Pike Family Revocable Trust of 2021 Conservation Easement

Durham, New Hampshire

Baseline Documentation Report

Prepared By:
Southeast Land Trust of New Hampshire
247 North River Road • Epping, NH 03042

June 2023

Affidavit of Documentation Preparer

I, Shaun Dillon, Conservation Coordinator for the Southeast Land Trust of New Hampshire, prepared this Baseline Documentation Report for the Pike Family Revocable Trust of 2021 Conservation Easement located on Packers Falls Road in Durham, Strafford County, New Hampshire. My qualifications include completion of graduate level course work in the field of Biology and training on the subject of Baseline and Baseline Documentation Reports. The Southeast Land Trust deemed me qualified to prepare this report.

Having reviewed the proposed Conservation Easement deed, Amanda Ellms - SELT's Easement Stewardship Manager and I visited the Easement Property on December 6th, 2022, and I again on January 11th and April 28th, 2023. I took documenting photographs at key sites on the Property, and Duane Hyde the project manager at SELT, has informed me about current and any known historical land uses and features through discussions with Bonnie Pike. I also prepared a narrative and produced maps to represent the Property's condition. I undertook these activities to document the site's condition at the time of Easement conveyance and in relation to the Easement terms. This documentation summarizes existing knowledge and is not necessarily a comprehensive representation of the Property's conservation values and features.

This report consists of forty-six (46) pages, including the cover page, this Affidavit of Documentation Preparer, the narrative entitled Conservation Easement Baseline Documentation and Acknowledgement of Property Condition, eight maps, a description of photographs, and forty-three photographs. Copies of this report are being provided to the Grantor, the New Hampshire Department of Environmental Services (NHDES) and the Natural Resources Conservation Service (NRCS). The original report, including original digital photo files, is on file with the Southeast Land Trust of New Hampshire in accordance with our Policy on Records Management.

Shaun Dillon

Conservation Coordinator

Southeast Land Trust of New Hampshire

STATE OF NEW HAMPSHIRE COUNTY OF ROCKINGHAM, ss.

On this 25 day of May, 2023, before me personally appeared Shaun Dillon, known to me, or satisfactorily proven, to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he signed the same as his voluntary act and deed for the purposes therein

contained.

Beverly A Shadley NOTARY PUBLIC State of New Hampshire My Commission Expires 3/3/2026 Notary Public/Justice of the Peace

Name: Beverly Shadley My Commission Expires:

Grantor Initials: Grantee Initials:

NHDES Initials: EW

Conservation Easement Baseline Documentation and Acknowledgement of Property Condition

(To satisfy Section 1.170A-14(g)(5) of the federal tax regulations)

Grantor:

The Pike Family Revocable Trust of 2021, Bonnie Pike, Trustee 275 Packers Falls Road Durham, NH 03824 Grantee:

Southeast Land Trust of New Hampshire 247 North River Road Epping, NH 03042

3rd Party Right of Enforcement:

State of New Hampshire, acting through Department of Environmental Services 29 Hazen Drive Concord, NH 03301 3rd Party Right of Enforcement:

United States of America, acting by and through USDA-NRCS 273 Locust Street, Suite 2D Dover, NH 03820

Easement Deed: Recorded at the Strafford County Registry of Deeds as Book 5134 Page 334

Property Location: Durham Tax Map 14, Lot 10-2-1 (2022)

Survey plan recorded at the Strafford County Registry of Deeds as 12629

Road: Packers Falls Road Town/County: Durham/ Strafford

Land Acreage & Types: 36.16 acres 72% Forest

13% Agricultural Area (Pasture & Mowed Field)

10% Forested Wetland 2% Open Wetland

1% Field <1% Waterbody

<1% Scrub-Shrub Wetland

<1% Scrub-Shrub

Maximum allowed impervious surface: 1,000 square feet

Existing impervious surface: 0 square feet

Project Type:

This project was a conservation easement purchase completed through funding from New Hampshire Department of Environmental Services (NHDES) Aquatic Resource Mitigation Fund (ARM), NHDES Drinking Water and Groundwater Trust Fund (DWGTF), the Town of Durham, Natural Resources Conservation Service (NRCS) Regional Conservation Partnership Program (RCPP) and Lamprey River Advisory Committee (LRAC). A copy of the monitoring report must be provided to NHDES and the Town of Durham. This Property has guaranteed public access for non-motorized, non-commercial outdoor recreational activities.

Condition of Land:

The Property is in good condition. The northern portion of the Property is very level and, based on historical aerial photos, has been open fields/pasture since at least 1951. The southern portion of the Property is forested and has a little more topography and overall slopes gently down towards the Lamprey River, which runs along the southwestern and southern boundary.

The Property provides connectivity and landscape linkages to the abutting approximately 28-acre Burrows Conservation Easement, the abutting approximately 54-acre Town of Durham Thompson Forest and the abutting (across the Lamprey River) approximately 50-acre Dunham Conservation easement. All

Grantor Initials Off NHDES Initials:

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Conservation Easement Baseline Documentation and Acknowledgement of Property Condition Pike Family Revocable Trust of 2021 Easement

the beforementioned properties are subjected to Conservation Easements held by SELT (see Baseline Topographic Map). These factors give the Property good conservation context and connectivity to other conserved land.

Habitat-

The Property has important wildlife habitat values according to the New Hampshire Fish & Game Department (NHFG) Wildlife Action Plan (2020) which indicates 6.7 acres of the Property is "Highest Ranked Habitat in New Hampshire", 18.8 acres is "Highest Ranked Habitat in Biological Region" and 7.7 acres is "Supporting Landscape" (see Baseline Wildlife Habitat Quality Map). This ranking is likely due in part to the open field/pasture and important habitats and connectivity along the Lamprey River. The Property is located within an approximately 840-acre unfragmented forest block mapped by the NHFG Department.

The abutting Lamprey River is listed as containing Species of Concern and Anadromous fish in the Aquatic Wildlife Action Plan (New Hampshire Fish and Game Aquatic Wildlife Action Plan-Fishery Priority Classifications 2018).

The Natural Heritage Bureau has records of the following species occurring within one mile of the Property: Kettle hole bog system natural community (S2), crested sedge (S1), long-leaved pondweed (S2), Jefferson/Blue-spotted Salamander Complex (S2), Pied-billed Grebe (S2B), Least Bittern (S1), Sora (S3B), Common Gallinule (S2B), Marsh Wren (S3B), American Eel (S3), Spotted Turtle (S2), Wood Turtle (S3), Blanding's Turtle (S1) and Northern Black Racer (S2).

Further, the Property's importance for wildlife is documented by its inclusion in several conservation plans, including (see Baseline Conservation Plans Map):

- Twenty-four and one-tenths (24.1) acres are within a Conservation Focus Area and ten and six-tenths (10.6) acres are within a Priority Agricultural Resources area in "New Hampshire's Coastal Watershed Conservation Plan - 2021 Update".
- Twenty-one and nine-tenths (21.9) acres are within the Lower Lamprey Prioritized Habitat Block in "Connect The Coast: Linking Wildlife Across New Hampshire's Seacoast and Beyond" (The Nature Conservancy, 2019).
- Eighteen and one-tenths (18.1) acres are within Tier 2 of Conservation Plan for the Blanding's Turtle and Associated Species of Conservation Need in the Northeastern United States (USFWS, 2014)

Water Resources-

The Property has approximately one-thousand two hundred and twenty-one (1,221) feet of frontage along the federally designated Wild and Scenic Lamprey River (see Baseline Water Resources Map and Map Ref. #'s 19-21, 39, 40).

The ARM Fund Documentation Report documented eleven (11) wetlands, ranging from a one and seventenths (1.7) acre forested drainage to three hundredths (0.03) acre vernal pools, totaling four and ninetenths (4.9) acres on the Property. There are four (4) floodplain vernal pools and four (4) other pools all within two hundred (200) feet of the river providing habitat for Blanding's, wood and spotted turtles. A former beaver pond, now a scrub-shrub wetland, extends onto the Property in the southeastern portion of the Property (see Map Ref. # 16). All of the wetlands rank high in Ecological Integrity due to the intact landscape (see Map Ref. #'s 17, 34-36, 38-40).

This portion of the river is influenced by the Wiswall Dam located approximately twelve hundred (1,200) feet down stream which increases the river's flood storage capacity and provides slow moving water for

Grantor Initials: MHDES Initials: CR

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the rare turtle species. Furthermore, there are two intermittent streams on the Property, totaling approximately one-thousand one hundred and fifty (1,150) feet, which connect the pastureland to the Lamprey River (see Map Ref. #'s 42, 43).

