PatMtns_GeoUnits

File Geodatabase Feature Class

Tags

geologic map, spatial databases, GIS, Patagonia Mountains, Santa Cruz County, Arizona

Summary

Spatial database for geologic map units.

Description

Feature class (polygons) for geologic map units for use with the digital data for the Geologic Map of the Patagonia Mountains, Santa Cruz County, Arizona.

Credits

Frederick Graybeal and Peter Vikre mapped and compiled the geology. Lorre Moyer digitized the original map data into a geographic information system (GIS); Pamela Dunlap revised the spatial databases based upon the technical reviews; John Wallis made further revisions based upon various topological criteria; and Pamela Dunlap wrote the metadata.

Use limitations

There are no access and use limitations for this item.

Extent

West	-110.829069	**East**	-110.646138
North	31.531318	**South**	31.332999

Scale Range

Maximum (zoomed in)	1:50,000
Minimum (zoomed out)	1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

* TITLE PatMtns_GeoUnits
ALTERNATE TITLES Geologic map units
CREATION DATE 2014-11-14 00:00:00
PUBLICATION DATE 2015-02-02 00:00:00

PRESENTATION FORMATS * digital map
FGDC GEOSPATIAL PRESENTATION FORMAT map

SERIES
NAME Open-File Report
ISSUE 2015-1023

COLLECTION TITLE Geologic map of the Patagonia Mountains, Santa Cruz County, Arizona

OTHER CITATION DETAILS
Graybeal, F.T., Moyer, L.A., Vikre, P.G., Dunlap, Pamela, and Wallis, J.C., Geologic map of the Patagonia Mountains, Santa Cruz County, Arizona: U.S. Geological Survey Open-File Report 2015–1023, pamphlet 10 p., and digital data, scale 1:48,000, http://dx.doi.org/10.3133/ofr20151023.

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
INDIVIDUAL'S NAME Peter G. Vikre
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S POSITION Research geologist
CONTACT'S ROLE originator

CONTACT INFORMATION ►
PHONE
VOICE 1-775-784-5597

ADDRESS
TYPE postal
DELIVERY POINT 1664 N Virginia Street, 176
CITY Reno
ADMINISTRATIVE AREA Nevada
POSTAL CODE 89557-0047
COUNTRY US
DELIVERY POINT USGS Geology, Minerals, Energy and Geophysics Science Center
DELIVERY POINT Mackay School of Earth Sciences and Engineering
DELIVERY POINT University of Nevada, Reno
E-MAIL ADDRESS pvikre@usgs.gov

Hide Contact information ▲

RESPONSIBLE PARTY
INDIVIDUAL'S NAME Frederick T. Graybeal
ORGANIZATION'S NAME Exploration Management LLC
CONTACT'S POSITION President
CONTACT'S ROLE author

CONTACT INFORMATION ►

ADDRESS
TYPE both
DELIVERY POINT 37 Wynwood Road
CITY Chatham
ADMINISTRATIVE AREA New Jersey
POSTAL CODE 07928
COUNTRY US
E-MAIL ADDRESS FTGraybeal@aol.com

Hide Contact information ▲

RESPONSIBLE PARTY
INDIVIDUAL'S NAME Lorre A. Moyer
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S POSITION Retired
CONTACT'S ROLE author

RESPONSIBLE PARTY
INDIVIDUAL'S NAME Pamela Dunlap
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S POSITION Geologist
CONTACT'S ROLE author

CONTACT INFORMATION ▶
PHONE
VOICE 1-520-670-5573

ADDRESS
TYPE postal
DELIVERY POINT 520 N Park Ave., Ste. 355
CITY Tucson
ADMINISTRATIVE AREA Arizona
POSTAL CODE 85719
COUNTRY US
E-MAIL ADDRESS pdunlap@usgs.gov

Hide Contact information ▲

RESPONSIBLE PARTY
INDIVIDUAL'S NAME John C. Wallis
ORGANIZATION'S NAME Serrano IT Services
CONTACT'S POSITION GIS Specialist
CONTACT'S ROLE author

CONTACT INFORMATION ▶
PHONE
VOICE (509) 368-3108

ADDRESS
TYPE physical
DELIVERY POINT 904 W Riverside Avenue
CITY Spokane
ADMINISTRATIVE AREA Washington
POSTAL CODE 99201
COUNTRY US
E-MAIL ADDRESS jwalllis@usgs.gov

Hide Contact information ▲

Hide Citation Contacts ▲

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.2.3552

CREDITS

Frederick Graybeal and Peter Vikre mapped and compiled the geology. Lorre Moyer digitized the original map data into a geographic information system (GIS); Pamela Dunlap revised the spatial databases based upon the technical reviews; John Wallis made further revisions based upon various topological criteria; and Pamela Dunlap wrote the metadata.

