Printing Note: Parts of Appendices A & B were scanned

SOURCE AUGMENTATION
EXPLORATION OF NEW GROUNDWATER SUPPLIES
CITY OF PORTSMOUTH STUDY AREA

CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS
PORTSMOUTH, NEW HAMPSHIRE

June 2009

Presented to:

Mr. Peter Rice
City of Portsmouth
Department of Public Works

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June 17, 2009

Mr. Peter Rice
City of Portsmouth
Department of Public Works
680 Peverly Hill Road
Portsmouth, NH 03801

Dear Peter,

Emery & Garrett Groundwater, Inc. (EGGI) is pleased to present to you the accompanying report entitled, "Phase I -- Source Augmentation Study -- Exploration of New Groundwater Supplies within the City of Portsmouth Study Area." Based on the results of our Phase I work efforts, we have selected 17 potential *Bedrock Aquifer* Groundwater Development Zones and 13 potential *Sand and Gravel Aquifer* Groundwater Development Zones (GWZs). The selected GWZs incorporate the portions of the Study Area that we consider to have the highest *potential* for developing significant quantities of groundwater supplies, and are where we recommend proceeding with geophysical surveys to select potential exploratory test wells.

It is very difficult, if not impossible, to predict the ultimate yields of wells targeted for drilling, or even the total capacity of a selected Groundwater Development Zone to produce water, prior to subsurface investigations (i.e., geophysical surveys, test well drilling, and/or long-term pumping yield tests). ***However, based upon our combined experiences and the hydrogeological data we have collected and evaluated during this Phase I study, we believe that the potential exists for the development of a combined total of 1.5 to 3.0+ million gallons per day (MGD) of groundwater from selected fractured Bedrock and Sand and Gravel Aquifers within the Portsmouth Study Area.***

We also recommend conducting detailed evaluations of the existing City of Portsmouth groundwater supply wells in the Pease Tradeport area in order to establish the maximum sustainable and peak yield of these wells and to develop a comprehensive water resource management plan. Based on the available information, it appears that additional groundwater withdrawals derived from these existing wells may yield an additional 500,000 to 1 million gallons per day. We will provide you with a full discussion of our recommendations regarding this matter under a separate cover.

I hope you find the information contained herein responsive to your needs. If you have any questions regarding this material, please do not hesitate to contact us.

Best regards,

John A. Brooks, Ph.D., P.G. Project Manager	James M. Emery, P.G. President	Ken C. Hardcastle, Ph.D. Senior Geologist

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I. INTRODUCTION

Emery & Garrett Groundwater, Inc. (EGGI) has completed the first Phase of a Source Augmentation Study, which is seeking to identify and develop new groundwater sources within (and proximal to) the City of Portsmouth Service Area. The purpose of this investigation is to secure additional potable groundwater resources to supplement the existing network of surface and groundwater supply sources currently utilized by the City of Portsmouth Department of Public Works. This groundwater exploration program was conducted within an area (herein called the Study Area) that extends to include a one-mile buffer around the existing City water distribution system, including the approximately 7.6 mile long pipeline connecting the water supplies in Madbury to the rest of the public water system (Figures 1 and 2).

This investigation evaluated the potential for developing new groundwater supplies from ***both*** fractured bedrock *and* sand and gravel aquifers in accordance with:

Task A – Compiling and Reviewing Background Hydrogeologic Information
Task B – Completing a Groundwater Contaminant Threats Assessment
Task C – Identifying Potential Land Areas Available for Groundwater Development
Task D – Conducting Geologic Mapping of Bedrock Geology and Surficial Geology
Task E – Performing Bedrock Fracture Fabric/Lineament Analyses
Task F – Selecting and Prioritizing Potential Groundwater Development Zones
Task G – Conducting a Preliminary Groundwater Recharge Assessment

The results of this source augmentation investigation resulted in the identification of 17 potential ***Bedrock Aquifer*** Groundwater Development Zones and 13 ***Sand and Gravel Aquifer*** Groundwater Development Zones (GWZs). These selected GWZs incorporate the portions of the Study Area that have the highest *potential* for developing significant quantities of groundwater supplies (Figures 4, 5, and 6 and Plates). A number of the GWZs highlight areas where groundwater quality is likely to be less favorable due to the proximity of water bodies with salt/brackish water or the potential for anthropogenic contaminants to influence

groundwater quality. Additional detailed hydrogeologic investigations will be required to more accurately determine the yield potential and groundwater quality within each of the proposed GWZs. Only then can final decisions be made concerning the economic feasibility of developing groundwater resources within each specific area. Recommendations for additional Phases of this hydrogeologic investigation are presented at the end of this report.

II. BACKGROUND HYDROGEOLOGIC INFORMATION

A. Introduction

The City of Portsmouth Public Works Department currently supplies potable water to a significant population within the City of Portsmouth and portions of the Towns of New Castle, Rye, Greenland, Durham, and Newington. The City utilizes both surface water and groundwater resources to meet the water demand of the population served by the Portsmouth Water System. These water sources include the Bellamy Reservoir and Production Wells drilled in sand and gravel aquifers within Portsmouth, Newington, Madbury, and Greenland (Figure 1; Tables I-III).

The City of Portsmouth Water Supply Master Plan and Madbury Water Treatment Plant Evaluation Report indicates that an average production capacity of approximately 7.4 million gallons per day (mgd) of water supply is currently available from the existing City water resources under drought conditions. During non-drought periods, more than 11.1 million gallons per day are available to the City (Weston & Sampson, Inc., 2003). That study also suggested that the maximum-day production rate of the Portsmouth Water System currently ranges from 9.3 to as high as 10.1 mgd[1].

Although the current production capacity is sufficient to meet *existing* average and peak water demands, the existing system production capacity will be inadequate to meet future maximum-day demand after the year 2015. ***In order to meet future potable water needs, Weston & Sampson, Inc. recommended that the City proceed with the development of an additional 1.5 mgd of production capacity from a series of groundwater supply wells.***

The City therefore contracted EGGI to conduct Phase I of a multi-phase Source Water Augmentation Study. The first step in this Study was the compilation of background information about the hydrogeologic setting, potential contaminant threats, and existing well information. This information was obtained from a variety of sources, including existing reports, the New Hampshire State Geographic Information System (GIS) GRANIT database, and NH Department of Environmental Services (NHDES) GIS databases. Information obtained from these databases was supplemented with field investigations made by EGGI scientists.

[1] The higher potential production capacity can be obtained by increasing pumping rates at the Haven and Harrison wells.

B. Regional Setting of the Study Area

As noted above, the Study Area encompasses an area within one-half mile of the City water distribution system and extends to the Maine/New Hampshire State border. It therefore includes the City of Portsmouth and portions of Madbury, Dover, Durham, Newington, Greenland, New Castle, and Rye (Figure 1 and Plate 1, View B).

The results of the background data compilation show that the Study Area also incorporates portions of several regional and local watersheds, including (from northwest to southeast within the Study Area) the Bellamy River, Oyster River, Great Bay, Portsmouth Harbor, Winnicut River, and Berrys Brook-Rye Harbor watersheds (Figure 2). The Bellamy, Oyster, and Winnicut Rivers flow into Great Bay within the central portion of the Study Area. Great Bay empties into the Salmons Falls River just east of the confluence of the Bellamy River with Great Bay. Within the Study Area, the waters of Great Bay, Salmon Falls River, Oyster River, and the lower portions of the Bellamy and Winnicut Rivers, are tidal and have brackish water quality. Production wells developed in close proximity of Great Bay could potentially induce this brackish water as recharge to the well.

C. Existing Water Distribution Systems

The City of Portsmouth Water System services residences and businesses within all, or portions of, Portsmouth, Newington, New Castle, and Greenland (Figure 2 and Plate 1, View B). As noted above, the City of Portsmouth utilizes water resources from the Bellamy Reservoir and wells drilled in sand and gravel aquifers, including public water supply wells located within the Pease Tradeport site (Tables I-IV).

Water distributions systems for Durham, Dover, and Rye are located adjacent to the Study Area (Plate 1, View B). Public water supply wells for the Dover water system are located within and adjacent to the northeastern portion of the Study Area, and one of the Rye public water supply wells is located just south of the Study Area. The development of new groundwater resources within the Study Area will include investigations designed to insure protection of these valuable water resources.

D. Existing Wells

The NHDES GIS public water and general well inventory databases show the locations of public and private water supply wells within and proximal to the Study Area (Figure 4 and Plate 1). The largest groundwater withdrawals within the Study Area are associated with public water supply wells operated by the Cities of Portsmouth and Dover, and the Town of Rye (Plate 1; Table IV). These municipalities derive groundwater resources from sand and gravel wells with yields in the range of 300 to 800 gpm[2]. A high-yield 450-gpm bedrock well (located along

[2] Note that the yields listed in the Table IV and the NHDES database are not actual withdrawals from the wells but reflect yield potential.

the southern edge of the Study Area) was installed as part of a groundwater exploration project by the Town of Rye (Figure 4). This well is currently *not* used as a public water source.

Other community wells as well as transient , non-transient, and non-community wells existing within the Study Area, provide potable groundwater supplies to meet a variety of needs such as businesses, day camps, schools, and condominiums (Table IV; Plate 1). Most of these non-municipal wells are relatively low yielding (< 60 gpm) bedrock wells.

Many homes, businesses, and other facilities in the Study Area are served by individual bedrock or sand and gravel wells (Appendix A). The NHDES database includes information for 659 bedrock wells that are located within the Study Area (Figure 4 and Plate 1). Note that the wells in this database compilation represent only a small portion of the *actual* number of non-public water supply wells that are present within the Study Area, particularly in Madbury, Dover, and Durham.

Yields of *all* of the bedrock wells listed in the database range from 0 to 450 gpm and average 20 gpm (Table V; Plate 1; Appendix A). Only seven of the bedrock wells have yields greater than 100 gpm. Note, however, that most of the well sites were drilled at "random" and were not selected using modern analytical exploration methods such as those employed by EGGI. It is our professional opinion that locations exist within the Study Area where high-yield bedrock wells can be developed as part of a comprehensive groundwater exploration program.

As can be seen on Plate 1, Wellhead Protection Areas (WHPAs) have been defined for the community, non-transient, and non-community wells within the Study Area. In general, these areas outline the maximum area from which a particular well receives groundwater recharge. However, the accuracy of the delineations vary depending upon the type of delineation method employed to define the WHPA. For example, the WHPAs around most non-transient, non-community wells are simple circular areas with radii based only on well yield, rather than on specific hydrologic characteristics of the aquifer proximal to the well. The development of additional groundwater resources within existing WHPAs is certainly possible, *if* it can be demonstrated that the additional groundwater withdrawals will not adversely impact the existing water supply well production rates or water quality.

III. ASSESSMENT OF POTENTIAL CONTAMINANT THREATS TO GROUNDWATER QUALITY

The potential for groundwater contamination is a significant consideration when evaluating a proposed site or area for the development of high yield groundwater production wells as potable water supplies. Therefore, EGGI conducted a contaminant threats assessment of the Study Area that included:

- The compilation and review of existing NHDES GIS contaminant threats databases;
- Windshield surveys of potential adverse land uses within the Study Area; and
- An in-office inspection of high-resolution aerial photographs taken in 2005[3].

Note that most of the NHDES contaminant threats databases do not indicate actual contamination of groundwater, but rather the *potential* for contamination to occur. For example, the UST database only indicates the *presence* of a registered Underground Storage Tank, not that groundwater contamination from tank leakage has occurred. Sites or areas where some form of contaminant investigation, or remediation, has occurred are included in the Site Remediation and Groundwater Hazards Inventory (SRGHI).

The results of this contaminant threat assessment are presented on Figures PRD-1 through PRD-6, PRD-SG1 through PRD-SG6, and Plate 2. NHDES GIS potential contaminant threat site and area locations, and those identified by EGGI scientists, are displayed on Plate 2, but only those within 3,000 feet of the Groundwater Development Zones are labeled[4]. NHDES GIS summary information for those sites is presented in Appendix B.

As would be expected, potential contaminant threats within the Study Area are largely concentrated along the major traffic routes, near the commercial areas of Newington and Portsmouth, and within the Pease Tradeport (i.e., the old Pease Air Force Base) (Plate 2). Ideally, water resources should be developed *only* in areas where the potential for contamination is not present. Where possible, areas surrounding the potential contaminant threats within the Study Area were eliminated from further consideration for groundwater development. However, because of the restricted availability of areas in which additional water resources can be developed (see section below), some areas that are *hydrogeologically* favorable for groundwater development are recommended for further consideration, even though they are located proximal to possible "*potential*" contaminant threats. Further detailed hydrologic and water quality studies will be required to determine if groundwater contamination is actually present near the Groundwater Development Zones, and whether it is economically feasible to treat the contamination in order to develop new groundwater resources.

IV. IDENTIFICATION OF AVAILABLE LAND AREAS FOR GROUNDWATER RESOURCE DEVELOPMENT

In addition to hydrogeologic and water quality considerations for groundwater development, the selection of public water supply well locations is controlled by NHDES setback requirements. NHDES requirements for the development of large groundwater sources include the need for establishing a Sanitary Protective Area (SPA) around each pumping well. For wells with yields greater than 100 gpm, a SPA with a radius of 400 feet is required (this is

[3] The 2005 aerial photographs used for EGGI's contaminant threat analysis are NHDOT photographs obtained from NH GRANIT program.
[4] RCRA sites were not labeled on the Plate, but *are* labeled on the Figures of individual Groundwater Development Zones.

equivalent to approximately 11.5 acres of land). Land use within the SPA must be maintained as close to natural conditions as possible, and are restricted to those uses related to the operation and maintenance of the production well[5].

In order to help focus the investigation into areas where the required SPA setbacks can be satisfied, an "exclusion" analysis of the Study Area was performed using a variety of City of Portsmouth and NHDES GIS databases that include land uses that would not be allowed within the SPA of a well. The areas included in the analysis incorporated the following criteria:

- 400-foot buffers from all roads, railroads, and pipelines;
- 400-foot buffers around all potential contaminant threats sites;
- The extent of contaminant threat areas;
- Areas of surface water; and
- The limits of wetlands defined in the National Wetland Inventory database.

The exclusion areas encompassed in these buffers and areas are displayed on Figure 3 and Plate 2. The exclusion areas defined by this analysis provide a rough, first-cut estimate of the areas to be excluded from future groundwater development. Further detailed analyses will be required to determine where specific land uses (e.g., buildings, farms, etc.) would preclude the development of a public groundwater well within, or proximal to, Groundwater Development Zones. In addition, a more detailed site-specific analyses will be conducted to evaluate whether the set backs, from specific contaminant threats that exist proximal to these GWZs, need to be greater than 400 feet.

Based on this exclusion analysis, approximately 20% of the Study Area is potentially available for future groundwater development (Figure 3 and Plate 2). The remaining tasks of this investigation focused on determining the hydrogeologic favorability of the bedrock and sand and gravel aquifers within the areas not "excluded" for exploration in the Study Area. The results of these tasks are presented below.

V. IDENTIFICATION OF FAVORABLE BEDROCK AQUIFERS

A. Introduction

The bedrock underlying the Portsmouth Study Area is made up predominantly of meta-sedimentary and igneous rocks such as quartzites, phyllites, granofels, granitic gneiss, diorite, gneiss, and schist (Figure 4 and Plate 3, View A). The hydrologic favorability of these rock units are dependent upon the presence of discontinuities, such as fractures and faults, to provide openings for groundwater storage and movement. The areas where such discontinuities are most prevalent are typically those with the greatest potential for developing groundwater resources within the bedrock.

[5] A waiver provision does allow some flexibility of the rules in certain cases but, in general, the 400-foot setback is required.

EGGI conducted a regional assessment of the hydrologic favorability of the various rock units within the Study Area in order to define potential Groundwater Development Zones that encompass potential bedrock aquifers. The geologic and hydrologic "factors" that EGGI incorporated in this evaluation included the following:

- Rock type(s) including all inherent characteristics of the rock, particularly mineral composition and texture;
- Discontinuities in the bedrock resulting from compositional differences within multi-layered rock;
- Contact zones between rock units of contrasting character;
- Fault zones;
- Presence of fractures and other discontinuities;
- Folds with potential concentrations of fractures;
- Overburden type and thickness (i.e., sand, gravel, silt) and;
- Remote sensing analyses using different scales and types of imagery, including the study of lineaments and the observance of coincident lineaments from one aerial platform to another.

The results of this assessment are presented in the following sections of the report.

B. Bedrock Geology of the Study Area

The geology of the Study Area was investigated through a program of geologic field mapping conducted by EGGI geologists. This was accomplished to provide insights into the spatial variation of the hydrogeologic factors listed above. As a part of this mapping exercise, EGGI compiled a geologic base map for the Study Area through the identification and evaluation of numerous soil exposures and rock outcrops. The geologic map presented on Figure 4 and Plate 3 (View A) supplements the work previously conducted by others (Novotny, 1969; Rickerich, 1983; Carrigan, 1984; Hussey and Bothner, 1995; Lyons and others, 1997; Bennett and others, 2006).

The pre-existing geologic maps, combined with EGGI's mapping efforts, indicate that the Study Area is underlain by three main groupings of rock types (Figure 4 and Plate 3, View A):

1. Meta-sedimentary rocks of the Kittery, Elliot, and Berwick Formations;
2. Diorite of the Exeter Diorite and
3. In the southeastern coastal area, gneisses and schists of the Rye Formation and the Breakfast Hill Granite.

The Kittery, Elliot, and Berwick Formations are metamorphosed rocks that developed from sediments such as those found on modern continental shelves (e.g., sands, silt, and clay). The Kittery Formation is dominantly a fine-grained, calcareous to quartz-rich meta-sandstone (quartzite) that is interbedded with fine-grained phyllite. The Elliot Formation is typically a fine-

grained, phyllite with moderately-to well-developed fissility[6] or foliation[7]. The Berwick Formation is a calcareous, fine- to medium-grained, quartz, feldspar granofels to schist.

Fissility and foliation in the exposures of the Berwick and Kittery Formations mapped in this Study Area are less well developed than in the exposures of the Elliot Formation. However, the rocks of the Kittery Formation, in specific locations, do exhibit pronounced planar partings along layering and foliations. The presence of fissility, foliation, and layering within these rock formations has enhanced the development of fractures and faults that could serve as discrete locations for groundwater storage and flow (i.e., a bedrock aquifer).

Fissility, foliation, and bedding within the metamorphosed sedimentary rocks generally strike (trend) to the northeast and dip[8] (inclined) steeply to moderately to the northwest and southeast. However, the strike and dip of these rock fabrics vary locally, as shown by the structural symbols on Plate 3, View A. For example, bedding in the Kittery Formation trends west-northwest in exposures west of Little Bay (Plate 3, View A).

The Exeter Diorite formed from magmas that intruded the Elliot and Kittery Formations. Thermally metamorphosed 'rafts' and 'inclusions' of these Formations occur locally within the diorite, generally indicating that the rock exposure is near the edge of the diorite intrusion. The Exeter Diorite unit is generally a medium-grained igneous rock comprised dominantly of interlocking feldspar and mafic minerals (i.e., pyroxene and hornblende) and subordinate to trace quartz, biotite, and chlorite. This massive igneous rock generally lacks the bedding and fracturing characteristics that, as seen in the metamorphic rocks, help promote the development of favorable bedrock aquifers. However, in certain areas, this unit can have pervasive fracture systems that can form very productive bedrock aquifers in the subsurface, as shown in the presence of high-yield wells within the rock unit.

Rocks in the southeastern portion of the Study Area, the Rye Formation and the Breakfast Hill Granite, are of higher metamorphic grade and typically coarser grained than the metamorphosed sediments of the Kittery, Elliot, and Rye Formations. They are comprised of aluminous schists, quartzites, granitic gneiss, hornblende gneiss, biotite gneiss, and migmatitic gneiss. Compositional layering and foliation within the rocks generally strike northeast and dip moderately to steeply to the northwest, although strike and dip orientations vary locally. Ductile shearing within the rocks has resulted in varying degrees of mylontinization[9] (Plate 3, View A).

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[6] Fissility refers to the property of shales to split along layers, more or less parallel to the plane of bedding.
[7] Foliation describes a fine layering with metamorphic rocks that result from the parallel alignment of platy minerals such as chlorite, muscovite, and biotite.
[8] Dip refers to the angle at which a fracture, geologic bed, etc., is inclined from the horizontal plane (measured in degrees). Strike refers to the orientation of horizontal line in the plane of an inclined planar feature such as a fracture or a geologic bed. It is measured in degrees east of north.
[9] Mylonitized rocks have experienced grain size reduction and development of shear fabrics due to ductile shearing deformation.

Two significant regional fault zones occur within the coastal portion of the Study Area. One of these, the Portsmouth Fault Zone, is a ductile fault zone that separates the Breakfast Hill Granite and Rye Formation from the other rock units within the Study Area. Rocks immediately adjacent to this fault zone are complexly deformed, and include numerous fault slip planes at various attitudes, resulting in variably-sized lensoidal rock masses and discrete zones of grain size reduction and shearing. The Great Common Fault Zone is the other significant fault zone within the coastal region of the Study Area. As exposed on the coast, this fault is a tens of meters wide zone of mylonitized gneisses and ultramylonites (Plate 3, View A). Although potential water-bearing openings were not developed within the fault zones at the time of ductile deformation, water-bearing zones have developed within and proximal to the fault zones during later periods of brittle reactivation. Therefore, the areas proximal to the fault zones are considered to be favorable targets for groundwater development.

Mesozoic, un-metamorphosed, mafic dikes (thin tabular shaped rocks formed from crystallized magmas) intrude all the aforementioned rocks at various locations within the Study Area (dike symbols in View A of Plate 3). These dikes range in width from a few tens of centimeters to many meters. The dikes generally intruded along pre-existing planar weaknesses and fabrics within the host rocks (such as the foliation in meta-sediments) but also crosscut the rock fabrics. The major orientations of the dikes are northeast, north-northeast, and north to north-northwest. Cooling fractures that developed within the dikes, and fracturing along the dikes in the host rocks, potentially form favorable pathways for groundwater storage and flow.

The bedrock well data analyzed during this investigation was used to evaluate the yield potential of the major rock formations within the Study Area (Figure 4). By comparing well yield to the rock formation in which each well was installed, it was determined that the average well yield, by formation, ranges between 11 gpm within the Berwick Formation to 38 gpm for the Rye Formation (Table V). Bedrock wells with yields of greater than 100 gpm occur within all of the formations except for the Berwick Formation. The entirety of analysis of the various bedrock types suggests that additional high-yield bedrock wells *can* be developed in most of the rock units within the Study Area.

C. Identification of Potential Fractured Bedrock Aquifers

As noted above, the water-bearing properties of bedrock within the Study Area are dependent upon the occurrence of fractures, faults, or other bedrock discontinuities that provide avenues for the storage and flow of groundwater. Therefore, a detailed investigation of the secondary permeability associated with bedrock discontinuities was *also* conducted as part of this study. To this end, the following two-fold approach was utilized by EGGI scientists:

1) Remote sensing analyses of the site was conducted using many scales and types of aerial photography and imagery; and
2) Measurements of bedrock fracture characteristics were taken and recorded at numerous bedrock exposures in all different rock types.

Whereas the analyses of remote sensing data provided insights into potential bedrock discontinuities for 100% of the Study Area, data collected from EGGI's investigations of on-site bedrock exposures provide detailed "field" evidence for the orientation of faults, fracture systems, and other discontinuities at specific locations. The correlation of the mapped bedrock discontinuities with linear features, determined through remote sensing analysis (i.e., lineaments), provided the basis for using the lineaments to define sub-areas within the Study Area where the underlying bedrock is potentially preferentially fractured or faulted (Wise, 1982). These sub-areas are considered favorable candidates for yielding substantial groundwater resources.

1. Remote Sensing Analyses

a) Introduction and Methods

The underlying key to successfully evaluating the potential to develop groundwater supplies from fractured bedrock sources is the ability for geologists to consistently and accurately delineate zones of laterally extensive bedrock fracture systems and other structural discontinuities through which groundwater can flow. "Fracture trace" or lineament analyses, in conjunction with detailed structural mapping of brittle deformation features, are routinely applied by remote-sensing scientists as practical methods to delineate water-bearing bedrock systems.

Many subsurface features, such as fracture zones, bedrock discontinuities, faults, and geologic contacts, have ground surface expressions that can be detected through a remote sensing analysis of photographic and computer-enhanced images. These surface expressions typically appear on the ground surface as topographic depressions, vegetation changes, tonal anomalies (i.e., contrast changes), etc., and are known as 'lineaments.' A lineament can be loosely defined as a mappable linear feature, as seen on the terrain surface, whose parts are aligned in a rectilinear or curvilinear manner.

The approach used to collect and analyze lineaments is to first draw lineaments on different scales and types of images. The lineaments are then digitized and spatially and statistically evaluated using EGGI computer programs. Four image types were analyzed during this study using ten separate observational trials to develop a robust lineament data set for the Study Area (Table on Plate 3). *Image types included 15-meter resolution multi-spectral ASTER[10] satellite data and a gray-scale 'shaded relief' model of digital elevation data (DEM).*

EGGI's lineament analyses provides two main products: 1) rose diagrams[11] of lineaments for comparison with fracture fabric data (Plate 3, View B); and 2) high confidence, reproducible lineaments (lineaments defined during multiple observational trials), called coincident lineaments (Plate 3, View A). These rose diagrams graphically present the orientations of the

[10] Advanced Spaceborne Thermal Emission and Reflection Radiometer (http://asterweb.jpl.nasa.gov/)
[11] Rose diagrams are presented in a rose "petal" format (Plate 3). The trend of each rose petal is posted in degrees east of north. Petal width is a measure of data scatter and petal length a measure of relative numbers of data in each lineament family.

most common lineament orientations (lineament families) and the relative dominance (as shown by the length of the rose petals of each orientation. All lineament data were used for comparison with other geologic data (i.e., bedrock fracture fabric analyses) to help identify favorable areas considered suitable for groundwater development.

b) Results of Remote Sensing Analyses

Due to the elongated nature of the Study Area, three cumulative rose diagrams were generated from the 5,937 lineaments defined in this study. The three rose diagrams show the dominant orientations of the lineament families observed across the Study Area. The dominant orientations are north, northeast, east, and southeast (Plate 3, View B).

North and east trending lineament families dominate in the northwest portion of the Study Area, whereas northeast and east trending lineament families are prominent in the southern portion of the Study Area.

Coincident lineaments are defined where lineaments observed on different aerial platforms have similar trends and are located near each other (within ±2 mm at the scale of the source imagery). Coincident lineaments are shown superimposed across the Study Area on Plate 3, View A. Those coincident lineaments that are sub-parallel with nearby bedrock fracture family orientations, bedding orientation, mapped fault zones, and/or lithologic contacts are highlighted in magenta on Plate 3, View A as "fracture-supported" coincident lineaments. For similar hydrogeologic conditions, intersections of coincident lineaments are generally considered to be more favorable for groundwater development than individual coincident lineaments for siting bedrock wells.

At least one, and typically numerous, coincident lineaments occur within each Groundwater Development Zone considered favorable for development of groundwater resources, suggesting the presence of highly fractured bedrock in the subsurface. Emphasis was placed on these lineaments when selecting potential Groundwater Development Zones.

2. Bedrock Fracture Fabric Analysis

a) Introduction

As noted previously, groundwater storage and flow is controlled, in large part, by the secondary permeability associated with structural discontinuities such as fractures and faults. Therefore, EGGI's analysis of the groundwater potential within the Study Area also involved detailed characterization of the fracture fabric of the bedrock. These fracture fabric data have two primary uses in this study: 1) they enabled correlation of lineaments to ground features, thereby supporting extrapolation of fracture fabric features to areas where bedrock is not exposed; and 2) they provide a qualitative measure of the groundwater storage and secondary permeability the characteristics within the bedrock. The ability to extrapolate the detailed

fracture fabric data beyond specific outcrop locations where measurements are made is important because bedrock is exposed in less than approximately 5% of the Study Area.

b) Result/Key Observations About the Fracture Fabric

Field inspections of many bedrock exposures, in different rock units scattered throughout the Study Area, were completed during this investigation. Approximately 5,000 detailed field measurements on over 1,400 bedrock fractures (and fracture systems) were made at 200+ bedrock exposures (Plate 3, View A). Analyses focused on the characterization of structural features known to influence groundwater movement within bedrock, such as fractures, brittle faults, and other structural discontinuities. In addition, specific characteristics of the structural features were noted, such as planarity, length, interconnection, spacing, and associated mineralization.

Bedrock fracture family orientations for representative bedrock fractures measured in the Study Area are displayed using structure symbols on Plate 3 (View A). In addition, the synoptic rose diagram on Plate 3 shows the most common fracture family orientations observed within the entire Study Area. Their orientations are defined as follows (strike (dip)): 194º (88º), 32º (90º), 126º (90º), 172º (88º), 159º (89º), 52º (90º), and 72º (88º). Note, that other fracture orientations occur locally and are common within sub-areas of the Study Area, as shown in Plate 3, View A. For example, bedrock exposures southwest of Zone PRD-1, within rocks of the Exeter Diorite, have a pronounced and pervasive, generally 45-degree NW dipping fracture zones (Plate 3, View A). In a favorable setting for recharge such fracture zones with moderate inclinations can form very productive bedrock aquifers.

D. Selection of Groundwater Development Zones - Potential Bedrock Aquifers

The many criteria integrated to rank Groundwater Development Zones according to their favorability for developing groundwater supplies from the bedrock aquifers cannot be quantified by a rigid mathematical equation. Rather, the results of the exploration program is dependent upon an experienced team of earth scientists integrating all of the criteria and qualitatively assigning a “likelihood” of a particular Zone to produce protected, sustainable groundwater supplies of good quality.

The results of this Phase I groundwater exploration program have served to delineate seventeen (17) Zones that were considered to be favorable candidates for groundwater development from *bedrock aquifers* (Table VI). These potential Groundwater Development Zones are distributed throughout the Study Area in a wide variety of hydrogeologic settings (Figure 4 and Plate 3).

The potential Groundwater Development Zones are labeled in accordance with their hydrogeologic favorability such that Zone PRD-1 is considered to be more favorable for groundwater development than Zone PRD-2, etc. Technical criteria used to evaluate the *hydrogeologic* favorability of these Zones include topography, bedrock geology, bedrock structural

features, lineament analyses, fracture fabric analyses, and the presences of existing high-yielding wells.

As noted previously, a number of the Groundwater Development Zones are located along Great Bay (or salt marshes along Great Bay), salt marshes, or land uses that do pose a *potential* threat to groundwater quality. Therefore, these Groundwater Development Zones are shown with dashed outlines to indicate that the quality of the groundwater within the Zones may be *potentially* less favorable than groundwater resources within other Zones. Although the potential for groundwater quality issues reduces the overall initial favorability of the Zones, further investigations will be required to determine if groundwater quality issues actually exist. Even if groundwater contamination is present, the development of groundwater within these Zones might meet specific needs related to the City's water system that would make the treatment of the groundwater cost effective now, or in the future.

VI. IDENTIFICATION OF FAVORABLE SAND AND GRAVEL AQUIFERS

A. Introduction

The hydrogeological favorability of unconsolidated deposits within the Study Area was assessed through the compilation of data from existing regional groundwater investigations, previous surficial maps, local hydrogeologic reports, and well databases. This information was supplemented with insights gained through detailed mapping conducted by EGGI scientists.

Regional groundwater resource investigations and existing surficial maps provided insights into the surficial geology of the Study Area (Bennett, et al., 2004, Delcore, et al., 1989, Flanagan and Stekl, 1992, Koteff, et al, 1989a, Koteff, et al., 1989b, Larson, 1992, Larson and Goldsmith, 1989, Lawlor and Mack, 1992, Mack and Lawlor, 1992, Stekl and Flanagan, 1992). EGGI incorporated these regional studies and maps into this groundwater resource investigation for the City of Portsmouth. Data from existing sources and EGGI's mapping program were instrumental in selecting potential Groundwater Development Zones that overlay potential sand and gravel aquifers. The results of these investigations are presented below.

B. Surficial Geology of the Study Area

The reports, maps, and analyses cited above, along with EGGI's field mapping, provided the basis for our understanding of the unconsolidated deposits within the Study Area. The results of the study indicate that the unconsolidated deposits within the Study Area are comprised of three groups: 1) those related to past glacial activity; 2) alluvial sediments deposited by recent streams and rivers; 3) and recent lake bottom, swamp, and salt marsh deposits (Figure 5 and Plate 4). EGGI's groundwater investigation concentrated on the identification of the glacial deposits having adequate saturated thickness to support sustained groundwater withdrawals from a high-yield production well.

The formation of the glacial deposits is related to glacial activity prior to approximately 13,000 years ago. During this glacial era, a continental ice sheet blanketed the Study Area region. Different types of unconsolidated deposits were associated with the growth (advancement) and melting (recession) of the ice sheet.

As the glacier advanced throughout the area from approximately northwest to southeast, it scoured the underlying ground, removing essentially all previously existing sediments and material derived from deeply weathered bedrock. These scoured materials, ranging in size from clay particles to boulders, were deposited as a compact, thin veneer of till over the scoured bedrock (Figure 5 and Plate 4). The high clay content and compaction of the "till" deposits resulted in a relatively impermeable material that is unsuitable as an aquifer.

As the glacier came to a standstill, and then started to melt (retreat), the sea level rose so that the ocean remained near the edge of the glacier or in direct contact with it. As melting proceeded, the glacier withdrew episodically in a northwestward direction. Periods of melting and withdrawal were followed by episodes of stagnation and perhaps even glacial re-advancement. At each of the stagnation points, a new sequence of proximal sand and gravel deltas and distal ocean bottom marine deposits typically formed within the ocean along the edge of the glacier (Figure 5 and Plate 4). In places, the younger marine deposits buried older sand and gravel deposits located to the southeast. If the stagnation period were long enough, the sand and gravel deltas would build out over the ocean bottom deposits.

This complex sequence of deposition resulted in a multi-layered sequence of coarse-grained, hydrologically favorable marine delta deposits and hydrological unfavorable, fine-grained ocean bottom deposits.

The glacial deposits have, in part, been eroded and reworked by late glacial to post-glacial ocean waves, streams, and rivers. This process resulted in the re-deposition of sand and gravel within wave cut terraces, stream terraces, and alluvial floodplains (Figure 5 and Plate 4).

C. Identification of Favorable Areas for Developing Groundwater Resources from Sand and Gravel Aquifers

The unconsolidated sediments within the Study Area were evaluated to determine where additional groundwater resources could potentially be developed. In general, unconsolidated sediments form hydrologically favorable aquifers if:

- The grain size of the sediments is course enough (e.g., sand, gravel, cobbles, etc.);
- The sediments are well sorted (have a restricted range of grain size);
- The thickness of *"saturated"* sediments is greater than 30 to 40 feet; and
- There is sufficient groundwater recharge available.

Grain and sorting characteristics of the sediments are typically related to the depositional setting. For example, deposition within the marine deltas generally led to the development of

coarse deposits of well-sorted sand and gravel near the glacier, and well sorted, fine-sands and silt in distal portions of the delta. The ocean bottom deposits (the Presumpscot Formation) are comprised of moderately-to well-sorted medium to fine sands to clay.

As can be seen on Figure 5 and Plate 4, eight marine delta deposits (herein labeled A through H) occur *locally* throughout the Study Area, the largest of which occurs beneath the area of the Pease Tradeport (Delta E). Well information suggests that the delta deposits in the southern portion of the Study Area (Deltas A, B, and D) may be generally thinner than the other deltas, and are therefore less favorable for groundwater development. However, further investigations are required to determine if portions of the southern deltas are thick enough for the development of groundwater resources.

The sands, silts, and clays that comprise the Presumpscot Formation are subdivided into two units: a sandy unit (deltaic sediments - Qps) and a silt to clay-rich unit (distal ocean bottom sediments - Qp). In general, the sandy unit of the Presumpscot Formation is more favorable for groundwater development than the silt to clay-rich unit. The surficial geology maps presented on Figure 5 and Plate 4 show that the sandy unit occurs to the north of Great Bay. It should be noted, however, that groundwater resources could be developed in areas mapped as clay-rich Presumpscot Formation, *if* coarser glacial sediments are located at depth. This geologic setting would potentially occur where the Presumpscot Formation overlaps or covers older delta deposits, eskers, etc.

Based on the hydrogeologic data analyzed during this Phase I study, 13 proposed Groundwater Development Zones were selected for further exploration that are underlain by favorable sand and gravel deposits within the Study Area. These Zones are ranked numerically by hydrogeologic favorability such that Zone PRD-SG1 is considered more favorable for groundwater development than Zone PRD-SG2, etc.

A number of the proposed Groundwater Development Zones are located near sites and areas having current, or past, land uses that pose a "*potential"* contaminant threat to groundwater quality (These Zones are highlighted with a dashed boundaries as shown on the Figures and Plates). Therefore, additional investigations will be required within these Zones to determine the severity of the "potential" contaminant threat or whether actual contamination exists.

