

**New Hampshire Fish and Game Department
Nongame and Endangered Wildlife Program
11 Hazen Drive
Concord, New Hampshire 03301**

**NHB23-3522
PHASE I THREATENED AND ENDANGERED WILDLIFE
AND HABITAT ASSESSMENT
Brookline Tax Map D, Lot 50
NH Route 13
Brookline, New Hampshire**

AoT Application # Not Yet Assigned

Date of Report:
February 22, 2024

Prepared for:
Tamposi Brothers Holdings, LLC
PO Box 847
Hollis, New Hampshire 03049
603-305-8998

Prepared by:
Cheryl A. Bentley
Allen-Bentley Consulting
PO Box 269
Salisbury, New Hampshire 03268
603-998-4487

NHB23-3522
PHASE I THREATENED AND ENDANGERED WILDLIFE
AND HABITAT ASSESSMENT
Brookline Tax Map D, Lot 50
NH Route 13
Brookline, New Hampshire

1.0 - INTRODUCTION

On behalf of Tamposi Brothers Holdings, LLC (TBH), Allen-Bentley Consulting (ABC) conducted a Phase I Threatened and Endangered Wildlife and Habitat Assessment at Town of Brookline Tax Map D, Lot 50 (Lot D-50) off NH Route 13 in Brookline, New Hampshire. ABC conducted the site wildlife and habitat assessment in general accordance with the New Hampshire Department of Environmental Services (NHDES) Env. Wq. 1503.19(h)(1) for New Hampshire Fish and Game Department (NHFGD) review.

The findings and conclusions presented herein are not scientific certainties, but rather ABC's professional opinions concerning the available data gathered during ABC's work. This report is subject to the limitations provided in Appendix A.

2.0 - PART 1: SUMMARY AND FINDINGS

Cheryl A. Bentley	NHB23-3522
Allen-Bentley Consulting	Town of Brookline Tax Map D, Lot 50
PO Box 269, Salisbury, NH 03268	NH Route 13, Brookline, NH 03033
cheryl.bentley88@gmail.com	Tamposi Brothers Holdings, LLC
603-998-4487	AoT Application # Not Yet Assigned

2.1 - Proposed Project Summary

The project proposed herein is a mixed-use multi-family residential development which will be serviced by on-site disposal systems and a community water system. The proposed project will be located on the northern portion of one parcel, Lot D-50, with an approximate area of 68 acres and approximately 50 acres of that site project area to be put into protected open space in Brookline, New Hampshire. Topography is hilly throughout the parcel with a rise to the east and a steep slope down to the unnamed stream along the southern border of the site project area. This area of Brookline is sparsely populated with residential single-family homes and few commercial uses.

Table 1: Phase I Threatened & Endangered Wildlife and Habitat Assessment Findings

X	No threatened and endangered wildlife and habitat present, no threatened or endangered wildlife, habitat, or wildlife corridors likely to be impacted by project activities.
	Possible threatened and endangered wildlife and habitat present; HOWEVER, NO threatened or endangered wildlife, habitat, or wildlife corridors likely to be impacted by project activities. No conservation measures are proposed.
	Possible threatened and endangered wildlife and habitat present or wildlife corridors present. Proposed actions have the potential for impacts. Conservation measures incorporated into the proposed project or project design.

2.2 - Threatened & Endangered Wildlife and Habitat Findings Summary

A New Hampshire Natural Heritage Bureau (NH NHB) Datacheck Results Letter attached in Appendix B, (#NHB23-3522), shows that this site is near an area where New Hampshire state-endangered Blanding's turtles (*Emydoidea blandingii*) and eastern hognose snakes (*Heterodon platirhinos*) were observed most recently in 2017 and 2016, respectively, and near where New Hampshire state-threatened spotted turtles (*Clemmys guttata*) were observed most recently in 2017. Additionally, the site property is being evaluated for New Hampshire state-endangered marbled salamanders (*Ambystoma opacum*) due to the proximity of the property to the Massachusetts border where the animal has been historically reported.

During the site reconnaissance ABC did not observe any Blanding's turtles, eastern hognose snakes, spotted turtles, or marbled salamanders in the project area or signs of these species. Additional threatened or endangered species were not observed during the site reconnaissance. ABC does note that January is not a time one would expect to find reptiles and amphibians active in New Hampshire.

2.3 - Proposed Conservation Measures Summary

Due to the proximity of the TBH project to any nearby public waters, best management practices to reduce pollutants and sediment from traveling and discharging into these waters will be applied. Stormwater treatment will be provided with methods, such as grass-lined treatment swales, stone check dams, straw bale barriers, and culverts. Additional erosion control measures include biodegradable blankets, such as North American Green BioNet® SC150BN® for revegetation on slopes in the project area and the use of erosion control berms, such as Filtrexx® Degradable Woven Silt Socks around areas to be protected. Also, local threatened and endangered species will be protected if found on the site property.


NH Route 13, Brookline - Phase I T&E Wildlife & Habitat Assessment - NHB23-3522

NHB23-3522
Town of Brookline Tax Map D, Lot 50
NH Route 13, Brookline, NH 03033
Tamposi Brothers Holdings, LLC
AoT Application # Not Yet Assigned

The following name, date, and signature is of the individual that conducted the Phase I Threatened and Endangered Wildlife and Habitat Assessment. *Note: By signing this document, the qualified wildlife biologist (Env. Wq. 1503.19(h)) is assuming responsibility for the wildlife assessment. Credentials have been previously submitted.*

Cheryl A. Bentley
Name (printed)

February 22, 2024
Date


Signature

Applicable Requested Action

X	Request for NHFG Concurrence with Findings in compliance with Env. Wq. 1503.19(h)(1)a
	Request for NHFG Concurrence with Findings and Proposed Conservation Measures in compliance with Env. Wq. 1503.19(h)(1)b*
	Requests further coordination with NHFG to discuss proposed conservation measures and/or, potential focused survey needs (Phase II)*
	Other:

*New Hampshire Fish and Game's review and recommendations are based on the information provided in this assessment. Changes to project scope may affect NHFG and/or NHDES determination on potential impacts and whether conservation measures and project design modifications proposed are still applicable or sufficient.

3.0 - PART 2: NH NHB DATACHECK RESULTS LETTER, FIGURES, AND SITE PHOTOGRAPHS

3.1 - NH NHB Datacheck Results Letter

A NH NHB Datacheck Results Letter attached in Appendix B, (#NHB23-3522), received by Sarah Bollinger of Fieldstone Land Consultants, PLLC on December 14, 2023, from Environmental Reviewer and Assistant Ecological Information Specialist, Maddie Severance, shows that this site is near an area where New Hampshire state-endangered Blanding's turtles (*Emydoidea blandingii*) and eastern hognose snakes (*Heterodon platirhinos*) were observed most recently in 2017 and 2016, respectively, and near where New Hampshire state-threatened spotted turtles (*Clemmys guttata*) were observed most recently in 2017. Additionally, the site property is being evaluated for New Hampshire state-endangered marbled salamanders (*Ambystoma opacum*) due to the proximity of the property to the Massachusetts border where the animal has been historically reported.

Currently, Blanding's turtle, eastern hognose snake, spotted turtle, or marbled salamander are not Federally listed species under the Endangered Species Act.

During the site reconnaissance ABC did not observe any Blanding's turtles, eastern hognose snakes, spotted turtles, or marbled salamanders in the project area or signs of these species. Additional threatened or endangered species were not observed during the site reconnaissance. ABC does note that January is not a time one would expect to find reptiles and amphibians active in New Hampshire.

3.2 - Figures

Figures included in this report are located in Appendix C. Figures include aerial and topographical figures of the site and surrounding area which were created using GRANIT View and base maps from NH GRANIT at UNH. The site features figure consists of a mixed housing use concept plan created by Fieldstone Land Consultants, PLLC located in Milford, New Hampshire. Also, an existing conditions plan and an overall existing conditions plan, again created by Fieldstone Land Consultants, PLLC, are attached. A conservation parcels figure, land cover figure, LiDAR figure, habitat rankings figure, wildlife corridor data figure and wildlife connectivity figure are attached, also created using GRANIT View. A national flood hazard layer figure, created using the FEMA online website, is included. A wetlands figure was created using the USFWS National Wetlands Inventory (NWI) Wetlands Mapper information in GRANIT View which was updated on October 1, 2023. Additionally, a USDA web soil survey map is included in Appendix C.

3.3 - Site Photographs

Site photographs are included in Appendix D. Photographs were taken during the site reconnaissance completed on January 2, 2024. A photograph location plan is also included in Appendix D.

4.0 - PART 3: DETAILED EVALUATION

4.1 - Proposed Project

The owner of Lot D-50, which in total, consists of approximately 121.7 acres in Brookline, New Hampshire, is proposing a mixed-use multi-family residential development with 40 units of workforce housing in eight, 5-unit buildings and 58 units of housing for older persons in 14, 4-unit buildings and one duplex. The residential development will be serviced by on-site subsurface disposal systems and a community water system. The proposed project will be located on the northern portion of one parcel, Lot D-50, with an approximate area of 68 acres and approximately 50 acres will be put into protected open space in Brookline, New Hampshire.

The proposed project area is hilly throughout the parcel with a rise to the east and a steep slope down to the unnamed stream along the southern border of the site project area. This area of Brookline is sparsely populated with residential single-family homes and few commercial uses.

Existing stormwater runoff appears to flow toward a small wetland area near the center of the parcel and additional stormwater flows toward lower areas on the southern portion of the site toward the unnamed stream. Due to the soils consisting of rocky outcrops and steep slopes, much of the precipitation is expected to flow west and south.

4.2 - Project Site and Surrounding Land Use Description

As noted above, the area of the site parcel is approximately 121.7 acres with 68 acres on the northern portion being used for this proposed project and roughly 36 acres for actual project development which was evaluated for threatened and endangered species. The proposed project is on Lot D-50. Wetlands were identified on the site property and appear to be freshwater forested wetlands which flow toward the southern portion of the site project area toward an unnamed stream on the southern edge of the 36-acre portion. From this unnamed stream, water appears to flow toward the Nissitissit River to the west and south. The site property falls within the Nissitissit River watershed.

The New Hampshire Wildlife Habitat Land Cover databank classifies the site as Hemlock-Hardwood-Pine and Appalachian Oak-Pine with some areas located along the western edges of the site project area classified as Developed or Barren Land. Adjacent sites to the north, south, and east are similarly classified. The area to the west includes an area classified as Peatland across NH Route 13 from the site project area.

Soils on the property are shown on the web soil survey as predominately Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes (96.0%), Canton fine sandy loam, 8 to 15 percent slopes, very stony (2.3%), and Hinckley loamy sand, 3 to 8 percent slopes (1.8%). The web soil survey map is included in Appendix C of this report.

4.3 - Threatened and Endangered Wildlife and Habitat Evaluation

A previously mentioned NH NHB Datacheck Results Letter (#NHB23-3522) identified that this site is near an area where New Hampshire state-endangered Blanding's turtles (*Emydoidea blandingii*) and eastern hognose snakes (*Heterodon platirhinos*) were observed most recently in 2017 and 2016, respectively, and near where New Hampshire state-threatened spotted turtles (*Clemmys guttata*) were observed most recently in 2017. Additionally, the site property is being evaluated for New Hampshire state-endangered marbled salamanders (*Ambystoma opacum*) due to the proximity of the property to the Massachusetts border where the animal has been historically reported.

Currently, Blanding's turtle, eastern hognose snake, spotted turtle, or marbled salamander are not Federally listed species under the Endangered Species Act.

Blanding's turtles are seven-to-nine-inch turtles that utilize wetland habitats with permanent shallow water and emergent vegetation such as marshes, swamps, bogs, and ponds. They are known to use vernal pools extensively in spring and while moving through habitat areas. Blanding's turtles may use slow rivers and streams as they move between wetlands. They will also use terrestrial habitats for nesting and travel among wetlands.

Eastern hognose snakes, a thick-bodied snake measuring 20-35 inches in length, have an upturned snout and keeled dorsal scales. Light and dark blotches along the body vary in color from brown to red and orange. These snakes prefer open woodland, grasslands, and fields with sandy soil. Vegetation found in these sandy soils include white pine, pitch pine, scrub oak, and a mixture of hardwoods. Hognose snakes feed largely on toads and other amphibians. Wetlands suitable for amphibian breeding appear to be an important habitat component. Eggs are laid in sandy soils, usually during June and July, and young snakes hatch approximately eight weeks later. Some areas associated with active or abandoned sand and gravel operations may be a preferred habitat due to the sandy deposits and the mix of sandy openings and patches of shrubs surrounded by forest.

Spotted turtles are small, semi-aquatic turtles that reach 3.5 to 5 inches in length in adulthood. They are black to brown in color with bright yellow "polka-dot" spots. Spotted turtles require large intact landscapes with a variety of wetland types, including marshes, wet meadows, ponds, forested and shrub swamps, fens, shallow slow-moving streams and rivers, and vernal pools. Spotted turtles do not like overly developed areas or human disturbance, though human altered sites such as pastures, road edges, yards, and agricultural areas are often used for nesting. Hummocks in emergent wetlands are also used for nesting by spotted turtles.

Marbled salamanders are critically imperiled in the state of New Hampshire and are considered to be a species in greatest need of conservation. Found near the New Hampshire southern border with Massachusetts, marbled salamanders are small, stout-bodied salamanders which measure approximately three to four and a half inches long with distinct light crossbands across a dark back. The bands are variable in size and shape and may be incomplete. The marbled salamander may be found in various wooded habitats from floodplain forests to dry rocky slopes. During summer months the marbled

salamander can be found under cover beneath logs, rocks, leaf litter, and other objects or underground. Their eggs are laid under surface litter during fall on the edges of ponds or in dry pool basins on the forest floor. The eggs hatch after the depressions are filled with fall rains. The females guard the nest until the eggs are inundated by water. Conservation threats to the marbled salamander include upland and vernal pool habitat loss and loss of landscape connections between populations.