ARCGIS ITEM PROPERTIES

* NAME PatMtns_GeoUnits
* LOCATION file: \GIS_PatagoniaMtns\PatagoniaMtns.gdb

Hide Resource Details ▲

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -110.829069
* EAST LONGITUDE -110.646138
* NORTH LATITUDE 31.531318
* SOUTH LATITUDE 31.332999
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 516261.370900
* EAST LONGITUDE 533593.971500
* SOUTH LATITUDE 3466376.180300
* NORTH LATITUDE 3488314.578100
* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1927
* PROJECTION NAD_1927_UTM_Zone_12N
* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 26712
X ORIGIN -5121000
Y ORIGIN -9998000
XY SCALE 10000
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 26712
WELL-KNOWN TEXT PROJCS["NAD_1927_UTM_Zone_12N",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]],PROJECTION["Transverse_Mercator"],PARAMETER ["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER ["Central_Meridian",-111.0],PARAMETER["Scale_Factor",0.9996],PARAMETER ["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26712]]

REFERENCE SYSTEM IDENTIFIER
* VALUE 26712
* CODESPACE EPSG
* VERSION 8.2.6

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME PatMtns_GeoUnits
* OBJECT TYPE composite
* OBJECT COUNT 795

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME PatMtns_GeoUnits
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 795
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Data Quality ►

SCOPE OF QUALITY INFORMATION ►
RESOURCE LEVEL dataset

Hide Scope of quality information ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►
DIMENSION horizontal

MEASURE DESCRIPTION
Linear features for contacts (PatMtns_GeoLines) coincide with edges of polygonal features for map units.

Hide Data quality report - Conceptual consistency ▲

Hide Data Quality ▲

Lineage ►

LINEAGE STATEMENT
Frederick Graybeal and Peter Vikre compiled and mapped the geology.

SOURCE DATA ►
DESCRIPTION
Drewes, Harald, 1971, Geologic map of the Mount Wrightson quadrangle, southeast of Tucson, Santa Cruz and Pima Counties, Arizona: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-614, scale 1:48,000. (Also available at http://pubs.er.usgs.gov/publication/i614 and at http://ngmdb.usgs.gov/Prodesc/proddesc_9405.htm.)

SOURCE MEDIUM NAME hardcopy—printing on paper
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 48000

Hide Source data ▲

SOURCE DATA ►
DESCRIPTION
Drewes, Harald, 1980, Tectonic map of southeast Arizona: U.S. Geological Survey Miscellaneous Investigations Series Map I-1109, 2 sheets, scale 1:125,000, AND Drewes, Harald, Fields, R.A., Hirschberg, D.M., and Bolm, K.S., 2002, Spatial digital database for the tectonic map of southeast Arizona, ver. 2.0: U.S. Geological Survey Miscellaneous Investigations Series Map I-1109, 38 p., 2 sheets, scale 1:125,000, and digital data, accessed June 11, 2012, at http://pubs.usgs.gov/imap/i1109/.

SOURCE MEDIUM NAME online link
RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 125000

Hide Source data ▲

SOURCE DATA ▶

DESCRIPTION

Quinlan, J.L., 1986, Geology and silicate-alteration zoning at the Red Mountain porphyry copper deposit, Santa Cruz County, Arizona: Arizona Geological Society Digest, v. 16, p. 294–305.

SOURCE MEDIUM NAME hardcopy—printing on paper

Hide Source data ▲

SOURCE DATA ▶

DESCRIPTION

Schrader, F.C., 1915, Mineral deposits of the Santa Rita and Patagonia Mountains, Arizona, with contributions by James M. Hill: U.S. Geological Survey Bulletin 582, 373 p. (Also available at http://pubs.er.usgs.gov/publication/b582.)