VII. OVERVIEW OF AVAILABLE GROUNDWATER RECHARGE

The availability of groundwater recharge determines the sustainable yield of a well or wellfield. Water being withdrawn from the groundwater system must be replenished or the existing storage will be depleted. A comprehensive groundwater exploration program therefore must not only locate transmissive water-bearing zones or productive sediments, it also should review the potential for aquifer systems to be adequately recharged. Insights into the groundwater recharge characteristics of the study area are presented below.

Recharge to the groundwater aquifers within the proposed Groundwater Development Zones will be derived from precipitation, induced recharge from surface water, or upwelling of groundwater from bedrock. The amount of recharge potentially derived from each of these sources depends on the hydrogeology of each Zone and the proximity of the Zone to surface water.

In general, precipitation follows three pathways: 1) evapotranspiration to the atmosphere; 2) direct runoff to streams; or 3) infiltration into the subsurface. Previous studies suggest that, of the approximately 42 inches of precipitation per year that falls in the Study Area, approximately 20 inches will be typically lost to evapotranspiration, so it will not serve as recharge to the wells.

The amount of the remaining precipitation (24 inches) that directly flows into surface water bodies verses infiltrating into the ground as recharge depends on the local variations in surficial materials, topography, geomorphology, etc. The most favorable settings for groundwater recharge to occur is located in areas having permeable surficial deposits, gentle slopes, and extensive and thick unconsolidated deposits (e.g., marine deltas). Such areas provide significantly more favorable groundwater recharge conditions than areas underlain by low permeability deposits, such as till or clay. For example, a significant portion of the 24 inches of precipitation will act as groundwater recharge in areas underlain by sandy sediments, such as the marine deltas. In contrast, in areas underlain by till or clayey Presumpscot Formation, a majority of the precipitation will flow directly into the surface water bodies and recharge to the groundwater aquifer will be on the order of 2-5 inches.

Wells drilled within the Groundwater Development Zones located proximal to the estuaries and rivers have a greater potential for inducing recharge from the surface water bodies. The amount of induced recharge will depend upon a number of hydrogeologic factors, including the hydraulic conductivity of the bottom sediments within the estuaries and rivers.

Upwelling of groundwater from bedrock aquifers can supply recharge locally to overlying sand and gravel aquifers. In general, this form of recharge in sand and gravel aquifers is much less than that derived from precipitation or induced recharge from surface water bodies.

As noted previously, several of the proposed Groundwater Development Zones (e.g., PRD-SG3 and PRD-SG10) are located within the Wellhead Protection Areas of existing public water supply wells. The development of additional groundwater wells within these proposed Zones could potentially capture groundwater recharge that would otherwise reach the existing public production wells. Therefore, in order to develop additional groundwater resources within these Zones, artificial recharge may need to be considered (or used) as a supplemental source of recharge in order to prevent adverse impacts on the existing water supply wells.

Because of the many *local* variables that influence the recharge potential of a given well site or Zone, detailed recharge assessments will need to be completed as part of the next work Phases of the groundwater exploration program. These assessments will include the investigation of the subsurface recharge characteristics through exploratory and monitoring well

drilling, conducting extended pumping and recovery tests of proposed production wells and, potentially, developing a numerical model for evaluating the "safe yield" of the sand and gravel aquifers.

VIII. CONCLUSIONS / RECOMMENDATIONS FOR GROUNDWATER DEVELOPMENT IN THE CITY OF PORTSMOUTH STUDY AREA

The results of EGGI's Phase I investigation indicate that the development of additional groundwater resources is achievable within the Portsmouth Study Area. The development of these new water resources will serve to meet anticipated future water supply needs of the City of Portsmouth.

Based on the results of our exploration program, 30 proposed Groundwater Development Zones have been identified for further investigation (Figures 4, 5, and 6 and Plates 1, 2, 3, and 4). Of these, 17 Zones encompass areas being underlain by potentially significant Bedrock Aquifers, and 13 Zones are underlain by potentially favorable Sand and Gravel Aquifers. The numerical rankings of these Zones were based on the hydrogeologic setting and recharge potential within each Zone. Additional detailed site-specific assessments will be required to evaluate whether groundwater treatment for brackish/salt water intrusion and/or anthropogenic contaminants will be required at specific wells sites, and whether this treatment will be more cost effective than developing additional groundwater resources in areas without such "potential" treatment issues.

It is very difficult, if not impossible, to predict the ultimate yields of wells targeted for drilling, or even the total capacity of a selected Groundwater Development Zone to produce water, prior to subsurface investigations (i.e., geophysical surveys, test well drilling, and/or long-term pumping yield tests). ***However, based upon our combined experiences and the hydrogeological data we have collected and evaluated during this Phase I study, we believe that the potential exists for the development of a combined total of 1.5 to 3.0+ million gallons per day (MGD) of groundwater from selected fractured Bedrock and Sand and Gravel Aquifers within the Portsmouth Study Area.***

Therefore, it is recommended that the City of Portsmouth proceed with the groundwater investigation by conducting the following phases of work:

Phase II – Conduct geophysical surveys and additional geologic mapping to identify exploratory test wells within selected Groundwater Development Zones.

Phase III – Drill exploratory test wells and perform preliminary yield and water quality testing.

Phase IV – Convert the most favorable exploratory test wells into larger-diameter Production Wells and submit a preliminary hydrogeologic report to the NHDES.

Phase V – Conduct extended pumping test(s) to determine sustainable yield and water quality of potential production wells.

Phase VI – Submit a final hydrogeologic report to the NHDES in order to obtain groundwater withdrawal permit(s).

It should be recognized that EGGI's exploration efforts have been restricted to evaluating only "above" surface (aerial platforms) and "ground" surface hydrogeologic information. The results of subsurface investigations, such as geophysical surveys and test well drilling, may ultimately support increases/decreases in groundwater production capacity for the Study Area. In addition, the results of Phase II investigations may serve to modify the ranking of some Groundwater Development Zones and/or our estimate of groundwater production capacity for the Study Area.

Once available lands are identified, and the City of Portsmouth has prioritized exploration zones based on system demands (i.e., high pressure areas, etc.), EGGI will prepare a recommended scope of services for each of the selected Groundwater Development Zones so that further exploration efforts can continue. It is likely that EGGI will recommend the use of geophysical surveys, coupled with exploratory test well drilling, in certain potential Aquifer areas. The extent that surveys and drilling can be completed will be dependent on gaining permission from property owners within the specific areas of interest.

IX. LIMITATIONS

EGGI has collected and evaluated the available technical data according to professionally accepted scientific standards. The recommendations provided herein represent EGGI's professional opinion based upon the hydrogeologic data collected and do not constitute a warranty written or implied.

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Figures

FIGURE 1

Topographic Setting
Location of Existing Municipal Wells

City of Portsmouth, New Hampshire
Groundwater Exploration Study Area

Barrington
Rollinsford
Madbury
Dover
Lee
Durham
Newington
Newmarket
New Castle
Greenland
Portsmouth
Rye
Stratham
North Hampton
MAINE

Madbury Well 4
Madbury Well 3
Madbury Well 2
Madbury Well 1
HAVEN WELL
HARRISON WELL
SMITH WELL
COLLINS WELL
PORTSMOUTH WELL #1
GREENLAND WELL

Map Extent

Wells Operated by City of Portsmouth
- Portsmouth Groundwater Supply Wells
- Pease Groundwater Supply Wells

Portsmouth Water Pipelines
DIAMETER (inches)
- 10- 13
- 14 - 24
- Regional Groundwater Study Area
- Town/City Boundary

N

Scale is 1:90,000
1 inch equals 7,500 feet

0 0.5 1 2 3 4 Kilometers
0 0.5 1 2 3 Miles

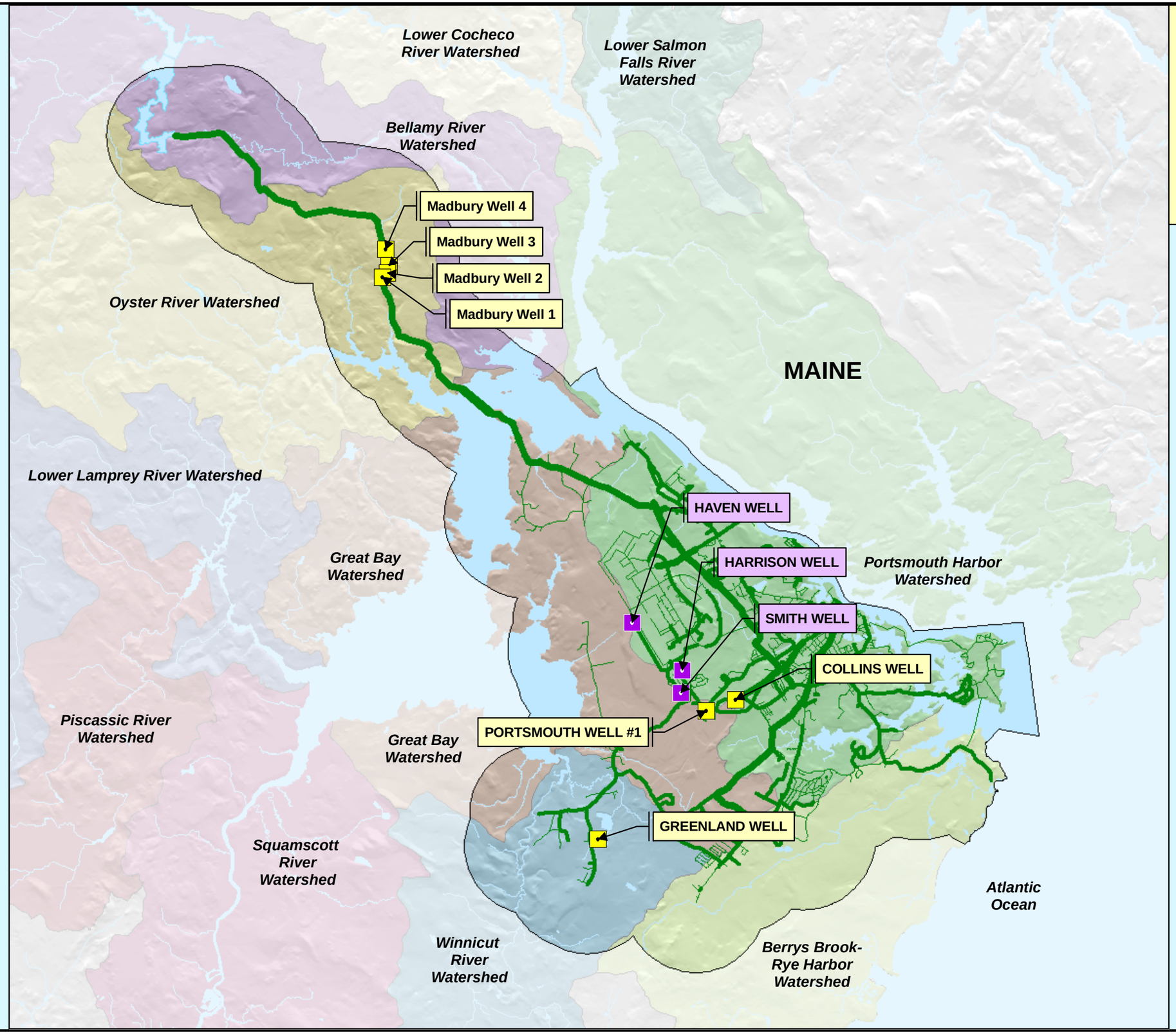
FIGURE 1

Emery & Garrett Groundwater, Inc.

FIGURE 2

Regional Watersheds

City of Portsmouth, New Hampshire
Groundwater Exploration Study Area



Wells Operated by City of Portsmouth

- Portsmouth Groundwater Supply Wells
- Pease Groundwater Supply Wells

Portsmouth Water Pipelines

DIAMETER (inches)

- 6 and 8
- 10 to 14
- 16 to 24

Watershed delineation obtained from NH GRANIT GIS database of HUC-12 Watersheds

N

Scale is 1:90,000
1 inch equals 7,500 feet

0 0.5 1 2 3 4 Kilometers

0 0.5 1 2 3 Miles

FIGURE 2

Emery & Garrett Groundwater, Inc.

Tables

Table I
Well Information - City of Portsmouth Groundwater Production Wells
(Data Source - Portsmouth New Hampshire Water Supply Master Plan, 2003)

Well	Year Installed	Well Diameter (inches)	Screen Setting (Depth below ground surface) (feet)	Year Well was Redeveloped	Post Development Specific Capacity (gpm/foot)
Haven Well	1955			2002	380.2
Pease/Portsmouth Aquifer Wells					
Harrison[1]	2002	10	34-44	--	19.4
Collins	1988	24	36-44	2000	52.1
Portsmouth #1	--	24	35-61	2001	67.4
Smith[2]	1958	18	55-65	2000	83.7
Madbury Wellfield					
Madbury No. 1[3]	1950's	24	--	--	--
Madbury No. 2[4]	1950's	24	33-48	1999	52.6
Madbury No. 3[6]	1950's	24	45.5-65.5	2000	60.0
Madbury No. 4[7]	1950's	24	75.5-95.5	2000	37.7
Greenland Well[5]	1967	10	50-60	1980s	248.5

(1) Pilot production well.
(2) Well used for potable and golf course irrigation.
(3) Off line in 1980's due to poor performance and declining water levels.
(4) Off line in 2002 due to MTBE detection; pump at 75 gpm for 6 hours per day.
(5) Originally installed in 1944.

Table II
Production and Water Quality Information - City of Portsmouth Groundwater Production Wells
(Data Source - Portsmouth New Hampshire Water Supply Master Plan, 2003)

Well	Hydraulic Capacity (gpm)	Estimated Maximum Withdrawal (gpm)	Estimated Average Safe Yield (gpm)	Estimated Average Safe Yield (mgy)	Current Production Rate (gpm)	NHDES Yield (gpm)	Water Quality Concerns
Haven Well[1]	9,292	500	534	280	300	880	Nitrates, VOCs, Petroleum Hydrocarbons
Pease/Portsmouth Aquifer Wells							
Harrison[2]	310	0	134	70	0	300	MTBE and Catastrophic Spills
Collins	1,717	450	153	80	175	450	Nitrates and Catastrophic Spills
Portsmouth #1	680	450	227	119	317	400	MTBE and Catastrophic Spills
Smith[3]	2,041	525	163	86	60	525	Nitrates and Catastrophic Spills
Subtotal	4,748	1,425	677	356	552	1,675	
Madbury Wellfield							
Madbury No. 1[4]	Well Not Currently In Operation					0	--
Madbury No. 2[5]	210	210	19	10	--	300	MTBE
Madbury No. 3[6]	240	350	139	73	--	350	MTBE
Madbury No. 4[7]	1,402	425	185	97	--	425	MTBE and Iron
Subtotal	1,852	985	559	294	1,035	1,075	
Greenland Well[8]	994	425[10]	460[9]	242	367	450	Catastrophic Spills
Total	16,886	3,335	2,230	1,172	2,261	4,080	

(1) Withdrawal limited to 300 gpm per agreement between City of Portsmouth and Pease Development Authority.
(2) Pilot production well.
(3) Well used for potable and golf course irrigation.
(4) Off line in 1980's due to poor performance and declining water levels.
(5) Off line in 2002 due to MTBE detection; pump at 75 gpm for 6 hours per day.
(6) Pump at 208 gpm for 16 hours per day.
(7) Pump at 278 gpm for 16 hours per day.
(8) Originally installed in 1944.
(9) Recommended safe yield of 400 gpm per EGGI (2007).
(10) Recommended maximum yield of 550 gpm per EGGI (2007).

Table III
City of Portsmouth Water System Summary Data
(Data Source - Portsmouth New Hampshire Water Supply Master Plan, 2003)

Well	Averge Production Capacity			Maximum Production Capacity		
	Existing		Future	Existing	Potential	Future
	Drought (mgd)	Non-Drought (mgd)	ground surface (mgd)	(mgd)	(mgd)	(mgd)
Bellamy Reservoir/Madbury Treatment	4.3	> 8.0	> 4.3	4	4	5*
Haven Well	0.8	0.8	0.8	1.2	2.1	2.1
Pease/Portsmouth Aquifer Wells						
Harrison	0.2	0.2	0.2	0	0.3	0.6
Collins	0.2	0.2	0.2	0.6	0.6	0.6
Portsmouth #1	0.3	0.3	0.3	0.6	0.6	0.6
Smith	0.2	0.2	0.2	0.7	0.7	0.7
Madbury Wellfield						
Madbury No. 2				0.3		
Madbury No. 3	0.8	0.8	0.8	0.5	1	1
Madbury No. 4				0.6		
Greenland Well	0.6**	0.6**	0.6**	0.8**	0.8**	0.8**
New Groundwater Wells	0	0	1.5	0	0	1.5
Total	7.4	> 11.1	> 8.9	9.3	10.1	12.9

* Based on recent estimates (pers. Comm. M. Metcalf, Underwood Engineers 6/5/09)

** Based on EGGI 2007 assessment

Table IV
Information for Public Water Supply Wells Within Study Area
(Data Source - NHDES - Public Water Supply Wells; January 2009)

Active Public Water Supply Wells									
DESID	SYSTEM ID	PWSID	NAME	TOWN	POPULATION SERVED	WELL TYPE	WELL DEPTH (feet)	YIELD (gpm)	NHDES PERMIT VOLUME
Community Wells									
848	2041010	2041010-001	RYE WATER DISTRICT	RYE	3900	GRAVEL PACK	49	365	
852	1951010	1951010-003	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000	GRAVEL PACK	0	450	
995	2043010	2043010-003	ADAMS MOBILE HOME PARK	RYE	158	BEDROCK	110	15	
997	2043010	2043010-002	ADAMS MOBILE HOME PARK	RYE	158	BEDROCK	250	15	
1546	0692010	0692010-001	JOHNSON CREEK	DURHAM	50	BEDROCK	310	60	
1547	0692010	0692010-002	JOHNSON CREEK	DURHAM	50	BEDROCK	390	75	
1622	0651010	0651010-006	CITY OF DOVER WATER DEPT	DOVER	28000	GRAVEL PACK	107	350	
2603	1951010	1951010-008	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000	GRAVEL PACK		425	
2604	1951010	1951010-007	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000	GRAVEL PACK		350	
2606	1951010	1951010-006	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000	GRAVEL PACK		300	
2607	1951010	1951010-009	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000				
2608	1951010	1951010-004	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000	GRAVEL PACK		400	
2762	2232060	2232060-001	BALMORAL CONDOS	STRATHAM	105	BEDROCK	140	30	
3014	1951010	1951010-010	PORTSMOUTH WATER WORKS	PORTSMOUTH	33000	GRAVEL PACK		450	
3060	2232080	2232080-001	PHEASANT RUN CONDOS	STRATHAM	70	BEDROCK	107	35	
3061	2232080	2232080-002	PHEASANT RUN CONDOS	STRATHAM	70	BEDROCK	102	27	
3064	2232160	2232160-001	BURNHAVEN	STRATHAM	150	BEDROCK	180	25	
3065	2232160	2232160-002	BURNHAVEN	STRATHAM	150	BEDROCK	160	30	
3362	2232150	2232150-001	ABERDEEN /WEST	STRATHAM	46	BEDROCK	200	18	
3363	2232150	2232150-002	ABERDEEN /WEST	STRATHAM	46	BEDROCK	260	17	
5077	0651010	0651010-005	CITY OF DOVER WATER DEPT	DOVER	28000	GRAVEL PACK	114	500	
5079	0651010	0651010-007	CITY OF DOVER WATER DEPT	DOVER	28000	GRAVEL PACK	101	600	
5837	0651010	0651010-015	CITY OF DOVER WATER DEPT	DOVER	28000	GRAVEL PACK	175	600	864000
Non-Transient Non-Community Wells									
27	1458010	1458010-002	KIDS N MORE DAYCARE	MADBURY	74	BEDROCK	720	10	
468	1455010	1455010-002	MOHARIMET SCHOOL	MADBURY	425	BEDROCK	200	20	
469	1455010	1455010-001	MOHARIMET SCHOOL	MADBURY	425	BEDROCK	775	15	
862	1951020	1951020-001	PEASE TRADE PORT	PORTSMOUTH	3000	GRAVEL PACK	67	525	
863	1951020	1951020-002	PEASE TRADE PORT	PORTSMOUTH	3000	GRAVEL PACK	66	880	
1004	1956010	1956010-001	HIGH LINER FOODS INC /USA	PORTSMOUTH	225	GRAVEL PACK	55	350	
1604	2235060	2235060-001	CORNERSTONE SCHOOL	STRATHAM	167	BEDROCK	175	60	
1635	1456010	1456010-001	ELLIOTT ROSE COMPANY/ MADBURY	MADBURY	15	BEDROCK	280	11	
4054	655030	0655030-001	MISS PATTYS DAYCARE	DOVER	36	BEDROCK	233	7	
6511	1951020	1951020-009	PEASE TRADE PORT	PORTSMOUTH	3000	GRAVEL PACK	45	300	
Transient Non-Community Wells									
28	1457030	1457030-001	NEW ENGLAND SPORTS ACADEMY	MADBURY	150	BEDROCK	280	100	
467	1457010	1457010-001	OLD STAGE CAMPGROUND	MADBURY	150	BEDROCK	360	22	
855	2048040	2048040-001	RYE PLACE MOTOR INN	RYE	50				
3253	987010	0987010-001	LIBERTY HILL CAMPING AREA	GREENLAND	145	BEDROCK	164		
3426	2048010	2048010-001	LAGO LONE OAK II	RYE	500	BEDROCK	100		
3646	1457020	1457020-001	TENNIS COOP INC	MADBURY	125	BEDROCK			
4055	989010	0989010-001	UNITED METHODIST CHURCH	GREENLAND	100	BEDROCK			
4412	0987050	0987050-001	BREAKFAST HILL GOLF CLUB	GREENLAND	25	BEDROCK	300	12	
4655	1459010	1459010-001	COTTAGE BY THE BAY	MADBURY	200	BEDROCK	440		
6048	0699010	0699010-001	DURHAM PUBLIC WORKS	DURHAM	40	BEDROCK	720	18	
6140	0699020	0699020-001	DURHAM EVANGELICAL CHURCH	DURHAM	75	BEDROCK			

Table V
Yield Statistics for Bedrock Wells Within Study Area

(Data Source - NHDES - Water Well GIS Database; January 2009)

	Berwick Formation	Breakfast Hill Granite	Elliot Formation	Exeter Diorite	Kittery Formation	Rye Formation
Number of wells	56	62	81	117	284	53
Minimum Yield	1	1	0	0	0	0
Maximum Yield	50	100	200	120	200	450
Average Yield	11	23	22	16	20	38
Median Yield	6	14	15	9	15	20

Table VI
Groundwater Development Zone Characteristics

Zone Name	Formation*	Potential Contaminant Risk	Potential for Inducing Brackish or Salt Water	Approximate Distance to Nearest Water Line
Potential Bedrock Aquifer Zones				
PRD-1	Exeter Diorite	Low	Low to Moderate	400 - 5,000
PRD-2	Kittery Fm	Moderate to High	Low	400 - 3,000
PRD-3	Exeter Diorite/Kittery Fm	Low to Moderate	Moderate to High	0 - 2,000
PRD-4	Kittery Fm/Granite	Low to Moderate	High	500 - 4,300
PRD-5	Granite	Moderate	Low	500 - 3,500
PRD-6	Berwick Fm/Elliot Fm	Low	Low	0 - 2,400
PRD-7	Kittery Fm	Low	Low to Moderate	0 - 3,500
PRD-8	Elliot Fm	Low to Moderate	Low to Moderate	400 - 1,000
PRD-9	Exeter Diorite	Low	High	440 - 4,600
PRD-10	Rye Fm/Granite	Low	High	0 - 1,500
PRD-11	Berwick Fm	Low	Low	0 - 5,200
PRD-12	Rye Fm/Granite	Low	Low	2,800 - 5,900
PRD-13	Exeter Diorite	Moderate	Low	0 - 1,800
PRD-14	Elliot Fm	Low	Low	0 - 3,000
PRD-15	Elliot Fm	Low to Moderate	High	400 - 2,700
PRD-16	Elliot Fm	Moderate to High	High	2,300 - 5,500
PRD-17	Elliot Fm	Moderate to High	High	0 - 2,900
Potential Sand and Gravel Aquifer Zones				
PRD-SG1	Qmwd/Qp	Low	Low	1200- - 4,100
PRD-SG2	Qmwd	Low to Moderate	Low	0 - 800
PRD-SG3	Qmwd/Qps/Qpct	Low to Moderate	Low	1,800 - 4,400
PRD-SG4	Qmwd/Qps/Qpct	Low	Low	0 - 2,000
PRD-SG5	Qmwd/Qp	Moderate	Low	2000 - 5,400
PRD-SG6	Qmwd/Qp	Low	Low	2,470 - 3,200
PRD-SG7	Qmwd	Moderate to High	Low to Moderate	1,550 - 3,500
PRD-SG8	Qmwd/Qp	Low	Low to Moderate	400 - 1,500
PRD-SG9	Qmwd/Qps	Low	Low	400 - 3,200
PRD-SG10	Qmwd/Qps/Qpct	Moderate to High	Moderate to High	0 - 750
PRD-SG11	Qmwd/Qp	Moderate to High	Low	400 - 1,100
PRD-SG12	Qmwd/Qp	Low	Low	3120 - 4,600
PRD-SG13	Qp	Moderate to High	Low	400 - 2,400

* Qmwd- Marine Delta; Qp- Presumpscot Formation;
Qps- Sandy Presumpscot Formation; Qpct; Thin clayey Presumpscot Formation

Appendices

APPENDIX A

DATA FOR EXISTING PUBLIC WATER SUPPLY WELLS, PRIVATE WELLS, AND REGISTERED WATER WITHDRAWALS

Emery & Garrett Groundwater, Inc.

Public Water Supplies

Data Souce: NHDES GIS Database December 2008
Data Shapefile: pws.shp
Legend for database presented in the accompanying NHDES metadata file for Public Water Supplies
Only active PWS Wells are list in table below

DESID	PWSID	DATASOURCE	NAME	TOWN	SOURCE_ACT	SYSTEM_TYP	POPULATION	WELL_TYPE	WELL_DEPTH	SRC_DELIN	WHPA_VOL	YIELD
27	1458010-002	WSEB-GPS/C	KIDS N MORE DAYCARE	MADBURY	A	P	74	BRW	720	DSN	14400	10
28	1457030-001	WSEB-GPS/C	NEW ENGLAND SPORTS ACADEMY	MADBURY	A	N	150	BRW	280		0	100
467	1457010-001	NUS-GPS/C	OLD STAGE CAMPGROUND	MADBURY	A	N	150	BRW	360		0	22
468	1455010-002	NUS-GPS/C	MOHARIMET SCHOOL	MADBURY	A	P	425	BRW	200	W	798	20
469	1455010-001	NUS-GPS/C	MOHARIMET SCHOOL	MADBURY	A	P	425	BRW	775	W	798	15
848	2041010-001	NUS-GPS/C	RYE WATER DISTRICT	RYE	A	C	3900	GPW	49	PH1	647955	365
852	1951010-003	NUS-GPS/C	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000	GPW	0	PH1	754560	450
855	2048040-001	NUS-GPS/C	RYE PLACE MOTOR INN	RYE	A	N	50		0		0	0
862	1951020-001	NUS-GPS/C	PEASE TRADE PORT	PORTSMOUTH	A	P	3000	GPW	67	PH1	449280	525
863	1951020-002	NUS-GPS/C	PEASE TRADE PORT	PORTSMOUTH	A	P	3000	GPW	66	PH1	216000	880
995	2043010-003	NUS-GPS/C	ADAMS MOBILE HOME PARK	RYE	A	C	158	BRW	110	W	6500	15
997	2043010-002	NUS-GPS/C	ADAMS MOBILE HOME PARK	RYE	A	C	158	BRW	250	W	6500	15
1004	1956010-001	NUS-GPS/C	HIGH LINER FOODS INC /USA	PORTSMOUTH	A	P	225	GPW	55	PH1	90000	350
1546	0692010-001	NUS-GPS/C	JOHNSON CREEK	DURHAM	A	C	50	BRW	310	DSN	15000	60
1547	0692010-002	NUS-GPS/C	JOHNSON CREEK	DURHAM	A	C	50	BRW	390	DSN	15000	75
1604	2235060-001	NUS-GPS/C	CORNERSTONE SCHOOL	STRATHAM	A	P	167	BRW	175	PH1	1830	60
1622	0651010-006	NUS-GPS/C	CITY OF DOVER WATER DEPT	DOVER	A	G	28000	GPW	107	PH1	432000	350
1635	1456010-001	NUS-GPS/C	ELLIOTT ROSE COMPANY/ MADBURY	MADBURY	A	P	15	BRW	280	W	360	11
1662	2002040-002	NUS-GPS/C	MEADOWBROOK VILLAGE	ROCHESTER	A	C	40	BRW	400	W	12430	16
2603	1951010-008	NUS-GPS/UC	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000	GPW	0	PH1	576000	425
2604	1951010-007	NUS-GPS/UC	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000	GPW	0	PH1	720000	350
2606	1951010-006	NUS-GPS/UC	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000	GPW	0	PH1	720000	300
2607	1951010-009	NUS-GPS/UC	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000		0	SWI	0	0
2608	1951010-004	NUS-GPS/UC	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000	GPW	0	PH1	446400	400
2762	2232060-001	NUS-GPS/C	BALMORAL CONDOS	STRATHAM	A	C	105	BRW	140	PH1	6300	30
3014	1951010-010	WSEB-GPS/C	PORTSMOUTH WATER WORKS	PORTSMOUTH	A	C	33000	GPW	0	PH1	648000	450
3060	2232080-001	WSEB-GPS/C	PHEASANT RUN CONDOS	STRATHAM	A	C	70	BRW	107	W	4600	35
3061	2232080-002	WSEB-GPS/C	PHEASANT RUN CONDOS	STRATHAM	A	C	70	BRW	102	W	4600	27

3064	2232160-001	WSEB-GPS/C	BURNHAVEN	STRATHAM	A	C	150	BRW	180	PH1	11250	25
3065	2232160-002	WSEB-GPS/C	BURNHAVEN	STRATHAM	A	C	150	BRW	160	PH1	11250	30
3253	0987010-001	WSEB-GPS/C	LIBERTY HILL CAMPING AREA	GREENLAND	A	N	145	BRW	164		0	0
3362	2232150-001	WSEB-GPS/C	ABERDEEN /WEST	STRATHAM	A	C	46	BRW	200	W	9197	18
3363	2232150-002	WSEB-GPS/C	ABERDEEN /WEST	STRATHAM	A	C	46	BRW	260	W	9197	17
3426	2048010-001	WSEB-GPS/C	LAGO LONE OAK II	RYE	A	N	500	BRW	100		0	0
3646	1457020-001	WSEB-GPS/C	TENNIS COOP INC	MADBURY	A	N	125	BRW	0		0	0
4054	0655030-001	WSEB-GPS/C	MISS PATTYS DAYCARE	DOVER	A	P	36	BRW	233	SYV	10080	7
4055	0989010-001	WSEB-GPS/C	UNITED METHODIST CHURCH	GREENLAND	A	N	100	BRW	0		0	0
4412	0987050-001	WSEB-GPS/C	BREAKFAST HILL GOLF CLUB	GREENLAND	A	N	25	BRW	300		0	12
4655	1459010-001	WSEB-GPS/C	COTTAGE BY THE BAY	MADBURY	A	N	200	BRW	440		0	0
5077	0651010-005	WSEB-GPS/C	CITY OF DOVER WATER DEPT	DOVER	A	C	28000	GPW	114	PH1	705600	500
5079	0651010-007	WSEB-GPS/C	CITY OF DOVER WATER DEPT	DOVER	A	C	28000	GPW	101	PH1	576000	600
5837	0651010-015	DES-GPS/C	CITY OF DOVER WATER DEPT	DOVER	A	C	28000	GPW	175		0	600
6048	0699010-001	DES-GPS/C	DURHAM PUBLIC WORKS	DURHAM	A	N	40	BRW	720		0	18
6140	0699020-001	DES-GPS/C	DURHAM EVANGELICAL CHURCH	DURHAM	A	N	75	BRW	0		0	0
6511	1951020-009	DES-GPS/C	PEASE TRADE PORT	PORTSMOUTH	A	P	3000	GPW	45	SYV	236000	300

Public Water Supplies

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20060928
Title: Public Water Supplies
Geospatial_Data_Presentation_Form: vector digital data
Other_Citation_Details:
To obtain this data, please download from the New Hampshire Department of Environmental Services GIS One-Stop Site: <URL:http://www.des.state.nh.us/gis/onestop/>
Online_Linkage:
<URL:http://www.granit.sr.unh.edu/cgi-bin/nhsearch?dset=publicwatersupplies/nh>
Description:
Abstract:
This dataset is a point database representing wells, surface water, or treatment entities that are part of a public water supply system in New Hampshire permitted through the Water Supply Engineering Bureau of NHDES. Public water system is defined under the Federal Safe Drinking Water Act. Initial development of the Public Water Supplies coverage was performed by a private contractor (NUS Corporation) for the U.S. EPA, Region 1 during the summer field season of 1991. Following receipt of the data, the NHDES Water Supply and Pollution Control Division's Water Supply Engineering and Groundwater Protection Bureaus performed substantial quality control/quality assurance. In addition, the Water Supply Engineering Bureau and the Water Resources Division's Water Management Bureau located numerous sources that had been missed during the initial data collection or had subsequently been constructed or discovered. Most of the dataset was acquired by GPS and differentially corrected, however a small amount was acquired with various paper reference maps.
Purpose:
Dataset is used by several programs at NHDES to help maintain other water resources, such as source water protection areas and well head protection areas.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1991
Ending_Date: 2006
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: Monthly
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.587938
East_Bounding_Coordinate: -70.739166
North_Bounding_Coordinate: 45.192053
South_Bounding_Coordinate: 42.695695
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None

Theme_Keyword: Public water supplies
Theme_Keyword: drinking water supplies
Theme_Keyword: wells
Theme_Keyword: surface water supply
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: Upon NHDES Approval
Use_Constraints:
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.
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Pierce Rigrod
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Principal Planner - Water Supply Bureau
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

Data_Quality_Information:
Logical_Consistency_Report:
Positional accuracy is determined using a Trimble Pro XR GPS unit to collect this data which is real time corrected in the field or post corrected in the office with the differential correction application of the Trimble Pathfinder Office software. Attribute information for public water supplies is maintained by the NHDES Water Supply Engineering Bureau.
Completeness_Report:
Older point data, originally obtained by EPA, is being updated with sub-meter GPS technology. Some 1991 point data was not positionally accurate.
Lineage:
Process_Step:
Process_Description:
The majority of the features (90%) were located using GPS equipment; of these, 87% are differentially corrected, 13% are not. Mylar and paper maps at a scale of either 1:24,000 or 1:25,000 were used to compile the non-GPS?d data. Standard GIS quality control methods were used in compiling digital and non-digital data.
Process_Date: 2005
Process_Step:
Process_Description: Dataset copied.
Source_Used_Citation_Abbreviation: M:\gwp30\pws

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 5042

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:

SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: pws
Entity_Type_Definition:
Public water system (PWS) is defined as a system that provides water via piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year.
Entity_Type_Definition_Source: NHDES
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: DESID
Attribute_Definition:
Number field showing internal NHDES feature ID number used for GIS mapping programs.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique internal id defined by NHDES.
Attribute:
Attribute_Label: MASTERID
Attribute_Definition:
A number field showing the NH Department of Environmental Services' master (universal) ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier set by NHDES.
Attribute:
Attribute_Label: PWSID
Attribute_Definition:
A string field showing the combined system-source/entity ID. The first 7-digit number of the Public Water System ID is generated by NHDES's Water Supply Engineering Bureau staff. The three digits following the PWS ID identify sources and/or entities attached to the PWS.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique System - Source Identifier created by NHDES.
Attribute:

Attribute_Label: SYSTEM_ID
Attribute_Definition:
A string field showing the EPA System id or PWSID (7 digit number for system).
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier for system set by EPA.

Attribute:
Attribute_Label: SOURCE
Attribute_Definition: A string field displaying the Source ID.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Source identifier, unique for each system set by NHDES.

Attribute:
Attribute_Label: DATASOURCE
Attribute_Definition:
A text field indicating how the feature location was determined.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DES-DIG
Enumerated_Domain_Value_Definition:
The feature was located on USGS 7.5' Quadrangle, transferred to mylar and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS/C
Enumerated_Domain_Value_Definition: The feature was GPS'd and differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS/UC
Enumerated_Domain_Value_Definition: The feature was GPS'd and was not differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NUS-GPS/C
Enumerated_Domain_Value_Definition: The feature was GPS'd and differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NUS-GPS/UC
Enumerated_Domain_Value_Definition: The feature was GPS'd and was not differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WRD-DIG
Enumerated_Domain_Value_Definition:
The feature was located on USGS 7.5' Quadrangle, transferred to mylar and digitized by the NHDES Water Resources Division.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WSEB-DIG
Enumerated_Domain_Value_Definition:
The feature was located on USGS 7.5' Quadrangle, transferred to mylar and digitized by the NHDES Water Supply and Engineering Bureau.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WSEB-GPS/C
Enumerated_Domain_Value_Definition:
The feature was GPS'd and differentially corrected by NHDES Water Supply and Engineering Bureau.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: TILE_
Attribute_Definition: A number field showing the USGS QUAD Tile.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: USGS Quad

Attribute:
Attribute_Label: NAME
Attribute_Definition: A string field showing the name for the water system.

Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Name as registered with NHDES.
Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: A string field showing the street address for a water system.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Address provided by the water system as registered with NHDES.
Attribute:
Attribute_Label: TOWN
Attribute_Definition:
A string field showing the town within which the water system exists.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Town provided by the water system as registered with NHDES.
Attribute:
Attribute_Label: SYSTEM_ACT
Attribute_Definition: A string field showing the activity status of the system.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: A
Enumerated_Domain_Value_Definition: The system is active.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: I
Enumerated_Domain_Value_Definition: The system is Inactive.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: SYSTEM_TYP
Attribute_Definition: A string field showing the type of water system.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: C
Enumerated_Domain_Value_Definition: Community.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: P
Enumerated_Domain_Value_Definition:
Non-transient, non community (i.e. schools, hospitals, businesses etc.).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: N
Enumerated_Domain_Value_Definition:
Transient, non-community (i.e. hotels, restaurants, campgrounds etc.).
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: POPULATION
Attribute_Definition:
A string field showing the population served by the water system.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Population total provided by water system.
Attribute:
Attribute_Label: SOURCE_ACT
Attribute_Definition:
A string field showing the activity status (use) of the source/entity.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: A
Enumerated_Domain_Value_Definition: The source is Active.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: I
Enumerated_Domain_Value_Definition: The source is no longer used as a PWS source/ entity.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SOURCE_TYP
Attribute_Definition: A string field showing the type of drinking water source.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: G
Enumerated_Domain_Value_Definition: Groundwater
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: S
Enumerated_Domain_Value_Definition: Surface Water
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: E
Enumerated_Domain_Value_Definition: Entity/ treatment facility
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SOURCE_REC
Attribute_Definition: A string field showing the source record code and water type.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Source code set by the Water Supply and Engineering Bureau at NHDES.

Attribute:
Attribute_Label: WELL_TYPE
Attribute_Definition: A string field showing the type of the well.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: ART
Enumerated_Domain_Value_Definition: Artesian well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GRW
Enumerated_Domain_Value_Definition: Gravel Well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: BRW
Enumerated_Domain_Value_Definition: Bedrock Well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: INF
Enumerated_Domain_Value_Definition: Infiltration Well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DUG
Enumerated_Domain_Value_Definition: Dug well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PTW
Enumerated_Domain_Value_Definition: Point well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GPW
Enumerated_Domain_Value_Definition: General packed well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SPR
Enumerated_Domain_Value_Definition: Spring
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: WELL_DEPTH
Attribute_Definition: A number field showing the depth of the well in feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Well depth is supplied from well driller's reports and/ or the water system.
Attribute:
Attribute_Label: SRC_DELIN
Attribute_Definition:
A string field denoting how the protection area around the wells have been delineated.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DEF
Enumerated_Domain_Value_Definition:
(Default 4000 ft circle) Phase I delineation effort produced the max area used.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PH1
Enumerated_Domain_Value_Definition: Phase I delineation based on hydrogeologic data.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MP1
Enumerated_Domain_Value_Definition: Phase I modified by new data.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NW2
Enumerated_Domain_Value_Definition: Phase II delineation completed for a new community well.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DSN
Enumerated_Domain_Value_Definition: Fixed radius based on design flow under system approval.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SYV
Enumerated_Domain_Value_Definition: Fixed radius based on reported safe yield.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: W
Enumerated_Domain_Value_Definition:
Fixed radius based on max daily withdrawal reported under NHDES sampling waiver program.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PS
Enumerated_Domain_Value_Definition:
Fixed radius based on max daily withdrawal reported during a NHDES telephone survey.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NW1
Enumerated_Domain_Value_Definition:
Fixed radius based on permitted production volume approved for a new well.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SWI
Enumerated_Domain_Value_Definition:
Watershed delineation for surface water intake (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).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GSW
Enumerated_Domain_Value_Definition:
Watersheds for wells identified as being under the influence of surface water. Delineation is a combination of groundwater contribution identified using Phase I methodology and the surface water

contribution identified using methodology applied to surface water intakes.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: WHPA_VOL
Attribute_Definition:
A number field showing the maximum extraction rate used to delineate the protection area.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Calculated value.

Attribute:
Attribute_Label: PROVOL
Attribute_Definition:
A number field showing the permitted production volume or amount of water to be extracted from water source.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Value set by NHDES, the production volume is the maximum amount of water that can be extracted from a well over a 24 hr period.

Attribute:
Attribute_Label: YIELD
Attribute_Definition:
A number field showing the yield in GPM for groundwater and MGD for surface sources.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Yield set by NHDES.

Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
Numeric field used to indicate loNumber field showing longitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate Value defining the feature.

Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate Value defining the feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Live Data and Maps
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: Image Map Service
Format_Version_Number: 4.0
Format_Specification: ArcIMS Image Map Service
Format_Information_Content:
A web-based interactive mapping system that accesses an ArcIMS Service.
Transfer_Size: 0.132
Digital_Transfer_Option:

Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/gis/onestop/>
Access_Instructions:
This URL links to a web-based interactive mapping system that runs in Internet Explorer 5.5 and higher.
Fees: No Fee for standard export
Ordering_Instructions:
Please contact NHDES for downloadable version of the data. To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20061114
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Environmental Services
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Tue Nov 14 15:02:55 2006

Yellow Divider Sheet

Water Well Inventory

Data Souce: NHDES GIS Database December 2008
Data Shapefile: wells.shp
Legend for database presented in the accompanying NHDES metadata file for Water Well Inventory

DESID	WELL_	WRB_	ELEV	TOWN	TOTD	BDKD	CASING	YTD	YTQ	SWL	WQ	OB	QC	BDKDelev
8101	45	067.0006	120	DOVER	310.00	2.00	11.00	0.00	0.50	0.00		12	2	118
8105	59	067.0013	80	DOVER	300.00	0.00	40.00	0.00	1.50	0.00			3	80
8119	257	067.0034	120	DOVER	363.00	7.00	40.00	1.00	60.00	0.00		3	2	113
8131	349	067.0050	80	DOVER	102.00	6.00	16.00	1.75	18.00	0.00		2	2	74
8132	348	067.0051	80	DOVER	142.00	11.00	21.00	1.50	15.00	0.00		2	2	69
8136	489	067.0057	80	DOVER	102.00	23.00	27.00	1.50	18.00	0.00		3	2	57
8141	502	067.0063	90	DOVER	282.00	10.00	21.00	1.50	25.00	0.00		1	2	80
8160	718	067.0094	80	DOVER	100.00	12.00	21.00	0.00	30.00	0.00		4	2	68
8166	957	067.0108	89	DOVER	420.00	18.00	61.00	0.00	12.00	0.00		14	2	71
8182	92	067.0154	82	DOVER	220.00	3.00	20.00	0.67	0.00	0.00			2	79
8184	01729	067.0161	105	DOVER	600.00	45.00	92.00	1.00	200.00	0.00	Y	4	2	60
8186		067.0166	94	DOVER	225.00	15.00	28.00	1.00	2.50	0.00		4	2	79
8188	1	067.0171	92	DOVER	205.00	8.00	20.00	1.00	8.00	9.00	Y	12	2	84
8193		067.0184	79	DOVER	345.00	7.00	20.00	1.00	7.00	0.00		2-3	2	72
8195	309	067.0191	102	DOVER	360.00	23.00	50.00	0.50	30.00	20.00		14	2	79
8200		067.0199	111	DOVER	400.00	6.00	20.00	1.00	10.00	30.00		12	2	105
8202	822	067.0202	111	DOVER	500.00	2.50	17.00	0.50	50.00	0.00		1	2	108
8544	30	071.0003	20	DURHAM	124.00	35.00	51.00	1.00	5.00	0.00		4	2	-15
8548	111	071.0008	40	DURHAM	170.00	27.00	40.00	0.00	6.00	0.00		24	2	13
8550	227	071.0014	60	DURHAM	180.00	2.00	21.00	0.00	25.00	0.00		0	2	58
8560	439	071.0036	66	DURHAM	400.00	53.00	63.00	2.00	0.00	0.00		2	2	13
8566	471	071.0049	53	DURHAM	400.00	3.00	20.00	0.00	1.50	0.00		1	2	50
8580	775	071.0089	52	DURHAM	102.00	8.00	40.00	1.00	45.00	0.00		3	2	44
8584	62	071.0098	55	DURHAM	240.00	15.00	41.00	0.17	15.00	0.00		1	2	40
8591		071.0116	31	DURHAM	305.00	6.00	20.00	1.00	7.00	4.00		1	2	25
8592	01155	071.0117	37	DURHAM	123.00	4.00	43.00	1.00	25.00	0.00		2	2	33
8596	201-88	071.0122	42	DURHAM	200.00	28.00	43.00	1.00	20.00	0.00		12	2	14
8612	01430	071.0173	36	DURHAM	402.00	25.00	41.00	1.00	60.00	0.00		3	2	11
8622	468	071.0200	27	DURHAM	140.00	40.00	60.00	0.25	60.00	0.00		4	2	-13
8627	01930	071.0211	54	DURHAM	242.00	0.00	0.00	1.00	50.00	0.00	Y		2	54
8628	610	071.0213	56	DURHAM	440.00	17.00	30.00	0.50	2.00	0.00		4	2	39

8631	3460	071.0220	59	DURHAM	302.00	3.00	20.00	1.00	3.00	0.00	3	2	56
8640	830	071.0260	72	DURHAM	400.00	18.00	34.00	0.50	50.00	0.00	4	2	54
8648		071.0287	58	DURHAM	540.00	8.00	40.00	0.00	3.00	12.00	1	2	50
8657	3706	071.0299	44	DURHAM	300.00	6.00	21.00	0.50	11.00	30.00	3	2	38
8661		071.0309	61	DURHAM	490.00	20.00	40.00	1.00	1.00	0.00	4	2	41
11150	31	099.0002	80	GREENLAND	140.00	30.00	42.00	0.00	8.00	0.00	1	2	50
11151	32	099.0003	80	GREENLAND	365.00	30.00	38.00	0.00	100.00	0.00	1	2	50
11152	37	099.0004	80	GREENLAND	320.00	20.00	30.00	0.00	20.00	0.00	1	2	60
11153	38	099.0005	80	GREENLAND	360.00	22.00	30.00	0.00	5.00	0.00	4	2	58
11154	43	099.0006	90	GREENLAND	120.00	12.00	40.00	0.00	20.00	0.00	3	2	78
11155	63	099.0007	100	GREENLAND	505.00	20.00	30.00	0.00	0.50	0.00	4	2	80
11156	79	099.0009	10	GREENLAND	120.00	60.00	74.00	0.00	20.00	0.00	4	2	-50
11159	55	099.0013	90	GREENLAND	280.00	0.00	42.00	0.00	2.00	0.00		3	90
11160	171	099.0015	120	GREENLAND	100.00	22.00	24.00	0.50	6.00	0.00	2	2	98
11161	271	099.0016	60	GREENLAND	220.00	35.00	40.00	0.00	12.00	0.00	3-4	2	25
11162	118	099.0019	90	GREENLAND	160.00	30.00	42.00	0.00	7.00	0.00	1	2	60
11163	165	099.0020	50	GREENLAND	300.00	10.00	21.00	0.00	2.00	0.00	4	1	40
11164	157	099.0022	20	GREENLAND	240.00	55.00	67.00	0.00	30.00	0.00	4	1	-35
11166	270	099.0024	90	GREENLAND	180.00	62.00	75.00	0.00	25.00	0.00	2	2	28
11168	304	099.0028	10	GREENLAND	102.00	50.00	60.00	1.75	5.00	0.00	2	2	-40
11172	310	099.0033	80	GREENLAND	160.00	12.00	32.00	0.00	20.00	0.00	2	2	68
11174	341	099.0035	10	GREENLAND	102.00	29.00	39.00	1.50	15.00	0.00	2	2	-19
11176	372	099.0037	30	GREENLAND	200.00	23.00	68.00	0.00	6.00	0.00	4-12	2	7
11177	422	099.0040	100	GREENLAND	225.00	20.00	42.00	1.50	2.50	0.00	2	2	80
11179	86-71	099.0042	100	GREENLAND	250.00	6.00	30.00	1.00	5.00	10.00	2	2	94
11180	86-72	099.0043	90	GREENLAND	300.00	10.00	41.00	1.00	6.00	8.00	2	2	80
11181	233	099.0044	20	GREENLAND	150.00	50.00	60.00	0.50	30.00	5.00	4	3	-30
11182	231	099.0046	20	GREENLAND	150.00	53.00	63.00	0.50	30.00	10.00	4	3	-33
11183	212	099.0047	40	GREENLAND	205.00	30.00	40.00	0.50	20.00	12.00	4	3	10
11185	477	099.0050	100	GREENLAND	220.00	70.00	87.00	0.00	6.50	0.00	4-2	2	30
11187	498	099.0052	20	GREENLAND	142.00	20.00	21.00	0.00	6.00	0.00	4	2	0
11188	526	099.0055	10	GREENLAND	260.00	18.00	30.00	0.00	8.00	0.00	1-4	2	-8
11190	520	099.0057	30	GREENLAND	120.00	16.00	21.00	0.00	20.00	0.00	3	2	14
11191	536	099.0058	20	GREENLAND	140.00	50.00	68.00	0.00	6.50	0.00	1-4	2	-30
11195	719	099.0065	20	GREENLAND	142.00	51.00	59.00	0.50	20.00	0.00	1-12	2	-31
11196	59-89	099.0066	126	GREENLAND	175.00	41.00	61.00	0.25	30.00	30.00	1-3-4	2	85
11197	717	099.0067	90	GREENLAND	162.00	16.00	21.00	0.50	0.00	0.00	1	2	74

11198	716	099.0068	90	GREENLAND	162.00	78.00	84.00	1.00	6.00	0.00	1	2	12
11199	715	099.0069	90	GREENLAND	162.00	20.00	28.00	0.75	4.00	0.00	1	2	70
11201	712	099.0073	90	GREENLAND	325.00	17.00	21.00	0.75	7.00	0.00	1	2	73
11202	713	099.0074	90	GREENLAND	145.00	50.00	51.00	0.50	0.25	0.00	1-12	2	40
11203	714	099.0075	90	GREENLAND	150.00	18.00	24.00	0.50	7.00	0.00	1	2	72
11207		099.0080	20	GREENLAND	260.00	45.00	60.00	1.00	10.00	0.00	4	2	-25
11209	3082	099.0082	20	GREENLAND	405.00	25.00	43.00	1.00	5.00	20.00	24	2	-5
11211	87-36	099.0084	90	GREENLAND	500.00	0.00	0.00	1.00	4.00	0.00		2	90
11212	87-66	099.0087	90	GREENLAND	550.00	65.00	81.00	1.00	2.50	0.00	2-4-2	2	25
11213	87-29	099.0088	90	GREENLAND	500.00	40.00	54.00	1.00	4.00	0.00	1-3-2	2	50
11214	87-41	099.0089	90	GREENLAND	405.00	10.00	28.00	1.00	25.00	0.00	2	2	80
11215	87-40	099.0090	80	GREENLAND	200.00	5.00	25.00	1.00	30.00	0.00	2	2	75
11216	87-38	099.0092	80	GREENLAND	450.00	20.00	33.00	1.00	7.00	0.00	2-3	2	60
11217	87-35	099.0093	90	GREENLAND	425.00	45.00	60.00	1.00	5.00	0.00	2-3	2	45
11218	87-33	099.0097	80	GREENLAND	275.00	0.00	60.00	1.00	40.00	0.00		2	80
11219	87-30	099.0099	90	GREENLAND	500.00	8.00	21.00	1.00	3.00	0.00	1	2	82
11223	654	099.0104	20	GREENLAND	142.00	25.00	63.00	0.00	100.00	0.00	4	2	-5
11225	120-87	099.0106	91	GREENLAND	225.00	45.00	61.00	1.00	50.00	0.00	12	2	46
11226	119-87	099.0107	91	GREENLAND	400.00	35.00	61.00	1.00	6.00	0.00	12	2	56
11227	118-87	099.0108	91	GREENLAND	250.00	40.00	62.00	1.00	20.00	0.00	12	2	51
11228	682	099.0109	109	GREENLAND	80.00	20.00	37.00	0.00	30.00	0.00	2	2	89
11232	690	099.0113	75	GREENLAND	240.00	45.00	53.00	0.00	6.00	0.00	12	2	30
11234	207-87	099.0116	88	GREENLAND	400.00	30.00	41.00	1.00	20.00	0.00	23	1	58
11235	208-87	099.0117	83	GREENLAND	300.00	26.00	41.00	1.00	10.00	0.00	12	1	57
11240	860	099.0123	91	GREENLAND	275.00	35.00	45.00	0.00	10.00	0.00	2	2	56
11241	859	099.0124	86	GREENLAND	250.00	30.00	40.00	0.00	30.00	0.00	2	2	56
11242	2260	099.0125	91	GREENLAND	345.00	40.00	50.00	1.00	1.00	20.00	2	2	51
11243	105-88	099.0127	91	GREENLAND	450.00	6.00	21.00	1.00	6.00	0.00	12	1	85
11244	922	099.0128	86	GREENLAND	240.00	63.00	70.00	0.00	10.00	0.00	12	2	23
11247	927	099.0131	88	GREENLAND	715.00	20.00	40.00	0.00	1.00	0.00	12	2	68
11248	148-88	099.0135	65	GREENLAND	275.00	63.00	78.00	1.00	15.00	0.00	14	2	2
11249	147-88	099.0136	48	GREENLAND	300.00	50.00	65.00	1.00	8.00	0.00	5	2	-2
11250	149-88	099.0137	55	GREENLAND	300.00	50.00	65.00	1.00	10.00	0.00	124	2	5
11251	224-88	099.0138	85	GREENLAND	200.00	26.00	41.00	1.00	25.00	0.00	14	2	59
11253	5-89	099.0140	90	GREENLAND	275.00	26.00	41.00	1.00	10.00	0.00	124	2	64
11256	33	099.0145	90	GREENLAND	240.00	40.00	49.00	0.00	9.00	0.00	12	2	50
11257	36	099.0146	67	GREENLAND	200.00	31.00	42.00	0.00	20.00	0.00	2	2	36

11261	110	099.0154	49	GREENLAND	200.00	55.00	68.00	0.00	10.00	0.00		12	2	-6
11262	137	099.0156	6	GREENLAND	320.00	6.00	17.00	0.00	3.00	0.00		4	2	0
11264	169	099.0159	90	GREENLAND	240.00	20.00	34.00	1.00	5.00	0.00		2	2	70
11265	166	099.0160	79	GREENLAND	180.00	26.00	38.00	0.00	6.00	0.00		2	2	53
11266	184	099.0162	31	GREENLAND	220.00	30.00	41.00	0.50	12.00	0.00		4	2	1
11267	2000	099.0163	85	GREENLAND	302.00	28.00	40.00	0.75	4.00	0.00		12	2	57
11268	199	099.0165	98	GREENLAND	240.00	56.00	68.00	0.50	7.00	0.00		2	2	42
11270	238	099.0170	99	GREENLAND	220.00	28.00	40.00	0.50	20.00	0.00		12	2	71
11271	61	099.0171	81	GREENLAND	610.00	19.00	30.00	1.00	50.00	0.00		4	2	62
11278		099.0185	91	GREENLAND	106.00	30.00	40.00	0.75	15.00	10.00		12	2	61
11279		099.0186	62	GREENLAND	107.00	26.00	36.00	0.75	12.00	2.00		2	2	36
11280		099.0187	64	GREENLAND	115.00	25.00	40.00	0.75	11.00	3.00		2	2	39
11281	341	099.0189	78	GREENLAND	220.00	48.00	51.00	0.50	15.00	0.00		2	2	30
11282		099.0190	75	GREENLAND	76.00	8.00	20.00	0.75	20.00	5.00		12	2	67
11283		099.0191	68	GREENLAND	87.00	18.00	37.00	0.75	19.00	3.00		12	2	50
11284		099.0192	84	GREENLAND	445.00	25.00	40.00	1.00	15.00	0.00		12	2	59
11285		099.0193	74	GREENLAND	86.00	4.00	20.00	0.75	15.00	4.00		2	2	70
11289	01707	099.0200	88	GREENLAND	264.00	30.00	71.00	1.00	50.00	0.00	Y	1-4-6	2	58
11290		099.0201	85	GREENLAND	83.00	26.00	38.00	0.75	30.00	13.00		12	2	59
11291	2799	099.0202	43	GREENLAND	322.00	53.00	63.00	1.00	4.00	0.00		4	2	-10
11292	2754	099.0203	59	GREENLAND	182.00	68.00	78.00	0.42	50.00	0.00		4	2	-9
11294	477	099.0207	18	GREENLAND	140.00	50.00	85.00	0.25	100.00	0.00		4	2	-32
11295	83	099.0210	89	GREENLAND	200.00	48.00	70.00	1.00	10.00	0.00		4	2	41
11296	4	099.0215	105	GREENLAND	245.00	25.00	43.00	1.00	20.00	8.00	Y	4	2	80
11301	114	099.0223	20	GREENLAND	120.00	63.00	73.00	4.00	20.00	12.00	Y	4	2	-43
11309	3543	099.0234	79	GREENLAND	322.00	7.00	20.00	0.91	2.00	0.00		3	2	72
11311		099.0238	86	GREENLAND	220.00	35.00	48.00	1.00	50.00	0.00		12	2	51
11312	716	099.0239	100	GREENLAND	200.00	30.00	44.00	0.50	12.00	0.00		24	2	70
11318	768	099.0251	17	GREENLAND	100.00	50.00	68.00	0.50	20.00	0.00		4	2	-33
11322	3801	099.0262	94	GREENLAND	122.00	10.00	20.00	0.75	20.00	21.00		2	2	84
11332	893	099.0278	19	GREENLAND	220.00	53.00	68.00	0.50	10.00	0.00		4	1	-34
11334	931	099.0282	78	GREENLAND	400.00	65.00	81.00	0.50	100.00	0.00		2	1	13
11342		099.0292	33	GREENLAND	425.00	48.00	63.00	1.00	2.50	30.00		4	1	-15
11347	1058	099.0302	67	GREENLAND	360.00	30.00	50.00	0.50	20.00	0.00		2	2	37
11361		099.0320	19	GREENLAND	240.00	55.00	70.00	0.00	6.00	0.00		4	2	-36
11362	05599W	099.0322	63	GREENLAND	180.00	41.00	80.00	1.00	60.00	13.00		3	2	22
11367	1061	099.0332	102	GREENLAND	500.00	13.00	30.00	0.50	2.00	0.00		2	2	89

11368	1072	099.0333	21	GREENLAND	320.00	12.00	40.00	0.50	10.00	0.00	2	2	9
11369	1052	099.0335	101	GREENLAND	300.00	6.00	30.00	0.50	60.00	0.00	2	2	95
11374	1072	099.0341	102	GREENLAND	500.00	25.00	40.00	0.50	1.50	0.00	2	2	77
11376	1047	099.0343	11	GREENLAND	200.00	65.00	80.00	0.50	10.00	0.00	4	2	-54
16813	6	148.0001	140	MADBURY	400.00	8.00	40.00	0.00	10.00	10.00		3	132
16816	308	148.0005	170	MADBURY	300.00	2.00	10.00	1.75	1.50	0.00	2	2	168
16820	60	148.0010	190	MADBURY	50.00	0.00	20.00	0.00	22.00	0.00		3	190
16821	121	148.0011	100	MADBURY	622.00	90.00	101.00	4.00	4.00	50.00	3	2	10
16823	54	148.0015	180	MADBURY	155.00	3.00	20.00	0.02	4.00	10.00	2	1	177
16825	161	148.0017	90	MADBURY	360.00	42.00	54.00	0.00	20.00	0.00	1-4-2	2	48
16830	279	148.0023	80	MADBURY	160.00	62.00	72.00	1.50	8.00	0.00	2	2	18
16831	277	148.0025	170	MADBURY	142.00	3.00	10.00	1.25	5.00	0.00	2	2	167
16833	298	148.0028	160	MADBURY	180.00	4.00	12.00	1.50	4.00	0.00	2	3	156
16834	297	148.0029	170	MADBURY	160.00	6.00	16.00	1.50	3.00	0.00	2	3	164
16836	344	148.0031	160	MADBURY	300.00	11.00	21.00	1.50	0.50	0.00	2	2	149
16837	304	148.0032	160	MADBURY	182.00	2.00	31.00	0.50	8.50	30.00	3	1	158
16838	363	148.0034	170	MADBURY	302.00	20.00	37.00	1.00	3.50	20.00	1	2	150
16844	632	148.0041	160	MADBURY	100.00	10.00	20.00	0.25	30.00	15.00		2	150
16845	409	148.0043	170	MADBURY	323.00	15.00	40.00	1.00	4.00	0.00	3	2	155
16846	410	148.0044	100	MADBURY	362.00	11.00	21.00	1.50	7.00	0.00	2	2	89
16848	422	148.0046	150	MADBURY	203.00	8.00	20.00	1.00	20.00	20.00	3	2	142
16855	529	148.0055	170	MADBURY	481.00	15.00	30.00	1.00	2.50	12.00	1-3	1	155
16857	528	148.0057	160	MADBURY	341.00	6.00	20.00	1.00	4.00	0.00	3	2	154
16858	532	148.0058	120	MADBURY	345.00	75.00	85.00	0.00	25.00	0.00	1-4	2	45
16862	674	148.0064	180	MADBURY	242.00	78.00	84.00	0.50	3.00	0.00	1	2	102
16864	194	148.0066	170	MADBURY	240.00	7.00	20.00	1.00	15.00	0.00	3	2	163
16865	615	148.0067	100	MADBURY	480.00	55.00	71.00	1.00	12.00	0.00	1-4	2	45
16866	658	148.0068	150	MADBURY	303.00	3.00	33.00	1.00	15.00	20.00	3	2	147
16868	917	148.0072	153	MADBURY	382.00	110.00	120.00	0.50	15.00	0.00	4	2	43
16870	679	148.0074	178	MADBURY	600.00	10.00	20.00	0.00	4.00	0.00	1	2	168
16872	00968	148.0084	201	MADBURY	303.00	20.00	91.00	1.00	20.00	0.00	12-6	2	181
16873	2731	148.0086	155	MADBURY	270.00	11.00	21.00	1.00	20.00	15.00	4	3	144
16874	846	148.0088	179	MADBURY	775.00	9.00	26.00	0.00	12.00	0.00	3	2	170
16876	053-89	148.0096	109	MADBURY	300.00	40.00	41.00	0.00	3.00	0.00	124	2	69
16877	1319	148.0098	151	MADBURY	302.00	10.00	21.00	1.25	5.00	0.00	2	3	141
16880	01314	148.0104	179	MADBURY	362.00	12.00	41.00	1.00	20.00	0.00	3	2	167
16882	01385	148.0108	113	MADBURY	425.00	4.00	40.00	1.00	9.00	0.00	3	2	109

16884	2029	148.0110	168	MADBURY	382.00	10.00	20.00	0.50	4.00	0.00		3	2	158
16885	44	148.0112	109	MADBURY	300.00	65.00	83.00	0.58	4.00	0.00		124	2	44
16887	2415	148.0119	157	MADBURY	222.00	4.00	14.00	0.58	5.00	0.00		3	2	153
16888	01724	148.0127	191	MADBURY	243.00	2.00	91.00	1.00	50.00	25.00	Y	3	2	189
16889	01827	148.0130	180	MADBURY	363.00	15.00	71.00	1.00	8.00	0.00		2	2	165
16890	2	148.0132	191	MADBURY	425.00	9.00	20.00	1.00	1.50	6.00		4	2	182
16891	3262	148.0135	164	MADBURY	255.00	8.00	20.00	1.00	10.00	0.00		3	2	156
16892	3370	148.0136	155	MADBURY	182.00	9.00	20.00	1.25	20.00	0.00		3	3	146
16893		148.0139	159	MADBURY	220.00	56.00	70.00	1.00	20.00	0.00		13	2	103
16894		148.0145	92	MADBURY	440.00	72.00	80.00	1.00	5.50	0.00		1-4	2	20
16896	2863	148.0148	155	MADBURY	240.00	5.00	21.00	0.00	12.00	16.00		2	2	150
16897	02406	148.0149	28	MADBURY	363.00	45.00	81.00	1.00	9.00	60.00	Y	3-6	1	-17
16898	02445	148.0150	32	MADBURY	203.00	45.00	61.00	1.00	25.00	10.00	Y	3-4	1	-13
16899	9761	148.0153	167	MADBURY	220.00	18.00	34.00	1.00	7.00	0.00		12	1	149
16900		148.0156	94	MADBURY	720.00	100.00	120.00	30.00	20.00	10.00		24	1	-6
16901	02547	148.0157	58	MADBURY	343.00	6.00	61.00	1.00	15.00	47.00	Y	3	2	52
16902	4320	148.0158	165	MADBURY	280.00	22.00	40.00	2.00	8.00	9.00		2	Y	143
16904	1040	148.0161	143	MADBURY	300.00	3.00	34.00	0.50	30.00	0.00		2	2	140
16905	3735	148.0163	213	MADBURY	340.00	4.00	21.00	0.50	15.00	20.00		12	2	209
19375	445	173.0002	40	NEWINGTON	102.00	35.00	42.00	0.75	20.00	0.00		2	3	5
19376	871	173.0007	54	NEWINGTON	140.00	10.00	21.00	0.00	0.25	0.00		4	2	44
19379		173.0013	32	NEWINGTON	205.00	30.00	36.00	1.00	10.00	0.00		4	2	2
19380	3962	173.0031	32	NEWINGTON	202.00	10.00	20.00	1.00	0.00	0.00		4	2	22
19381	1045	173.0035	38	NEWINGTON	140.00	15.00	40.00	0.50	5.00	0.00		2	2	23
19826	230	180.0005	100	NORTH HAMPTON	140.00	9.00	21.00	0.00	50.00	0.00		2	1	91
21825	252	198.0004	40	PORTSMOUTH	120.00	4.00	21.00	0.00	20.00	0.00		6	2	36
21827	154	198.0009	76	PORTSMOUTH	1200.00	12.00	25.00	0.00	18.00	0.00		2	2	64
21828	214	198.0010	10	PORTSMOUTH	193.00	10.00	27.00	0.50	8.00	0.00		4	2	0
21829	215	198.0011	10	PORTSMOUTH	120.00	6.00	17.00	0.50	2.00	0.00		4	2	4
21830	260	198.0013	50	PORTSMOUTH	420.00	4.00	17.00	0.50	3.00	0.00		2	2	46
21831	302	198.0014	39	PORTSMOUTH	300.00	4.00	17.00	0.50	100.00	0.00		12	2	35
21832	2432	198.0015	39	PORTSMOUTH	102.00	3.00	20.00	0.50	35.00	9.00		3	2	36
21833	2574	198.0016	40	PORTSMOUTH	202.00	0.25	14.00	15.00	15.00	0.00		2	2	40
21834	2559	198.0017	39	PORTSMOUTH	120.00	6.00	20.00	0.33	25.00	0.00		3	2	33
21835		198.0018	52	PORTSMOUTH	89.00	8.00	30.00	0.75	30.00	13.00		3	2	44
21836	01711	198.0020	46	PORTSMOUTH	204.00	8.00	41.00	1.00	50.00	0.00	Y	3	2	38
21837	388	198.0021	39	PORTSMOUTH	300.00	4.00	7.00	0.50	7.00	0.00		4	2	35

21838	389	198.0022	76	PORTSMOUTH	260.00	12.00	22.00	0.50	65.00	0.00		2	2	64
21839	2	198.0023	39	PORTSMOUTH	305.00	4.50	82.00	2.00	100.00	26.00		2	2	34
21840	3182	198.0025	39	PORTSMOUTH	160.00	5.00	20.00	1.00	40.00	0.00		3	2	34
21841	3034	198.0026	39	PORTSMOUTH	102.00	2.00	20.00	1.00	15.00	0.00		3	2	37
21842		198.0028	39	PORTSMOUTH	185.00	8.00	20.00	0.75	10.00	0.00		3	2	31
21845	983	198.0039	74	PORTSMOUTH	500.00	27.00	30.00	0.50	30.00	0.00		4	1	47
22580	12	207.0001	100	RYE	215.00	17.00	63.00	0.00	50.00	0.00		2	2	83
22583	48	207.0004	100	RYE	80.00	8.00	30.00	0.00	20.00	0.00		4	3	92
22586	481	207.0008	40	RYE	160.00	30.00	40.00	0.00	100.00	0.00		1-4	2	10
22614	677	207.0046	82	RYE	140.00	50.00	68.00	0.50	100.00	0.00		2	2	32
22622	827	207.0057	106	RYE	460.00	55.00	68.00	0.50	60.00	0.00		2	2	51
22627	2475	207.0065	33	RYE	143.00	40.00	92.00	1.00	25.00	30.00	Y	3	1	-7
27295	70	067.0014	80	DOVER	87.00	0.00	7.00	0.00	10.00	0.00			3	80
27300	1094	067.0255	96	DOVER	240.00	10.00	30.00	0.50	5.00	0.00		1	2	86
27308	136	071.0005	20	DURHAM	142.00	74.00	81.00	0.50	4.00	0.00		4	2	-54
27311	934	071.0099	10	DURHAM	123.00	25.00	42.00	12.00	4.50	30.00		1	2	-15
27316	314	071.0226	30	DURHAM	280.00	18.00	33.00	0.00	6.50	12.00		4	2	12
27386	87-39	099.0091	80	GREENLAND	200.00	20.00	40.00	1.00	15.00	0.00		1-3	2	60
27388	055-89	099.0148	35	GREENLAND	425.00	48.00	61.00	0.00	30.00	0.00		124	2	-13
27390	21	099.0209	88	GREENLAND	240.00	41.00	60.00	1.00	6.00	0.00		4	2	47
27391	3	099.0214	66	GREENLAND	205.00	15.00	30.00	1.00	8.00	0.00		4	2	51
27394	832	099.0273	88	GREENLAND	240.00	36.00	51.00	0.50	10.00	0.00		2	2	52
27396	1057	099.0334	102	GREENLAND	320.00	20.00	40.00	0.50	10.00	0.00		2	2	82
27527	317	148.0008	160	MADBURY	162.00	11.00	21.00	1.25	4.00	0.00		2	2	149
27528	848	148.0087	182	MADBURY	200.00	12.00	31.00	0.00	20.00	0.00		3	2	170
27529	01493	148.0116	159	MADBURY	424.00	10.00	81.00	1.00	50.00	0.00		3	2	149
27530	01620	148.0126	22	MADBURY	244.00	4.00	40.00	1.00	30.00	0.00		3	2	18
27654	162	198.0003	40	PORTSMOUTH	300.00	0.50	21.00	0.00	9.00	0.00		0	1	40
28073	993	148.0169	94	MADBURY	620.00	10.00	30.00	0.50	1.50	25.00		3		84
28264		071.0304	47	DURHAM	420.00	11.00	40.00	0.00	15.00	0.00		3	2	36
28862	02719	148.0171	105	MADBURY	702.00	12.00	41.00	1.00	2.00	40.00		3		93
28887	02741	071.0317	28	DURHAM	123.00	10.00	41.00	1.00	100.00	10.00		3-6		18
29047		099.0346	38	GREENLAND	385.00	20.00	40.00	1.00	6.00	30.00		3		18
29109	973	148.0174	118	MADBURY	520.00	2.00	30.00	0.25	10.00	30.00		1		116
29111	987	148.0175	109	MADBURY	618.00	5.00	20.00	0.50	2.00	20.00		3		104
29155	00358	071.0325	42	DURHAM	320.00	14.00	41.00	1.00	6.00	0.00		23		28
29221	1104	099.0350	27	GREENLAND	600.00	23.00	40.00	0.50	10.00	0.00		2		4