The Property includes approximately eleven and six-tenths (11.6) acres of Hydrologic Area of Concern which is upstream of the abutting Durham-UNH Wiswall Reservoir water intake pump house (see Map Ref. # 23). The intake is a critical primary water source for the Durham-UNH Water System, and maintaining the water quality near this intake is of utmost priority to provide safe drinking water to the approximately 16,000 Durham-UNH water users, in addition to the thousands of visitors and staff of the state's largest university. Conserving the Property ensures that water quality is protected from future land use and provides flexibility for future modifications of the Public Water Supply infrastructure.

Forest Resources-

There are approximately twenty-six and one-tenths (26.1) acres of forested uplands on the Property and the productive forest soils are shown on the Baseline Soils Map. The Forest Soils Classifications are as follows:

- Group 1A Forest Soils: 13.0 acres
- Group 1B Forest Soils: 4.5 acres
- Group 1C Forest Soils: 4.7 acres
- Group 2B Forest Soils: 13.9 acres

The forest is a mix of hardwoods and softwoods and is composed of mature pine, oak, beech, hemlock, aspen, ironwood, maple, birch and hickory (see Map Ref. #'s 6-8, 30, 33, 34, 35, 38, 40, 41, 42, 45, 46). There is evidence of a very limited, carefully done timber harvest 30-40 years ago in the southeastern portion of the Property, which appears to have targeted white pine. The southeastern forest is in very good condition, whereas the white pine in the southwestern portion of the Property is of poorer quality, likely due to the soils in this area not as well suited to this species. There is a small area, in the south-central portion of the Property, with dense pine saplings which have likely sprouted after windfall of several trees in that area, creating openings in the forest canopy (see Map Ref. # 47) and there are other areas with downed trees from wind events (see Map Ref. # 46).

The invasive glossy buckthorn and Japanese barberry is well established in the understory in the southern forest and there is multiflora rose and autumn olive in the pasture and along the forest edge (see Map Ref. # 45).

The Grantor may conduct commercial forestry in accordance with the conservation easement terms. Due to specific requirements of the NHDES ARM program, there are specific management restrictions within the 25 and 100 foot Forestry riparian buffer zones, as shown on the Water Resources Buffer Zone Map, and more fully described in the easement deed.

Agricultural Resources-

As shown on the "Baseline Soils Map", the Property contains approximately three (3.0) acres of prime farmland soils, one and one-tenths (1.1) acres of statewide important farmland soils and twenty-three and two-tenths (23.2) acres that are classified as farmland of local importance.

Approximately four and six-tenths (4.6) acres of the approximately five (5.0) acre field in the northern portion of the Property is currently used as pasture for horses stabled on the abutting property (see Map Ref. #'s 6-8, 29). The remaining approximately four-tenths (0.4) acres of the field in the northernmost portion of the Property are used as a mowed field (see Map Ref. #'s 1, 2, 28, 29). The pasture has both

Grantor Initials: The NHDES Initials: SXI

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movable electric fence, more permanent chicken-wire fencing and wooden fence, as described further

Due to the requirements of the NHDES ARM program, the conservation easement limits agricultural uses to the current Agricultural Area (Pasture and Mowed Field), as shown on the Baseline Cover Type Map, and agriculture is prohibited on the remainder of the Property.

Scenic and Recreational Resources-

The Property provides a scenic backdrop with undeveloped forest from its approximately one-thousand two hundred and twenty-one (1,221) feet of frontage along the federally designated Wild and Scenic Lamprey River (see Map Ref. #'s 20, 21).

There is limited access, via old trails, to the interior of the forest from the pasture. The Grantor may maintain the existing trails and may only relocate these or create new trails in accordance with an approval process described in the conservation easement deed.

Cultural, Historical, and/or Archeological Resources-

The Property contains no known cultural, historic, or archeological resources.

Buildings, Structures, Improvements and Disturbances on Property:

This Property contains no known structures, dwellings, towers or barns. Improvements to the Property include woods roads, trails, fences and stone walls, each as consistent with the agricultural, forestry and outdoor recreation uses of the Property.

Buildings, Structures, Improvements-

There are a few improvements to the Property, including woods roads, trails and fences as listed below. Woods road & trail:

- There is an approximately six hundred (600) feet long and approximately ten (10) foot wide woods road on the Property. The road surface is dirt and leaf litter (see Map Ref. # 9). Note that the road appears little used and has several fallen trees across it.
- There is approximately four hundred and seventy (470) feet of an old woods road in the southern portion of the Property. The southern section of the woods road is approximately ten (10) feet wide, whereas the northern section has become overgrown and now appears as an approximately three to four (3-4) foot wide trail which disappears in an area with dense pine saplings (see Map Ref. # 47). The trail surface is dirt and leaf litter and is little used with trees growing in the road/trail bed and fallen trees lying across it.

Note that the woods road and trail were likely connected in the past, but there is an area with dense pine saplings (as noted above in Forest Resources) which obscure the woods road/trail.

Fences:

- There is approximately three hundred and ten (310) feet of an approximately six (6) feet high wooden fence in the northern portion of the Property (see Map Ref. #'s 3, 24-27). Parts of the fence are heavily overgrown.
- There is approximately one thousand eight hundred and fifty-five (1,855) feet of approximately two to three (2-3) feet high electric twine and wire fence along the southern edge of the pasture and along northwestern boundary (see Map Ref. #'s 1, 2, 28, 30, 43). Most of the fence is held with metal fence posts, but there are a few approximately five to six (5-6) feet high wooden fence

Grantor Initials: W NHDES Initials: EST

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Pike Family Revocable Trust of 2021 Easement

posts along the southern edge of the pasture and there are a few of these fenceposts (without fence attached) in the pasture area. Note that the fence is in need of repair in some sections.

• There are approximately three hundred and fifty (350) feet of an old approximately four (4) foot high chicken wire fence near the southern boundary of the pasture. The fence is in bad repair and non-functional (see Map Ref. # 43).

Gate:

• There is an approximately four by eight (4x8) foot overgrown metal gate in the northern portion of the Property (see Map Ref. # 3).

Tree Stands:

- There is an approximately twelve (12) foot high tree stand near the boundary in the southeastern portion of the Property (see Map Ref. #'s 12, 13). It appears little used.
- There are parts of a non-functional tree stand on the ground on the eastern boundary (see Map Ref. # 15).
- There is an approximately fifteen (15) foot high metal tree stand near the boundary in the southeastern portion of the Property (see Map Ref. # 32). It appears little used.
- There is an approximately fifteen (15) foot high metal tree stand near the southern edge of the pasture (see Map Ref. # 44). It appears little used with shrubs growing around it.

Utility lines:

• There are overhead utility lines crossing the northernmost portion of the Property within the Overhead utility & access easement area (see Survey Plan and Map Ref. #'s 2, 28).

Building Envelope Area-

The conservation easement includes a Reserved Right which allows Public Water System improvements to be located within the approximately eight and one-tenth (8.1) acre Building Envelope Area shown on the Baseline Cover Type Map (see Map Ref. #'s 6, 41) and described within the conservation easement deed.

Gravel Pit(s) / Erosion-

While the conservation easement does allow for limited removal of materials such as sand or gravel under specific conditions, as described in the conservation easement deed and with the approval of the Grantee, at this time there are no gravel pits on the Property. Additionally, there were no signs of erosion on the Property.

Farm Dump(s)-

There are two old farm dump areas on the Property. Both of these appear to be from a long time ago as most of the debris is integrated into the forest floor and its removal may cause more disturbance and damage than letting it remain. There are no signs of recent dumping at either site.

- Within the central portion of the Property is an approximately eighty by thirty (80x30) foot area with scattered metal and small glass debris. The larger metal debris consist of very old car parts, metal frames, springs and other pieces of metal (see Map Ref. #31).
- Within the southern portion of the Property is an approximately seventy by twenty (70x20) foot area scattered debris of glass, rusted metal pieces and car parts, 3-4 tires and 2-3 tire tubes (see Map Ref. # 36).

Grantor Initials: Rep NHDES Initials: GRAN

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Conservation Easement Baseline Documentation and Acknowledgement of Property Condition Pike Family Revocable Trust of 2021 Easement

Other conditions Pre-existing the Conservation Easement-

In the northern portion of the Properties is an approximately twenty (20) foot by twenty (20) foot area with scattered, rotting firewood (see Map Ref. # 29).

Condition of Boundaries & Access:

The Property's boundary is observed to be as depicted on the survey plan and Cover Type map. Since the boundary is primarily stone walls, river or open, the boundary was not blazed. There are remnants of non-functional barbed wire and wire fencing along the northwestern stone wall boundary.

The Property can be accessed via Packers Falls Rd, parking either along Packers Falls Rd or at the Town's Thompson Forest (Town of Durham #1 CE) parking area on Wednesday Hill Rd.

