

**HYDROGEOLOGIC WATER SUPPLY EVALUATION REPORT
NORTH HAVEN, MAINE**

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1.0 INTRODUCTION

Ransom Consulting, LLC (Ransom) has prepared this Hydrogeologic Water Supply Evaluation Report for the Town of North Haven (the “Town”) to assess the Town’s existing public water supply (Fresh Pond) as well as relative availability and quality of groundwater resources for a future municipal water supply source as well and an evaluation of existing private water supply wells. This report also summarizes the geophysical resistivity survey, which was completed in November 2022 on properties to the southwest of Fresh Pond in order to identify potential bedrock fractures that could be targeted for future municipal water supply well(s), if that need arises.

The purpose of this hydrogeologic evaluation was to support the Town’s 2022 Vision Statement, which included considerations for improved access to housing and local economic diversification; whereby an evaluation of water supply sources on North Haven was identified as an essential component to the Vision Statement. This hydrogeologic evaluation was completed using the Town of North Haven Water Department’s 2022 Maine Drinking Water Program Capacity Development Grant.

Special thanks to Mia Colloredo-Mansfeld, The Island Institute’s Fellow for North Haven. Without Mia’s dedication, patience, and field efforts to interview and collect private water supply data throughout North Haven from July 2022 to April 2023, this hydrogeologic evaluation and report would not have been possible.

2.0 HYDROGEOLOGIC SETTING OF NORTH HAVEN

North Haven is a town and island in Knox County, Maine, United States, in Penobscot Bay.¹ According to the Town's 2008 Comprehensive Plan, North Haven has approximately 11.2 square miles (approximately 7,200 acres) of land. Approximately 61.5% of the island is forested, followed by scrub/shrub (14.4%), grasslands (12.1%), marshes and wetlands (7.8%) and developed areas (4.2%). The Town has two historic village areas: North Haven Village and Pulpit Harbor. These areas serve mixed uses, including residential, commercial, working waterfront, recreational, and civic and religious functions. The remainder of the island is largely undeveloped with light development of residential properties and commercial businesses.

2.1 Bedrock Geology

According to the Maine Geological Survey (*2001 Bedrock Geology of North Haven and Vinalhaven Islands- Geologic Map No. 01-352*), a majority of the bedrock unit underlying North Haven is identified as North Haven Greenstone with slivers of sheared diabase and gabbro. North Haven Greenstone "began as lava erupting from a volcano on an ancient ocean floor, of which the present remnants represent only a tiny-preserved fragment. The type of lava was basalt, which originates by partial melting of the earth's upper mantle, below the 6-18 mile thick outer layer called the crust. When the hot, molten rock rose to the surface and erupted into cool sea water, it quickly chilled at its outer edge, forming solid rock tubes from which still-molten basalt extruded like toothpaste from its tube. These new extrusions in turn quickly chilled, forming a pile of elongated rock tubes that, when viewed end-on look somewhat like pillows. Seawater circulating through the hot pillow lava reacted with the rock and formed the dark green mineral chlorite, converting the basalt into greenstone. Outcrops of the North Haven Greenstone show that once-horizontal rocks have been tilted to the southeast."

Bedrock units at the southern end of North Haven, specifically North Haven Village, Mount Nebo, North Haven Golf Club, Ames Knob and Indian Point, are younger than the North Haven Greenstone bedrock unit and are identified as the Ames Knob Formation and Thorofare Andesite. Bedrock of the Ames Knob Formation originated as sediment that accumulated in shallow seas. "Eventually the sediments were hardened into rock to become gray to maroon shale, sandstone and conglomerate. The Ames Knob Formation bedrock unit is overlain by Thorofare Andesite, which consists of lava that "erupted through the fossiliferous muds and sands on the floor of the sea and built a volcano whose gray, green, and maroon volcanic rocks now line the north shore of the Thorofare and the shores of Calderwood Point" on Vinalhaven. The original andesitic volcanic pile, built on the Ames Knob Formation, consisted of lava flows; breccias from explosive eruptions; avalanches and debris flows of mud and rock fragments down the volcanic slopes; deposits of volcanic ash; and siltstones and sandstones deposited by streams on the lower volcanic slopes. A reconstruction of the volcano is shown on the Schematic Diagram on the *2001 Bedrock Geology of North Haven and Vinalhaven Islands- Geologic Map No. 01-352*.

Large blocks of North Haven Greenstone bedrock have moved relative to one another along faults, which generally trend southwest to northeast across the island and bisect various harbors, coves and embayments surrounding North Haven. The predominant faults are identified as the Southern Harbor fault, Cox Cove fault and Waterman Cove fault. The Southern Harbor fault is mapped through the Islands Thorofare and extends northeast through Southern Harbor, Fresh Pond and Oak Hill. The Ames Knob Formation and Thorofare Andesite bedrock units are separated from the North Haven Greenstone

¹ Wikipedia®- North Haven, Maine

by the Cox Cove fault and Waterman Cove fault. Numerous unnamed faults also extend through Crabtree Point, Amesbury Point and various inlets of Pulpit Harbor, which likely serve as boundaries for bedrock fracture sets that supply groundwater to water supply wells on North Haven, as further discussed in Section 5.3.

2.2 Surficial Geology

According to the MGS [*1986 Surficial Geologic Map of Maine (Vinalhaven Quadrangle)*], a majority of surficial soils on North Haven are identified as thin deposits of glacial till (Qt) and Presumpscot Formation (Qp) with swamp/tidal marsh deposits (Qs) in low-laying areas. No mapped, sand and gravel aquifers are located on North Haven. Glacial till consists of poorly sorted, angular-grained sediments of variable grain sizes from clay to boulders. Swamp/tidal marsh deposits consist of a mix of peat, silt, clay and sand. The Presumpscot Formation soils are massive to laminated silt and silty clay and may locally contain boulders, sand, and gravel.

Well casing depths reported during the private well survey indicate that a majority of private water supply wells on North Haven have approximately 20 feet of casing, whereby at least 10 feet of casing is required to be installed in bedrock. Therefore, well casing depths support MGS's mapping; that a thin deposit of surficial soils lies above the bedrock surface throughout a majority of North Haven.

2.3 Topography and Surface Drainage

The United States Geological Survey's (USGS) 7.5-minute quadrangles of North Haven East and North Haven West provide topographic coverage for North Haven. Topography throughout the island is hilly and variable, but generally slopes downward to the Atlantic Ocean from high points throughout the island or located on various peninsulas of North Haven.

As discussed in Section 2.2, soils on North Haven are generally poorly-drained, glaciomarine silts and clays, glacial till and organic swamp/wetland deposits. Therefore, streams and gullies on North Haven often contain visible water flow during rainy periods or after significant rainfall. Surface drainage at the center of North Haven predominantly collects in wetland/swamp areas located to the east and west of Fresh Pond, which drain into Fresh Pond and ultimately discharge to Salt Pond and Pulpit Harbor. Numerous unnamed streams discharge surface water from Fresh Pond, various small ponds, and/or wetlands/swamps into the ocean or its estuaries, including harbors/coves located at the central and eastern portions of the North Haven. Smaller intermittent streams or gullies discharge surface water at Crabtree Point and Ames Point peninsulas at the western end of North Haven.

Copies of MGS' geologic maps and USGS' topographic maps are included as **Appendix A**.

3.0 FRESH POND- PUBLIC WATER SUPPLY

North Haven Water Department, which is owned and operated by the Town of North Haven, provides public water to approximately 225 connections, including residents, businesses, the K-12 community school, municipal offices and the golf course. The Water Department distributes surface water obtained from Fresh Pond, which is located near the center of the island. Fresh Pond is approximately 100 acres in size (approximately 4.5 million square feet) and reportedly has an average depth of 8 feet, which equates to an approximate volume of 36 million cubic feet or approximately 270 million gallons of surface water.

Surface water is drawn from Fresh Pond through an intake pipe, which is located approximately 80 feet into the pond, treated with ozone and passes through a contact chamber. The water is then evenly distributed through a slow sand filtration plant, which was constructed in 2003. The Town is replacing the sand medium in the filtration plant in 2023. The treatment plant is designed to produce a maximum of 260,000 gallons per day. After filtration, the water is first injected with soda ash for pH adjustment, followed by sodium hypochlorite and ammonia to form chloramines for disinfection. Treated water proceeds to the 50,000-gallon clear water storage, then pumped into the distribution system and stored in a 280,000-gallon standpipe located on Mount Nebo, which is located at the southern end of the island.

System water demand runs from approximately 20,000 to 25,000 gallons per day (gpd) in the winter months, which equates to approximately 14 to 18 gallons per minute (gpm) to a maximum of about 100,000 gpd (approximately 70 gpm) in the summer months with minimal water usage for maintenance activities (i.e., hydrant flushing) for an approximate total annual usage of 20 million gallons. This annual usage equates to approximately 7% of the estimated surface water available in Fresh Pond. As discussed in Section 5.4, the Town's surface water extraction for municipal water supply is *de minimis* in comparison to the amount of water available in Fresh Pond and replenished via precipitation and reported spring water discharge in the pond.

Year-round service encompasses all of North Haven's village area, out the Iron Point Road to the beginning of the Golf Course Road, out Main Street ending just past the Grange Hall, and up South Shore Road to the Pumping Station Road. Seasonal water is provided generally from Memorial Day to Columbus Day through a combination of plastic and galvanized surface mains and lateral water lines. Seasonal water extends the length of Crabtree Point Road, the Ames Point Road, Tennis Court Road, Dole Road, Iron Point Road, Pulpit Harbor, and the Golf Course. Fresh Pond has currently met the water system demand for North Haven.²

The Town enforces the Fresh Pond Watershed Protection Ordinance (enacted December 1991 with draft amendments dated February 2023) to protect the surface water of Fresh Pond and its contributing watershed from operations that would degrade its water quality. There are reportedly no working farms or pesticides used within the watershed. Swimming and all motorized crafts are prohibited on the pond. The treatment plant is locked at all times and can only be entered by the operators or by request through the Town Office.¹

² 2008 Comprehensive Plan- North Haven, Maine

4.0 GIS DATABASE – PRIVATE WATER SUPPLY WELLS

Ransom compiled a Geographic Information System (GIS) database of private, water supply wells throughout North Haven, including wells located on properties also connected to municipal water. The datasets used in the GIS database included:

1. MGS Water Well Database;
2. MGS Bedrock water supply and lineament maps;
3. MGS Surficial Geologic Maps;
4. MGS Bedrock Geologic Maps;
5. MGS 24K Significant Sand and Gravel Aquifer maps; and
6. Property data obtained from the Town of North Haven’s municipal office.

Wells were identified through the MGS Water Well Database and communication with private landowners. A total of 162 private wells were identified and are included in the GIS database and summarized on Table 1 along with their location by address, owner last name/corporation and tax map/lot parcel designation. Based on information provided by the Town, approximately 325 developed properties on North Haven are not connected to municipal water. Therefore, approximately half of North Haven’s property owners that are assumed to have private, water supply wells provided information for the survey. Well specifics, including the number of wells located at a property, well depth (feet below ground surface), yield (gpm), casing depth (feet below ground surface), date of well installation (month/year) and if the well has been impacted by salt (yes/no) are also provided on Table 1.

Based on the survey results, the well depths range from 60 to 580 feet with an average well depth of 296 feet below ground surface. Well yields range from 0 to 15 gpm with an average yield of 3 gpm. All wells compiled during the survey had casing depths of 20 feet, which indicate that bedrock is very shallow since wells are required to have 10-20 feet of casing installed into bedrock.

4.1 Private Water Supply Demand

According to the 2020 census, there are approximately 420 people, 165 households, and 105 families residing year-round on North Haven. Seasonal population grows to approximately 1,200 people during the summer months. The State of Maine Subsurface Wastewater Disposal Rules provide approximate water well yields for single family dwellings as well as other/commercial facilities. For the purposes of this hydrogeologic evaluation, it was assumed that each residence served by a private water supply well, has three bedrooms. Additionally, a safety factor was applied for daily water usage by assuming that each residence uses twice as much water as specified in Maine’s Subsurface Wastewater Disposal Rules for lawn irrigation/watering purposes.

Based on these assumptions, the approximate yield from each residential water supply well would be 540 gpd, which equates to 0.38 gpm and approximately 200,000 gallons per year (gpy) per residence. The approximate yield associated with a commercial business served by a private water supply well is estimated to be approximately 1,000 gpd, which equates to 0.7 gpm and approximately 365,000 gpy per commercial business.

4.2 Salt-Impacted Wells

The following table summarizes eight (8) salt-impacted wells that were identified on North Haven during the well survey. Based on available data, these wells are inferred to have intercepted bedrock fractures that are connected to non-anthropogenic saltwater sources since anthropogenic salt contamination sources (e.g., sand/salt piles) were not identified in close proximity to these wells.

Salt-Impacted Wells Identified During 2022-2023 Well Survey				
Address	Tax Map/Lot	Well Depth	Well Yield	Date Well Installed
69 Ames Point Road	9/12	445 feet	NA	August 2003
146 Crabtree Point Road	18/3B	NA	NA	NA
203 Oak Hill Road	22/9	NA	NA	January 1972
203 Oak Hill Road	22/9	NA	NA	January 1980
212 South Shore Road	11/9B	NA	NA	NA
544 South Shore Road	12/5	425 feet	NA	NA
138 Turner Farm Road	5/1-4	NA	NA	NA

Notes:

NA= Data not provided during well survey.

