

Geologic Survey Map



Tags

Geology, Geologic Map, Mineral

Summary

A primary goal of this work is to develop geologic map datasets with standardized structure and attribution. The database design and standards are documented in Chapter A of this series. The intent is that contiguous databases can be merged seamlessly and without any additional effort. In addition to a common database structure, the conterminous U.S. state databases (the contiguous 48 states) have been fitted to a set of standard state boundaries so that, when states are merged, they match without slivers or overlap. No attempt has been made to reconcile differences in mapping across state boundaries.

Description

The open-file report presents the results of the USGS Mineral Resources Program activity to compile a national-scale geologic map database to support national and regional level projects, including mineral resource and geo- environmental assessments. The only comprehensive sources of regional- and national-scale geologic maps are state geologic maps with scales ranging from 1:100,000 to 1:1,000,000. Digital versions of these state maps form the core of what is presented here. Because no adequate geologic map exists for the state of Alaska, it is being compiled in regional blocks that also form part of this national database. It is expected that this series will be completed by approximately the end of 2007. These maps and databases are being released in blocks of states or, in the case of Alaska, as compiled blocks of 1:250,000-scale quadrangles as chapters in this series. For Alaska, formal maps as well as databases are being published here, whereas for the conterminous U.S. only state databases and preview graphics are presented, because published maps for most states already exist. For Alaska these regional compilations will form the base for compiling a new geologic map of the state. As documented in Chapter A, standards for the conterminous U.S. are somewhat different than those for Alaska and Hawaii.

Credits

State Geologic Map Compilation (SGMC) activity of the National Surveys and Analysis projects of the US Geological Survey Mineral Resources Program.

Use limitations

This database is not meant to be used or displayed at any scale other than 1:500,000. Any hardcopies utilizing these data sets shall clearly indicate their source. If the licensee has modified the data in any way they are obligated to describe the types of modifications they have performed on the hardcopy map. Licensee specifically agrees not to misrepresent these data sets, nor to imply that changes they made were approved by the U.S. Geological Survey.

ArcGIS Metadata

Topics and Keywords

* **CONTENT TYPE** Downloadable Data

Citation

* **TITLE** geology_a_al

PRESENTATION FORMATS * digital map

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 10.0.4.4000

CREDITS

State Geologic Map Compilation (SGMC) activity of the National Surveys and Analysis projects of the US Geological Survey Mineral Resources Program.

ARCGIS ITEM PROPERTIES

* NAME geology_a_al

* LOCATION

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -88.473152

* EAST LONGITUDE -84.888464

* NORTH LATITUDE 35.007868

* SOUTH LATITUDE 30.060879

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -88.473152

* EAST LONGITUDE -84.888464

* SOUTH LATITUDE 30.060879

* NORTH LATITUDE 35.007868

* EXTENT CONTAINS THE RESOURCE Yes

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

This database is not meant to be used or displayed at any scale other than 1:500,000. Any hardcopies utilizing these data sets shall clearly indicate their source. If the licensee has modified the data in any way they are obligated to describe the types of modifications they have performed on the hardcopy map. Licensee specifically agrees not to misrepresent these data sets, nor to imply that changes they made were approved by the U.S. Geological Survey.

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Geographic

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4269

X ORIGIN -399.99999999999989

Y ORIGIN -399.99999999999989

XY SCALE 1000000000.0000001

Z ORIGIN -100000

Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 1.7763568394002505e-013
Z TOLERANCE 0.000200000000000000001
M TOLERANCE 0.000200000000000000001
HIGH PRECISION true
LEFT LONGITUDE -180
WELL-KNOWN TEXT
GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 4269
- * CODESPACE EPSG
- * VERSION 7.4.1

Spatial Data Properties

VECTOR

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME geology_a_al
- * OBJECT TYPE composite
 - * OBJECT COUNT 6254

ARCGIS FEATURE CLASS PROPERTIES

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 6254
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Distribution

DISTRIBUTOR

AVAILABLE FORMAT

- * NAME SDE Feature Class

TRANSFER OPTIONS

ONLINE SOURCE

- * LOCATION
- * ACCESS PROTOCOL ArcSDE Connection
- * DESCRIPTION Downloadable Data

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT geology_a_al

- * TYPE Feature Class
- * ROW COUNT 6254

DEFINITION

Compilation for the state geologic coverages.