Attachments:

- 1. USGS topographic map, showing approximate Property lines and nearby conservation lands
- 2. Aerial photograph, showing approximate Property lines
- 3. Soils map, showing approximate Property lines and soils of significance to the Property's protection
- 4. Water resources map, showing Property's surface waters, wetlands, floodplain and Water Supply Intake Protection Area
- 5. Water resources Buffer Zones map, showing buffer zones around wetlands
- 6. Wildlife habitat quality map, based on New Hampshire Wildlife Action Plan data (2020)
- 7. Conservation Plans map, showing "Blanding's Turtle Conservation Plan" and "NH Coastal Conservation Plan" Priority Agricultural Resources and Focus Areas
- 8. Land cover type map, showing Property's current uses and natural and disturbed land cover, key features, structures and improvements, boundaries, and approximate photograph locations and perspectives
- 9. Photographs, numbered to correspond with locations on land cover type map, and showing resources protected, structures and improvements, and other Property features
- 10. Copy of the recorded survey
- 11. NHB Report dated August 16th, 2021
- 12. By reference but not attached, Phase 1 Environmental Assessment Report dated May 31st, 2022
- 13. By reference but not attached, ARM Wetland Functions and Values Report dated August, 2021

Three (3) signature pages and eleven (11) attachments follow.

Grantor Initials: Of NHDES Initials: Of NHDES

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Signature Pages

In compliance with Section 1.170A-14(g)(5) of the federal tax regulations, the undersigned accept and acknowledge that the foregoing description of natural resources and other features, together with its attachments, is an accurate representation of the Property at the time of the conservation easement conveyance. The Grantor further certifies that if any of the documentation (information, exhibits, or photographs) was prepared in advance of the closing and date of execution of the conservation easement, the condition of the Property as depicted in this Report has not materially changed since the date of documentation. The Grantor and Grantee accept and acknowledge that the entirety of this Report is intended to aid in the enforcement of the conservation easement.

Grantor, Bonnie Pike,

Trustee of The Pike Family Revocable Trust of 2021

7/13/23

Date

STATE OF NEW HAMPSHIRE COUNTY OF STRAFFORD ss.

On this day of day, 2023, before me personally appeared Bonnie Pike, Trustee of The Pike Family Revocable Trust of 2021, known to me, or satisfactorily proven, to be the person whose name is subscribed to the foregoing instrument, and acknowledged that she signed the same as her voluntary act and deed for the purposes therein contained.

Notary Public/Justice of the Peace

My Commission Expires:

Conservation Easement Baseline Documentation and Acknowledgement of Property Condition Pike Family Revocable Trust of 2021 Easement

Mus	05/18/2023
Grantee, for the Southeast Land Trust of N Brian Hart, Executive Director	H: Date
STATE OF NEW HAMPSHIRE COUNTY OF ROCKINGHAM, ss.	
satisfactorily proven to be the perso	before me personally appeared Brian Hart , known to me, or n whose name is subscribed to the foregoing instrument, and he as her voluntary act and deed for the purposes therein
Beverly A Shadley NOTARY PUBLIC State of New Hampshire My Commission Expires 3/3/2026	Notary Public/Justice of the Peace My Commission Expires: 3/3/24

Conservation Easement Baseline Documentation and Acknowledgement of Property Condition

Pike Family Revocable Trust of 2021 Easement

In compliance with Section 1.170A-14(g)(5) of the federal tax regulations, the undersigned states that, to the best of his knowledge, the foregoing description of natural resources and other features, together with its attachments, is an accurate representation of the Property at the time of the conservation easement conveyance; that he has no evidence contradicting the foregoing description, and that he is relying on the knowledge and expertise of the Preparer in accepting and acknowledging this description.

Robert R. Scott, Commissioner of the New Hampshire Department of Environmental Services hereby authorizes Emily Nichols to initial the pages of this Baseline Documentation Report on his behalf.

Thirt Party Holder, for the State of New Hampshire Robert R. Scott, Department of Environmental Services Date

6/29/23

STATE OF NEW HAMPSHIRE

COUNTY OF MERRIMACIC, ss.

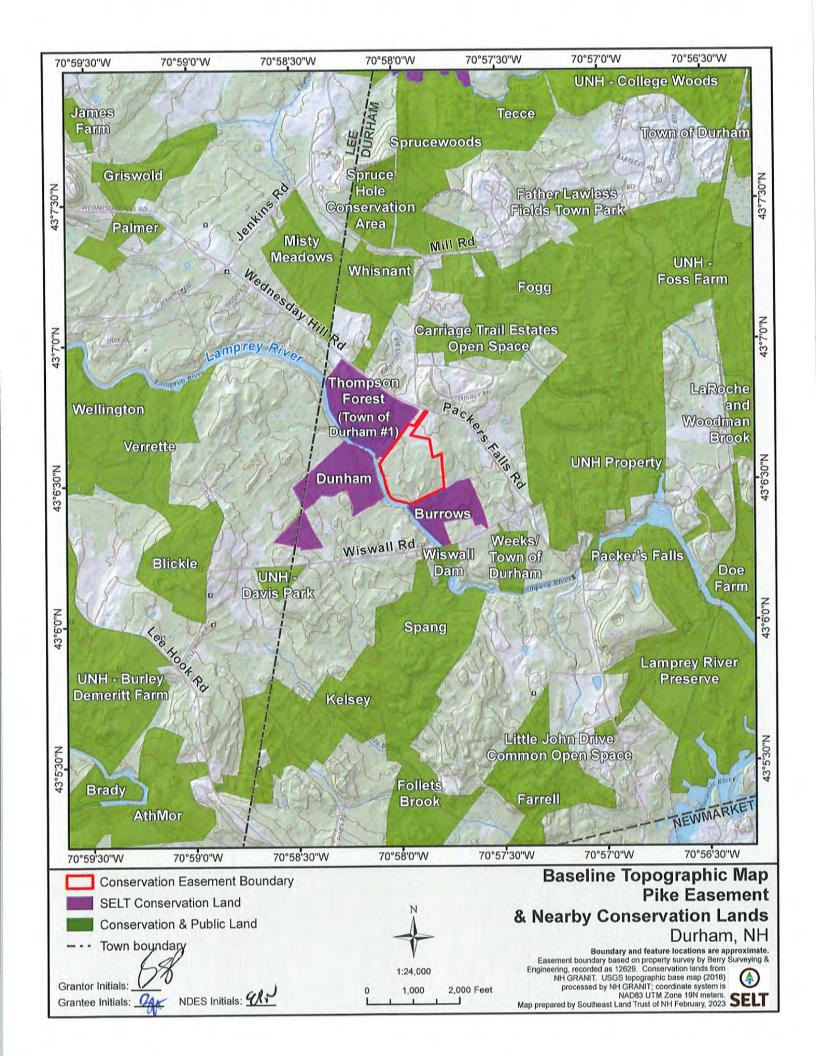
On this 29 day of June, 2023, before me personally appeared Robert R. Scott, known to me, or satisfactorily proven, to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he signed the same as his voluntary act and deed for the purposes therein contained.

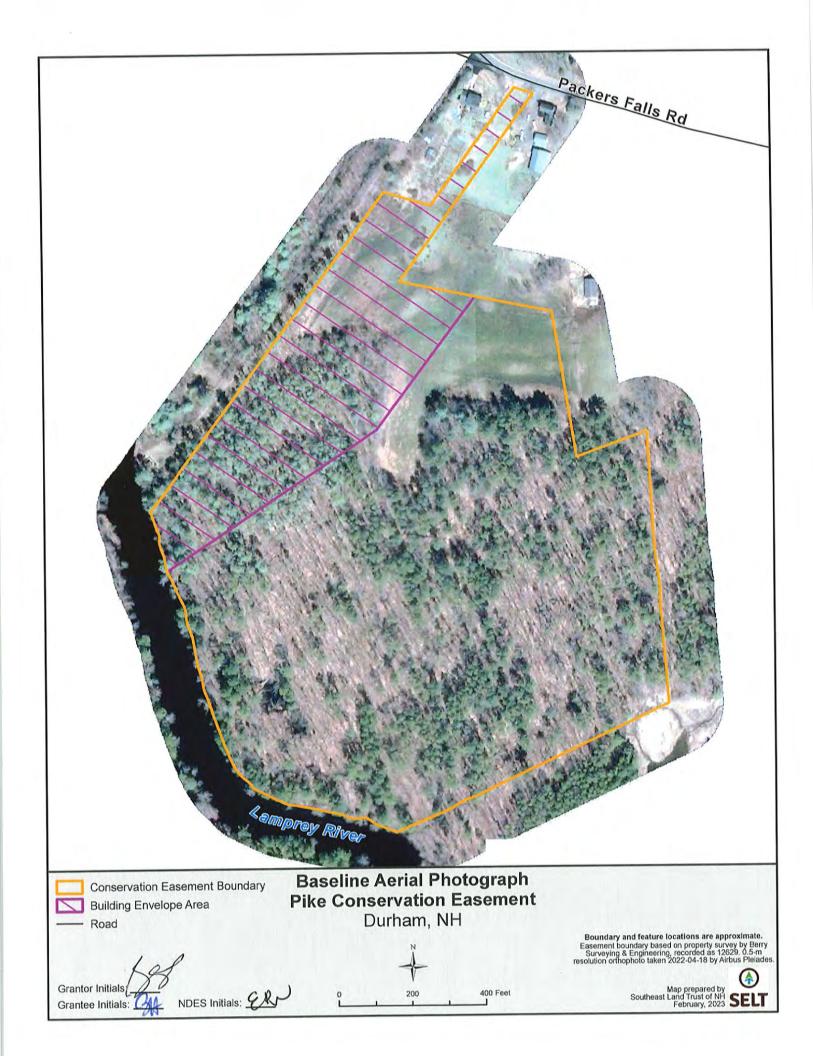
> Notary Public/Justice of the Peace My Commission Expires: 7-14

