



**US Army Corps
of Engineers** [®]
New England District
696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Comment Period Begins: September 13, 2016
Comment Period Ends: October 13, 2015
File Number: NAE-2005-1142
In Reply Refer To: Ruth M. Ladd
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E-mail: ruth.m.ladd@usace.army.mil

The District Engineer is soliciting comments on the 25 projects which have applied for funding through New Hampshire's In Lieu Fee ("ILF") program, the Aquatic Resource Mitigation Fund ("ARM Fund"). The sponsor for the program is the New Hampshire Department of Environmental Services ("DES"). The program serves as an alternative form of compensation for impacts to aquatic resources authorized by the New England District Army Corps of Engineers (Corps) and/or the DES. These projects were submitted in response to the 2016 Request for Pre-Proposals ("RFPP") and approved for development of full proposals to be considered for funding.

The RFPP includes the criteria used to evaluate projects, the information required for a proposal, and other related information. DES and the Corps reviewed the RFPPs and invited those meeting the criteria to submit full applications. The RFPP, ARM Fund application, current amount of funds available for release, and additional information can be found at the ARM Fund website:

<http://des.nh.gov/organization/divisions/water/wetlands/wmp/index.htm>

The proponent for any proposed project that needs a Department of the Army permit or authorization will apply for it independently of this project review process.

Attached are the service area funds available, resources impacted by permitted activities that have paid into the ARM Fund, and proposed project descriptions and locus maps for the ARM Fund applications.

The decision whether to approve funding for projects will be based on an evaluation of each proposed activity and how and where it will compensate for aquatic resources lost through authorizations issued under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act. The decision will reflect the national concern for no net loss of aquatic resources. The benefit that may reasonably accrue from each proposal must be balanced against its reasonably foreseeable detriments and/or its appropriateness considering the ecological needs of the service area in which it is located.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to determine the most appropriate projects to receive funding from the ARM Fund. Any comments received will be provided to the Site Selection Committee which makes recommendations to the

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Interagency Review Committee, including the Corps of Engineers, and will be considered in the evaluation of the projects and the determination of which will receive funding. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (“EFH”).

The District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that the proposed projects may affect properties in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the proposal review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers, has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, that might occur at the project sites. It is our preliminary determination that the proposed activity for which funding is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate federal Agency concur with our determination.

The State of New Hampshire has an approved **Coastal Zone Management Program**. Coastal Zone Management consistency will be required for some of the individual proposals and by this public notice we are requesting the state provide any applicable comments at this time.

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In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Ruth M. Ladd at (978) 318-8818, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts, or at the email address noted above.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the projects. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record.

Jennifer L. McCarthy
Chief, Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

ANDROSCOGGIN RIVER

2011 DISBURSAL OF \$89,000 TO 1 PROJECT

2015 DISBURSAL OF \$61,000 TO 1 PROJECT

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 CARRY OVER FUNDS									\$480.00		
TOTALS									\$0.00	\$0.00	
GRANT TOTALS									\$480.00		

SACO RIVER

2013 DISBURSAL OF \$46,000 TO 1 PROJECT

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 CARRY OVER FUNDS				Fisheries & wildlife habitat, shoreline anchoring and bank loss, groundwater discharge.	Intermittent stream	9,497		329	\$22,947.16		
TOTALS						9,497		329	\$22,947.16		
GRANT TOTALS						9,497		329	\$22,947.16		

PEMIGEWASSET - WINNIPESAUKEE RIVERS

2009-2013 DISBURSAL OF \$658,000 TO 7 PROJECTS

2014 DISBURSAL OF \$64,236 TO 1 PROJECT

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 Carry over funds				Fisheries habitat		160		21	\$96,581.00		
2015-3287	Tuftonboro	Utility distribution line.	PEM, PSS	Minimal flood storage		176	59,115		\$ 13,162.81	2193.98	1/27/2016
TOTALS						336	59,115	21	\$13,162.81	\$2,193.98	
GRANT TOTALS						336	59,115	21	\$107,549.83		