During the site reconnaissance ABC did not observe any Blanding's turtles, eastern hognose snakes, spotted turtles, or marbled salamanders in the project area or signs of these species. Additional threatened or endangered species were not observed during the site reconnaissance. ABC does note that January is not a time one would expect to find reptiles and amphibians active in New Hampshire.

4.4 - Site Reconnaissance

ABC conducted a site reconnaissance on January 2, 2024 from approximately 9:25 a.m. until 11:20 a.m. Temperatures for January 2, 2024 were between 22- and 35-degrees Fahrenheit between 9:25 a.m. until 11:20 a.m. The weather was clear and sunny on January 2, 2024.

ABC walked the TBH property and viewed abutting properties to assess wildlife habitat, which includes food sources, water availability, wildlife cover and the distribution of these factors across the project area and adjacent properties. Wildlife corridors were also assessed, and ABC noted wildlife and wildlife sign that were present on the properties.

ABC observed trees located on the site property consisted of black oak (*Quercus velutina*), white oak (*Quercus alba*), American beech (*Fagus grandifolia*), gray birch (*Betula populifolia*), and eastern white pine (*Pinus strobus*). In the shrub and vine layer of the site property mountain laurel (*Kalmia latifolia*), American witchhazel (*Hamamelis virginiana*), sweetfern (*Comptonia peregrina*), and highbush blueberry (*Vaccinium corymbosum*) were observed. Additional herbaceous layer plants include goldenrod (*Solidago* spp.), American wintergreen (*Gaultheria procumbens*), reed canary grass (*Phalaris arundinacea*), and bracken fern (*Pteridium aquilinum*).

ABC observed a wetland area in the southwestern portion of the site property project area, which appears to be freshwater forested wetland. This small wetland area and additional stormwater flows toward lower areas on the southern portion of the site toward the unnamed stream. The unnamed stream appears to flow west toward the Nissitissit River.

Animals that were observed, either by sight, sound, or visible signs (tracks or scat), during the site reconnaissance and found within the site boundaries include: mourning dove (*Zenaidura macroura*), woodpeckers, small rodents, and white-tailed deer (*Odocoileus virginianus*). Woodpecker activity can be observed in Photograph #6 in Appendix D. Small rodent activity can be observed in Photograph #11, also in Appendix D.

4.5 - Potential Impacts and Proposed Conservation Measures

Stormwater treatment will be provided to reduce pollutants and sediment from discharging into nearby wetlands. Additional areas downgradient of the project site have been identified as possible habitat for New Hampshire state-endangered Blanding's turtle, eastern hognose snake, marble salamander, and New Hampshire state-threatened spotted turtle. As noted above, stormwater control measures will minimize any sediment from discharging into any downgradient wetlands. Other erosion control measures which will be specified on the Construction Plans and will be used as necessary to further control erosion during and after construction. These include the following:

- Biodegradable blankets, such as North American Green BioNet® SC150BN®, which use woven organic materials such as coco or jute matting, for revegetation on slopes in the project area; and
- Use of erosion control berms, such as Filtrexx® Degradable Woven Silt Socks, or similar product, around areas to be protected.

In addition to the conservation measures mentioned above to protect onsite and downgradient wetland habitat, protection of the Blanding's turtle, eastern hognose snake, spotted turtle, and marbled salamander, or any other state-listed species located on or near the site, will be maintained at all times. To do this the following conditions will be included on the project plans:

- Site operators shall be made aware of the potential for rare wildlife species within the project area; Blanding's turtle, eastern hognose snake, spotted turtle, and marbled salamander identification and informational fact sheets are included in Appendix E;
- All observations of threatened or endangered species shall be reported to NHFGD via email to RAARP@wildlife.nh.gov and Melissa.J.Winters@wildlife.nh.gov; email subject line shall be: NHB23-3522, Tax Map D, Lot 50, NH Route 13, Brookline, Tamposi Brothers Holdings, LLC, and photographs shall be provided for verification as feasible; NHFGD shall be contacted immediately if any species are observed to be nesting or may possibly be nesting;
- If any threatened or endangered species are observed within the disturbance area and it is safe to do so, move to the closest location in the direction they were heading and contact NHFGD Melissa Winters by text or phone at 603-479-1129 or contact the NHFGD Wildlife Administrator at 603-271-2461 and include photographs as feasible; and
- NHFGD shall have access to the property during the term of the permit.

4.6 - Summary and Conclusions

The site property is undeveloped with a rough dirt access road leading into the property off NH Route 13. This area of Brookline is sparsely populated with residential single-family homes and few commercial uses. Wetlands are located on the site property. The site property comprises approximately 36 acres that will be utilized for the project building and development location. Only this 36-acre portion was observed for wildlife use and habitat. Wildlife species were noted to be present on the site, and the site appeared to be suitable for Blanding's turtles, eastern hognose snakes, spotted turtles, and marbled salamanders as possible terrestrial travel and/or nesting areas between wetlands.

A Phase I Threatened and Endangered Wildlife and Habitat Assessment was completed for this same 36-acre portion of Town of Brookline Lot D-50 by Michael A. Romano, certified wildlife biologist, on September 30, 2021. Following his three visits in May, June, and July of 2021 to the 36-acre area, he did not observe any spotted turtles, Blanding's turtles or eastern hognose snakes. Additionally, he mentions the wetland pool that exists on the property which could potentially attract turtles, and substrate present on the lower portion of the area could attract gravid females to nest and lay eggs, but he found no evidence of such activity. He stated that the habitat available in the survey area is also not well-suited for hognose snakes. He also stated that if marbled salamanders were present, they would be in the vicinity of the pool on the southeast corner of the 36-acre area proposed for development.

After visiting the site, ABC concurs with Michael Romano that only the small area in the wetland would most likely attract turtles and salamanders in addition to the unnamed stream that flows along the southern edge of the 36-acre portion of Lot D-50. Additionally, hognose snakes would unlikely be found in the area due to the rocky outcrop type soil as they prefer sandy soils and areas with favorable populations of toads and amphibians as a food source.

Concern for New Hampshire endangered and threatened species such as Blanding's turtle, eastern hognose snake, spotted turtle, and marbled salamander have been addressed with measures to identify and protect these species during project construction. Additionally, best management practices to reduce pollutants and sediment from discharging into onsite and offsite wildlife habitat, specifically wetlands, will be managed with stormwater treatment including grass-lined treatment swales, stone check dams, and straw bales. Also, when required, environment friendly biodegradable blankets and erosion control berms will be used on the site property.

The wetland areas on the site property and surrounding areas are still expected to be used by wildlife for cover and travel corridors. Current wildlife use of the surrounding areas is not expected to differ substantially due to the proposed project activities.

APPENDIX A

LIMITATIONS

LIMITATIONS

Allen-Bentley Consulting (ABC) prepared this report on behalf of and for the exclusive use of Tamposi Brothers Holdings, LLC (Client) solely for use at Brookline Tax Map D, Lot 50 located off NH Route 13 in Brookline, New Hampshire. This report shall not be transmitted to any other party, or relied upon by any other party, without ABC's written consent. However, ABC acknowledges the report may be conveyed to the New Hampshire Fish and Game Department and New Hampshire Department of Environmental Services as required under the laws and regulations of the State of New Hampshire.

ABC made the reported observations under the conditions stated herein. ABC based the report conclusions solely on the services described herein, and not on scientific tasks or procedures beyond the scope of described services.

In preparing this report, ABC relied on certain information provided by state officials, federal officials and other parties referenced herein, and on information contained in the files of federal, state and local agencies available to ABC at the time of the report. Although there may have been some degree of overlap in the information provided by these various sources, ABC did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of preparing this report.

ABC made site observations as reported. Where access to portions of the sites were unavailable or limited so as to prevent sufficient observation, ABC renders no opinion. ABC also renders no opinion where direct observation was obstructed by objects or coverings, including snow cover, on or over the property.

ABC's conclusions are based solely on the site observations made during the site reconnaissances. If variations or other latent conditions appear after ABC has concluded its site observations, ABC may need to reevaluate and change the report conclusions and/or recommendations. If additional site data is made available, ABC will have to reevaluate the report conclusions and recommendations.

ABC conducted this report in general accordance with the relevant accepted consulting practices. ABC makes no warranty, either expressed or implied.

APPENDIX B
NATURAL HERITAGE BUREAU
DATACHECK RESULTS LETTER



NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

To: Sarah Bollinger, Fieldstone Land Consultants, PLLC
45 Roxbury Street
Keene, NH 03431
sjbollinger@fieldstonelandconsultants.com

From: NHB Review
NH Natural Heritage Bureau
Main Contact: Ashley Litwinenko - nhbreview@dncr.nh.gov

cc: NHFG Review

Date: 12/14/2023 (valid until 12/14/2024)

Re: DataCheck Review by NH Natural Heritage Bureau and NH Fish & Game

Permits: GRANT APP - Invest NH, MUNICIPAL POR - Brookline, NHDES - Alteration of Terrain Permit, USEPA - Stormwater Pollution Prevention

NHB ID: NHB23-3522

Town: Brookline

Location: NH Route 13

Project Description: Workforce Housing Development FLC 2764.00

Next Steps for Applicant:

NHB's database has been searched for records of rare species and exemplary natural communities. Please carefully read the comments and consultation requirements below.

NHB Comments: No comments at this time.

NHFG Comments: Please refer to NHFG consultation requirements below.

NHB Consultation

If this NHB DataCheck letter includes records of rare plants and/or natural communities/systems, please contact NHB and provide any requested supplementary materials by emailing nhbreview@dncr.nh.gov.

If this NHB DataCheck letter DOES NOT include any records of rare plants and/or natural communities/systems, no further consultation with NHB is required.

NH Fish and Game Department Consultation

If this NHB DataCheck letter DOES NOT include ANY wildlife species records, then, based on the information submitted, no further consultation with the NH Fish and Game Department pursuant to Fis 1004 is required.



NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

If this NHB DataCheck letter includes a record for a threatened (T) or endangered (E) wildlife species, consultation with the New Hampshire Fish and Game Department under Fis 1004 may be required. To review the Fis 1000 rules (effective February 3, 2022), please go to <https://www.wildlife.nh.gov/wildlife-and-habitat/nongame-and-endangered-species/environmental-review>. All requests for consultation and submittals should be sent via email to NHFGreview@wildlife.nh.gov or can be sent by mail, and **must include the NHB DataCheck results letter number and "Fis 1004 consultation request" in the subject line.**

If the NHB DataCheck response letter does not include a threatened or endangered wildlife species but includes other wildlife species (e.g., Species of Special Concern), consultation under Fis 1004 is not required; however, some species are protected under other state laws or rules, so coordination with NH Fish & Game is highly recommended or may be required for certain permits. While some permitting processes are exempt from required consultation under Fis 1004 (e.g., *statutory permit by notification, permit by rule, permit by notification, routine roadway registration, docking structure registration, or conditional authorization by rule*), coordination with NH Fish & Game may still be required under the rules governing those specific permitting processes, and it is recommended you contact the applicable permitting agency. For projects not requiring consultation under Fis 1004, but where additional coordination with NH Fish and Game is requested, please email NHFGreview@wildlife.nh.gov, and include the NHB DataCheck results letter number and "review request" in the email subject line.

Contact NH Fish & Game at (603) 271-0467 with questions.



NHB DataCheck Results Letter

NH Natural Heritage Bureau

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NHB Database Records:

The following record(s) have been documented in the vicinity of the proposed project.

Please see the map and detailed information about the record(s) on the following pages.

Vertebrate species	State ¹	Federal	Notes
Blanding's Turtle (<i>Emydoidea blandingii</i>)	E	--	Contact the NH Fish & Game Dept (see below).
Eastern Hognose Snake (<i>Heterodon platirhinos</i>)	E	--	Contact the NH Fish & Game Dept (see above).
Sensitive species	E	--	Contact the NH Fish & Game Dept (see below).
Spotted Turtle (<i>Clemmys guttata</i>)	T	--	Contact the NH Fish & Game Dept (see below).

¹Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list.

An asterisk (*) indicates that the most recent report for that occurrence was 20 or more years ago.

For all animal reviews, refer to 'IMPORTANT: NHFG Consultation' section above.

Disclaimer: NHB's database can only tell you of known occurrences that have been reported to NHFG/NHB. Known occurrences are based on information gathered by qualified biologists or members of the public, reported to our offices, and verified by NHB/NHFG.

However, many areas have never been surveyed, or have only been surveyed for certain species.

NHB recommends surveys to determine what species/natural communities are present onsite.