> > Notary Public - New Hampshir My Commission E

Conservation Easement Baseline Documentation and Acknowledgement of Property Condition Pike Family Revocable Trust of 2021 Easement

The **Natural Resources Conservation Service (NRCS)** through the Regional Conservation Partnership Program is prohibited by policy from signing baseline reports. Thus, the NRCS signature line has been intentionally excluded from this Baseline Documentation Report, and furthermore, there are no initials by an authorized NRCS official at the bottom of each page of this Baseline.

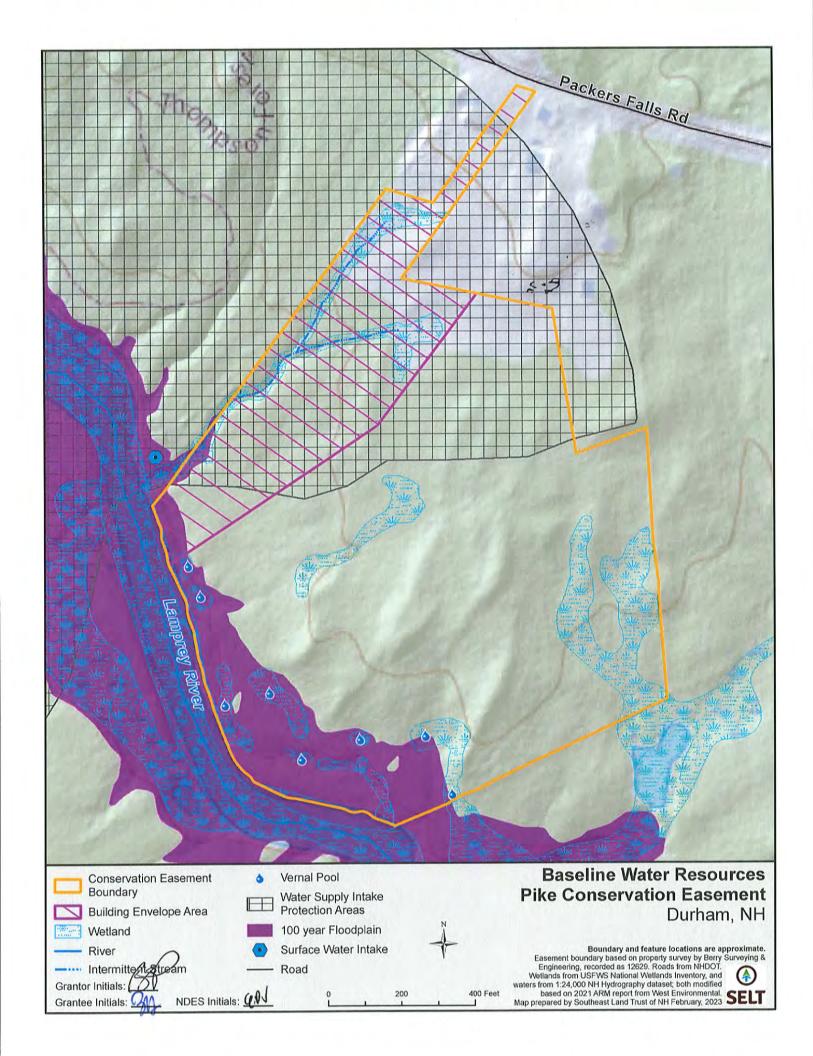


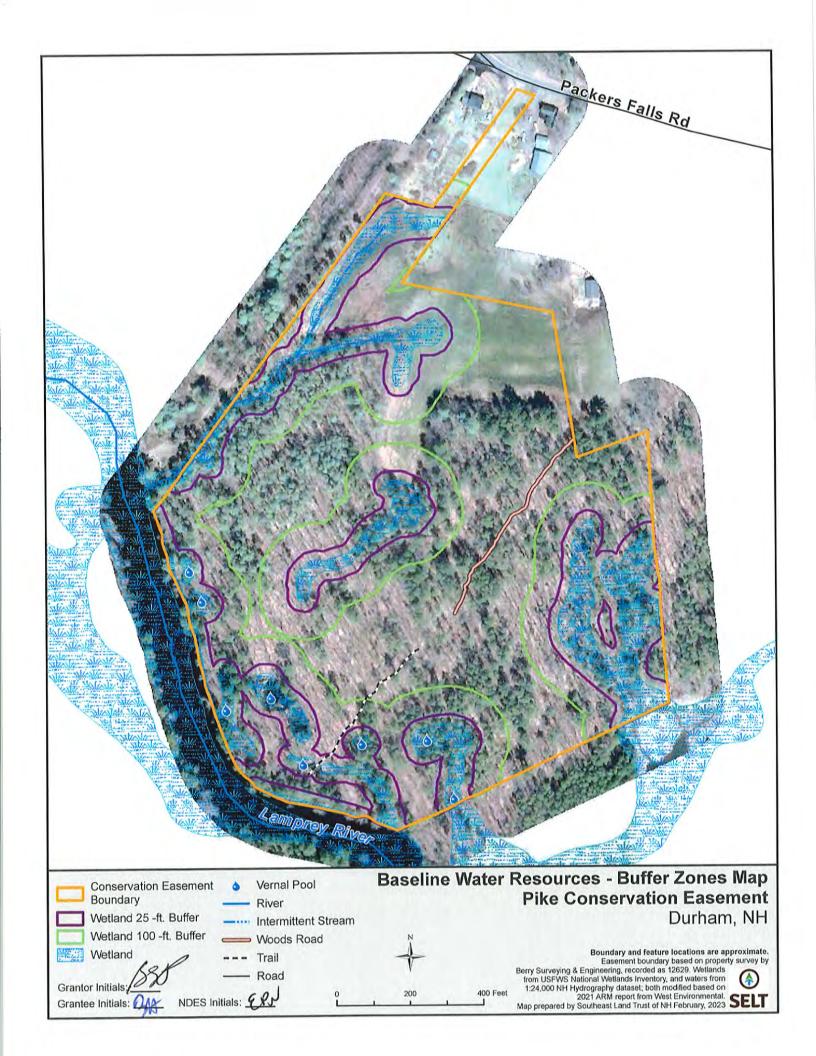


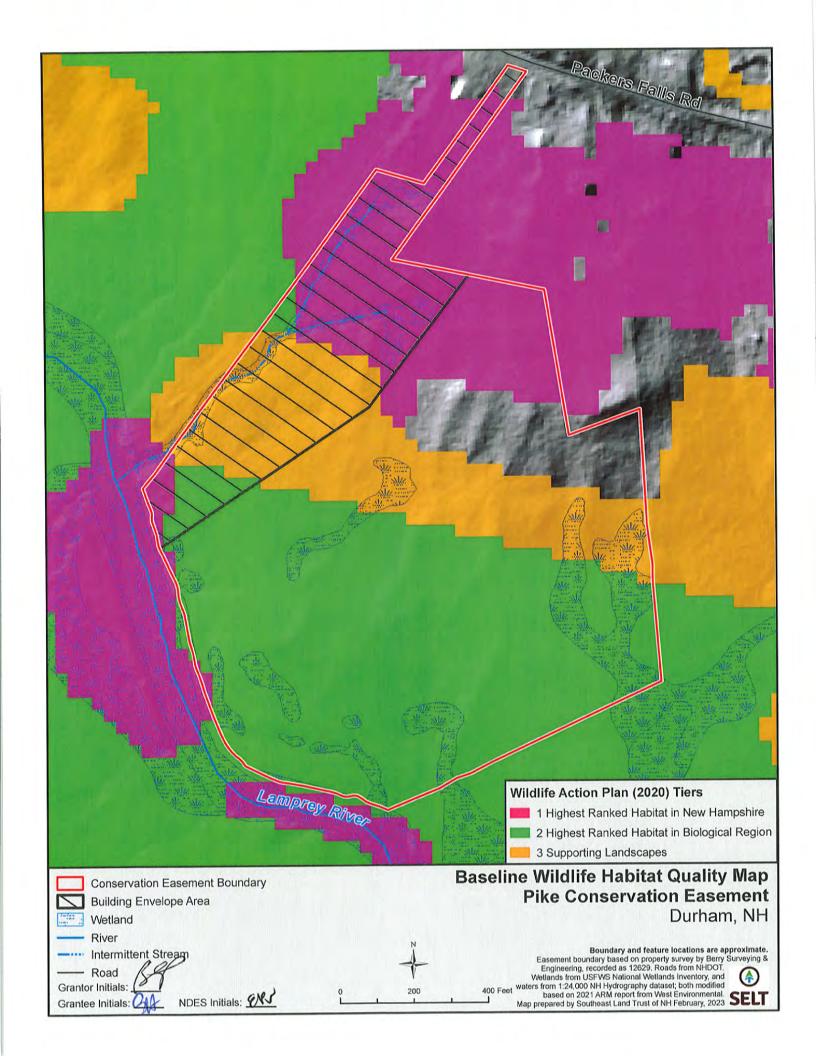
Packers Falls Rd Strafford Soils -- In Descending Order of Predominance Type, Forest & Farmland Classification CsC; Charlton very stony fine sandy loam, 8 to 15 percent slopes; Not prime farmland; Forest Class IA ScB; Scantic silt loam, 3 to 8 percent slopes; Farmland of local importance; Forest Class WdB; Windsor loamy sand, 3 to 8 percent slopes; Farmland of local importance; Forest Class IC Sw/A WfB SwA; Swanton fine sandy loam, 0 to 3 percent slopes; Farmland of local importance; Forest Class ScA Sk; Suncook loamy sand; Farmland of local importance; CsB Forest Class IB WdB ScA; Scantic silt loam, 0 to 3 ScB percent slopes; Farmland