SALMON FALLS - PISCATAQUA RIVERS

2010-2013 DISBURSAL OF \$1,770,510.00 TO 11 PROJECTS

OYSTER RIVER PROJECT AND THOMPSON BROOK PROJECT DECLINED FUNDING: +\$96,000

2014 DISBURSAL OF \$336,000 TO 4 PROJECTS AND 1 PROJECT DECLINED FUNDING: +\$100,000

2015 DISBURSAL OF \$473,500 TO 3 PROJECTS

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 Carry over funds									\$202,073.16		
2013-2154	Deerfield	PSNH D118 transmission line extension	PSS1		Small modification to plans with limited impact.	341			\$1,281.33	\$213.56	8/4/2015
2013-2918	Newington	Phase 1 for pier associated with a commercial contractor marine facility;	PFO/PSS1E, M2FL1,	Tidal buffer zone	Phase 2 will be submitted prior to construction and re-calculated according to	14093			\$103,918.38		1/11/2016
2015-3359	Rochester	Utility distribution line.	PSS, PEM			288	25,518		\$ 6,596.05	1098.71	2/18/2016
2015-2926	Rochester	impact for large commercial development previously permitted.	PSS	Nutrient removal, retention		7150			\$ 30,156.50	\$5,026.08	3/4/2016
2015-2637	Portsmouth	One utility pole replacement in the salt marsh - after the fact.	E2EM	Production export	Prime wetlands		720		\$1,390.27	\$231.71	3/15/2016
TOTALS						21,872	26,238		\$143,342.53	\$6,570.06	
GRANT TOTALS						21,872	26,238		\$338,845.63		

Non-tidal funds = \$234,800 and Tidal funds = \$103,900

MERRIMACK RIVER

2009 DISBURSAL OF \$569,000.00 TO 4 PROJECTS

2012 DISBURSAL OF \$2,200,000 TO 7 PROJECTS

2013 DISBURSAL OF \$65,400 TO 1 PROJECT

2014 DISBURSAL OF \$422,707 TO 3 PROJECTS

2015 DISBURSAL OF \$932,200 TO 4 PROJECTS

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 Carry over funds									\$116,903.63		
2012-3271	Hooksett	Pike								\$20,000.00	10/1/2015
2015-720	Concord	Utility distribution substation and associated infrastructure.	PFO	Wildlife habitat	Vernal pool buffer loss.	20657	50068		\$ 124,301.29	\$20,716.88	10/6/2015
2004-763	Plaistow	NHDOT amendment to widening of Route 125 in Plaistow-Kingston.	PEM	Wildlife habitat	Conservation easement and restoration of 2 acres of wetlands provided as a part of	28071			\$ 135,507.71	\$22,584.62	12/28/2015
2014-3446	Londonderry, Salem, Windham, Derry, Manchester	NHDOT I-93 northern section improvements	PFO1A, IE, 4; PEM1C, 1E, 1F, 1G, 1H; PSS1E; OW; R4SB, R2UB	Floodflow alteration, sediment/toxicant retention, nutrient removal, wildlife & fish habitat.	Total payment \$1,823,238.91 half disbursed in 2016 and half in 2017. General preference for CTAP towns for these funds.	417433		4039 perennial & 4,135 intermittent	\$ 994,493.95	165,748.99	2/17/2016
2015-3105	Nashua	Remediation at contaminated site along Merrimack	R2UB2, PEM1E, PSS	Shoreline anchoring, fisheries habitat			932	880	\$211,200.00	\$35,200.00	5/9/2016
<p>CTAP Communities include: Allenstown, Atkinson, Auburn, Bedford, Bow, Candia, Chester, Concord, Danville, Deerfield, Derry, Dunbarton, Fremont, Goffstown, Hampstead, Hooksett, Hudson, Litchfield, Londonderry, Manchester, Pelham, Pembroke, Raymond, Salem, Sandown, and Windham.</p>											
TOTALS						466,161	51,000	9,054	\$1,465,502.95	\$264,250.49	
GRANT TOTALS						466,161	51,000	9,054	\$1,318,156.09		

LOWER CONNECTICUT RIVER

2010 DISBURSAL OF \$83,467 TO 1 PROJECT
2012 DISBURSAL OF \$570,797 TO 2 PROJECTS
BLACK HILL FOREST PROJECT DECLINED FUNDING: +\$182,530
2014 DISBURSAL OF \$255,000 TO 2 PROJECTS
2015 DISBURSAL OF \$510,000 TO 2 PROJECTS + \$50,000 to Falls Brook Restoration