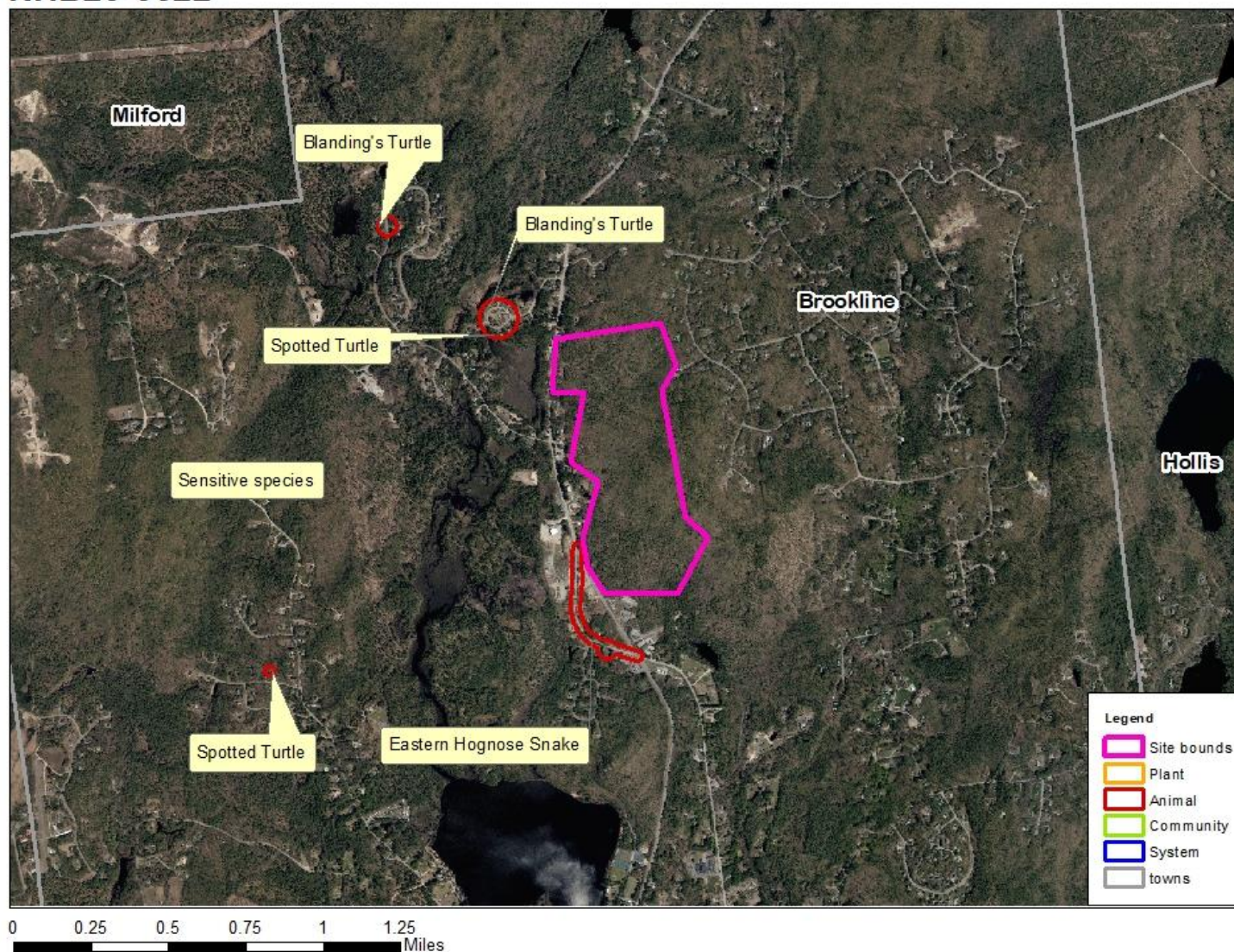


NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-3522



NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-3522

EOCODE:

ARAAD04010*1165*NH

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

Global: Apparently secure but with cause for concern
State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2017: Area 14564: 1 adult observed, sex unknown.
General Area: 2017: Area 14564: Residential, marshland and pond.
General Comments: --
Management: --
Comments:

Location

Survey Site Name: Scab Mill Brook
Managed By:

County: Hillsborough
Town(s): Brookline
Size: 1.9 acres Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2017: Area 14564: 23 Hutchinson Hill Road, Brookline.

Dates documented

First reported: 2017-06-20 Last reported: 2017-06-20

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-3522

EOCODE:

ARAAD04010*386*NH

New Hampshire Natural Heritage Bureau - Animal Record

Blanding's Turtle (*Emydoidea blandingii*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

Global: Apparently secure but with cause for concern
State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2016: Area 12306M: 1 adult female observed. 2010: Area 12306M: 1 adult observed.
2009: Area 12306M: 1 observed.

General Area: 2016: Area 12306M: Low sandy brush area, pond and wetlands nearby. Brook runs nearby. Heavily wooded outside of the center of the cul de sac. 2009: Area 12306M: Residential yard adjacent to beaver pond.

General Comments: --
Management: --
Comments:

Location

Survey Site Name: Scab Mill Brook
Managed By:

County: Hillsborough
Town(s): Brookline
Size: 7.7 acres Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2009: Area 12306M: 18 Scabbard Mill Brook Road, Brookline.

Dates documented

First reported: 2009-04-26 Last reported: 2016-06-15

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-3522

EOCODE:

ARADB17020*036*NH

New Hampshire Natural Heritage Bureau - Animal Record

Eastern Hognose Snake (*Heterodon platirhinos*)

Legal Status

Federal: Not listed
State: Listed Endangered

Conservation Status

Global: Demonstrably widespread, abundant, and secure
State: Critically imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2016: Area 14184: 1 adult observed, sex unknown. 2009: Area 12376: 1 observed.
General Area: 2016: Area 14184: Residential yard. 2009: Area 12376: Roadside.
General Comments: 2009: Area 12376: Captured and released on north side of Potanipo Pond.
Management: --
Comments:

Location

Survey Site Name: North Brookline
Managed By:

County: Hillsborough
Town(s): Brookline
Size: 10.6 acres Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2016: 6 Quimby Road, Brookline. 2009: Area 12376: Quimby Road, Brookline.

Dates documented

First reported: 2009-09-04 Last reported: 2016-08-24

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

NHB DataCheck Results Letter

NH Natural Heritage Bureau

Please note: maps and NHB record pages are **confidential** and shall be redacted from public documents.

NHB23-3522

EOCODE:

ARAD02010*122*NH

New Hampshire Natural Heritage Bureau - Animal Record

Spotted Turtle (*Clemmys guttata*)

Legal Status

Federal: Not listed
State: Listed Threatened

Conservation Status

Global: Demonstrably widespread, abundant, and secure
State: Imperiled due to rarity or vulnerability

Description at this Location

Conservation Rank: Not ranked
Comments on Rank: --

Detailed Description: 2017: Area 14576: 1 adult observed, sex unknown. 2009: Area 12305: 1 observed.
General Area: 2017: Area 14576: Residential yard in wooded land. 2009: Area 12305: Beaver Pond adjacent to house.
General Comments: --
Management: --
Comments:

Location

Survey Site Name: North Stream
Managed By:

County: Hillsborough
Town(s): Brookline
Size: 8.1 acres Elevation:

Precision: Within (but not necessarily restricted to) the area indicated on the map.

Directions: 2017: Area 14576: 5 Conneck Road, Brookline. 2009: Area 12305: 18 Scabbard Mill Brook Road, Brookline.

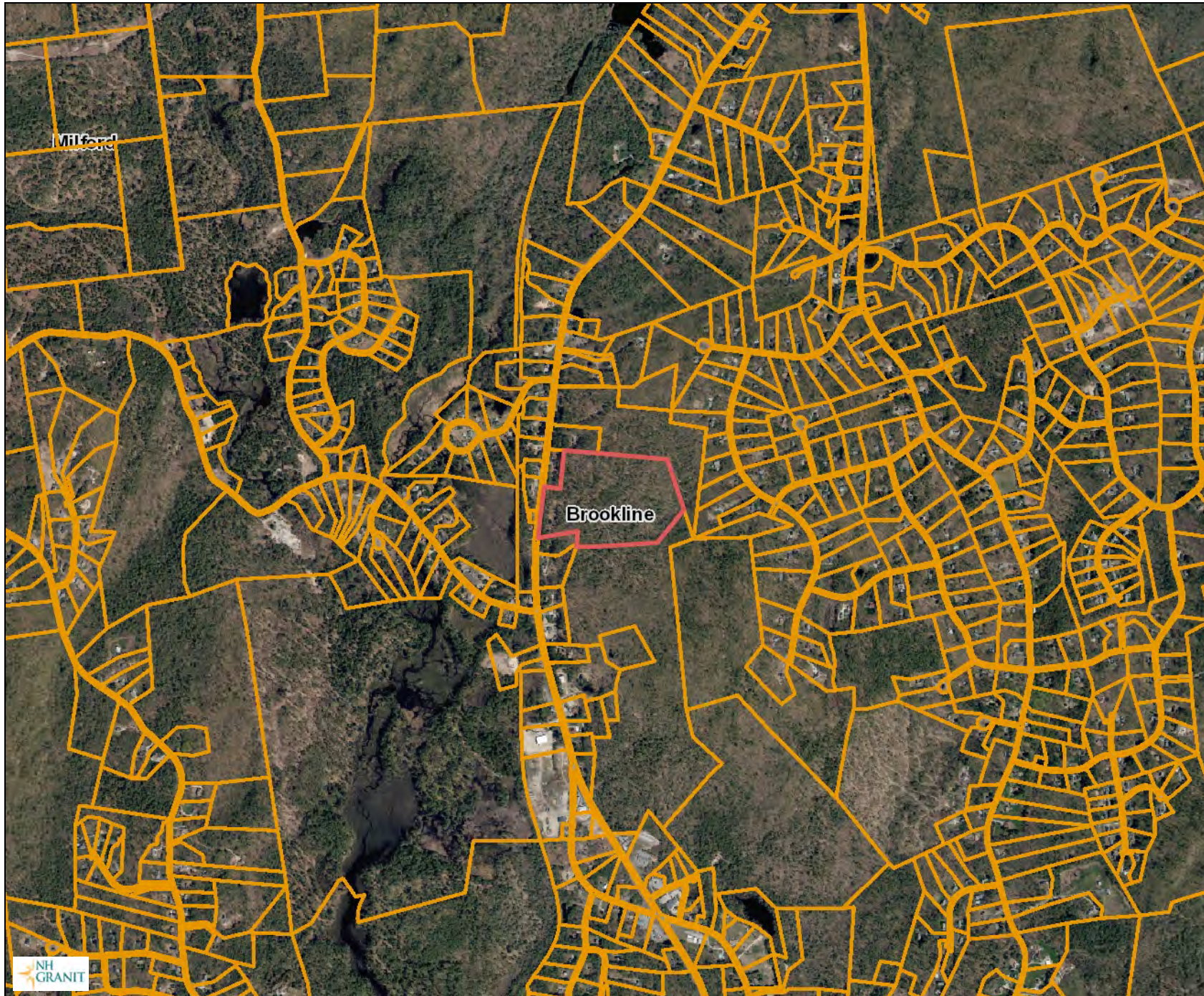
Dates documented

First reported: 2009-05-02 Last reported: 2017-05-16

The New Hampshire Fish & Game Department has jurisdiction over rare wildlife in New Hampshire. Please contact them at 11 Hazen Drive, Concord, NH 03301 or at (603) 271-2461.

APPENDIX C
FIGURES

Aerial Map - NH Route 13, Brookline Tax Map D, Lot 50, Brookline



Legend

- Parcels
- City/Town
- Site Project Boundary

Map Scale

1: 19,434

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Map Generated: 2/17/2024



Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only. NH 2021/22 6-inch RGB (Provisional).



Aerial Map - NH Route 13, Brookline Tax Map D, Lot 50, Brookline

Legend

- Parcels
- City/Town
- Site Project Boundary



Map Scale

1: 2,429



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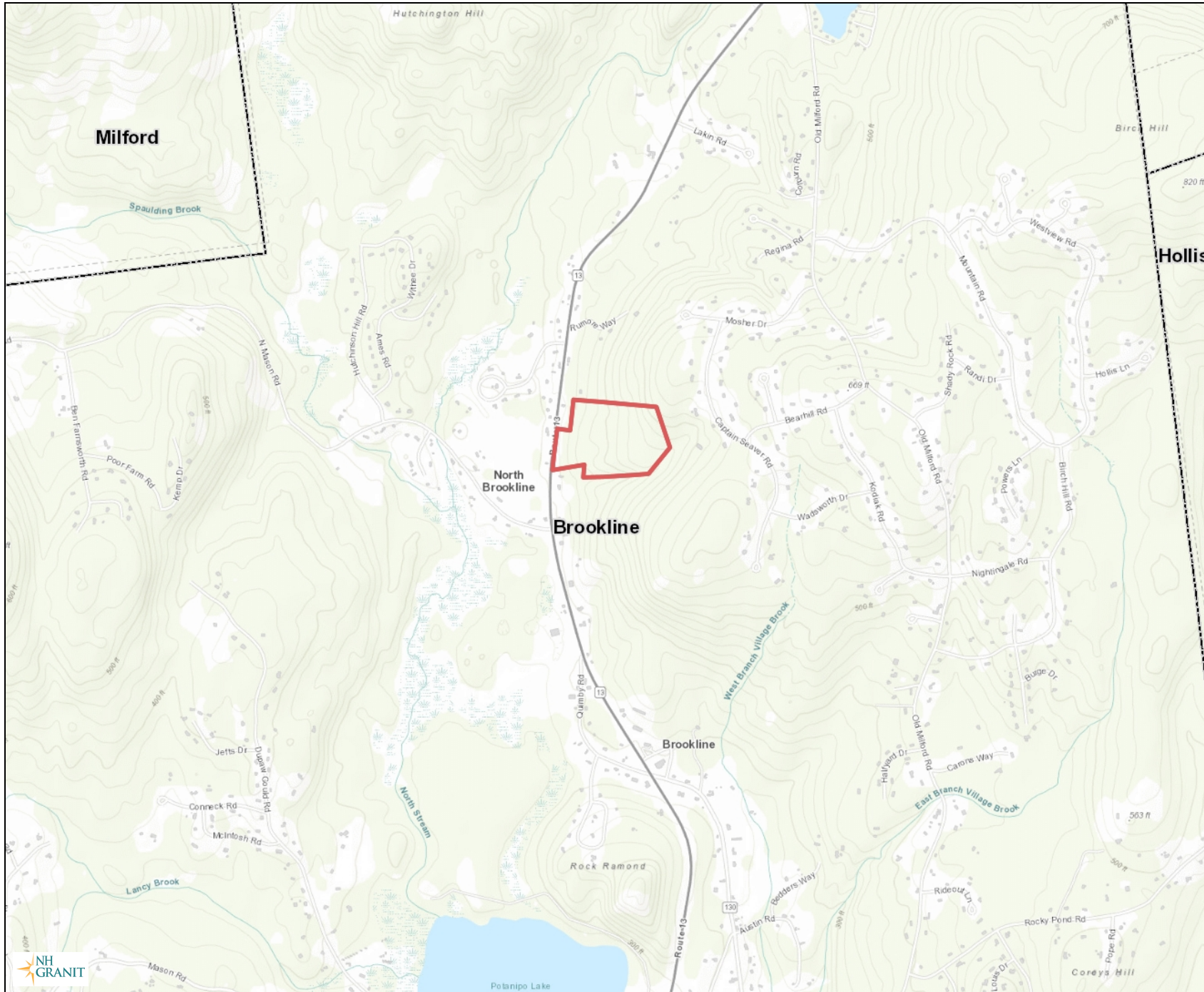
Map Generated: 2/17/2024

Notes



Base map data provided by NH GRANIT at UNH. Intended for planning use only. NH 2021/22 6-inch RGB (Provisional).