of local importance; Forest Class CsB; Charlton very stony fine sandy loam, 3 to 8 percent slopes; ;Farmland of local CSC importance: Forest Class IA EaB; Elmwood fine sandy loam, 3 to 8 percent slopes; ;All areas EaB are prime farmland; Forest Class GIB; Gloucester fine sandy loam, 3 to 8 percent slopes; armland of statewide importance; Forest Class IB BzB; Buxton silt loam, 3 to 8 percent slopes; ;All areas are prime farmland; Forest Class IB WfB; Windsor loamy fine sand, clay subsoil variant, 0 to 8 percent slopes; ;All areas are prime farmland; Forest Class IA Conservation Easement Boundary **Baseline Soils Map Pike Conservation Easement Building Envelope Area** Wetland Durham, NH Boundary and feature locations are approximate.

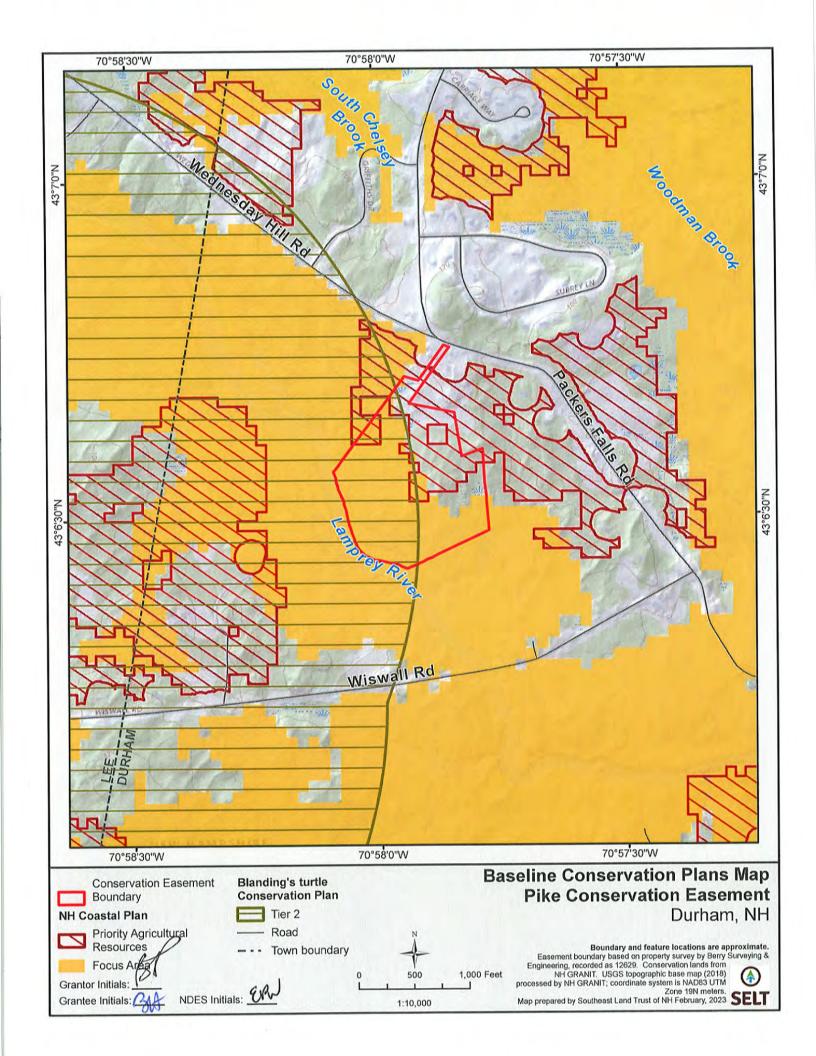
Easement boundary based on property survey by Berry Surveying & Engineering, recorded as 12629. Roads from NHDOT. Water features from 1:24,000 NH Hydrography dataset and Wellands from USFWS National Wetlands Inventory both modified based on 2021 ARM report from West Environmental. Soils data from USDA 1:24,000 Soil Survey Geographic (SSURGO).

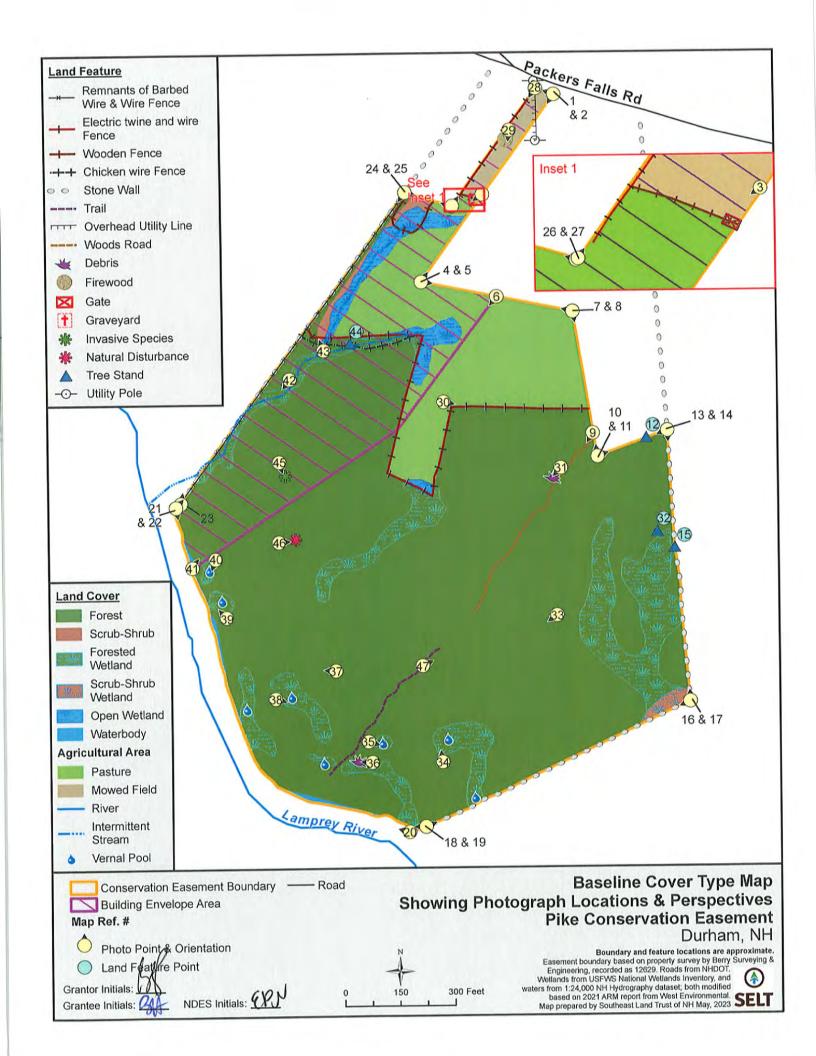
Map prepared by Southeast Land Trust of NH February, 2023 River ··· Intermittent Stream Road Grantor Initials: NDES Initials: W 200 Grantee Initials: (24)













