

MS Surface Geology - 1969

Shapefile



Tags

geology, historic, boundaries

Summary

MS Surface Geology 1969

Description

Surface geologic formations derived by the MS Dept. of Environmental Quality - Office of Geology 1969

Digitized by the Center for Spatial Data Research and Applications, Jackson State

University. Geologic boundaries area generalized in certain areas. 1991

Data was geographically fitted to 1:100,000 state outline map. Attributes added -formation and code.

Credits

MDEQ-Office of Geology, Jackson State University- Center for Spatial Data Research and Applications, MARIS

Use limitations

There are no access and use limitations for this item.

Extent

West -91.736401 **East** -88.096416

North 35.005483 **South** 30.163603

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

TITLE MS Surface Geology - 1969
PUBLICATION DATE 1993-09-16 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Steve Walker
ORGANIZATION'S NAME MARIS
CONTACT'S POSITION GIS Operations Manager
CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE
VOICE 601-432-6149

ADDRESS

TYPE physical
DELIVERY POINT 3825 Ridgewood Rd
CITY Jackson
ADMINISTRATIVE AREA MS
POSTAL CODE 39211
E-MAIL ADDRESS swalker@mississippi.edu

HOURS OF SERVICE
M-F 7-3 CDT

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS historical archive
SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.6.1.9270

CREDITS

MDEQ-Office of Geology, Jackson State University- Center for Spatial Data Research and Applications, MARIS

ARCGIS ITEM PROPERTIES

* NAME geo
* SIZE 1.682
* LOCATION file:///\\DESKTOP-TP9LNVL\F\$\DATA\00_GEOSCIENTIFIC\geo.shp
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -91.736401

* EAST LONGITUDE -88.096416

* NORTH LATITUDE 35.005483

* SOUTH LATITUDE 30.163603

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 318658.959487

* EAST LONGITUDE 650945.325099

* SOUTH LATITUDE 1042491.925974

* NORTH LATITUDE 1577856.857367

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Resource Maintenance ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* PROJECTION mstm

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

X ORIGIN -5122200

Y ORIGIN -12297100

XY SCALE 450339697.45066422

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

WELL-KNOWN TEXT

PROJCS["mstm",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]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",1300000.0],PARAMETER["Cent

ral_Meridian",-
89.75],PARAMETER["Scale_Factor",0.9998335],PARAMETER["Latitude_Of_Origin",32.5],
UNIT["Meter",1.0]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 0

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME geo
* OBJECT TYPE composite
* OBJECT COUNT 796

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME geo
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 796
* SPATIAL INDEX FALSE
* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Lineage ►

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 1991-09-12 00:00:00

DESCRIPTION

Digitized by the Center for Spatial Data Research and Applications, Jackson State University. Geologic boundaries area generalized in certain areas.

PROCESS CONTACT

INDIVIDUAL'S NAME unknwn
ORGANIZATION'S NAME Jackson State University Center for Spatial Data Research and Applications

[Hide Process step ▲](#)

SOURCE DATA ▶

DESCRIPTION

Jackson State University - Center for Spatial Data Research and Applications

SOURCE MEDIUM NAME CD-ROM

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 500000

Hide Source data ▲

Hide Lineage ▲

Distribution ▶

DISTRIBUTION FORMAT

* NAME Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 1.682

Hide Distribution ▲

Fields ▶

DETAILS FOR OBJECT geo ▶

* TYPE Feature Class

* ROW COUNT 796

DEFINITION

Geologic formations

DEFINITION SOURCE

MDEQ

FIELD FID ▶

* ALIAS FID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

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 AREA ►

* ALIAS AREA

* DATA TYPE Double

* WIDTH 20

* PRECISION 0

* SCALE 0

Hide Field AREA ▲

FIELD PERIMETER ►

* ALIAS PERIMETER

* DATA TYPE Double

* WIDTH 20

* PRECISION 0

* SCALE 0

Hide Field PERIMETER ▲

FIELD GEO_ ►

* ALIAS GEO_

* DATA TYPE Double

* WIDTH 11
* PRECISION 11
* SCALE 0

Hide Field GEO_ ▲

FIELD GEO_ID ►

* ALIAS GEO_ID
* DATA TYPE Double
* WIDTH 11
* PRECISION 11
* SCALE 0

Hide Field GEO_ID ▲

FIELD USGS_CODE ►

* ALIAS USGS_CODE
* DATA TYPE String
* WIDTH 4
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