Topographic Map - NH Route 13, Brookline Tax Map D, Lot 50, Brookline



Legend

-  City/Town
-  Site Project Boundary

Map Scale

1: 24,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 2/17/2024



Notes

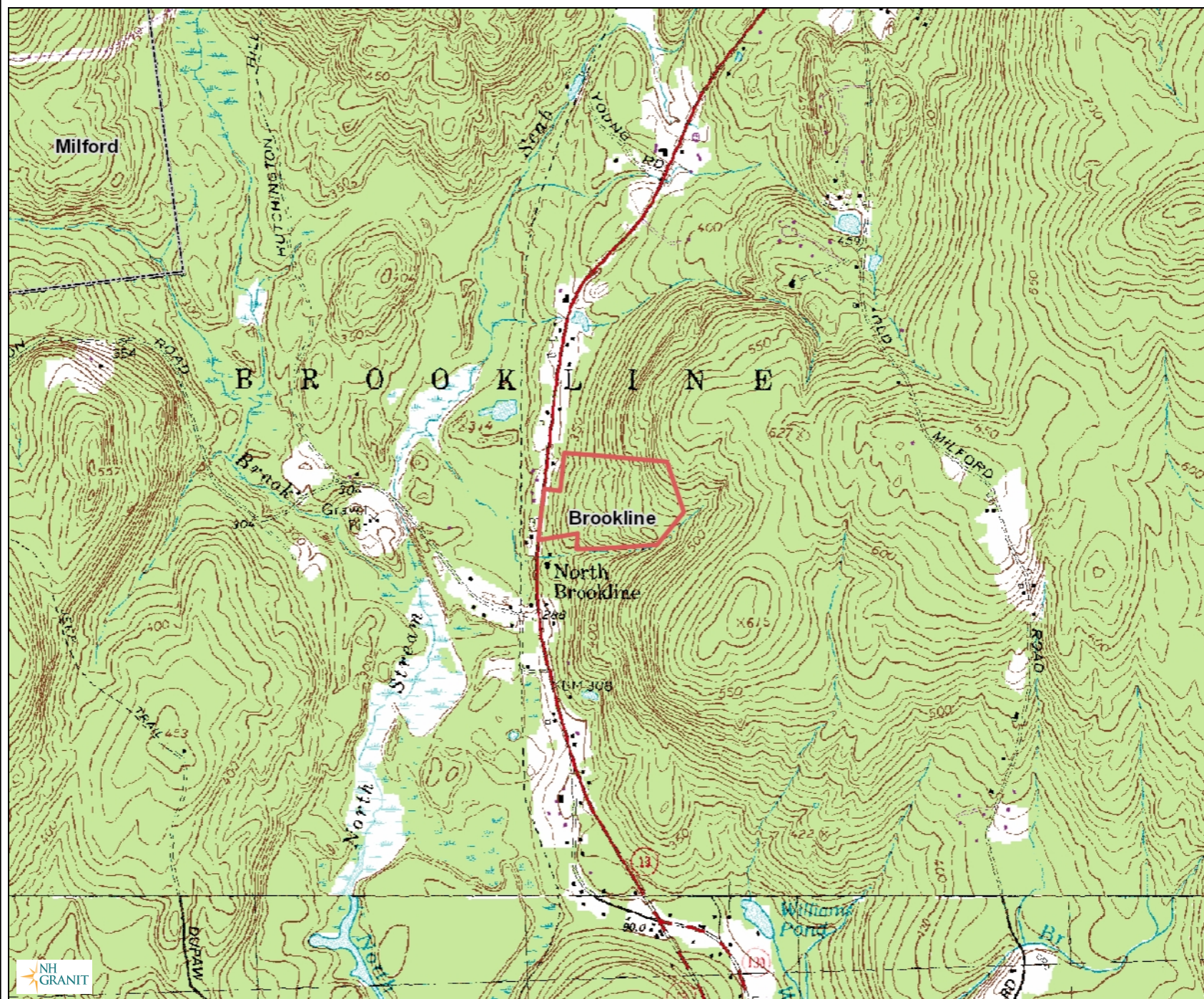
Base map data provided by NH GRANIT at UNH. Intended for planning use only.
World Topo Map.



Topographic Map - NH Route 13, Brookline Tax Map D, Lot 50, Brookline

Legend

- City/Town
- Site Project Boundary



Map Scale

1: 19,434

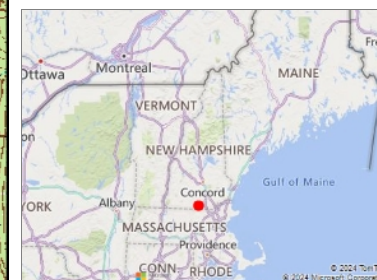
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Map Generated: 2/19/2024



Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only.
USGS 7.5-minute Topos.



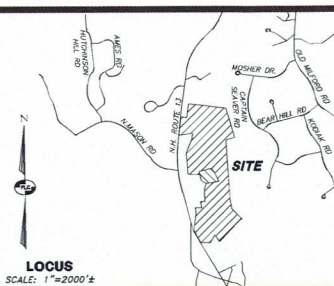


REFERENCE PLAN:

PLAN OF LAND OF WILLIAM A. & PEARL T. MEDLYN
ROUTE 13 BROOKLINE, NH. SCALE: 1"=100'
DATED: JANUARY, 1970, PREPARED BY: E.A. LEACH
& RECORDED AS PLAN #434 IN THE M.C.R.D.

WORKFORCE HOUSING PROPOSAL:

1. THIS CONCEPT PLAN DEPICTS A MIXED USE MULTI-FAMILY RESIDENTIAL DEVELOPMENT WITH 40 UNITS OF WORKFORCE HOUSING IN 8, 5-UNIT BUILDINGS AND 58 UNITS OF HOUSING FOR OLDER PERSONS IN 14, 4 UNIT BUILDINGS AND 1 DUPLEX.
2. THE DEVELOPMENT WILL BE SERVICED BY ON-SITE SUBSURFACE DISPOSAL SYSTEMS AND A COMMUNITY WATER SYSTEM.
3. THIS DEVELOPMENT WILL OCCUR OVER APPROXIMATELY 68 ACRES OF LAND WHICH IS CONTIGUOUS AND EXCLUSIVE OF WETLANDS. THIS REDUCES TO EACH BUILDING HAVING APPROXIMATELY 4.2+ ACRES OF LAND.
4. THIS CONCEPT WILL PROVIDE FOR APPROXIMATELY 572' OF FRONTAGE ALONG NH ROUTE 13 AND WILL REQUIRE THE CONSTRUCTION OF 3,500 FEET OF ROADSIDE AND 250 PARKING SPACES.
5. THE MINIMUM SEPARATION BETWEEN TWO STORY BUILDINGS IS 35 FEET AND THE MINIMUM SEPARATION BETWEEN SINGLE STORY BUILDINGS IS 30 FEET.
6. THE LAYOUT DEPICTED ON THIS PLAN MEETS ALL LOCAL BUFFERING REQUIREMENTS INCLUDING THE 50-FOOT VEGETATIVE BUFFER TO ALL NEIGHBORING PROPERTIES.
7. THIS PLAN PROPOSES TO PLACE APPROXIMATELY 50+ ACRES INTO A PROTECTED OPEN SPACE.



LOCUS

SCALE: 1"=2000'

NOTES:

1. THE OWNER OF RECORD OF TAX MAP D LOT 50 & 70 IS WILLIAM MEDLYN REVOCABLE TRUST - 503 NASHUA STREET, MILFORD, NH 03055.
2. THE PURPOSE OF THIS PLAN IS A CONCEPTUAL PRESENTATION.
3. ZONING FOR THE PARCEL D-70 IS RESIDENTIAL AND AGRICULTURAL ZONING FOR THE PARCELS D-50 IS RESIDENTIAL AND AGRICULTURAL AND PARTIALLY INDUSTRIAL AND COMMERCIAL MINIMUM REQUIREMENTS ARE:

LAND AREA	INDUSTRIAL & COMMERCIAL	RESIDENTIAL & AGRICULTURAL
1 ACRE	80,000 SQ. FT.	80,000 SQ. FT.
FRONT SETBACK	100 FEET	100 FEET
SIDE AND REAR SETBACK	30 FEET	30 FEET
MAX. SITE COVERAGE	15 FT	15 FT
BUILDING HEIGHT	25 FT. FOR CORNER LOTS	30 FT. FOR CORNER LOTS
	35 FEET	35 FEET
4. THE SURFACE FEATURES AND BOUNDARY INFORMATION SHOWN HERE DEVELOPED FROM THE REFERENCE PLAN CITED HEREON.
5. THE HORIZONTAL ORIENTATION IS N.H. STATE PLANE AND THE VERTICAL DATUM IS NAVD83.
6. THE SUBJECT PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS DETERMINED FROM THE FLOOD INSURANCE STUDY (FIRM) HILLSBOROUGH COUNTY, TOWN OF BROOKLINE, NEW HAMPSHIRE, COMMUNITY NO. 330180, PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, MAP NUMBER: 330180C4700, DATED: SEPTEMBER 25, 2009.
7. THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITIES.

WORKFORCE HOUSING REQUIREMENTS:

1. MULTI-FAMILY BUILDINGS SHALL HAVE NO MORE THAN 5 ATTACHED UNITS.
2. THE MINIMUM LOT SIZE REQUIREMENTS FOR MULTI-FAMILY BUILDINGS SHALL BE 3 CONTIGUOUS ACRES EXCLUDING WETLANDS.
3. THE FRONTAGE REQUIREMENT FOR MULTI-FAMILY BUILDINGS ARE 240 FEET.
4. THE DEVELOPMENT SHALL HAVE A VEGETATED BUFFER OF 50 FEET.
5. THE MINIMUM BUILDING SETBACK REQUIREMENTS SHALL BE 15 FEET ON THE BACK AND SIDE AND 30 FEET ON THE FRONT.
6. DENSITY BONUS: THE PLANNING BOARD MAY ALLOW A REDUCTION OF THE MINIMUM LOT SIZE UP TO 25% PER UNIT IN ORDER TO ACCOMMODATE INCREASED DENSITY AS LONG AS THE SOIL CONDITIONS PERMIT THE SITING OF SEPTIC SYSTEMS AND WATER SUPPLY SYSTEMS WITHIN THE DECREASED LOT SIZE.

THE FOLLOWING ARE CONSIDERATIONS IN THE PLANNING BOARD'S GRANTING OF A REDUCTION IN THE MINIMUM LOT SIZE:
- DESIGNATION OF 100% OF THE UNITS AS WORKFORCE HOUSING.
- PROVISIONS FOR BUILDING DESIGN CONSISTENT WITH BROOKLINE'S HISTORIC ARCHITECTURAL STYLE AND BLENDS WITH THE SURROUNDING NEIGHBORHOOD.
- MINIMIZATION OF IMPACT TO ENVIRONMENTAL RESOURCES THROUGH THE USE OF LOW IMPACT DESIGN FEATURES.
- PROVISION OF A TRAIL OR GREEN SPACE CONNECTION WITH ADJACENT PROPERTIES.
- INCORPORATION OF ENERGY SAVING TECHNIQUES OR THE EQUIVALENT OF ENERGY STAR RATING IN ALL BUILDING DESIGNS.

REV.	DATE	DESCRIPTION	C/D	DR	CHK
A	11/14/23	ADD CLUBHOUSE, PUMP HOUSE, CISTERN & LOOP DRIVE	TR	NRC	CEB

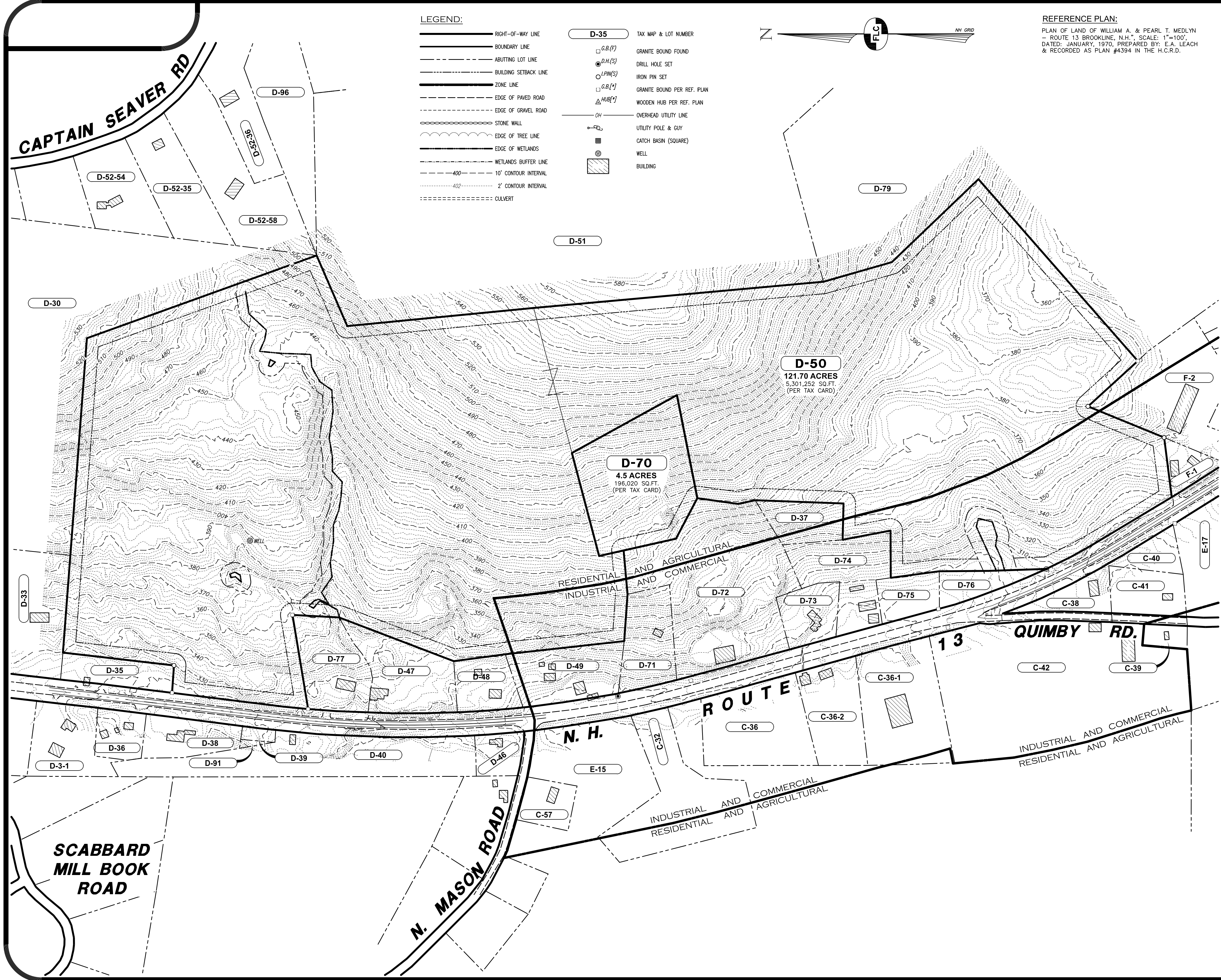
MIXED HOUSING USE CONCEPT PLAN TAX MAP D LOT 50 & 70 - NH ROUTE 13 BROOKLINE, NEW HAMPSHIRE

