



New Hampshire Department of Environmental Services Spatial Data Notes

DATA LAYER: Public Water Supply Sources
COVER NAME: **PWS** and **PWS_PH**
COVER CONTENTS: Public water supply sources registered with the NHDES, Water Supply Engineering Bureau. Treatment facilities/pump houses are maintained in a separate coverage.
COVER TYPE: Point
SOURCE: U.S. Environmental Protection Agency, Region I;
NHDES, Water Supply Engineering Bureau and Water Management Bureau
SOURCE SCALE: 1:24,000 and 1:25,000
SOURCE MEDIA: Digital and mylar
AUTOMATED BY: U.S. Environmental Protection Agency, Region I;
NHDES, Groundwater Protection Bureau and Water Supply Engineering Bureau
HORIZONTAL DATUM: 1983
TILE: State
STATUS: As of the date of last revision, the PWS coverage contains 4,700 features statewide.
PWS_PH, the treatment facility/pump house coverage contains 893 features statewide.
LAST REVISION: Updated monthly.

General Description of the Data

- ✂ 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 which had been missed during the initial data collection or had subsequently been constructed or discovered.
- ✂ The majority of the features (-90%) were located using GPS equipment; of these, -87% are differentially corrected, -13% are not. The other features (-10%) were located on USGS paper quadrangles using traditional field methods (i.e., map/compass), transferred to mylar, and digitized. Attribute data was derived from WSEB's database.

The information provided in this coverage is a subset of spatial databases developed by the New Hampshire Department of Environmental Services (DES), Water Division. Development of these databases is part of an ongoing project inventory; this inventory may not contain all existing and potential threats to groundwater. The DES is not responsible for the use or interpretation of this information, nor 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.

- ✂ Questions regarding these data should be directed to Katie Callahan, WSEB, (603) 271-7940
Email: kcallahan@des.state.nh.us.

ITEM DEFINITIONS FOR INFO FILE: PWS.PAT

<u>ITEM NAME</u>	<u>WDTH</u>	<u>OPUT</u>	<u>TYPE</u>	<u>N.DEC</u>	<u>ALT. NAME</u>	<u>DESCRIPTION</u>
AREA	4	12	F	3		
PERIMETER	4	12	F	3		
<COV>#	4	5	B	0		
<COV>-ID	4	5	B	0		
MASTERID	4	5	B	0		Unique site identifier
PWSID	11	11	C	0		Combined System-Source ID
SYSTEM_ID	7	7	C	0	EPA	EPA System ID
SOURCE	3	3	C	0		Source ID
NAME	30	30	C	0	SYS_NAME	System name
ADDRESS	30	30	C	0	SYS_ADDRESS	System address
TOWN	36	36	C	0	SYS_TOWN	System town
SYSTEM_ACT	1	1	C	0	SYS_ACTIVE	See below ¹
SYSTEM_TYP	1	1	C	0	SYS_TYPE	See below ²
POPULATION	6	6	I	0	POP_SERV	Population served by System
SOURCE_ACT	1	1	C	0	SOURCE_ACTIVE	See below ³
SOURCE_TYP	1	1	C	0	SOURCE_TYPE	See below ⁴
SOURCE_REC	2	2	C	0		Source Record Code and Water Type ⁵
WELL_TYPE	3	3	C	0		See below ⁶
WELL_DEPTH	4	4	I	0		Depth of well (feet)
SRC_DELIN	3	3	C	0		Protection area delineation ⁷
WHPA_VOL	4	9	B	0		Maximum extraction rate ⁸
PROVOL	4	9	B	0	PERMIT_VOL	Permitted production volume: maximum withdrawal in 24 hours (gal/day)
YIELD	8	8	F	2		Yield in GPM for groundwater and MGD for surface sources

NOTES:

- ¹ Refers to activity status of the system: "A" = active; "I" = inactive.
- ² Refers to type of system: "C" = community; "P" = non-transient, non-community (i.e. schools, hospitals, businesses etc.); "N" = transient, non-community (i.e. hotels, restaurants, campgrounds etc.)
- ³ Refers to the activity status of the source: "A" = active; "I" = inactive.
- ⁴ Refers to the type of source: "G" = groundwater; "S" = Surface water; "E" = entity/treatment facility
- ⁵ The record-source code and water type

EA	Surface, Non-purchased	PR	Storage Facility
EB	Surface, Non-purchased, Emergency	PT	Treatment Plant
EC	Groundwater, Non-purchased	SG	Groundwater, Non-purchased
ED	Groundwater, Non-purchased, Emergency	SP	Surface, Purchased
PH	Well Head	SS	Surface, Non-purchased
PI	Intake	SW	Groundwater, Purchased
PM	Pumping Facility	SY	Groundwater/Under Direct Influence
PO	Other Plant or Facility	SZ	Groundwater/(UDI) Purchased
- ⁶ Well type:

ART	Artesian well	GRW	Gravel well
BRW	Bedrock well	INF	Infiltration well
DUG	Dug well	PTW	Point well
GPW	Gravel packed well	SPR	Spring

NOTES: continued

- ⁷ Source of delineation
- | | |
|-----|--|
| DEF | (default 4000 ft circle) Phase I delineation effort produced the max area used |
| PH1 | Phase I delineation based on hydrogeologic data |
| MP1 | Phase I modified by new data |
| NW2 | Phase II delineation completed for a new community well |
| DSN | fixed radius based on design flow under system approval |
| SYV | fixed radius based on reported safe yield |
| W | fixed radius based on max daily withdrawal reported under DES sampling waiver program |
| PS | fixed radius based on max daily withdrawal reported during a DES telephone survey |
| NW1 | fixed radius based on permitted production volume approved for a new well |
| SWI | Watershed delin 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) |
| GSW | 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. |
- ⁸ WHPA_VOL is the maximum extraction rate used to delineate the protection area.

PWS_PH Note:

The treatment facility/pump house coverage "PWS_PH" uses the same point attributes except for: well_type, well_depth, src_delin, whpa_vol, provol, and yield