DEFINITION SOURCE
USGS

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.

FIELD orig_label

- * ALIAS ORIG_LABEL
- * DATA TYPE String
- * WIDTH 12
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
unmodified map unit symbol from source cover.

DESCRIPTION SOURCE
Source Map

LIST OF VALUES

VALUE Qa
DESCRIPTION Modern alluvium
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Qg
DESCRIPTION Gravels and alluviums
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Qgo
DESCRIPTION Older gravels and alluviums
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Qe
DESCRIPTION Eolian deposits
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Qeo
DESCRIPTION Older eolian deposits
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Qd
DESCRIPTION Glacial drift
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Qdo
DESCRIPTION Older glacial drift
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Ql
DESCRIPTION Landslide deposits

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Qb

DESCRIPTION Basalt flows

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE QTSa

DESCRIPTION Unclassified surficial deposits and underlying Alamosa Fm in San Luis Valley

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE QTa

DESCRIPTION Ancient alluvium

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE To

DESCRIPTION Ogallala Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tgv

DESCRIPTION Bouldery gravel on old erosion surfaces in Front Range and Never Summer Mountains

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Ta

DESCRIPTION Arikaree Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Twr

DESCRIPTION White River Fm or Group

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Th

DESCRIPTION Huerfano Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tcu

DESCRIPTION Cuchara Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tpc

DESCRIPTION Poison Canyon Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tdu

DESCRIPTION Upper part of Dawson Arkose

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tbp

DESCRIPTION Browns Park Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tt

DESCRIPTION Troublesome Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tnp

DESCRIPTION North Park Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Map

VALUE Tos

DESCRIPTION Oligocene sedimentary rocks

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tu

DESCRIPTION Uinta Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tb

DESCRIPTION Bridger Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tg

DESCRIPTION Green River Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tgp

DESCRIPTION Green River Fm--Parachute Creek Member

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tgl

DESCRIPTION Green River Fm--Lower Part

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tglm

DESCRIPTION Green River Fm--Laney Member

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tgt

DESCRIPTION Green River Fm--Tipton Tongue

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tglu

DESCRIPTION Green River Fm--Luman Tongue

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tglw

DESCRIPTION Lower part of Green River Fm and Wasatch Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tw

DESCRIPTION Wasatch Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Twc

DESCRIPTION Wasatch Fm--Cathedral Bluffs Tongue

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Twn

DESCRIPTION Wasatch Fm--Niland Tongue

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Two

DESCRIPTION Wasatch Fm (including Fort Union equivalent at base) and Ohio Creek Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tf

DESCRIPTION Fort Union Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tc

DESCRIPTION Coalmont Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tm
DESCRIPTION Middle Park Fm exclusive of Windy Gap Member
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Td
DESCRIPTION Dry Union Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Ts
DESCRIPTION Sante Fe Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tsp
DESCRIPTION South Park Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tlp
DESCRIPTION Los Pinos Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tsj
DESCRIPTION San Jose Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Te
DESCRIPTION Eocene prevolcanic sedimentary rocks
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tn
DESCRIPTION Nacimiento Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tbb
DESCRIPTION Basalt flows and associated tuff, breccia, and conglomerate of late-volcanic bimodal suite
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tbbi
DESCRIPTION Basaltic intrusive rocks related to basalt flows
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tbr
DESCRIPTION Rhyolitic intrusive rocks and flows of late-volcanic bimodal suite
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tbrt
DESCRIPTION Ash-flow tuff of late-volcanic bimodal suite
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Taf
DESCRIPTION Ash-flow tuff of main volcanic sequence
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tial
DESCRIPTION Intra-ash flow andesitic lavas
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tiql
DESCRIPTION Intra-ash flow quartz latitic lavas
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tpl