PREPARED FOR:
TAMPOSI BROTHERS
32 PINE HILL ROAD, UNIT A - NASHUA, NH 03083
LAND OF:
MEDLYN REVOCABLE TRUST

SCALE: 1" = 100'
Surveying + Engineering + Land Planning + Permitting + Septic Designs



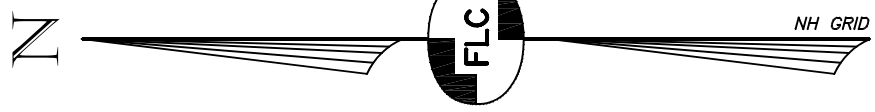
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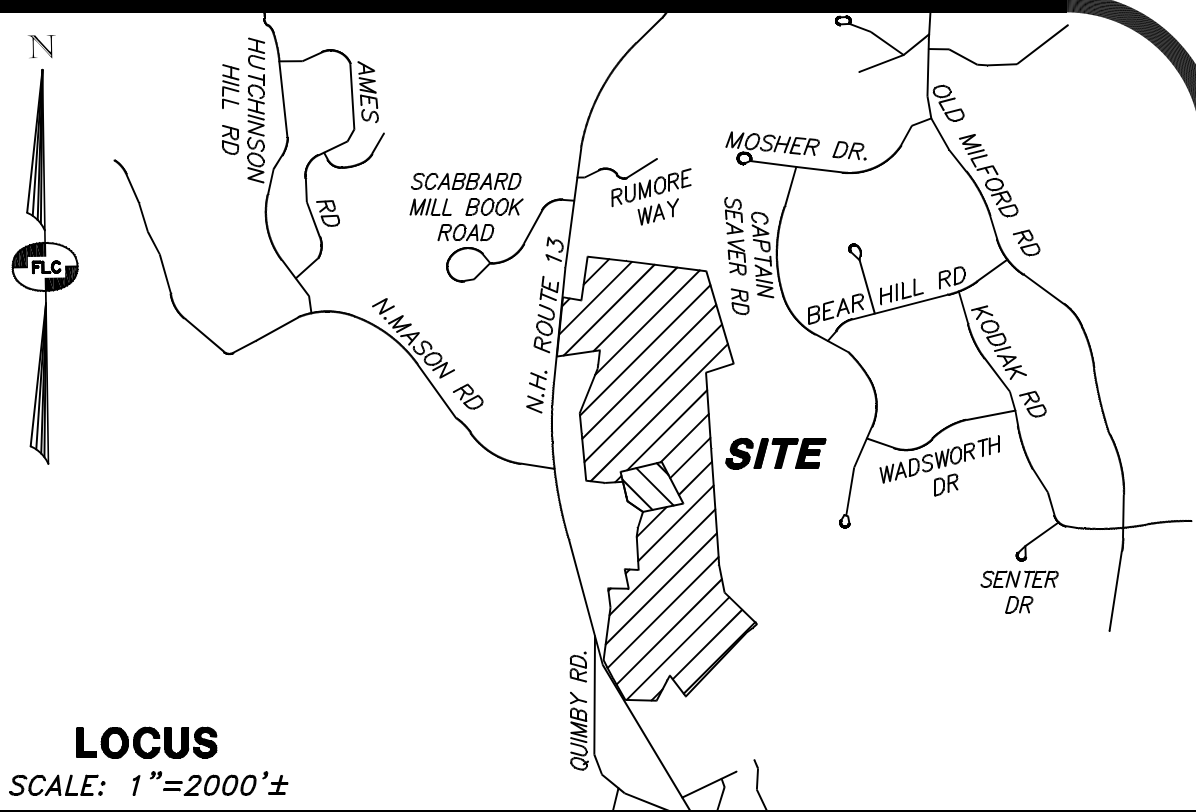
LEGEND:

- RIGHT-OF-WAY LINE
- BOUNDARY LINE
- ABUTTING LOT LINE
- BUILDING SETBACK LINE
- ZONE LINE
- EDGE OF PAVED ROAD
- EDGE OF GRAVEL ROAD
- STONE WALL
- EDGE OF TREE LINE
- EDGE OF WETLANDS
- WETLANDS BUFFER LINE
- 10' CONTOUR INTERVAL
- 2' CONTOUR INTERVAL
- CULVERT

- D-35** TAX MAP & LOT NUMBER
- G.B.(F) GRANITE BOUND FOUND
- D.H.(S) DRILL HOLE SET
- I.P.W.(S) IRON PIN SET
- G.B.(*) GRANITE BOUND PER REF. PLAN
- HUB(*) WOODEN HUB PER REF. PLAN
- O.H. OVERHEAD UTILITY LINE
- UTILITY POLE & GUY
- CATCH BASIN (SQUARE)
- WELL
- BUILDING



REFERENCE PLAN:
PLAN OF LAND OF WILLIAM A. & PEARL T. MEDLYN
- ROUTE 13 BROOKLINE, N.H., SCALE: 1"=100'
DATED: JANUARY, 1970, PREPARED BY: E.A. LEACH
& RECORDED AS PLAN #4394 IN THE H.C.R.D.

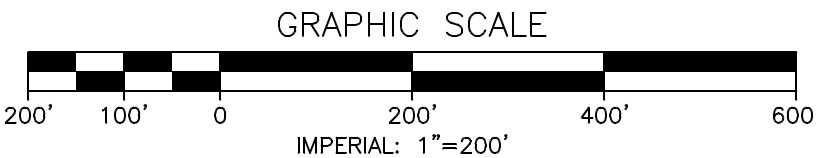


LOCUS
SCALE: 1"=2000'±

NOTES:

- THE OWNER OF RECORD OF TAX MAP D LOT 50 & 70 IS WILLIAM MEDLYN REVOCABLE TRUST - 503 NASHUA STREET, MILFORD, NH 03055.
- THE PURPOSE OF THIS PLAN IS SHOW THE EXISTING CONDITIONS FOR TAX MAP D LOT 50 & TAX MAP D LOT 70.
- ZONING FOR THE PARCEL D-70 IS RESIDENTIAL AND AGRICULTURAL, ZONING FOR THE PARCEL D-50 IS RESIDENTIAL AND AGRICULTURAL AND PARTIALLY INDUSTRIAL AND COMMERCIAL. MINIMUM REQUIREMENTS ARE:

	INDUSTRIAL & COMMERCIAL	RESIDENTIAL & AGRICULTURAL
LAND AREA	1 ACRE	80,000 SQ.FT.
ROAD FRONTAGE	150 FEET	200 FEET
FRONT SETBACK	30 FEET	30 FEET
SIDE AND REAR SETBACK	15 FT.	15 FT.
MAX. SITE COVERAGE	25 FT. FOR CORNER LOTS	30 FT. FOR CORNER LOTS
BUILDING HEIGHT	75% 35 FEET	N/A 35 FEET
- THE SURFACE FEATURES AND BOUNDARY INFORMATION SHOWN WERE DEVELOPED FROM THE REFERENCE PLAN CITED HEREON.
- THE HORIZONTAL ORIENTATION IS N.H. STATE PLANE AND THE VERTICAL DATUM IS NAVD88.
- THE SUBJECT PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS DETERMINED FROM THE FLOOD INSURANCE STUDY (FIRM), HILLSBOROUGH COUNTY, TOWN OF BROOKLINE, NEW HAMPSHIRE, COMMUNITY NO. 330180, PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, MAP NUMBER: 33011C04700, DATED: SEPTEMBER 25, 2009.
- THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITIES.



REV.	DATE	DESCRIPTION	C/O	DR	CK

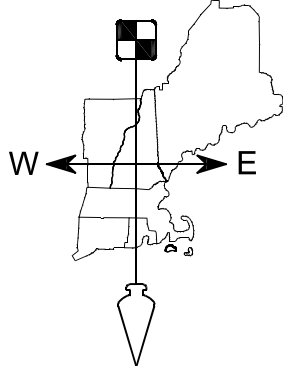
OVERALL EXISTING CONDITIONS PLAN
TAX MAP D LOT 50 & 70 - N.H. ROUTE 13
BROOKLINE, NEW HAMPSHIRE

PREPARED FOR:
TAMPOSI BROTHERS
32 PINE HILL ROAD, UNIT A - NASHUA, NH 03063

LAND OF:
MEDLYN REVOCABLE TRUST
503 NASHUA STREET, MILFORD, NH 03055

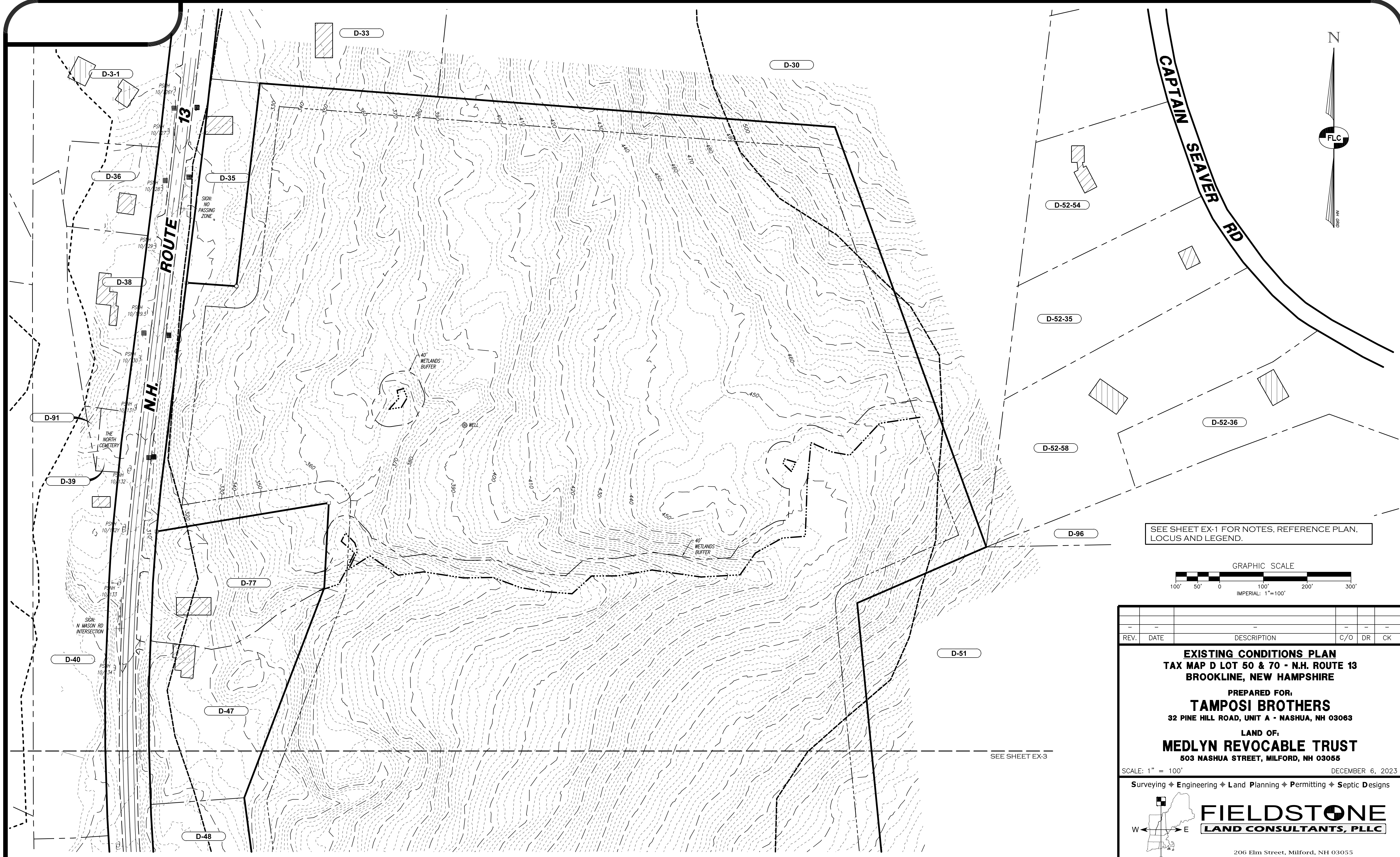
SCALE: 1" = 200' DECEMBER 6, 2023

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

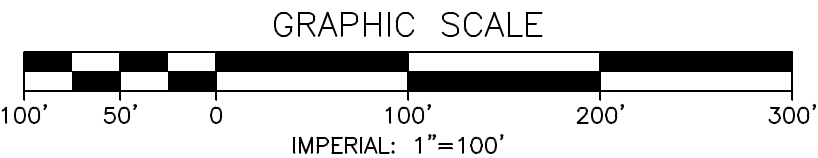


FIELDSTONE
LAND CONSULTANTS, PLLC

206 Elm Street, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com



SEE SHEET EX-1 FOR NOTES, REFERENCE PLAN, LOCUS AND LEGEND.