US Geological Survey formation code

DESCRIPTION SOURCE

USGS

Hide Field USGS_CODE ▲

FIELD FIPS ►

* ALIAS FIPS
* DATA TYPE Double
* WIDTH 11
* PRECISION 11
* SCALE 0

FIELD DESCRIPTION

FIPS County Code

DESCRIPTION SOURCE

MDEQ

Hide Field FIPS ▲

FIELD FORMATION ►

* ALIAS FORMATION
* DATA TYPE String
* WIDTH 30
* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Formation Name

USGS-CODE

CC
CM
D
EC
ECM
EJ
EK
ET
EW
EZW
KC
KD
KE
KET
KM
KP
KR
KRM
KT
MC
MPH
OF
OV
PAC
PAN
PAP
PC
QA
QC

FORMATION

Chester Group
Meramec, Osage
Chattanooga Shale
Cockfield
Cook Mountain
Jackson Group
Kosciusko
Tallahatta/Neshoba Sand
Wilcox
Zilpha/Winona
Coffee sand
Demopolis Chalk
Eutaw
Eutaw (Tombigbee sand)
Mooreville chalk
Prairie Bluff/Owl Creek
Ripley sand
Ripley (McNairy sand)
Tuscaloosa
Catahoula
Pascagoula/Hattiesburg
Forest Hill/Red Bluff
Vicksburg/Chickasawhay
Clayton
Naheola
Porter's Creek
Citronelle sand
Alluvium
Coastal deposits

DESCRIPTION SOURCE

MDEQ

[Hide Field FORMATION ▲](#)

FIELD CODENUM ►

* ALIAS CODENUM
* DATA TYPE SmallInteger
* WIDTH 2
* PRECISION 2
* SCALE 0

[Hide Field CODENUM ▲](#)

[Hide Details for object geo ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2019-01-17

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 2019-01-17 11:05:31

LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-01-17 11:20:19

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2019-01-17 11:06:04

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Steve Walker

ORGANIZATION'S NAME MARIS

CONTACT'S POSITION GIS Operations Manager

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

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E-MAIL ADDRESS swalker@mississippi.edu

HOURS OF SERVICE

M-F 7-3 CDT

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL geo
ENTITY TYPE DEFINITION
Geologic formations
ENTITY TYPE DEFINITION SOURCE MDEQ

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
ATTRIBUTE LABEL PERIMETER

ATTRIBUTE
ATTRIBUTE LABEL GEO_

ATTRIBUTE
ATTRIBUTE LABEL GEO_ID

ATTRIBUTE
ATTRIBUTE LABEL USGS_CODE
ATTRIBUTE DEFINITION
US Geological Survey formation code
ATTRIBUTE DEFINITION SOURCE USGS

ATTRIBUTE
ATTRIBUTE LABEL FIPS
ATTRIBUTE DEFINITION
FIPS County Code
ATTRIBUTE DEFINITION SOURCE MDEQ

ATTRIBUTE

ATTRIBUTE LABEL FORMATION

ATTRIBUTE DEFINITION

Formation Name USGS-CODE FORMATION CC Chester Group CM Meramec, Osage D
Chattanooga Shale EC Cockfield ECM Cook Mountain EJ Jackson Group EK Kosciusko ET
Tallahatta/Neshoba Sand EW Wilcox EZW Zilpha/Winona KC Coffee sand KD Demopolis
Chalk KE Eutaw KET Eutaw (Tombigbee sand) KM Mooreville chalk KP Prairie
Bluff/Owl Creek KR Ripley sand KRM Ripley (McNairy sand) KT Tuscaloosa MC
Catahoula MPH Pascagoula/Hattiesburg OF Forest Hill/Red Bluff OV
Vicksburg/Chickasawhay PAC Clayton PAN Naheola PAP Porter's Creek PC Citronelle
sand QA Alluvium QC Coastal deposits

ATTRIBUTE DEFINITION SOURCE MDEQ

ATTRIBUTE

ATTRIBUTE LABEL CODENUM

[Hide Entities and Attributes ▲](#)