SOURCE MEDIUM NAME hardcopy—printing on paper

Hide Source data ▲

SOURCE DATA ▶

DESCRIPTION

Simons, F.S., 1974, Geologic map and sections of the Nogales and Lochiel quadrangles, Santa Cruz County, Arizona: U.S. Geological Survey Miscellaneous Investigations Series Map I-762, scale 1:48,000, and pamphlet, 9 p. (Map also available at http://ngmdb.usgs.gov/Prodesc/proddesc_9516.htm.)

SOURCE MEDIUM NAME hardcopy—printing on paper

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 48000

Hide Source data ▲

SOURCE DATA ▶

DESCRIPTION

D.L.E. Huckins (unpub. data, 1975, in Quinlan, 1986)

SOURCE MEDIUM NAME hardcopy—printing on paper

Hide Source data ▲

SOURCE DATA ▶

DESCRIPTION

F.T. Graybeal (unpub. data, 1973)

SOURCE MEDIUM NAME hardcopy—printing on paper

Hide Source data ▲

Hide Lineage ▲

Distribution ►

DISTRIBUTOR ►
CONTACT INFORMATION
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S ROLE distributor

CONTACT INFORMATION ►
PHONE
VOICE 1-888-275-8747
VOICE 1-888-ASK-USGS

ADDRESS
TYPE postal
DELIVERY POINT Denver Federal Center, P.O. Box 25286
CITY Denver
ADMINISTRATIVE AREA Colorado
POSTAL CODE 80225
COUNTRY US
E-MAIL ADDRESS infoservices@usgs.gov

Hide Contact information ▲

Hide Distributor ▲

DISTRIBUTION FORMAT
VERSION ArcGIS 10
SPECIFICATION GIS_PatagoniaMtns.zip
FILE DECOMPRESSION TECHNIQUE Double-click on the ZIP archive listed in My Computer or Windows Explorer, drag and drop the archive onto WINZIP, OR use the standard Open dialogue box.
FORMAT INFORMATION CONTENT PatagoniaMtns.gdb and associated metadata
* NAME File Geodatabase Feature Class

TRANSFER OPTIONS
UNITS OF DISTRIBUTION Mb, megabytes
TRANSFER SIZE 9

ONLINE SOURCE
LOCATION http://dx.doi.org/10.3133/ofr20151023
FUNCTION PERFORMED download

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT PatMtns_GeoUnits ►
* TYPE Feature Class
* ROW COUNT 795
DEFINITION
Geologic map units

FIELD OBJECTID ►

* ALIAS OBJECTID
* 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 OBJECTID ▲

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.

Hide Field SHAPE ▲

FIELD Symbol ►

* ALIAS Symbol
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Unique label for geologic map unit, using alpha characters

DESCRIPTION SOURCE
Report text

LIST OF VALUES
VALUE Ca
DESCRIPTION Abrigo Limestone

VALUE Cb
DESCRIPTION Bolsa Quartzite

VALUE cg
DESCRIPTION Limestone conglomerate, in volcanic rocks (unit JTRv)

VALUE Dm
DESCRIPTION Martin Limestone

VALUE ha
DESCRIPTION Hornblende andesite dike and (or) plug, in volcanic rocks (unit JTRv)

VALUE Jcg
DESCRIPTION Equigranular granite, in granite of Cumero Canyon

VALUE Jcgb
DESCRIPTION Breccia, in equigranular granite (unit Jcg) of granite of Cumero Canyon

VALUE Jcm
DESCRIPTION Porphyritic granite, in granite of Cumero Canyon

VALUE Jcs
DESCRIPTION Equigranular alkali syenite, in granite of Cumero Canyon

VALUE Jcsb
DESCRIPTION Breccia, in equigranular alkalik syenite (unit Jcs) of granite of Cumero Canyon

VALUE Jhm
DESCRIPTION Hornblende monzonite of European Canyon

VALUE Jtg
DESCRIPTION Granite of Three R Canyon, in granite of Cumero Canyon

VALUE Jtgb
DESCRIPTION Breccia, in granite of Three R Canyon (unit Jtg) of granite of Cumero Canyon

VALUE JTRv
DESCRIPTION Volcanic rocks, in silicic volcanic rocks

VALUE JTRvs
DESCRIPTION Volcanic and sedimentary rocks, in silicic volcanic rocks

VALUE Ka
DESCRIPTION Trachyandesite

VALUE Kb
DESCRIPTION Bisbee Formation

VALUE Kbc
DESCRIPTION Conglomerate, in Bisbee Formation (unit Kb)

VALUE Kl
DESCRIPTION Biotite quartz latite(?)