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 Carry over funds									\$4,270.01		
2014-1521	Lebanon	Lebanon airport work to remove obstructions, relocate perimeter fence, construct access road.	PFO, intermittent streams,	Wildlife habitat, conversion of forest to PSS and PEM	34 acre parcel also protected for mitigation	17114	283,068		\$130,091.00	\$11,824.70	5/16/2015
2014-2128	Troy-Fitzwilliam	Construction of a new 115kV transmission line from Monadnock substation in Troy to substation in Fitzwilliam.	PFO, PEM PSS, R2UB	Wildlife habitat, nutrient removal, production export	One vernal pool in wetland area with temp conversion.	636	120,383	32	\$134,904.54	\$12,264.32	7/15/2015
2015-1505	Keene	NHDOT new multi-use trail bridge along the Ashuelot Rail Trail.	PEM, PFO	Flood storage	Floodplain	20,167.00	3,509.00		\$89,400.77	\$14,900.13	2/9/2016
NEW PAYMENTS						37,917	406,960	32	\$354,396.31	\$38,989.15	
Amended grant amount to Cheshire County Conservation District									(-\$50,000)		
GRANT TOTALS						37,917	406,960	32	\$269,677.17		

CONTOOCOOK RIVER

2013 DISBURSAL OF \$14,623.31 TO 1 PROJECT

2015 DISBURSAL OF \$150,000 TO 1 PROJECT

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 Carry over funds									\$24,040.49		
TOTALS						0	0		\$24,040.49	\$0.00	
GRANT TOTALS						0	0		\$24,040.49		

MIDDLE CONNECTICUT RIVER

2013 DISBURSAL OF \$120,000 TO 2 PROJECTS

2014 GRANT ROUND YIELDED NO APPLICATIONS

2015 DISBURSAL OF \$100,000 TO 1 PROJECT

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015 Carry over funds									\$135,908.10		
2015-1687	Littleton & Monroe	National Grid relocation of 3315 powerline with new lines, and access road	PSS, PEM, PFO	Wildlife habitat, groundwater recharge/disc harge, nutrient removal	Endangered species and vernal pool impacts	48245	114321		\$270,999.52	\$45,166.59	10/15/2015
2015-833	Dalton	NHDOT culvert replacement						30	\$6,600.00	\$600.00	10/15/2015
TOTALS						48,245	114,321	30	\$277,599.52	\$45,766.59	
GRANT TOTALS						48,245	114,321	30	\$367,741.03		

UPPER CONNECTICUT RIVER

2010 DISBURSAL OF \$148,000 TO 1 PROJECT
2015 DISBURSAL OF \$5,000 TO 1 PROJECT

PERMIT #	TOWN	PROJECT TYPE	COWARDIN CLASS	PRIMARY F/V's	OTHER ISSUES	WETLAND LOSS SQFT	TEMPORARY WETLAND LOSS SQFT	STREAM LOSS LF	PAYMENT AMOUNT	ADMIN FEE	DEPOSIT DATE
2015-1719	Dixville	NHDOT trail culvert replacement and roadway reconstruction on Route 26.	Stream					474.00	113,760.00	18,960	12/28/2015
TOTALS									\$113,760.00	\$18,960.00	
GRANT TOTALS								0	\$94,800.00		

REVISED 9/9/2016

PEMIGEWASSET-WINNIPESAUKEE RIVER SERVICE AREA
(Available funding \$107,500)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Sanborn Family Trust/Belmont Conservation Commission	Belmont	\$72,000
Page Pond Community Forest/Trust for Public Lands	Meredith	\$107,500