Map Ref.: 1 Date: 12/6/2022
File Name: Photo: 1
photo_Pike_2022-12-06_(1)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 288
Latitude: 43.112551
Longitude: -70.964183

Description:

Standing at iron rod corner, looking northwest approx. along boundary with Property in left side of frame. Note person in center frame is at next corner and silver capped iron rod is flush with ground at base of wooden stake in bottom center frame. Also note that the utility pole is outside Property and overhead wires crossing over the Property just outside top of frame. Also note open field in left side of frame and approx. 2 -ft. high electric wire fence to the left from person in center frame



Map Ref.: 2 Date: 12/6/2022
File Name: Photo: 2
photo_Pike_2022-12-06_(2)
Photographer: Shaun Dillon
Location Method:

GPS/Survey interpretation
Orientation(°): 213
Latitude: 43.112541
Longitude: -70.964159
Description:

Standing at iron rod corner, looking southwest approx. along boundary with Property in right side of frame. Note person in center frame is at boundary stake and silver capped iron rod is flush with ground at base of wooden stake in bottom center frame. Also note open field in right side of frame and overhead wires crossing over Property in top right side of frame and approx. 2 -ft. high electric wire fence along the boundary in far right side of frame.

Photos Taken By: Shayo Dillon

Grantor Initials

Grantee Initials

NHDES Initials GXN

All GPS points located with ESRI Collector app on Samsung Galaxy Tab A
All photographs taken with Samsung Galaxy Tab A
All directions are relative to NH Grid North per survey plan of record

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Map Ref.: 3 Date: 12/6/2022 File Name: Photo: 3 photo_Pike_2022-12-06_(3) Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 235 Latitude: 43.111821 Longitude: -70.964906 Description:

Standing near eastern boundary, looking southwest into Property. Note person in center frame is at boundary stake. Note approx. 6 -ft. high wooden fence with electric wires in right side of frame and approx. 4x8 -ft. overgrown metal gate in center frame. Also note open field with some shrubs in center frame.



Date: 12/6/2022 Map Ref.: 4 File Name: Photo: 4

photo_Pike_2022-12-06_(4)

Photographer: Shaun Dillon

Location Method: GPS/Survey interpretation Orientation(°): 35 Latitude: 43.11113 Longitude: -70.965591

Description:

Standing at iron rod corner, looking northeast approx. along boundary with Property in left side of frame. Note silver capped iron rod in bottom center frame and open field with some shrubs in left side of frame.

Photos Taken By; Shaun Dillon

NHDES Initials GNV

Grantor Initials

Grantee Initials

All GPS points located with ESRI Collector app on Samsung Galaxy Tab A All photographs taken with Samsung Galaxy Tab A All directions are relative to NH Grid North per survey plan of record

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Map Ref.: 5 Date: 12/6/2022
File Name: Photo: 5
photo_Pike_2022-12-06_(5)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 98
Latitude: 43.111152
Longitude: -70.96556

Description:

Standing at iron rod corner, looking east approx. along boundary with Property in right side of frame. Note open field with some shrubs in right side of frame.



Map Ref.: 6 Date: 12/6/2022 File Name: Photo: 10 photo_Pike_2022-12-06_(10)

Photographer: Shaun Dillon Location Method:

GPS

Orientation(°): 217 Latitude: 43.111048 Longitude: -70.9648

Description:

Standing approx. at corner of Building Envelope Area, looking southwest approx. along boundary with Building Envelope Area in right side of frame. Note open pasture in foreground and background of mature forest with oak, hickory, pine and hemlock. Note person in center frame is approx. at next corner of Building Envelope Area.

Photos Taken By: Shaum Dillon

Grantor Initials

Grantee Initials

NHDES Initials GP

All GPS points located with ESRI Collector app on Samsung Galaxy Tab A
All photographs taken with Samsung Galaxy Tab A
All directions are relative to NH Grid North per survey plan of record

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Date: 12/6/2022 Map Ref.: 7 File Name: Photo: 11 photo_Pike_2022-12-06_(11) Photographer: Shaun Dillon **Location Method:** GPS/Survey interpretation Orientation(°): 282 Latitude: 43.111009 Longitude: -70.963967

Description:

Standing at iron rod corner, looking approx. along boundary with Property in left side of frame. Note silver capped iron rod in bottom center frame and open pasture with forest backdrop in left side of fame.



Date: 12/6/2022 Map Ref.: 8 File Name: Photo: 12 photo_Pike_2022-12-06_(12)

Photographer: Shaun Dillon

Location Method: GPS/Survey interpretation Orientation(°): 170 Latitude: 43.110936 Longitude: -70.964039

Description:

Standing at iron rod corner, looking southeast approx. along boundary with Property in right side of frame. Note silver capped iron rod in bottom center frame and open pasture with forest backdrop in center frame.

Photos Taken By: Shaun Dillon

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Map Ref.: 9 Date: 12/6/2022
File Name: Photo: 8
photo_Pike_2022-12-06_(8)
Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 213 Latitude: 43.110073 Longitude: -70.963904

Description:

Standing near eastern boundary, looking southwest at approx. 10 -ft. wide dirt old woods road which appears very little used. Note very old rusted car part in center right side of frame which appears to be from a long time ago and is integrated into the forest floor.



Map Ref.: 10 Date: 12/6/2022 File Name: Photo: 13

photo_Pike_2022-12-06_(13)

Photographer: Shaun Dillon

Location Method: GPS/Survey interpretation Orientation(°): 351 Latitude: 43.109892 Longitude: -70.963829

Description:

Standing at iron rod corner, looking northwest approx. along boundary with Property in left side of frame. Note orange capped iron rod in bottom center frame.

Photos Taken By: Shayn Dillon

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Map Ref.: 11 Date: 12/6/2022
File Name: Photo: 14
photo_Pike_2022-12-06_(14)
Photographer: Shaun Dillon
Location Method:
GPS/Survey Interpretation
Orientation(°): 70
Latitude: 43.10993
Longitude: -70.963769

Standing at iron rod corner, looking northeast approx. along boundary with Property in right side of frame.

Description:



Map Ref.: 13 Date: 12/6/2022

File Name: Photo: 15 photo_Pike_2022-12-06_(15)

Photographer: Shaun Dillon

Location Method: GPS/Survey interpretation Orientation(°): 249 Latitude: 43.110033 Longitude: -70.963073

Description:

Standing at iron rod corner, looking southwest approx. along boundary with Property in left side of frame. Note posted sign in center-left of frame and tree stand on tree to the right of tree with posted sign. Also note white capped iron rod in bottom center frame and stone wall boundary in lower frame.

Photos Taken By: Shaun Ollon

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Map Ref.: 14 Date: 12/6/2022
File Name: Photo: 16
photo_Pike_2022-12-06_(16)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 177
Latitude: 43.110028
Longitude: -70.963028
Description:

Standing at iron rod corner, looking south along stone wall boundary with Property in right side of frame. Note white capped iron rod in bottom center frame.



Map Ref.: 16 Date: 12/6/2022
File Name: Photo: 17
photo_Pike_2022-12-06_(17)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation

Orientation(°): 357 Latitude: 43.108053 Longitude: -70.962915 Description:

Standing at drill hole corner, looking north along stone wall boundary with Property in left side of frame. Note faintly painted drill hole is in stone in bottom center frame. A former beaver pond, now a scrub-shrub wetland, is predominantly on the abutting property and extends partially onto the Property.

Photos Taken By: Shaun Dillon

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Map Ref.: 17 Date: 12/6/2022
File Name: Photo: 18
photo_Pike_2022-12-06_(18)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 243
Latitude: 43.107954
Longitude: -70.962862

Description:

Standing at drill hole corner, looking southwest along stone wall boundary with Property in right side of frame. Note faintly painted drill hole is in stone in bottom center frame. Also note wetland on both sides of stone wall in center frame which is a former beaver pond and is now a scrub-shrub wetland.



Map Ref.: 18 Date: 12/6/2022
File Name: Photo: 20
photo_Pike_2022-12-06_(20)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 67
Latitude: 43.107149
Longitude: -70.965605
Description:

Standing at iron rod, looking northeast along stone wall boundary with Property in left side of frame. Note silver capped iron rod is just behind photo point.

Photos Taken By: Shaun Dillon

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Map Ref.: 19 Date: 12/6/2022
File Name: Photo: 21
photo_Pike_2022-12-06_(21)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 270
Latitude: 43.107092
Longitude: -70.965654
Description:

Standing at Iron rod, looking west into Property. Note stone wall boundary in lower right corner and silver capped iron rod in bottom frame. Note boundary continues from stone wall to the edge of the Lamprey River in far left side of frame (see Survey plan for details).