As shown on the attached Figures, a majority of these salt-impacted wells are located on the eastern side of North Haven, specifically on properties along Oak Hill Road, South Shore Road and Turner Farm Road. One salt-impacted well was identified on Ames Point and the another well was identified on Crabtree Point. Well depths were only provided for 3 of the 8 salt-impacted wells and ranged from 320 to 445 feet, which extend deeper into bedrock than the average well depth (296 feet) identified during the survey.

According to mapping information provided by the Maine Geological Survey, no faults are located in close proximity to these salt-impacted wells. However, it's possible that an unmapped fault extends in a general southwest to northeast direction between the salt-water cove/estuaries of Cubby's Cove and Banks Cove, thereby placing it in the vicinity of the salt-impacted wells identified along South Shore Road and Turner Farm Road. Based on the close proximity of saltwater bodies to the salt-impacted wells identified on Oak Hill Road, Ames Point Road and Crabtree Point Road, it's inferred that these wells intercepted bedrock fractures that connected to nearby saltwater bodies.

5.0 WATER BALANCE & RECHARGE TO BEDROCK FRACTURE NETWORKS

An assessment of the water flux throughout North Haven was conducted as part of this hydrogeologic evaluation to understand the capacity of bedrock aquifers (i.e., fracture networks) beneath the island to support sustainable groundwater withdrawal. The flux of water through bedrock fracture networks, or water balance, provides context for the overall assessment of safe yield from existing and future water supply wells. To evaluate the water usage on North Haven in the context of the water balance, several approaches and analyses are presented below.

5.1 Precipitation

The closest, long-term daily precipitation data near North Haven has been collected by the National Oceanic and Atmospheric Administration (NOAA) at the West Rockport 1NNW, Maine station (Station ID 171975) from October 1976 to the present date. This weather station is located near Mirror Lake in the Town of Rockport, approximately 10 miles west of North Haven. Based on NOAA's data, average annual precipitation values range from a maximum of 77 inches (2009) to a minimum of 38 inches (1978). Over the period of record, the average annual precipitation at the station is 56 inches.

5.2 Total Water Delivered to North Haven

The island of North Haven is approximately 11.2 square miles. The amount of water delivered to North Haven for 1-inch of precipitation, the total volume of water delivered in the driest and wettest years on record, and the total volume of water delivered in an average precipitation year all provide a means to assess the volume of water delivered to North Haven. These calculations are summarized below.

1. North Haven land area converted to feet: $11.2 \text{ mi}^2 = 312.2 \text{ million ft}^2$
2. Gallons of water per inch of rain: $312.2 \text{ million ft}^2 \times 0.083 \text{ ft (1 in)} = 25.9 \text{ million ft}^3 = 193.8 \frac{\text{million gallons}}{\text{inch of precipitation}}$
3. Gallons of water delivered in the driest year on record (1978): $312.2 \text{ million ft}^2 \times 3.17 \text{ ft (38 in)} = 990 \text{ million ft}^3 = 7.4 \text{ billion gallons per year (BGPY)}$
4. Gallons of water delivered in the wettest year on record (2009): $312.2 \text{ million ft}^2 \times 6.42 \text{ ft (77 in)} = 2 \text{ billion ft}^3 = 15 \text{ BGPY}$
5. Gallons of water delivered in an average precipitation year (full record): $312.2 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 1.45 \text{ billion ft}^3 = 10 \text{ BGPY}$

A basic water balance can be created using the average annual precipitation for North Haven of 56 inches and assuming some basic parameters for evapotranspiration (ET), infiltration, and surface water runoff. According to Caswell (1987)³, approximately 50% of precipitation in the State of Maine runs off through streams, 30 to 40% is delivered back to the atmosphere through ET, and 10 to 20% of precipitation infiltrates into the soil and rock as groundwater recharge.

³ Caswell, W. Bradford, 1987, Groundwater handbook for the State of Maine: Maine Geological Survey, Bulletin 39, 2nd edition

As discussed in Section 2.2, surficial soils on North Haven are typically poorly-drained, thus resulting in very slow infiltration rates. Therefore, infiltration on North Haven likely falls on the lower end of the ranges for Maine; whereby the lower estimate of 10% of precipitation ultimately becomes groundwater recharge. Given this, we estimate that approximately 55% of precipitation on North Haven becomes runoff. This leaves 35% of total precipitation as ET. We can use these estimates to calculate a water budget for North Haven given the average annual precipitation:

1. Mean Annual Precipitation: 56 inches = 10 BGPY
2. Mean Annual Infiltration: $10 \text{ BGPY} \times 0.10 = 1 \text{ BGPY}$
3. Mean Annual ET: $10 \text{ BGPY} \times 0.35 = 3.5 \text{ BGPY}$
4. Mean Annual Runoff: $10 \text{ BGPY} \times 0.55 = 5.5 \text{ BGPY}$

5.3 Bedrock Recharge & Private Water Supply Well Usage

As discussed in Section 2.1, MGS has mapped bedrock faults extending across North Haven. These mapped faults generally trend southwest to northeast across the island and bisect various harbors, coves and embayments. The location and orientation of mapped faults likely serve as boundaries for predominate bedrock fractures that supply groundwater to private water supply wells. Based on these assumptions, the following sections describe estimated water flux and water usage at specific geographic locations throughout North Haven.

Please note that the following sections describe estimated areas bounded by mapped faults and salt-water bodies, which are recharged by precipitation and provide groundwater to private water supply wells. However, due to the limited extraction of groundwater (1-2 gpm) needed for typical residential wells, the groundwater capture zones for these private water supply wells are likely limited to the immediate area/property that the wells are located and dependent on smaller bedrock fracture zones that may or not be connected to mapped faults.

As summarized in the following sections, it does not appear that private water well usage throughout North Haven is stressing distinct bedrock fracture networks that supply groundwater to wells. However, careful consideration should be applied to future development with greater density values (e.g., multiple housing units, commercial businesses and industrial uses) in comparison to single-family residential development that may occur in close proximity to existing development. Careful consideration should be applied since future private, water supply wells sited in denser developed areas would likely extract groundwater from the same bedrock fractures as existing wells in their immediate vicinity. This would be a case-by-case basis due to the high variability and unknown hydrogeologic characteristics (i.e., fracture network, safe yield, fracture depths, among others) of the bedrock fractures supplying groundwater to wells on North Haven, as previously discussed.

5.3.1 Crabtree Point

Crabtree Point is bounded by two unnamed faults that generally trend southwest to northeast from Penobscot Bay to Pulpit Harbor. Based on the locations/orientations of these mapped faults/boundaries, its estimated that the predominate bedrock fractures that supply groundwater to properties on Crabtree Point encompass approximately 1.5 square miles (approximately 960 acres).

1. Crabtree Point land area converted to feet: $1.5 \text{ mi}^2 = 42 \text{ million ft}^2$
2. Gallons of water delivered in an average precipitation year (full record):
 $42 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 196 \text{ million ft}^3 = 1.5 \text{ BGPY}$
3. Mean Annual Infiltration: $1.5 \text{ BGPY} \times 0.10 = 150 \text{ MGPY}$

Approximately 65 residences are located on Crabtree Point between the mapped faults. The average well depth is approximately 380 feet, which is about 80 feet deeper than the island-wide average (~296 feet) and the average yield is 2 gpm. As discussed in Section 4.1, each residence is estimated to extract approximately 200,000 gallons of groundwater from their well on an annual basis. Assuming each residence has a private water supply well, their wells extract approximately 13 million gallons of groundwater on an annual basis, which is approximately 9% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year on Crabtree Point.

5.3.2 Bartlett Harbor to Sedgewick Point

The area of North Haven extending along West District Road and other roads between Bartlett Harbor and Sedgewick Point is bounded by Penobscot Bay and an unnamed fault that generally trends southwest to northeast from Bartlett Harbor to Minister's Creek. Based on the location/orientation of the mapped fault, its estimated that the predominate bedrock fractures that supply groundwater to properties at this area of land encompass approximately 0.65 square miles (approximately 400 acres).

1. Bartlett Harbor to Sedgewick Point land area converted to feet: $0.65 \text{ mi}^2 = 18 \text{ million ft}^2$
2. Gallons of water delivered in an average precipitation year (full record):
 $18 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 84 \text{ million ft}^3 = 628 \text{ MGPY}$
3. Mean Annual Infiltration: $628 \text{ MGPY} \times 0.10 = 62.8 \text{ MGPY}$

Approximately 20 residences are located along West District Road and other roads between the mapped fault and Penobscot Bay. Limited private well data was provided for this area since a majority of these properties are provided with public water on a seasonal basis. However, assuming each residence has a private water supply well, their wells extract approximately 4 MGPY of groundwater (20 residences \times 200,000 gpy), which is approximately 6% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

5.3.3 Amesbury Point to Salt Pond

The area of land extending from Amesbury Point to Salt Pond is bounded by the Southern Harbor Fault and an unnamed fault that generally trends southwest to northeast from Ames Creek through Pulpit Harbor to Salt Pond. Based on the locations/orientations of these mapped faults/boundaries, its estimated that the predominate bedrock fractures that supply groundwater to properties at this portion of North Haven encompass approximately 1 square mile (approximately 635 acres).

1. Amesbury Point to Salt Pond land area converted to feet: $1 \text{ mi}^2 = 28 \text{ million ft}^2$
2. Gallons of water delivered in an average precipitation year (full record):
 $28 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 131 \text{ million ft}^3 = 980 \text{ MGPY}$
3. Mean Annual Infiltration: $980 \text{ MGPY} \times 0.10 = 98 \text{ MGPY}$

Approximately 60 residences, 1 grocery store and 5 commercial businesses are located between the mapped faults. The average well depth is approximately 250 feet, which is about 50 feet shallower than the island-wide average (~296 feet) and the average yield is 3 gpm. Assuming each residence and business has a private water supply well, approximately 14 million gallons of groundwater [(60 residences x 200,000 gpy) + (6 businesses x 365,000 gpy)] is extracted from their wells on an annual basis, which is approximately 14% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

5.3.4 Northeastern End- Pulpit Harbor to Oak Hill

The area of land extending north of Middle Road from Pulpit Harbor to Oak Hill is bounded by the Southern Harbor Fault and Penobscot Bay. Based on the location/orientation of the mapped fault, it is estimated that the predominate bedrock fractures that supply groundwater to properties at this portion of North Haven encompass approximately 2.25 square miles (approximately 1,440 acres).

1. Northeastern End land area converted to feet: $2.25 \text{ mi}^2 = 63 \text{ million ft}^2$
2. Gallons of water delivered in an average precipitation year (full record):
 $63 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 294 \text{ million ft}^3 = 2.2 \text{ BGPY}$
3. Mean Annual Infiltration: $2.2 \text{ BGPY} \times 0.10 = 220 \text{ MGPY}$

Approximately 75 residences and 10 commercial businesses are located between the mapped fault and Penobscot Bay. The average well depth is approximately 290 feet, which is about equal to the island-wide average (~296 feet) and the average yield is 4 gpm. Assuming each residence and business has a private water supply well, approximately 18.7 million gallons of groundwater [(75 residences x 200,000 gpy) + (10 businesses x 365,000 gpy)] is extracted from their wells on an annual basis, which is approximately 8.5% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

5.3.5 Southeast & Eastern End- Southern Harbor to Oak Hill & Mullens Head

The area of North Haven located between the Southern Harbor fault, Cox Cove fault and Waterman Cove fault encompasses approximately 4 square miles (approximately 2,560 acres). This area includes portions of North Haven extending from Southern Harbor northeast to Oak Hill, south to Mullen Head and Fish Point, and excludes Indian Point and areas south of the golf course.

1. Southeast & Eastern End land area converted to feet: $4 \text{ mi}^2 = 112 \text{ million ft}^2$

2. Gallons of water delivered in an average precipitation year (full record):
 $112 \text{ million } ft^2 \times 4.67 \text{ ft } (56 \text{ in}) = 523 \text{ million } ft^3 = 3.9 \text{ BGPY}$
3. Mean Annual Infiltration: $3.9 \text{ BGPY} \times 0.10 = 390 \text{ MGPY}$

Approximately 100 residences and 10 commercial businesses/farms are located between the mapped faults and Penobscot Bay. The average well depth is approximately 390 feet, which is approximately 100 feet deeper than the island-wide average (~296 feet) and the average yield is 2 gpm. Assuming each residence and business has a private water supply well, approximately 23.7 million gallons of groundwater [(100 residences x 200,000 gpy) + (10 businesses x 365,000 gpy)] is extracted from their wells on an annual basis, which is approximately 6% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

5.3.6 Indian Point

As discussed in Section 2.1, the bedrock unit at Indian Point is known as Thorofare Andesite and is separated from the North Haven Greenstone by the Waterman Cove fault. Based on the location/orientation of the mapped fault, its estimated that the predominate bedrock fractures that supply groundwater to properties at Indian Point encompass approximately 0.2 square miles (approximately 130 acres).

1. Indian Point land area converted to feet: $0.2 \text{ mi}^2 = 5.6 \text{ million } ft^2$
2. Gallons of water delivered in an average precipitation year (full record):
 $5.6 \text{ million } ft^2 \times 4.67 \text{ ft } (56 \text{ in}) = 26 \text{ million } ft^3 = 194 \text{ MGPY}$
3. Mean Annual Infiltration: $194 \text{ MGPY} \times 0.10 = 19.4 \text{ MGPY}$

Approximately 12 residences are located on Indian Point. The average well depth is approximately 230 feet, which is approximately 70 feet shallower than the island-wide average (~296 feet) and the average yield is 8 gpm. Assuming each residence has a private water supply well, approximately 2.4 million gallons of groundwater (12 residences x 200,000 gpy) is extracted from their wells on an annual basis, which is approximately 12% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

5.3.7 North Haven Village & Ames Point/Knob

The bedrock units at North Haven Village and Ames Knob/Point areas are known as Ames Knob Formation and Thorofare Andesite. Similar to Indian Point, these bedrock units are separated from the North Haven Greenstone by the Cox Cove fault. Based on the location/orientation of these mapped faults, its estimated that the predominate bedrock fractures that supply groundwater to properties at North Haven Village and Ames Knob/Point encompass approximately 1.6 square miles (approximately 1,025 acres).