Sanborn Family Trust, Belmont

The Belmont Conservation Commission requests funding from the ARM fund in order to purchase two parcels of land equaling 100 acres± having a half mile of frontage on the Winnepesaukee River, 200 feet± on Silver Lake, and containing about a half mile of the Tioga River as well as numerous smaller streams. This will create a 300 acre block of protected land along the remaining undeveloped frontage of the Winnepesaukee River and along a part of the Tioga River in Belmont. When joined with the abutting Tioga River Wildlife and Conservation Area (TRW&CA), the intention will be to extend the conservation easement currently held by Five Rivers Conservation Trust to also cover this parcel. The wetland on a portion of the property totals approximately 167.33 acres and is the largest wetland complex in the Town of Belmont, based on NH Method delineation criteria. This wetland is located to the north of Route 140 on the western corner of the town. Significantly, a large portion of the wetland is located on a Town of Belmont conservation property known as the “Tioga River Wildlife & Conservation Area.” This wetland forms a large wetland complex on the border of the Tioga River and lower portion of Silver Lake. The wetland also rated third highest for wetland wildlife habitat due to high ecological integrity, the presence of large areas of standing water, high wetland diversity, dominance of marsh and scrub-shrub habitat, and adjacency of undeveloped upland habitat. The wetland is also located in an area identified as a “Conservation Focus Area”, and as a “Highest Ranked Wildlife Habitat by Ecological Condition” by the New Hampshire Fish and Game Department.

Page Pond Community Forest/Trust for Public Lands, Meredith

The Trust for Public Land (TPL) seeks \$107,500 from the ARM program for the permanent conservation of 206.51 acres on Meredith Neck in Meredith, NH. The property includes direct frontage on Page Pond, 34.57 acres of wetlands (7.11 acres of Prime Wetlands and 27.46 acres of Designated Wetlands), 330 feet of Page Brook and 2,875 feet of an unnamed brook that flows directly into Lake Winnepesaukee. In addition, the property is within the Pennichuck Water Works Source Water Protection Area. The goal is to acquire the property from a private party at the fair market value and permanently conserve it as an expansion of the adjacent Page Pond Community Forest. This project builds connectivity across Meredith Neck to create a large block of conserved land. Protected properties include the existing Page Pond Community Forest - 567 acres fee owned by the Meredith Conservation Commission; the Sherman Conservation Easement - 52.7 acres held by the Meredith Conservation Commission; and Low Meadow Farm Conservation Easement - 74.8 acres held by the Lakes Region Conservation Trust. The Town of Meredith, acting through its Conservation Commission, will be the long-term landowner and land manager. The Wildlife Action Plan also cites these parcels as having 34 acres of Tier 2 habitat, 75.5 acres of Tier 3 habitat, with the remainder unranked. There are also abandoned farm fields on the subject property. The Town of Meredith would consider an agricultural lease to a local farmer provided that there were suitable buffers to the brook and wetlands. The Meredith Conservation Commission would include expansion of the existing trail system on the Page Pond Community Forest to this property.

SALMON FALLS - PISCATAQUA RIVER SERVICE AREA
(Available funding TIDAL: \$103,900; NONTIDAL: \$234,800)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Bennett Island Project/Bear-Paw Regional Greenways	Northwood/Strafford	\$50,000 (non-tidal)
Isinglass River Floodplain Protection Project/Southeast Land Trust	Barrington	\$61,545 (non-tidal)
Upper and Lower Sawyer Mill Dam Removal/NHDES Dam Bureau	Dover	\$200,000 (tidal and non-tidal)
Oyster River Passage Restoration/Town of Barrington	Barrington	\$50,000 (non-tidal)
Rollins Brook Headwaters/Southeast Land Trust	Nottingham	\$46,500 (non-tidal)

Bennett Island Project/Bear-Paw Regional Greenways

Bear-Paw is working with Bruce Montville, a Strafford/Northwood landowner, to conserve the 10-acre Bennett Island on Bow Lake with a conservation easement. The conservation easement will be purchased by Bear-Paw Regional Greenways. Undeveloped islands are a rare natural resource in the Bear-Paw region and on Bow Lake, in particular. The goal is to permanently protect the island, its 1.17 acres of wetlands, and its 0.5 mile of shore land with an easement held by Bear-Paw Regional Greenways while allowing the Montville family to continue their family tradition of low impact camping. This will assure permanent protection of this valuable property – the island and all of Bow Lake are recognized as a conservation priority in the 2015 NH Wildlife Action Plan (WAP), Bear-Paw’s Conservation Plan, and the Town of Strafford’s Master Plan. Most of the Bow Lake watershed is also identified as either a Core Conservation Focus Area or Supporting Landscape in the “Coastal Plan” and as “Above Average” or “Far Above Average” in TNC’s report “Resilient Sites for Species Conservation in the Northeast and Mid-Atlantic Region”. This relatively large 10-acre island includes a small hill top of Appalachian oak-pine forest surrounded by hemlock-hardwood-pine – most of which is undisturbed. Its 0.5 mile of frontage is part of a wetland that is conservatively estimated at 10 feet deep onto shore (0.60 acres of shoreline scrub). There are also two forested wetlands and deep marsh off its western and southern shores (for another 0.57 acres). The island provides a nearly ideal home for the Bald Eagles and loons that nest there. The highly ranked habitat of the lake and the watershed provide clean water and food resources while the island provides a place apart from the human residents and visitors of the lake.