VALUE Km
DESCRIPTION Pyroxene monzonite

VALUE Kpg

DESCRIPTION Porphyritic biotite granodiorite

VALUE Kv
DESCRIPTION Silicic volcanics

VALUE la
DESCRIPTION Biotite latite(?), in silcicic volcanics (unit Kv)

VALUE lp
DESCRIPTION Latite(?) porphyry, in volcanic rocks (unit JTRv)

VALUE ls
DESCRIPTION Exotic blocks of upper Paleozoic limestone, in volcanic rocks (unit JTRv)

VALUE Me
DESCRIPTION Escabrosa Limestone

VALUE pCd
DESCRIPTION Hornblende diorite

VALUE pCh
DESCRIPTION Hornblende-rich metamorphic and igneous rocks

VALUE pCm
DESCRIPTION Biotite quartz monzonite

VALUE Pc
DESCRIPTION Colina Limestone

VALUE Pcn
DESCRIPTION Concha Limestone

VALUE pCq
DESCRIPTION Biotite or biotite-hornblende quartz monzonite

VALUE Pe
DESCRIPTION Epitaph Dolomite

VALUE Ph
DESCRIPTION Horquilla Limestone

VALUE PPe
DESCRIPTION Earp Formation

VALUE Ps
DESCRIPTION Scherrer Formation

VALUE q
DESCRIPTION Quartzite, in Mount Wrightson Formation (unit TRm)

VALUE Qal
DESCRIPTION Younger alluvium and talus

VALUE QTal
DESCRIPTION Older alluvium

VALUE QTg
DESCRIPTION Gravel and conglomerate

VALUE qz
DESCRIPTION Quartzite, in volcanic rocks (JTRv)

VALUE r
DESCRIPTION Rhyolite or latite, in trachyandesite (unit Ka)

VALUE s
DESCRIPTION Sedimentary rocks, in volcanic rocks (unit JTRv)

VALUE t
DESCRIPTION Coarse volcaniclastic beds, in Mount Wrightson Formation (unit TRm)

VALUE Tag
DESCRIPTION Biotite augite quartz diorite, in granodiorite of the Patagonia Mountains

VALUE Tbg
DESCRIPTION Biotite granodiorite, in granodiorite of the Patagonia Mountains

VALUE Tbq
DESCRIPTION Biotite quartz monzonite, in granodiorite of the Patagonia Mountains

VALUE Tbqb
DESCRIPTION Breccia, in biotite quartz monzonite (unit Tbq) of granodiorite of the Patagonia Mountains

VALUE Tg
DESCRIPTION Granodiorite, in granodiorite of the Patagonia Mountains

VALUE Tgb
DESCRIPTION Breccia, in granodiorite (unit Tg) of granodiorite of the Patagonia Mountains

VALUE Tib
DESCRIPTION Intrusive breccia of middle Alum Gulch

VALUE Tibx
DESCRIPTION Intrusion breccia, in granodiorite of the Patagonia Mountains

VALUE TKggt
DESCRIPTION Gringo Gulch Volcanics

VALUE TKr
DESCRIPTION Rhyolite of Red Mountain

VALUE Tl
DESCRIPTION Limestone

VALUE Tlp
DESCRIPTION Latite porphyry, in granodiorite of the Patagonia Mountains

VALUE Tmp
DESCRIPTION Quartz monzonite porphyry of Red Mountain

VALUE Tqmp
DESCRIPTION Quartz monzonite porphyry, in granodiorite of the Patagonia Mountains

VALUE Tqmpb
DESCRIPTION Breccia, in quartz monzonite porphyry (unit Tqmp) of granodiorite of the

Patagonia Mountains

VALUE Tqp
DESCRIPTION Quartz feldspar porphyry of middle Alum Gulch

VALUE Tqpx
DESCRIPTION Xenolithic quartz feldspar porphyry of middle Alum Gulch

VALUE TRm
DESCRIPTION Mount Wrightson Formation

VALUE TRms
DESCRIPTION Sedimentary rocks, mostly arkose, in the Mount Wrightson Formation (unit TRm)

VALUE Tsy
DESCRIPTION Syenodiorite or mangerite, in granodiorite of the Patagonia Mountains

VALUE Tt
DESCRIPTION Biotite rhyolite tuff

VALUE Tv
DESCRIPTION Volcaniclastic rocks of middle Alum Gulch

VALUE w
DESCRIPTION Rhyolitic welded(?) tuff, in volcanic rocks (unit JTRv)

