Surficial_Geology_500K_Units

File Geodatabase Feature Class

Tags

dunes, sand and gravel, surficial deposits, alluvial, beach, bog, eolian, lacustrine, glaciomarine, glacial outwash, glacial fluvial, moraine, till, drift, imageryBaseMapsEarthCover, geoscientificInformation

Summary

This dataset was developed for use by MGS in cooperation with other entities. Its primary purpose is to provide a digital base map of surficial geologic units for Maine. Detailed design decisions and confirmation for the characterization of features will require additional field work.

Description

This dataset contains statewide surficial geology map units for Maine at 1:500,000 to 1:250,000 scale. The Maine Geological Survey (MGS) developed the dataset which maps surficial geology map units from their Regional Surficial Geology maps published in 1987. The data for this coverage were digitized and coded from 1:250,000 scale mylars by the J.W. Sewall Co., in 1990, for the Maine Low-Level Radioactive Waste Authority. Some coding and edgematching errors exist. For a detailed description of the surficial unit types see "Surficial Geologic Map of Maine, 1985" available at MGS. The data were updated in 2006 to fix some coastal errors.

Credits

Credit should always be given to the data source and/or originator when the data is transferred or printed.

Use limitations

Users must assume responsibility in determining the usability of this data for their purposes. Digital maps retain the accuracy of their source materials. The best use of data mapped at scales of 1:500,000 and 1:250,000 is in statewide planning and studies; at 1:100,000 in regional planning and studies; at 1:62,500 and 1:24,000 in detailed studies and local planning; and at 1:12,000 and 1:5,000 or larger scales in parcel level studies and detailed local planning. In the use of Maine GIS data, please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the correct copy of both data and metadata from the Maine GIS Data Catalog. Updates, corrections, and feedback, incorporated in the Maine GIS database are made in accordance with "Data Standards for Maine Geographic Information Systems", 2002, and coordinated by MEGIS

Extent

West -71.166947 **East** -66.850055

North 47.460104 **South** 43.057685

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 Surficial_Geology_500K_Units
PUBLICATION DATE 1999-07-01 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
ORGANIZATION'S NAME Maine Geological Survey
CONTACT'S ROLE originator

CONTACT INFORMATION ►
PHONE
VOICE 207-287-2801

ADDRESS
TYPE postal
DELIVERY POINT SHS 93
CITY Augusta
ADMINISTRATIVE AREA Maine
POSTAL CODE 04333
COUNTRY US
E-MAIL ADDRESS mgs@maine.gov

Hide Contact information ▲

Hide Citation Contacts ▲

Resource Details ►

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

STATUS completed
SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.4.0.5524

CREDITS
Credit should always be given to the data source and/or originator when the data is transferred or printed.

ARCGIS ITEM PROPERTIES
* NAME Surficial_Geology_500K_Units
* LOCATION file://\\DCN-CNA2PCCHALS\MGS\mgs_databases\mgs_data.gdb
* ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -71.166947
* EAST LONGITUDE -66.850055
* NORTH LATITUDE 47.460104
* SOUTH LATITUDE 43.057685
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE 336616.054400
* EAST LONGITUDE 662101.101500
* SOUTH LATITUDE 4769174.112600
* NORTH LATITUDE 5256295.835400
* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Points of Contact ►

POINT OF CONTACT
ORGANIZATION'S NAME Maine Geological Survey
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►
PHONE
VOICE 207-287-2801

ADDRESS
TYPE postal
DELIVERY POINT SHS 93
CITY Augusta
ADMINISTRATIVE AREA Maine
POSTAL CODE 04333
COUNTRY US
E-MAIL ADDRESS mgs@maine.gov

Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE
UPDATE FREQUENCY not planned

