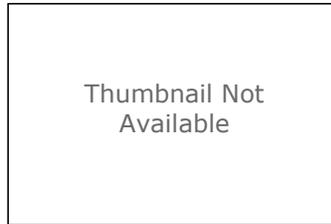


## Wellhead Protection Areas

### Shapefile



### Tags

environment, wellhead, well head, drinking water supply, protection areas, delineations, New Hampshire, NH

### Summary

This dataset is used by the New Hampshire Department of Environmental Services (NHDES) in setting priorities for drinking water protection activities.

### Description

This polygon shapefile contains Wellhead Protection Areas (WHPAs) for community and non-community, non-transient drinking water supplies in addition to watershed delineations for surface water intakes and groundwater sources under the direct influence of surface water. The data contains wellhead protection area (WHPA) polygons that represent Phase I or Phase II WHPAs based upon existing hydrologic data or advanced studies. NHDES uses a 500-foot radius circle for protection activities associated with sources for transient systems.

### 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 NHDES. Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. 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** -73.013645    **East** -70.755779  
**North** 45.302973    **South** 42.646081

### 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    environment

THESAURUS    ►  
 TITLE    ISO 19115 Topic Category

[Hide Thesaurus ▲](#)

THEME KEYWORDS    wellhead, well head, drinking water supply, protection areas, delineations

[Hide Topics and Keywords ▲](#)

**Citation** ▶

TITLE Wellhead Protection Areas  
 ALTERNATE TITLES WHPA  
 PUBLICATION DATE 2006-09-28 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  
 FAX (603) 271-0656

## ADDRESS

## TYPE

DELIVERY POINT 29 Hazen Drive, PO Box 95  
 CITY Concord  
 ADMINISTRATIVE AREA NH  
 POSTAL CODE 03302  
 COUNTRY US  
 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 10.2.0.3348

## CREDITS

NHDES

## ARCGIS ITEM PROPERTIES

\* NAME Wellhead\_Protection\_Areas  
 \* SIZE 6.763  
 \* LOCATION file://  
 \\granite\apps\des\GIS\Core\_GIS\_Datasets\Environmental\_Monitoring\_and\_Conservation\Wellhead\_Protection\_Areas.shp  
 \* ACCESS PROTOCOL Local Area Network

[Hide Resource Details](#) ▲

**Extents** ▶

## EXTENT

## DESCRIPTION

The extent is based on ground conditions and NHDES regulations.

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching  
 WEST LONGITUDE -73.013645  
 EAST LONGITUDE -70.755779  
 NORTH LATITUDE 45.302973  
 SOUTH LATITUDE 42.646081  
 EXTENT CONTAINS THE RESOURCE Yes

## TEMPORAL EXTENT

BEGINNING DATE 1992-01-01 00:00:00  
 ENDING DATE 2013-12-31 00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- \* WEST LONGITUDE 746677.189093
- \* EAST LONGITUDE 1225553.875000
- \* SOUTH LATITUDE 71510.640625
- \* NORTH LATITUDE 929472.141900
- \* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

POINT OF CONTACT

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

CONTACT INFORMATION ►

PHONE

VOICE (603) 271-0688  
 FAX (603) 271-0656

ADDRESS

TYPE

DELIVERY POINT 29 Hazen Drive, PO Box 95  
 CITY Concord  
 ADMINISTRATIVE AREA NH  
 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 quarterly

[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 NHDES. Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. 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

This data is available upon request and 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 7.4.1

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

#### VECTOR ►

\* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

#### GEOMETRIC OBJECTS

FEATURE CLASS NAME Wellhead\_Protection\_Areas  
 \* OBJECT TYPE composite  
 \* OBJECT COUNT 1666

[Hide Vector ▲](#)

#### ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Wellhead\_Protection\_Areas  
 \* FEATURE TYPE Simple  
 \* GEOMETRY TYPE Polygon  
 \* HAS TOPOLOGY FALSE  
 \* FEATURE COUNT 1666  
 \* SPATIAL INDEX TRUE  
 \* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

## Data Quality ►

#### SCOPE OF QUALITY INFORMATION ►

SCOPE EXTENT  
 DESCRIPTION

The quality of the wellhead protection area is based on the source data (i.e. hydrologic areas of concern (HACs), wells) used to delineate the area.

