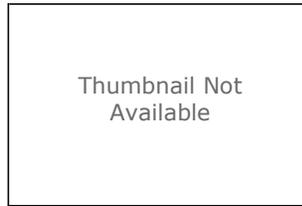


Groundwater_Classification_Areas_GA2

Shapefile



Tags

groundwater, well, wellhead, protection, classification

Summary

In 1991, in response to growing public awareness and concern, New Hampshire's Groundwater Protection Act (RSA 485-C) was enacted to protect and preserve valuable groundwater resources. The act recognizes the importance of groundwater to municipalities and public water suppliers and authorizes these local entities to develop local groundwater protection programs. The act establishes four classes of groundwater—GAA, GA1, GA2 and GB—and a process to "reclassify" groundwater to a classification that better protects current or future water supply resources. Areas are initially classified as GA2 (certain high-yield stratified-drift aquifers) and GB (all other areas). The term "reclassification" refers to the change from class GA2 or GB to a classification affording greater local and state protection (GAA or GA1).

Description

Pursuant to the Groundwater Protection Act section 485-C:5, all groundwater shall be classified for the purpose of prescribing protections and management practices. This layer partially represents the area(s) listed within RSA, including areas with greater state and local protections. Classifications do not necessarily reflect existing water quality.

Classifications of GA2 are applied to groundwater within high-yield stratified drift aquifers identified for potential use as a public water supply. Zones of stratified drift with a saturated thickness greater than 20 feet and a transmissivity greater than 1,000 feet squared per day are classified as GA2. Also classified as GA2 are zones of bedrock with average well yields greater than 50 gallons per minute.

Credits

NHDES

Use limitations

User is required to read metadata completely before using the data. The information provided in this coverage is a subset of spatial databases developed by the New Hampshire Department of Environmental Services (NHDES). Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. The NHDES is not responsible for the use or interpretation of this information, or for any inaccuracies in the site names, tax map and lot information, or locations. All information is subject to verification. These data are to be used for planning purposes only. Distribution is discouraged.

Extent

West -72.584809 **East** -70.753853
North 45.093723 **South** 42.694747

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment

* CONTENT TYPE Downloadable Data
 EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS New Hampshire, NH

THEME KEYWORDS groundwater, well, wellhead, protection, classification

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE Groundwater_Classification_Areas_GA2
 ALTERNATE TITLES GA2

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

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 10.2.1.3497

CREDITS
 NHDES

ARCGIS ITEM PROPERTIES

* NAME Groundwater_Classification_Areas_GA2
 * SIZE 2.943
 * LOCATION file://
 \\granite\apps\des\GIS\Core_GIS_Datasets\Environmental_Monitoring_and_Conservation\Groundwater_Classification_Areas_GA2.shp
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

DESCRIPTION

The data is up to date and only updated when new GA2 classifications occur or are modified.

TEMPORAL EXTENT

BEGINNING DATE 1991-01-01 00:00:00
 ENDING DATE 2014-02-18 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -72.584809
 * EAST LONGITUDE -70.753853
 * NORTH LATITUDE 45.093723
 * SOUTH LATITUDE 42.694747
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 747122.125000
 * EAST LONGITUDE 1220001.625000
 * SOUTH LATITUDE 72211.140625
 * NORTH LATITUDE 945452.437500
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Pierce Rigrod
 ORGANIZATION'S NAME New Hampshire Department of Environmental Services
 CONTACT'S POSITION Environmentalist IV
 CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 603-271-0688

ADDRESS

TYPE both
 DELIVERY POINT 29 Hazen Drive
 CITY Concord
 ADMINISTRATIVE AREA New Hampshire
 POSTAL CODE 03302
 COUNTRY US
 E-MAIL ADDRESS pierce.rigrod@des.nh.gov

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE
 UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

User is required to read metadata completely before using the data. The information provided in this coverage is a subset of spatial databases developed by the New Hampshire Department of Environmental Services (NHDES). Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. The NHDES is not responsible for the use or interpretation of this information, or for any inaccuracies in the site names, tax map and lot information, or locations. All information is subject to verification. These data are to be used for planning purposes only. Distribution is discouraged.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* PROJECTION NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102710