Hide Resource Maintenance ▲

Resource Constraints ►

CONSTRAINTS
LIMITATIONS OF USE
Users must assume responsibility in determining the usability of this data for their purposes. Digital maps retain the accuracy of their source materials. The best use of data mapped at scales of 1:500,000 and 1:250,000 is in statewide planning and studies; at 1:100,000 in regional planning and studies; at 1:62,500 and 1:24,000 in detailed studies and local planning; and at 1:12,000 and 1:5,000 or larger scales in parcel level studies and detailed local planning. In the use of Maine GIS data, please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the correct copy of both data and metadata from the Maine GIS Data Catalog. Updates, corrections, and feedback, incorporated in the Maine GIS database are made in accordance with "Data Standards for Maine Geographic Information Systems", 2002, and coordinated by MEGIS

Hide Resource Constraints ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM
* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
* PROJECTION NAD_1983_UTM_Zone_19N
* COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 26919
X ORIGIN -5120900
Y ORIGIN -9998100
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 26919
WELL-KNOWN TEXT PROJCS["NAD_1983_UTM_Zone_19N",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",0.0],PARAMETER ["Central_Meridian",-69.0],PARAMETER["Scale_Factor",0.9996],PARAMETER ["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26919]]

REFERENCE SYSTEM IDENTIFIER
* VALUE 26919
* CODESPACE EPSG
* VERSION 6.13(3.0.1)

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME Surficial_Geology_500K_Units
* OBJECT TYPE composite
* OBJECT COUNT 8178

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME Surficial_Geology_500K_Units
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 8178
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Distribution ►

DISTRIBUTOR ►
CONTACT INFORMATION
ORGANIZATION'S NAME Maine Geological Survey
CONTACT'S POSITION Director, Earth Resources Information
CONTACT'S ROLE distributor

CONTACT INFORMATION ►
PHONE
VOICE 207-287-2801

ADDRESS
TYPE postal
DELIVERY POINT State House Station 93
CITY Augusta
ADMINISTRATIVE AREA Maine
POSTAL CODE 04333
COUNTRY USA
E-MAIL ADDRESS mgs@maine.gov

Hide Contact information ▲

AVAILABLE FORMAT
* NAME SDE Feature Class

TRANSFER OPTIONS
ONLINE SOURCE
* LOCATION Server=sql-gisview-prod.som.w2k.state.me.us; Service=sde:sqlserver:sql-gisview-prod.som.w2k.state.me.us,1633; Database=GISVIEW; User=MEGIS; Version=dbo.DEFAULT
* ACCESS PROTOCOL ArcSDE Connection
* DESCRIPTION Downloadable Data

Hide Distributor ▲

DISTRIBUTION FORMAT
* NAME File Geodatabase Feature Class

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT Surficial_Geology_500K_Units ►
* TYPE Feature Class
* ROW COUNT 8178

DEFINITION
polygon feature class

DEFINITION SOURCE
Environmental Systems Research Institute, Inc. (ESRI)

FIELD CODE ►
* ALIAS CODE
* DATA TYPE String
* WIDTH 6
* PRECISION 0
* SCALE 0

Hide Field CODE ▲

FIELD Code ►
* ALIAS DESCRIPTION
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
The unit code on the map

DESCRIPTION SOURCE
MGS

Hide Field Code ▲

FIELD DESCRIPTION ►
* ALIAS MATERIALS
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

Hide Field DESCRIPTION ▲

FIELD Description ►
* ALIAS MATERIALS2
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Brief description of the unit

DESCRIPTION SOURCE
MGS

Hide Field Description ▲

FIELD MATERIALS ►
* 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 MATERIALS ▲

FIELD MATERIALS2 ►
* ALIAS ORIGIN
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

Hide Field MATERIALS2 ▲

FIELD Materials ►
* ALIAS ORIGIN2
* DATA TYPE String
* WIDTH 255

* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Materials description of the unit from the map

DESCRIPTION SOURCE

MGS

Hide Field Materials ▲

FIELD Materials2 ►

* ALIAS Shape
* DATA TYPE Geometry
* WIDTH 0
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Overflow for the MATERIALS field (if > 255 characters)

DESCRIPTION SOURCE

MGS

* DESCRIPTION OF VALUES

Coordinates defining the features.