Hide Field Symbol ▲

FIELD Anno ►
* ALIAS Anno
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Geologic map unit label, using GeoAge font

DESCRIPTION SOURCE
Report text

LIST OF VALUES
VALUE <FNT name="GeoAge">_</FNT>a
DESCRIPTION Abrigo Limestone

VALUE <FNT name="GeoAge">_</FNT>b
DESCRIPTION Bolsa Quartzite

VALUE cg
DESCRIPTION Limestone conglomerate, in volcanic rocks (unit JTRv)

VALUE Dm
DESCRIPTION Martin Limestone

VALUE ha
DESCRIPTION Hornblende andesite dike and (or) plug, in volcanic rocks (unit JTRv)

VALUE Jcg
DESCRIPTION Equigranular granite, in granite of Cumero Canyon

VALUE Jcm
DESCRIPTION Porphyritic granite, in granite of Cumero Canyon

VALUE Jcs
DESCRIPTION Equigranular alkali syenite, in granite of Cumero Canyon

VALUE Jhm
DESCRIPTION Hornblende monzonite of European Canyon

VALUE Jtg
DESCRIPTION Granite of Three R Canyon, in granite of Cumero Canyon

VALUE J<FNT name="GeoAge">^</FNT>v
DESCRIPTION Volcanic rocks, in silicic volcanic rocks

VALUE J<FNT name="GeoAge">^</FNT>vs
DESCRIPTION Volcanic and sedimentary rocks, in silicic volcanic rocks

VALUE Ka
DESCRIPTION Trachyandesite

VALUE Kb
DESCRIPTION Bisbee Formation

VALUE cg
DESCRIPTION Conglomerate, in Bisbee Formation (unit Kb)

VALUE Kl
DESCRIPTION Biotite quartz latite(?)

VALUE Km
DESCRIPTION Pyroxene monzonite

VALUE Kpg
DESCRIPTION Porphyritic biotite granodiorite

VALUE Kv
DESCRIPTION Silicic volcanics

VALUE la
DESCRIPTION Biotite latite(?), in silcicic volcanics (unit Kv)

VALUE lp
DESCRIPTION Latite(?) porphyry, in volcanic rocks (unit JTRv)

VALUE ls
DESCRIPTION Exotic blocks of upper Paleozoic limestone, in volcanic rocks (unit JTRv)

VALUE Me
DESCRIPTION Escabrosa Limestone

VALUE p<FNT name="GeoAge">_</FNT>d
DESCRIPTION Hornblende diorite

VALUE p<FNT name="GeoAge">_</FNT>h

DESCRIPTION Hornblende-rich metamorphic and igneous rocks

VALUE p<FNT name="GeoAge">_</FNT>m
DESCRIPTION Biotite quartz monzonite

VALUE Pc
DESCRIPTION Colina Limestone

VALUE Pcn
DESCRIPTION Concha Limestone

VALUE p<FNT name="GeoAge">_</FNT>q
DESCRIPTION Biotite or biotite-hornblende quartz monzonite

VALUE Pe
DESCRIPTION Epitaph Dolomite

VALUE <FNT name="GeoAge">*</FNT>h
DESCRIPTION Horquilla Limestone

VALUE P<FNT name="GeoAge">*</FNT>e
DESCRIPTION Earp Formation

VALUE Ps
DESCRIPTION Scherrer Formation

VALUE q
DESCRIPTION Quartzite, in Mount Wrightson Formation (unit TRm)

VALUE Qal
DESCRIPTION Younger alluvium and talus

VALUE QTal
DESCRIPTION Older alluvium

VALUE QTg
DESCRIPTION Gravel and conglomerate

VALUE q
DESCRIPTION Quartzite, in volcanic rocks (unit JTRv)

VALUE r
DESCRIPTION Rhyolite or latite, in trachyandesite (unit Ka)

VALUE s
DESCRIPTION Sedimentary rocks, in volcanic rocks (unit JTRv)

VALUE t
DESCRIPTION Coarse volcaniclastic beds, in Mount Wrightson Formation (unit TRm)

VALUE Tag
DESCRIPTION Biotite augite quartz diorite, in granodiorite of the Patagonia Mountains

VALUE Tbg
DESCRIPTION Biotite granodiorite, in granodiorite of the Patagonia Mountains