29237	1112	099.0351	98	GREENLAND	180.00	10.00	40.00	0.50	60.00	0.00	2		88
29474	01088	071.0327	41	DURHAM	640.00	9.00	60.00	1.00	12.00	0.00	3		32
29482	01099	071.0328	78	DURHAM	520.00	6.00	40.00	1.00	7.50	0.00	1		72
29515		099.0354	75	GREENLAND	300.00	5.00	20.00	1.00	12.00	20.00	0		70
29522		099.0355	81	GREENLAND	520.00	16.00	29.00	1.00	30.00	20.00	2		65
29524		099.0356	82	GREENLAND	200.00	28.00	35.00	1.00	100.00	20.00	2		54
29866	3-03025	148.0179	135	MADBURY	423.00	50.00	71.00	1.00	3.00	10.00	2		85
30152		148.0185	118	MADBURY	640.00	14.00	60.00	0.50	20.00	20.00	12		104
30445	1353 08 02	071.0341	78	DURHAM	400.00	6.00	20.00	0.50	3.00	0.00	12		72
30458		148.0186	129	MADBURY	320.00	21.00	36.00	0.50	6.00	0.00	12		108
30459		099.0366	17	GREENLAND	280.00	50.00	70.00	0.75	10.00	0.00	4		-33
30460		148.0187	129	MADBURY	380.00	6.00	30.00	0.75	3.50	0.00	1		123
30463		099.0368	81	GREENLAND	220.00	41.00	60.00	1.00	50.00	0.00	14		40
30625		099.0369	101	GREENLAND	305.00	45.00	65.00	1.50	10.00	20.00			56
30792		099.0390	81	GREENLAND	340.00	34.00	50.00	0.50	8.00	0.00	13		47
30880	1336	099.0392	29	GREENLAND	220.00	47.00	61.00	0.50	15.00	0.00	24		-18
30887	1149	099.0393	19	GREENLAND	340.00	65.00	80.00	0.50	16.00	0.00	14		-46
30891	1161	099.0394	42	GREENLAND	320.00	36.00	40.00	0.50	5.00	0.00	24		6
30892	1160	099.0395	55	GREENLAND	180.00	12.00	40.00	0.50	20.00	0.00	4		43
30929	1225	099.0399	52	GREENLAND	420.00	52.00	60.00	0.50	2.00	0.00	3		0
30930	1217	099.0400	51	GREENLAND	180.00	35.00	42.00	0.50	30.00	0.00	14		16
30937	1265	207.0085	84	RYE	180.00	10.00	26.00	0.50	20.00	0.00			74
30938	1278	099.0401	108	GREENLAND	500.00	9.00	20.00	0.50	2.00	0.00	2		99
30943	1216	099.0402	45	GREENLAND	320.00	27.00	40.00	0.50	25.00	0.00	4		18
30971	1785	071.0348	92	DURHAM	320.00	4.00	20.00	0.50	5.00	0.00	1		88
30977	1842	099.0403	60	GREENLAND	340.00	42.00	47.00	0.50	5.00	0.00	2		18
30978	1822	099.0404	13	GREENLAND	260.00	32.00	40.00	0.50	5.00	0.00	4		-19
30984	1853	099.0406	85	GREENLAND	420.00	47.00	60.00	0.50	15.00	0.00	2		38
30994	1851	099.0408	67	GREENLAND	340.00	22.00	31.00	0.50	10.00	0.00	2		45
30999	1848	099.0409	83	GREENLAND	260.00	19.00	30.00	0.50	20.00	0.00	2		64
31004	1827	207.0087	43	RYE	260.00	10.00	20.00	0.50	50.00	0.00	2		33
31532	03062	071.0353	73	DURHAM	523.00	3.50	41.00	1.00	4.00	52.00	3		70
31826	7058	148.0195	0	MADBURY	205.00	130.00	150.00	0.50	20.00	20.00	1		-130
33383	253	067.0031	90	DOVER	262.00	10.00	31.00	1.00	6.00	0.00	3	2	80
33387	479	067.0059	80	DOVER	402.00	25.00	34.00	2.50	0.25	0.00	2	2	55
33427	76	071.0013	40	DURHAM	280.00	6.00	20.00	0.25	7.00	0.00	2	2	34
33770	72	099.0008	30	GREENLAND	360.00	33.00	53.00	0.00	3.75	0.00	2-1	2	-3

33771	240	099.0018	100	GREENLAND	100.00	37.00	42.00	1.50	6.00	0.00		2	2	63
33773	318	099.0032	80	GREENLAND	300.00	20.00	30.00	0.00	8.00	0.00		2	2	60
33776	232	099.0045	20	GREENLAND	175.00	50.00	60.00	0.50	20.00	17.00		4	3	-30
33781	87-62	099.0086	80	GREENLAND	200.00	25.00	41.00	1.00	50.00	0.00		1	2	55
33782	87-63	099.0094	80	GREENLAND	300.00	30.00	55.00	1.00	20.00	0.00		1-4	2	50
34487	38	148.0003	150	MADBURY	110.00	2.00	17.00	0.00	86.00	10.00			3	148
34490	259	148.0027	180	MADBURY	203.00	6.00	20.00	2.00	15.00	23.00		3	2	174
34491	362	148.0033	170	MADBURY	302.00	10.00	31.00	1.00	6.00	20.00		1	2	160
34493	395	148.0042	20	MADBURY	142.00	11.00	21.00	1.00	30.00	0.00		24	2	9
34495	86-91	148.0054	170	MADBURY	300.00	15.00	41.00	1.00	6.00	20.00		2	2	155
34496	693	148.0061	170	MADBURY	200.00	8.00	20.00	0.75	2.00	0.00		1	2	162
34497	587	148.0062	160	MADBURY	422.00	7.00	30.00	1.00	9.00	15.00		3	2	153
34498		148.0069	190	MADBURY	320.00	4.00	20.00	1.00	30.00	20.00	Y	3	1	186
34871	813	173.0003	40	NEWINGTON	482.00	68.00	84.00	1.00	0.06	0.00		1-2	2	-28
35211	243	198.0005	40	PORTSMOUTH	80.00	5.00	21.00	0.00	50.00	0.00		3	2	35
35287		207.0005	60	RYE	300.00	40.00	55.00	0.50	20.00	0.00		123	3	20
35289	2477	207.0064	33	RYE	523.00	5.00	60.00	1.00	2.50	47.00		3	1	28
36039		099.0416	81	GREENLAND	240.00	50.00	62.00	1.00	12.00	0.00		1		31
36511	03287	148.0196	0	MADBURY	203.00	20.00	122.00	1.00	30.00	15.00	Y	3		-20
36559	03336	207.0090	0	RYE	303.00	12.00	71.00	1.00	25.00	30.00	Y	3		-12
37107	7007	148.0197	0	MADBURY	185.00	80.00	110.00	0.50	20.00	20.00		1		-80
37113	6650	148.0198	0	MADBURY	245.00	10.00	20.00	0.50	15.00	20.00		1		-10
37116	7057	148.0199	0	MADBURY	205.00	140.00	160.00	0.50	20.00	15.00		1		-140
37118	7006	148.0200	0	MADBURY	205.00	67.00	80.00	0.50	20.00	20.00		1-4		-67
37143		148.0201	0	MADBURY	300.00	25.00	40.00	0.50	16.00	12.00		234		-25
37156	03157	148.0202	0	MADBURY	623.00	7.00	41.00	1.00	18.00	90.00				-7
37526	02137	099.0417	0	GREENLAND	500.00	16.00	38.00	1.00	10.00	0.00		12		-16
37755	3-03220	067.0309	0	DOVER	523.00	40.00	81.00	1.00	10.00	5.00		3		-40
38341	03089	173.0040	43	NEWINGTON	520.00	28.00	40.00	1.00	120.00	0.00		4		15
38700		148.0210	76	MADBURY	140.00	41.00	65.00	1.00	30.00	0.00		4		35
38705	031	148.0212	40	MADBURY	360.00	5.00	20.00	1.00	4.50	0.00		3		35
38706		148.0216	136	MADBURY	460.00	9.00	20.00	1.00	1.50	0.00		2		127
38743	59-834-02	099.0421	83	GREENLAND	625.00	33.00	50.00	4.00	1.00	12.00		1-14		50
38744		099.0422	86	GREENLAND	220.00	48.00	60.00	1.00	10.00	0.00		12		38
38745		099.0426	81	GREENLAND	240.00	39.00	53.00	1.00	30.00	0.00	Y	1		42
38746		099.0427	81	GREENLAND	325.00	43.00	52.00	1.00	7.50	0.00	Y	1		38
38747		099.0428	81	GREENLAND	200.00	25.00	40.00	1.00	15.00	0.00	Y	12		56

38748		099.0429	82	GREENLAND	240.00	15.00	40.00	1.00	30.00	0.00		12		67
38749		099.0430	81	GREENLAND	260.00	39.00	50.00	1.00	100.00	0.00		12		42
38750	021	099.0432	81	GREENLAND	360.00	49.00	60.00	1.00	20.00	0.00		1		32
38751	055	099.0434	0	GREENLAND	300.00	48.00	60.00	1.00	75.00	0.00		4-4		-48
38753	1953	099.0436	65	GREENLAND	300.00	19.00	30.00	0.50	40.00	0.00		3		46
38755	1886	099.0438	101	GREENLAND	240.00	49.00	60.00	0.50	60.00	0.00		2-3		52
38757	1945	099.0440	101	GREENLAND	240.00	75.00	100.00	0.50	50.00	0.00		2		26
38758	1931	099.0442	57	GREENLAND	320.00	38.00	50.00	0.50	40.00	0.00		3		19
38759	1862	099.0443	36	GREENLAND	220.00	52.00	60.00	0.50	30.00	0.00		3		-16
38760	1-7258	099.0445	36	GREENLAND	200.00	15.00	41.00	1.00	30.00	0.00		3		21
38819		071.0371	25	DURHAM	400.00	9.00	20.00	1.00	9.00	0.00		2		16
38848	1918	067.0339	109	DOVER	140.00	118.00	126.00	0.50	50.00	0.00		4		-9
39152	20	099.0143	90	GREENLAND	200.00	40.00	52.00	0.00	60.00	0.00		12	2	50
39156	01280	099.0155	0	GREENLAND	202.00	55.00	85.00	8.00	8.00	0.00	Y	3-4	2	-55
40255		148.0225	188	MADBURY	240.00	4.00	40.00	1.00	5.00	6.00		3		184
41300		148.0226	184	MADBURY	180.00	6.00	30.00	1.00	30.00	0.00		1		178
41301		148.0228	0	MADBURY	500.00	20.00	40.00	1.00	5.00	0.00				-20
41302		148.0229	167	MADBURY	420.00	3.00	60.00	0.50	6.00	0.00		3		164
41722		099.0453	0	GREENLAND	340.00	24.00	40.00	1.00	20.00	0.00		12		-24
41723	4-2004	099.0454	0	GREENLAND	260.00	15.00	40.00	0.50	15.00	0.00		4		-15
42069	166	099.0133	90	GREENLAND	200.00	34.00	42.00	0.50	10.00	20.00		12	2	56
42070	21-89	099.0141	19	GREENLAND	175.00	61.00	76.00	1.00	50.00	0.00		124	2	-42
42072	138	099.0157	36	GREENLAND	220.00	28.00	37.00	0.00	30.00	0.00		2	2	8
42073	190	099.0164	19	GREENLAND	220.00	50.00	68.00	0.50	60.00	0.00		12	2	-31
42076	1658	099.0188	82	GREENLAND	435.00	17.00	34.00	0.00	100.00	15.00		2	2	65
42080	552	099.0219	90	GREENLAND	240.00	40.00	51.00	0.50	7.00	0.00		2	2	50
42082	708	099.0236	86	GREENLAND	200.00	32.00	44.00	0.50	6.00	0.00		2	2	54
42083	718	099.0243	18	GREENLAND	400.00	32.00	44.00	0.50	50.00	0.00		4	2	-14
42091		099.0323	15	GREENLAND	140.00	35.00	60.00	0.75	8.00	0.00		3	2	-20
42093	1055	099.0339	94	GREENLAND	300.00	20.00	40.00	0.50	20.00	0.00		2	2	74
42147	2703	198.0019	39	PORTSMOUTH	190.00	5.00	15.00	0.17	75.00	31.00		3	2	34
42148	529	198.0024	40	PORTSMOUTH	180.00	8.00	17.00	0.50	15.00	0.00		2	2	32
42152	478	207.0035	103	RYE	220.00	60.00	85.00	0.50	30.00	0.00		2-1	2	43
42177		099.0431	81	GREENLAND	220.00	31.00	47.00	1.00	30.00	0.00		1		50
42269		198.0091	0	PORTSMOUTH	560.00	11.00	20.00	1.00	8.00	0.00		2		-11
42284		207.0103	0	RYE	520.00	42.00	50.00	1.00	12.00	0.00		2		-42
42635	4-2004	099.0457	0	GREENLAND	260.00	15.00	40.00	0.50	15.00	0.00		4		-15

43350		071.0197	56	DURHAM	305.00	15.00	22.00	0.50	5.00	0.00		4	2	41
43652	04176	148.0236	188	MADBURY	505.00	10.00	42.00	1.00	5.00	47.00		1		178
44227	04417	148.0239	0	MADBURY	360.00	26.00	40.00	1.00	15.00	0.00		3-2-1		-26
44228	1-8357	148.0240	176	MADBURY	500.00	5.00	40.00	0.50	3.50	0.00		4		171
44289		148.0242	417	MADBURY	600.00	87.00	95.00	1.00	4.00	0.00		24		330
44290		148.0243	123	MADBURY	180.00	97.00	125.00	0.50	20.00	0.00		24		26
44515	143-2004	099.0483	0	GREENLAND	280.00	33.00	80.00	0.50	30.00	40.00		123		-33
44532		099.0462	544	GREENLAND	240.00	18.00	40.00	0.50	15.00	0.00		2		526
44628		071.0419	29	DURHAM	500.00	5.00	20.00	1.00	9.00	0.00		1		24
45174		148.0250	255	MADBURY	660.00	30.00	69.00	1.00	10.00	0.00		1		225
45175		148.0251	78	MADBURY	600.00	47.00	69.00	1.00	12.00	0.00		13		31
45179		148.0253	97	MADBURY	140.00	60.00	78.00	0.50	20.00	0.00		2		37
45185		148.0254	101	MADBURY	440.00	63.00	80.00	1.00	80.00	0.00		34		38
45195		148.0255	225	MADBURY	340.00	45.00	50.00	0.50	20.00	0.00		12		180
45202		148.0256	323	MADBURY	640.00	92.00	100.00	0.50	15.00	0.00		13		231
45206		148.0257	255	MADBURY	620.00	53.00	68.00	1.00	8.00	0.00		1-3		202
45372	406-3777	067.0384	98	DOVER	200.00	4.00	20.00	0.50	5.00	0.00		3		94
45751		067.0165	86	DOVER	410.00	15.00	27.00	1.00	1.00	0.00		4	2	71
45756	738	148.0070	174	MADBURY	403.00	25.00	40.00	1.00	15.00	0.00		4	2	149
45758	1841	148.0097	173	MADBURY	302.00	9.00	20.00	1.25	5.00	0.00		12	3	164
45760	220	148.0117	156	MADBURY	425.00	9.00	23.00	2.00	12.00	5.00		14	2	147
45762	762	148.0142	191	MADBURY	360.00	12.00	27.00	0.50	10.00	0.00		1	2	179
45763	9762	148.0151	101	MADBURY	240.00	60.00	73.00	1.00	3.00	0.00		23-4	1	41
46145	S-18215	099.0475	0	GREENLAND	320.00	6.00	40.00	0.50	10.00	0.00		3		-6
46226		071.0431	0	DURHAM	320.00	40.00	30.00	0.50	25.00	0.00				-40
46535		071.0432	686	DURHAM	540.00	13.00	29.00	0.50	8.50	0.00		1		673
47239	S-18297	071.0438	0	DURHAM	340.00	20.00	36.00	0.50	12.00	0.00		2		-20
47313		067.0397	131	DOVER	240.00	4.00	20.00	1.00	8.00	12.00		1		127
48017	3	198.0100	0	PORTSMOUTH	120.00	9.00	20.00	0.50	15.00	0.00		4		-9
48105	06087	099.0484	0	GREENLAND	340.00	47.00	70.00	1.00	12.00	0.00		34		-47
48109	06091	099.0485	0	GREENLAND	420.00	43.00	80.00	1.00	10.00	0.00		4		-43
48679	20241	099.0489	0	GREENLAND	140.00	13.00	40.00	0.50	18.00	20.00	Y	2		-13
48905		207.0116	113	RYE	320.00	47.00	60.00	0.50	15.00	0.00		12		66
48957		198.0111	60	PORTSMOUTH	440.00	16.00	80.00	1.00	5.00	0.00		2		44
49059	20357	148.0265	0	MADBURY	280.00	47.00	60.00	0.50	10.00	10.00	Y	12		-47
49658		148.0269	0	MADBURY	260.00	54.00	69.00	0.50	4.50	0.00		1		-54
49664		148.0270	198	MADBURY	400.00	21.00	33.00	0.50	25.00	0.00		2		177

49962	19198	099.0492	0	GREENLAND	200.00	9.00	40.00	15.00	1.00	20.00		2	-9
50216		203.0857	0	ROCHESTER	240.00	8.00	20.00	0.50	8.00	0.00		3	-8
50426	19189	225.1051	0	STRATHAM	220.00	14.00	40.00	1.00	40.00	15.20	Y	2	-14

Water Well Inventory

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20050823
Title: Water Well Inventory
Geospatial_Data_Presentation_Form: vector digital data
Other_Citation_Details:
To obtain this data, please download from the New Hampshire Department of Environmental Services GIS One-Stop Site: <URL:http://www.des.state.nh.us/gis/onestop/>
Online_Linkage:
<URL:http://www.granit.sr.unh.edu/cgi-bin/nhsearch?dset=wwinv/nh>
Description:
Abstract:
This data contains the locations of georeferenced water wells that appear in the New Hampshire Geological Survey's (NHGS) Water Well Inventory database. The database contains well construction details and general geologic information submitted by licensed water well contractors following well completion. The database has been maintained since 1984, the year in which water well drillers were required to begin submitting well completion reports. The data are updated periodically as needed to support ongoing NHGS projects.
Purpose:
The dataset is intended to provide locations of reported water wells that are accurate to +/- 150 feet to enable spatial analyses and comparisons of hydrogeologic conditions to be performed by geologists, engineers, well contractors, and the public.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1984
Ending_Date: 2005
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.590078
East_Bounding_Coordinate: -70.695900
North_Bounding_Coordinate: 45.278350
South_Bounding_Coordinate: 42.694478
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Well
Theme_Keyword: Hydrogeology
Place:
Place_Keyword_Thesaurus: None

Place_Keyword: New Hampshire
Access_Constraints: Upon NHDES Approval
Use_Constraints:
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.
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Derek S. Bennett
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Hydrogeologist
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.1.0.722

Data_Quality_Information:
Logical_Consistency_Report:
The data are entered into a database where values are validated automatically before being populated into a master table. Maintenance of the database is performed on an as-needed basis and corrections to the data are made immediately following error discovery. Positional accuracy is periodically reviewed by comparing the town reported on the well completion report with the town that the well plots in geographically. Anomalies are investigated and corrected upon discovery.
Completeness_Report:
The data are complete as of publication date. Updates are made periodically to densify the coverage and correct any errors that were discovered through QA/QC.
Lineage:
Process_Step:
Process_Description:
The data are collected utilizing various techniques. The method used to collect data for a given well is identified using the location entity (LOCENT) and location accuracy (LOCACC) fields within the attribute table.
Process_Date: 20050823

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 32416

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: wells
Entity_Type_Definition: Water Well Inventory
Entity_Type_Definition_Source: NHDES
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: WWINV_
Attribute_Definition: Auto generated entity number
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Auto number generated during data compilation
Attribute:
Attribute_Label: WWINV_ID
Attribute_Definition: Auto generated number
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Automatically generated number
Attribute:
Attribute_Label: WELL_
Attribute_Definition:
The well identification number as assigned by the well contractor
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing well ID number assigned by well contractor
Attribute:
Attribute_Label: WRB_
Attribute_Definition:
Unique identifier (water resources board ID) assigned by the New Hampshire Geological Survey
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing unique identifier consisting of 3 digit town ID and well designation
Attribute:
Attribute_Label: YTD
Attribute_Definition: Duration of the yield test in hours
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing number of hours yield test was performed (99999=no data)
Attribute:

Attribute_Label: ELEV
Attribute_Definition: The elevation of the wellhead in feet above sea level
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing well elevation in feet above Mean Sea Level (99999=nodata)

Attribute:
Attribute_Label: FNAME
Attribute_Definition: First initial of well owner
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Text field containing first name initial of well owner

Attribute:
Attribute_Label: ST_
Attribute_Definition: Street number
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Numeric field containing property street number

Attribute:
Attribute_Label: ROAD
Attribute_Definition: Road Name for well location
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Text field containing primary road name of well location

Attribute:
Attribute_Label: TOWN
Attribute_Definition: Town in wich well is located
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Text field containing Town or municipality name

Attribute:
Attribute_Label: MAP
Attribute_Definition:
Map page number as recorded on the town's tax map. This number varies according to the coding system used by a particular town
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax map number as lilsted on the town tax parcel map at the time of location

Attribute:
Attribute_Label: PARCEL
Attribute_Definition:
Parcel identifier as recorded on the town's tax map. This number varies according to the coding system used by a particular town
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax parcel number for the property as listed on the town tax map at the time of location

Attribute:
Attribute_Label: DCOMP
Attribute_Definition:
Date the well was completed. Eleven digit hyphenated format dd-mon-yyyy with leading zeros included
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Text field containing and eleven digit date referencing the well completion date

Attribute:
Attribute_Label: USE
Attribute_Definition: Proposed use of the well
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: Other
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Domestic
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Small Community Water Supply
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Municipal
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition: Commercial
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Industrial
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: Agricultural
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition: Institutional
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 8
Enumerated_Domain_Value_Definition: Test / Exploration
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 9
Enumerated_Domain_Value_Definition: Abandoned
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: YTQ
Attribute_Definition: Total discharge in gallons per minute
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing total well discharge (from yield test) in gallons per minute (99999=nodata)

Attribute:
Attribute_Label: TOTD
Attribute_Definition: Total depth of well in feet below land surface datum
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing total depth of well (in feet) below land surface datum

Attribute:
Attribute_Label: SWL
Attribute_Definition: Static water level in feet below land surface datum
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: Overflowing
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: At Ground Level
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: CASING

Attribute_Definition: Total length of casing installed in the well in feet
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Numeric field containing total length of well casing in feet

Attribute:
Attribute_Label: YTM
Attribute_Definition: Method used to determine the well yield
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Bailed
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Pumped
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Compressed Air
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: DMEAS
Attribute_Definition:
Date that static water level was measured. Eleven-digit hyphenated format dd-mon-yyyy with leading zeros included
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: Overflowing
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: OB
Attribute_Definition:
Codes are entered layer by layer in the sequence reported in the well log; successive layers are separated by a hyphen (for example, 12-4 indicates a sand and gravel layer overlying a clay layer; mixed is used if 1 through 4 are recorded on the same line
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: Exposed Bedrock
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Sand
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Gravel
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Till
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition: Clay
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Mixed
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:

Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: Other
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: X_COORD
Attribute_Definition: X-coordinate in NAD83 New Hampshire State Plane Feet
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing X-coordinate in NAD83 New Hampshire State Plane feet

Attribute:
Attribute_Label: Y_COORD
Attribute_Definition: Y_Coordinate in NAD83 New Hampshire State Plane feet
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing Y_Coordinate of well location in NAD83 New Hampshire State Plane feet

Attribute:
Attribute_Label: AREA

Attribute:
Attribute_Label: TYPE
Attribute_Definition: Type of well
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: Other
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Drilled in Bedrock
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Drilled in Gravel
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Dug
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition: Auger Hole
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Drive Point
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: Wash Well
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition: Undifferentiated
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: PERIMETER

Attribute:
Attribute_Label: BDKD
Attribute_Definition: Depth to bedrock in feet below land surface datum
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Numeric field containing total depth of well to bedrock (in feet) below land surface datum

Attribute:
Attribute_Label: NAME
Attribute:
Attribute_Label: REASON
Attribute:
Attribute_Label: WQ
Attribute:
Attribute_Label: QC

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Live Data and Maps
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: Image Map Service
Format_Version_Number: 4.0
Format_Specification: ArcIMS Image Map Service
Format_Information_Content:
A web-based interactive mapping system that accesses an ArcIMS Service.
Transfer_Size: 0.865
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/gis/onestop/>
Access_Instructions:
This URL links to a web-based interactive mapping system that runs in Internet Explorer 5.5 and higher.
Fees: No Fee for standard export
Ordering_Instructions:
Please contact NHDES for downloadable version of the data. To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20051012
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Environmental Services
Contact_Person: George Hastings

Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Wed Oct 12 08:23:47 2005

Yellow Divider Sheet

Registered Water Withdrawls

Data Souce: NHDES GIS Database December 2008
Data Shapefile: watuse.shp
Legend for database presented in the accompanying NHDES metadata file for Registered Water Withdrawls

DESID	WU_NAME	WU_TYPE	SD_ID	SD_NAME	SD_TOWN	EPA_SYSTEM	EPA_SOURCE
18	DOVER WATER DEPARTMENT	WS	20006-S01	HUGHES WELL	MADBURY	0651010	006
22	DOVER WATER DEPARTMENT	WS	20006-S06	GRIFFIN WELL	MADBURY	0651010	005
29	PORTSMOUTH WATER WORKS	WS	20010-S01	BELLAMY RESERVOIR	MADBURY	1951010	009
30	PORTSMOUTH WATER WORKS	WS	20010-S02	MADBURY WELL #1	MADBURY	1951010	005
31	PORTSMOUTH WATER WORKS	WS	20010-S03	MADBURY WELL #2	MADBURY	1951010	006
32	PORTSMOUTH WATER WORKS	WS	20010-S04	MADBURY WELL #3	MADBURY	1951010	007
33	PORTSMOUTH WATER WORKS	WS	20010-S05	MADBURY WELL #4	MADBURY	1951010	008
34	PORTSMOUTH WATER WORKS	WS	20010-S06	PORTSMOUTH WELL #1	PORTSMOUTH	1951010	004
35	PORTSMOUTH WATER WORKS	WS	20010-S07	COLLINS WELL	PORTSMOUTH	1951010	001
36	PORTSMOUTH WATER WORKS	WS	20010-S08	GREENLAND WELL #5	GREENLAND	1951010	003
37	PORTSMOUTH WATER WORKS	WS	20010-S99	RESERVOIR + WELL FIELD	MADBURY	1951010	
85	RYE WATER DISTRICT	WS	20038-S01	GARLAND WELL	RYE	2041010	001
410	DOVER SAND & GRAVEL/PRUVEN AGGREGATES	MI	20212-D01	BELLAMY RIVER	DOVER		
687	ELLIOTT ROSE CO MADBURY	AG	20339-D01	IRRIGATION	MADBURY		
688	ELLIOTT ROSE CO MADBURY	AG	20339-S01	BELLAMY RIVER	MADBURY		
711	DURHAM WWTF	ST	20354-D01	OYSTER RIVER	DURHAM		
788	PIKE INDUSTRIES INC	IN	20402-D01	ELWYN BROOK POND	PORTSMOUTH		
789	PIKE INDUSTRIES INC	IN	20402-S02	ELWYN BROOK POND	PORTSMOUTH		
1246	ERIE SCIENTIFIC COMPANY	IN	20010-S03	PORTSMOUTH WATER DEPT	MADBURY		
1248	ERIE SCIENTIFIC COMPANY	IN	20660-S01	WELL #1	PORTSMOUTH		
1249	ERIE SCIENTIFIC COMPANY	IN	20660-S02	WELL #3	PORTSMOUTH		
1277	PORTSMOUTH COUNTRY CLUB	IR	20676-S01	HOLDING POND	GREENLAND		
1278	PORTSMOUTH COUNTRY CLUB	IR	20676-S02	WELL FIELD	GREENLAND		
1279	PORTSMOUTH COUNTRY CLUB	IR	20676-S03	PCC NEW WELL	GREENLAND		
1305	BREAKFAST HILL GOLF CLUB	IR	20690-D01	GOLF COURSE	GREENLAND		
1306	BREAKFAST HILL GOLF CLUB	IR	20690-S01	WELL FIELD	GREENLAND		
1387	PORTSMOUTH WATER WORKS	WS	20029-S04	MMS #1 & #2	NEWINGTON	1951020	
1388	PORTSMOUTH WATER WORKS	WS	20029-S05	LOOMIS WELL	NEWINGTON	1951020	005
1460	SEVERINO TRUCKING COMPANY INC	CO	20751-S02	WINNICUTT RIVER	GREENLAND		
1462	HIGH LINER FOODS (USA) INC	IN	20759-S02	WELL	PORTSMOUTH		

Registered Water Withdrawals

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20060908
Title: Registered Water Withdrawals
Geospatial_Data_Presentation_Form: vector digital data
Other_Citation_Details:
To obtain this data, please download from the New Hampshire Department of Environmental Services GIS One-Stop Site: <URL:http://www.des.state.nh.us/gis/onestop/>
Online_Linkage:
<URL:http://www.granit.sr.unh.edu/cgi-bin/nhsearch?dset=registered_water_withdrawals/nh>
Description:
Abstract:
This coverage was developed by the New Hampshire Geological Survey (NHGS) and contains the locations of withdrawals and returns associated with water users who use more than 20,000 gallons of water per day and are registered with NHGS. Attributes describe each withdrawal and return and each respective source and destination, whether surface water or ground water. Each point is also linked to a time series of monthly usage values as reported to NHGS by the registered water users.
Purpose:
The objective of the dataset is to maintain accurate data on the major uses of the State of New Hampshire?s water and the particular demands placed upon individual aquifers, streams and rivers. To accomplish this objective, all facilities which use more than 20,000 gallons of water per day, averaged over a seven-day period, must register with NHGS. Use of water is broadly interpreted to mean withdrawal of water from a source and/or return of water to the environment. Also included in the registration process, but not included as part of this data layer, are facilities which may receive water from a public supplier or return water to a community wastewater treatment plant provided the use exceeds 20,000 gallons per day.

The information collected under this program is a fundamental element in the overall assessment of water availability. Potential future problems relating to well interference, declining water tables and/or diminished stream flows can be identified at an early stage. Should such problems arise; initiatives can be taken, as needed, to protect both existing beneficial users and the environmental quality.

Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1987
Ending_Date: 2006
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.547942
East_Bounding_Coordinate: -70.702077
North_Bounding_Coordinate: 45.049509
South_Bounding_Coordinate: 42.700570

Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Water Use
Theme_Keyword: Surface Water
Theme_Keyword: Ground Water
Theme_Keyword: Water
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: Upon NHDES Approval
Use_Constraints:
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.
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Derek Bennett
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Hydrogeologist, New Hampshire Geological Survey
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

Data_Quality_Information:
Logical_Consistency_Report:
The data is entered into a database where values are validated automatically before being populated into a master table. Maintenance to the database is done on an as-needed basis and corrections to the data are made immediately following error discovery.
Completeness_Report:
The data are complete as of publication date. Updates are made periodically to include new registered users and to correct any errors that were discovered through QA/QC.
Lineage:
Process_Step:
Process_Description:
The data is collected utilizing various techniques. The method used to collect data for a given water user is maintained using the location entity (SD_LOCENT) and location accuracy (SD_LOCACC) fields within the attribute table.
Process_Date: 20041116
Process_Step:
Process_Description: Metadata imported.
Source_Used_Citation_Abbreviation: C:\WINNT\TEMP\xml32.tmp
Process_Step:
Process_Description: Metadata imported.
Source_Used_Citation_Abbreviation: C:\Avtemp\Metadatatemp\One-StopRestricted\watuse.shp.xml
Process_Step:
Process_Description: Dataset copied.
Source_Used_Citation_Abbreviation: M:\gwp30\watuse

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 1524

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: watuse
Entity_Type_Definition: Geographic location of a registered water withdrawal or return.
Entity_Type_Definition_Source: NHDES
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: DESID
Attribute:
Attribute_Label: ADESID
Attribute:
Attribute_Label: WUSD_ID
Attribute_Definition:
A string field showing an unique identifier assigned to each withdrawal or return by concatenating attributes WU_ID and SD_ID.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Calculated value by NHDES.
Attribute:
Attribute_Label: WU_ID
Attribute_Definition: A string field showing an unique identifier for the water user.

Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Unique identifier assigned to the facility by the NH Geological Survey.

Attribute:
Attribute_Label: WU_NAME
Attribute_Definition:
A string field displaying the owner of the facility, whether a private or public corporation, institution, city, town, business or individual.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Owner of the facility as registered with NHDES.

Attribute:
Attribute_Label: FACILITY
Attribute_Definition:
A string field showing the name or general description of the facility associated with WU_NAME at the actual site of water use.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The name or general description of the facility as registered with NHDES.

Attribute:
Attribute_Label: WU_ROAD
Attribute_Definition:
A string field showing the street or road on which the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The street/road the facility is located on as registered with NHDES.

Attribute:
Attribute_Label: WU_TOWN
Attribute_Definition:
A string field showing the town in which the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The town in which the facility is registered with NHDES.

Attribute:
Attribute_Label: WU_TYPE
Attribute_Definition:
A text field holding a code which describes the general purpose for which water is being used.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: AF
Enumerated_Domain_Value_Definition: Agriculture Field.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: AG
Enumerated_Domain_Value_Definition: Agriculture Greenhouse.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: AL
Enumerated_Domain_Value_Definition: Agriculture Livestock.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: AQ
Enumerated_Domain_Value_Definition: Aquaculture
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: BW
Enumerated_Domain_Value_Definition: Bottled water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CO
Enumerated_Domain_Value_Definition: Commercial.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DO
Enumerated_Domain_Value_Definition: Domestic.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: IN
Enumerated_Domain_Value_Definition: Industrial.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: IR
Enumerated_Domain_Value_Definition: Irrigation.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: IT
Enumerated_Domain_Value_Definition: Institutional
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MI
Enumerated_Domain_Value_Definition: Mining.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PB
Enumerated_Domain_Value_Definition: Power Biomass
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PF
Enumerated_Domain_Value_Definition: Power Fossil-Fuel.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PG
Enumerated_Domain_Value_Definition: Power Geothermal.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PH
Enumerated_Domain_Value_Definition: Power Hydroelectric.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PN
Enumerated_Domain_Value_Definition: Power Nuclear Energy.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SM
Enumerated_Domain_Value_Definition: Snow Making
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: ST
Enumerated_Domain_Value_Definition: Sewage Treatment.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WS
Enumerated_Domain_Value_Definition: Water supplier.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: WU_FLAG
Attribute_Definition:
A string field displaying the code representing the activity and reporting status of the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: A
Enumerated_Domain_Value_Definition: Regular quarterly; sources only.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: D

Enumerated_Domain_Value_Definition: Annual; IN Apr- Oct, log spraying: sources only.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: E
Enumerated_Domain_Value_Definition: Annual; IR May-Oct, sources only
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: F
Enumerated_Domain_Value_Definition: Annual; SM Oct- Mar: sources only.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: H
Enumerated_Domain_Value_Definition: Quarterly; all sources and destinations (IN, IT, PB, PF).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: I
Enumerated_Domain_Value_Definition: Quarterly; all sources and some destinations.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: J
Enumerated_Domain_Value_Definition: Quarterly; destinations only (mostly ST).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: K
Enumerated_Domain_Value_Definition: Quarterly; ST transfers; destinations only (Sewage).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: L
Enumerated_Domain_Value_Definition: Quarterly; ST spray irrigation; destinations only.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: N
Enumerated_Domain_Value_Definition: Unspecified active; NO REPORT MAILED
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: P
Enumerated_Domain_Value_Definition: Report to PUC (mostly PH); NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Q
Enumerated_Domain_Value_Definition:
Report to National Pollutant Discharge Elimination System (NPDES) program (mostly IN and ST); NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: S
Enumerated_Domain_Value_Definition:
Report to NHDES - Water Supply and Engineering Bureau (WSEB); WS surface water only or combined surface and groundwater sources; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: T
Enumerated_Domain_Value_Definition: Temporarily inactive; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: U
Enumerated_Domain_Value_Definition: Unspecified inactive; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: V
Enumerated_Domain_Value_Definition: Reported AVGDD less than threshold; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: X
Enumerated_Domain_Value_Definition:

Usage declined below threshold or original AVGDD in error; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Y
Enumerated_Domain_Value_Definition: Inactive registered facility; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Z
Enumerated_Domain_Value_Definition: Special exclusions; NO REPORT MAILED.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: METERED
Attribute_Definition:
A string field showing the code which indicates whether or not water use is metered by the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: Y
Enumerated_Domain_Value_Definition: Water use is metered by the facility.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: N
Enumerated_Domain_Value_Definition: Water use is NOT metered by the facility.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: COOLING
Attribute_Definition:
A string field showing the code that identifies whether water is being used for either contact or non-contact cooling purposes.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: C
Enumerated_Domain_Value_Definition: Water is used for contact cooling.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NC
Enumerated_Domain_Value_Definition: Water is being used for non-contact cooling
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NULL
Enumerated_Domain_Value_Definition:
Water is not being used for either contact or non-contact cooling.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: ACRES_IRR
Attribute_Definition: A number field showing the number acres irrigated.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Numbers of acres irrigated as reported to NHDES.
Attribute:
Attribute_Label: DOM_ONLY
Attribute_Definition: A string field showing the number of employees at the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Number of employees at the facility as reported to NHDES.
Attribute:
Attribute_Label: SIC1
Attribute_Definition:
A string field showing the primary Standard Industrial Classification code.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Standard Code created by US Census Department to classify establishments by their primary type of activity.
Attribute:

Attribute_Label: SIC2
Attribute_Definition:
A string field showing the Secondary Standard Industrial Classification code.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Standard Code created by US Census Department to classify establishments by their primary type of activity.