Hide Field Materials2 ▲

FIELD OBJECTID ►

* ALIAS TOPOGRAPHY
* DATA TYPE String
* WIDTH 255
* 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 ORIGIN ►

* ALIAS UNIT
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION

Feature geometry.

* DESCRIPTION SOURCE
  Esri

* DESCRIPTION OF VALUES
  Coordinates defining the features.

Hide Field ORIGIN ▲

FIELD ORIGIN2 ►
* ALIAS created_user
* DATA TYPE String
* WIDTH 255
* 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 ORIGIN2 ▲

FIELD Origin ►
* ALIAS created_date
* DATA TYPE Date
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
  Origin description of the unit from the map

DESCRIPTION SOURCE
  MGS

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

Hide Field Origin ▲

FIELD Origin2 ►
* ALIAS last_edited_user
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION

Overflow for the ORIGIN field (when > 255 characters)

DESCRIPTION SOURCE
MGS

Hide Field Origin2 ▲

FIELD SHAPE ►
* ALIAS last_edited_date
* DATA TYPE Date
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Feature geometry.

DESCRIPTION SOURCE
ESRI

DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field SHAPE ▲

FIELD Shape ►
* ALIAS Shape_Length
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Feature geometry.

DESCRIPTION SOURCE
ESRI

DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field Shape ▲

FIELD TOPOGRAPHY ►
* 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 TOPOGRAPHY ▲

FIELD Topography ►
FIELD DESCRIPTION
Topography description of the unit from the map

DESCRIPTION SOURCE
MGS

Hide Field Topography ▲

FIELD UNIT ►

Hide Field UNIT ▲

FIELD Unit ►
FIELD DESCRIPTION
Geologic Unit description from the map

DESCRIPTION SOURCE
MGS

Hide Field Unit ▲

Hide Details for object Surficial_Geology_500K_Units ▲

OVERVIEW DESCRIPTION ►
ENTITY AND ATTRIBUTE OVERVIEW
Contains surficial geology map units characterized by specific type in the item UNIT. Attribution also indicates whether features represent a significant source of sand or gravel, or potential water supply aquifer, although this dataset does not represent the most complete or up-to-date information these resources in Maine.

ENTITY AND ATTRIBUTE DETAIL CITATION
The ArcView shapefile and ArcGIS geodatabase formats, commonly used for Maine GIS data, carry default identifiers and attributes that are software generated and/or important for internal recordkeeping. These are listed here to avoid repetition for every layer, and may not be repeated in the attribute descriptions and definitions of each layer. Common software generated identifiers and attributes in Maine GIS data include: FID (feature identifier), Shape (feature geometry), OBJECTID and SHAPE_lengt. In addition, most GIS formats will carry fields for PERIMETER, AREA and/or LENGTH according to feature geometry. These fields are typically available by default, with the units based on coordinate system or projection units of GIS data. Most GIS software packages also provide a means to calculate these values. It is important to test any columns containing PERIMETER, AREA or LENGTH values before using them for analysis purposes. These

important values can be carried from format to format and become out-dated. Verify that the values are correct. Also, in your GIS software, please view the properties of data layers for the map units used to calculate these fields, and for the units set for display purposes.

Hide Overview Description ▲

Hide Fields ▲

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
* METADATA CHARACTER SET 8859part1 - Latin alphabet No. 1

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

* LAST UPDATE 2016-10-27

ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
STANDARD OR PROFILE USED TO EDIT METADATA FGDC
METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2016-08-02 16:39:00
LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-10-27 10:05:13

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2016-10-27 10:00:06

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT
ORGANIZATION'S NAME Maine Department of Conservation, Maine Geological Survey
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►
PHONE
VOICE 207-287-3200

ADDRESS
TYPE postal
DELIVERY POINT SHS 22
CITY Augusta
ADMINISTRATIVE AREA Maine
POSTAL CODE 04333
COUNTRY US
E-MAIL ADDRESS dacf@maine.gov

Hide Contact information ▲

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