1. North Haven Village and Ames Knob/Point land area converted to feet:
 $1.6 \text{ mi}^2 = 45 \text{ million } ft^2$

2. Gallons of water delivered in an average precipitation year (full record):
 $45 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 210 \text{ million ft}^3 = 1.6 \text{ BGPY}$
3. Mean Annual Infiltration: $1.6 \text{ BGPY} \times 0.10 = 160 \text{ MGPY}$

A majority of businesses (approximately 25) and approximately 140 residences are located in North Haven Village and Ames Knob/Point; however, a year-round public water is provided to properties in North Haven Village and public water is provided to a majority of properties on Ames Knob/Point seasonally. For the purpose of this hydrogeologic evaluation, approximately 20 residences on Ames Knob/Point have private water supply wells. The average well depth is approximately 220 feet, which is approximately 70 feet shallower than the island-wide average (~296 feet) and the average yield is 4 gpm. Approximately 4 million gallons of groundwater (20 residences x 200,000 gpy) is extracted from their wells on an annual basis, which is approximately 2.5% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

For comparison purposes, let's assume that public water is not available to North Haven Village and Ames Knob/Point. Therefore, approximately 37.1 million gallons of groundwater [(140 residences x 200,000 gpy) + (25 businesses x 365,000 gpy)] is extracted from their wells on an annual basis, which is approximately 23% of the estimated water that infiltrates into the ground surface and presumably recharges the bedrock fracture network each year at this area of North Haven.

5.4 Surface Water Balance – Fresh Pond

Fresh Pond's drainage basin is approximately 1.56 square miles (1,000 acres), which is the approximate area of land that contributes surface water to Fresh Pond. Using the same calculations above, the following are estimates of the total water delivered to Fresh Pond's drainage basin on an annual basis:

1. Fresh Pond drainage basin land area converted to feet: $1.56 \text{ mi}^2 = 43.56 \text{ million ft}^2$
2. Gallons of water delivered in an average precipitation year (full record):
 $43.56 \text{ million ft}^2 \times 4.67 \text{ ft (56 in)} = 200 \text{ million ft}^3 = 1.5 \text{ BGPY}$

Based on the water balance summarized above in Section 5.2, the average annual flux of approximately 1.5 BGPY of water moves through the Fresh Pond drainage area as runoff and contributes to surface water input and output values for Fresh Pond, as summarized in the equation below.

1. Mean Annual Runoff: $1.5 \text{ BGPY} \times 0.55 = 825 \text{ MGPY}$

As discussed in Section 3, North Haven Water District extracts approximately 20 million gallons of water per year from Fresh Pond for public water distribution. Therefore, approximately 805 million gallons of water are discharged from Fresh Pond, stored in wetlands/swamps surrounding the pond, and/or contribute to groundwater recharge in the Fresh Pond drainage basin on an annual basis with average precipitation. As such, the Town's surface water extraction for municipal water supply is *de minimis* in comparison to the amount of water available in Fresh Pond and replenished via precipitation and reported spring water discharge in the pond. Please note that this flux of surface water is estimated and can be

refined with continuous hydrologic monitoring of Fresh Pond's input water systems (i.e., precipitation, stream gauging, etc.) and the pond's discharge into Salt Pond.

6.0 GEOPHYSICAL SURVEY- POTENTIAL FUTURE PUBLIC WATER SUPPLY WELL(S)

The following paragraphs summarize the results of a geophysical resistivity survey completed on properties located southwest of the Town of North Haven's Water Treatment Plant near Fresh Pond. The purpose of the geophysical resistivity survey was to identify potential bedrock fractures that could be targeted for future municipal water supply well(s), if that need arises. The survey was completed on November 2 and 3, 2022 by Ransom and our subcontractor, Northeast Geophysical Services Inc. (NGS) of Bangor, Maine.

The geophysical resistivity survey consisted of one approximately 3,000-foot long transect, which was extended across four, undeveloped wooded properties (Tax Map 215, Lots 29, 53, 55 and 58) in a general east-west direction, as shown on the figure included in **Appendix B**. Based on the bedrock profile, modeled by the geophysical resistivity survey, it appears that two distinct bedrock fracture sets were identified along the transect. One fracture zone was identified approximately 925 feet (280 meters) and the other fracture zone was identified approximately 1,800 feet (550 meters) from the start of the transect. Copies of NGS's geophysical resistivity plots are included as **Appendix B**.

7.0 RECOMMENDATIONS

Based on the findings of this hydrogeologic evaluation, Ransom recommends the following:

1. As additional hydrogeologic and/or private water supply well information becomes available, the GIS database and considerations for future water supply use should be updated as appropriate.
2. Although private water well usage throughout North Haven does not appear to be stressing distinct bedrock fracture networks that supply groundwater to wells; careful consideration should be applied to future development that may occur in close proximity to existing development whereby future private, water supply wells would likely extract groundwater from the same bedrock fractures as existing wells in their immediate vicinity. Please note that this would be a case-by-case basis due to the high variability and unknown hydrogeologic characteristics (i.e., fracture network, safe yield, fracture depths, among others) of the bedrock fractures supplying groundwater to wells on North Haven.
3. Based on the geophysical resistivity survey results, at least one and up to two test wells should be advanced at the locations of the bedrock fracture zones identified along the resistivity survey transect that was completed on properties located southwest of Fresh Pond. The test well(s) will evaluate whether the inferred bedrock fractures, identified by the geophysical survey, are water-bearing, and if their yield is sufficient for use as a public drinking water source by the North Haven Water Department.
4. Hydrodynamic modeling and analysis of Pulpit Harbor and Fresh Pond's outlet is recommended to complete a sea level rise vulnerability assessment that can be used to determine the risk of saltwater intrusion into Fresh Pond taking into consideration statistical analysis of predicted sea level rise and storm surge events. Please see Appendix C for Ransom's Memorandum titled, "North Haven Water Supply; Storm Surge and Sea Level Rise Vulnerability Assessment," dated September 7, 2022, for detailed information summarizing our evaluation of several hazard mitigation approaches and hazard probabilities for risk to saltwater intrusion to Fresh Pond; and
5. Evaluate water quality sample data from reported salt-impacted wells to determine if the source of elevated chlorides present in these wells are from seawater, road salt and/or unknown/unreported naturally occurring sources. Evaluation of chloride-bromide ratios in groundwater can be used to determine if road-salting or saltwater intrusion from seawater is the source of chlorides.

8.0 REFERENCES

1. 2008 Comprehensive Plan- North Haven, Maine.
2. Caswell, W. Bradford, 1987, Ground water handbook for the State of Maine: Maine Geological Survey, Bulletin 39, 2nd edition.
3. Gates, Olcott, 2001, Bedrock Geology of North Haven and Vinalhaven Islands, Maine: Maine Geological Survey, Geologic Map No. 01-352, color map, scale 1:24,000.
4. Smith, Geoffrey W., 1986, Reconnaissance Surficial Geology of the Vinalhaven Quadrangle, Maine: Maine Geological Survey, Open File No. 86-52, color map, scale 1:62,500.
5. Caswell, Eichler and Hill, Inc. 1986, Lineaments, High-Yield Bedrock Wells, and Potential Bedrock Recharge Areas in the Bangor 2 Degree Sheet: Maine Geological Survey, Open File No. 86-69, black & white map, scale 1:250,000.

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	STREET NAME		TAX MAP	LOT	SUBLOT									
	FIVE TREE ISLAND	001-002	221	007	000	0.25	-	-	-	-	-	-	-	-
	STIMPSON ISLAND	001-001	221	006	000	208	-	-	-	-	-	-	-	-
0	BURNT ISLAND	002-002	218	001	000	74	-	-	-	-	-	-	-	-
	CALDERWOOD ISLAND	002-001	220	001	000	50	-	-	-	-	-	-	-	-
	BABBIDGE ISLAND	003-001	219	001	000	68	-	-	-	-	-	-	-	-
142	IRON POINT ROAD	004-003	106	005	000	8.2	-	-	-	-	-	-	-	-
17	SNOW STREET	004-009	106	010	000	15.76	-	-	-	-	-	-	-	-
19	CROSSTREES ROAD	004-006	106	006	000	15.55	-	-	-	-	-	-	-	-
209	IRON POINT ROAD	004-007	106	007	000	10.8	-	-	-	-	-	-	-	-
222	IRON POINT ROAD	004-007-A	106	008	000	3.7	-	-	-	-	-	-	-	-
40	IRON POINT ROAD	004-001	105	060	000	26	-	-	-	-	-	-	-	-
71	GOLF COURSE ROAD	004-002	229	001	000	154.57	-	-	-	-	-	-	-	-
61	GOLF COURSE ROAD	004-006-A	229	005	000	4.9	-	-	-	-	-	-	-	-
65	GOLF COURSE ROAD	004-004	229	003	000	4.8	-	-	-	-	-	-	-	-
71	GOLF COURSE ROAD	004-002	229	001	000	154.57	-	-	-	-	-	-	-	-
	GOLF COURSE ROAD	004-002-A	229	002	000	8.1	-	-	-	-	-	-	-	-
	GOLF COURSE ROAD	004-008	106	009	000	0.25	-	-	-	-	-	-	-	-
	GOLF COURSE ROAD	004-005	229	004	000	3	-	-	-	-	-	-	-	-
	GOLF COURSE ROAD	004-006-B	229	006	000	4.95	-	-	-	-	-	-	-	-
138	TURNER FARM ROAD	005-001	222	001	000	165	1	-	-	-	Y	44.142945	-68.844810	-
138	TURNER FARM ROAD	005-001	222	001	000	165	2	225	-	-	N	44.143185	-68.844329	1983
138	TURNER FARM ROAD	005-001	222	001	000	165	3	285	2	20	N	44.142479	-68.845153	2017
138	TURNER FARM ROAD	005-001	222	001	000	165	-	-	-	-	-	-	-	-
138	TURNER FARM ROAD	005-001	222	001	000	165	1	-	-	-	N	44.143289	-68.850350	-
138	TURNER FARM ROAD	005-001	222	001	000	165	1	425	1	20	N	44.142046	-68.851156	2017
138	TURNER FARM ROAD	005-001	222	001	000	165	1	405	5	20	N	44.142864	-68.848885	2009
138	TURNER FARM ROAD	005-001	222	001	000	165	-	-	-	-	N	44.138808	-68.852090	-
138	TURNER FARM ROAD	005-001	222	001	000	165	1	165	7	20	N	44.142296	-68.857664	2017
	OFF FISH POINT	005-001-A	222	002	000	0.02	-	-	-	-	-	-	-	-
10	BULL ROCK ROAD	006-002	221	002	000	3.7	1	-	-	-	-	44.145117	-68.820612	-
13	COOPER'S LANE	006-007	217	009	000	0.8	1	-	-	-	-	44.149027	-68.816227	-
178	INDIAN POINT ROAD	006-009	217	006	000	0.5	1	391	-	-	N	44.148889	-68.817222	-
191	INDIAN POINT ROAD	006-004	217	012	000	18.9	-	-	-	-	-	-	-	-
219	INDIAN POINT ROAD	006-005	221	005	000	1.25	1	100	-	-	N	44.146518	-68.820037	-
23	COOPER'S LANE	006-008	217	008	000	0.84	1	-	-	-	-	44.148805	-68.817314	-
273	INDIAN POINT ROAD	006-001	221	004	000	52.1	1	100	15	-	-	44.146670	-68.820830	-
37	COOPER'S LANE	006-010	217	007	000	13.58	-	-	-	-	-	-	-	-
9	BULL ROCK ROAD	006-003	221	001	000	3.65	-	-	-	-	-	-	-	-
	INDIAN POINT ROAD	006-015	217	016	000	3	-	-	-	-	-	-	-	-
60	INDIAN POINT ROAD	006-016	217	005	000	14.25	1	-	-	-	N	44.154595	-68.823712	-