X ORIGIN -17463700

Y ORIGIN -48257000

XY SCALE 137246076.82899535

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.0032808333333333331

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3437

WELL-KNOWN TEXT PROJCS["NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet",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",984250.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-
 71.66666666666666667],PARAMETER["Scale_Factor",0.99996666666666667],PARAMETER["Latitude_Of_Origin",42.5],UNIT
 ["Foot_US",0.3048006096012192],AUTHORITY["EPSG",3437]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 3437

* 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 Groundwater_Classification_Areas_GA2

* OBJECT TYPE composite

* OBJECT COUNT 2128

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Groundwater_Classification_Areas_GA2

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 2128

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Lineage ►

LINEAGE STATEMENT

The New Hampshire Groundwater Protection Act, passed by the state legislature in 1991, authorizes DES to regulate large groundwater withdrawals and commercial discharges of wastewater, establishes best management practices that must be employed by activities that are considered potential contamination sources, creates four classes of groundwater, establishes groundwater quality standards and enables local entities (e.g., water suppliers and town boards) to play a role in actively managing activities having the potential to contaminate valuable groundwater. DES's Groundwater Reclassification Program allows local entities to secure greater protection of valuable groundwater resources that serve as a current or future source of drinking water.

[Hide Lineage ▲](#)

Distribution ►**DISTRIBUTOR ►****ORDERING PROCESS**

TERMS AND FEES No fee for standard export

INSTRUCTIONS

Please contact NHDES for information about acquiring this data layer.

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* **NAME** Shapefile

TRANSFER OPTIONS

* **TRANSFER SIZE** 2.943

[Hide Distribution ▲](#)

Fields ►**DETAILS FOR OBJECT Groundwater_Classification_Areas_GA2 ►**

* **TYPE** Feature Class

* **ROW COUNT** 2128

DEFINITION

Classifications of GA2 are applied to groundwater within high-yield stratified drift aquifers identified for potential use as a public water supply.

DEFINITION SOURCE

NHDES

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 12
 * PRECISION 11
 * SCALE 3

FIELD DESCRIPTION

Area of GA2 in square feet.

DESCRIPTION SOURCE

NHDES

[Hide Field AREA ▲](#)

FIELD PERIMETER ▶

* ALIAS PERIMETER
 * DATA TYPE Double
 * WIDTH 12
 * PRECISION 11
 * SCALE 3

FIELD DESCRIPTION

Perimeter of GA2 in feet.

DESCRIPTION SOURCE

NHDES

[Hide Field PERIMETER ▲](#)

FIELD AQ ▶

* ALIAS AQ
 * DATA TYPE String
 * WIDTH 1
 * PRECISION 0
 * SCALE 0

[Hide Field AQ ▲](#)

[Hide Details for object Groundwater_Classification_Areas_GA2 ▲](#)

[Hide Fields ▲](#)

Metadata Details ▶

* METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

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

* LAST UPDATE 2016-02-18

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 STANDARD OR PROFILE USED TO EDIT METADATA INSPIRE

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-02-18 14:57:57

AUTOMATIC UPDATES

LAST UPDATE 2016-02-18 14:55:21

[Hide Metadata Details ▲](#)

Metadata Contacts ▶

METADATA CONTACT

INDIVIDUAL'S NAME Pierce Rigrod
 ORGANIZATION'S NAME New Hampshire Department of Environmental Services
 CONTACT'S POSITION Environmentalist IV
 CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

PHONE

VOICE 603-271-0688

ADDRESS

TYPE both
 DELIVERY POINT 29 Hazen Drive

CITY Concord
ADMINISTRATIVE AREA New Hampshire
POSTAL CODE 03302
COUNTRY US
E-MAIL ADDRESS pierce.rigrod@des.nh.gov

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
UPDATE FREQUENCY annually

[Hide Metadata Maintenance ▲](#)

FGDC Metadata (read-only) ▼