[Hide Scope of quality information ▲](#)

#### DATA QUALITY REPORT - COMPLETENESS OMISSION ►

MEASURE DESCRIPTION

The wellhead protection areas (WHPAs) are delineated using hydrologic areas of concern as a basis for determining surface areas that flow to a surface water body. Where topography does not indicate a definitive divide the larger area is included e.g., where a wetland is located in a saddle between two ridges the watershed delineation includes all of the wetland. The boundaries are being refined as watershed boundaries are improved (i.e. HUC 11, HUC 12) and new surface water sources are permitted.

[Hide Data quality report - Completeness omission ▲](#)

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►  
[Hide Data quality report - Quantitative attribute accuracy ▲](#)

[Hide Data Quality ▲](#)

## Lineage ►

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2005-01-01 00:00:00

DESCRIPTION

The wellhead protection areas are entered in two different ways. Either a paper copy is provided, which is scanned then digitized using the digitizer or an area is created by setting a radius around an existing well or HAC.

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

## Geoprocessing history ►

[Hide Geoprocessing history ▲](#)

## Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

ORGANIZATION'S NAME New Hampshire Department of Environmental Services

CONTACT INFORMATION ►

PHONE

VOICE 603-271-3503

ADDRESS

DELIVERY POINT 29 Hazen Drive, PO Box 95

CITY Concord

ADMINISTRATIVE AREA NH

POSTAL CODE 03302

COUNTRY US

[Hide Contact information ▲](#)

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/onestopdataproviders/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

SPECIFICATION NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.

TRANSFER OPTIONS

TRANSFER SIZE 2.442

[Hide Distribution ▲](#)

## Fields ►

DETAILS FOR OBJECT [Wellhead\\_Protection\\_Areas ►](#)

\* TYPE Feature Class

\* ROW COUNT 1666

DEFINITION

-

DEFINITION SOURCE

-

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

FIELD DESCRIPTION

Area of WHPA in square feet.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Calculated value using ArcGIS.

[Hide Field AREA ▲](#)

**FIELD PERIMETER** ▶

- \* ALIAS PERIMETER
- \* DATA TYPE Double
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

Perimeter of WHPA in feet.

**DESCRIPTION SOURCE**

NHDES

**DESCRIPTION OF VALUES**

Calculated value using ArcGIS.

*Hide Field PERIMETER* ▲

**FIELD MASTERID** ▶

- \* ALIAS MASTERID
- \* DATA TYPE Double
- \* WIDTH 11
- \* PRECISION 11
- \* SCALE 0

**FIELD DESCRIPTION**

A number field showing the NHDES master (universal) ID for the facility.

**DESCRIPTION SOURCE**

NHDES

**DESCRIPTION OF VALUES**

Unique site identifier. It is an internal tracking ID number within the NHDES OneStop Data System.

*Hide Field MASTERID* ▲

**FIELD SYSTEM\_ID** ▶

- \* ALIAS SYSTEM\_ID
- \* DATA TYPE String
- \* WIDTH 7
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

Environmental Protection Agency (EPA) System ID.

**DESCRIPTION SOURCE**

NHDES

**DESCRIPTION OF VALUES**

Unique identifier set by EPA.

*Hide Field SYSTEM\_ID* ▲

**FIELD ALLID** ▶

- \* ALIAS ALLID
- \* DATA TYPE String
- \* WIDTH 165
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

A 10 digit combination of the System ID and Master ID. All combinations representing well locations in the WHPA are listed.

**DESCRIPTION SOURCE**

NHDES

*Hide Field ALLID* ▲

**FIELD SOURCE\_IDS** ▶

\* ALIAS SOURCE\_IDS  
 \* DATA TYPE String  
 \* WIDTH 45  
 \* PRECISION 0  
 \* SCALE 0  
 FIELD DESCRIPTION  
 Public water supply locations represented by WHPA.

DESCRIPTION SOURCE  
 NHDES

DESCRIPTION OF VALUES  
 Derived from Public Water Supply ID.