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	STREET NAME		TAX MAP	LOT	SUBLOT									
95	INDIAN POINT ROAD	006-014	217	015	000	5	1	95	-	-	N	44.150563	-68.824126	-
	INDIAN POINT ROAD	006-011	217	013	000	1.63	-	-	-	-	-	-	-	-
	COOPERS LANE	006-006	217	010	000	2.32	1	480	-	20	N	44.148796	-68.816459	2021
	INDIAN POINT ROAD	006-012	217	014	000	11.5	-	-	-	-	-	-	-	-
	INDIAN POINT ROAD	006-003-A	217	011	000	1.25	-	-	-	-	-	-	-	-
	LITTLE THOROFARE	006-017	217	018	000	0	-	-	-	-	-	-	-	-
	DUMPLING ISLAND	008-001	228	001	000	2	-	-	-	-	-	-	-	-
122	AMES POINT ROAD	009-007	104	003	000	4.5	1	140	5	-	-	44.129720	-68.885280	-
126	AMES POINT ROAD	009-003	104	005	000	0.5	-	-	-	-	-	-	-	-
126	AMES POINT ROAD	009-006	104	004	000	6.7	-	-	-	-	-	-	-	-
13	ELLEN'S WAY	009-005-A	103	007	000	5.35	-	-	-	-	-	-	-	-
130	AMES POINT ROAD	009-002-A	104	006	000	4.6	-	-	-	-	-	-	-	-
132	AMES POINT ROAD	009-002	104	007	000	3.25	1	-	-	-	-	44.131370	-68.887019	-
145	AMES POINT ROAD	009-004-A	104	009	000	4	-	-	-	-	-	44.131075	-68.888888	-
16	ELLEN'S WAY	009-004	103	004	000	4.96	-	-	-	-	-	-	-	-
194	AMES POINT ROAD	009-001	104	008	000	4.2	1	160	1.5	-	-	44.131670	-68.892140	-
32	ELLEN'S WAY	009-004-B	103	005	000	2.04	-	-	-	-	-	-	-	-
348	MAIN STREET	009-011-C	101	004	000	2.09	-	-	-	-	-	-	-	-
362	MAIN STREET	009-011	101	005	000	12.05	-	-	-	-	-	-	-	-
64	AMES POINT ROAD	009-010	103	002	000	3.9	1	260	3	-	-	44.132900	-68.881970	-
69	AMES POINT ROAD	009-012	103	009	000	4.6	1	230	2	-	N	-	-	-
69	AMES POINT ROAD	009-012	103	009	000	4.6	2	445	-	20	Y	44.135745	-68.887546	2003
	AMES POINT ROAD	009-008	103	003	000	1.5	-	-	-	-	-	-	-	-
	AMES POINT ROAD	009-009	103	008	000	58	-	-	-	-	-	-	-	-
	AMES POINT ROAD	009-005	103	006	000	4.85	-	-	-	-	-	-	-	-
	MAIN STREET	009-011-B	101	007	000	3.9	-	-	-	-	-	-	-	-
	MAIN STREET	009-011-A	101	006	000	0.06	-	-	-	-	-	-	-	-
104	SOUTH SHORE ROAD	010-014	215	057	000	0.92	-	-	-	-	-	-	-	-
148	WATERMAN FARM ROAD	010-010	223	011	000	152.2	-	-	-	-	-	-	-	-
	MAIN STREET	010-001-B	101	010	000		1	480	0.5	-	-	44.139730	-68.875000	-
416	MAIN STREET	010-001	101	008	000	4.77	-	-	-	-	-	-	-	-
446	MAIN STREET	010-015	101	012	000	3.62	-	-	-	-	-	-	-	-
469	MAIN STREET	010-003	101	013	000	6.5	-	-	-	-	-	-	-	-
505	MAIN STREET	010-004	223	014	000	1	-	-	-	-	-	-	-	-
506	MAIN STREET	010-002	223	001	000	12	-	-	-	-	-	-	-	-
518	MAIN STREET	010-005	223	002	000	1.25	-	-	-	-	-	-	-	-
528	MAIN STREET	010-006	223	003	000	1.5	-	-	-	-	-	-	-	-
558	MAIN STREET	010-006-A	223	004	000	1.03	-	-	-	-	-	-	-	-
561	MAIN STREET	010-009	223	012	000	2.8	-	-	-	-	-	-	-	-
566	MAIN STREET	010-008	223	005	000		-	-	-	-	-	-	-	-

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	STREET NAME	(TAX MAP- LOT)	TAX MAP	LOT	SUBLOT										
578	SOUTH SHORE ROAD	010-012	215	066	000	0.91	-	-	-	-	-	-	-	-	-
77	SOUTH SHORE ROAD	010-011	215	067	000	1.84	1	-	-	-	-	44.147424	-68.864110	-	-
92	SOUTH SHORE ROAD	010-013	215	056	000	0.92	-	-	-	-	-	-	-	-	-
	MAIN STREET	010-007	223	013	000	0.34	-	-	-	-	-	-	-	-	-
	MAIN STREET	010-001-A	101	009	000	4.78	-	-	-	-	-	-	-	-	-
121	SOUTH SHORE ROAD	011-001	215	065	000	4.75	-	-	-	-	-	-	-	-	-
128	SOUTH SHORE ROAD	011-002	215	061	000	1.75	-	-	-	-	-	-	-	-	-
156	SOUTH SHORE ROAD	011-005	215	062	000	10.5	-	-	-	-	-	-	-	-	-
194	SOUTH SHORE ROAD	011-005-B	216	003	000	7.1	-	-	-	-	-	-	-	-	-
212	SOUTH SHORE ROAD	011-009-B	216	005	000	55	1	-	-	-	Y	44.152484	-68.851849	-	-
253	SOUTH SHORE ROAD	011-008-B	216	013	000	9.9	1	350	1.5	-	N	44.132356	-68.873783	-	-
269	SOUTH SHORE ROAD	011-008	216	012	000	12.54	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	011-009-C	216	007	000		-	-	-	-	-	-	-	-	-
	PUMPING STATION ROAD	011-010	215	060	000	85.74	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	011-007	216	014	000	5	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	011-003	215	064	000	1.5	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	011-009	216	006	000	107	-	-	-	-	-	-	-	-	-
156	SOUTH SHORE ROAD	011-005	215	062	000	10.5	-	-	-	-	-	-	-	-	-
18	CALDERWOOD LOOP	012-005-F	209	005	000	10	1	-	-	-	N	44.161822	-68.829279	-	-
377	SOUTH SHORE ROAD	012-001	216	010	000	64	1	320	2	20	N	44.150203	68.835552	-	-
38	CALDERWOOD LOOP	012-005-E	209	006	000	10.04	-	-	-	-	-	-	-	-	-
	CALDERWOOD LOOP	012-005-D1	209	007	000	10	-	-	-	-	-	-	-	-	-
508	SOUTH SHORE ROAD	012-005-A	217	001	000	35.33	-	-	-	-	-	-	-	-	-
517	SOUTH SHORE ROAD	012-004	209	031	000	14.3	1	505	-	-	N	44.158055	-68.824362	-	-
517	SOUTH SHORE ROAD	012-004	209	031	000	14.3	1	-	-	-	N	44.158019	-68.824042	-	-
542	SOUTH SHORE ROAD	012-006	209	001	000	5.38	1	425	0.5	-	N	44.158883	-68.827992	-	-
542	SOUTH SHORE ROAD	012-006	209	001	000	5.38	2	460	0.0	-	N	44.159552	-68.827715	-	-
544	SOUTH SHORE ROAD	012-005-H	209	002	000	4.82	1	320	0.5	20	Y	44.159849	-68.831134	2008	-
546	SOUTH SHORE ROAD	012-005-C	209	003	000	15	-	-	-	-	-	-	-	-	-
562	SOUTH SHORE ROAD	012-007	209	004	000	2.1	1	465	-	-	-	44.161165	-68.827858	-	-
602	SOUTH SHORE ROAD	012-005-B	209	009	000	2.3	-	-	-	-	-	-	-	-	-
607	SOUTH SHORE ROAD	012-005-B-1	209	010	000	2	-	-	-	-	-	-	-	-	-
46	CALDERWOOD LOOP	012-005	209	012	000	3.53	1	485	-	20	N	44.163849	-68.830653	2001	-
48	CALDERWOOD LOOP	012-005-G	209	011	000	4.96	-	-	-	-	-	-	-	-	-
620	SOUTH SHORE ROAD	012-008	209	013	000	2.34	1	214	1.5	-	N	44.164517	-68.830217	-	-
9	INDIAN POINT ROAD	012-003	217	017	000	15.42	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	012-004-1	217	003	000	3.07	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	012-004-2	217	004	000	14.7	-	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	012-002	216	009	000	200	-	-	-	-	-	-	-	-	-
37	BANKS COVE ROAD	013-002-C	209	026	000	87.8	1	285	2	-	N	44.166929	-68.821208	-	-

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	STREET NAME		TAX MAP	LOT	SUBLOT									
	BEVERAGE COLONY RD	013-004-F	207	020	000		1	115	7	-	-	44.166670	-68.820560	-
	BEVERAGE COLONY ROAD	013-004-E	207	021	000		-	-	-	-	-	-	-	-
	BEVERAGE COLONY ROAD	013-004-D	207	022	000		-	-	-	-	-	-	-	-
	BEVERAGE COLONY ROAD	013-004-D	207	022	000		1	-	-	-	-	44.170066	-68.820085	-
	BEVERAGE COLONY ROAD	013-004-A	209	020	000		1	160	4	-	N	44.168333	-68.820000	-
37	BANKS COVE ROAD	013-002-C	209	026	000	87.8	-	-	-	-	-	-	-	-
39	BANK'S COVE ROAD	013-002	209	027	000	4.03	1	300	0.5	-	N	43.715743	-68.822386	-
565	SOUTH SHORE ROAD	013-002-B	209	028	000	2.17	1	325	3	-	-	44.161290	-68.827300	-
621	SOUTH SHORE ROAD	013-003	209	025	000	1.85	-	-	-	-	-	-	-	-
627	SOUTH SHORE ROAD	013-003-A	209	024	000	4.16	-	-	-	-	-	-	-	-
75	BANK'S COVE ROAD	013-002-A	209	029	000	33	-	-	-	-	-	-	-	-
144	BEVERAGE COLONY ROAD	013-004	209	021	000	28.5	-	-	-	-	-	-	-	-
	BEVEADGE COLONY ROAD	013-004-B	209	019	000		-	-	-	-	-	-	-	-
	BEVERAGE COLONY ROAD	013-004-C	207	023	000		-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	013-001	209	030	000	245.25	-	-	-	-	-	-	-	-
75	SOUTH SHORE ROAD	013-002-D	209	029	001		-	-	-	-	-	-	-	-
	DAGGER ISLAND	014-003	202	003	000	3.7	-	-	-	-	-	-	-	-
	DOWNFALL ISLAND	014-002	202	002	000	1.1	-	-	-	-	-	-	-	-
	SHEEP ISLAND	014-001	202	001	000	25	-	-	-	-	-	-	-	-
	SALT MARSH LANE	015-002-6	231	006	000	6.6	1	425	-	-	-	44.115046	-68.941885	-
107	SALT MARSH LANE	015-002-1	231	005	000	5.01	-	-	-	-	-	-	-	-
125	SALT MARSH LANE	015-002-5	231	004	000	10.62	-	-	-	-	-	-	-	-
134	SALT MARSH DRIVE	015-001	231	003	000	2.71	-	-	-	-	-	-	-	-
234	SALT MARSH LANE	015-002-3	231	001	000	13.22	-	-	-	-	-	-	-	-
771	CRABTREE POINT ROAD	015-005	230	012	000	2.35	-	-	-	-	-	-	-	-
796	CRABTREE POINT ROAD	015-006-A	230	003	000	5.3	1	440	0.5	-	N	44.122080	-68.931000	-
898	CRABTREE POINT ROAD	015-004	230	010	000	9.7	1	300	2	-	-	44.120200	-68.934800	-
846	CRABTREE POINT ROAD	015-003	230	005	000	8.2	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	015-004-A	230	009	000	3.8	1	425	1	20	-	44.117917	-68.936708	2007
	CRABTREE POINT ROAD	015-003-A	230	006	000	3.5	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	015-002-7	230	008	000	12.9	-	-	-	-	-	-	-	-
927	CRABTREE POINT ROAD	015-002	230	007	000	11.1	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	015-006	230	002	000	1.8	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	015-003-B	230	004	000	5.4	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	015-005-A	230	011	000	0.95	-	-	-	-	-	-	-	-
	SALT MARSH LANE	015-002-2	231	007	000	41.3	-	-	-	-	-	-	-	-
	SALT MARSH DRIVE	015-002-4	231	002	000	3.54	1	-	-	-	-	44.114043	-68.939475	-
22	BELA PRATT ROAD	016-012-A	227	014	000	2.04	-	-	-	-	-	-	-	-
24	BENSON ROAD	016-004	226	004	000	7.28	-	-	-	-	-	-	-	-
26	BELA PRATT ROAD	016-012	227	015	000	8.5	-	-	-	-	-	-	-	-