Isinglass River Floodplain Protection Project/Southeast Land Trust

Located on the north side of Seavey Bridge Road, the proposed conservation easement encompasses approximately 53 acres in Barrington along the Isinglass River and abuts approximately 327-acre of contiguous conservation land. The subject property includes nearly 6-acres of important high value wetlands and 1 documented functioning vernal pool and 2 probable vernal pools. Conserving this parcel will create a contiguous block of 380-acres of conservation land, all of which is located just down river from the 300-acre Calef Forest project completed a few years ago by the Town of Barrington and the

Trust for Public Land. In addition, the conservation easement will ensure that the approximately 3 mile long “Barrington Trail,” which extends along the property’s Isinglass River frontage all the way to the Town ball fields on Smoke Street, remains open to public access. The property will be permanently conserved through a SELT held conservation easement with an Executory Interest to the Town of Barrington. The property is located within a 1,200-acre unfragmented forest block. Nearly the entire property is designated as “Supporting Landscape” in the Wildlife Action Plan (2015), with a small pocket along the southwestern edge of the river frontage ranked as “Highest Ranking Habitat in the Biological Region”. The vernal pool systems on the property are likely to be very productive and provide a food source for a variety of wildlife. The property’s frontage along the Isinglass River is a popular trout fishing spot with its many rocks, riffles, and pools and ready access from Green Hill Road.

Upper and Lower Sawyer Mill Dam Removal/NHDES Dam Bureau

This Project presents a unique opportunity to remove two dams that will have benefits across multiple disciplines and interests. The goals of the Sawyer Mill Dam Removal Project are to: Restore fish passage; improve fish and wildlife habitat; improve water quality; and reduce flood hazard. According to the New Hampshire Fish and Game Department (NHF&G), the Bellamy River is the last major river system within the Great Bay Estuary without viable fish passage above the first dam from tidal waters. This limits diadromous fish access to only 0.28 river miles of freshwater habitat. Historically, migratory species such as blueback herring, alewives, American shad, and Atlantic salmon had much greater access to the Bellamy River system. Removal of the Sawyer Mill Dams will significantly improve access for American eels and restore passage for alewife, blueback herring and sea lamprey which are identified as species of “special concern” and “species of greatest conservation need” by NHF&G. The Great Bay Estuary Restoration Compendium, published by The Nature Conservancy in 2006, indicated that removal of the Sawyer Mill Dams would reconnect 11.2 miles of main-stem habitat to Great Bay. The Lower Sawyer Mill Dam (River Mile: 4.38) is a stone dam and measures 18 feet high and 80 feet long. The Upper Sawyer Mill Dams (River Mile: 4.45) is a stone and concrete dam that measures 15 feet high by 80 feet long. The approximately 21 acre impounded reach “Sawyer Mill Dam Pond” created by the Upper Sawyer Mill Dam is on the State of New Hampshire’s draft 2014 305(b)/303(d) list of impaired waterbodies (Appendix C: Water Quality Report Cards). The impoundment is listed as impaired for Category 5-M (Chlorophyll a – marginal impairment) for not supporting primary contact recreation and for Category 4A-P (E.coli – severe impairment) for primary contact recreation.

Upper Oyster River Channel and Fish Passage Restoration/Town of Barrington

The project goals are to replace the highest priority road/stream crossing culvert in the Oyster River watershed to restore natural stream channel dynamics and function on an impacted reach of the Oyster River. The project proposes to restore full fish passage to approximately four miles of upstream riverine habitat in the headwaters of the Oyster River and its tributary streams for the benefit of American Brook Lamprey (state endangered species), wild Brook Trout, American Eel, and other important aquatic life. The project includes the permanent protection, through a deed restriction, approximately 12 acres of undeveloped land directly adjacent to the Oyster River and 1,528 acres of existing permanent conservation land. The undeveloped land which will be permanently protected directly adjoins the existing Samuel A. Tamposi Water Supply Reserve in Barrington which is part of a 1,528 acre block of existing permanent conservation land in the Creek Pond Marsh Conservation Focus Area identified in The Land Conservation Plan for New Hampshire’s Coastal Watersheds.

