: U.S. Geological Survey
Contact_Position: geologist
Contact_Address:
Address_Type: mailing address
Address: 345 Middlefield Road, Mail Stop 901
City: Menlo Park
State_or_Province: California

Postal_Code: 94025

Country: USA

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Data_Set_Credit:

The National Mapping Division of the U.S. Geological Survey scanned and vectorized mylar compilation sheets and converted the files to ArcInfo; Gary L. Raines and Katherine A. Connors added a data model and additional attribute data for an initial digital edition (Raines and others, 1996) of the Walker and MacLeod (1991) geologic map of Oregon.

This second digital edition, prepared by Robert J. Miller, represents further revision of Raines and others' (1996) first edition.

Native_Data_Set_Environment: Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:

Logical_Consistency_Report: Polygon and chain-node topology present. Segments making up the outer and inner boundaries of a polygon tie end-to-end to completely enclose the area. Line segments are a set of sequentially numbered coordinate pairs. No duplicate features exist nor duplicate points in a data string. Intersecting lines are separated into individual line segments at the point of intersection. All nodes are represented by a single coordinate pair, which indicates the beginning or end of a line segment.

Completeness_Report: All geologic units were captured from Walker and MacLeod (1991) at a scale of 1:500,000.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Database linework generally fits a scanned and georeferenced image of the original printed map with an error typically of 200-300 meters. The image used for comparison had a registration RMS error of 91 meters. This information is useful only in evaluating how well the digital database recreates the original printed map, but does not provide any information regarding the locational accuracy of the geologic features shown on the original printed map.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Walker, G.W.

Originator: MacLeod, N.S.

Publication_Date: 1991

Title: Geologic Map of Oregon

Geospatial_Data_Presentation_Form: map

Series_Information:

Series_Name: State Geologic Map

Issue_Identification: Geologic Map of Oregon

Publication_Information:

Publication_Place: Reston, Virginia

Publisher: U.S. Geological Survey
Source_Scale_Denominator: 500000
Type_of_Source_Media: mylar
Source_Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 1991
Source_Currentness_Reference: publication date
Source_Citation_Abbreviation: Walker and MacLeod, 1991
Source_Contribution: The map provided spatial location information in an analog format.

Source_Information:
Source_Citation:
Citation_Information:
Originator: Raines, G.L.
Originator: Sawatzky, D.L.
Originator: Connors, K.A.
Publication_Date: 1996
Title: Great Basin geoscience data base
Edition: 1.0 (although not specified as such on that publication)
Geospatial_Data_Presentation_Form: vector digital data
Series_Information:
Series_Name: Digital Data Series
Issue_Identification: DDS-41
Publication_Information:
Publication_Place: Washington, D.C.
Publisher: U.S. Geological Survey
Type_of_Source_Media: CD-ROM
Source_Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 1991
Source_Currentness_Reference: publication date of Geologic Map of Oregon by Walker and MacLeod.
Source_Citation_Abbreviation: Raines and others, 1996
Source_Contribution: The first edition (Raines and others, 1996) was used to prepare the second edition (Walker and others, 2003) of GIS for Walker and MacLeod's (1991) Geologic map of Oregon.

Process_Step:
Process_Description:
George W. Walker and Norman S. MacLeod compiled the geology on 1:400,000-scale quadrants of the 1982 version of the Oregon topographic basemap.
USGS (National Mapping Division, Thematic Map Unit) personnel digitized and reprojected the compiled geology to the 1982 1:500,000-scale state base map: this work was done on a SCITEX system. The SCITEX files were then converted to an ArcInfo format.

Process_Date: 1990-1991

Source_Produced_Citation_Abbreviation: Walker and MacLeod, 1991

Process_Step:

Process_Description:

Proof plots were made from the digital files and reviewed by various geologists familiar with Oregon geology. A few misidentified polygons were found and the labels corrected. A data model was added and additional attributes coded.

During the initial digitization process, lines representing faults had been captured in a file separate from the geology unit polygons. A USGS contractor edited the fault linework to connect dotted and dashed fault segments into continuous lines. Fault type as well as dropdown direction were added as attributes.

Source_Used_Citation_Abbreviation: Walker and MacLeod, 1991

Process_Date: 1993-1996

Source_Produced_Citation_Abbreviation: Raines and others, 1996

Process_Step:

Process_Description:

For this second edition of the spatial database, the geologic unit and fault coverages were merged to produce a single topology.

Faults forming geologic unit boundaries (contacts) occurred twice in the Raines and others (1996) dataset, once in the fault coverage (coded as a fault) and a second time in the geology coverage (coded as a "contact").

During the process of topologically combining the two coverages, if a fault and a contact were coincident (+/- approx. 300 meters), the contact was eliminated and the remaining line retained the attribute coding inherited from the fault coverage.