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Town of North Haven
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NUMBER	ADDRESS		OLD PARCEL ID	NEW PARCEL ID			AREA (ACRES)	NUMBER OF WELLS ON	WELL DEPTH (FEET)	WELL YIELD (GPM)	WELL CASING	SALT IMPACT (Y/N)	LATITUDE	LONGITUDE	DATE WELL DRILLED
	STREET NAME	(TAX MAP- LOT)	TAX MAP	LOT	SUBLOT										
31	BELA PRATT ROAD	016-014	227	017	000	4.3	-	-	-	-	-	-	-	-	-
47	BELA PRATT ROAD	016-015	227	016	000	54	-	-	-	-	-	-	-	-	-
570	CRABTREE POINT ROAD	016-010	227	005	000	28.36	-	-	-	-	-	-	-	-	-
592	CRABTREE POINT ROAD	016-009-B	227	006	000	14.05	1	565	-	-	N	44.128777	-68.918554	-	-
592	CRABTREE POINT ROAD	016-009-B	227	006	000	14.05	2	465	0.5	-	N	44.128936	-68.917281	-	-
6	BENSON ROAD	016-004-A	226	003	000	15.32	-	-	-	-	-	-	-	-	-
654	CRABTREE POINT ROAD	016-009	227	009	000	4.39	-	-	-	-	-	-	-	-	-
694	CRABTREE POINT ROAD	016-005	226	001	000	2.65	1	265	5	20	N	44.126905	-68.926193	-	-
70	WOOSTER FARM ROAD	016-006	226	005	000	19.1	-	-	-	-	-	-	-	-	-
71	WOOSTER FARM ROAD	016-007	226	007	000	54.9	-	-	-	-	-	-	-	-	-
72	WOOSTER FARM ROAD	016-006-A	226	006	000	4.2	-	-	-	-	-	-	-	-	-
755	CRABTREE POINT ROAD	016-001	230	013	000	4.1	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-003	226	002	000	2.87	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-008-A	227	011	000	9.84	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-009-A	227	008	000	3.8	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-002	230	001	000	4.7	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-008	227	010	000	6.06	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-011	227	013	000	9	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	016-008-B	227	012	000	28.22	1	325	10	-	N	44.130906	-68.919908	-	-
	CRABTREE POINT ROAD	016-009-D	227	007	000	2.03	1	-	-	-	N	44.129491	-68.917547	-	-
24	SHEEP MEADOW ROAD	017-003-A	227	002	000	23	1	-	-	-	-	44.136518	-68.914346	-	-
258	AMESBURY POINT ROAD	017-012	227	001	000	3.14	1	225	3	-	-	44.131890	-68.908430	-	-
322	CRABTREE POINT ROAD	017-011	224	006	000	22	1	300	0.3	-	-	44.140710	-68.900770	-	-
334	CRABTREE POINT ROAD	017-010	225	001	000	6	-	-	-	-	-	-	-	-	-
339	CRABTREE POINT ROAD	017-009	225	044	000	4.5	-	-	-	-	-	-	-	-	-
351	CRABTREE POINT ROAD	017-008	225	043	000	2.25	-	-	-	-	-	-	-	-	-
353	CRABTREE POINT ROAD	017-007	225	042	000	3.09	-	-	-	-	-	-	-	-	-
358	CRABTREE POINT ROAD	017-003-B	225	002	000	10.2	1	-	-	-	-	44.138721	-68.905933	-	-
363	CRABTREE POINT ROAD	017-005	225	041	000	3.2	-	-	-	-	-	-	-	-	-
366	CRABTREE POINT ROAD	017-003-C	225	003	000	4	1	405	1	20	N	44.138566	-68.906988	2001	-
368	CRABTREE POINT ROAD	017-003	225	004	000	36	-	-	-	-	-	-	-	-	-
371	CRABTREE POINT ROAD	017-004	225	040	000	4.27	1	100	4.5	-	-	44.138890	-68.909170	-	-
389	CRABTREE POINT ROAD	017-004-A	225	039	000	3.32	-	-	-	-	-	-	-	-	-
411	CRABTREE POINT ROAD	017-004-B	225	038	000	3.11	1	420	0.5	-	-	44.138630	-68.911060	-	-
492	CRABTREE POINT ROAD	017-001	227	004	000	6.3	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	017-002	227	003	000	8.95	-	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	018-003	224	001	000	152.8	-	-	-	-	-	-	-	-	-
146	CRABTREE POINT ROAD	018-003-B	224	002	000	3.2	1	-	-	-	Y	44.144200	-68.889510	-	-
148	CRABTREE POINT ROAD	018-001	224	003	000	2.25	1	320	-	-	N	44.143670	-68.891717	-	-
150	CRABTREE POINT ROAD	018-002	224	004	000	0.41	-	-	-	-	-	-	-	-	-

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	STREET NAME		TAX MAP	LOT	SUBLOT									
187	CRABTREE POINT ROAD	018-004-1	224	010	000	4.2	-	-	-	-	-	-	-	-
221	CRABTREE POINT ROAD	018-004-2	224	009	000	4.5	-	-	-	-	-	-	-	-
25	GNARLWOOD LANE	018-006-2	214	004	000	18.6	-	-	-	-	-	-	-	-
3	AMESBURY POINT ROAD	018-003-A	224	005	000	1.9	-	-	-	-	-	-	-	-
38	GNARLWOOD LANE	018-006-3	214	003	000	10.5	-	-	-	-	-	-	-	-
	DEAD HORSE POINT	018-005	214	007	000	18.1	-	-	-	-	-	-	-	-
	DEAD HORSE POINT	018-005	214	007	000	18.1	1	-	-	-	-	44.149655	-68.888986	-
	CRABTREE POINT ROAD	018-007	214	009	000	3	1	580	-	-	N	44.149234	-68.884776	-
89	CRABTREE POINT ROAD	018-007-A	214	008	000	5.2	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	018-003	224	001	000	152.8	-	-	-	-	-	-	-	-
104	PULPIT HARBOR ROAD	019-019	215	007	000	2.8	-	-	-	-	-	-	-	-
109	PULPIT HARBOR ROAD	019-020	215	044	000	0.34	-	-	-	-	-	-	-	-
119	PULPIT HARBOR ROAD	019-021	215	041	000	0.25	-	-	-	-	-	-	-	-
12	PULPIT HARBOR ROAD	019-003	223	007	000	8.6	-	-	-	-	-	-	-	-
123	PULPIT HARBOR ROAD	019-026	215	040	000	1.6	-	-	-	-	-	-	-	-
131	PULPIT HARBOR ROAD	019-027	215	039	000	0.44	-	-	-	-	-	-	-	-
137	PULPIT HARBOR ROAD	019-029-A	215	038	000	1.11	-	-	-	-	-	-	-	-
146	PULPIT HARBOR ROAD	019-031	215	011	000	0.75	-	-	-	-	-	-	-	-
11	PULPIT HARBOR ROAD	019-032	215	012	000	3.3	-	-	-	-	-	-	-	-
181	PULPIT HARBOR ROAD	019-036	215	033	000	1.29	1	100	4.5	-	-	44.155280	-68.875280	-
19	CRABTREE POINT ROAD	019-025	215	009	000	3.15	-	-	-	-	-	-	-	-
21	CRABTREE POINT ROAD	019-028-A	214	015	000	6.34	-	-	-	-	-	-	-	-
23	MIDDLE ROAD	019-041	215	032	000	54	-	-	-	-	-	-	-	-
24	POOL ROAD	019-032-A	215	013	000	6.4	-	-	-	-	-	-	-	-
25	CRABTREE POINT ROAD	019-024	214	014	000	1.2	1	265	0.5	-	N	44.151814	-68.879988	-
26	CRABTREE POINT ROAD	019-022	214	001	000	34.3	-	-	-	-	-	-	-	-
29	CRABTREE POINT ROAD	019-023	214	013	000	0.25	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	019-028-C	214	011	000	4.47	-	-	-	-	-	-	-	-
31	PULPIT HARBOR ROAD	019-006	223	009	000	0.57	-	-	-	-	-	-	-	-
33	CRABTREE POINT ROAD	019-028-B	214	012	000	9.02	-	-	-	-	-	-	-	-
40	PUMPING STATION ROAD	019-042	215	058	000	5.33	-	-	-	-	-	-	-	-
41	PULPIT HARBOR ROAD	019-007	215	052	000	1.33	-	-	-	-	-	-	-	-
43	MIDDLE ROAD	019-039	215	031	000	4	1	300	1.5	-	-	44.156200	-68.870580	-
	PULPIT HARBOR ROAD	019-008	215	051	000	1.4	-	-	-	-	-	-	-	-
44	RUNWAY ROAD	019-012-B	215	008	000	14.37	1	-	-	-	N	44.148671	-68.876811	-
5	POOL ROAD	019-034	215	014	000	4.3	-	-	-	-	-	-	-	-
53	PULPIT HARBOR ROAD	019-009	215	050	000	0.72	-	-	-	-	-	-	-	-
56	PULPIT HARBOR ROAD	019-010	215	002	000	0.29	-	-	-	-	-	-	-	-
	MIDDLE ROAD	019-040-A	215	030	000	12.2	-	-	-	-	-	-	-	-
59	PULPIT HARBOR ROAD	019-011	215	049	000	1.42	-	-	-	-	-	-	-	-

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	STREET NAME		TAX MAP	LOT	SUBLOT									
60	PULPIT HARBOR ROAD	019-012	215	003	000	6.63	-	-	-	-	-	-	-	
	SOUTH SHORE ROAD	019-002	215	053	000	85.72	-	-	-	-	-	-	-	
	MIDDLE ROAD	019-040	215	029	000	72.87	1	435	1.3	-	N	44.157713	-68.867326	-
71	PULPIT HARBOR ROAD	019-013	215	048	000	1	-	-	-	-	-	-	-	-
73	PULPIT HARBOR ROAD	019-014	215	047	000	2.74	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-012-C	215	004	000	6.55	-	-	-	-	-	-	-	-
80	PULPIT HARBOR ROAD	019-015	215	005	000	0.37	-	-	-	-	-	-	-	-
82	PULPIT HARBOR ROAD	019-016	215	006	000	0.88	-	-	-	-	-	-	-	-
83	PULPIT HARBOR ROAD	019-017	215	046	000	1.54	1	149	2.5	-	-	44.149720	-68.875000	-
84	SOUTH SHORE ROAD	019-001	215	055	000	19	-	-	-	-	-	-	-	-
93	PULPIT HARBOR ROAD	019-018	215	045	000	4.2	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	019-028-D	214	010	000	4.2	-	-	-	-	-	-	-	-
0	MIDDLE ROAD	019-038	215	028	000	26	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-005	223	008	000	1	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-028	215	010	000	2.1	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-029	215	037	000	0.97	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-033	215	034	000	0.5	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-026-A	215	043	000	8.78	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD	019-026-B	215	042	000	3.2	-	-	-	-	-	-	-	-
	PULPIT HARBOR RD	019-003-A	223	006	000		-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	019-002	215	053	000	85.72	-	-	-	-	-	-	-	-
	SOUTH SHORE ROAD	019-002-A	215	054	000	2.57	-	-	-	-	-	-	-	-
123	MIDDLE ROAD	020-003	211	036	000	30	-	-	-	-	-	-	-	-
140	MIDDLE ROAD	020-004	211	028	000	3.5	1	125	1.0	-	N	44.159498	-68.863016	-
155	MIDDLE ROAD	020-006-B	211	035	000	10	-	-	-	-	-	-	-	-
163	MIDDLE ROAD	020-006-C	211	034	000	5.5	-	-	-	-	-	-	-	-
165	MIDDLE ROAD	020-006	211	033	000	17.5	-	-	-	-	-	-	-	-
20	DAM ROAD	020-005	211	031	000	40.8	1	-	-	-	-	44.162921	-68.860846	-
211	MIDDLE ROAD	020-006-A	210	015	000	17.8	1	305	1	-	N	44.159906	-68.855426	-
239	MIDDLE ROAD	020-007	210	014	000	4.55	-	-	-	-	-	-	-	-
239	MIDDLE ROAD	020-011	210	002	000	2.95	-	-	-	-	-	-	-	-
292	MIDDLE ROAD	020-008	210	003	000	30	-	-	-	-	-	44.165109	-68.852967	-
300	MIDDLE ROAD	020-009	210	004	000	156.36	1	300	2	-	N	44.164380	-68.849040	-
300	MIDDLE ROAD	020-009	210	004	000	156.36	2	-	-	-	-	44.164583	-68.848793	-
38	DAM ROAD	020-005-A	211	032	000	34.5	1	250	7	-	N	44.162849	-68.857862	-
38	DAM ROAD	020-005-A	211	032	000	34.5	2	-	-	-	N	44.162136	-68.858517	-
94	PUMPING STATION ROAD	020-001	216	001	000	3.06	-	-	-	-	-	-	-	-
	MIDDLE ROAD	020-012-B	211	030	000	3.1	-	-	-	-	-	-	-	-
0	MIDDLE ROAD	020-012-A	210	001	000	1	-	-	-	-	-	-	-	-
	MIDDLE ROAD	020-010	210	013	000	16	-	-	-	-	-	-	-	-