*Hide Field SOURCE\_IDS ▲*

FIELD NAME ►  
 \* ALIAS NAME  
 \* DATA TYPE String  
 \* WIDTH 30  
 \* PRECISION 0  
 \* SCALE 0  
 FIELD DESCRIPTION  
 Water system name.

DESCRIPTION SOURCE  
 NHDES

DESCRIPTION OF VALUES  
 Commonly accepted or known name for the water system as registered with NHDES.

*Hide Field NAME ▲*

FIELD ADDRESS ►  
 \* ALIAS ADDRESS  
 \* DATA TYPE String  
 \* WIDTH 60  
 \* PRECISION 0  
 \* SCALE 0  
 FIELD DESCRIPTION  
 Street address for the water system.

DESCRIPTION SOURCE  
 NHDES

DESCRIPTION OF VALUES  
 Location data supplied by the water system as registered with NHDES.

*Hide Field ADDRESS ▲*

FIELD TOWN ►  
 \* ALIAS TOWN  
 \* DATA TYPE String  
 \* WIDTH 36  
 \* PRECISION 0  
 \* SCALE 0  
 FIELD DESCRIPTION  
 Town where the water system exists.

DESCRIPTION SOURCE  
 NHDES

DESCRIPTION OF VALUES  
 Name of town as registered with NHDES.

*Hide Field TOWN ▲*

## FIELD SYSTEM\_ACT ►

\* ALIAS SYSTEM\_ACT  
 \* DATA TYPE String  
 \* WIDTH 1  
 \* PRECISION 0  
 \* SCALE 0

## FIELD DESCRIPTION

Activity status of the water system.

## DESCRIPTION SOURCE

NHDES

## LIST OF VALUES

VALUE A  
 DESCRIPTION The water system is Active.  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE I  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES  
 DESCRIPTION The water system is Inactive.

*Hide Field SYSTEM\_ACT ▲*

## FIELD SYSTEM\_TYP ►

\* ALIAS SYSTEM\_TYP  
 \* DATA TYPE String  
 \* WIDTH 1  
 \* PRECISION 0  
 \* SCALE 0

## FIELD DESCRIPTION

Type of water system.

## DESCRIPTION SOURCE

NHDES

## LIST OF VALUES

VALUE C  
 DESCRIPTION Community system  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE P  
 DESCRIPTION Non-transient, non community systems (i.e. schools, hospitals, businesses etc.).  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE N  
 DESCRIPTION Transient, non-community systems (i.e. hotels, restaurants, campgrounds etc.).  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

*Hide Field SYSTEM\_TYP ▲*

## FIELD SYSTEM\_CAT ►

\* ALIAS SYSTEM\_CAT  
 \* DATA TYPE String  
 \* WIDTH 3  
 \* PRECISION 0  
 \* SCALE 0

## FIELD DESCRIPTION

Type of establishment served by the water source.

## DESCRIPTION SOURCE

NHDES

## LIST OF VALUES

VALUE APT  
 DESCRIPTION Apartment  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE COM  
 DESCRIPTION Commercial property  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE CON  
 DESCRIPTION Condominiums

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE CPG

DESCRIPTION Campground

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DAY

DESCRIPTION Day care

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DOM

DESCRIPTION Dormitories, overnight schools, colleges

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE HAL

DESCRIPTION Function halls, churches, social clubs

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE HOM

DESCRIPTION Resident homes (nursing, group, live-in)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE HOS

DESCRIPTION Hospital, medical facility

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE IND

DESCRIPTION Industrial facility

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE INN

DESCRIPTION Inn

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE INS

DESCRIPTION Institution, rehabilitation

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE JUV

DESCRIPTION Youth recreation camp

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE LCW

DESCRIPTION Large community water system (CWS) (>1000 population or fire protection)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE MCW

DESCRIPTION Major CWS (>1500 population or surface supply)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE MHP

DESCRIPTION Mobile home park

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE MTL

DESCRIPTION Motel, cabins, hotels

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE OTH

DESCRIPTION Other (C, P, N)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE REC