VALUE Tbq
DESCRIPTION Biotite quartz monzonite, in granodiorite of the Patagonia Mountains

VALUE Tg
DESCRIPTION Granodiorite, in granodiorite of the Patagonia Mountains

VALUE Tib
DESCRIPTION Intrusive breccia of middle Alum Gulch

VALUE Tibx
DESCRIPTION Intrusion breccia, in granodiorite of the Patagonia Mountains

VALUE TKggt
DESCRIPTION Gringo Gulch Volcanics

VALUE TKr
DESCRIPTION Rhyolite of Red Mountain

VALUE Tl
DESCRIPTION Limestone

VALUE Tlp
DESCRIPTION Latite porphyry, in granodiorite of the Patagonia Mountains

VALUE Tmp
DESCRIPTION Quartz monzonite porphyry of Red Mountain

VALUE Tqmp
DESCRIPTION Quartz monzonite porphyry, in granodiorite of the Patagonia Mountains

VALUE Tqp
DESCRIPTION Quartz feldspar porphyry of middle Alum Gulch

VALUE Tqpx
DESCRIPTION Xenolithic quartz feldspar porphyry of middle Alum Gulch

VALUE <FNT name="GeoAge">^</FNT>m
DESCRIPTION Mount Wrightson Formation

VALUE <FNT name="GeoAge">^</FNT>ms
DESCRIPTION Sedimentary rocks, mostly arkose, in the Mount Wrightson Formation (unit TRm)

VALUE Tsy
DESCRIPTION Syenodiorite or mangerite, in granodiorite of the Patagonia Mountains

VALUE Tt
DESCRIPTION Biotite rhyolite tuff

VALUE Tv
DESCRIPTION Volcaniclastic rocks of middle Alum Gulch

VALUE w
DESCRIPTION Rhyolitic welded(?) tuff, in volcanic rocks (unit JTRv)

VALUE NULL
DESCRIPTION Null entry indicates breccia; no label to be used on map, rather, extent is represented by a breccia pattern on map.

Hide Field Anno ▲

FIELD Unit_name ►
* ALIAS Unit name
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Map unit name

DESCRIPTION SOURCE
Report text

Hide Field Unit_name ▲

FIELD Unit_age ►
* ALIAS Unit age
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Geologic age of map unit

Hide Field Unit_age ▲

FIELD Unit_eon ►
* ALIAS Eon
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Geologic age, by eon

Hide Field Unit_eon ▲

FIELD Unit_era ►
* ALIAS Era
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Geologic age, by era

LIST OF VALUES
VALUE NULL
DESCRIPTION Null entry indicates era unknown.

Hide Field Unit_era ▲

FIELD Unit_per ►
* ALIAS Period

* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Geologic age, by period

LIST OF VALUES

VALUE NULL

DESCRIPTION Null entry indicates period unknown.

Hide Field Unit_per ▲

FIELD Unit_epoch ►

* ALIAS Epoch
* DATA TYPE String
* WIDTH 100
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Geologic age, by epoch

LIST OF VALUES

VALUE NULL

DESCRIPTION Null entry indicates epoch unknown.

Hide Field Unit_epoch ▲

FIELD Full_descr ►

* ALIAS Full description
* DATA TYPE String
* WIDTH 2000
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Full description of geologic map unit

DESCRIPTION SOURCE

See accompanying pamphlet

Hide Field Full_descr ▲

FIELD Shape_Length ►

* ALIAS Shape_Length
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION

Length of feature in internal units.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

Hide Field Shape_Length ▲

FIELD Shape_Area ►
* ALIAS Shape_Area
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Area of feature in internal units squared.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

Hide Details for object PatMtns_GeoUnits ▲

Hide Fields ▲

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)

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

* LAST UPDATE 2015-02-02

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 2014-10-28 14:08:20
LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-02-02 13:36:36

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2015-02-02 13:36:36

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT
INDIVIDUAL'S NAME Pamela Dunlap
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S POSITION Geologist
CONTACT'S ROLE author

CONTACT INFORMATION ►
PHONE
VOICE 1-520-670-5573

ADDRESS
TYPE postal
DELIVERY POINT 520 N Park Ave., Ste. 355
CITY Tucson
ADMINISTRATIVE AREA Arizona
POSTAL CODE 85719
COUNTRY US
E-MAIL ADDRESS pdunlap@usgs.gov

Hide Contact information ▲

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