DESCRIPTION Pre-ash-flow andesitic lavas, breccias, tuffs, and conglomerates

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Twm

DESCRIPTION Wall Mountain Tuff

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tv

DESCRIPTION Volcanic rocks in northwestern Colorado

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tui

DESCRIPTION Upper Tertiary intrusive rocks

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tmi

DESCRIPTION Middle Tertiary intrusive rocks

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tdv

DESCRIPTION Basaltic flows in Denver Fm near Golden

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TKda

DESCRIPTION Denver and Arapahoe Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TKdl

DESCRIPTION Denver Fm or lower part of Dawson Arkose

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TKr

DESCRIPTION Raton Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TKa

DESCRIPTION Animas Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TKec

DESCRIPTION Telluride conglomerate of Eocene prevolcanic sedimentary rocks (Te) and Cimarron Ridge Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TKi

DESCRIPTION Laramide intrusive rocks

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KI

DESCRIPTION Laramie Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kf

DESCRIPTION Fox Hills Sandstone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Klf

DESCRIPTION Laramie Fm and Fox Hills Sandstone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kvt
DESCRIPTION Vermejo Fm and Trinidad Sandstone
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kp
DESCRIPTION Pierre Shale, undivided
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kpu
DESCRIPTION Pierre Shale--Upper unit
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kpm
DESCRIPTION Pierre Shale--Middle unit
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kpl
DESCRIPTION Pierre Shale--Lower unit
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kn
DESCRIPTION Niobrara Fm Transitional unit between Battle Spring and Wasatch Formations
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kcg
DESCRIPTION Carlile Shale, Greenhorn Limestone, and Graneros Shale
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kc
DESCRIPTION Colorado Group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kpg
DESCRIPTION Pierre Shale (Kp), Niobrara (Kn), and Carlile, Greenhorn, and Graneros (Kcg) Fms, undivided
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kdp
DESCRIPTION Dakota Sandstone and Purgatoire Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kd
DESCRIPTION Dakota Sandstone or Group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kln
DESCRIPTION Lance Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmw
DESCRIPTION Windy Gap Member of Middle Park Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kls
DESCRIPTION Lewis Shale
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmv
DESCRIPTION Mesaverde Fm, undivided
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmvu
 DESCRIPTION Mesaverde Group or Fm--Upper part
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmvl
 DESCRIPTION Mesaverde Group or Fm--Lower part
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kw
 DESCRIPTION Williams Fork Fm
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Ki
 DESCRIPTION Iles Fm
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kh
 DESCRIPTION Hunter Canyon Fm
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Ksc
 DESCRIPTION Sego Sandstone, Buck Tongue of Mancos Shale, and Castlegate Sandstone
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmgs
 DESCRIPTION Mount Garfield Fm and Sego Sandstone
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Km
 DESCRIPTION Mancos Shale
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmfm
 DESCRIPTION Mancos Shale--Frontier Sandstone and Mowry Shale Members
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kfd
 DESCRIPTION Frontier Sandstone and Mowry Shale Members of Mancos Shale, and Dakota Sandstone
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kdb
 DESCRIPTION Dakota Sandstone and Burro Canyon Fm
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kkf
 DESCRIPTION Kirtland Shale and Fruitland Fm
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kpcl
 DESCRIPTION Pictured Cliffs Sandstone and Lewis Shale
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kch
 DESCRIPTION Cliff House Sandstone
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmp
 DESCRIPTION Menefee Fm and Point Lookout Sandstone
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Kmj

DESCRIPTION Mancos Shale--Juana Lopez Member

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KJdm

DESCRIPTION Dakota and Morrison Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KJdj

DESCRIPTION Dakota, Burro Canyon, Morrison, and Junction Creek Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KJdw

DESCRIPTION Dakota, Burro Canyon, Morrison, and Wanakah Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KJdr

DESCRIPTION Dakota Group and Morrison And Ralston Creek Fms at mountain front between Boulder and Colorado Springs. Dakota, Purgatoire, Morrison, and Ralston Creek Fms in Canon City area