REV.	DATE	DESCRIPTION	C/O	DR	CK

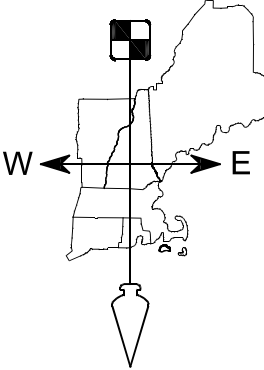
EXISTING CONDITIONS PLAN
TAX MAP D LOT 50 & 70 - N.H. ROUTE 13
BROOKLINE, NEW HAMPSHIRE

PREPARED FOR:
TAMPOSI BROTHERS
32 PINE HILL ROAD, UNIT A - NASHUA, NH 03063

LAND OF:
MEDLYN REVOCABLE TRUST
503 NASHUA STREET, MILFORD, NH 03055

SCALE: 1" = 100' DECEMBER 6, 2023

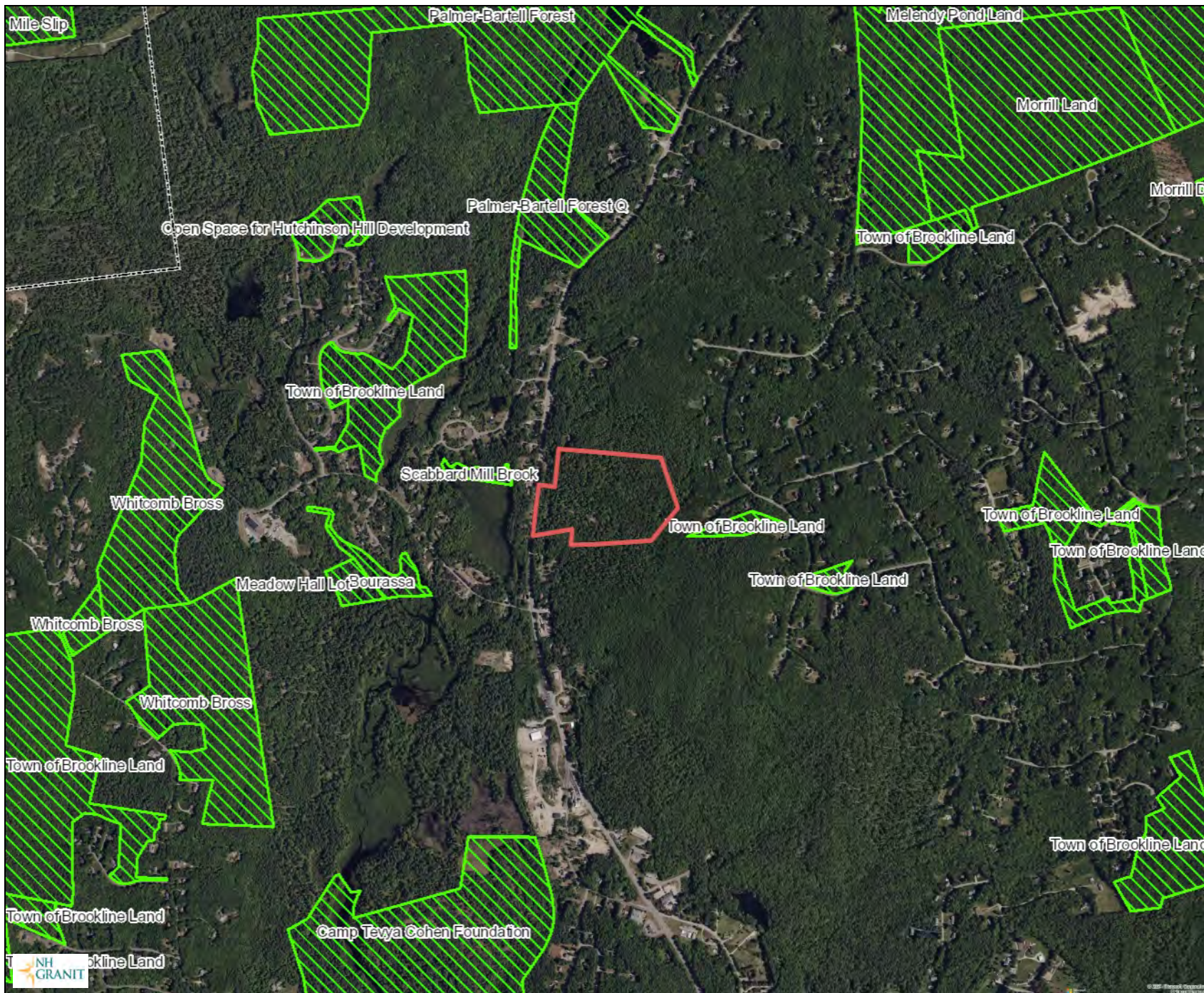
Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs



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Conservation and Public Lands Map - NH Route 13, Tax Map D, Lot 50, Brookline



Legend

- City/Town
- Conservation and Public Land
- Site Project Boundary

Map Scale

1: 19,434

© NH GRANIT, www.granit.unh.edu

Map Generated: 2/19/2024

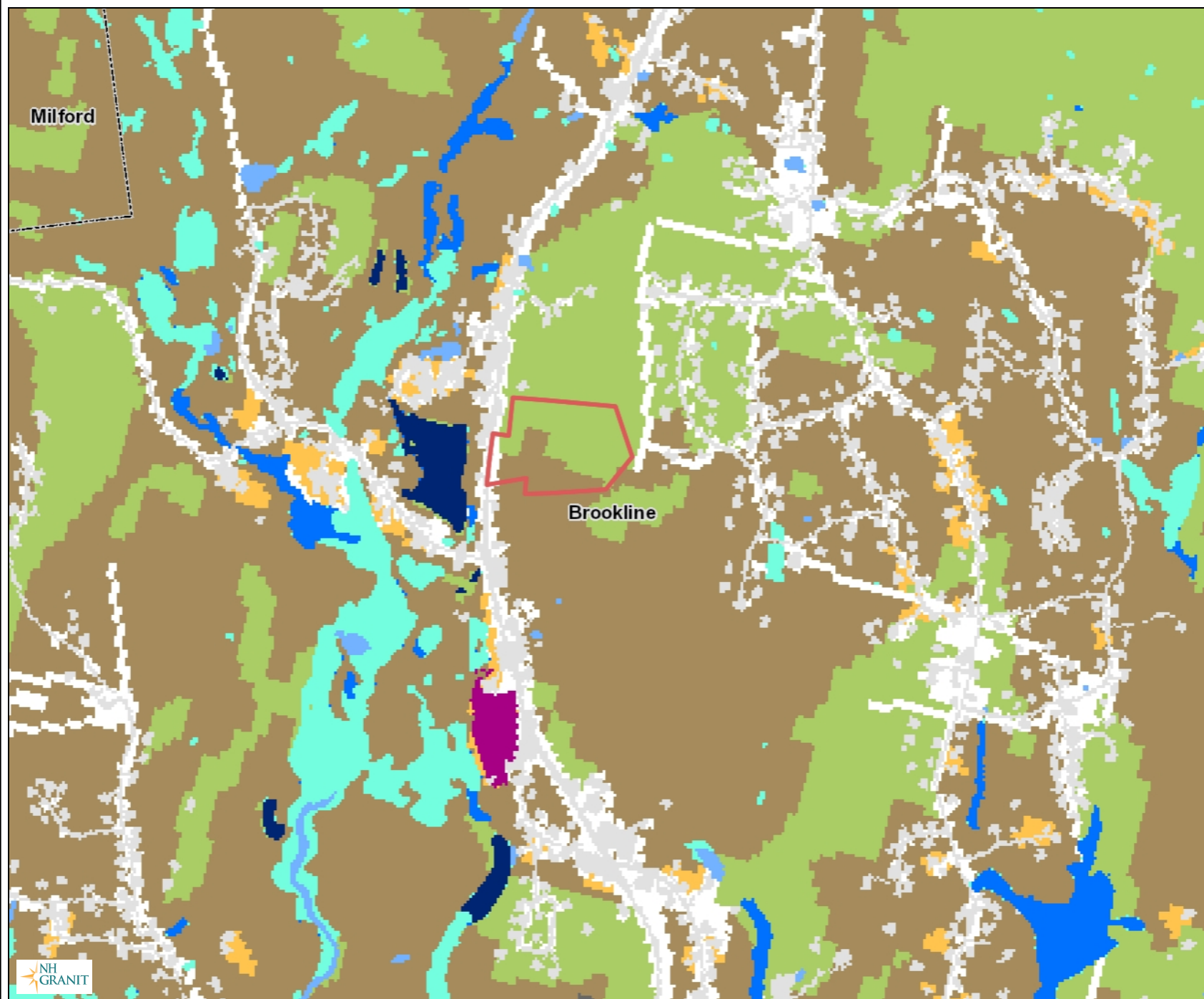


Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only. Bing Aerial 2023.



Wildlife Action Plan 2020 - Wildlife Habitat Land Cover



Legend

City/Town

WAP 2020: Wildlife Habitat Land Cover

- Alpine
- Appalachian oak-pine
- Cliff and Talus slope
- Coastal island and Rocky coast
- Developed Impervious
- Developed or Barren land
- Dune
- Floodplain forest
- Grassland
- Hemlock-hardwood-pine
- High-elevation spruce-fir
- Lowland spruce-fir
- Northern hardwood-conifer
- Northern swamp
- Open water
- Peatland
- Pine barren
- Rocky ridge
- Salt marsh
- Sand/Gravel
- Temperate swamp
- Marsh and shrub wetland

Site Project Boundary

Map Scale

1: 19,434

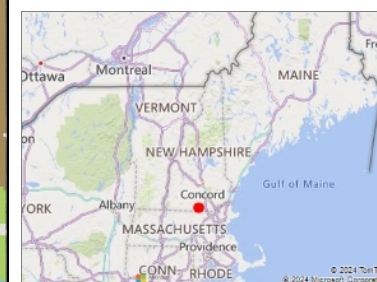
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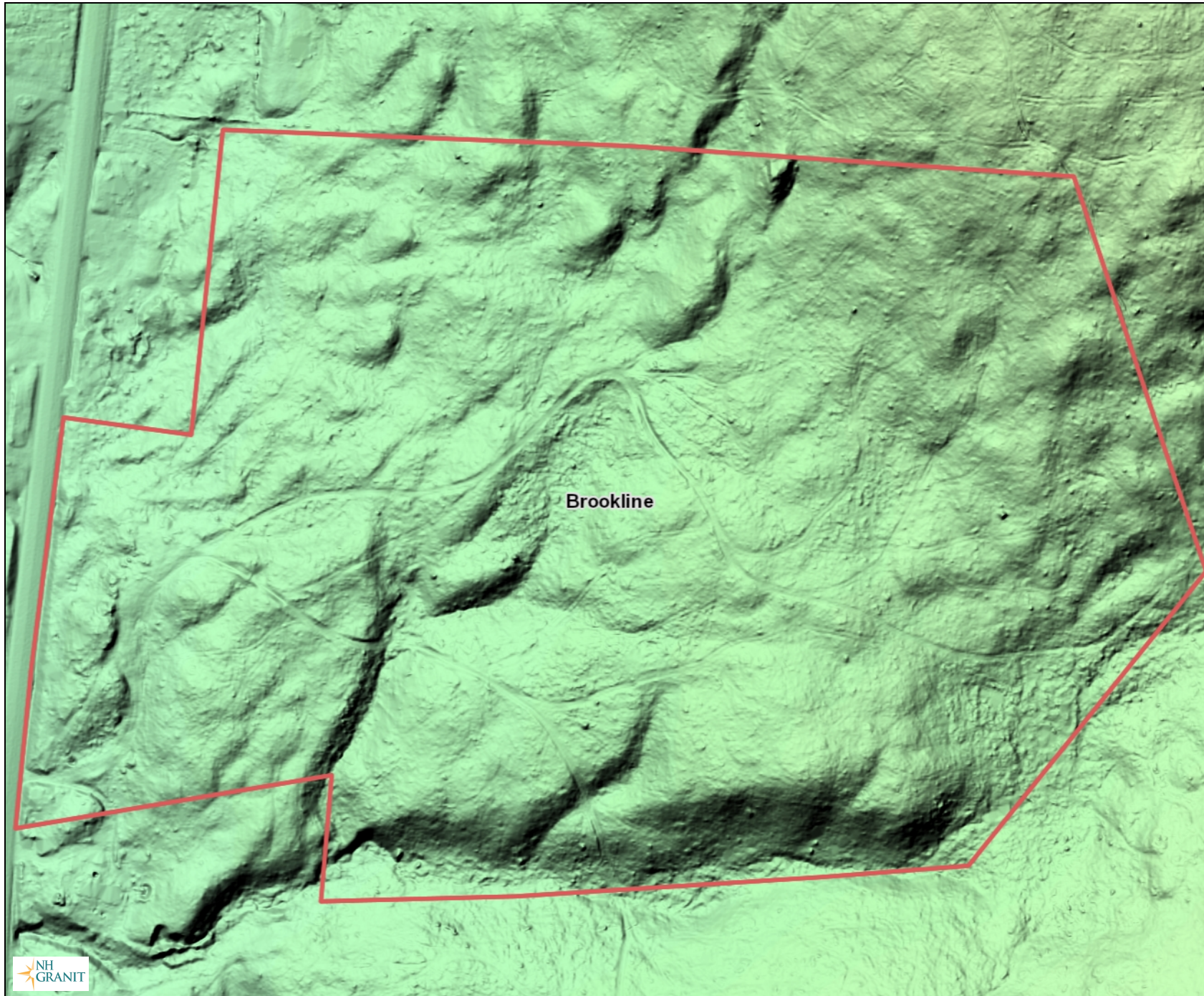


Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only.