Attribute:
Attribute_Label: SIC3
Attribute_Definition:
A string field showing the tertiary Standard Industrial Classification code.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Standard Code created by US Census Department to classify establishments by their primary type of activity.

Attribute:
Attribute_Label: DUN_NO
Attribute_Definition:
A string field showing the identification number assigned to the facility by Dun and Bradstreet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Identification number assigned by Dun and Bradstreet and reported to NHDES.

Attribute:
Attribute_Label: PWS_NO
Attribute_Definition:
A string field showing the EPA identification number for public water supply systems.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
EPA identification number assigned by the NHDES Water Supply Engineering Bureau.

Attribute:
Attribute_Label: DAM_NO
Attribute_Definition: A string field showing the Dam permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The dam permit number assigned by the NHDES Dam Bureau.

Attribute:
Attribute_Label: FERC_NO
Attribute_Definition:
A string field showing the permit number for hydroelectric generating facilities licensed by the Federal Energy Regulatory Commission.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Permit number for hydroelectric facility licensed by Federal Energy Regulatory Commission and reported to NHDES.

Attribute:
Attribute_Label: PUC_NO
Attribute_Definition:
A string field showing the Public Utilities Commission (PUC) permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Permit number assigned by the Public Utilities Commission.

Attribute:
Attribute_Label: NPDES_NO
Attribute_Definition:
A string field showing the National Pollution Discharge Elimination System (NPDES) permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Permit number assigned by the NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: PRETR_NO
Attribute_Definition:

A string field displaying the industrial pretreatment permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Permit number assigned by NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: GWD_NO
Attribute_Definition: A string field showing the groundwater discharge permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Permit number assigned by the NHDES Water Supply Engineering Bureau.

Attribute:
Attribute_Label: OTHER_NO
Attribute_Definition:
A string field showing the permit number corresponding to any other permit type reference by PERMIT_OTHER_TYPE.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Permit number filled in by NHDES.

Attribute:
Attribute_Label: OTHER_TYPE
Attribute_Definition:
A string field providing a descriptor for any other type of permit held by the registered facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Any other type of permit held by the registered facility as provided to NHDES.

Attribute:
Attribute_Label: DATE_REG
Attribute_Definition:
A date field showing the date that completed registration forms were received from the water user (referenced under WU_NAME).
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Date registered as submitted to NHDES.

Attribute:
Attribute_Label: WU_HUC8
Attribute_Definition:
A string field showing the 8- digit hydrologic unit (HUC) in which the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
HUC 8 determined from topographic boundaries delineated by NRCS.

Attribute:
Attribute_Label: WU_HUC10
Attribute_Definition:
A string field showing the 10 - digit (formally 11- digit) hydrologic unit (HUC) in which the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
HUC10 as determined from topographic boundaries delineated by NRCS.

Attribute:
Attribute_Label: WU_HUC12
Attribute_Definition:
A string field showing the 12- digit hydrologic unit in which the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
HUC12 as determined from topographic boundaries delineated by NRCS.

Attribute:
Attribute_Label: WU_REMARK
Attribute_Definition:
A string field show comments or special note with respect to the facility and/or its water use.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:

Unrepresentable_Domain: Notes created by NHDES.

Attribute:
Attribute_Label: SD_ID
Attribute_Definition:
A string field displaying the identifier assigned to the source/ destination.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Identifier for source/ destination assigned by NH Geological Survey.

Attribute:
Attribute_Label: SD_NAME
Attribute_Definition:
A string field displaying the common name of the source/ destination.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The name as reported to NHDES by the registrant.

Attribute:
Attribute_Label: SD_ROAD
Attribute_Definition:
A string field displaying the name of the nearest access road to the source/ destination.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Name of the road as registered with NHDES.

Attribute:
Attribute_Label: SD_TOWN
Attribute_Definition:
A string field showing the name of the town the source/ destination is located in.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The town in which the source/ destination is located in as registered with NHDES.

Attribute:
Attribute_Label: SD_STATE
Attribute_Definition:
A string field showing the two character US Postal Service abbreviation for state where source/ destination is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The state the source/destination as submitted to NHDES.

Attribute:
Attribute_Label: SD_TYPE
Attribute_Definition:
A string field showing the code indicating the general classification for the type of source/ destination.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: AT
Enumerated_Domain_Value_Definition: Atmosphere.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GW
Enumerated_Domain_Value_Definition: Groundwater
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SW
Enumerated_Domain_Value_Definition: Surface Water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: TW
Enumerated_Domain_Value_Definition: Transferred Water.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SD_SUBTYPE
Attribute_Definition:
A string field showing the code describing the SD_TYPE of the source/ destination in greater detail.

Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: AR
Enumerated_Domain_Value_Definition: Artificial Recharge.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: BK
Enumerated_Domain_Value_Definition: Brook.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CS
Enumerated_Domain_Value_Definition: Combined Sources.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DC
Enumerated_Domain_Value_Definition: Dust Control.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: EV
Enumerated_Domain_Value_Definition: Evaporation.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LF
Enumerated_Domain_Value_Definition: Leach Field.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LG
Enumerated_Domain_Value_Definition: Lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LK
Enumerated_Domain_Value_Definition: Lake.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OC
Enumerated_Domain_Value_Definition: Ocean.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PD
Enumerated_Domain_Value_Definition: Pond.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: RS
Enumerated_Domain_Value_Definition: Reservoir.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: RV
Enumerated_Domain_Value_Definition: River.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SI
Enumerated_Domain_Value_Definition: Spray Irrigation.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SP
Enumerated_Domain_Value_Definition: Spring.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: UI
Enumerated_Domain_Value_Definition: Underground Injection.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WB
Enumerated_Domain_Value_Definition: Bedrock Well.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WD
Enumerated_Domain_Value_Definition: Dug Well.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WF
Enumerated_Domain_Value_Definition: Well Field.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WG
Enumerated_Domain_Value_Definition: Gravel Well.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WK
Enumerated_Domain_Value_Definition: Gravel-Pack Well.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WL
Enumerated_Domain_Value_Definition: Well (type uncertain).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WP
Enumerated_Domain_Value_Definition: Well Point.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SD_ACTION
Attribute_Definition:
A string field holding the code which defines the movement of water to or from the environment or between facilities.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: WL
Enumerated_Domain_Value_Definition: Withdrawal.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: RT
Enumerated_Domain_Value_Definition: Return.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SD_FLAG
Attribute_Definition:
A string field showing the code that represents the activity and reporting status of the source/ destination.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: A
Enumerated_Domain_Value_Definition: Active; regular quarterly reporting.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: E
Enumerated_Domain_Value_Definition: Annual irrigation.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: F
Enumerated_Domain_Value_Definition: Annual snowmaking.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: M
Enumerated_Domain_Value_Definition: Combined sources.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: N
Enumerated_Domain_Value_Definition: Unspecified active.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: P
Enumerated_Domain_Value_Definition:
Usage based on power production reported to Public Utility Commission (PUC).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Q
Enumerated_Domain_Value_Definition:
Usage reported to Wastewater Engineering Bureau under NPDES program.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: R
Enumerated_Domain_Value_Definition:
Usage not measure; place holding value entered based on estimated daily use.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: S
Enumerated_Domain_Value_Definition:
Reported to NHDES Water Supply Engineering Bureau; WS surface water source or combined surface and ground water source.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: T
Enumerated_Domain_Value_Definition: Temporarily inactive.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: U
Enumerated_Domain_Value_Definition: Unspecified inactive.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Abandoned inactive.
Enumerated_Domain_Value_Definition: Special exclusions.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SALINITY
Attribute_Definition:
A string field holding the code which indicates that SD_ACTION involves the use of saline water as opposed to freshwater.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: Y
Enumerated_Domain_Value_Definition: The SD_ACTION involves the use of saline water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NULL
Enumerated_Domain_Value_Definition: The SD_ACTION does NOT involve the use of saline water.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: RWW
Attribute_Definition:
A string field holding the code indicating that SD_ACTION involves the use of recycled wastewater.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: Y
Enumerated_Domain_Value_Definition: The SD_ACTION involves the use of recycled wastewater.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NULL
Enumerated_Domain_Value_Definition: The SD_ACTION does NOT involve the use of recycled water.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: EPA_SYSTEM

Attribute_Definition:
A string field holding the Public Water Supply/EPA identification number corresponding to a public water supply system as regulated by the NHDES Water Supply Engineering Bureau.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Identification number set by EPA.

Attribute:
Attribute_Label: EPA_SOURCE
Attribute_Definition:
A string field displaying the public water supply/EPA identification number corresponding to an individual source of drinking water regulated as part of a public water supply system.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Identification number defined by EPA.

Attribute:
Attribute_Label: WWB_NO
Attribute_Definition:
A string field displaying the water well inventory identification number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Identification number assigned to an individual well by the NH Geological Survey.

Attribute:
Attribute_Label: LGW_NO
Attribute_Definition: A string field showing the large ground water permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Permit number assigend by the NHDES Water Supply Engineering.

Attribute:
Attribute_Label: FPL_TYPE
Attribute_Definition:
A string field showing the code that represents the physical feature that imposes the FACILITY_LIMIT constraining SD_ACTION.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Code will be provided by NHDES, no codes have been assigned at this time.

Attribute:
Attribute_Label: FPL
Attribute_Definition:
A number field showing the maximum amount of water that could be subject to SD_ACTION with the present pumps, pipes, well, intakes, etc., expressed in thousands of gallons per day.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Maximum amount of water as submitted to NHDES.

Attribute:
Attribute_Label: SD_LOCENT
Attribute_Definition:
A string field showing the entity responsible for determining location.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: NHDES Staff.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: USGS.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: EPA.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4

Enumerated_Domain_Value_Definition: Subcontractor.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Water Well Contractor.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: SD_LOCACC
Attribute_Definition:
A string field showing the estimate of the relative accuracy of geographic coordinate values.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition:
Location self-reported by the facility or well owner, plotted on a 7.5 minute quadrangle, and hand scaled.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition:
Location derived by remote desktop GIS methods, utilizing digital orthophotography, digital tax maps, etc.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition:
Field-verified location, plotted on a 15-minute quadrangle, and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition:
Field-verified location, plotted on a 7.5-minute quadrangle, and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 51
Enumerated_Domain_Value_Definition:
Location based on autonomous global positioning satellite readings while selective availability was still active (before May 02, 2000).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 52
Enumerated_Domain_Value_Definition:
Location based on autonomous global positioning satellite readings with selective availability deactivated (on or after May 02, 2000).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition:
Location based on differential collected at a site offset from the wellhead.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition:
Location based on differential global positioning satellite readings collected at a site offset from the wellhead with a correction for the offset applied.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 8
Enumerated_Domain_Value_Definition:
Location based on differential global positioning satellite readings collected at the wellhead.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 9
Enumerated_Domain_Value_Definition: Unknown.

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SD_HUC8
Attribute_Definition:
A string field showing the 8-digit hydrologic unit (HUC) in which the source/destination is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Determined from topographic boundaries delineated by NRCS.

Attribute:
Attribute_Label: SD_HUC10
Attribute_Definition:
A string field showing the 10-digit (formerly 11-digit) hydrologic unit in which the source/destination is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Determined from topographic boundaries delineated by NRCS.

Attribute:
Attribute_Label: SD_HUC12
Attribute_Definition:
A string field showing the 12-digit hydrologic unit (HUC) in which the source/destination is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Determined from topographic boundaries delineated by NRCS.

Attribute:
Attribute_Label: DATE_REP
Attribute_Definition:
A date field showing the last date for which monthly water use data has been reported for a source/ destination.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The last date NHDES received a report.

Attribute:
Attribute_Label: DATE_DEACT
Attribute_Definition:
A date field showing the date the source/ destination became inactive.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The deactivation date as supplied to NHDES.

Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
Number field showing longitude coordinate in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinate in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Live Data and Maps
Distribution_Liability:

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

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: Image Map Service

Format_Version_Number: 4.0

Format_Specification: ArcIMS Image Map Service

Format_Information_Content:

A web-based interactive mapping system that accesses an ArcIMS Service.

Transfer_Size: 0.039

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name: <http://www.des.state.nh.us/gis/onestop/>

Access_Instructions:

This URL links to a web-based interactive mapping system that runs in Internet Explorer 5.5 and higher.

Fees: No Fee for standard export

Ordering_Instructions:

Please contact NHDES for downloadable version of the data. To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:

Metadata_Date: 20061114

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: NH Department of Environmental Services

Contact_Person: George Hastings

Contact_Address:

Address_Type: mailing and physical address

Address: 29 Hazen Drive, PO Box 95

City: Concord

State_or_Province: New Hampshire

Postal_Code: 03302

Contact_Voice_Telephone: 603-271-3503

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Tue Nov 14 15:07:12 2006

APPENDIX B

POTENTIAL CONTAMINANT THREAT DATA
NHDES GIS DATA BASE

- **ABOVEGROUND STORAGE TANKS**
- **LOCAL POTENTIAL CONTAMINATION SOURCE (PCS) INVENTORY**
- **NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) OUTFALLS**
- **POINT/ NON-POINT POTENTIAL POLLUTION SOURCES (NP_PT)**
- **POINT / NON-POINT POTENTIAL POLLUTION SOURCES (NP-POLY)**
- **RCRA / HAZARDOUS WASTE GENERATORS**
- **SITE REMEDIATION AND GROUNDWATER HAZARD INVENTORY (C_SITE)**
- **SITE REMEDIATION AND GROUNDWATER HAZARD INVENTORY (C_AREA)**
- **UNDERGROUND STORAGE TANKS**

Aboveground Storage Tanks

Data Souce: NHDES GIS Database December 2008
Data Shapefile: astsite.shp
Legend for database presented in the accompanying NHDES metadata file for Aboveground Storage Tanks

DESID	DATASOURCE	TYPE	MASTERID	FACILITY_	FACILITY	ADDRESS	TOWN	FAC_TYPE	NUM_TANKS
67	DES-GPS/C	A	15909	950238A	RYE FUELS	1660 GREENLAND RD	GREENLAND	PETROLEUM DISTRIBUTOR	2
182	DES-GPS/C	A	4995	930208A	BELLMORE OIL	3000 LAFAYETTE RD	PORTSMOUTH	PETROLEUM DISTRIBUTOR	0
341	DES-GPS/C	A	1841	890545A	GREENLAND MOBIL	437 PORTSMOUTH AVE	GREENLAND	SERVICE STATION	1
472	DES-GPS/C	A	1844	970609A	PORTSMOUTH COUNTRY CLUB	1 COUNTRY CLUB DR	GREENLAND	COMMERCIAL	2
558	DES-GPS/C	A	14645	980302A	PIKE INDUSTRIES INC 914	RTE 9	MADBURY	ASPHALT BATCHING	3
571	DES-GPS/C	A	15918	9712064	OCEAN ROAD SUBSTATION	OCEAN RD	GREENLAND	UTILITIES	8
572	DES-GPS/C	A	15918	9712064	OCEAN ROAD SUBSTATION	OCEAN RD	GREENLAND	UTILITIES	8
588	DES-GPS/C	A	13756	199803003, 199803003	PIKE INDUSTRIES INC 704/715	650 PEVERLY HILL RD	PORTSMOUTH	COMMERCIAL	7
589	DES-GPS/C	A	13756	199803003, 199803003	PIKE INDUSTRIES INC 704/715	650 PEVERLY HILL RD	PORTSMOUTH	COMMERCIAL	7
590	DES-GPS/C	A	13681	980354A	NATIONS RENT	9 POST RD	PORTSMOUTH	COMMERCIAL	6
685	DES-GPS/C	A	4896	199903050, 199903050	BOURNIVAL LINCOLN MERCURY ISUZU	2355 LAFAYETTE RD	PORTSMOUTH	AUTO DEALERSHIP	1
686	DES-GPS/C	A	13681	980354A	NATIONS RENT	9 POST RD	PORTSMOUTH	COMMERCIAL	6
687	DES-GPS/C	A	4919	991236A	MCLAUGHLIN MOVING CO INC	75 CONSTITUTION AVE	PORTSMOUTH	TRUCKING / TRANSPORT	1
751	DES-GPS/C	A	3156	000304A	NE METAL RECYCLING (FMR MADBURY METALS)	290 KNOX MARSH ROAD (RT 155)	MADBURY	INDUSTRIAL	11
753	DES-GPS/C	A	13939	9812069	PSNH WEST RYE SUBSTATION	ROUTE 1	RYE	UTILITIES	2
916	DES-GPS/C	CA	54487	200103045, 200103045	RYE PUBLIC WORKS FACILITY	309 GROVE ST	RYE	RECYCLING CENTER	2
1318	DES-GPS/C	A	60188	0000273	VALVOLINE INSTANT OIL CHANGE	2470 B LAFAYETTE RD	PORTSMOUTH	OIL CHANGE FACILITY	7
1320	DES-GPS/C	A	59292	0000226	WAL MART STORE	2460 LAFAYETTE RD	PORTSMOUTH	OIL CHANGE FACILITY	6
1321	DES-GPS/C	A	4896	199903050, 199903050	BOURNIVAL LINCOLN MERCURY ISUZU	2355 LAFAYETTE RD	PORTSMOUTH	AUTO DEALERSHIP	1
1322	DES-GPS/C	A	4876	0000201	PORTSMOUTH USED CAR CENTER	180 MIRONA ROAD	PORTSMOUTH	AUTO DEALERSHIP	1

Aboveground Storage Tanks

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20050803
Title: Aboveground Storage Tanks
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: None at this time.
Description:
Abstract:
The coverage contains locations of registered above ground storage tanks.
Purpose:
The coverage was created for source water protection, inspection prioritization, and remediation investigation purposes.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1994
Ending_Date: 2008
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.581188
East_Bounding_Coordinate: -70.576397
North_Bounding_Coordinate: 45.001270
South_Bounding_Coordinate: 42.696560
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Above ground storage tank
Theme_Keyword: AST
Theme_Keyword: Regulated facility
Theme_Keyword: Potential contamination sources
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.

Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Deb Soule
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Data Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.6.1500

Data_Quality_Information:
Logical_Consistency_Report:
Periodically locations are checked for accuracy by comparing database town location versus coverage location. Checks are also made against other coverages of similar nature (such as other facility type coverages) which have facility overlap.
Completeness_Report:
Newer facilities are likely not shown in the dataset since they may not be located yet by GIS field staff. There may not be a location for each individual tank on the site if the tanks were close together (< 50?). In that case, only one point was generated. A facility may not be included in the coverage if it deactivated all its tanks before it could be located. Additional tanks added to a facility after its original tanks were located may not have been located and therefore would not be shown in the coverage.
Lineage:
Process_Step:
Process_Description:
In the past before GPS was common, locations were developed by locating tank locations on topographic maps, transferring the locations to mylar, and then digitizing them. Others were copied from other coverages which held the same facilities. The method now used predominantly is to locate the tanks using global positions system (GPS) technology and differentially correcting the data.
Process_Date: 20050624

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 1327

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.000000
Ordinate_Resolution: 0.000000
Planar_Distance_Units: survey feet
Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: astsite
Entity_Type_Definition: Above ground storage tanks
Entity_Type_Definition_Source: NHDES
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: DESID
Attribute_Definition:
Number field showing internal NHDES feature ID number used for GIS mapping programs.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique internal id defined by NHDES.
Attribute:
Attribute_Label: DATASOURCE
Attribute_Definition:
A text field indicating how the feature location was determined.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DES-DIG
Enumerated_Domain_Value_Definition:
The feature was located on a USGS 7.5' quadrangle, transferred to mylar and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS
Enumerated_Domain_Value_Definition: The feature was GPS'd.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS/C
Enumerated_Domain_Value_Definition: The feature was GPS'd and differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GPS unknown
Enumerated_Domain_Value_Definition:
The feature was GPS'd but it is unknown if it was differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: map interp/or unkn
Enumerated_Domain_Value_Definition:
The feature was located using map interperolation or an unknown method.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: TYPE
Attribute_Definition:
Text field indicating whether features are coincidental with points in the groundwater hazard inventory (C_SITE) coverage.

Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: CA
Enumerated_Domain_Value_Definition:
Site is coincidental with point(s) in the groundwater hazard inventory (c_site) coverage.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: A
Enumerated_Domain_Value_Definition: Site is only present in above ground storage tank coverage.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: MASTERID
Attribute_Definition:
A number field showing the NH Department of Environmental Services master (universal) ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier set by NHDES.

Attribute:
Attribute_Label: FACILITY_
Attribute_Definition:
A text field displaying ID assigned to the site by above ground storage tank program.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique id assigned by NHDES.

Attribute:
Attribute_Label: FACILITY
Attribute_Definition: Text field representing the facility (site) name.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The name as registered with NHDES.

Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: A text field showing address of the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Address of facility as registered with NHDES.

Attribute:
Attribute_Label: TOWN
Attribute_Definition: A text field displaying the town where the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Town the facility is in as registered with NHDES.

Attribute:
Attribute_Label: FAC_TYPE
Attribute_Definition: Text field representing the type of facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Type of facility as registered with NHDES.

Attribute:
Attribute_Label: NUM_TANKS
Attribute_Definition:
Number field showing number of active (not removed or permanently out of use) tanks at the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Number of active tanks as registered with NHDES.

Attribute:
Attribute_Label: TAX_MAP
Attribute_Definition: A text field displaying the tax map number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax map number as listed on the town tax parcel map at the time of location.

Attribute:
Attribute_Label: TAX_LOT

Attribute_Definition: String field representing tax map lot number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax lot as listed on the town tax map at the time of location.
Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
Number field representing latitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.
Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinate in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: SHAPE
Transfer_Size: 0.036
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>
Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20081211
Metadata_Contact:

Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Information Technology
Contact_Person: George Hastings
Contact_Position: Systems Development Specialist
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-0399
Contact_Electronic_Mail_Address: George.Hastings@doit.nh.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.9.6 on Thu Dec 11 14:42:54 2008

Yellow Divider Sheet

Local Potential Contamination Source (PCS) Inventory

Data Souce: NHDES GIS Database December 2008
Data Shapefile: localinv.shp
Legend for database presented in the accompanying NHDES metadata file for Local Potential Contamination Source (PCS) Inventory

DESID	LOCALINV_	LOCALINV_I	SITE_ID	PCS_NAME	ADDRESS	TOWN	PROJ_TYPE
220	220	220	waiver220	LAMINATED FILMS & PACKAGING	ROUTE 1	PORTSMOUTH	MAN
221	221	221	waiver221	DEPOT HONDA	ROUTE 1	RYE	VSR
222	222	222	waiver222	MERCHANTS RENT-A-CAR	ROUTE 1	RYE	VSR
223	223	223	waiver223	A HAIR AHEAD	ROUTE 1/BREAKFAST HILL RD	GREENLAND	CLN
275	275	275	waiver275	PUBLIC WORKS GARAGE	305 GROVE RD	RYE	SALT
276	276	276	waiver276	RICHARD BLANCHARD	150 WEST RD	RYE	GSR
282	282	282	waiver282	RYE RIDGE GREENERY	630 WASHINGTON RD	RYE	MAN,GSR
675	675	675	waiver484	JEFFREY CARROLL LANDSCAPE	10 FERN AVE	RYE	GSR
694	694	694	nhmvsy_unknown2	NE Metal Recycling		MADBURY	WSPS
1243	1243	1243	19510101A	Laferriere's Cabinet Shop	French Cross Rd	DOVER	MAN
1253	1253	1253	19510101K	Morrison Cycle/SkiDoo	Rte 9	MADBURY	GSR
1254	1254	1254	19510101L	Steve Accurate Automotive	Rte 9	MADBURY	VSR,CARD
1464	1464	1464	19510109G	Austin's Auto Body	Rte 9	MADBURY	VSR
1839	1839	1839	06510105C	Land Care / Suntrel	Rt 155	MADBURY	VSR
1886	1886	1886	06510106A	RAM Machinery	106 Crosby Road	Dover	MW
1887	1887	1887	06510107A	Garland Auto	Knox Marsh Road	Dover	VSR
1918	1918	1918	19510201/2A	Portsmouth Pediatric, Great Bay Oral Surgery, Orthopedic-Spo	150 and 100 Griffen Rd	PORTSMOUTH	LAB
1919	1919	1919	19510201/2B	Harbour Women's Health, Richard Lasonde (Eye Care), Path Lab	155 Griffen Rd	PORTSMOUTH	LAB

Local Potential Contamination Source (PCS) Inventory

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 1999
Title: Local Potential Contamination Source (PCS) Inventory
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: <ftp://ftp.des.state.nh.us/pub/GIS/Data/Local> PCS/
Description:
Abstract:
Sites that represent a potential threat to drinking water supplies because they may use, handle, or store hazardous substances.
Purpose:
To assess land use risks as part of New Hampshire Department of Environmental Services (NHDES) Chemical Monitoring Waiver Program and for Source Water Assessment Reports produced by NHDES.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1999
Ending_Date: 2005
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: Quarterly
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.579289
East_Bounding_Coordinate: -70.740029
North_Bounding_Coordinate: 44.995646
South_Bounding_Coordinate: 42.690822
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme_Keyword: location
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Local PCS Inventory
Theme_Keyword: Hazardous
Theme_Keyword: drinking water
Theme_Keyword: Source water
Theme_Keyword: threat
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.

Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Johnna McKenna
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Drinking Water Source Protection Program Coordinator
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.0.0.535

Data_Quality_Information:
Logical_Consistency_Report:
Every 3 years those water systems that participate in the Chemical Monitoring Program update the data within their drinking water protection areas. All other areas are not updated unless through a sanitary survey which is also done only every 3 years.
Completeness_Report:
After 12/31/2002 the project was completed; currently changes are submitted every 3 years for a specific source water protection area through the waiver program. Every 6 months to a year these changes are sent up to the NHDES GIS Department where the coverage is updated quarterly.

Updates are submitted based on honor system so true accuracy is unknown. Most sites are located based on someone?s opinion on the type of activity within a location.

Lineage:
Process_Step:
Process_Description:
Collected location points with GPS unit (usually located site from street) during the completion of the source water assessments (99-03). Site locations that came in as part of waiver program are digitized directly from map (8 ½ X 11).
Process_Date: 20021231

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 1954

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System 1983
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: localinv
Entity_Type_Definition:
Each PCS has a facility number issued through the waiver program or assessment program (waiver123 or 02010101A), a site name and site address and a project type which describes the type of possible activity at the site.
Entity_Type_Definition_Source: NHDES
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: DESID
Attribute_Definition:
Number field showing internal NHDES feature ID number used for GIS mapping programs.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier generated by NHDES.
Attribute:
Attribute_Label: MASTERID
Attribute_Definition:
A number field showing the NH Department of Environmental Services master (universal) ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique database id set by NHDES.
Attribute:
Attribute_Label: SITE_ID
Attribute_Definition:
A text field representing a concatenation of the EPA number with the source ID number of the wellhead protection area that the PCS site falls within. A, B, C, etc. was put at the end to separate each unique site within that area.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Unique identifier created by NHDES using the EPA ID and Source ID.
Attribute:
Attribute_Label: PCS_NAME
Attribute_Definition: Name of the PCS site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Name of the site as registered with NHDES.
Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: Street adress for Site.
Attribute_Definition_Source: NHDES

Attribute_Domain_Values:
Unrepresentable_Domain: Address of the site as registered with NHDES.

Attribute:
Attribute_Label: TOWN
Attribute_Definition: Town within which the site exists.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Town as registed with NHDES.

Attribute:
Attribute_Label: PROJ_TYPE
Attribute_Definition: Type of projects depending on possible activity at site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: VSR
Enumerated_Domain_Value_Definition:
Auto, truck & equipment or repair shops; autobody shops, including those associated with fleet maintenance; and mobile home dealers.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GSR
Enumerated_Domain_Value_Definition:
Furniture stripping, painting & refinishing; photographic processing; printing; appliance & small engine repair; boat repair; refrigeration, heating, ventilating & air conditioning shops; and electrical repair shops.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MW
Enumerated_Domain_Value_Definition:
Machine shops; metal plating, heat treating, smelting & jewlery making shops.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WSPS
Enumerated_Domain_Value_Definition:
Junkyards, scrap yards & auto salvage yards; wastewater (ww) treatment plants; dumps, landfills, transfer stations & other solid waste facilities; ww or septage lagoons.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MAN
Enumerated_Domain_Value_Definition:
Electronic & chemical manufactoring, processing & reclamation; paper, leather, plastic, fiberglass, rubber, silicon & glass making; pharmaceutical production; pesticide manufactoring; and chemical preservation of wood and wood products.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LAB
Enumerated_Domain_Value_Definition:
Medical, dental, veterinary offices & pet grooming; research, development, testing & analytical labs; and funeral services.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CLN
Enumerated_Domain_Value_Definition: Dry cleaners; laundromats; beauty salons; and car washes
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: FP
Enumerated_Domain_Value_Definition:
Meat packing & slaughterhouses; dairies; and processed food manufacture.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: EEE
Enumerated_Domain_Value_Definition:
Active gravil pits; construction businesses with earthmoving or excavating equipment stored and maintained on site.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: CAT
Enumerated_Domain_Value_Definition: Concrete and asphalt plants
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CARD
Enumerated_Domain_Value_Definition: Car dealerships (with or without service departments)
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CONS
Enumerated_Domain_Value_Definition: Construction sites (not including housing developments)
Enumerated_Domain_Value_Definition_Source: NDES
Enumerated_Domain:
Enumerated_Domain_Value: AST/UST
Enumerated_Domain_Value_Definition:
Gas stations; petroleum bulk storage; chemical storage; and on-site heating fuel
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SALT
Enumerated_Domain_Value_Definition: Salt piles for winter road and parking lot use.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: COMMENTS
Attribute_Definition:
Additional comments regarding the site such as to identify where the point was taken on the PCS property or what type of activity was happening at the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Additional information supplied by NHDES.

Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
Number field showing longitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate Value defining the feature.

Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate Value defining the feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.052
Digital_Transfer_Option:

Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>

Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20050906
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Environmental Services
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Tue Sep 06 12:32:47 2005

Yellow Divider Sheet

National Pollutant Discharge Elimination System (NPDES) Outfalls

Data Souce: NHDES GIS Database December 2008

Data Shapefile:npdes.shp

Legend for database presented in the accompanying NHDES metadata file for National Pllutant Discharge Elimination System (NPDES) Outfalls

PERMIT	DBASENUM	ID	FACILITY	ADDRESS	TOWN	IND_MUN	STREAM	STATUS	TYPE	CATEGORY	HUC_12
NH0000884	610	0000884-001	Portsmouth Water Treatment Plant	Frechet Road	Madbury	mun	Johnson Creek	inactive	Minor		010600030902
NH0090000	585	0090000-003	Pease Development Authority	Pease International Tradepo	Portsmouth	ind	Piscataqua, sw outfalls	active	Major	WW	010600030904
NH0100455	871	0100455	Durham WWTF	Route 4	Durham	mun	Oyster River	active	Major	WW	010600030902

National Pollutant Discharge Elimination System (NPDES) Outfalls

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20050804
Title:
National Pollutant Discharge Elimination System (NPDES) Outfalls
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: <ftp://ftp.des.state.nh.us/pub/GIS/Data/NPDES>
Description:
Abstract:
The coverage contains the locations of outfalls for facilities registered with the National Pollutant Discharge Elimination System (NPDES) program. Under this program, established by Public Law 92-500, all facilities which discharge any pollutant from point sources to surface waters (directly) are required to obtain a federal permit from the US Environmental Protection Agency. The New Hampshire Department of Environmental Services (NHDES) also issues a State Water Discharge Permit for most of these discharges.
Purpose:
The data set was originally developed to document the location of facilities which discharge pollutants directly to a surface water for the New Hampshire Department of Environmental Services (NHDES).
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1999
Ending_Date: 2007
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.545230
East_Bounding_Coordinate: -70.581170
North_Bounding_Coordinate: 44.900887
South_Bounding_Coordinate: 42.696171
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: National Pollutant Discharge Elimination System
Theme_Keyword: NPDES
Theme_Keyword: Pollutant Discharge
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire

Access_Constraints: None
Use_Constraints:
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.
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Deb Soule
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Data Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.4.1420

Data_Quality_Information:
Logical_Consistency_Report:
Periodically locations are checked for accuracy by comparing database town location versus coverage location. Checks are also made against other coverages of similar nature (such as other facility type coverages) which have facility overlap.
Completeness_Report:
Newer facilities are likely not shown in the dataset since they may not be located yet by GIS field staff. A facility may not be included in the coverage if it deactivated all its discharges before it could be located.
Lineage:
Process_Step:
Process_Description:
The majority of the features were located on USGS paper quadrangles using traditional field methods (i.e., map/compass); these features were digitized directly from the paper copies using the local 2 1/2-minute tics, thereby achieving an RMS of <0.003 in all cases. Other features were located by the US Environmental Protection Agency, Region New England, or NHDES using differentially-corrected GPS data; these features are flagged accordingly in the coverage point attribute table.
Process_Date: 20040618
Process_Step:
Process_Description: Dataset copied.
Source_Used_Citation_Abbreviation: M:\misc\npdes

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 467

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System 1983
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000

False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.000000
Ordinate_Resolution: 0.000000
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: npdes
Entity_Type_Definition: Location of NPDES outfall pipe locations.
Entity_Type_Definition_Source: NHDES Wastewater Engineering Bureau
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: DBASENUM
Attribute_Definition: NHDES database ID number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: NHDES Wastewater Engineering Bureau database ID number.
Attribute:
Attribute_Label: PERMIT
Attribute_Definition: The facility permit number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The facility permit number.
Attribute:
Attribute_Label: ID
Attribute_Definition:
The facility permit number (minus "NH" prefix) with hyphenated pipe number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The facility permit number (minus "NH" prefix) with hyphenated pipe number.
Attribute:
Attribute_Label: FACILITY
Attribute_Definition: Name of the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Name of the facility.
Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: Address of the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Address of the facility.
Attribute:

Attribute_Label: TOWN
Attribute_Definition: The town in which the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The town in which the facility is located.

Attribute:
Attribute_Label: IND_MUN
Attribute_Definition: The type of facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: IND
Enumerated_Domain_Value_Definition: Industrial facility
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MUN
Enumerated_Domain_Value_Definition: Municipal facility
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: STREAM
Attribute_Definition: Name of the receiving water body.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Name of the receiving water body.

Attribute:
Attribute_Label: BASIN
Attribute_Definition:
Name of the river basin within which the receiving water body lies.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: ANDR
Enumerated_Domain_Value_Definition: Androscoggin River
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CONN
Enumerated_Domain_Value_Definition: Connecticut River
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MERR
Enumerated_Domain_Value_Definition: Merrimack River
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OSSI
Enumerated_Domain_Value_Definition: Ossipee River
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: PISC
Enumerated_Domain_Value_Definition: Piscataqua River
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SACO
Enumerated_Domain_Value_Definition: Saco River
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: N/A
Enumerated_Domain_Value_Definition: Not available.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: STATUS
Attribute_Definition: Status of the facility permit.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: ACTIVE

Enumerated_Domain_Value_Definition: The facility is actively discharging.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: APPLIED FOR
Enumerated_Domain_Value_Definition: The facility has applied for a permit.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: INACTIVE
Enumerated_Domain_Value_Definition: The facility is not actively discharging.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: TYPE
Attribute_Definition: The type of permit.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: MAJOR
Enumerated_Domain_Value_Definition: Major facility.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MINOR
Enumerated_Domain_Value_Definition: Minor facility.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GEN
Enumerated_Domain_Value_Definition: General permit.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OTHER
Enumerated_Domain_Value_Definition: Other type or is undetermined.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: CATEGORY
Attribute_Definition: The general type of facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: AQ
Enumerated_Domain_Value_Definition: Aquaculture.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CCW
Enumerated_Domain_Value_Definition: Contact cooling water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GWR
Enumerated_Domain_Value_Definition: Groundwater remediation.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GWS
Enumerated_Domain_Value_Definition: Groundwater seepage.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: HY
Enumerated_Domain_Value_Definition: Hydroelectric.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NCW
Enumerated_Domain_Value_Definition: Process wastewater.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WATER TP
Enumerated_Domain_Value_Definition: Water treatment plant.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:

Enumerated_Domain_Value: OTHER
Enumerated_Domain_Value_Definition: Other, unspecified type.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SW
Enumerated_Domain_Value_Definition: Storm water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NCCW
Enumerated_Domain_Value_Definition: Non-contact cooling water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: WW
Enumerated_Domain_Value_Definition: Process wastewater.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: DILUT_F
Attribute_Definition:
The dilution factor, calculated as 90% of the following ratio: the sum of the facility design flow plus the receiving water flow, divided by the facility design flow.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Ratio calculated by the NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: DILU_FNOTE
Attribute_Definition: Notes concerning the dilution factor.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Information provided by the NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: 7Q10_CFS
Attribute_Definition:
The receiving water body's 7Q10. This is the lowest average flow that occurs for 7 consecutive days on an annual basis with a recurrence interval of once-in-10-years. Units are cubic feet per second (CFS).
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Value determined by the NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: 7Q10_NOTES
Attribute_Definition: Notes concerning the 7Q10
Attribute_Domain_Values:
Unrepresentable_Domain:
Information provided by the NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: REVIEWED
Attribute_Definition: Date when the location was reviewed by NHDES.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Date when the location was reviewed by NHDES.