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	STREET NAME		TAX MAP	LOT	SUBLOT									
	MIDDLE ROAD	020-012	211	029	000	3.5	-	-	-	-	-	-	-	-
	PUMPING STATION ROAD	020-002	216	002	000	4.1	-	-	-	-	-	-	-	-
348	MIDDLE ROAD	021-001	210	006	000	41	1	100	13.5	-	-	44.165830	-68.846390	-
348	MIDDLE ROAD	021-001	210	006	000	41	2	245	5	-	-	44.166420	-68.847050	-
395	MIDDLE ROAD	021-002	210	012	000	45	-	-	-	-	-	-	-	-
400	MIDDLE ROAD	021-003	210	007	000	11	-	-	-	-	-	-	-	-
405	MIDDLE ROAD	021-005-D	210	011	000	4.35	-	-	-	-	-	-	-	-
456	MIDDLE ROAD	021-004	210	008	000	45.6	-	-	-	-	-	-	-	-
468	MIDDLE ROAD	021-007	210	009	000	15.14	-	-	-	-	-	-	-	-
	MIDDLE ROAD	021-005	210	010	000	54.65	-	-	-	-	-	-	-	-
632	SOUTH SHORE ROAD	021-005-C	209	014	000	2	-	-	-	-	-	-	-	-
638	SOUTH SHORE ROAD	021-005-A	209	015	000	2	-	-	-	-	-	-	-	-
658	SOUTH SHORE ROAD	021-005-B	209	016	000	3.75	-	-	-	-	-	-	-	-
662	SOUTH SHORE ROAD	021-006	209	017	000	0.75	-	-	-	-	-	-	-	-
701	NORTH SHORE ROAD	021-008	206	003	000	4.87	-	-	-	-	-	-	-	-
707	NORTH SHORE ROAD	021-009	206	002	000	77.87	-	-	-	-	-	-	-	-
709	NORTH SHORE ROAD	021-009-A	206	001	000	2.13	-	-	-	-	-	-	-	-
723	NORTH SHORE ROAD	021-008-A	207	003	000	2.33	1	480	1	-	N	44.172197	-68.833214	-
731	NORTH SHORE ROAD	021-007-A	207	002	000	4.06	-	-	-	-	-	-	-	-
747	NORTH SHORE ROAD	021-007-B	207	001	000	2	-	-	-	-	-	-	-	-
753	NORTH SHORE ROAD	021-007-C	209	018	000	3.06	-	-	-	-	-	-	-	-
658	SOUTH SHORE ROAD	021-005-B	209	016	000	3.75	-	-	-	-	-	-	-	-
13	BARCLAY ROAD	022-005	207	015	000	1.03	-	-	-	-	-	-	-	-
13	EASTERN BAY ROAD	022-002-D	207	019	000	95.67	-	-	-	-	-	-	-	-
130	OAK HILL ROAD	022-012	207	005	000	6.93	1	-	-	-	N	44.179149	-68.826169	1992
130	OAK HILL ROAD	022-012	207	005	000	6.93	2	-	-	-	N	44.179448	-68.825985	1992
202	OAK HILL ROAD	022-009	207	004	000	8.6	1	480	0.3	-	N	44.180290	-68.820280	-
202	OAK HILL ROAD	022-009	207	004	000	8.6	2	-	-	-	Y	44.179860	-68.819781	1972
202	OAK HILL ROAD	022-009	207	004	000	8.6	3	-	-	-	Y	44.179858	-68.819949	1980
21	BARCLAY ROAD	022-006-1	207	013	000	0.13	-	-	-	-	-	-	-	-
21	BARCLAY ROAD	022-006	207	014	000	1.37	-	-	-	-	-	-	-	-
210	OAK HILL ROAD	022-010	203	004	000	8.7	1	360	-	-	N	44.180667	-68.820254	1970
31	BAYVIEW ROAD	022-011	203	003	000	7	1	340	-	-	N	44.181885	-68.824200	1992
33	BARCLAY ROAD	022-007	207	012	000	1.75	1	185	3	-	N	44.173990	-68.823650	-
645	SOUTH SHORE ROAD	022-001-A	209	023	000	4	-	-	-	-	-	-	-	-
665	SOUTH SHORE ROAD	022-001	209	022	000	8	-	-	-	-	-	-	-	-
720	NORTH SHORE ROAD	022-002-A	207	007	000	14.05	1	-	-	-	N	44.171653	-68.831474	-
744	NORTH SHORE ROAD	022-002-C	207	008	000	4.8	-	-	-	-	-	-	-	-
75	EASTERN BAY ROAD	022-003	207	017	000	1.5	-	-	-	-	-	-	-	-
	BARCLAY ROAD	022-008-A	207	010	000		-	-	-	-	-	-	-	-

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2022 Maine Drinking Water Program- Capacity Development Grant
Town of North Haven
16 Town Office Square
North Haven, Maine

NUMBER	ADDRESS	OLD PARCEL ID (TAX MAP- LOT)	NEW PARCEL ID			AREA (ACRES)	NUMBER OF WELLS ON	WELL DEPTH (FEET)	WELL YIELD (GPM)	WELL CASING	SALT IMPACT (Y/N)	LATITUDE	LONGITUDE	DATE WELL DRILLED
	STREET NAME		TAX MAP	LOT	SUBLOT									
	BARCLAY ROAD	022-002	207	009	000	5.05	-	-	-	-	-	-	-	-
	BARCLAY ROAD	022-008	207	011	000	6.6	1	-	-	-	-	44.173776	-137.739704	-
	EASTERN BAY ROAD	022-004	207	016	000	1.25	1	-	-	-	-	44.169071	-68.823513	-
	EASTERN BAY ROAD	022-004-A	207	018	000	0.2	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD	022-002-B	207	006	000	0.46	-	-	-	-	-	-	-	-
14	THOMAS ROAD	023-018	225	016	000	5.05	-	-	-	-	-	-	-	-
148	WEST DISTRICT ROAD	023-025	225	030	000	19.5	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-023	225	034	000	15	-	-	-	-	-	-	-	-
19	CROCKER'S LANE	023-015	225	012	000	0.25	-	-	-	-	-	-	-	-
20	BARTLETT'S HARBOR ROAD	023-008	225	006	000	0.5	1	-	-	-	N	44.139960	-68.915785	-
	THOMAS ROAD	023-021-B	225	019	000		-	-	-	-	-	-	-	-
24	CROCKER'S LANE	023-017	225	011	000	1.7	-	-	-	-	-	-	-	-
25	BARTLETT'S HARBOR ROAD	023-010-B	225	024	000	4.85	-	-	-	-	-	-	-	-
26	BARTLETT'S HARBOR ROAD	023-009	225	007	000	0.25	-	-	-	-	-	-	-	-
92	WEST DISTRICT ROAD	023-022	225	025	000	8.3	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-006	225	035	000	10	-	-	-	-	-	-	-	-
51	WEST DISTRICT ROAD	023-006-A	225	036	000	45	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-005	225	005	000	3.6	-	-	-	-	-	-	-	-
32	THOMAS ROAD	023-019	225	017	000	7.9	1	130	9.5	-	-	44.139170	-68.921670	-
33	THOMAS ROAD	023-020	225	018	000	1.9	-	-	-	-	-	-	-	-
	THOMAS ROAD	023-021	225	021	000	21.94	-	-	-	-	-	-	-	-
37	BARTLETT'S HARBOR ROAD	023-010-A	225	023	000	2.7	-	-	-	-	-	-	-	-
423	CRABTREE POINT ROAD	023-003	225	037	000	4.19	-	-	-	-	-	-	-	-
43	BARTLETT'S HARBOR ROAD	023-010	225	022	000	2.55	-	-	-	-	-	-	-	-
44	BARTLETT'S HARBOR ROAD	023-011	225	008	000	2	-	-	-	-	-	-	-	-
477	CRABTREE POINT ROAD	023-001	227	018	000	33.7	-	-	-	-	-	-	-	-
9	CROCKER'S LANE	023-004	225	009	000	3.5	-	-	-	-	-	-	-	-
	CRABTREE POINT ROAD	023-028	225	045	000	38.6	-	-	-	-	-	-	-	-
	CROCKER'S LANE	023-012	225	015	000	0.12	-	-	-	-	-	-	-	-
	CROCKER'S LANE	023-014	225	014	000	0.06	-	-	-	-	-	-	-	-
	CROCKER'S LANE	023-016	225	010	000	2.7	-	-	-	-	-	-	-	-
	CROCKER'S LANE	023-015-A	225	013	000	0.18	-	-	-	-	-	-	-	-
	THOMAS ROAD	023-021	225	021	000	21.94	-	-	-	-	-	-	-	-
	THOMAS ROAD	023-021-A	225	020	000	2.06	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-024	225	026	000	16	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-026	225	032	000	1.75	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-027	225	031	000	32	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-023-A	225	033	000	3.5	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-024-A	225	027	000	6.9	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD	023-024-A-1	225	028	000	6.9	-	-	-	-	-	-	-	-

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Town of North Haven
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	STREET NAME			TAX MAP	LOT	SUBLOT									
34	DEACON BROWN'S POINT		024-007	213	003	000	6.5	-	-	-	-	-	-	-	-
37	DEACON BROWN'S POINT		024-009	213	005	000	1.5	1	-	-	-	-	44.150663	-68.907236	-
58	DEACON BROWN'S POINT		024-008	213	004	000	15.88	-	-	-	-	-	-	-	-
6	DEACON BROWN'S POINT		024-006	213	001	000	27	-	-	-	-	-	-	-	-
	CABOTVILLE ROAD		024-003	214	005	000	190	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD		024-002	225	047	000	0.5	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD		024-001	224	007	000	15.58	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD		024-004	213	006	000	2.96	-	-	-	-	-	-	-	-
	WEST DISTRICT ROAD		024-005	225	046	000	38	-	-	-	-	-	-	-	-
1	SKY FARM ROAD		025-019	212	006	000	1	-	-	-	-	-	-	-	-
	SKY FARM ROAD		025-024-B	212	003	000	10.1	-	-	-	-	-	-	-	-
227	PULPIT HARBOR ROAD		025-006	215	027	000	1.1	-	-	-	-	-	-	-	-
253	PULPIT HARBOR ROAD		025-016-A	215	024	000	2.7	-	-	-	-	-	-	-	-
255	PULPIT HARBOR ROAD		025-010	215	023	000	0.75	-	-	-	-	-	-	-	-
259	PULPIT HARBOR ROAD		025-016-B	215	022	000	3.37	-	-	-	-	-	-	-	-
269	PULPIT HARBOR ROAD		025-011	215	021	000	0.5	-	-	-	-	-	-	-	-
281	PULPIT HARBOR ROAD		025-014	215	020	000	0.28	-	-	-	-	-	-	-	-
284	PULPIT HARBOR ROAD		025-015	214	016	000	3.4	1	-	-	-	-	44.156684	-68.879590	-
30	OSPREY ROAD		025-026	212	005	000	25.47	-	-	-	-	-	-	-	-
302	PULPIT HARBOR ROAD		025-017	214	017	000	0.83	1	-	-	-	-	44.158046	-68.880280	-
309	PULPIT HARBOR ROAD		025-018	212	007	000	0.8	-	-	-	-	-	-	-	-
340	PULPIT HARBOR ROAD		025-020	214	018	000	5.8	-	-	-	-	-	-	-	-
35	NORTH SHORE ROAD		025-003	211	027	000	1.5	1	-	-	-	-	44.159422	-68.872734	-
358	PULPIT HARBOR ROAD		025-020-A	214	019	000	3	1	-	-	-	-	44.156469	-68.883492	-
380	PULPIT HARBOR ROAD		025-024	214	021	000	12.7	-	-	-	-	-	-	-	-
388	PULPIT HARBOR ROAD		025-023	214	022	000	1	-	-	-	-	-	-	-	-
391	PULPIT HARBOR ROAD		025-022	214	025	000	0.83	-	-	-	-	-	-	-	-
397	PULPIT HARBOR ROAD		025-024-C	214	024	000	10.34	1	-	-	-	-	44.158376	-68.884106	-
50	NORTH SHORE ROAD		025-027-A	211	004	000	5	1	-	-	-	-	44.160451	-68.874088	-
54	OSPREY ROAD		025-026-A	211	001	000	18.03	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		025-001	211	026	000	2.03	1	-	-	-	N	-	-	-
80	OSPREY ROAD		025-027	211	002	000	64	-	-	-	-	-	-	-	-
88	SKY FARM ROAD		025-025	212	004	000	46.5	1	105	3	-	-	44.160560	-68.882220	-
9	NORTH SHORE ROAD		025-005	215	026	000	0.5	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		025-004	211	003	000	1.76	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-016-D	215	025	000	7.64	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-012	215	018	000	0.1	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-013	215	019	000	0.15	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-007	215	015	000	1	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-024-A	214	020	000		-	-	-	-	-	-	-	-

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	STREET NAME			TAX MAP	LOT	SUBLOT									
	PULPIT HARBOR ROAD		025-009	215	017	000	0.03	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-016-D	215	025	000	7.64	-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-024-C-1	212	002	000		-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-024-C-3	212	001	000		-	-	-	-	-	-	-	-
	PULPIT HARBOR ROAD		025-016	214	027	000	13.79	-	-	-	-	-	-	-	-
122	RIDGE ROAD		026-005-E	211	018	000	3.5	1	-	-	-	-	44.162268	-68.864775	-
134	RIDGE ROAD		026-005-C	211	019	000	4.25	1	-	-	-	-	44.161309	-68.864513	-
16	RIDGE ROAD		026-005-D	211	016	000	2.45	1	-	-	-	-	44.166947	-68.867603	-
162	NORTH SHORE ROAD		026-004	211	008	000	21.2	1	-	-	-	-	44.167750	-68.869726	-
180	NORTH SHORE ROAD		026-004-A	211	009	000	19.4	1	-	-	-	-	44.169118	-68.869221	-
197	NORTH SHORE ROAD		026-006	211	015	000	23.02	-	-	-	-	-	-	-	-
233	NORTH SHORE ROAD		026-010-A	211	012	000	6.5	1	420	0.5	-	-	44.167700	-68.861520	-
246	NORTH SHORE ROAD		026-011-A	205	001	000	15.7	1	300	0.3	-	-	44.169950	-68.862680	-
250	NORTH SHORE ROAD		026-011-B	205	002	000	4.3	-	-	-	-	-	-	-	-
273	NORTH SHORE ROAD		026-013	205	010	000	31.95	1	60	10	-	N	44.171782	-68.861906	-
30	RIDGE ROAD		026-005	211	017	000	6.39	-	-	-	-	-	-	-	-
346	NORTH SHORE ROAD		026-015	205	006	000	20	1	425	2	20	-	44.172881	-68.863174	-
35	DUMP ROAD		026-007	211	014	000	16.32	-	-	-	-	-	-	-	-
89	RIDGE ROAD		026-005-A	211	021	000	10.5	1	325	1	20	-	44.160858	-68.867953	-
	NORTH SHORE ROAD		026-001	211	006	000	19.72	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-002	211	024	000	5.2	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-003	211	023	000		1	320	1	-	-	44.167510	-68.868890	-
	NORTH SHORE ROAD		026-009	211	013	000	2.68	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-010	211	011	000	106.7	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-011	211	010	000	10.58	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-012	205	003	000	4.5	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-014	205	005	000	8.8	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-013-A	205	009	000	2.05	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-002-A	211	025	000	8.1	-	-	-	-	-	-	-	-
	RIDGE ROAD		026-002-B	211	022	000	11.3	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		026-002-C	211	005	000	9.22	1	114	10	-	-	44.164440	-68.871110	-
	NORTH SHORE ROAD		026-004-B	211	007	000	5.4	-	-	-	-	-	-	-	-
	RIDGE ROAD		026-005-B	211	020	000	10.75	-	-	-	-	-	-	-	-
364	NORTH SHORE ROAD		027-001	205	007	000	7	-	-	-	-	-	44.175143	-68.859448	-
369	NORTH SHORE ROAD		027-003	206	012	000	41.7	1	-	-	-	-	44.175800	-68.855932	-
370	NORTH SHORE ROAD		027-002	205	008	000	5.82	1	325	5	20	-	44.177982	-68.855787	-
406	NORTH SHORE ROAD		027-005	206	015	000	9.79	1	325	4	20	N	44.178137	-68.852962	-
409	NORTH SHORE ROAD		027-004-A	206	010	000	14.5	1	-	-	-	-	44.177278	-68.851972	-
419	NORTH SHORE ROAD		027-007	206	009	000	23	-	-	-	-	-	-	-	-
453	NORTH SHORE ROAD		027-008-A	206	008	000	2.2	1	320	2	20	-	44.178745	-68.849027	1993