LiDAR-Based Bare Earth Shaded Relief Map - Tax Map D, Lot 50, Brookline



Legend

- City/Town
- LiDAR-Based Bare Earth Shaded Relief
- Site Project Boundary

Map Scale

1: 2,429

© NH GRANIT, www.granit.unh.edu

Map Generated: 2/19/2024

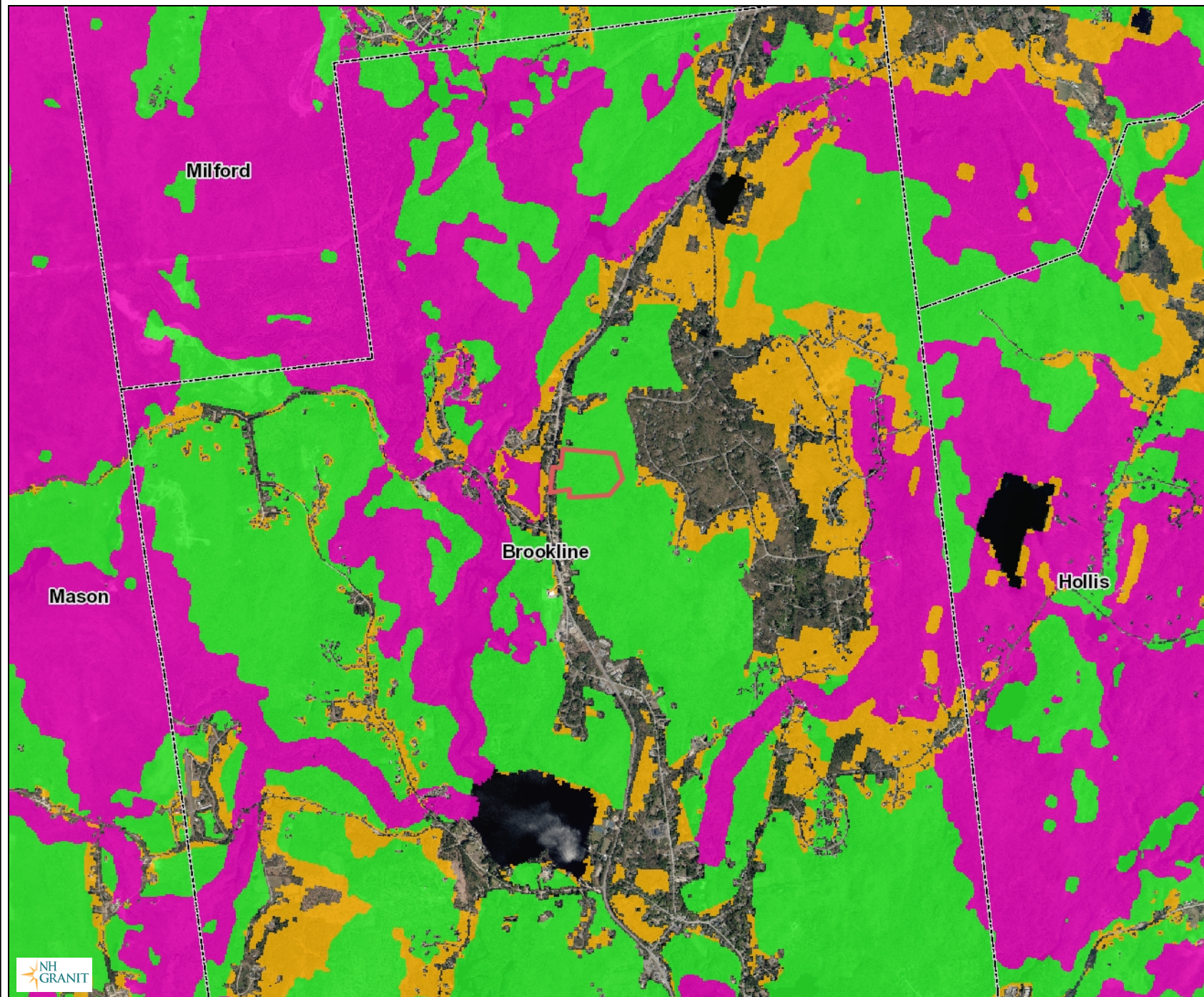


Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only.



2020 NH Highest Ranked Wildlife Habitat by Ecological Condition



Legend

- City/Town
- WAP 2020: Highest Ranked Wildlife Habitat
 - 1 Highest Ranked Habitat in NH
 - 2 Highest Ranked Habitat in Region
 - 3 Supporting Landscape
- Site Project Boundary

Map Scale

1: 38,868

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Map Generated: 2/19/2024

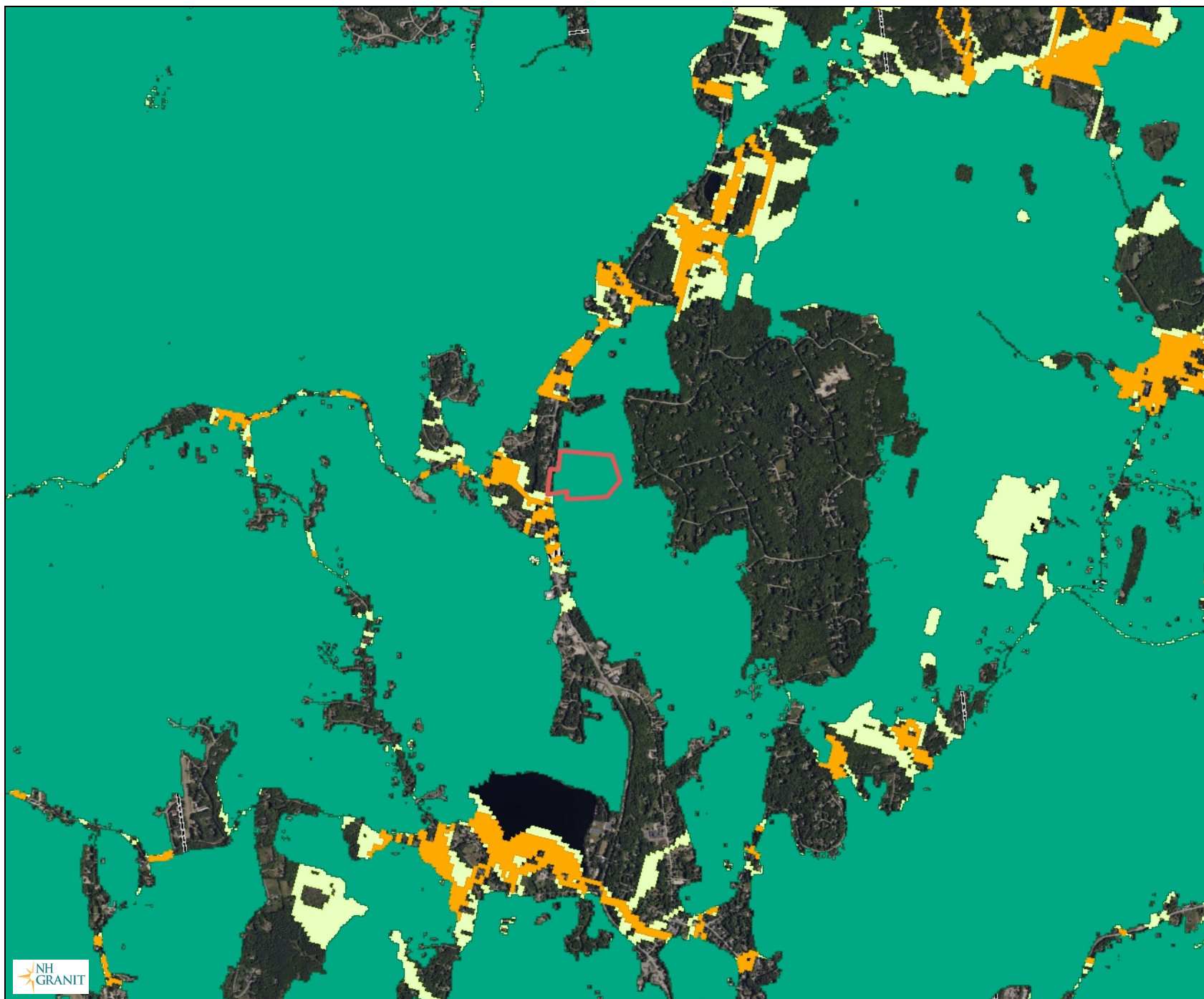


Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only. NH 2021/22 6-inch RGB (Provisional).



Wildlife Corridor Data Map - NH Route 13, Brookline Tax Map D, Lot 50, Brookline



Legend

- Wildlife Corridors
- Prioritized Habitat Blocks
- Wildlife Secondary Corridors
- City/Town
- Site Project Boundary

Map Scale

1: 38,868

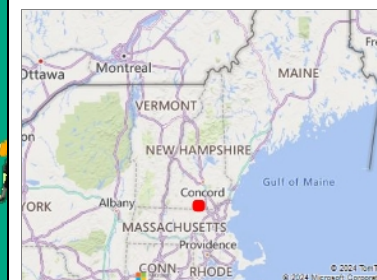
© NH GRANIT, www.granit.unh.edu

Map Generated: 2/19/2024

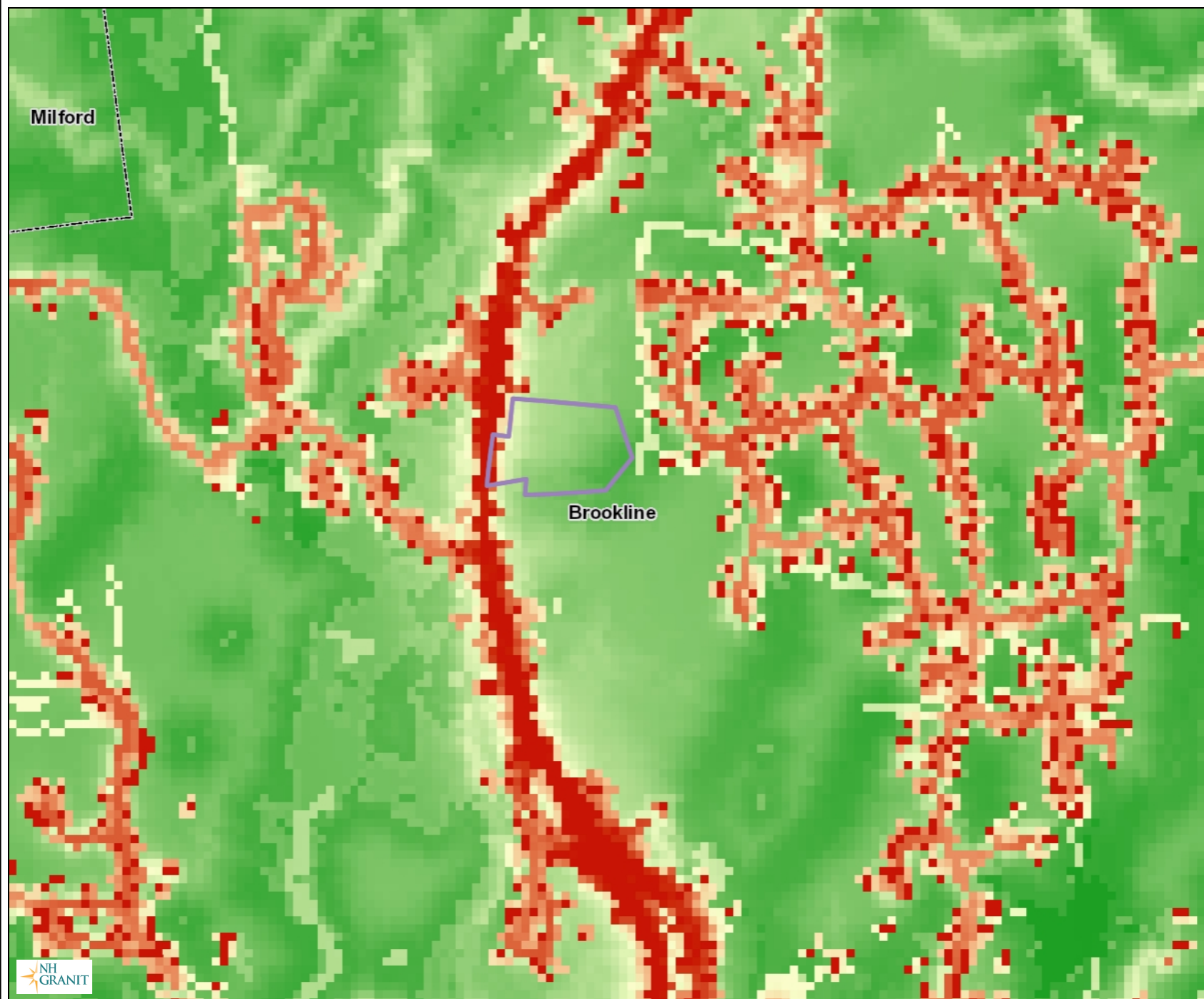


Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only. Bing Aerial 2023.



Wildlife Connectivity Map - NH Route 13, Brookline Tax Map D, Lot 50, Brookline



Legend

- City/Town
- Wildlife Connectivity
 - Low permeability: 100 (high cost)
 - Highly permeable : 0 (low cost)
- Site Project Boundary

Map Scale

1: 19,434

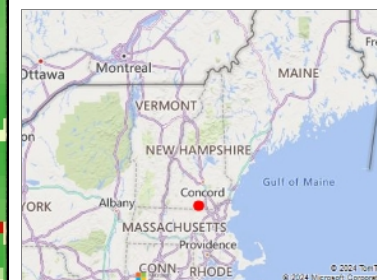
© NH GRANIT, www.granit.unh.edu

Map Generated: 2/19/2024



Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only.



