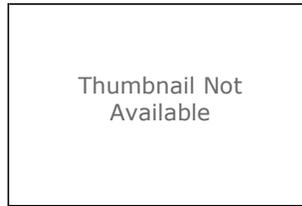


GAA Groundwater Classification

Shapefile



Tags

groundwater, well, wellhead, protection, classification

Summary

Class GAA is the most protected class of groundwater. Groundwater in this class is within the wellhead protection area for wells which presently are used or well sites which have been identified for future use as drinking water supply for public water systems. An inventory of potential contamination sources in the wellhead protection area shall be conducted, and a management program shall be implemented as provided under RSA 485-C:8.

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.

Reclassification to GAA requires the adoption of a local management program administered by a town or public water supplier to prevent the release of harmful substances that may contaminate groundwater, such as gas or oil.

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 -72.106953 **East** -70.970092
North 43.782562 **South** 42.764581

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 GAA Groundwater Classification
 ALTERNATE TITLES GAA
 PUBLICATION DATE 1992-01-01 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

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 postal
 CITY Concord
 ADMINISTRATIVE AREA New Hampshire
 POSTAL CODE 03302
 COUNTRY US
 DELIVERY POINT 29 Hazen Drive
 E-MAIL ADDRESS pierce.rigrod@des.nh.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 10.2.1.3497

CREDITS

NHDES

ARCGIS ITEM PROPERTIES

* NAME Groundwater_Classification_Areas_GAA
 * SIZE 0.047
 * LOCATION file://
 \\granite\apps\des\GIS\Core_GIS_Datasets\Environmental_Monitoring_and_Conservation\Groundwater_Classification_Areas_GAA.shp
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

DESCRIPTION

The data is up to date and only updated when new GAA reclassifications occur or protection areas are modified.

TEMPORAL EXTENT

BEGINNING DATE 1991-01-01 00:00:00
 ENDING DATE 2014-02-12 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -72.106953
 * EAST LONGITUDE -70.970092
 * NORTH LATITUDE 43.782562
 * SOUTH LATITUDE 42.764581
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 867971.562500
 * EAST LONGITUDE 1168217.625000
 * SOUTH LATITUDE 97171.101563
 * NORTH LATITUDE 467459.937500
 * 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
 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.

LEGAL CONSTRAINTS

ACCESS CONSTRAINTS restricted
 USE CONSTRAINTS restricted

OTHER CONSTRAINTS

Public water system data is available upon request and DES approval; Upon NHDES Approval

[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",-
 71.66666666666667],PARAMETER["Scale_Factor",0.9999666666666667],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_GAA
- * OBJECT TYPE composite
- * OBJECT COUNT 10

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME Groundwater_Classification_Areas_GAA
- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 10
- * 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 ►

CONTACT INFORMATION

- INDIVIDUAL'S NAME New Hampshire Department of Environmental Services
- CONTACT'S ROLE point of contact

ORDERING PROCESS

- TERMS AND FEES No fee for standard export

INSTRUCTIONS

Please contact NHDES for information about acquiring this data layer. To address homeland security concerns, access to some of these datasets is available only to users who present a valid personal identification number (PIN) and password. These datasets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<https://www2.des.state.nh.us/onestopdataproducers/registrationform.aspx?Id=NEW>). Applicants should be very specific when providing information on the registration form to enable NHDES personnel to determine their eligibility. For more information on what criteria is necessary to receive a PIN/password please visit <http://des.nh.gov/organization/commissioner/pip/factsheets/co/documents/co-14.pdf>. Once the applicant has been provided a PIN/Password, the applicant shall be the sole responsible party for the information they receive using the PIN/Password that has been issued to said party. The applicant shall be responsible for the accuracy of the information submitted in a request for a PIN and Password that will allow said applicant to access certain information held by NHDES. The applicant shall understand by submitting a registration form, said applicant shall be responsible for the PIN and Password they receive and for any and all information collected using the PIN and Password, and that NO LIABILITY IS INCURRED BY THE STATE by reason of providing the requested access.

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

- * NAME Shapefile

TRANSFER OPTIONS

- TRANSFER SIZE 0.053

[Hide Distribution ▲](#)

Fields ▶DETAILS FOR OBJECT [Groundwater_Classification_Areas_GAA](#) ▶

* TYPE Feature Class

* ROW COUNT 10

DEFINITION

The most restricted classification of groundwater. Prohibited land use includes hazardous waste disposal facilities, solid waste landfills, outdoor bulk storage or road salt, junkyards, snow dumps and wastewater or septage lagoons.

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 18

* PRECISION 17

* SCALE 5

FIELD DESCRIPTION

Area of GAA in square feet.

DESCRIPTION SOURCE

NHDES

Hide Field AREA ▲

FIELD PERIMETER ▶

* ALIAS PERIMETER

* DATA TYPE Double

* WIDTH 18

* PRECISION 17

* SCALE 5

FIELD DESCRIPTION

Perimeter of GAA in feet

DESCRIPTION SOURCE

NHDES

Hide Field PERIMETER ▲

FIELD Local_Ent ▶

* ALIAS Local_Ent
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Location of the protection area; town or water system

DESCRIPTION SOURCE

NHDES

[Hide Field Local_Ent ▲](#)

FIELD A_Reclass ▶

* ALIAS A_Reclass
 * DATA TYPE String
 * WIDTH 150
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The specific wells and their associated WHPAs that have been reclassified as GAA

DESCRIPTION SOURCE

NHDES

[Hide Field A_Reclass ▲](#)

FIELD Contact ▶

* ALIAS Contact
 * DATA TYPE String
 * WIDTH 75
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Town or water system contact

DESCRIPTION SOURCE

NHDES

[Hide Field Contact ▲](#)

FIELD Address ▶

* ALIAS Address
 * DATA TYPE String
 * WIDTH 150
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Address of the water system or town office

DESCRIPTION SOURCE

NHDES

[Hide Field Address ▲](#)

[Hide Details for object Groundwater_Classification_Areas_GAA ▲](#)

[Hide Fields ▲](#)

Metadata Details ▶

* METADATA LANGUAGE English (UNITED STATES)
 * METADATA CHARACTER SET utf16 - 16 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 15:23:19

AUTOMATIC UPDATES

LAST UPDATE 2016-02-18 15:22:27

[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
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ADDRESS

TYPE postal
CITY Concord
ADMINISTRATIVE AREA New Hampshire
POSTAL CODE 03302
COUNTRY US
DELIVERY POINT 29 Hazen Drive
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) ▼