DESCRIPTION Recreational, historical site

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE RES

DESCRIPTION Restaurant

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE RSA

DESCRIPTION Rest area

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SCH

DESCRIPTION Schools (public, private schools)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SCW  
 DESCRIPTION Small CWS (<1000 population and No fire protection)  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SER  
 DESCRIPTION Seasonal residence  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SFR  
 DESCRIPTION Single family residence  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SNK  
 DESCRIPTION Snack bar, take-out foods  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SRH  
 DESCRIPTION Senior housing  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE BWS  
 DESCRIPTION Bottled water source  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE BWF  
 DESCRIPTION Bottled water facility  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE BUS  
 DESCRIPTION Business > 25 employees, not all on site  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE WKP  
 DESCRIPTION Workplace (25 employees, not commercial/industrial)  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

*Hide Field SYSTEM\_CAT ▲*

FIELD POPULATION ►

- \* ALIAS POPULATION
- \* DATA TYPE Integer
- \* WIDTH 6
- \* PRECISION 6
- \* SCALE 0

FIELD DESCRIPTION

Population served by the water system.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Population served is provided by the water system or applicant and is determined by NHDES' Water Supply Engineering Bureau (WSEB) using the number of service connections multiplied by 2.5 (persons).

*Hide Field POPULATION ▲*

FIELD DWPA\_TYPE ►

- \* ALIAS DWPA\_TYPE
- \* DATA TYPE String
- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The methods used to delineate WHPAs.

DESCRIPTION SOURCE

NHDES

LIST OF VALUES

VALUE WVR

DESCRIPTION Waiver program systems that are not otherwise coded. WHPA volume derived from reported water use or

from estimation methods.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PH1

DESCRIPTION Phase I delineation based on hydrogeologic data.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PHN

DESCRIPTION Phase I delineation approval through the Community Well Program.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NW2

DESCRIPTION Phase II delineation completed for a new community well.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DSN

DESCRIPTION Fixed radius based on design flow under system approval.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PH2

DESCRIPTION Phase 2 delineation based on hydrogeologic data.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE W

DESCRIPTION Fixed radius based on maximum daily withdrawal reported under NHDES sampling waiver program.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PHE

DESCRIPTION Fixed radius based on maximum daily withdrawal reported during a NHDES telephone survey.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NW1

DESCRIPTION Phase I delineation completed for a new community well.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PHO

DESCRIPTION Phase I delineation for circular WHPA based on the withdrawal volume from the well.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PHV

DESCRIPTION Phase I delineation using stratified drift aquifer or lineament mapping, watershed boundaries or any other methods that are not advanced hydrologic and groundwater investigation tools designed to evaluate the area of influence of the withdrawal.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE OTH

DESCRIPTION Wells connected to a water system without an active wellhead protection plan.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

[Hide Field DWPA\\_TYPE ▲](#)

FIELD DWPA\_RAD ►

\* ALIAS DWPA\_RAD

\* DATA TYPE Double

\* WIDTH 11

\* PRECISION 11

\* SCALE 0

FIELD DESCRIPTION

Numeric radius of fixed-radius protection areas measured in feet.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Value set by method used.

[Hide Field DWPA\\_RAD ▲](#)

[Hide Details for object Wellhead\\_Protection\\_Areas ▲](#)

[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 2014-02-10

## ARCGIS METADATA PROPERTIES

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

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-02-19 09:28:30

## AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
 LAST UPDATE 2016-02-19 09:28:30

[Hide Metadata Details](#) ▲

**Metadata Contacts** ▶

## METADATA CONTACT

INDIVIDUAL'S NAME George Hastings  
 ORGANIZATION'S NAME New Hampshire Department of Environmental Services  
 CONTACT'S POSITION GIS Coordinator

## CONTACT INFORMATION ▶

PHONE  
 VOICE 603-271-0399

## ADDRESS

TYPE  
 DELIVERY POINT 29 Hazen Drive, PO Box 95  
 CITY Concord  
 ADMINISTRATIVE AREA NH  
 POSTAL CODE 03302  
 COUNTRY US  
 E-MAIL ADDRESS [George.Hastings@des.nh.gov](mailto:George.Hastings@des.nh.gov)

[Hide Contact information](#) ▲

[Hide Metadata Contacts](#) ▲

**Metadata Maintenance** ▶

## MAINTENANCE

UPDATE FREQUENCY annually

[Hide Metadata Maintenance](#) ▲

**FGDC Metadata (read-only)** ▼