The topological combination of geology and fault cover was accomplished as follows:

- 1) A buffer of fault lines was built with a buffer distance of 300 meters.
- 2) The buffer was intersected with the geology coverage, thus creating nodes at the approximate ends of sections of arc in the geology coverage that are duplicated by faults.
- 3) The faults were buffered again, this time at 325 meters. This buffer coverage was used to select the duplicate sections of arcs created in step 2. The selected arcs were deleted.
- 4) The fault arcs were imported into the geology coverage. Dangling contacts in the coverage were extended to intersect the imported faults. Extensive proofing and editing was required to insure that the geologic unit polygons closed properly against the introduced fault arcs.

The entire ORGEO coverage was rubbersheeted to improve the fit with a georeferenced image of the basemap. The error in registration of the Raines and others (1996) dataset was typically 200-500 meters in the western part, but reached a maximum of 800-900 meters in the eastern third of the map sheet. After adjustment, the registration of the dataset generally is within 200-400 meters. The adjustment was accomplished by defining approximately 200 adjustment links throughout the map area, then interpolating between those links to form a uniform distribution of approximately 10,000 links across

the map. The high density of links provided a smooth transition in both direction and magnitude of adjustment from one area of the map to another.

In order allow the dataset to be combined with map databases for adjacent states, modifications were made to database linework near the perimeter of the map area:

- 1) the map was cropped on the north along the Washington state boundary (generally following the center of the Columbia River).
- 2) the eastern and southern boundaries were replaced by state boundaries derived from USGS 1:100,000-scale Digital Line Graph (DLG) files.

Staff at the Oregon Department of Geology and Mineral Industries reviewed the resultant geologic map database and identified thirty-one incorrectly labeled polygons. R.J. Miller then incorporated the revisions into the GIS.

Source_Used_Citation_Abbreviation: Raines and others, 1996

Process_Date: 2000-2003

Source_Produced_Citation_Abbreviation: Walker and others, 2003

Process_Step:

Process_Description: Pamela D. Derkey ran mp 2.8.18 (<http://geo-nsdi.er.usgs.gov/validate.php>) on the metadata file, made necessary corrections to the metadata, and imported the metadata into the ORGEO coverage.

Process_Date: 20050105

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: 62104

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Label point

Point_and_Vector_Object_Count: 17365

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 17364

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Node, planar graph

Point_and_Vector_Object_Count: 49852

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 4

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: -120.500000
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: 0.004511
Ordinate_Resolution: 0.004511
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: ORGEO.AAT
Entity_Type_Definition:
Arc Attribute Table
ESRI feature attribute table for linear features (contacts, faults, and folds)
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: 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: ORGEO#

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: ORGEO-ID

Attribute_Definition: User-defined feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Non-sequential, non-unique whole numbers that were generated during the GIS creation and editing process by R.J. Miller.

Attribute:

Attribute_Label: LINECODE

Attribute_Definition: Numeric code used to identify type of linear feature.

Attribute_Domain_Values:

Unrepresentable_Domain:

Linecodes > 0 and < 100 are used for contacts and boundaries which are described in the ORGEO.CON file.

Linecodes > 100 and < 600 represent structural features which are described in the ORGEO.ST2 file.

Attribute:

Attribute_Label: NAME

Attribute_Definition: Name of fault

Attribute_Domain_Values:

Unrepresentable_Domain: This item does not contain any information, because fault names were not given in Walker and MacLeod (1991).

Attribute:

Attribute_Label: SOURCE_ID

Attribute_Definition: Numeric code used to identify the data source for the linear feature.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: U.S. Geological Survey, 1993

Enumerated_Domain:

Enumerated_Domain_Value: 41

Enumerated_Domain_Value_Definition: Walker and MacLeod, 1991

Unrepresentable_Domain: Complete references for the sources are listed in the ORGEO.REF look-up table.

Attribute:

Attribute_Label: SPATIAL_OBJ_ID

Attribute_Definition: Non-unique numeric identifier for each object in the ORGEO feature attribute tables (ORGEO.AAT and ORGEO.PAT). (This integer is NOT duplicated in the ORGEO.PAT feature attribute table.)

Attribute_Domain_Values:

Unrepresentable_Domain: Values range from a low of 20200041 to a high of 410230365.

Attribute:

Attribute_Label: FAULT_CONT

Attribute_Definition: Indicates if fault constitutes a contact between rock units

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: yes

Enumerated_Domain_Value_Definition: fault IS a contact between rock units

Enumerated_Domain:

Enumerated_Domain_Value: no

Enumerated_Domain_Value_Definition: fault is NOT a contact between rock units

Enumerated_Domain:

Enumerated_Domain_Value: (no entry)

Enumerated_Domain_Value_Definition: The feature is NOT a fault.