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	STREET NAME			TAX MAP	LOT	SUBLOT									
457	NORTH SHORE ROAD		027-008	206	007	000	35.5	1	-	-	-	-	44.178365	-68.848870	-
479	NORTH SHORE ROAD		027-011	206	006	000	49	1	147	5.5	-	-	44.179720	-68.846390	-
480	NORTH SHORE ROAD		027-010	204	001	000	5.8	-	-	-	-	-	-	-	-
607	NORTH SHORE ROAD		027-013	206	004	000	51	1	200	5	-	-	44.177780	-68.837500	-
	NORTH SHORE ROAD		027-006	206	016	000	12	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		027-004	206	011	000	13.4	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		027-005-A	206	014	000	3.01	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		027-009	206	017	000	13.05	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		027-012	206	005	000	46.8	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		027-010-A	204	002	000	6.2	-	-	-	-	-	-	-	-
	NORTH SHORE ROAD		027-002-A	206	013	000	3.22	-	-	-	-	-	-	-	-
18	OAK HILL ROAD		028-002	206	018	000	5.25	1	240	-	-	N	44.179743	-68.836663	1972
320	OAK HILL ROAD		028-005	203	001	000	8.5	1	380	-	-	N	44.184899	-68.832158	1968
320	OAK HILL ROAD		028-005	203	001	000	8.5	2	380	-	-	N	44.184869	-68.832170	1991
320	OAK HILL ROAD		028-005	203	001	000	8.5	3	330	-	-	N	44.183945	-68.832655	1989
57	OAK HILL ROAD		028-006	206	019	000	20	1	110	40	-	-	44.178610	-68.835000	-
57	OAK HILL ROAD		028-006	206	019	000	20	2	300	-	-	N	44.178237	-68.834269	1963
57	OAK HILL ROAD		028-006	206	019	000	20	3	300	-	-	N	44.178255	-68.834276	-
63	BAYVIEW ROAD		028-004	203	002	000	9	1	320	-	-	N	44.184726	-68.826663	1970
	OAK HILL ROAD		028-003	206	020	000	242.05	1	405	-	-	N	44.179080	-68.822695	2012
	OAK HILL ROAD		028-003	206	020	000	242.05	2	420	-	-	N	44.184720	-68.827780	1982
0	BURNT/SCALLOP ISLAND		029-002	203	005	000	16	-	-	-	-	-	-	-	-
	OAK ISLAND		029-001	201	001	000	15	-	-	-	-	-	-	-	-
1	BOATYARD ROAD		030-093	105	086	000	0.81	-	-	-	-	-	-	-	-
10	GOLF COURSE ROAD		030-075	106	003	000	0.15	-	-	-	-	-	-	-	-
10	IRON POINT ROAD		030-059	105	058	000	0.14	-	-	-	-	-	-	-	-
10	MULLIN'S LANE		030-020	105	041	000	0.07	-	-	-	-	-	-	-	-
102	MAIN STREET		030-006	105	108	000	0.31	-	-	-	-	-	-	-	-
104	MAIN STREET		030-007	105	109	000	0.18	-	-	-	-	-	-	-	-
108	IRON POINT ROAD		030-076	106	004	000	0.29	-	-	-	-	-	-	-	-
11	IRON POINT ROAD		030-089	105	082	000	0.07	-	-	-	-	-	-	-	-
11	MILLS STREET		030-042	105	032	000	0.1	-	-	-	-	-	-	-	-
11	MULLINS LANE		030-031	105	038	000	0.31	-	-	-	-	-	-	-	-
11	SEASIDE LANE		030-086	105	079	000	0.73	-	-	-	-	-	-	-	-
11	SMITH STREET		030-055	105	027	000	0.19	-	-	-	-	-	-	-	-
119	MAIN STREET		030-012	105	008	000	0.55	-	-	-	-	-	-	-	-
12	MAIN STREET		030-094	105	087	000	0.31	-	-	-	-	-	-	-	-
12	MILLS STREET		030-037	105	034	000	0.16	-	-	-	-	-	-	-	-
12	MULLINS LANE		030-021	105	042	000	0.39	-	-	-	-	-	-	-	-
12	TENNIS COURT ROAD		030-008	105	110	000	3.67	-	-	-	-	-	-	-	-

TABLE 1: Private Water Supply Well Survey
2022 Maine Drinking Water Program- Capacity Development Grant
Town of North Haven
16 Town Office Square
North Haven, Maine

NUMBER	ADDRESS	OLD PARCEL ID (TAX MAP- LOT)	NEW PARCEL ID			AREA (ACRES)	NUMBER OF WELLS ON	WELL DEPTH (FEET)	WELL YIELD (GPM)	WELL CASING	SALT IMPACT (Y/N)	LATITUDE	LONGITUDE	DATE WELL DRILLED
	STREET NAME		TAX MAP	LOT	SUBLOT									
125	MAIN STREET	030-011	105	007	000	0.35	-	-	-	-	-	-	-	-
13	FERRY LANDING ROAD	030-001-A	105	102	000	0.25	-	-	-	-	-	-	-	-
13	SMITH STREET	030-056	105	026	000	0.22	-	-	-	-	-	-	-	-
13	WATERMAN LANE	030-108	105	075	000		-	-	-	-	-	-	-	-
131	MAIN STREET	030-010	105	006	000	0.73	-	-	-	-	-	-	-	-
14	SMITH STREET	030-047	105	029	000	0.56	-	-	-	-	-	-	-	-
15	MILLS STREET	030-041	105	031	000	0.12	-	-	-	-	-	-	-	-
15	MULLINS LANE	030-048	105	037	000	0.27	-	-	-	-	-	-	-	-
16	IRON POINT ROAD	030-060	105	059	000	0.49	-	-	-	-	-	-	-	-
16	MILLS STREET	030-038	105	035	000	0.13	-	-	-	-	-	-	-	-
17	FERRY LANDING ROAD	030-001	105	103	000	1.7	1	119	10	-	-	44.127780	-68.876110	-
17	IRON POINT ROAD	030-088	105	081	000	0.21	-	-	-	-	-	-	-	-
17	MAIN STREET	030-044	105	055	000	0.31	-	-	-	-	-	-	-	-
17	SMITH STREET	030-054	105	025	000	0.34	-	-	-	-	-	-	-	-
	MAIN STREET	030-096	105	088	000	0.24	-	-	-	-	-	-	-	-
18	MILLS STREET	030-039	105	036	000	0.14	-	-	-	-	-	-	-	-
18	MULLINS LANE	030-022	105	043	000	0.65	-	-	-	-	-	-	-	-
105	MAIN STREET	030-013	105	009	000	0.19	-	-	-	-	-	-	-	-
19	MILLS STREET	030-040	105	030	000	0.56	-	-	-	-	-	-	-	-
2	IRON POINT ROAD	030-058	105	057	000	0.24	-	-	-	-	-	-	-	-
22	MAIN STREET	030-097	105	090	000	0.09	-	-	-	-	-	-	-	-
22	TENNIS COURT ROAD	030-009	105	111	000	1	-	-	-	-	-	-	-	-
23	SMITH STREET	030-053	105	024	000	0.34	-	-	-	-	-	-	-	-
25	CHURCH STREET	030-025	105	010	000	0.2	-	-	-	-	-	-	-	-
25	MAIN STREET	030-043	105	054	000	0.17	-	-	-	-	-	-	-	-
25	MULLINS LANE	030-030	105	016	000	0.49	-	-	-	-	-	-	-	-
25	SLEEPYVILLE ROAD	030-068	105	069	000	0.3	-	-	-	-	-	-	-	-
26	CHURCH ST. (THE PILL BO	030-023	105	044	000	0.18	-	-	-	-	-	-	-	-
26	MAIN STREET	030-098	105	091	000	0.53	-	-	-	-	-	-	-	-
26	SLEEPYVILLE ROAD	030-062	105	062	000	0.27	-	-	-	-	-	-	-	-
27	MAIN STREET	030-035	105	053	000	0.04	-	-	-	-	-	-	-	-
27	SLEEPYVILLE ROAD	030-067	105	068	000	0.14	-	-	-	-	-	-	-	-
27	SMITH STREET	030-052-2	105	023	000	0.65	-	-	-	-	-	-	-	-
28	SLEEPYVILLE ROAD	030-063	105	063	000	0.12	-	-	-	-	-	-	-	-
29	MAIN STREET	030-034	105	052	000	0.16	-	-	-	-	-	-	-	-
29	SLEEPYVILLE ROAD	030-066	105	067	000	0.24	-	-	-	-	-	-	-	-
3	WATERMAN LANE	030-084	105	077	000	0.35	-	-	-	-	-	-	-	-
30	CHURCH STREET	030-024	105	045	000	0.14	-	-	-	-	-	-	-	-
30	MAIN STREET	030-099	105	092	000	0.04	-	-	-	-	-	-	-	-
31	MULLIN'S LANE	030-029	105	015	000	0.24	-	-	-	-	-	-	-	-

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2022 Maine Drinking Water Program- Capacity Development Grant
Town of North Haven
16 Town Office Square
North Haven, Maine

NUMBER	ADDRESS	OLD PARCEL ID (TAX MAP- LOT)	NEW PARCEL ID			AREA (ACRES)	NUMBER OF WELLS ON	WELL DEPTH (FEET)	WELL YIELD (GPM)	WELL CASING	SALT IMPACT (Y/N)	LATITUDE	LONGITUDE	DATE WELL DRILLED
	STREET NAME		TAX MAP	LOT	SUBLOT									
31	SLEEPYVILLE ROAD	030-066-A	105	066	000	0.18	-	-	-	-	-	-	-	-
32	SLEEPYVILLE ROAD	030-064	105	064	000	0.3	-	-	-	-	-	-	-	-
33	MAIN STREET	030-033	105	051	000	0.13	-	-	-	-	-	-	-	-
33	SMITH STREET	030-052-1	105	022	000	1.1	-	-	-	-	-	-	-	-
34	MAIN STREET	030-100	105	093	000	0.08	-	-	-	-	-	-	-	-
35	IRON POINT ROAD	030-085	105	078	000	2.84	-	-	-	-	-	-	-	-
35	MULLINS LANE	030-028	105	014	000	0.74	-	-	-	-	-	-	-	-
39	SMITH STREET	030-052-4	105	021	000	1.2	1	100	15	-	-	44.146670	-68.820830	-
40	MAIN STREET	030-101	105	095	000	0.04	-	-	-	-	-	-	-	-
	SMITH STREET	030-052-3	102	054	000	1.5	-	-	-	-	-	-	-	-
42	MAIN STREET	030-102	105	094	000	0.11	-	-	-	-	-	-	-	-
43	MAIN STREET	030-018	105	050	000	0.11	-	-	-	-	-	-	-	-
44	MAIN STREET	030-103	105	096	000	0	-	-	-	-	-	-	-	-
42	MAIN STREET	030-102	105	094	000	0.11	-	-	-	-	-	-	-	-
48	MAIN STREET	030-104	105	097	000	0.09	-	-	-	-	-	-	-	-
49	MAIN STREET	030-017	105	049	000	0.79	-	-	-	-	-	-	-	-
5	BOATYARD ROAD	030-092	105	083	000	0.05	-	-	-	-	-	-	-	-
5	CHURCH STREET	030-051	105	019	000	0.55	-	-	-	-	-	-	-	-
55	MAIN STREET	030-016	105	048	000	0.37	-	-	-	-	-	-	-	-
6	MULLINS LANE	030-019	105	040	000	0.06	-	-	-	-	-	-	-	-
6	WATERMAN LANE	030-082	105	074	000	0.6	-	-	-	-	-	-	-	-
66	IRON POINT ROAD	030-061	105	061	000	0.4	-	-	-	-	-	-	-	-
7	CHURCH STREET	030-049	105	018	000	0.3	-	-	-	-	-	-	-	-
7	IRON POINT ROAD	030-091	105	085	000	0.05	-	-	-	-	-	-	-	-
7	MULLINS LANE	030-032	105	039	000	0.26	-	-	-	-	-	-	-	-
7	SEASIDE LANE	030-087	105	080	000	0.27	-	-	-	-	-	-	-	-
7	SMITH STREET	030-057	105	028	000	0.67	-	-	-	-	-	-	-	-
70	MAIN STREET	030-002	105	104	000	0.85	-	-	-	-	-	-	-	-
71	IRON POINT ROAD	030-081	105	073	000	0.41	-	-	-	-	-	-	-	-
75	MAIN STREET	030-015	105	047	000	0.33	-	-	-	-	-	-	-	-
76	IRON POINT ROAD	030-070	105	070	000	0.29	-	-	-	-	-	-	-	-
8	MILLS STREET	030-036	105	033	000	0.13	-	-	-	-	-	-	-	-
8	SMITH STREET	030-046	105	056	000	0.57	-	-	-	-	-	-	-	-
82	IRON POINT ROAD	030-071	105	071	000	0.14	-	-	-	-	-	-	-	-
82	MAIN STREET	030-003	105	105	000	0.45	-	-	-	-	-	-	-	-
83	IRON POINT ROAD	030-079	106	013	000	0.2	-	-	-	-	-	-	-	-
84	IRON POINT ROAD	030-072	105	072	000	0.13	-	-	-	-	-	-	-	-
88	MAIN STREET	030-004	105	106	000	0.15	-	-	-	-	-	-	-	-
9	CHURCH STREET	030-050	105	017	000	0.48	-	-	-	-	-	-	-	-
9	WATERMAN LANE	030-083	105	076	000		-	-	-	-	-	-	-	-