National Flood Hazard Layer FIRMMette



71°40'34"W 42°46'1"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

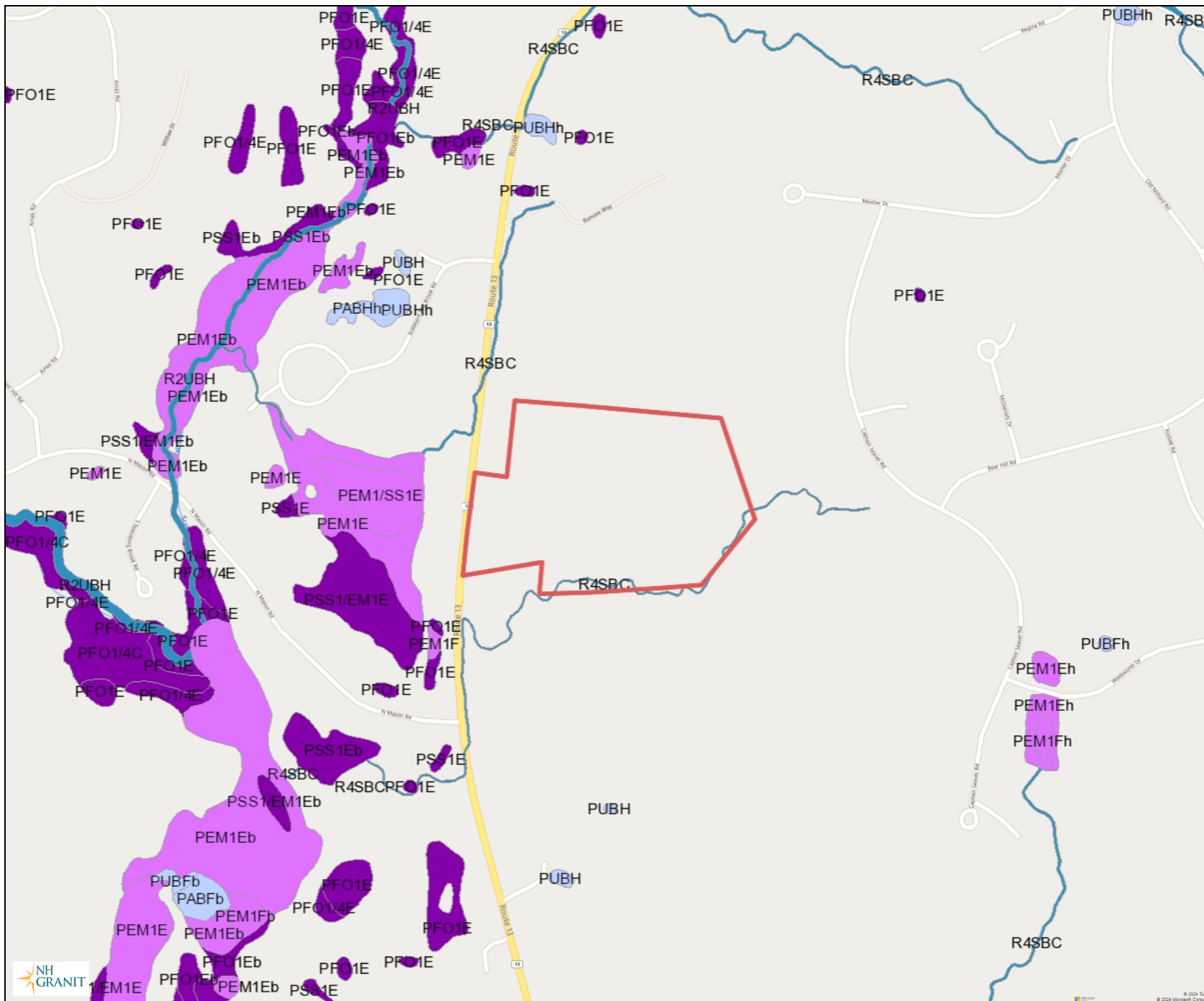
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/21/2024 at 11:30 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Wetlands Inventory - NH Route 13, Brookline Tax Map D, Lot 50, Brookline

Legend

- City/Town
- National Wetlands Inventory Version 2
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Site Project Boundary



Map Scale

1: 9,717

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Map Generated: 2/19/2024



Notes

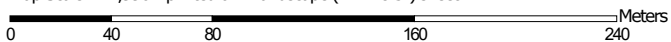
Base map data provided by NH GRANIT at UNH. Intended for planning use only. Bing Roads.



Soil Map—Hillsborough County, New Hampshire, Eastern Part
(NH Route 13, Brookline Tax Map D, Lot 50, Brookline)



Map Scale: 1:2,990 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

2/19/2024
Page 1 of 3

Soil Map—Hillsborough County, New Hampshire, Eastern Part
(NH Route 13, Brookline Tax Map D, Lot 50, Brookline)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hillsborough County, New Hampshire, Eastern Part

Survey Area Data: Version 26, Aug 22, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 22, 2022—Jun 5, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CmC	Canton fine sandy loam, 8 to 15 percent slopes, very stony	0.8	2.3%
CtD	Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes	34.6	96.0%
HsB	Hinckley loamy sand, 3 to 8 percent slopes	0.6	1.8%
Totals for Area of Interest		36.0	100.0%

APPENDIX D
SITE PHOTOGRAPHS &
PHOTOGRAPH LOCATION PLAN



Photograph 1: Looking southwest toward the entrance to the site property off NH Route 13.



Photograph 2: Looking southeast from northern most point of gravel operations.

Photographs taken January 2, 2024 at 9:30 a.m. and 9:31 a.m.

Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 3: Looking north from western edge of site property.



Photograph 4: Looking northeast from western edge of site property.

Photographs taken January 2, 2024 at 9:31 a.m. and 9:36 a.m.

Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 5: Facing northeast near eastern center of site property.



Photograph 6: View of woodpecker activity.

Photographs taken January 2, 2024 at 10:24 a.m. and 10:30 a.m.
Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 7: Facing north northwest near center of site property.



Photograph 8: Facing north northeast near northern edge of site property.

Photographs taken January 2, 2024 at 9:42 a.m. and 10:01 a.m.
Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 9: Facing east along northern border of site property.



Photograph 10: Rocky outcropping near northern border of site property.

Photographs taken January 2, 2024 at 10:03 a.m. and 10:07 a.m.
Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 11: Evidence of small rodent activity with chew marks on acorns.



Photograph 12: View to the southeast near northeastern portion of site property.

Photographs taken January 2, 2024 at 10:06 a.m. and 10:15 a.m.
Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 13: View to the southeast toward southern border of project site and unnamed stream.



Photograph 14: View of monitoring well located at site of proposed community well.

Photographs taken January 2, 2024 at 10:34 a.m. and 11:10 a.m.
Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 15: View to the north towards the proposed community well.



Photograph 16: View of upstream wetland crossing area on the site property.

Photographs taken January 2, 2024 at 11:10 a.m. and 11:11 a.m.
Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire



Photograph 17: View of downstream wetland crossing area on site property.



Photograph 18: View to the southeast across wetland crossing area on the site property.

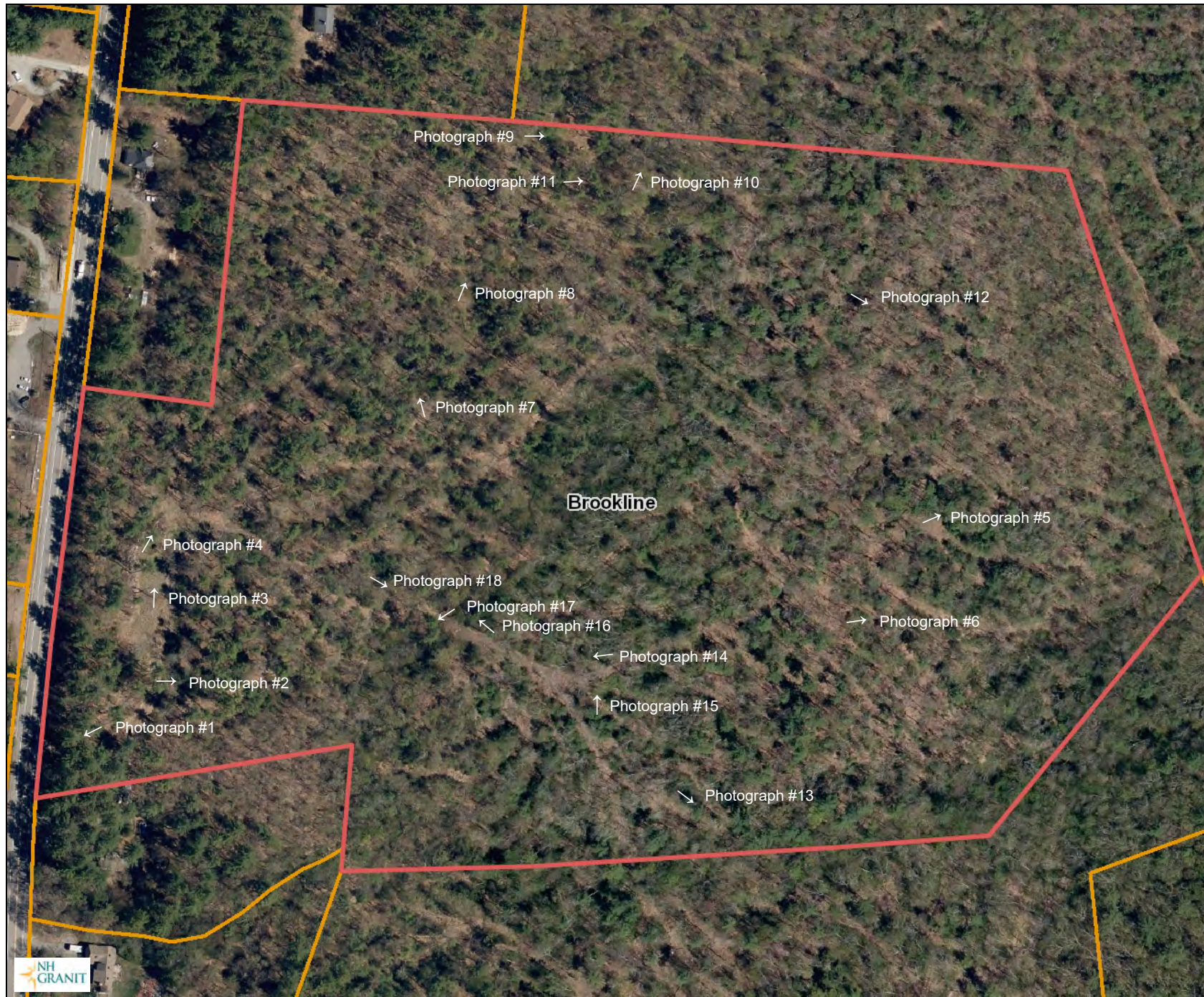
Photographs taken January 2, 2024 at 11:12 a.m.

Brookline Town Map D, Lot 50, NH Route 13, Brookline, New Hampshire

Photograph Locations - NH Route 13, Brookline Tax Map D, Lot 50, Brookline

Legend

- Parcels
- City/Town
- Site Project Boundary



Map Scale

1: 2,429

© NH GRANIT, www.granit.unh.edu

Map Generated: 2/17/2024



Notes

Base map data provided by NH GRANIT at UNH. Intended for planning use only. NH 2021/22 6-inch RGB (Provisional).



APPENDIX E
SPECIES INFORMATIONAL FACT SHEETS

Blanding's Turtle

(*Emydoidea blandingii*)

New Hampshire State Endangered



©Mike Marchand photo

- Large, dark/black domed shell with lighter speckles.
- Distinct yellow throat/chin.
- Aquatic but often moves on land.

Please report sightings to NH Fish and Game at RAARP@wildlife.nh.gov or at 603-271-2461. Photo documentation, location, and date/time of observation is helpful.

Eastern Hognose Snake

(*Heterodon platirhinos*)

New Hampshire State Endangered



- **Harmless snake!!**
- May flatten its head to look like a cobra and hiss loudly when threatened.
- May play dead when threatened.
- A stocky snake, 2 to 3 feet long, with an upturned snout.
- Variable in color but are usually black, brown or gray with dark brown blotches.

Please report sightings to NH Fish and Game at
RAARP@wildlife.nh.gov or at 603-271-2461.

Photo documentation, location, and date/time of observation is helpful.

Spotted Turtle

(*Clemmys guttata*)

New Hampshire State Threatened



Photo © Judi Lindsey



Photo © Kathy Davis



Photo © John Rockwood

- Small, mostly aquatic turtle.
- Black or dark brown shell with yellow spots.

- Fairly flat shell compared to Blanding's turtle.
- Spots vary in color and number.

Please report sightings to NH Fish and Game at RAARP@wildlife.nh.gov or at 603-271-2461. Photo documentation, location, and date/time of observation is helpful.

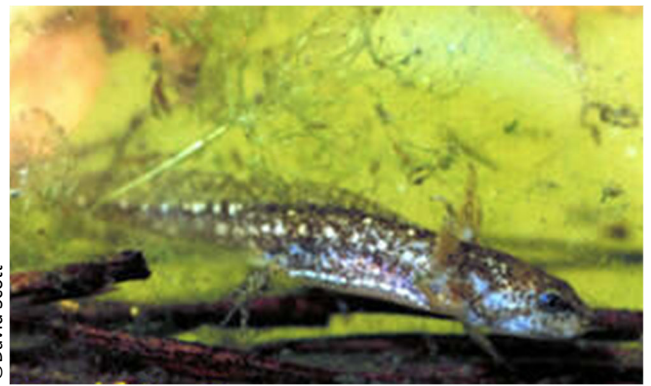
Marbled Salamander

(*Ambystoma opacum*)

New Hampshire Endangered Species



©Lloyd Gamble



©David Scott

- Marbled salamanders are critically imperiled and are a species in greatest need of conservation in New Hampshire.
- Small, stout-bodied salamander approximately 3 to 4.5 inches with distinct light crossbands across a dark back. The bands are variable in size and shape and may be incomplete.
- Found in various wooded habitats from floodplain forests to dry rocky slopes.
- During summer found under cover objects or underground.

Please report sightings to NH Fish and Game at RAARP@wildlife.nh.gov or at 603-271-2461. Photo documentation, location, and date/time of observation is helpful.