Map Ref.: 20 Date: 12/6/2022 File Name: Photo: 22

photo_Pike_2022-12-06_(22)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 285 Latitude: 43.107056 Longitude: -70.965807

Description:

Standing at edge of Lamprey River near the southernmost corner of the Property, looking northwest at scenic view of Property in right side of frame.

Photos Taken By: Shavin Dillon

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Map Ref.: 21 Date: 12/6/2022
File Name: Photo: 27
photo_Pike_2022-12-06_(27)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 169
Latitude: 43.109519
Longitude: -70.968161
Description:

Standing at drill hole, looking southeast at boundary following bank of Lamprey River. Note faintly painted drill hole is on rock with moss in bottom center frame and that boundary continues from stone wall to the bank of the Lamprey River in right side of frame (see Survey for details). Also note scenic view of Property from the Lamprey River in right side of frame. Note good forest buffer to Lamprey River



Map Ref.: 22 Date: 12/6/2022
File Name: Photo: 28
photo_Pike_2022-12-06_(28)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 42
Latitude: 43.109549
Longitude: -70.968107

Description:

Standing at drill hole, looking northeast along stone wall boundary with Property in right side of frame. Note pumphouse for Durham-UNH Water Supply intake from the Lamprey River is just outside left side of frame and is outside Property.

Photos Taken By: Shaun Dillon

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Map Ref.: 23 Date: 1/11/2023 File Name: Photo: 38 photo_Pike_2023-01-11_(38) Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 10 Latitude: 43.109529 Longitude: -70.968075

Description:

Standing near southwestern corner of Property, looking northerly at stone wall boundary in center frame with Property on right side of stone wall. Note pumphouse for Durham-UNH Water Supply intake from the Lamprey River in left center frame.



Map Ref.: 24 Date: 12/6/2022 File Name: Photo: 31

photo_Pike_2022-12-06_(31)

Photographer: Shaun Dillon

Location Method:
GPS/Survey interpretation
Orientation(°): 216
Latitude: 43.111896
Longitude: -70.965713

Description:

Standing at drill hole corner, looking southwest along stone wall boundary with Property in left side of frame. Note orange painted drill hole in bottom center frame and overgrown approx. 6 -ft. high wooden fence in left side of frame. Also note access road in right side of frame is outside Property on abutting Thompson Forest (Town of Durham #1).

Photos Taken By: Shaun Dillon

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Map Ref.: 25 Date: 12/6/2022
File Name: Photo: 32
photo_Pike_2022-12-06_(32)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation

GPS/Survey interpretation
Orientation(°): 108
Latitude: 43.11183
Longitude: -70.965706
Description:

Standing at drill hole corner, looking southeast approx. along boundary with Property in right side of frame. Note orange painted drill hole in bottom center frame and overgrown approx. 6 -ft. high wooden fence crossing into Property in center frame.



Map Ref.: 26 Date: 4/28/2023 File Name: Photo: 204

photo_Pike_4/28/2023_(204)

Photographer: Shaun Dillon

Location Method: GPS/Survey interpretation Orientation(°): 287 Latitude: 43.111679 Longitude: -70.965179

Description:

Standing at iron rod corner, looking northwest approx. along boundary with Property in left side of frame. Note red capped iron rod in bottom center frame and overgrown approx. 6 -ft. high wooden fence in left side of frame.

Photos Taken By: Shaun Dillon

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Map Ref.: 27 Date: 4/28/2023
File Name: Photo: 205
photo_Pike_4/28/2023_(205)
Photographer: Shaun Dillon
Location Method:
GPS/Survey interpretation
Orientation(°): 35
Latitude: 43.111712
Longitude: -70.965283

Description:

Standing at iron rod corner, looking northeast approx. along boundary with Property in right side of frame. Note line of small white flags in center frame indicates buried 'invisible fence' on abutting property which reaches close to the boundary. Also note approx. 6 -ft. high wooden fence in right side of frame.



Map Ref.: 28 Date: 12/6/2022 File Name: Photo: 36

photo_Pike_2022-12-06_(36)

Photographer: Shaun Dillon

Location Method: GPS/Survey interpretation Orientation(°): 215 Latitude: 43.112607 Longitude: -70.964381

Description:

Standing at iron rod corner, looking southwest approx. along boundary with Property in left side of frame. Note red capped iron rod is flush with ground where flagging reaches the ground in bottom center frame. Also note open field in foreground and approx. 2 -ft. high electric wire fence along boundary in center frame and overhead utility wires crossing over Property in top left corner.

Photos Taken By: Shan Dillon

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Map Ref.: 29 Date: 12/6/2022 File Name: Photo: 35 photo_Pike_2022-12-06_(35) Photographer: Shaun Dillon Location Method:

GPS

Orientation(°): 186 Latitude: 43.112266 Longitude: -70.964653

Description:

Standing within northern portion of Property, looking south at approx. 20x20 -ft. area of old rotting fire-wood pile. Note stake in left side of frame is boundary marker. Also note open field in foreground and pasture with some shrubs in center frame.



Map Ref.: 30 Date: 12/6/2022

File Name: Photo: 6 photo_Pike_2022-12-06_(6)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 100 Latitude: 43.110329 Longitude: -70.965317

Description:

Standing within central portion of Property, looking southeast at edge of field. Note there is electrical wire fence along edge of field which is difficult to discern in photo. Also note representative mature forest with pine, oak, beech, hemlock and hickory in right side of frame.

Photos Taken By; Shaun Dillon

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Map Ref.: 31 Date: 12/6/2022 File Name: Photo: 7

photo_Pike_2022-12-06_(7)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 223 Latitude: 43.109731 Longitude: -70.964139

Description:

Standing within central portion of Property, looking southwest at approx. 80x30 -ft. area with scattered metal and small glass debris that appears to be from a long time ago and is integrated into the forest floor. The larger metal debris consist of very old car parts, metal frames, springs and other pieces of metal.



Map Ref.: 33 Date: 12/6/2022

File Name: Photo: 9 photo_Pike_2022-12-06_(9)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 236 Latitude: 43.108652 Longitude: -70.964262

Description:

Standing within southeastern portion of Property, looking southwest at representative mature forest with an overstory of hickory, oak, aspen and pine and some small pine regrowth.

Photos Taken By: Shaup Dillon

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Map Ref.: 34 Date: 12/6/2022
File Name: Photo: 19
photo_Pike_2022-12-06_(19)
Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 352 Latitude: 43.107575 Longitude: -70.965525

Description:

Standing within southern portion of Property, looking northwest at almost dry vernal pool with good forest buffer of predominantly mature hickory, oak, maple, birch, hemlock and pine.



Map Ref.: 35 Date: 1/11/2023

File Name: Photo: 41 photo_Pike_2023-01-11_(41)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 106 Latitude: 43.107713 Longitude: -70.966103

Description:

Standing within southern portion of Property, looking southeast at vernal pool with good forest buffer.

Photos Taken By: Shaun Dillon

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Map Ref.: 36 Date: 12/6/2022
File Name: Photo: 23
photo_Pike_2022-12-06_(23)
Photographer: Shaun Dillon
Location Method:

GPS

Orientation(°): 273 Latitude: 43.107534 Longitude: -70.96618 Description:

Standing within southern portion of Property, looking west at approx. 70x20 -ft. area along edge of wetland with scattered debris of glass, rusted metal pieces and car parts, 3-4 tires and 2-3 tire tubes. This is an old area of debris and is integrated into the forest floor. Note wetland in left side of frame with good forest buffer.



Map Ref.: 37 Date: 12/6/2022

File Name: Photo: 24 photo_Pike_2022-12-06_(24)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 273 Latitude: 43.108265 Longitude: -70.966529

Description:

Standing within southern portion of Property, looking west at representative mature forest of pine, oak, beech and ironwood.

Photos Taken By: Shaun Dillon

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Map Ref.: 38 Date: 1/11/2023 File Name: Photo: 40 photo_Pike_2023-01-11_(40) Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 105 Latitude: 43.108065 Longitude: -70.967145 Description:

Standing within southern portion of Property, looking southeast at vernal pool with good forest buffer.



Map Ref.: 39 Date: 12/6/2022 File Name: Photo: 25

photo_Pike_2022-12-06_(25)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 317 Latitude: 43.108677 Longitude: -70.967736

Description:

Standing within western portion of Property, looking northwest at dry vernal pool which appears to connect with the Lamprey River in left side of frame at high water levels.

Photos Taken By: Shaun Dillon

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Map Ref.: 40 Date: 1/11/2023 File Name: Photo: 39 photo_Pike_2023-01-11_(39)

Photographer: Shaun Dillon Location Method:

GPS

Orientation(°): 200 Latitude: 43.109039 Longitude: -70.967839

Description:

Standing in western portion of Property, looking southwest at vernal pool with good forest buffer which is connected with the Lamprey River, in the background, at high water levels.