Attribute:
Attribute_Label: COMMENTS
Attribute_Definition: Notes concerning changes to the permit or facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Information provided by the NHDES Wastewater Engineering Bureau.

Attribute:
Attribute_Label: DATASOURCE
Attribute_Definition: The manner in which the facility/pipe location was determined.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DES-DIG
Enumerated_Domain_Value_Definition:

The feature was located by NHDES on a 7.5-minute USGS Quadrangle, transferred to mylar, and digitized.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: DES-GPS

Enumerated_Domain_Value_Definition:

The feature was located by NHDES with GPS, without differential or real-time correction.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: DES-GPS/C

Enumerated_Domain_Value_Definition:

The feature was located by NHDES with GPS, with differential or real-time correction.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: GPS unknown

Enumerated_Domain_Value_Definition:

The feature was located with GPS; the collecting agency and manner of correction is unknown.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: map interp/or unkn

Enumerated_Domain_Value_Definition:

The feature was located using map interpolation or an unknown method.

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:

Attribute_Label: HUC_12

Attribute_Definition:

The 12-digit code for the Level 6 Hydrologic Unit (HUC12) within which the facility is located.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain:

HUC12 within which the facility is located, assigned geospatially.

Attribute:

Attribute_Label: LONG_83

Attribute_Definition:

The location's longitude expressed as degrees minutes seconds (NAD83).

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: Longitude, derived geospatially from feature coordinates.

Attribute:

Attribute_Label: LAT_83

Attribute_Definition:

The location's latitude expressed as degrees minutes seconds (NAD83).

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: Latitude, derived geospatially from feature coordinates.

Attribute:

Attribute_Label: ISFACILITY

Attribute_Definition: Indicates if the outfall is the main outfall for the facility.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Yes

Enumerated_Domain_Value_Definition: Is the main outfall for the facility.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: No

Enumerated_Domain_Value_Definition: Is not the main outfall for the facility.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: <blank>

Enumerated_Domain_Value_Definition: Undetermined.

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:

Attribute_Label: CSO_LOC

Attribute_Definition:

General notes concerning the location of the pipe if the outfall is a Combined Sewer Overflow (CSO).
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Locational information provided by the NHDES Wastewater Engineering Bureau.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES Wastewater Engineering Bureau
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.011
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>
Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20071127
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Environmental Services
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time

Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Wed Dec 05 15:44:03 2007

Yellow Divider Sheet

Point / Non-Point Potential Pollution Sources (np_pt)

Data Souce: NHDES GIS Database December 2008

Data Shapefile: np_pt.shp

Legend for database presented in the accompanying NHDES metadata file for Point / Non-Point Pollution Sources

SITE_ID	NP_PT_	NP_PT_ID	TYPE	SITE_NAME	TOWN	TILE_	MAP_LOT	ACTIVE	ROUND	RPA
155-03	1098	1098	CS	DURHAM SEWAGE COMPOSTING	DURHAM	155		1	2	9
155-05	1100	1100	MS		MADBURY	155		0	2	9
169-10	1101	1101	SX	DURHAM SALT STORAGE	DURHAM	169		0	2	9
170-01	653	653	SC	TOWN SALT PILE	GREENLAND	170	5-13	1	2	8
170-02	654	654	SD	NEW ENGLAND TELEPHONE	GREENLAND	170	R20-13	1	2	8
170-03	655	655	SD	AUTUMN POND PARK	GREENLAND	170	R20-10	1	2	8
170-05	657	657	SD	GOWEN'S CORNER	GREENLAND	170	R17-3	1	2	8
170-06	658	658	SD	RYE JUNIOR HIGH	RYE	170	16-17	1	2	8
170-09	661	661	SD	BREAKFAST HILL COMMON	RYE	170	10-18	1	2	8
170-10	662	662	SC	TOWN SALT PILE	RYE	170	11-34	1	2	8
170-15	667	667	SC	NEWINGTON TOWN SALT PILE	NEWINGTON	170	24-6	1	2	8
170-24	676	676	SD	BEECHSTONE APARTMENTS	PORTSMOUTH	170	R87-1	1	2	8
170-25	677	677	SD	WHITE BIRCH PLAZA	PORTSMOUTH	170	R85-2	1	2	8
170-30	682	682	SD	SOUTHGATE PLAZA	PORTSMOUTH	170	R73-3	1	2	8
170-31	683	683	SD	YOKENS REST. + COMFORT INN	PORTSMOUTH	170	R52-8	1	2	8
170-32	684	684	SD	ARTISAN OUTLET	PORTSMOUTH	170	R53-3	1	2	8
170-33	685	685	SD	DIAMOND INTERNATIONAL	PORTSMOUTH	170	R53-2	2	2	8
170-47	748	748	SD	NIKE	GREENLAND	170	R20-08-1,2	1	2	8

Point/Non-Point Potential Pollution Sources

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Originator: New Hampshire Office of Energy and Planning
Originator: North Country Council Planning Commission
Originator: Lakes Region Planning Commission
Originator: Upper Valley - Lake Sunapee Regional Planning Commission
Originator: Southwest Regional 9 - Strafford Regional Planning Commission
Originator: Central NH Regional Planning Commission
Originator: Southern NH Planning Commission
Originator: Nashua Regional Planning Commission
Originator: Rockingham Planning Commission
Publication_Date: 20050823
Title: Point/Non-Point Potential Pollution Sources
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage:
<ftp://ftp.des.state.nh.us/pub/GIS/Data/Point_NonPointPotentialPollutionSources/>
Description:
Abstract:
This coverage identifies selected types of point and non-point potential pollution sources including: combined sewer outfalls (CSOs), quarries, sand and gravel operations, sand and/or salt storage poles, septage/sludge application/lagoon/composting sites, snow dumps, and storm drains.
Purpose:
This coverage was developed as a joint effort between the New Hampshire Department of Environmental Services (NHDES), the New Hampshire Office of Energy and Planning (NHOEP), and the nine New Hampshire Planning Commissions to map selected types of point and non-point potential pollution sources.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1991
Ending_Date: 1995
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: Irregular
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.526766
East_Bounding_Coordinate: -70.677811
North_Bounding_Coordinate: 45.056852
South_Bounding_Coordinate: 42.694761
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None

Theme_Keyword: Potential pollution source
Theme_Keyword: Pollution
Theme_Keyword: non-point source
Theme_Keyword: Point source
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: George Hastings
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: GIS Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.0.0.535

Data_Quality_Information:
Logical_Consistency_Report:
The features locations were reviewed by the appropriate Planning Commission.
Completeness_Report:
Field data collection has been completed for approximately 93% of the state, excluding unincorporated townships. The following towns do not currently have non-point/point pollution source data due to an error of ommission in which field work was not done: Antrim, Bennington, Brookline, Francestown, Greenfield, Hancock, Mason. The following towns do not currently have non-point/point source since they represent unincorporated townships that will not be mapped: Hales Location, Atkinson & Gilmanton Academy Grant, Beans Grant, Beans Purchase, Cambridge, Chandlers Purchase, Crawfords Purchase, Cutts Grant, Dixs Grant, Dixville, Ervings Location, Greens Grant, Hadleys Purchase, Kilkenny, Low and Burbanks Grant, Martins Location, Millsfield, Odell, Pinkhams Grant, Sargents Purchase, Second College Grant, Success, Thompson and Meserve Purchase, Wentworths Location, Livermore, Antrim, Bennington, Francestown, Greenfield, Hancock, and Mason.
Lineage:
Process_Step:
Process_Description:
The majority of the features were field located on USGS paper quadrangles using traditional field methods (i.e., map/compass), transferred to mylar, and digitized by the respective Planning Commissions; features in towns covered by the Nashua Regional Planning Commission were located using differentially-corrected GPS data. Attribute data were edited/ entered by NHDES staff.
Process_Date: 19991029

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 2219

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:

Grid_Coordinate_System_Name: State Plane Coordinate System 1983
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: np_pt
Entity_Type_Definition:
Selected types of point and non-point potential pollution sources.
Entity_Type_Definition_Source: NHDES
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: SITE_ID
Attribute_Definition:
A string field showing the site ID number assigned to the feature by the NHDES GIS Program. It is of the format <GRANIT_TILE_NUMBER>-<SITE#>, where Site# is an arbitrary sequential number. (This id can be used to refer to the original field notes.)
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Unique identifier created by NHDES incorporating the TILE_ (GRANIT Tile number).
Attribute:
Attribute_Label: TYPE
Attribute_Definition:
A string field holding an alpha code which identifies feature type. Some features represent more than one type; in these cases, the multiple types are comma-delimited.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: CO
Enumerated_Domain_Value_Definition: Combined sewer outfall.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: CS
Enumerated_Domain_Value_Definition: Septage/ sludge composting facility.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MQ
Enumerated_Domain_Value_Definition: Mine, hardrock quarry.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MS
Enumerated_Domain_Value_Definition: Mine, sand and gravel.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NT
Enumerated_Domain_Value_Definition: No type indicated.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SC
Enumerated_Domain_Value_Definition: Sand/ salt storage pile, covered.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SD
Enumerated_Domain_Value_Definition: Storm drain.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SL
Enumerated_Domain_Value_Definition: Septage/ sludge lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SN
Enumerated_Domain_Value_Definition: Snow dump.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SS
Enumerated_Domain_Value_Definition: Septage/ sludge landspreading.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SU
Enumerated_Domain_Value_Definition: Sand/ salt storage pile, uncovered.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SX
Enumerated_Domain_Value_Definition: Sand/ salt storage pile, covered or uncovered.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: SITE_NAME
Attribute_Definition: A string field holding the name of the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The name of the site as provided to NHDES by the regional planning commissions.

Attribute:
Attribute_Label: SITE_ADD
Attribute_Definition: A string field showing the street address for the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The address of the site as provided to NHDES from the regional planning commission.

Attribute:
Attribute_Label: TOWN
Attribute_Definition: A string field showing the town which the site is in.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The town as registered with NHDES by the regional planning commission.

Attribute:
Attribute_Label: TILE_
Attribute_Definition: A number field holding the GRANIT tile number.

Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
A unique number developed by GRANIT that reflects the basic tiles or modules corresponding to the USGS 7.5' quadrangles.

Attribute:
Attribute_Label: MAP_LOT
Attribute_Definition: String field representing tax map and lot number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax map and lot as listed on the town tax map at the time of location.

Attribute:
Attribute_Label: ACTIVE
Attribute_Definition: A string field indicating the status of the feature.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: The feature is active.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: The feature is currently inactive.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition:
The feature has been abandoned. This implies that the inactive state is relatively permanent.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: ROUND
Attribute_Definition:
A number field indicating the field season during which the data was collected.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: 1991
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: 1992
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: 1993
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition: 1994
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: RPA
Attribute_Definition:
A number field reflecting the source Planning Commission for the feature.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: North Country Council
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Lake Region

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Upper Valley - Lake Sunapee Regional
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition: Southwest Regional 9 (Strafford Regional)
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Center New Hampshire Regional
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: Southern New Hampshire
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition: Nashua Regional
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 8
Enumerated_Domain_Value_Definition: Rockingham
Enumerated_Domain_Value_Definition_Source: NHDES

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.059
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>
Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20050919
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Environmental Services
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Mon Sep 19 08:53:39 2005

Yellow Divider Sheet

Point / Non-Point Potential Pollution Sources (np_poly)

Data Souce: NHDES GIS Database December 2008

Data Shapefile: np_poly.dbf

Legend for database presented in the accompanying NHDES metadata file for Point / Non-Point Potential Pollution Sources

SITE_ID	NP_POLY_	NP_POLY_ID	TYPE	SITE_NAME	TOWN	TILE_	ACTIV	ROUND	RPA
155-07	35	34	MS		MADBURY	155	0	2	9
155-08	36	35	MS	IAFFOLA INDUSTRIES	DOVER	155	2	2	9
155-09	37	36	NT	MADBURY METALS	MADBURY	155	1	2	9
155-10	38	37	MS		DOVER	155	0	2	9

Point/Non-Point Potential Pollution Sources

Metadata also available as

Frequently-anticipated questions:

What does this data set describe?

Title: Point/Non-Point Potential Pollution Sources

Abstract:

This coverage identifies selected types of point and non-point potential pollution sources including: combined sewer outfalls (CSOs), quarries, sand and gravel operations, sand and/or salt storage poles, septage/sludge application/lagoon/composting sites, snow dumps, and storm drains.

1. **How should this data set be cited?**

   New Hampshire Department of Environmental Services, New Hampshire Office of Energy and Planning, North Country Council Planning Commission, Lakes Region Planning Commission, Upper Valley - Lake Sunapee Regional Planning Commission, Southwest Regional 9 - Strafford Regional Planning Commission, Central NH Regional Planning Commission, Southern NH Planning Commission, Nashua Regional Planning Commission, and Commission, Rockingham Planning , 20050823, Point/Non-Point Potential Pollution Sources.

   Online Links:

   <ftp://ftp.des.state.nh.us/pub/GIS/Data/Point_NonPointPotentialPollutionSources/>

2. **What geographic area does the data set cover?**

   West_Bounding_Coordinate: -72.560116
   East_Bounding_Coordinate: -70.851339
   North_Bounding_Coordinate: 43.765940
   South_Bounding_Coordinate: 42.720661

3. **What does it look like?**

4. **Does the data set describe conditions during a particular time period?**

   Beginning_Date: 1991
   Ending_Date: 1995
   Currentness_Reference: Ground Date

5. **What is the general form of this data set?**

   Geospatial_Data_Presentation_Form: vector digital data

6. **How does the data set represent geographic features?**

   a. **How are geographic features stored in the data set?**

      This is a Vector data set. It contains the following vector data types (SDTS terminology):

      - G-polygon (345)

   b. **What coordinate system is used to represent geographic features?**

      Grid_Coordinate_System_Name: State Plane Coordinate System 1983
      State_Plane_Coordinate_System:
      SPCS_Zone_Identifier: 2800
      Transverse_Mercator:
      Scale_Factor_at_Central_Meridian: 0.999967
      Longitude_of_Central_Meridian: -71.666667
      Latitude_of_Projection_Origin: 42.500000
      False_Easting: 984250.000000
      False_Northing: 0.000000

      Planar coordinates are encoded using coordinate pair
      Abscissae (x-coordinates) are specified to the nearest 0.001024
      Ordinates (y-coordinates) are specified to the nearest 0.001024
      Planar coordinates are specified in survey feet

      The horizontal datum used is North American Datum of 1983.
      The ellipsoid used is Geodetic Reference System 80.
      The semi-major axis of the ellipsoid used is 6378137.000000.
      The flattening of the ellipsoid used is 1/298.257222.

7. **How does the data set describe geographic features?**

np_poly
Selected types of point and non-point potential pollution sources. (Source: NHDES)

FID
Internal feature number. (Source: ESRI)

Sequential unique whole numbers that are automatically generated.

Shape
Feature geometry. (Source: ESRI)

Coordinates defining the features.

AREA
A number field showing the area of feature in square feet (Source: NHDES)

Calculated value using ArcInfo.

PERIMETER
A number field showing the perimeter of feature in feet. (Source: NHDES)

Calculated value using ArcInfo.

SITE_ID
A string field showing the site ID number assigned to the feature by the NHDES GIS Program. It is of the format

<GRANIT_TILE_NUMBER>-<SITE#>, where Site# is an arbitrary sequential number. (This id can be used to refer to the original field notes.) (Source: NHDES)

Unique identifier created by NHDES incorporating the TILE_ (GRANIT Tile number).

TYPE

A string field holding an alpha code which identifies feature type. Some features represent more than one type; in these cases, the multiple types are comma-delimited. (Source: NHDES)

Value	Definition
CO	Combined sewer outfall.
CS	Septage/ sludge composting facility.
MQ	Mine, hardrock quarry.
MS	Mine, sand and gravel.
NT	No type indicated.
SC	Sand/ salt storage pile, covered.
SD	Storm drain.
SL	Septage/ sludge lagoon.
SN	Snow dump.
SS	Septage/ sludge landspreading.
SU	Sand/ salt storage pile, uncovered.
SX	Sand/ salt storage pile, covered or uncovered.

SITE_NAME

A string field holding the name of the site. (Source: NHDES)

The name of the site as provided to NHDES by the regional planning commissions.

SITE_ADD

A string field showing the street address for the site. (Source: NHDES)

The address of the site as provided to NHDES from the regional planning commission.

TOWN

A string field showing the town which the site is in. (Source: NHDES)

The town as registered with NHDES by the regional planning commission.

TILE_

A number field holding the GRANIT tile number. (Source: NHDES)

A unique number developed by GRANIT that reflects the basic tiles or modules corresponding to the USGS 7.5' quadrangles.

MAP_LOT

String field representing tax map and lot number. (Source: NHDES)

The tax map and lot as listed on the town tax map at the time of location.

ACTIVE

A string field indicating the status of the feature. (Source: NHDES)

Value	Definition
1	The feature is active.
2	The feature is currently inactive.
3	The feature has been abandoned. This implies that the inactive state is relatively permanent.

ROUND

A number field indicating the field season during which the data was collected. (Source: NHDES)

Value	Definition
1	1991
2	1992
3	1993
4	1994

RPA

A number field reflecting the source Planning Commission for the feature. (Source: NHDES)

Value	Definition
1	North Country Council
2	Lake Region
3	Upper Valley - Lake Sunapee Regional
4	Southwest Regional 9 (Strafford Regional)
5	Center New Hampshire Regional
6	Southern New Hampshire
7	Nashua Regional
8	Rockingham

Who produced the data set?

1. **Who are the originators of the data set?** (may include formal authors, digital compilers, and editors)

   New Hampshire Department of Environmental Services
   New Hampshire Office of Energy and Planning
   North Country Council Planning Commission
   Lakes Region Planning Commission
   Upper Valley - Lake Sunapee Regional Planning Commission
   Southwest Regional 9 - Strafford Regional Planning Commission
   Central NH Regional Planning Commission
   Southern NH Planning Commission
   Nashua Regional Planning Commission
   Rockingham Planning Commission

2. **Who also contributed to the data set?**

3. **To whom should users address questions about the data?**

   George Hastings
   New Hampshire Department of Environmental Services
   GIS Manager
   29 Hazen Drive, PO Box 95
   Concord, New Hampshire 03302

   603-271-3503 (voice)

Why was the data set created?

This coverage was developed as a joint effort between the New Hampshire Department of Environmental Services (NHDES), the New Hampshire Office of Energy and Planning (NHOEP), and the nine New Hampshire Planning Commissions to map selected types of point and non-point potential pollution sources.

How was the data set created?

1. **From what previous works were the data drawn?**

2. **How were the data generated, processed, and modified?**

   Date: 29-Oct-1999 (process 1 of 1)
   The majority of the features were field located on USGS paper quadrangles using traditional field methods (i.e., map/compass), transferred to mylar, and digitized by the respective Planning Commissions; features in towns covered by the Nashua Regional Planning Commission were located using differentially-corrected GPS data. Attribute data were edited/ entered by NHDES staff.

3. **What similar or related data should the user be aware of?**

How reliable are the data; what problems remain in the data set?

1. **How well have the observations been checked?**

2. **How accurate are the geographic locations?**

3. **How accurate are the heights or depths?**

4. **Where are the gaps in the data? What is missing?**

   Field data collection has been completed for approximately 93% of the state, excluding unincorporated townships. The following towns do not currently have non-point/point pollution source data due to an error of ommission in which field work was not done: Antrim, Bennington, Brookline, Francestown, Greenfield, Hancock, Mason. The following towns do not currently have non-point/point source since they represent unincorporated townships that will not be mapped: Hales Location, Atkinson & Gilmanton Academy Grant, Beans Grant, Beans Purchase, Cambridge, Chandlers Purchase, Crawfords Purchase, Cutts Grant, Dixs Grant, Dixville, Ervings Location, Greens Grant, Hadleys Purchase, Kilkenny, Low and Burbanks Grant, Martins Location, Millsfield, Odell, Pinkhams Grant, Sargents Purchase, Second College Grant, Success, Thompson and Meserve Purchase, Wentworths Location, Livermore, Antrim, Bennington, Francestown, Greenfield, Hancock, and Mason.

5. **How consistent are the relationships among the observations, including topology?**

   The features locations were reviewed by the respective Planning Commissions.

How can someone get a copy of the data set?

Are there legal restrictions on access or use of the data?

Access_Constraints: None
Use_Constraints:
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.

1. **Who distributes the data set?** (Distributor 1 of 1)

   NHDES
   29 Hazen Drive, PO Box 95
   Concord, New Hampshire 03302

   603-271-3503 (voice)

2. **What's the catalog number I need to order this data set?**

   Downloadable Data

3. **What legal disclaimers am I supposed to read?**

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

4. **How can I download or order the data?**

Availability in digital form:

Data format: ESRI shapefile Size: 0.059

Network links: <http://www.des.state.nh.us/>

Cost to order the data: No Fee for standard export

Special instructions:

Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Who wrote the metadata?

Dates:

Last modified: 06-Sep-2005

Metadata author:

NH Department of Environmental Services
c/o George Hastings
29 Hazen Drive, PO Box 95
Concord, New Hampshire 03302

603-271-3503 (voice)

Metadata standard:

FGDC Content Standards for Digital Geospatial Metadata (FGDC-STD-001-1998)

Metadata extensions used:

- <http://www.esri.com/metadata/esriprof80.html>

Generated by mp version 2.8.6 on Tue Sep 06 12:33:44 2005

Yellow Divider Sheet

RCRA / Hazardous Waste Generators

Data Souce: NHDES GIS Database December 2008

Data Shapefile: rsite.shp

Legend for database presented in the accompanying NHDES metadata file for RCRA / Hazardous Waste Generators

DESID	MASTERID	RCRA_	SITE_NAME	ADDRESS	TOWN	GEN_TYPE	GEN_SIZE	GEN_STATUS
10036	1388	NHD986482669	JACKSON ESTUARINE LABORATORY - UNH	85 ADAMS POINT ROAD	DURHAM	RCRA REGULATED	SQG(CESQG)	ACTIVE
10042	4886	NHD986466175	ELWYN PARK EXXON	1533 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
10043	4883	NHD092051572	ERIE SCIENTIFIC CO	20 POST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
10044	46147	NHD981202773	FLEET BANK	2909 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
10140	13686	NHD085585081	DATA GENERAL CORP	2460 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	FQG2(SQG)	DECLASSIFIED
10235	4881	NHD986467033	TOYOTA OF PORTSMOUTH	3612 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
10347	1844	NHD510096951	PORTSMOUTH COUNTRY CLUB	80 COUNTRY CLUB LN	GREENLAND	STATE REGULATED	NONE	INACTIVE
10545	3156	NHD986483337	NEW ENGLAND METAL RECYCLING	290 KNOX MARSH RD	MADBURY	STATE REGULATED	FQG1(LQG)	ACTIVE
10671	4930	NHD500020516	HIGHLINER FOODS	1 HIGHLINER AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
10672	4851	NHD122772478	AAMCO TRANSMISSIONS	3580 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
10673	4959	NHD056332588	RALPHS TRUCK SALES	2995 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	NONE	DECLASSIFIED
10674	4865	NHD108877929	QUALITY INSULATION OF PORTSMOUTH	360 CONSTITUTION AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
10675	4919	NHD510052012	MCLAUGHLIN MOVING CO	75 CONSTITUTION AVE	PORTSMOUTH	RCRA REGULATED	NONE	ACTIVE
10676	4957	NHD986484962	PSNH	1700 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
10677	4988	NHD000845727	SUNOCO SERVICE STATION	1400 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
10678	4917	NHD982755340	LAGO & SONS DAIRY	2299 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
10679	13704	NHD981890833	IAFOLLA JOHN COMPANY INC	PEVERLY HILL RD	PORTSMOUTH	RCRA REGULATED	FQG2(SQG)	INACTIVE
11028	4985	NHD069912608	T V C INC	284 CONSTITUTION	PORTSMOUTH		NONE	
11068	47685	NHD986466316	MEMORIES LAB	822 LAFAYETTE RD	HAMPTON	RCRA REGULATED	SQG(CESQG)	INACTIVE
11069	4896	NHD986467249	BOURNIVAL GROUP INC	2355 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	NONE	ACTIVE
11070	46210	NHD018959775	BENS AUTO BODY INC	11 MIRONA RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11071	13694	NHD053321394	GEORGES AUTO BODY	4 MIRONA RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11072	4927	NHD986472009	DYNATUNE	20 MIRONA RD	PORTSMOUTH	RCRA REGULATED	NONE	ACTIVE
11073	45985	NHD986468718	GERRYS AUTO CLINIC	375A BANFIELD RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
11074	46071	NHD986472520	US POST OFFICE	345 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11075	46067	NHD981068299	KOM WAVE CORP	124 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11076	46068	NHD986486777	DISETRONIC STERILE PRODUCTS INC	124 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	FQG2(SQG)	ACTIVE
11077	46070	NHD986484764	CARLISLE CAPITAL	85 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
11079	46259	NHD118087154	ERIE SCIENTIFIC COMPANY	6 POST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11080	46065	NHD510121098	DANTRAN INC	70 HERITAGE AVE	PORTSMOUTH	STATE REGULATED	SQG(CESQG)	INACTIVE
11081	46066	NHD982749806	NORTH ATLANTIC POWER PRODUCTS	225 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	NONE	ACTIVE

11082	13685	NHD986483410	COUNTRY MOTOR SALES	375 BANFIELD RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
11086	46059	NHD510121650	FEDEX	1 GRIFFIN RD	PORTSMOUTH	STATE REGULATED	SQG(CESQG)	ACTIVE
11099	46330	NHD982749707	RANDALL PRESS INC	210 WEST RD	PORTSMOUTH	RCRA REGULATED	FQG1(LQG)	INACTIVE
11100	46339	NHD982755597	SHIELDING SYSTEMS CORP	170 WEST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
11101	46334	NHD986468544	HANSCOMS TRUCK STOP INC	60 WEST RD	PORTSMOUTH	OUT OF STATE	NONE	ACTIVE
11102	46242	NHD039691720	PORTSMOUTH AUTO BODY CENTER	700 PEVERLY HILL RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11103	46182	NHD982753758	DOOLITTLE DOUG	138 LEAVITT ST	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11125	46287	NHD986485985	AD CETERA GRAPHICS	692 SAGAMORE AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11142	4996	NHD056331481	WOOD BROS MOVING & STORAGE INC	3607 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
11143	46140	NHD980916159	COASTAL TRUCK & AUTO BODY INC	3600 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
11144	55030	NHD981074404	CARMERICA	406 RTE 1 BYPASS	PORTSMOUTH	STATE REGULATED	FQG2(SQG)	DECLASSIFIED
11145	4995	NHD986484285	BELLEMORE HEATING OIL INC	3000 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11146	46178	NHD184860344	PORTSMOUTH HYUNDAI	2875 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
11147	46155	NHD986472116	HAN CLEANERS LLC	2454 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	NON-NOTIFIER
11150	46167	NHD510125875	ROCKY COAST PRINT WORKS	2080 LAFAYETTE RD	PORTSMOUTH	STATE REGULATED	SQG(CESQG)	INACTIVE
11151	46293	NHD986486587	STRAWBERRY BANK PRINT SHOP	38 SHERBURNE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11474	49658	NHD986484210	R & L AUTOMOTIVE MACHINE	308 DURHAM RD	DOVER	RCRA REGULATED	SQG(CESQG)	ACTIVE
11479	49641	NHD986469336	ODYSSEY PRESS INC	113 CROSBY RD	DOVER	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11480	49636	NHD981072614	HIREL SYSTEMS LLC	140 CROSBY RD	DOVER	RCRA REGULATED	SQG(CESQG)	ACTIVE
11481	49638	NHD062004023	BAYHEAD PRODUCTS CORP	173 CROSBY RD	DOVER	RCRA REGULATED	NONE	INACTIVE
11482	49639	NHD986486272	AD-PAK SPRINGSHOUSE SALES INC	CROSBY RD IND PK	DOVER	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11483	49663	NHD986484251	TURBOCAM INC	5 FARADAY DR	DOVER	RCRA REGULATED	SQG(CESQG)	ACTIVE
11484	18258	NHD071960975	COGEBI INC	14 FARADAY DR	DOVER	RCRA REGULATED	NONE	DECLASSIFIED
11485	49640	NHD986472280	AUTOMOTIVE PRODUCTS VALIDATION CTR TEXTRON	116 CROSBY RD	DOVER	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11542	13932	NHD986473312	ADAM HASTEYS AUTO COLLISION INC	25 LAFAYETTE RD	RYE	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11664	44106	NHD981890932	IAFFOLA CONSTRUCTION CO	RTE 9	MADBURY	RCRA REGULATED	SQG(CESQG)	INACTIVE
11713	44105	NHD986468767	PETER L MASON AUTO REPAIR	RTE 108	MADBURY	STATE REGULATED	NONE	ACTIVE
11751	49511	NHD986482610	COLBURNS	178 FOX POINT RD	NEWINGTON	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11779	15916	NHD019466549	NOVEL IRON WORKS INC	250 OCEAN RD	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
11780	44584	NHD500003868	PORT CITY TECH INC	17 AUTUMN POND PK	GREENLAND	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11781	44595	NHD982745127	NATIONAL WRECKER INC	423 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11782	46896	NHD986473494	CUSTOM BY FOSS	437 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
11783	44596	NHD510068141	REP LEASING	749 PORTSMOUTH AVE	GREENLAND		SQG(CESQG)	INACTIVE
11784	44597	NHD510126915	SEACOAST OUTDOOR POWER EQUIP	633 PORTSMOUTH AVE	GREENLAND	STATE REGULATED	SQG(CESQG)	INACTIVE
12297	46304	NHD510062466	LARUES FIREARMS INC	150 SPAULDING TPKE	PORTSMOUTH		SQG(CESQG)	INACTIVE
12298	46077	NHD500002720	OWL SEPARATION SYSTEMS	55 HERITAGE DR	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
12938	46142	NHD510102064	DOUGS AUTO WORKS	3605 LAFAYETTE RD	PORTSMOUTH		SQG(CESQG)	INACTIVE

12939	46176	NHD500003116	WAL MART SUPERCENTER 2130	2460 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
12940	46181	NHD986485936	NEW ENGLAND PRINTING CORP	2454 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
13605	44586	NHD500003181	T H MODIFIERS INC	434 COMMERCIAL PK	GREENLAND	RCRA REGULATED	SQG(CESQG)	INACTIVE
15026	1843	NHD981072705	VERIZON NEW ENGLAND	RTE 33	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
15027	1841	NHD986482602	GREENLAND MOBILE	437 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	NONE	ACTIVE
15097	54327	NHD986474070	CUSTOM AUTO BODY	178 FOX POINT RD	NEWINGTON	RCRA REGULATED	SQG(CESQG)	INACTIVE
15099	55864	NHD510120405	PORT CITY TECH INC	10 AUTUMN POND PK	GREENLAND	STATE REGULATED	SQG(CESQG)	INACTIVE
15720	45994	NHD510006661	TRI-RENT-ALL OF PORTSMOUTH INC	15 BANFIELD RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
15722	46222	NHD510154032	BRIGHAM TOOL & DIE CO	30 MIRONA RD EXT	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
15723	46216	NHD500008461	PORTSMOUTH USED CAR CENTER	180 MIRONA RD	PORTSMOUTH	STATE REGULATED	NONE	ACTIVE
15724	46338	NHD510012396	NORTHERN UTILITIES INC	325 WEST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15725	46337	NHD500021357	NATIONAL WRECKER INC	295 WEST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15726	46331	NHD510005655	CORNING INC	170 WEST RD	PORTSMOUTH	RCRA REGULATED	NONE	DECLASSIFIED
15727	46022	NHD510150907	K A I TECHNOLOGIES LLC	199 CONSTITUTION AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
15728	46074	NHD510000227	RESOURCE LABORATORIES LLC	124 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	FQG2(SQG)	ACTIVE
15729	54125	NHD510158538	ON DEMAND IMAGING	350 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
15730	46073	NHD500019005	EVEREST A DIV OF WRIGHT-LINE	345 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
15731	46163	NHD500023213	PORTSMOUTH AUTO TRENDS	3660 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15732	55508	NHD510158371	COMPETITION MOTORS LTD	40 LONGMEADOW RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15733	46137	NHD500031463	BOSTON LAWNMOWER CO INC THE	2600 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15734	46171	NHD510009541	WE CARE DRY CLEANING	2800 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15735	46180	NHD500023544	FISHBEIN JAMES S DDS	2456 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
15736	46281	NHD510004815	SHAWS SUPERMARKETS INC	2400 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	NONE	DECLASSIFIED
15737	46159	NHD510133259	MEINEKE DISCOUNT MUFFLERS	2200 LAFAYETTE RD	PORTSMOUTH	STATE REGULATED	NONE	ACTIVE
15751	43534	NHD510156342	BREAKFAST HILL CHIROPRATIC	1247 WASHINGTON RD	RYE	RCRA REGULATED	NONE	ACTIVE
15752	43518	NHD500022355	DEPOT HONDA	50 LAFAYETTE RD	RYE	RCRA REGULATED	SQG(CESQG)	ACTIVE
15754	44590	NHD500006804	BESWICK ENGINEERING CO INC	284 OCEAN RD	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
15755	44580	NHD510132699	PRECISION GLASS	6 ALDEN AVE	GREENLAND	STATE REGULATED	SQG(CESQG)	DECLASSIFIED
15771	44103	NHD510013600	ALLADIN AUTO	309 KNOX MARSH RD	MADBURY	RCRA REGULATED	NONE	INACTIVE
15773	1279	NHD500012638	FIBREDYNE INC	47 CROSBY RD	DOVER	RCRA REGULATED	SQG(CESQG)	ACTIVE
15774	49660	NHD500021555	CHAUVIN ARNOUX INC	15 FARADAY DR	DOVER	RCRA REGULATED	NONE	INACTIVE
15775	18265	NHD500018874	PIKE INDUSTRIES INC	LITTLEWORTH RD	MADBURY	RCRA REGULATED	SQG(CESQG)	ACTIVE
15776	1291	NHD500018643	C A B SERVICES INC	72 LITTLEWORTH RD	DOVER	RCRA REGULATED	NONE	ACTIVE
15812	14635	NHD500003561	B & B OFFSET PRINTING CO	314 RTE 108	MADBURY	RCRA REGULATED	SQG(CESQG)	DECLASSIFIED
16477	4875	NHD510153315	PORTSMOUTH DPW	680 PEVERLY HILL RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
16483	13756	NHD500018718	PIKE INDUSTRIES INC	650 PEVERLY HILL RD	PORTSMOUTH	RCRA REGULATED	FQG2(SQG)	ACTIVE
16515	56475	NHD510174071	TRI RENT ALL OF PORTSMOUTH INC	10 MIRONA RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE

16516	54642	NHD510167455	SEACOAST PRINTING INC	140 WEST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
16517	56817	NHD510174584	DEAD RIVER OIL	100 WEST RD	PORTSMOUTH	STATE REGULATED	NONE	ACTIVE
16518	55468	NHD510171903	RITE AID CORP 10290	1500 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	FQG2(SQG)	ACTIVE
16519	55220	NHD510170483	ERIE SCIENTIFIC CO	175 HERITAGE AVE	PORTSMOUTH	RCRA REGULATED	NONE	DECLASSIFIED
16521	46004	NHD500018965	CHADWICK & TREFETHEN INC	50 BORTHWICK AVE	PORTSMOUTH	RCRA REGULATED	NONE	ACTIVE
16531	15919	NHD510007099	PISCATAQUA TRANS INC	583 OLD PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	NONE	INACTIVE
16544	44593	NHD510154107	EASY-WAY CLEANERS INC	650 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
16545	1839	NHD500014568	CUMBERLAND FARMS 2821	645 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	NONE	INACTIVE
16546	55147	NHD510170152	REFLECTIONS AUTO PAINTING & BODY WORKS INC	676 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
16547	56324	NHD510173529	BAYSIDE PAVING LLC	676 PORTSMOUTH AVE	GREENLAND	RCRA REGULATED	NONE	ACTIVE
16567	57389	NHD510176068	RYE DENTAL CENTER	475 WASHINGTON RD	RYE	RCRA REGULATED	SQG(CESQG)	PRELIMINARY
16780	13700	NHD500014527	BAUMANN H D INC	35 MIRONA RD	PORTSMOUTH	RCRA REGULATED	NONE	DECLASSIFIED
16786	49536	NH7570024847	AIR FORCE REAL PROPERTY AGENCY	20 SHORT ST	NEWINGTON	RCRA REGULATED	FQG1(LQG)	ACTIVE
17046	0	NHD510183874	DREHER HOLLOWAY AUTO BODY	18 AUTUMN POND PARK RD	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
17047	0	NHD510173511	GREENLAND AUTO BODY	43 ALDEN AVE	GREENLAND	RCRA REGULATED	SQG(CESQG)	ACTIVE
17058	0	NHD040229965	SCHULMAN DDS LISA	200 GRIFFIN RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17059	0	NHD510168107	PORTSMOUTH USED CAR SUPER STORE	2219 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17060	0	NHD510178080	FAMILIES FIRST HEALTH AND SUPPORT CENTER	100 CAMPUS DR	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17061	0	NHD510180821	MICRONICS INC	200 WEST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17063	0	NHD510182199	CLEAR CHANNEL COMMUNICATION	815 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
17078	0	NHD040229965	SCHULMAN DDS LISA	200 GRIFFIN RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17079	0	NHD510168107	PORTSMOUTH USED CAR SUPER STORE	2219 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17080	0	NHD510178080	FAMILIES FIRST HEALTH AND SUPPORT CENTER	100 CAMPUS DR	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17081	0	NHD510180821	MICRONICS INC	200 WEST RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	ACTIVE
17083	0	NHD510182199	CLEAR CHANNEL COMMUNICATION	815 LAFAYETTE RD	PORTSMOUTH	RCRA REGULATED	SQG(CESQG)	INACTIVE
17136	0	NHD510177686	DURHAM SOLID WASTE MGMT FAC TOWN OF	100 DURHAM POINT RD	DURHAM	RCRA REGULATED	SQG(CESQG)	ACTIVE
17140	0	NHD510183049	M W MOORE INC	14 CROSBY RD	DOVER	RCRA REGULATED	SQG(CESQG)	ACTIVE
17141	0	NHD510181977	C A DESIGN INC	180 CROSBY RD	DOVER	RCRA REGULATED	FQG2(SQG)	ACTIVE

RCRA/ Hazardous Waste Generators

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20060928
Title: RCRA/ Hazardous Waste Generators
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: <ftp://ftp.des.state.nh.us/pub/GIS/Data/RCRA/>
Description:
Abstract:
The coverage contains locations of facilities generating hazardous waste for the State of New Hampshire, regulated under EPA's Resource Conservation and Recovery Act (RCRA) program.
Purpose:
The dataset was developed to assist in source water protection efforts and to aid in prioritization of inspection staff resources.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1994
Ending_Date: 2006
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: Irregular
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.410854
East_Bounding_Coordinate: -71.038914
North_Bounding_Coordinate: 44.869380
South_Bounding_Coordinate: 42.772350
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: RCRA
Theme_Keyword: Hazardous Waste Generators
Theme_Keyword: Potential contamination sources
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.

Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Deb Soule
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Data Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

Data_Quality_Information:
Logical_Consistency_Report:
Periodically locations are checked for accuracy by comparing database town location vs coverage location. Also checks are made against other coverages of similar nature (such as other facility type coverages) which have facility overlap.
Completeness_Report:
The data are complete as of the publication date. Any additions or changes to will be made as resources are available. Newer facilities are likely not shown in the dataset.
Lineage:
Process_Step:
Process_Description:
In the past before GPS was common, locations were developed by locating sites on topographic maps, transferring the locations to mylar, and then digitizing them. Others were copied from other coverages which held the same facilities. Another method (and the one used predominantly now) is to locate features using global positions system (GPS) technology and differentially correcting the data.
Process_Date: 20050624
Process_Step:
Process_Description: Dataset copied.
Source_Used_Citation_Abbreviation: M:\gwp30\rarea_p

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 17

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet

Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: rarea_p
Entity_Type_Definition: RCRA facility locations.
Entity_Type_Definition_Source: NHDES
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: DESID
Attribute_Definition:
Number field showing internal NHDES feature ID number used for GIS mapping programs.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier generated by NHDES
Attribute:
Attribute_Label: MASTERID
Attribute_Definition:
A number field showing the NH Department of Environmental Services' master (universal) ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique database ID created by NHDES.
Attribute:
Attribute_Label: RCRA_
Attribute_Definition: A text field showing the RCRA program's ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique ID set by NHDES.
Attribute:
Attribute_Label: SITE_NAME
Attribute_Definition: A text field showing the site (facility) name.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The name as registered with NHDES.
Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: A text field showing the address of the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The address as registered with NHDES.
Attribute:
Attribute_Label: ADDRESS2
Attribute_Definition: A text field showing the second address line for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The address as registered with NHDES.
Attribute:
Attribute_Label: TOWN

Attribute_Definition: A text field displaying the town where facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The town in which the facility is registered at NHDES.

Attribute:
Attribute_Label: GEN_TYPE
Attribute_Definition: A text field showing the type of waste generator.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: Out of State
Enumerated_Domain_Value_Definition:
Another state's rules require the site to get an EPAID number, but NHDES does not regulate them.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: RCRA regulated
Enumerated_Domain_Value_Definition:
Federal rules require the site to be regulated, NHDES regulates it.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: State Regulated
Enumerated_Domain_Value_Definition:
New Hampshire reules require the site to be regulated, NHDES regulates the site, but it is not regulated by federal rules.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NULL
Enumerated_Domain_Value_Definition: Site is not a generator or no data.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: GEN_SIZE
Attribute_Definition:
A text field showing the general size classification of the generator in terms of amount of waste produced.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Classification set by NHDES.

Attribute:
Attribute_Label: GEN_STATUS
Attribute_Definition: A text field showing the status of the generator.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: Active
Enumerated_Domain_Value_Definition: The generator is actively generating wastes.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Inactive
Enumerated_Domain_Value_Definition: The generator is NOT actively generating wastes.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Unknown
Enumerated_Domain_Value_Definition: The status of the generator is unknown.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: X_COORD
Attribute_Definition: The longtitude coordinate in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Attribute:
Attribute_Label: Y_COORD
Attribute_Definition: The latitude coordinate in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.183
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>
Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkeage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20061114
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Environmental Services
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by [illegible] version 2.8.6 on Tue Nov 14 15:04:06 2006

Yellow Divider Sheet

Site Remediation and Groundwater Hazard Inventory (c_site)

Data Souce: NHDES GIS Database December 2008

Data Shapefile: csite.shp

Legend for database presented in the accompanying NHDES metadata file for Site Remediation and Groundwater Hazard Inventory (c_site)

DESID	DATASOURCE	TYPE	MASTERID	SITE_	SITE_NAME	ADDRESS	TOWN	PROJ_TYPE	STAFF	RISK
10340	DES-DIG	C	1291	198707001	C.A.B. SERVICES, INC.	72 LITTLEWORTH RD	DOVER	HAZWASTE	CLOSED	8
10349	DES-DIG	C	14639	198903053	KINGMAN FARM	ROUTE 155	MADBURY	SLUDGAP	CLOSED	8
10358	DES-DIG	C	3156	198705022	NE METAL RECYCLING (FMR MADBURY METALS)	290 KNOX MARSH ROAD (RT 155)	MADBURY	LAND/UNLN	BEBLOWSKI	1
10403	DES-DIG	C	4353	198404025	PAFB REMEDIATION UST GENERAL	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
10405	DES-DIG	C	4353	198404025	PAFB REMEDIATION UST GENERAL	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
10406	DES-DIG	C	4353	198404025	PAFB REMEDIATION UST GENERAL	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
10407	DES-DIG	C	1388	198401062	JACKSON ESTUARINE LAB	85 ADAMS POINT ROAD	DURHAM	LUST	CLOSED	8
10408	DES-DIG	C	1388	198401062	JACKSON ESTUARINE LAB	85 ADAMS POINT ROAD	DURHAM	UIC	REGISTRATION	2
10409	DES-DIG	C	4353	198404025	PAFB REMEDIATION UST GENERAL	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
10410	DES-DIG	C	4353	198404025	PAFB REMEDIATION UST GENERAL	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
10413	DES-DIG	C	4353	198404025	PAFB REMEDIATION UST GENERAL	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
10446	DES-DIG	C	4910	199008028	GRIFFIN PROPERTY	GRIFFIN RD.	PORTSMOUTH	LUST	CLOSED	8
10453	DES-DIG	C	13713	199103050	LAFAYETTE CROSSING CONDO PROPERTY	115 MIRONA ROAD	PORTSMOUTH	LAND/UNLN	CLOSED	8
10465	DES-DIG	CU	4886	199103039	EXXON DIV OF CFI 70119	1475 LAFAYETTE RD	PORTSMOUTH	UIC, LUST	CLOSED, PERMITS-MANAGEMENT	8, 6
10473	DES-DIG	CU	1841	198905045	GREENLAND MOBIL	437 PORTSMOUTH AVE	GREENLAND	LUST	WHIPPLE	2
10478	DES-DIG	CU	1839	198906010	CUMBERLAND FARMS 2821	645 PORTSMOUTH AVE	GREENLAND	LUST, UIC	BERUBE, CLOSED	2, 8
10479	DES-DIG	C	4883	198500038	PORTSMOUTH IND'L PARK (ERIE SCIENTIFIC)	POST ROAD	PORTSMOUTH	HAZWASTE, UIC	CLOSED, CLOSED	8, 8
10484	DES-DIG	C	13666	199101066	2837 LAFAYETTE ROAD	2837 LAFAYETTE ROAD	PORTSMOUTH	SITEEVAL	CLOSED	8
10490	DES-DIG	C	13765	198405001	PORTSMOUTH SUBARU	2909 LAFAYETTE PLACE	PORTSMOUTH	SITEEVAL	CLOSED	8
10501	DES-DIG	C	13772	199101064	THOMPSON & CABRAL PROPERTY	LAFAYETTE (BTWN 3611 & 3613)	PORTSMOUTH	SITEEVAL	CLOSED	8
10510	DES-DIG	C	13933	198405018	LONGSTREET CONSTRUCTION COMPANY	ROUTE 1	RYE	H2O_SAMPLE	CLOSED	8
10513	DES-DIG	C	13923	198405019	CGC DIV OF NEWMARKET	300 LAFAYETTE RD.	RYE	UIC	REGISTRATION	NDY
10516	DES-DIG	C	54487	200103045	RYE PUBLIC WORKS FACILITY	309 GROVE ST	RYE	TRANS_STA	CLOSED	8
11104	DES-DIG	C	14644	198809005	OYSTER RIVER SC.DIST - ELEMENTARY SCHOOL	LEE RD. (RT. 155)	MADBURY	UIC	CLOSED	8
11107	DES-DIG	C	1250	199111006	CYNTHIA MILNE	FARADAY DRIVE	DOVER	LUST	CLOSED	8
11109	DES-DIG	C	14636	199191013	CARBONE PROPERTY-FORMER GARRISON MOTORS	191 LITTLEWORTH ROAD	MADBURY	LUST	CLOSED	8
11310	DES-DIG	CU	4867	198904042	GIBBS OIL CO LTD PARTNERSHIP	2975 LAFAYETTE RD	PORTSMOUTH	LUST	CLOSED	8
11311	DES-DIG	C	13686	199012010	DATA GENERAL CORP	2460 LAFAYETTE ROAD	PORTSMOUTH	HAZWASTE	CLOSED	8
11312	DES-DIG	C	13680	199109003	BURGER KING OF PORTSMOUTH	2223 LAFAYETTE ROAD (RTE 1)	PORTSMOUTH	SITEEVAL	CLOSED	8
11313	DES-DIG	C	4917	199102005	LAGO & SONS INC. (HOOD DAIRY PRODUCTS)	2299 LAFAYETTE RD.	PORTSMOUTH	LUST	CLOSED	8
11314	DES-DIG	CU	4979	198805004	STEF'S CABIN PROPERTY	2219 LAFAYETTE ROAD	PORTSMOUTH	LUST	PERMITS-MANAGEMENT	6

11813	DES-DIG	CU	4879	199210032	DONDERO SCHOOL	VAN BUREN AVE	PORTSMOUTH	LUST	CLOSED	8
11991	DES-DIG	C	17199	100330321	MCINTYRE BROOK	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
12313	DES-DIG	C	15172	199208016	FORMER GRANITE STATE TOOL & DIE	308 DURHAM ROAD (RTE 108)	DOVER	UIC	CLOSED	8
12314	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12315	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12316	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12317	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12318	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12319	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12320	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12321	DES-DIG	C	15140	199301010	FARMWOOD VILLAGE MOBILE HOME PARK	DURHAM ROAD	DOVER	SPILL/RLS	CLOSED	8
12344	DES-DIG	CU	5200	199309047	FEATHERBED INVESTORS	1000 WASHINGTON ROAD	RYE	LUST	CLOSED	8
12345	DES-DIG	C	4995	199302008	BELLMORE OIL	3000 LAFAYETTE RD	PORTSMOUTH	UIC	CLOSED	8
12346	DES-DIG	C	4995	199302008	BELLMORE OIL	3000 LAFAYETTE RD	PORTSMOUTH	HAZWASTE	CLOSED	8
12347	DES-DIG	CU	4985	199210025	TVC INC	284 CONSTITUTION AVE	PORTSMOUTH	LUST	CLOSED	8
12348	DES-DIG	C	1841	198905045	GREENLAND MOBIL	437 PORTSMOUTH AVE	GREENLAND	UIC	CLOSED	8
12349	DES-DIG	C	13925	199306018	DONALD GLINES	30 ADAMS MOBILE HOME PARK	RYE	OPUF	CLOSED	8
12350	DES-DIG	C	4881	199212022	EDWARDS TOYOTA	3612 LAFAYETTE RD	PORTSMOUTH	LUST	CLOSED	8
12923	DES-GPS/C	C	15910	199503025	BREAKFAST HILL CROSSING (PLAZA)	611 BREAKFAST HILL ROAD	GREENLAND	UIC	REGISTRATION	NDY
13099	DES-GPS/C	C	14635	199410032	B & B PRINTING	314 ROUTE 108	MADBURY	UIC	CLOSED	8
13100	DES-GPS/C	C	14637	199411014	ELLIOT ROSE CO.	RTE 155	MADBURY	OPUF	CLOSED	8
13101	DES-GPS/C	C	15172	199208016	FORMER GRANITE STATE TOOL & DIE	308 DURHAM ROAD (RTE 108)	DOVER	OPUF	CLOSED	8
13144	DES-GPS/C	CA	4995	199302008	BELLMORE OIL	3000 LAFAYETTE RD	PORTSMOUTH	LAST	CLOSED	8
13145	DES-GPS/C	C	13771	199408045	STRATHAM TIRE CO., INC.	2909 LAFAYETTE ROAD	PORTSMOUTH	UIC	CLOSED	8
13146	DES-GPS/C	C	13689	199412025	DINNERHORN RESTAURANT	980 LAFAYETTE ROAD	PORTSMOUTH	SPILL/RLS	CLOSED	8
13147	DES-GPS/C	C	13704	198404085	IAFOLLA SITE	PEVERLY HILL	PORTSMOUTH	HAZWASTE	CLOSED	8
13152	DES-GPS/C	C	13685	199408047	FORMER COUNTRY MOTOR SALES	375 BANFIELD ROAD	PORTSMOUTH	UIC	CLOSED	8
13163	DES-GPS/C	C	17234	100330824	PEVERLY BROOK & POND WATERWAY	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	NDY
13164	DES-GPS/C	C	17180	100330509	CONSTRUCTION RUBBLE DUMP 1	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
13170	DES-GPS/C	C	17231	100330216	PCB SPILL SITE (410.10 & 410.20 REC'VR)	PEASE AIR FORCE BASE	NEWINGTON	LUST	HILTON	2
13180	DES-GPS/C	C	13734	100333540	PAFB 354.00 AF LIGHT VAULT	PEASE AIR FORCE BASE	PORTSMOUTH	LUST	CLOSED	8
13181	DES-GPS/C	C	13747	100331117	PAFB PUMP HOUSE 7	PEASE AIR FORCE BASE	PORTSMOUTH	LUST	CLOSED	8
13182	DES-GPS/C	C	13749	100331118	PAFB PUMP HOUSE 8	PEASE AIR FORCE BASE	PORTSMOUTH	LUST	CLOSED	8
13183	DES-GPS/C	C	4353	100331119	PAFB PUMP HOUSE 9	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
13184	DES-GPS/C	C	4353	100331110	PAFB PUMP HOUSE 10	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
13194	DES-GPS/C	C	17215	100334200	PAFB 420.10, 420.20 TRANSCEIVER SITE	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
13195	DES-GPS/C	C	17202	100330612	MUNITIONS MAINT/DOG KEN 431/WSA 439	PEASE AIR FORCE BASE	NEWINGTON	LUST, LUST	CLOSED, CLOSED	8, 8

13196	DES-GPS/C	C	17217	100334340	PAFB 434.00 WSA SITE	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
13476	DES-GPS/C	C	16404	199504018	SWEETSER RESIDENCE	37 CANNEY RD.	DURHAM	OPUF	CLOSED	8
13477	DES-GPS/C	C	16399	199411032	OTIS SPROUL	8 GARRISH DR.	DURHAM	OPUF	CLOSED	8
13480	DES-GPS/C	C	13694	199505001	GEORGE'S AUTO-BODY	4 MIRONA ROAD	PORTSMOUTH	HAZWASTE	UNASSIGNED	7
13481	DES-GPS/C	C	13700	199503047	H.D. BAUMANN ASSOCIATES, LTD.	35 MIRONA ROAD	PORTSMOUTH	HAZWASTE	CLOSED	8
13482	DES-GPS/C	C	13703	199502011	HILL CREST MOBILE HOME PARK	LOT # 303	PORTSMOUTH	OPUF	CLOSED	8
13624	DES-GPS/C	C	13924	199606044	CINDY BUTTON	LOT 32 ADAMS MHP	RYE	OPUF	CLOSED	8
13638	DES-GPS/C	C	4876	199605033	PORTSMOUTH USED CAR CENTER	180 MIRONA ROAD	PORTSMOUTH	HAZWASTE	UNASSIGNED	7
13751	DES-DIG	CU	1843	199603018	NYNEX FACILITY	ROUTE 33	GREENLAND	LUST, UIC	PERMITS-MANAGEMENT, CLOSED	6, 8
13868	DES-DIG	C	13919	199702003	ADAMS MOBILE HOME PARK	ROUTE 101	RYE	ETHER	MTBE MONITORING	8
13869	DES-DIG	C	13919	199702003	ADAMS MOBILE HOME PARK	ROUTE 101	RYE	ETHER	MTBE MONITORING	8
14219	DES-GPS/C	C	15157	199703031	PRUVEN CONCRETE CORPORATION	MAST ROAD	DOVER	UIC, HAZWASTE	CLOSED, CLOSED	8, 8
14227	DES-GPS/C	C	14642	199610011	MARTEL DUMP SITE	PUDDING HILL ROAD	MADBURY	LAND/UNLN	UNASSIGNED	2
14247	DES-GPS/C	C	13671	199709028	ARTISAN OUTLET	72 MIRONA ROAD	PORTSMOUTH	HAZWASTE	CLOSED	8
14248	DES-GPS/C	C	4979	198805004	STEF'S CABIN PROPERTY	2219 LAFAYETTE ROAD	PORTSMOUTH	SPILL/RLS	CLOSED	8
14250	DES-GPS/C	C	4875	199706017	DEPT OF PUBLIC WORKS	680 PEVERLY HILL RD	PORTSMOUTH	MOST	CLOSED	8
14251	DES-GPS/C	C	13682	199602040	CLAUDE FORD	407 HILLCREST ESTATES	PORTSMOUTH	OPUF	CLOSED	8
14323	DES-GPS/C	C	5213	199611018	RYE JUNIOR HIGH SCHOOL	501 WASHINGTON RD	RYE	OPUF	CLOSED	8
14324	DES-GPS/C	C	13945	199702007	RYE POLICE DEPARTMENT	37 CENTRAL ROAD	RYE	SPILL/RLS	CLOSED	8
14389	DES-DIG	CU	5208	199707042	SOUTHWIND GROCERIES/TOP GAS	150 LAFAYETTE RD	RYE	LUST	CLOSED	8
14393	DES-DIG	CU	4343	199804022	NEWINGTON TOWN GARAGE	356 NIMBLE HILL ROAD	NEWINGTON	LUST	CLOSED	8
14669	DES-GPS/C	C	1845	199705021	RICHARD BARTLETT	276 PORTSMOUTH AVE.	GREENLAND	LUST	CLOSED	8
14670	DES-GPS/C	C	1845	199705021	RICHARD BARTLETT	276 PORTSMOUTH AVE.	GREENLAND	LUST	CLOSED	8
14733	DES-GPS/C	C	13932	199802065	KIMBALL AUTO BODY	25 LAFAYETTE ROAD	RYE	UIC, UIC	CLOSED, CLOSED	8, 8
14838	DES-GPS/C	C	14640	199906053	PORTSMOUTH WATER DIVISION -WWTP	60 FRESHET RD	MADBURY	UIC	REGISTRATION	8
15017	DES-DIG	CU	4891	199805034	145 HERITAGE AVENUE	145 HERITAGE AVE	PORTSMOUTH	LUST	CLOSED	8
15018	DES-DIG	CU	4865	199807058	QUALITY INSULATION (FRM BROWNING FERRIS)	360 CONSTITUTION AVE.	PORTSMOUTH	SPILL/RLS	CLOSED	8
15021	DES-DIG	CU	4882	200001019	ENVI AUTO CARE, INC.	2468 LAFAYETTE RD.	PORTSMOUTH	LUST	PERMITS-MANAGEMENT	6
15061	DES-GPS/C	C	4343	199804022	NEWINGTON TOWN GARAGE	356 NIMBLE HILL ROAD	NEWINGTON	UIC	UNASSIGNED	3
15070	DES-GPS/C	C	13773	199904033	TOM HAUGHEY RESIDENCE	50 SWETT AVENUE	PORTSMOUTH	OPUF	CLOSED	8
15071	DES-GPS/C	C	4891	199805034	145 HERITAGE AVENUE	145 HERITAGE AVE	PORTSMOUTH	UIC	CLOSED	8
15072	DES-GPS/C	C	4914	199904048	JOHN KANOULES	2859 LAFAYETTE ROAD	PORTSMOUTH	OPUF	CLOSED	8
15073	DES-GPS/C	C	13673	199908022	BARBARA HAYES	34 WILSON ROAD	PORTSMOUTH	OPUF	CLOSED	8
15074	DES-GPS/C	C	13694	199505001	GEORGE'S AUTO-BODY	4 MIRONA ROAD	PORTSMOUTH	UIC	CLOSED	8
15075	DES-GPS/C	C	4875	199706017	DEPT OF PUBLIC WORKS	680 PEVERLY HILL RD	PORTSMOUTH	HAZWASTE	UNASSIGNED	7
15076	DES-GPS/C	C	4865	199807058	QUALITY INSULATION (FRM BROWNING FERRIS)	360 CONSTITUTION AVE.	PORTSMOUTH	SPILL/RLS	CLOSED	8
15077	DES-GPS/C	C	13721	199902044	NORMAN PENNEY	324 HILLCREST ESTATES	PORTSMOUTH	OPUF	CLOSED	8

15079	DES-GPS/C	C	13940	199909029	ROBERT SCRUTON	10 HUNTER'S RUN ROAD	RYE	OPUF	CLOSED	8
15081	DES-GPS/C	C	15919	199902015	PISCATAQUA TRANS, INC.	583 OLD PORTSMOUTH AVE	GREENLAND	SPILL/RLS	CLOSED	8
15093	DES-GPS/C	C	17183	199902026	ESTATE OF NELL DE ROCHEMONT	178 FOX POINT ROAD	NEWINGTON	OPUF	CLOSED	8
15097	DES-GPS/C	C	50616	199912041	RODNEY GARDNER RESIDENCE	507 PORTSMOUTH AVE	GREENLAND	OPUF	CLOSED	8
15108	DES-DIG	C	50769	200001049	PORTSMOUTH WATER DEPT (COLLINS)	HARVARD STREET	PORTSMOUTH	UIC, UIC	CLOSED, CLOSED	8, 8
15109	DES-DIG	C	50770	200001048	PORTSMOUTH WATER DEPT	SHERBURN ROAD	PORTSMOUTH	UIC	CLOSED	8
15111	DES-DIG	C	50774	200005007	PORTSMOUTH WATER WORKS	GRIFFIN ROAD	PORTSMOUTH	UIC	CLOSED	8
15165	DES-GPS/C	C	14643	199906058	MRS. ROBERT JONES RESIDENCE	1 FRESHETT ROAD	MADBURY	OPUF	CLOSED	8
15178	DES-GPS/C	C	13920	199902003	BETH MULLEN	120 LAFAYETTE ROAD, UNIT 41	RYE	OPUF	CLOSED	8
15268	DES-DIG	C	14640	199906053	PORTSMOUTH WATER DIVISION -WWTP	60 FRESHET RD	MADBURY	UIC	CLOSED	8
15269	DES-DIG	C	14640	199906053	PORTSMOUTH WATER DIVISION -WWTP	60 FRESHET RD	MADBURY	UIC	CLOSED	8
15763	DES-GPS/C	CA	54487	200103045	RYE PUBLIC WORKS FACILITY	309 GROVE ST	RYE	UIC	CLOSED	8
15767	DES-GPS/C	C	4867	198904042	GIBBS OIL CO LTD PARTNERSHIP	2975 LAFAYETTE RD	PORTSMOUTH	LUST	CLOSED	8
15809	DES-GPS/C	C	17213	100334140	PAFB 414.00 POWER STATION	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
15810	DES-GPS/C	C	4353	100334160	PAFB 416.00 TACAN	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
15816	DES-GPS/C	C	54620	200104062	KATHRYN FLYNN RESIDENCE	427 HILLCREST ESTATES	PORTSMOUTH	OPUF	CLOSED	8
15827	DES-GPS/C	C	17216	100334320	PAFB 432.00 WSA SITE	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
15828	DES-GPS/C	C	17219	100334680	PAFB 468.00 WSA SITE	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
15832	DES-GPS/C	C	17218	100334570	PAFB 457.00 WSA	PEASE AIR FORCE BASE	NEWINGTON	LUST	CLOSED	8
16005	DES-GPS/C	C	1380	199006011	DURHAM LANDFILL	DURHAM POINT ROAD	DURHAM	UIC	REGISTRATION	8
16267	DES-GPS/C	C	50618	200003005	DREHER-HOLLOWAY INC	309 PORTSMOUTH AVE	GREENLAND	HOLDTANK	REGISTRATION	8
16268	DES-GPS/C	C	55377	200112008	US POSTAL SERVICE	345 HERITAGE AVE	PORTSMOUTH	IRSPILL, IRSPILL	CLOSED, CLOSED	8, 8
16278	DES-GPS/C	C	55421	200201008	DOVER ROAD PETROLEUM CONTAMINATION	75 DOVER ROAD	DURHAM	H2O_SAMPLE	CLOSED	8
16298	DES-GPS/C	C	55379	200112009	WAKEFIELD MATERIALS	BANFIELD ROAD	PORTSMOUTH	UIC	REGISTRATION	2
16299	DES-GPS/C	C	55285	200111009	GILLETTE / ANDERSON PROPERTY	628 GREENLAND ROAD	PORTSMOUTH	OPUF	CLOSED	8
16300	DES-GPS/C	C	54856	200106032	JANICE HERVEY PROPERTY	3205 LAFAYETTE ROAD, UNIT 154	PORTSMOUTH	OPUF	CLOSED	8
16301	DES-GPS/C	C	55527	200201017	SOLTO SALON AND SPA	150 LAFAYETTE ROAD / SUITE #5	RYE	UIC	REGISTRATION	2
16329	M/PWS	C	14640	199906053	PORTSMOUTH WATER DIVISION -WWTP	60 FRESHET RD	MADBURY	ETHER	REID	8
16559	DES-GPS/C	C	55809	200202040	GEORGE FLETCHER	271 LITTLE BAY RD	NEWINGTON	OPUF	CLOSED	8
16562	DES-GPS/C	C	57161	200206060	MICHAEL ROBINSON	4 EDGEWOOD RD	PORTSMOUTH	OPUF	CLOSED	8
16586	DES-GPS/C	C	56068	200203046	VIRGINIA MCDONALD	101 BLUEFISH BLVD	PORTSMOUTH	OPUF	CLOSED	8
16686	DES-DIG	C	56341	200205014	GRIFFIN PARK LOT #1-4	GRIFFIN ROAD	PORTSMOUTH	HAZWASTE	CLOSED	8
16738	DES-GPS/C	C	46259	200210081	CONCEPTRONIC INC	6 POST RD	PORTSMOUTH	UIC	CLOSED	8
16896	DES-DIG	CU	5213	199611018	RYE JUNIOR HIGH SCHOOL	501 WASHINGTON RD	RYE	UIC	CLOSED	8
17062	DES-GPS/C	C	54487	200103045	RYE PUBLIC WORKS FACILITY	309 GROVE ST	RYE	HOLDTANK	REGISTRATION	2
17063	DES-GPS/C	C	57965	200303033	THOMAS MCCORMICK	999 WASHINGTON ROAD	RYE	OPUF	CLOSED	8
17064	DES-GPS/C	C	57982	200303050	BROWN RESIDENCE	#33 120 LAFAYETTE ROAD	RYE	OPUF	LEATHERS	NDY

17065	DES-GPS/C	C	57682	200212006	CLEAR CHANNEL IN NEW HAMPSHIRE	1555 ISLINGTON STREET	PORTSMOUTH	OPUF	KIRBY	7
17089	DES-GPS/C	C	58491	200308087	BOSSE PROPERTY	72 LAFAYETTE RD	RYE	LUST, UIC	PERMITS-MANAGEMENT, UNASSIGNEI	5, 2
17169	M/PWS		53332	200310042	KIDS N MORE DAYCARE	316 RTE 108	MADBURY	UIC	REGISTRATION	2
17184	M/UST		4966	199906086	SHERBURNE STORE	917 GREENLAND RD	PORTSMOUTH	LUST	CLOSED	8
17195	M/PWS		15147	200403093	CITY OF DOVER- CALDERWOOD WELL	W OFF GLEN HILL RD	DOVER	UIC	REGISTRATION	2
17314	DES-GPS/C	C	58608	200310034	ARIE LEGERSTEE	88 LITTLEWORTH RD	DOVER	OPUF	MARTS	3
18019	DES-GPS/C	C	59012	200403081	BRUNETTA PROPERTY	412 STRIPED BASS AVENUE	PORTSMOUTH	OPUF	CLOSED	8
18020	DES-GPS/C	C	60554	200507020	CATHERINE FOURNIER PROPERTY	60 WILSON ROAD	PORTSMOUTH	OPUF	CLOSED	8
18032	DES-GPS/C	C	58440	200308036	JUSTIN CORROW	22 NUTE RD	MADBURY	OPUF	CLOSED	8
18033	DES-GPS/C	C	3156	198705022	NE METAL RECYCLING (FMR MADBURY METALS)	290 KNOX MARSH ROAD (RT 155)	MADBURY	GWRELDET	BEBLOWSKI	2
18035	DES-GPS/C	C	57861	200302012	TERRY SHARBAUGH	25 RIVERVIEW RD	DURHAM	OPUF	CLOSED	8
18051	DES-GPS/C	C	61169	200602043	WEEKS BRICK HOUSE	1 TIDE MILL RD	GREENLAND	OPUF	CLOSED	8
18052	DES-GPS/C	C	1841	198905045	GREENLAND MOBIL	437 PORTSMOUTH AVE	GREENLAND	LUST	CLOSED	8
18053	DES-GPS/C	C	60841	200510039	AUTUMN POND PARK CONDO ASSOCIATION	1 ALDEN AVENUE	GREENLAND	UIC	REGISTRATION	2
18055	DES-GPS/C	C	61189	200603010	HISLOP RESIDENCE	46 OLD POST ROAD	NEWINGTON	OPUF	CLOSED	8
18085	DES-GPS/C	C	4930	198606056	HIGH LINER FOODS INC (FRM NTL SEA PRDTS)	1 HIGHLINER AVE	PORTSMOUTH	SPILL/RLS	CLOSED	8
18086	DES-GPS/C	C	13685	199408047	FORMER COUNTRY MOTOR SALES	375 BANFIELD ROAD	PORTSMOUTH	HAZWASTE	CLOSED	8
18087	DES-GPS/C	C	4959	198604156	RALPHS TRUCK WORLD INC	2995 LAFAYETTE RD	PORTSMOUTH	LUST	ESTABROOK	7
18088	DES-GPS/C	C	46070	200107007	SHANNON REALTY TRUST PROPERTY	85 HERITAGE AVENUE	PORTSMOUTH	HAZWASTE	CLOSED	8
18089	DES-GPS/C	C	13686	199012010	DATA GENERAL CORP	2460 LAFAYETTE ROAD	PORTSMOUTH	OPUF	CLOSED	8
18090	DES-GPS/C	C	58740	200311054	THOMAS BUCHANAN	1511 ELWYN RD	PORTSMOUTH	OPUF	CLOSED	8
18146	M/PWS		58629	200310062	DOVER WATER WORKS / FRENCH CROSS WELL	FRENCH CROSS ROAD	DOVER	UIC, UIC	CLOSED, REGISTRATION	8, 2
18200	DES-GPS/C	C	61739	200609021	TILTON RESIDENCE	27 BUNKER LANE	MADBURY	OPUF	CLOSED	8
18201	DES-GPS/C	C	61802	200610093	MY LIEGE SALON & SPA	301 DURHAM ROAD (RT 108)	DOVER	UIC	REGISTRATION	2
18204	DES-GPS/C	C	59049	200403105	DOWNEAST ENERGY ROLLOVER	CHERRY LN	MADBURY	SPILL/RLS	CLOSED	8
18205	DES-GPS/C	C	59847	200411026	BALLESTERO	EVANS ROAD	MADBURY	UIC	REGISTRATION	2

Site Remediation and Groundwater Hazard Inventory

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20050804
Title: Site Remediation and Groundwater Hazard Inventory
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: None at this time
Description:
Abstract:
This coverage is a partial counterpart to the NHDES site remediation and groundwater hazard inventory database. Above and underground storage tanks, which are part of this inventory database, have been separated into AST_SITE and UST_SITE coverages respectively. Program interests (such as leaking underground storage tanks, landfills, etc.) are located at the sites.
Purpose:
Coverages were primarily created for source water protection and remediation investigation purposes.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1990
Ending_Date: 2008
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.590539
East_Bounding_Coordinate: -70.680464
North_Bounding_Coordinate: 45.115865
South_Bounding_Coordinate: 42.694858
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Potential contamination sources
Theme_Keyword: Groundwater investigations
Theme_Keyword: Remediation
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.

Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Deb Soule
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Data Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.1.0.722

Data_Quality_Information:
Logical_Consistency_Report:
Periodically locations are checked for accuracy by comparing database town location versus coverage location. Checks are also made against other coverages of similar nature (such as other facility type coverages) which have facility overlap.
Completeness_Report:
Newer sites or project interests are likely not shown in the dataset since they may not be located yet by GIS field staff.
Lineage:
Process_Step:
Process_Description:
In the past before GPS was common, locations were developed by locating program interest locations on topographic maps, transferring the locations to mylar, and then digitizing them. Others were copied from other coverages which held the same facilities. The method now used predominantly is to locate the features using global positions system (GPS) technology and differentially correcting the data.
Process_Date: 20050624

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 7563

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: C_SITE
Entity_Type_Definition: Site remediation and groundwater hazard inventory locations.
Entity_Type_Definition_Source: NHDES
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: DESID
Attribute_Definition:
Number field showing internal NHDES feature ID number used for GIS mapping programs.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique internal id defined by NHDES.
Attribute:
Attribute_Label: DATASOURCE
Attribute_Definition:
A text field indicating how the program interest location was determined.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DES-DIG
Enumerated_Domain_Value_Definition:
The feature was located on a USGS 7.5' quadrangle, transferred to mylar and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS
Enumerated_Domain_Value_Definition: The feature was GPS'd.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS/C
Enumerated_Domain_Value_Definition: The feature was GPS'd and differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GPS unknown
Enumerated_Domain_Value_Definition:
The feature was GPS'd but it is unknown if it was differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: map interp/or unkn
Enumerated_Domain_Value_Definition:
The feature was located using map interperolation or an unknown method.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: TYPE
Attribute_Definition:
A text field indicating whether the feature is coincidental with a point in the UST_SITE coverage.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:

Enumerated_Domain:
Enumerated_Domain_Value: CU
Enumerated_Domain_Value_Definition:
The feature is coincidental with a feature in the UST_SITE (underground storage tanks) coverage.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: C
Enumerated_Domain_Value_Definition: Feature is only in C_SITE coverage.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: NRSN
Attribute_Definition:
A number field showing the number of record site numbers (NRSN) associated with the feature.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Database number input by NHDES.

Attribute:
Attribute_Label: MASTERID
Attribute_Definition:
A number field showing the NH Department of Environmental Services' master (universal) ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier set by NHDES.

Attribute:
Attribute_Label: SITE_
Attribute_Definition:
Text field representing the NHDES Waste Management Division site ID.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Unique identifier defined by the Waste Management Division at NHDES.