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KJde

DESCRIPTION Dakota, Purgatoire, Morrison, Ralston Creek, and Entrada Fms in southeast. Dakota, Morrison, and Entrada Fms in central mountains. Dakota, Burro Canyon, Morrison, Wanakah, and Entrada Fms in Gunnison River area. Dakota, Morrison, Curtis, And Entrada Fms in northwest

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE KJds

DESCRIPTION Dakota, Morrison, and Sundance Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jm

DESCRIPTION Morrison Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmj

DESCRIPTION Morrison Fm and Junction Creek Sandstone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmc

DESCRIPTION Morrison Fm and Curtis Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmw

DESCRIPTION Morrison Fm and Wanakah Fm (Junction Creek Sandstone Member at or near top; Pony

Express Limestone Member at base)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmr

DESCRIPTION Morrison and Ralston Creek Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jme

DESCRIPTION Morrison Fm and Entrada Sandstone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jms

DESCRIPTION Morrison Fm and Sundance Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmse
DESCRIPTION Morrison Fm, Summerville Fm, and Entrada Sandstone
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmce
DESCRIPTION Morrison, Curtis, and Entrada Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmre
DESCRIPTION Morrison, Ralston Creek, and Entrada (or Exeter) Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jmwe
DESCRIPTION Morrison, Wanakah, and Entrada Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE JTRg
DESCRIPTION Glen Canyon Sandstone
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE JTRgc
DESCRIPTION Glen Canyon Group and Chinle Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE JTRmg
DESCRIPTION Morrison, Curtis, Entrada, and Glen Canyon Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE JTRmc
DESCRIPTION Morrison, Entrada, and Chinle Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRkc
DESCRIPTION Kayenta Fm, Wingate Sandstone, and Chinle Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRwc
DESCRIPTION Wingate Sandstone and Chinle Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRm
DESCRIPTION Moenkopi Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRch
DESCRIPTION Chugwater Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRcc
DESCRIPTION Chinle and Chugwater Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRc
DESCRIPTION Chinle Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRd
DESCRIPTION Dolores Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRdg
DESCRIPTION Dockum Group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPI
DESCRIPTION Lykins Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPs
DESCRIPTION State Bridge Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPII
DESCRIPTION Lykins Fm and Lyons Sandstone
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPjs
DESCRIPTION Jelms, Lykins, Lyons, and Satanka Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPcs
DESCRIPTION Chinle And State Bridge Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPcp
DESCRIPTION Chinle, Moenkopi, and Park City Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPr
DESCRIPTION Triassic and Permian rocks
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPdc
DESCRIPTION Dolores Fm and Cutler Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPmc
DESCRIPTION Moenkopi Fm and Cutler Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE TRPAIf
DESCRIPTION Lykins Lyons and Fountain Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Pp
DESCRIPTION Park City Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Pu
DESCRIPTION Upper Permian rocks, undivided
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Pc
DESCRIPTION Cutler Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MZ
DESCRIPTION Mesozoic rocks
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MZPZ
DESCRIPTION Mesozoic and Paleozoic rocks
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAf
DESCRIPTION Fountain Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAcf
DESCRIPTION Casper Fm and Lower part of Fountain Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAif
DESCRIPTION Ingleside Fm and Fountain Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAs
DESCRIPTION Sangre de Cristo Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAm
DESCRIPTION Maroon Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAw
DESCRIPTION Weber Sandstone
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PPAwm
DESCRIPTION Weber Sandstone and Maroon Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAm
DESCRIPTION Minturn Fm and other units of Pennsylvanian age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAb
DESCRIPTION Belden Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAmb
DESCRIPTION Minturn and Belden Fms
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAe
DESCRIPTION Eagle Valley Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAee
DESCRIPTION Eagle Valley Fm - evaporitic facies
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAmbe
DESCRIPTION Evaporitic facies of Minturn And Belden Fms in South Park and southward
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAh
DESCRIPTION Hermosa Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PArh