Rollins Brook Headwaters/Southeast Land Trust

The Rollins Brook Headwaters project (Zanard property) seeks to permanently protect, enhance, restore, and manage approximately 70 acres of forest and wetland habitat in Nottingham, NH – including a 13

acre beaver impoundment that serves as the headwaters for Rollins Brook, a tributary to the North River, Lamprey River, and the Great Bay Estuary. The project goals will permanently protect approximately 70 acres, including 17.19 total acres of wetland, a 13 acre beaver pond with 3,500' + of forested shoreline, 3 confirmed vernal pools, 1,000' of headwater stream (currently impounded by beaver dam) and 52 acres of important, associated upland habitat. The project proposes to restore and enhance critical wildlife habitat, with a particular focus on the state endangered Blanding's turtle, known to occupy and utilize this parcel. The parcel will be managed to maintain its diversity of wetland types, to enhance its high quality wildlife habitat (specifically targeting Blanding's turtle), and to provide limited passive recreational opportunities for public enjoyment and educational/research purposes. Known hot spot for Blanding's turtles and a key link in the conservation mosaic to the east of Pawtuckaway State Park, this property connects to more than 2,000 acres of protected lands, including the soon-to-be-protected Harvey Forest at Kennard Hill, one of Southeast Land Trust's (SELT) "crown jewels" with more than 1,100 acres of open space. The permanent protection of the Zanard property will be accomplished using the NRCS-Wetland Reserve Easement (WRE) and the subsequent conveyance of the WRE-encumbered fee interest to SELT for its conservation ownership.

MERRIMACK RIVER SERVICE AREA
(Available funding \$489,000)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Austin Parcel/Brookline Conservation Commission	Brookline	\$250,000
Brennan Brook Confluence Project/Francestown Land Trust	Francestown	\$83,850
Crooked Run Stream Restoration/Town of Barnstead	Barnstead	\$100,000
Hitchiner Town Forest/Milford Conservation Commission	Milford	\$7,500

Austin Parcel/Brookline Conservation Commission

The Brookline Conservation Commission is seeking to acquire, restore, and protect the Austin Parcel. The town of Brookline seeks to purchase the property fee simple through their Conservation Commission. In addition to fee simple ownership, the project calls for the placement of a conservation easement on the property to be held by the Piscataquog Land Conservancy. The parcel contains a riverine complex that has intermittent streambed and unconsolidated bottom; along with Palustrine Forested, Emergent, and Scrub-Shrub (combinations of seasonal, temporary, and permanent). The Parcel has 3,000 linear feet of riparian frontage along the Nissitissit River. Protection of the frontage and upland buffer is a high priority in the region and this is one of the last large sections of the River that has not been protected or developed in New Hampshire. The area of the river offers an impressive Eastern Brook Trout fishery and both NH Fish & Game and Trout Unlimited have expressed interest in seeing it protected, some wetland restoration, and the possibility of habitat improvement based on the restoration technique. The portion of the bank where the Commission is proposing bank restoration has severe bank erosion along the river right bank just downstream of Bohannon Bridge. Similar erosion is not found on the adjacent river left bank, and banks on both sides just downstream of the eroded bank appear stable with good to excellent

levels of bank vegetation. A feasible alternative to restoring erosion along the river right bank includes a combination of large wood addition and bio-engineered bank stabilization, using natural erosion control fabrics and practices. The NH Wildlife Action Plan depicts the property as being a combination of Highest Ranked Habitat in NH and Highest Ranked Habitat in Biological Region.