Attribute:
Attribute_Label: SITE_NAME
Attribute_Definition: A text field showing the name of the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The name as registered/ determined by NHDES.

Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: The street address for the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The address as registered with NHDES.

Attribute:
Attribute_Label: TOWN
Attribute_Definition: A text field displaying the town where the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The town the site is located in as registered/ determined by NHDES.

Attribute:
Attribute_Label: PROJ_TYPE
Attribute_Definition:
A text field showing program (project) interest (such as leaking underground storage tank, landfill etc.) at the site. There may be more than one PROJ_TYPE for a feature.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: CERCLA
Enumerated_Domain_Value_Definition: Superfund site.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: ETHER
Enumerated_Domain_Value_Definition: Ether contamination from an unknown source.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: FUDS
Enumerated_Domain_Value_Definition: Formerly used defense site.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: FUEL
Enumerated_Domain_Value_Definition: Leaking bulk storage facilities containing fuel oil.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GWRELDET
Enumerated_Domain_Value_Definition:
Site which has a groundwater release detection permit and no other defined project type.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: H2O SAMPLE
Enumerated_Domain_Value_Definition:
Isolated groundwater sample with contaminant detection. Site has not been tied to a known contaminant source.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: HAZWASTE
Enumerated_Domain_Value_Definition:
Site has non-petroleum related contamination (i.e. chlorinated solvents). This type does not indicate severity of contamination, it is only an identifier of the type of contamination.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: HOLDTANK
Enumerated_Domain_Value_Definition: Non-hazardous, non-sanitary holding tank registration.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: IRSPILL
Enumerated_Domain_Value_Definition: Initial spill response.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LAND/LN
Enumerated_Domain_Value_Definition: Lined landfill.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: Land/UNLN
Enumerated_Domain_Value_Definition: Existing landfill or landfill closure.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LAST
Enumerated_Domain_Value_Definition:
Leaking above ground bulk storage facilities containing motor fuel.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LUST
Enumerated_Domain_Value_Definition: Leaking underground storage tank project.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: LWW/LAG
Enumerated_Domain_Value_Definition: Lined wastewater lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MOST
Enumerated_Domain_Value_Definition: Leaking motor oil storage tank.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OLD DUMP
Enumerated_Domain_Value_Definition: Old open dump site (non-landfill).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OPUF
Enumerated_Domain_Value_Definition: Leaking residential or commercial heating oil tanks.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: RAPIDINF
Enumerated_Domain_Value_Definition: Rapid infiltration basin.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SEPT/LAG
Enumerated_Domain_Value_Definition: Septage lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SEPTIC
Enumerated_Domain_Value_Definition:
Subsurface wastewater disposal system receiving > 20,000 gallons/day.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SITEEVAL
Enumerated_Domain_Value_Definition:
Unsolicited site assessment (i.e. the site assessment was not requested by the State). Often these evolve due to a real estate transaction of commercial property.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SITEEVALHW
Enumerated_Domain_Value_Definition:
Unsolicited site assessment (like SITEEVAL) reviewed by the Waste Management Division, Hazardous Waste Remediation Bureau at NHDES.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SLUD/LAG
Enumerated_Domain_Value_Definition: Sludge lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SLUDGAP
Enumerated_Domain_Value_Definition: Sludge application project.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SPILL/RLS
Enumerated_Domain_Value_Definition: Oil spill or release.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SPRAYIRR
Enumerated_Domain_Value_Definition: Spray irrigation project.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: STUMP/DEMO
Enumerated_Domain_Value_Definition: Municipal or commercial stump or demo dump.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: TRANS_STA
Enumerated_Domain_Value_Definition: Solid waste transfer station.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: UIC
Enumerated_Domain_Value_Definition:
Underground injection control: discharges of benign wastewaters not requiring a groundwater discharge permit or request to cease a discharge (i.e. floor drain closure requests).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: UWW/LAG
Enumerated_Domain_Value_Definition: Unlined wastewater lagoon
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: STAFF
Attribute_Definition:
A text field displaying usually the name of the NHDES staff member assigned to the PROJ_TYPE. Sometimes it indicates whether the site is closed (no further action is required) or is being monitored under a permit. Features

with more than one PROJ_TYPE will have corresponding multiple comma-delimited STAFF values.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Staff as set by NHDES.

Attribute:
Attribute_Label: WLP
Attribute_Definition:
Text field showing the work load priority. This column ensures the most important projects are addressed promptly and in a timely manner. Features with more than one PROJ_TYPE will have corresponding multiple comma-delimited WLP values.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: High priority.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Medium priority.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Low priority.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: RISK
Attribute_Definition:
A text field representing the risk code. Features with more than one PROJ_TYPE will have corresponding multiple RISK values.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Immediate risk to human health.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: In wellhead protection area or within 1000' of well.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Free product or high level source.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 4
Enumerated_Domain_Value_Definition: Surface water impact.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 5
Enumerated_Domain_Value_Definition: Groundwater impact, no alternate water.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: High concentration, alternate water availabe.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition: Low concentration, alternate water available.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 8
Enumerated_Domain_Value_Definition:
No sources, no ambient groundwater quality standard violations onsite.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:

Enumerated_Domain_Value: NDY
Enumerated_Domain_Value_Definition: Not yet defined.
Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:
Attribute_Label: PERMIT
Attribute_Definition:
A text field showing the permit number or N/A for not applicable. Features with more than one project type will have corresponding multiple PERMIT values.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Permit number as set by NHDES.

Attribute:
Attribute_Label: TAX_MAP
Attribute_Definition: A text field displaying the tax map number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax map number as listed on the town tax parcel map at the time of location.

Attribute:
Attribute_Label: TAX_LOT
Attribute_Definition: String field representing tax map lot number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax lot as listed on the town tax parcel map at the time of location.

Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
A number field showing the longitude coordinate in NH State Plane-Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.202
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>

Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20081211
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Information Technology
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-0399
Contact_Electronic_Mail_Address: George.Hastings@doit.nh.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.9.6 on Thu Dec 11 14:52:45 2008

Yellow Divider Sheet

Site Remediation and Groundwater Hazard Inventory (c_area)

Data Souce: NHDES GIS Database December 2008
Data Shapefile: carea_p.shp
Legend for database presented in the accompanying NHDES metadata file for Site Remediation and Groundwater Hazard Inventory (c_area)

DESID	MASTERID	SITE_	SITE_NAME	ADDRESS	TOWN	PROJ_TYPE	STAFF	RISK
288	14641	198403036	MADBURY BRUSH & STUMP DUMP	PUDDING HILL ROAD	MADBURY	STUMP/DEMO	UNASSIGNED	NDY
296	14640	199906053	PORTSMOUTH WATER DIVISION -WWTP	60 FRESHET RD	MADBURY	SLUDGAP	PERMITS-SLUDGE	NDY
308	1380	199006011	DURHAM LANDFILL	DURHAM POINT ROAD	DURHAM	LAND/UNLN	COTTON	5
316	17226	100330500	PAFB ZONE 5	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
318	17187	100330508	FIRE DEPARTMENT TRAINING AREA 2	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
320	17205	199101041	NEWINGTON DUMP	LITTLE BAY ROAD	NEWINGTON	OLD DUMP	UNASSIGNED	NDY
321	17180	100330509	CONSTRUCTION RUBBLE DUMP 1	PEASE AIR FORCE BASE	NEWINGTON	LAND/UNLN	HILTON	7
323	17228	100330800	PAFB ZONE 8	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	8
328	17233	199809044	PEASE DEVELOPMENT AUTHORITY	PEASE DEVELOPMENT AUTHORITY	NEWINGTON	UIC, , UIC	REGISTRATION, , REGISTRATION	8, , 8
329	17233	199809044	PEASE DEVELOPMENT AUTHORITY	PEASE DEVELOPMENT AUTHORITY	NEWINGTON	UIC, UIC	REGISTRATION, REGISTRATION	8, 8
331	17227	100330600	PAFB ZONE 6	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	5
333	17184	100330511	FIELD MAINTENANCE SQUADRON CLEANING SITE	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
336	17203	100330618	MUNITIONS RESIDUAL BURIAL AREA	PEASE AIR FORCE BASE	NEWINGTON	CERCLA, CERCLA	CLOSED, HILTON	8, NDY
337	17202	100330612	MUNITIONS MAINT/DOG KEN 431/WSA 439	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
339	17225	100330200	PAFB ZONE 2	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
344	17192	100330201	LANDFILL 1	PEASE AIR FORCE BASE	NEWINGTON	LAND/UNLN	HILTON	4
345	13750	100330300	PAFB ZONE 3	PEASE AIR FORCE BASE	PORTSMOUTH	CERCLA	HILTON	2
346	17186	100330207	FIRE DEPARTMENT TRAINING AREA 1	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
348	13750	100330300	PAFB ZONE 3	PEASE AIR FORCE BASE	PORTSMOUTH	CERCLA, UIC,	HILTON, REGISTRATION,	2, 8,
350	17196	100330210	LEADED FUEL TANK SLUDGE DISPOSAL SITE	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
352	17178	100330222	BURN AREA 1	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
354	17200	100330243	MCINTYRE ROAD DRUM DISPOSAL AREA	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	CLOSED	8
357	13750	100330300	PAFB ZONE 3	PEASE AIR FORCE BASE	PORTSMOUTH	CERCLA,	HILTON,	2,
363	17179	100330237	BURN AREA 2	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
379	13750	100330300	PAFB ZONE 3	PEASE AIR FORCE BASE	PORTSMOUTH	CERCLA, UIC,	HILTON, REGISTRATION,	2, 8,
382	13750	100330300	PAFB ZONE 3	PEASE AIR FORCE BASE	PORTSMOUTH	CERCLA, UIC	HILTON, REGISTRATION	2, 8
388	17231	100330216	PCB SPILL SITE (410.10 & 410.20 REC'VR)	PEASE AIR FORCE BASE	NEWINGTON	CERCLA	HILTON	2
411	13761	199101038	PORTSMOUTH ABANDONED LANDFILL	MIDDLE RD & ISLINGTON ST	PORTSMOUTH	OLD DUMP	UNASSIGNED	2
412	13712	198404087	JONES AVE LANDFILL & ASH CONTAINMENT	JONES AVE	PORTSMOUTH	LAND/UNLN	BEBLOWSKI	7
417	13704	198404085	IAFOLLA SITE	PEVERLY HILL	PORTSMOUTH	LAND/UNLN	CLOSED	8
437	13944	198705029	RYE MUNICIPAL LANDFILL	BREAKFAST HILL RD	RYE	LAND/UNLN	COTTON	7
440	5207	198704080	RYE GROVE ROAD LANDFILL	GROVE RD	RYE	LAND/UNLN	COTTON	2

Site Remediation and Groundwater Hazard Inventory

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20050804
Title: Site Remediation and Groundwater Hazard Inventory
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: None at this time
Description:
Abstract:
This coverage is a partial counterpart to the NHDES site remediation and groundwater hazard inventory database. Above and underground storage tanks, which are part of this inventory database, have been separated into AST_SITE and UST_SITE coverages respectively. Program interests (such as leaking underground storage tanks, landfills, etc.) are located at the sites.
Purpose:
Coverages were primarily created for source water protection and remediation investigation purposes.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1990
Ending_Date: 2008
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.516470
East_Bounding_Coordinate: -70.728055
North_Bounding_Coordinate: 45.074808
South_Bounding_Coordinate: 42.712451
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Potential contamination sources
Theme_Keyword: Groundwater investigations
Theme_Keyword: Remediation
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.

Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Deb Soule
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Data Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.0.0.535

Data_Quality_Information:
Logical_Consistency_Report:
Periodically locations are checked for accuracy by comparing database town location versus coverage location. Checks are also made against other coverages of similar nature (such as other facility type coverages) which have facility overlap.
Completeness_Report:
Newer sites or project interests are likely not shown in the dataset since they may not be located yet by GIS field staff.
Lineage:
Process_Step:
Process_Description:
In the past before GPS was common, locations were developed by locating program interest locations on topographic maps, transferring the locations to mylar, and then digitizing them. Others were copied from other coverages which held the same facilities. The method now used predominantly is to locate the features using global positions system (GPS) technology and differentially correcting the data.
Process_Date: 20050624

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 449

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.002048
Ordinate_Resolution: 0.002048
Planar_Distance_Units: survey feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: carea_p
Entity_Type_Definition: Site remediation and groundwater hazard inventory locations.
Entity_Type_Definition_Source: NHDES
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_Definition: Area of the feature in square feet
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Calculated value using ArcInfo
Attribute:
Attribute_Label: PERIMETER
Attribute_Definition: Perimeter of feature in feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Calculated value using ArcInfo
Attribute:
Attribute_Label: DESID
Attribute_Definition:
Number field showing internal NHDES feature ID number used for GIS mapping programs.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique internal id defined by NHDES.
Attribute:
Attribute_Label: DATASOURCE
Attribute_Definition:
A text field indicating how the program interest location was determined.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DES-DIG
Enumerated_Domain_Value_Definition:
The feature was located on a USGS 7.5' quadrangle, transferred to mylar and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS
Enumerated_Domain_Value_Definition: The feature was GPS'd.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS/C
Enumerated_Domain_Value_Definition: The feature was GPS'd and differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GPS unknown
Enumerated_Domain_Value_Definition:
The feature was GPS'd but it is unknown if it was differentially corrected.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: map interp/or unkn
Enumerated_Domain_Value_Definition:
The feature was located using map interperolation or an unknown method.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: TYPE
Attribute_Definition:
A text field indicating whether the feature is coincidental with a point in the UST_SITE coverage.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: CU
Enumerated_Domain_Value_Definition:
The feature is coincidental with a feature in the UST_SITE (underground storage tanks) coverage.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: C
Enumerated_Domain_Value_Definition: The feature is only in C_SITE coverage.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: NRSN
Attribute_Definition:
A number field showing the number of record site numbers (NRSN) associated with the feature.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Database number input by NHDES.
Attribute:
Attribute_Label: MASTERID
Attribute_Definition:
A number field showing the NH Department of Environmental Services' master (universal) ID for the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique identifier set by NHDES.
Attribute:
Attribute_Label: SITE_
Attribute_Definition:
Text field representing the NHDES Waste Management Division site ID.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
Unique identifier defined by the Waste Management Division at NHDES.
Attribute:
Attribute_Label: SITE_NAME
Attribute_Definition: A text field showing the name of the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The name as registered/ determined by NHDES.
Attribute:
Attribute_Label: ADDRESS
Attribute_Definition: The street address for the site.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: The address as registered with NHDES.
Attribute:
Attribute_Label: TOWN
Attribute_Definition: A text field displaying the town where the facility is located.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The town the site is located in as registered/ determined by NHDES.
Attribute:
Attribute_Label: PROJ_TYPE
Attribute_Definition:

A text field showing program (project) interest (such as leaking underground storage tank, landfill etc.) at the site. There may be more than one PROJ_TYPE for a feature.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Enumerated_Domain:
Enumerated_Domain_Value: CERCLA
Enumerated_Domain_Value_Definition: Superfund site.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: ETHER
Enumerated_Domain_Value_Definition: Ether contamination from an unknown source.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: FUDS
Enumerated_Domain_Value_Definition: Formerly used defense site.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: FUEL
Enumerated_Domain_Value_Definition: Leaking bulk storage facilities containing fuel oil.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: GWRELDET
Enumerated_Domain_Value_Definition:
Site which has a groundwater release detection permit and no other defined project type.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: H2O SAMPLE
Enumerated_Domain_Value_Definition:
Isolated groundwater sample with contaminant detection. Site has not been tied to a known contaminant source.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: HAZWASTE
Enumerated_Domain_Value_Definition:
Site has non-petroleum related contamination (i.e. chlorinated solvents). This type does not indicate severity of contamination, it is only an identifier of the type of contamination.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: HOLDTANK
Enumerated_Domain_Value_Definition: Non-hazardous, non-sanitary holding tank registration.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: IRSPILL
Enumerated_Domain_Value_Definition: Initial spill response.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: LAND/LN
Enumerated_Domain_Value_Definition: Lined landfill.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: Land/UNLN
Enumerated_Domain_Value_Definition: Existing landfill or landfill closure.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: LAST
Enumerated_Domain_Value_Definition:
Leaking above ground bulk storage facilities containing motor fuel.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: LUST
Enumerated_Domain_Value_Definition: Leaking underground storage tank project.
Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:
Enumerated_Domain_Value: LWW/LAG
Enumerated_Domain_Value_Definition: Lined wastewater lagoon.

Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: MOST
Enumerated_Domain_Value_Definition: Leaking motor oil storage tank.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OLD DUMP
Enumerated_Domain_Value_Definition: Old open dump site (non-landfill).
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: OPUF
Enumerated_Domain_Value_Definition: Leaking residential or commercial heating oil tanks.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: RAPIDINF
Enumerated_Domain_Value_Definition: Rapid infiltration basin.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SEPT/LAG
Enumerated_Domain_Value_Definition: Septage lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SEPTIC
Enumerated_Domain_Value_Definition:
Subsurface wastewater disposal system receiving > 20,000 gallons/day.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SITEEVAL
Enumerated_Domain_Value_Definition:
Unsolicited site assessment (i.e. the site assessment was not requested by the State). Often these evolve due to a real estate transaction of commercial property.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SITEEVALHW
Enumerated_Domain_Value_Definition:
Unsolicited site assessment (like SITEEVAL) reviewed by the Waste Management Division, Hazardous Waste Remediation Bureau at NHDES.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SLUD/LAG
Enumerated_Domain_Value_Definition: Sludge lagoon.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SLUDGAP
Enumerated_Domain_Value_Definition: Sludge application project.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SPILL/RLS
Enumerated_Domain_Value_Definition: Oil spill or release.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: SPRAYIRR
Enumerated_Domain_Value_Definition: Spray irrigation project.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: STUMP/DEMO
Enumerated_Domain_Value_Definition: Municipal or commercial stump or demo dump.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: TRANS_STA
Enumerated_Domain_Value_Definition: Solid waste transfer station.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: UIC
Enumerated_Domain_Value_Definition:

Underground injection control: discharges of benign wastewaters not requiring a groundwater discharge permit or request to cease a discharge (i.e. floor drain closure requests).

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: UWW/LAG

Enumerated_Domain_Value_Definition: Unlined wastewater lagoon

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:

Attribute_Label: STAFF

Attribute_Definition:

A text field displaying usually the name of the NHDES staff member assigned to the PROJ_TYPE. Sometimes it indicates whether the site is closed (no further action is required) or is being monitored under a permit. Features with more than one PROJ_TYPE will have corresponding multiple comma-delimited STAFF values.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: Staff as set by NHDES.

Attribute:

Attribute_Label: WLP

Attribute_Definition:

Text field showing the work load priority. This column ensures the most important projects are addressed promptly and in a timely manner. Features with more than one PROJ_TYPE will have corresponding multiple comma-delimited WLP values.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: High priority.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition: Medium priority.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition: Low priority.

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:

Attribute_Label: RISK

Attribute_Definition:

A text field representing the risk code. Features with more than one PROJ_TYPE will have corresponding multiple RISK values.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Immediate risk to human health.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition: In wellhead protection area or within 1000' of well.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition: Free product or high level source.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 4

Enumerated_Domain_Value_Definition: Surface water impact.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 5

Enumerated_Domain_Value_Definition: Groundwater impact, no alternate water.

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: 6

Enumerated_Domain_Value_Definition: High concentration, alternate water availabe.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition: Low concentration, alternate water available.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: 8
Enumerated_Domain_Value_Definition:
No sources, no ambient groundwater quality standard violations onsite.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: NDY
Enumerated_Domain_Value_Definition: Not yet defined.
Enumerated_Domain_Value_Definition_Source: NHDES
Attribute:
Attribute_Label: PERMIT
Attribute_Definition:
A text field showing the permit number or N/A for not applicable. Features with more than one PROJ_TYPE will have corresponding multiple PERMIT values.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Permit number as set by NHDES.
Attribute:
Attribute_Label: TAX_MAP
Attribute_Definition: A text field displaying the tax map number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax map number as listed on the town tax parcel map at the time of location.
Attribute:
Attribute_Label: TAX_LOT
Attribute_Definition: String field representing tax map lot number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax lot as listed on the town tax parcel map at the time of location.
Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
A number field showing the longitude coordinate in NH State Plane-Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.
Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data

Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.389
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>
Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password. These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20081211
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Information Technology
Contact_Person: George Hastings
Contact_Position: Systems Development Specialist
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-0399
Contact_Electronic_Mail_Address: George.Hastings@doit.nh.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.9.6 on Thu Dec 11 14:52:01 2008

Yellow Divider Sheet

Underground Storage Tanks

Data Souce: NHDES GIS Database December 2008
Data Shapefile: ustsite.shp
Legend for database presented in the accompanying NHDES metadata file for Underground Storage Tanks

DESID	DATASOURCE	TYPE	MASTERID	SITE_	FACILITY_	FACILITY	ADDRESS	TOWN	FAC_TYPE	NUM_TANKS
634	DES-DIG	U	3159	198602012	0112539	TOWN OF MADBURY	13 TOWN HALL RD	MADBURY	LOCAL GOVERNMENT	0
667	DES-DIG	U	1399	198607032	0113144	DURHAM WWTP	50 RTE 4	DURHAM	LOCAL GOVERNMENT	0
672	DES-DIG	U	1399	198607032	0113144	DURHAM WWTP	50 RTE 4	DURHAM	LOCAL GOVERNMENT	0
703	DES-DIG	U	1380	199006011	0220100	DURHAM LANDFILL	DURHAM POINT ROAD	DURHAM	LOCAL GOVERNMENT	0
794	DES-DIG	U	1844	199706009	0112709	PORTSMOUTH COUNTRY CLUB	1 COUNTRY CLUB DR	GREENLAND	COMMERCIAL	0
814	DES-DIG	CU	1843	199603018	0111404	NYNEX FACILITY	ROUTE 33	GREENLAND	UTILITIES	0
821	DES-DIG	CU	1841	198905045	0111471	GREENLAND MOBIL	437 PORTSMOUTH AVE	GREENLAND	GAS STATION	3
829	DES-DIG	CU	1839	198906010	0110743	CUMBERLAND FARMS 2821	645 PORTSMOUTH AVE	GREENLAND	GAS STATION	3
853	DES-DIG	U	5209	198604301	0220319	RAND LUMBER COMPANY INC	588 WALLIS ROAD	RYE	COMMERCIAL	0
864	DES-DIG	CU	5208	199707042	0111633	SOUTHWIND GROCERIES/TOP GAS	150 LAFAYETTE RD	RYE	GAS STATION	0
866	DES-DIG	U	5219	199809084	0112022	WEBSTER AT RYE	795 WASHINGTON RD	RYE	COMMERCIAL	1
870	DES-DIG	U	5207	198704080	0112971	RYE GROVE ROAD LANDFILL	GROVE RD	RYE	LOCAL GOVERNMENT	0
1856	DES-DIG	U	14640	199906053	0113635	PORTSMOUTH WATER DIVISION -WWTP	60 FRESHET RD	MADBURY	LOCAL GOVERNMENT	1
1857	DES-DIG	U	3156	198705022	0112342	NE METAL RECYCLING (FMR MADBURY METALS)	290 KNOX MARSH ROAD (RT 155)	MADBURY	INDUSTRIAL	0
2076	DES-DIG	U	1279	198705099	0113534	FIBERDYNE INC	47 CROSBY ROAD	DOVER	INDUSTRIAL	0
2526	DES-DIG	CU	4343	199804022	0113497	NEWINGTON TOWN GARAGE	356 NIMBLE HILL ROAD	NEWINGTON	LOCAL GOVERNMENT	0
2579	DES-DIG	U	4965	198603007	0110059	SHERBURNE SCHOOL	SHERBURNE RD	PORTSMOUTH	LOCAL GOVERNMENT	0
2580	DES-DIG	U	4930	198606056	0112817	HIGH LINER FOODS INC (FRM NTL SEA PRDTS)	1 HIGHLINER AVE	PORTSMOUTH	INDUSTRIAL	0
2581	DES-DIG	U	4966	199906086	0112026	SHERBURNE STORE	917 GREENLAND RD	PORTSMOUTH	GAS STATION	0
2582	DES-DIG	U	4937	199807081	0112461	NORTHEAST FEDERAL CREDIT UNION	100 BORTHWICK AVE	PORTSMOUTH	COMMERCIAL	0
2584	DES-DIG	U	4851	198604298	0220312	AAMCO TRANSMISSIONS	3580 LAFAYETTE RD	PORTSMOUTH	COMMERCIAL	0
2585	DES-DIG	U	4959	198604156	0110867	RALPHS TRUCK WORLD INC	2995 LAFAYETTE RD	PORTSMOUTH	AUTO DEALERSHIP	0
2586	DES-DIG	CU	4882	200001019	0110249	ENVI AUTO CARE, INC.	2468 LAFAYETTE RD.	PORTSMOUTH	GAS STATION	0
2587	DES-DIG	CU	4891	199805034	0112815	145 HERITAGE AVENUE	145 HERITAGE AVE	PORTSMOUTH	COMMERCIAL	0
2588	DES-DIG	CU	4867	198904042	0111723	GIBBS OIL CO LTD PARTNERSHIP	2975 LAFAYETTE RD	PORTSMOUTH	GAS STATION	3
2589	DES-DIG	U	4865	199807058	0111984	QUALITY INSULATION (FRM BROWNING FERRIS)	360 CONSTITUTION AVE.	PORTSMOUTH	TRUCKING / TRANSPORT	0
2590	DES-DIG	CU	4865	199807058	0111984	QUALITY INSULATION (FRM BROWNING FERRIS)	360 CONSTITUTION AVE.	PORTSMOUTH	TRUCKING / TRANSPORT	0
2591	DES-DIG	U	4919	199912036	0112086	MCLAUGHLIN MOVING CO INC	75 CONSTITUTION AVE	PORTSMOUTH	TRUCKING / TRANSPORT	0
2592	DES-DIG	U	4919	199912036	0112086	MCLAUGHLIN MOVING CO INC	75 CONSTITUTION AVE	PORTSMOUTH	TRUCKING / TRANSPORT	0
2593	DES-DIG	CU	4879	199210032	0110060	DONDERO SCHOOL	VAN BUREN AVE	PORTSMOUTH	LOCAL GOVERNMENT	0
2594	DES-DIG	U	4957	199812047	0111037	PSNH LAFAYETTER RD SUBSTATION	LAFAYETTE RD	PORTSMOUTH	UTILITIES	0
2595	DES-DIG	U	4988	199506034	0113603	SAMUELS	1400 LAFAYETTE RD	PORTSMOUTH	GAS STATION	2
2596	DES-DIG	U	4917	199102005	0111978	LAGO & SONS INC. (HOOD DAIRY PRODUCTS)	2299 LAFAYETTE RD.	PORTSMOUTH	TRUCKING / TRANSPORT	0
2597	DES-DIG	CU	4979	198805004	0110989	STEF'S CABIN PROPERTY	2219 LAFAYETTE ROAD	PORTSMOUTH	GAS STATION	0
2598	DES-DIG	U	4979	198805004	0110989	STEF'S CABIN PROPERTY	2219 LAFAYETTE ROAD	PORTSMOUTH	GAS STATION	0
2599	DES-DIG	U	4979	198805004	0110989	STEF'S CABIN PROPERTY	2219 LAFAYETTE ROAD	PORTSMOUTH	GAS STATION	0
2600	DES-DIG	U	4979	198805004	0110989	STEF'S CABIN PROPERTY	2219 LAFAYETTE ROAD	PORTSMOUTH	GAS STATION	0
2601	DES-DIG	CU	4886	199103039	0111479	EXXON DIV OF CFI 70119	1475 LAFAYETTE RD	PORTSMOUTH	GAS STATION	3
2602	DES-DIG	U	4875	199706017	0113665	DEPT OF PUBLIC WORKS	680 PEVERLY HILL RD	PORTSMOUTH	LOCAL GOVERNMENT	2
2603	DES-DIG	U	4875	199706017	0113665	DEPT OF PUBLIC WORKS	680 PEVERLY HILL RD	PORTSMOUTH	LOCAL GOVERNMENT	2
2604	DES-DIG	U	4961	199904081	0220304	RICCI CONSTRUCTION CO INC	225 BANFIELD RD	PORTSMOUTH	CONTRACTOR	0
4081	DES-DIG	CU	5200	199309047	0114094	FEATHERBED INVESTORS	1000 WASHINGTON ROAD	RYE	COMMERCIAL	0
4082	DES-DIG	CU	4985	199210025	0114314	TVC INC	284 CONSTITUTION AVE	PORTSMOUTH	COMMERCIAL	0
4084	DES-DIG	U	5216	198703016	0113480	SLEEPY HOLLOW MOTEL	355 LAFAYETTE RD	RYE	COMMERCIAL	0
4133	DES-DIG	U	1271	199405028	0114606	DOVER SAND & GRAVEL INC	MAST RD	DOVER	TRUCKING / TRANSPORT	0
4184	DES-GPS/C	U	1271	199405028	0114606	DOVER SAND & GRAVEL INC	MAST RD	DOVER	TRUCKING / TRANSPORT	0
4188	DES-GPS/C	U	4896	199903050	0220311	BOURNIVAL LINCOLN MERCURY ISUZU	2355 LAFAYETTE RD	PORTSMOUTH	AUTO DEALERSHIP	0
4526	DES-GPS/C	U	50133	200010055	0115320	BETHANY CHURCH	500 BREAKFAST HILL RD	GREENLAND	CHURCH	1
4646	DES-GPS/C	U	56310	200204142	0115492	IRVING BLUECANOE	2470 LAFAYETTE RD	PORTSMOUTH	GAS STATION	4
4648	DES-DIG	CU	5213	199611018	0110269	RYE JUNIOR HIGH SCHOOL	501 WASHINGTON RD	RYE	LOCAL GOVERNMENT	1

Underground Storage Tank (UST)

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: New Hampshire Department of Environmental Services
Publication_Date: 20050805
Title: Underground Storage Tank (UST)
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage:
<ftp://ftp.des.state.nh.us/pub/GIS/Data/Underground> Storage Tanks/
Description:
Abstract:
The coverage contains locations of regulated underground storage tanks and/or facilities.
Purpose:
Coverage was created for source water protection, inspection prioritization, and remediation investigation purposes for New Hampshire Department of Environmental Services.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 1990
Ending_Date: 2008
Currentness_Reference: Ground Date
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -72.584317
East_Bounding_Coordinate: -70.677487
North_Bounding_Coordinate: 45.089212
South_Bounding_Coordinate: 42.695822
Keywords:
Theme:
Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: environment
Theme:
Theme_Keyword_Thesaurus: None
Theme_Keyword: Underground Storage Tank
Theme_Keyword: UST
Place:
Place_Keyword_Thesaurus: None
Place_Keyword: New Hampshire
Access_Constraints: None
Use_Constraints:
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.

Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Deb Soule
Contact_Organization: New Hampshire Department of Environmental Services
Contact_Position: Data Manager
Contact_Address:
Address_Type: Mailing and Physical Address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.6.1500

Data_Quality_Information:
Logical_Consistency_Report:
Periodically locations are checked for accuracy by comparing database town location versus coverage location. Checks are also made against other coverages of similar nature (such as other facility type coverages) which have facility overlap.
Completeness_Report:
Newer facilities are likely not shown in the dataset since they may not be located yet by GIS field staff. There may not be a location for each individual tank on the site if the tanks were close together (< 50?). In that case, only one point was generated. A facility may not be included in the coverage if it deactivated all its tanks before it could be located. Additional tanks added to a facility after its original tanks were located may not have been located and therefore would not be shown in the coverage.
Lineage:
Process_Step:
Process_Description:
In the past before GPS was common, locations were developed by locating tank locations on topographic maps, transferring the locations to mylar, and then digitizing them. Others were copied from other coverages which held the same facilities. The method now used predominantly is to locate the tanks using global positions system (GPS) technology and differentially correcting the data.
Process_Date: 20050624

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 4723

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System 1983
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 2800
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.999967
Longitude_of_Central_Meridian: -71.666667
Latitude_of_Projection_Origin: 42.500000
False_Easting: 984250.000000
False_Northing: 0.000000
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.000000
Ordinate_Resolution: 0.000000
Planar_Distance_Units: survey feet
Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: ustsite
Entity_Type_Definition: Underground storage tank locations.
Entity_Type_Definition_Source: NHDES
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: UST_SITE_
Attribute:
Attribute_Label: UST_SITE_I
Attribute:
Attribute_Label: DESID
Attribute_Definition: Number field showing internal NHDES feature identifier.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Unique internal id defined by NHDES.
Attribute:
Attribute_Label: DATASOURCE
Attribute_Definition:
A text field indicating how the facility/ tank location was determined.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: DES-DIG
Enumerated_Domain_Value_Definition:
The feature was located on a USGS 7.5' quadrangle, transferred to mylar and digitized.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS
Enumerated_Domain_Value_Definition: The point was GPS'd.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: DES-GPS/C
Enumerated_Domain_Value_Definition: The point was GPS'd and differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: GPS unknown
Enumerated_Domain_Value_Definition:
The point was GPS'd but it is unknown if it was differentially corrected.
Enumerated_Domain_Value_Definition_Source: NHDES
Enumerated_Domain:
Enumerated_Domain_Value: map interp/or unkn
Enumerated_Domain_Value_Definition:

The point was located using map interperolation or an unknown method.

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:

Attribute_Label: TYPE

Attribute_Definition:

A text field showing if the site is coincidental with points in the Groundwater Hazard coverage.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: CU

Enumerated_Domain_Value_Definition:

Site is coincidental with points in the groundwater hazard inventory coverage (C_site).

Enumerated_Domain_Value_Definition_Source: NHDES

Enumerated_Domain:

Enumerated_Domain_Value: U

Enumerated_Domain_Value_Definition:

The site is only present in the underground storage tank coverage.

Enumerated_Domain_Value_Definition_Source: NHDES

Attribute:

Attribute_Label: MASTERID

Attribute_Definition:

A number field showing the NH Department of Environmental Services master (universal) ID for the facility.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: Unique identifier set by NHDES.

Attribute:

Attribute_Label: SITE_

Attribute_Definition:

A text field holding the ID assigned by the groundwater hazard program (c_site). A feature may have more than one site ID attached to it.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: Site ID as registered by NHDES.

Attribute:

Attribute_Label: FACILITY_

Attribute_Definition:

A text field holding the ID assigned by the underground storage tank program. A feature may have more than one FACILITY# attached to it.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: ID set by NHDES.

Attribute:

Attribute_Label: FACILITY

Attribute_Definition: Text field representing the facility (site) name.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: The name as registered with NHDES.

Attribute:

Attribute_Label: ADDRESS

Attribute_Definition: A text field holding the address of the facility.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: The address as registered with NHDES.

Attribute:

Attribute_Label: TOWN

Attribute_Definition: A text field displaying the town where the facility is located.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: Town the facility is in as registered with NHDES.

Attribute:

Attribute_Label: FAC_TYPE

Attribute_Definition: A text field describing the type of facility.

Attribute_Definition_Source: NHDES

Attribute_Domain_Values:

Unrepresentable_Domain: The type of facility as registered with NHDES.

Attribute:
Attribute_Label: NUM_TANKS
Attribute_Definition:
A number field showing the number of active (not removed or permanently out of use) tanks at the facility.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Number of active tanks as registered with NHDES.
Attribute:
Attribute_Label: TAX_MAP
Attribute_Definition: A text field displaying the tax map number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax map number as listed on the town tax parcel map at the time of location.
Attribute:
Attribute_Label: TAX_LOT
Attribute_Definition: String field representing tax map lot number.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain:
The tax lot as listed on the town tax parcel map at the time of location.
Attribute:
Attribute_Label: X_COORD
Attribute_Definition:
Number field showing longitude coordinates in NH State Plane - Feet.
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.
Attribute:
Attribute_Label: Y_COORD
Attribute_Definition:
Number field representing latitude coordinates in NH State Plane - Feet
Attribute_Definition_Source: NHDES
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinate value defining feature.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NHDES
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-3503
Resource_Description: Downloadable Data
Distribution_Liability:
NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ESRI shapefile
Transfer_Size: 0.125
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: <http://www.des.state.nh.us/>
Fees: No Fee for standard export
Ordering_Instructions:
Most coverages are available through ftp site (see Online Linkage). To address homeland security concerns, access to some of these data sets is available only to users who present a valid personal identification number (PIN) and password.

These data sets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<http://www.des.state.nh.us/gis/onestop/>). 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://www.des.state.nh.us/factsheets/co/co-14.htm>. 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 the Department of Environmental Services. 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.

Metadata_Reference_Information:
Metadata_Date: 20081211
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: NH Department of Information Technology
Contact_Person: George Hastings
Contact_Address:
Address_Type: mailing and physical address
Address: 29 Hazen Drive, PO Box 95
City: Concord
State_or_Province: New Hampshire
Postal_Code: 03302
Contact_Voice_Telephone: 603-271-0399
Contact_Electronic_Mail_Address: George.Hastings@doit.nh.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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Plates

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