DESCRIPTION Rico and Hermosa Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE PAmr

DESCRIPTION Morgan Fm and Round Valley Limestone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MCA

DESCRIPTION Leadville Limestone, Williams Canyon Limestone , Manitou Limestone, and Sawatch Quartzite

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MDO

DESCRIPTION Leadville Limestone, Williams Canyon Limestone, and one or more of: Fremont Limestone, Harding Sandstone, and Manitou Limestone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE DOCA

DESCRIPTION Williams Canyon Limestone, Manitou Limestone, and Sawatch Quartzite

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE OCA

DESCRIPTION Manitou Limestone and Sawatch Quartzite in Southern Front Range and Wet Mountains. One or more Ordovician Fms (Fremont Limestone, Harding Sandstone, and Manitou Dolomite), Dotsero Fm, Peerless Fm, and Sawatch Quartzite in west-central and south-central Colorado

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Or

DESCRIPTION One or more Ordovician fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MD

DESCRIPTION Leadville Limestone, Gilman Sandstone, Dyer Dolomite, and Parting Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MDCA

DESCRIPTION Leadville, Gilman, Dyer, Parting, and Sawatch Fms in west-central and south-central. Leadville Limestone, Ouray Limestone, Elbert Fm, and Ignacio Quartzite in far southwest.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE DO

DESCRIPTION Parting, Fremont, and Harding Fms

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE CAs

DESCRIPTION Sawatch Quartzite

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Mm

DESCRIPTION Madison Limestone

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE CAI

DESCRIPTION Lodore Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE MCAmI

DESCRIPTION Madison Limestone and Lodore Fm

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE CAam
DESCRIPTION Intrusive rocks
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Yu
DESCRIPTION Uinta Mountain Group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE YXu
DESCRIPTION Uncompahgre Fm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Xb
DESCRIPTION Biotitic gneiss, schist, and migmatite
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Xfh
DESCRIPTION Felsic and hornblendic gneisses, either separate or interlayered
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Xq
DESCRIPTION Quartzite, conglomerate, and interlayered mica schist
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Wr
DESCRIPTION Red Creek Quartzite
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Yp
DESCRIPTION Rocks of Pikes Peak Batholith (1000-m.y. age group)
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Yg
DESCRIPTION Granitic rocks of 1400-m.y. age group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Yam
DESCRIPTION Alkalic and mafic rocks in small plutons, and diabase and gabbro dikes
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Xg
DESCRIPTION Granitic rocks of 1700-m.y. age group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Xm
DESCRIPTION Mafic rocks of 1700-m.y. age group
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE YXg
DESCRIPTION Granitic rocks of 1400- and 1700-m.y. age groups, undivided, or, in Taylor River region, rocks with characteristics of Xg but U-Th-Pb zircon ages of Yg
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

FIELD sgmc_label

- * ALIAS SGMC_LABEL
- * DATA TYPE String
- * WIDTH 16
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

sgmc_label = orig_label + ;n where n= province number (n=0 if no province number)

DESCRIPTION SOURCE

Doug Stoesser

CODED VALUES

NAME OF CODELIST sgmc_label = orig_label + ;n where n= province number (n=0 if no province number)

SOURCE Doug Stoesser

FIELD unit_link

* ALIAS UNIT_LINK

* DATA TYPE String

* WIDTH 18

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

composite map label = ST + sgmc_label

This creates a unique identifier for every unit in the CONUS (continental United States) covers.

DESCRIPTION SOURCE

Doug Stoesser

CODED VALUES

NAME OF CODELIST composite map label = ST + sgmc_label

SOURCE Doug Stoesser

FIELD source

* ALIAS SOURCE

* DATA TYPE String

* WIDTH 6

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

reference to the source used

DESCRIPTION SOURCE

Doug Stoesser

DESCRIPTION OF VALUES source varies by State

FIELD unit_age

* ALIAS UNIT_AGE

* DATA TYPE String

* WIDTH 60

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The geologic age from the source map used.