Attribute:

Attribute_Label: DWNTHRWN

Attribute_Definition: Indicates the sense of movement on the fault.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: e

Enumerated_Domain_Value_Definition: East side of fault is downdropped with respect to the west side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: n
Enumerated_Domain_Value_Definition: North side of fault is downdropped with respect to the south side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: ne
Enumerated_Domain_Value_Definition: Northeast side of fault is downdropped with respect to the southwest side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: nw
Enumerated_Domain_Value_Definition: Northwest side of fault is downdropped with respect to the southeast side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: s
Enumerated_Domain_Value_Definition: South side of fault is downdropped with respect to the north side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: se
Enumerated_Domain_Value_Definition: Southeast side of fault is downdropped with respect to the northwest side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: sw
Enumerated_Domain_Value_Definition: Southwest side of fault is downdropped with respect to the northeast side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: w
Enumerated_Domain_Value_Definition: West side of fault is downdropped with respect to the east side of the fault.

Enumerated_Domain:
Enumerated_Domain_Value: (no entry)
Enumerated_Domain_Value_Definition: no movement was observed

Unrepresentable_Domain:
The side indicated by the compass direction (e, n, ne, nw, s, se, sw, or w) is downdropped.

No value indicates that movement EITHER did not occur OR was not recorded.

Detailed_Description:

Entity_Type:
Entity_Type_Label: ORGEO.PAT
Entity_Type_Definition:
Polygon Attribute Table: map units
ESRI feature attribute table for rock units
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: ORGEO#

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: ORGEO-ID

Attribute_Definition: User-defined feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Non-sequential unique whole numbers that were generated during the GIS creation and editing process by R.J. Miller.

Attribute:

Attribute_Label: MAP_UNIT

Attribute_Definition: Map unit designation (rock unit label) as it appeared on the printed Walker and MacLeod (1991) map.

Attribute_Domain_Values:

Unrepresentable_Domain: Map unit is described in the ORGEO.RU look-up table.

Attribute:

Attribute_Label: UNIT

Attribute_Definition: Numeric code used to identify rock unit.

Attribute_Domain_Values:

Unrepresentable_Domain: Attributes and attribute definitions are given in the ORGEO.RU look-up table.

Attribute:

Attribute_Label: SOURCE_ID

Attribute_Definition: Numeric code used to identify the data source for the rock unit.

Attribute_Domain_Values:

Unrepresentable_Domain: Complete references for the sources are listed in the ORGEO.REF look-up table.

Attribute:

Attribute_Label: SPATIAL_OBJ_ID

Attribute_Definition: Unique numeric identifier for each object in the ORGEO feature attribute tables (ORGEO.AAT and ORGEO.PAT). (This integer is NOT duplicated in the ORGEO.AAT feature attribute table.)

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 410100001

Range_Domain_Maximum: 410117371

Detailed_Description:

Entity_Type:

Entity_Type_Label: orgeo.nat

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: ARC#

Attribute:

Attribute_Label: ORGEO#

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: ORGEO-ID

Attribute_Definition: User-defined feature number.

Attribute_Definition_Source: ESRI

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U.S. Geological Survey

Contact_Person: Robert J. Miller

Contact_Position: geologist

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State_or_Province: CA

Postal_Code: 94025

Country: USA

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Contact_Instructions:

This report is only available in electronic format at

URL = <http://geopubs.wr.usgs.gov/open-file/of03-67/>

OR via a link from

URL = http://geopubs.wr.usgs.gov/docs/wrgis/state_geol_maps.html

OR via anonymous FTP from

geopubs.wr.usgs.gov, in the directory pub/open-file/of03-67

Resource_Description: Downloadable data (orgeo.e00) for USGS Open-File Report 03-67

Distribution_Liability:

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This digital map dataset of the Geologic map of Oregon, is not meant to be used or displayed at any scale larger than 1:500,000 (for example, 1:100,000 or 1:24,000).

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: ARCE - ArcInfo export format

Transfer_Size: 20.699

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name: <http://geopubs.wr.usgs.gov/open-file/of03-67/>

Network_Resource_Name:

http://geopubs.wr.usgs.gov/docs/wrgis/state_geol_maps.html

Fees: free

Metadata_Reference_Information:

Metadata_Date: 20050105

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Robert Miller

Contact_Organization: U.S. Geological Survey.

Contact_Position: geologist

Contact_Address:

Address_Type: mailing address

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City: Menlo Park

State_or_Province: CA

Postal_Code: 94025

Country: USA

Contact_Voice_Telephone: (650) 329-5407

Contact_Electronic_Mail_Address: rjmiller@usgs.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Access_Constraints: none

Metadata_Use_Constraints: none

Metadata_Extensions:

Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile_Name: ESRI Metadata Profile

Metadata_Extensions:

Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile_Name: ESRI Metadata Profile