Map Ref.: 41 Date: 12/6/2022

File Name: Photo: 26 photo_Pike_2022-12-06_(26)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 35 Latitude: 43.109069 Longitude: -70.967972

Description:

Standing approx. at Building Envelope Area corner, looking northeast approx. along boundary with Building Envelope Area in left side of frame. Note representative mature forest with pine, hemlock, oak, beech and birch.

Photos Taken By: Shaun Dillon

Grantor Initials

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Map Ref.: 42 Date: 1/11/2023 File Name: Photo: 37 photo_Pike_2023-01-11_(37) Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 218 Latitude: 43.11044 Longitude: -70.966941

Description:

Standing within the Property near the northwestern boundary, looking southwest at intermittent stream with good forest buffer.



Map Ref.: 43 Date: 12/6/2022

File Name: Photo: 30 photo_Pike_2022-12-06_(30)

Photographer: Shaun Dillon

Location Method:

GPS

Orientation(°): 340 Latitude: 43.110701 Longitude: -70.96665

Description:

Standing within the Property near the northwestern boundary, looking northwest at approx. 4 -ft. high chicken wire fence in poor condition in foreground and approx. 6 -ft. high wood fencepost with electric wire fence in background. Note, currently dry, intermittent stream in lower right side of frame.

Photos Taken By, Shann Dillon

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Map Ref.: 45 Date: 4/28/2023 File Name: Photo: 200 photo_Pike_4/28/2023_(200)

Photographer: Shaun Dillon Location Method:

GPS

Orientation(°): 162 Latitude: 43.109828 Longitude: -70.967063 Description:

Standing within the western portion of Property, looking southeast at representative mature forest of predominantly pine and some beech and maple. Note there is fairly large infestation of the invasive Japanese barberry in this area.



Map Ref.: 46 Date: 4/28/2023 File Name: Photo: 201

photo_Pike_4/28/2023_(201)

Photographer: Shaun Dillon Location Method:

CDC

Orientation(°): 85 Latitude: 43.10923 Longitude: -70.96708

Description:
Standing within the western portion of Property, looking east at area with several downed trees, likely from a wind event. Also note representative mature forest of pine, maple, hemlock and hickory.

Photos Taken By: Shagh Dillon

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Map Ref.: 47 Date: 4/28/2023 File Name: Photo: 202 photo_Pike_4/28/2023_(202)

Photographer: Shaun Dillon Location Method:

GPS

Orientation(°): 65 Latitude: 43.108293 Longitude: -70.965643 Description:

Standing within the south-central portion of Property, looking northeast at woods road/trail. South of the photopoint the woods road/trail is wider, up to approx. 10 -ft. wide, but the northern portion has become overgrown and becomes more of an approx. 3-4 -ft. wide trail before

disappearing completely in the dense growth of pine saplings in center frame.

Photos Taken By: Shaun Dillon

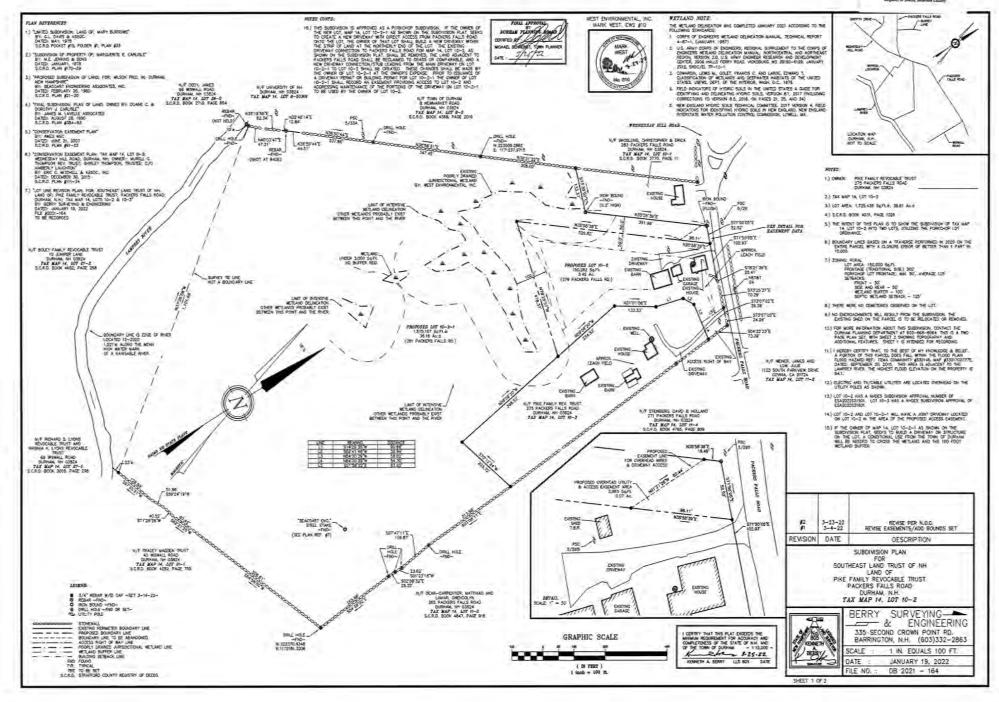
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New Hampshire Natural Heritage Bureau

DNCR - Division of Forests & Lands 172 Pembroke Road, Concord, NH 03301 Phone: (603) 271-2214 Fax: (603) 271-6488

To: Shaun Dillon

Southeast Land Trust

6 Center Street, PO Box 675

Exeter, NH 03833

From: NH Natural Heritage Bureau

Date: 2021-08-16

Re: Review by NH Natural Heritage Bureau of request dated 2021-08-06

NHB File ID: 3705
Project type: Landowner Request

Town: Durham, NH Location: 14-10-2; Alice M. & Wilson S. Pike

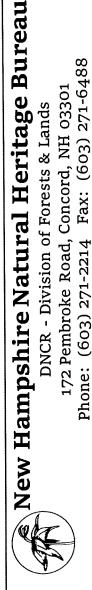
We have searched our database for records of rare species and exemplary natural communities on the property(s) identified in your request. Our database includes known records for species officially listed as Threatened or Endangered by either the state of New Hampshire or the federal government, as well as species and natural communities judged by experts to be at risk in New Hamps hire but not yet formally listed.

NHB records on the property(s): None

NHB records within one mile of the property(s):

Natural Community Kettle hole bog system					
Kettle hole bog system Plant Spacies	-	Federal	NH	Global	State
Plant Craoise	1996	-	1	GNR	SZ
I fault Species	. N	Federal	HN	Global	State
crested sedge - Carex cristatella	2004	1	Щ	છ	SI
long-leaved pondweed - Potamogeton nodosus	2004	1	T	ß	S2
Vertebrate Species		Federal	NH	Global	State
Jefferson/Blue-spotted Salarrander Complex - Ambystomapop. 3	2014	l	ı	Œ	S2
Pied-billed Grebe - Podilymbus podiceps	2016	1	T	ß	SZB
Least Bittem - <i>Ixobrychus exilis</i>	2014	1	SC	Š	S1B
Sora - Porzana carolina	2013	I	SC	GS	S3B

NOTE: This review cannot be used to satisfy a permit or other regulatory requirement to check for rare species or habitats that could be affected by a proposed project, since it provides detailed information only for records actually on the property.



- Address - Addr					
Common Gallinule - Gallinula galeata	2006	1	SC	හ	S2B
Marsh Wren-Cistothorus palustris	2020	ı	1	SS	S3B
A merican Fel - Anouilla rostrata	2010	1	SC	장	S3
Spotted Turtle - Clemmy guttafa	2021		T	SS	S2
Wood Turtle - Gluntemis insculnta	2003		sc	ප	ES
Blandino's Turtle - Emidoiden blandinoii	2015	1	田	ফ্র	S1
Northern Black Bacer - Colubra constrictor constrictor	2013		T	T5	S2
100 HIGH DROWINGS CONTINUES CONTINUES					

G = Global, S = State, T = Global or state rank for a sub-species or variety (taxon) 1-5 = Most (1) to least (5) imperiled. "--", U, NR = Not ranked, B = Breeding population, N = Non-breeding. H = Historical, X = Extirpated E = Endangered SC = Special Concern S = State, T = Global or state ran T = Threatened, Listing codes: Rank prefix:

A negative result (no record in our database) does not mean that no rare species are present. Our data can only tell you of known occurrences, based on info mation gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-Rank suffix:

site survey would provide better information on what species and communities are indeed present.

NOTE: This review cannot be used to satisfy a permit or other regulatory requirement to check for rare species or habitats that could be affected by a proposed project, since it provides detailed information only for records actually on the property.