DESCRIPTION SOURCE

Source Map

LIST OF VALUES

VALUE Quaternary

DESCRIPTION geologic age

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Tertiary

DESCRIPTION geologic age

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Pliocene
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Miocene
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Oligocene
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Eocene
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Paleocene
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Mesozoic
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Cretaceous
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Jurassic
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Triassic
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Paleozoic
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Permian
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Pennsylvanian
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Mississippian
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Devonian
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Ordovician
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Cambrian
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Middle Proterozoic
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Early Proterozoic
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

VALUE Late Archaen
DESCRIPTION geologic age
ENUMERATED DOMAIN VALUE DEFINITION SOURCE Source Map

FIELD rocktype1

- * ALIAS ROCKTYPE1
- * DATA TYPE String
- * WIDTH 40
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The predominant lithology found in the formation.

DESCRIPTION SOURCE
unit classification

LIST OF VALUES

VALUE alluvium
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE gravel
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE clastic
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE dune sand
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE landslide
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE conglomerate
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE glacial drift
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE mudstone
DESCRIPTION The predominant lithology found in the formation.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE claystone

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE shale

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE sandstone

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE siltstone

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE limestone

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE quartzite

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE intermediate

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE basalt

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE ash-flow tuff

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE mixed clastic/volcanic

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE rhyolite

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE granite

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE felsic gneiss

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE granitoid

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE biotite gneiss

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE andesite

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE quartz latite

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE gabbro

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE diabase

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE water

DESCRIPTION The predominant lithology found in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

FIELD rocktype2

* ALIAS ROCKTYPE2

* DATA TYPE String

* WIDTH 40

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The second most predominant lithology in the formation.

DESCRIPTION SOURCE

unit classification

LIST OF VALUES

VALUE talus

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE alluvium

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE claystone

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE bentonite

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE conglomerate

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE sandstone

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE siltstone

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE mudstone

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE oil shale

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE shale

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE silt

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE limestone

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE dolostone

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE tuff

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE volcanic breccia

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE basalt

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE granodiorite

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE felsite

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE diorite

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE diabase

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE amphibolite

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE slate

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE quartzite

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE schist

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

VALUE mafic gneiss

DESCRIPTION The second most predominant lithology in the formation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE unit classification

FIELD FIPS_C

- * ALIAS FIPS_C
- * DATA TYPE String
- * WIDTH 256
- * PRECISION 0
- * SCALE 0

FIELD GEOL_DD_

- * ALIAS GEOL_DD_
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD GEOL_DD1

- * ALIAS GEOL_DD1
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

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.

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.

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.

OVERVIEW DESCRIPTION

ENTITY AND ATTRIBUTE OVERVIEW Coding for polygon attributes: NAME: FEATURE: orig_label unmodified map unit symbols from source cover sgmc_label orig_label modified for standard geologic age symbols and an integer code added for province unit_link sgmc_label and a state code identifier source reference to source of data unit_age geologic age rocktype1 predominant lithology rocktype2 second most predominant lithology For detailed information on attribute definitions for each state, reference the following USGS Open-File Reports: For Central States: Montana, Wyoming, Colorado, New Mexico, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Iowa, Missouri, Arkansas, and Louisiana - <http://pubs.usgs.gov/of/2005/1351/> For Western States: California, Nevada, Arizona, Washington, Oregon, Idaho, and Utah - <http://pubs.usgs.gov/of/2005/1305/> For Delaware, Maryland, New York, Pennsylvania, and Virginia - <http://pubs.usgs.gov/of/2005/1325/> For Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, Rhode Island and Vermont- <http://pubs.usgs.gov/of/2006/1272/> For Alabama, Florida, Georgia, Mississippi, North Carolina, and South Carolina - <http://pubs.usgs.gov/of/2005/1323/> For Minnesota, Wisconsin, Michigan, Illinois, and Indiana - <http://pubs.usgs.gov/of/2004/1355/> For Kentucky, Ohio, Tennessee, and West Virginia - <http://pubs.usgs.gov/of/2005/1324/>

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