TABLE 1: Private Water Supply Well Survey
2022 Maine Drinking Water Program- Capacity Development Grant
Town of North Haven
16 Town Office Square
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NUMBER	ADDRESS		OLD PARCEL ID	NEW PARCEL ID			AREA (ACRES)	NUMBER OF WELLS ON	WELL DEPTH (FEET)	WELL YIELD (GPM)	WELL CASING	SALT IMPACT (Y/N)	LATITUDE	LONGITUDE	DATE WELL DRILLED
	STREET NAME	(TAX MAP- LOT)	TAX MAP	LOT	SUBLOT										
92	IRON POINT ROAD		030-073	106	001	000	0.29	-	-	-	-	-	-	-	-
92	MAIN STREET		030-005	105	107	000	0.15	-	-	-	-	-	-	-	-
93	MAIN STREET		030-014	105	046	000	0.46	-	-	-	-	-	-	-	-
98	IRON POINT ROAD		030-074	106	002	000	0.95	-	-	-	-	-	-	-	-
	CHURCH STREET		030-026	105	011	000	1.3	-	-	-	-	-	-	-	-
	FERRY LANDING ROAD		030-001-B	105	101	000	0.06	-	-	-	-	-	-	-	-
	IRON POINT ROAD		030-077	106	011	000	0.21	-	-	-	-	-	-	-	-
	IRON POINT ROAD		030-078	106	012	000	0.21	-	-	-	-	-	-	-	-
	IRON POINT ROAD		030-080	106	014	000	0.21	-	-	-	-	-	-	-	-
	IRON POINT ROAD		030-090	105	084	000	0.05	-	-	-	-	-	-	-	-
	MAIN STREET		030-095	105	089	000		-	-	-	-	-	-	-	-
	MAIN STREET		030-095	105	089	000		-	-	-	-	-	-	-	-
	MAIN STREET		030-105	105	098	000	0.06	-	-	-	-	-	-	-	-
	MAIN STREET		030-106	105	099	000	0.17	-	-	-	-	-	-	-	-
	MULLIN'S LANE		030-027	105	012	000	0.24	-	-	-	-	-	-	-	-
	SLEEPYVILLE ROAD		030-065	105	065	000	0.04	-	-	-	-	-	-	-	-
	SMITH STREET		030-052	105	020	000	1.14	-	-	-	-	-	-	-	-
143	MAIN STREET		031-056	105	004	000	0.15	-	-	-	-	-	-	-	-
147	MAIN STREET		031-055	105	003	000	0.09	-	-	-	-	-	-	-	-
153	MAIN STREET		031-054	105	002	000	0.31	-	-	-	-	-	-	-	-
16	TOWN OFFICE SQUARE		031-053	105	001	000	0.45	-	-	-	-	-	-	-	-
160	MAIN STREET		031-014	105	125	000	0.28	-	-	-	-	-	-	-	-
161	MAIN STREET		031-052	102	048	000	0.34	-	-	-	-	-	-	-	-
164	MAIN STREET		031-015	102	002	000	0.39	-	-	-	-	-	-	-	-
165	MAIN STREET		031-051	102	047	000	0.09	-	-	-	-	-	-	-	-
166	MAIN STREET		031-016	102	003	000	0.37	-	-	-	-	-	-	-	-
173	MAIN STREET		031-050	102	046	000	0.08	-	-	-	-	-	-	-	-
174	MAIN STREET		031-017	102	004	000	0.33	-	-	-	-	-	-	-	-
179	MAIN STREET		031-048	102	045	000	0.04	-	-	-	-	-	-	-	-
18	DOLE ROAD		031-012	105	117	000	2.8	-	-	-	-	-	-	-	-
180	MAIN STREET		031-018	102	005	000	0.16	-	-	-	-	-	-	-	-
183	MAIN STREET		031-047	102	044	000	0.15	-	-	-	-	-	-	-	-
186	MAIN STREET		031-019	102	006	000	0.16	-	-	-	-	-	-	-	-
193	MAIN STREET		031-045	102	042	000	0.22	-	-	-	-	-	-	-	-
194	MAIN STREET		031-020	102	007	000	0.22	-	-	-	-	-	-	-	-
86	TENNIS COURT ROAD		031-004	105	113	000	1.8	-	-	-	-	-	-	-	-
20	AMES POINT ROAD		031-012-A-2	102	009	000	1.25	1	200	2	-	-	44.132430	-68.877740	-
203	MAIN STREET		031-043	102	040	000	0.16	-	-	-	-	-	-	-	-
135	MAIN STREET		031-057	105	005	000	1.45	-	-	-	-	-	-	-	-
212	MAIN STREET		031-023	102	015	000	0.27	-	-	-	-	-	-	-	-

TABLE 1: Private Water Supply Well Survey
2022 Maine Drinking Water Program- Capacity Development Grant
Town of North Haven
16 Town Office Square
North Haven, Maine

NUMBER	ADDRESS	OLD PARCEL ID (TAX MAP- LOT)	NEW PARCEL ID			AREA (ACRES)	NUMBER OF WELLS ON	WELL DEPTH (FEET)	WELL YIELD (GPM)	WELL CASING	SALT IMPACT (Y/N)	LATITUDE	LONGITUDE	DATE WELL DRILLED
	STREET NAME		TAX MAP	LOT	SUBLOT									
219	MAIN STREET	031-041	102	038	000	0.26	-	-	-	-	-	-	-	-
224	MAIN STREET	031-024	102	016	000	0.32	-	-	-	-	-	-	-	-
233	JACKSON COVE ROAD	031-012-B-2	102	013	000	1.8	-	-	-	-	-	-	-	-
234	MAIN STREET	031-025	102	017	000	0.51	-	-	-	-	-	-	-	-
237	MAIN STREET	031-029	102	034	000	0.28	-	-	-	-	-	-	-	-
245	MAIN STREET	031-028	102	033	000	0.15	-	-	-	-	-	-	-	-
248	MAIN STREET	031-026	102	018	000	1.61	-	-	-	-	-	-	-	-
258	MAIN STREET	031-027	102	019	000	0.53	-	-	-	-	-	-	-	-
31	TENNIS COURT ROAD	031-001	105	115	000	5.53	1	-	-	-	-	44.129815	-68.876601	-
32	DOLE ROAD	031-012-C	105	118	000	1.2	-	-	-	-	-	-	-	-
40	DOLE ROAD	031-006	105	119	000	0.69	-	-	-	-	-	-	-	-
44	DOLE ROAD	031-007	105	120	000	0.4	-	-	-	-	-	-	-	-
45	MULLINS LANE	031-038	105	013	000	1.6	-	-	-	-	-	-	-	-
46	DOLE ROAD	031-009	105	121	000	0.4	-	-	-	-	-	-	-	-
49	DOLE ROAD	031-012-A-4	102	001	000	3.6	1	225	5	20	-	44.131480	-68.879122	2002
5	AMES POINT ROAD	031-022	102	014	000	1.89	-	-	-	-	-	-	-	-
5	JACKSON COVE ROAD	031-012-B	102	011	000	9.1	-	-	-	-	-	-	-	-
52	MULLINS LANE	031-039	102	049	000	0.7	-	-	-	-	-	-	-	-
62	AMES POINT ROAD	031-021-A	103	010	000	2.25	1	120	6	-	-	44.133130	-68.880890	-
59	DOLE ROAD	031-008	104	002	000	0.86	-	-	-	-	-	-	-	-
6	LENA'S LANE	031-032	102	035	000	0.22	-	-	-	-	-	-	-	-
60	AMES POINT ROAD	031-021	103	001	000	4.2	1	160	5	20	-	44.132432	-68.881029	1994
65	DOLE ROAD	031-005	104	001	000	1.54	-	-	-	-	-	-	-	-
69	TENNIS COURT ROAD	031-003	105	112	000	1	-	-	-	-	-	-	-	-
70	SMITH STREET	031-058	102	052	000	3.7	1	145	5	-	N	44.132356	-68.873783	-
8	LENA'S LANE	031-030	102	036	000	0.34	-	-	-	-	-	-	-	-
86	TENNIS COURT ROAD	031-004	105	113	000	1.8	-	-	-	-	-	-	-	-
9	DOLE ROAD	031-013	105	124	000	0.47	-	-	-	-	-	-	-	-
	AMES POINT ROAD	031-012-A-3	102	008	000	0.9	-	-	-	-	-	-	-	-
	DOLE ROAD	031-012-A	105	123	000	7.1	-	-	-	-	-	-	-	-
	LENA'S LANE	031-033	102	037	000	0.13	-	-	-	-	-	-	-	-
	MULLIN'S LANE	031-049	102	050	000	0.33	-	-	-	-	-	-	-	-
	MULLINS LANE	031-036	102	051	000	0.88	-	-	-	-	-	-	-	-
	TENNIS COURT ROAD	031-002	105	114	000	1.75	-	-	-	-	-	-	-	-
251	MAIN STREET	032-023	102	032	000	0.53	-	-	-	-	-	-	-	-
280	MAIN STREET	032-001-A	102	021	000	0.7	-	-	-	-	-	-	-	-
287	MAIN STREET	032-022	102	031	000	1.71	-	-	-	-	-	-	-	-
289	MAIN STREET	032-020	102	030	000	8.04	-	-	-	-	-	-	-	-
291	MAIN STREET	032-019	102	029	000	0.53	-	-	-	-	-	-	-	-
300	JACKSON COVE ROAD	032-007	102	012	000	6.78	-	-	-	-	-	-	-	-

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	STREET NAME	(TAX MAP- LOT)	TAX MAP	LOT	SUBLOT										
302	MAIN STREET		032-002	102	022	000	1.57	-	-	-	-	-	-	-	-
305	MAIN STREET		032-018	102	028	000	1.25	-	-	-	-	-	-	-	-
312	MAIN STREET		032-002-A	102	023	000	1.33	-	-	-	-	-	-	-	-
317	MAIN STREET		032-017	102	027	000	2.3	-	-	-	-	-	-	-	-
318	MAIN STREET		032-003	102	024	000	0.73	-	-	-	-	-	-	-	-
324	MAIN STREET		032-003-1	102	025	000	0.11	-	-	-	-	-	-	-	-
328	MAIN STREET		032-004	102	026	000	0.68	-	-	-	-	-	-	-	-
331	MAIN STREET		032-016	101	020	000	1.38	-	-	-	-	-	-	-	-
336	MAIN STREET		032-005	101	002	000	0.63	-	-	-	-	-	-	-	-
337	MAIN STREET		032-015	101	019	000	0.88	-	-	-	-	-	-	-	-
342	MAIN STREET		032-006	101	003	000	0.28	-	-	-	-	-	-	-	-
343	MAIN STREET		032-014	101	018	000	1.87	-	-	-	-	-	-	-	-
369	MAIN STREET		032-012-A	101	017	000	0.58	-	-	-	-	-	-	-	-
379	MAIN STREET		032-012	101	016	000	0.59	-	-	-	-	-	-	-	-
381	MAIN STREET		032-011	101	015	000	0.48	-	-	-	-	-	-	-	-
393	MAIN STREET		032-010	101	014	000	0.76	-	-	-	-	-	-	-	-
400	JACKSON COVE ROAD		032-008	101	001	000	0.7	-	-	-	-	-	-	-	-
55	SMITH STREET		032-021	102	053	000	0.15	-	-	-	-	-	-	-	-
	MAIN STREET		032-001	102	020	000	2.9	-	-	-	-	-	-	-	-

TABLE 2. AVERAGE PRECIPITATION FOR NORTH HAVEN, MAINE

Time Period	Full Period of Record (45 years)	Past 30 Years	Past 20 Years	Past 10 Years
		<i>Average Precipitation (inches)</i>		
Full Year	56.00	58.93	59.61	57.03
January	4.26	4.19	4.13	4.64
February	3.77	4.22	4.41	4.69
March	4.50	4.45	4.26	3.82
April	5.00	5.09	5.61	5.13
May	4.15	3.99	4.08	3.61
June	4.41	4.79	5.19	4.69
July	3.22	3.31	3.44	3.55
August	3.21	3.31	4.07	3.36
September	4.39	4.73	4.25	3.97
October	6.04	6.73	7.49	7.08
November	5.39	5.27	5.44	5.78
December	5.44	5.96	6.51	6.74

Notes:

1. Data from West Rockport 1 NNW, Maine, NOAA Station ID 170480.
2. Precipitation data from 2023 was omitted due to incomplete record.