Brennan Brook Confluence Project/Francestown Land Trust

The aim of this project is to purchase a 7.6 acre property to protect in perpetuity along the South Branch of the Piscataquog River and to protect an additional 33 acres as conservation easements donated by abutting landowners in support of this project. The project will permanently protect 2,155 feet of the South Branch of the Piscataquog River, its associated riparian and upland forest as well as eight acres of wetlands at the confluence of the Brennan Brook and the South Branch of the Piscataquog River (designated as a “natural river” and protected under RSA 483). The total of 40.6 acres will be protected in perpetuity and monitored yearly by the Francestown Land Conservancy. The Francestown Land Trust and the Piscataquog Land Trust have dedicated stewardship funds to ensure the protection of these lands. Approximately 10.5 acres in this project are classified as the highest ranked habitat in NH (Tier 1), 17 acres are considered Tier 2 habitat, and 4.5 acres are ranked as supporting landscape (Tier 3) as defined by NH Wildlife Action Plan 2015. One endangered and two species of special concern have been found in the area. A population of a special concern species that occupies the habitat along the South Branch of the Piscataquog River and Brennan Brook is part of a *priority conservation population of region-wide significance*. The Brennan Brook-South Branch Confluence Project connects to and enhances the ecological function of over 4,500 acres of biologically diverse protected land.

Crooked Run Stream Restoration/Town of Barnstead

The proposed Crooked Run Stream Restoration project proposes to remove a severely undersized culvert located on Crooked Run in Barnstead. The new stream crossing structure will be increased in size to align with the width of the natural stream channel and increase its capacity to meet a hundred year storm event. A natural stream substrate beneath the new crossing structure will be installed to promote fish passage to and from the upper watershed. Crooked Run, an important perennial stream, provides a critical linkage and connectivity to the Suncook, Big & Little Rivers (all are currently stocked with brook trout) in the lower watershed and important headwaters and conservation land in the upper Crooked Run watershed. The current crossing’s alignment will be studied for possible realignment or additional bank stabilization efforts. The project includes both Tier 1 and Tier 2 WAP habitats from the project site to both the lower and upper watersheds. There are no other significant stream restrictions on Crooked Run. Several species of threatened or species of concern are present in the watershed including Blanding’s turtles, the swamp darter, and bridle shiner. The Town of Barnstead has the capability of completing this replacement work which reduces the normal cost of installation by approximately 50%.

Hitchiner Town Forest/Milford Conservation Commission

The Milford Conservation Commission (MCC) intends to permanently protect Hitchiner Town Forest and the natural resources on the property with a conservation easement to be held by the New England Forestry Foundation (NEFF). The town accepted the land from Hitchiner Manufacturing in 1986; to be managed by the Conservation Commission. Management is being guided by a Forest Management Plan which was updated in 2008 and a Field Management Plan created in 2012. The property is primarily upland and is considered of “Highest Ranked Habitat in the Biological Region” on the 2015 NH F&G Wildlife Habitat by Ecological Condition Map. The natural community surrounding the summit of Burns Hill is approximately 40 acres of species that define a Dry Red Oak – Pine Forest natural community which is ranked by the Natural Heritage Bureau as s3s4. This town forest abuts a large subdivision which was just approved for Phase 6B, bringing an additional 13 homes to the existing 120 homes. There is approval for another 50 homes in future phases. There is another subdivision proposed to the southeast of

the property which will have 32 houselots. Keeping development out of Hitchiner Town Forest will sustain the natural landscape. The trails at Hitchiner are heavily used by the nearby neighborhoods for recreation.

MERRIMACK RIVER CTAP AREA
(Available funding \$828,000)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Portsmouth St. Stream Restoration/City of Concord	Concord	\$200,000
Doyle Stream Protection/Londonderry	Southeast Land Trust	\$65,000
Tower Hill Pond/Society for the Protection of NH Forests	Candia & Hooksett	\$400,000
Mathes Property/NH Fish and Game Dept.	Londonderry	\$400,000
Upper North Branch River/Southeast Land Trust	Candia	\$40,000
Horsburgh Property/Southeast Land Trust	Fremont	\$85,000
Salem Town Forest/Town of Salem	Salem	\$150,000

Portsmouth St. Stream Restoration/City of Concord

The project proposes to restore Mill Brook and Merrimack River floodplain connectivity, and restore the stream channel so it is similar to natural conditions upstream. The proposed crossing increases the cross sectional area of the passage under Portsmouth Street from 38.46 square feet (3.5 foot round pipe) to 48 square feet (16 x 3 foot three-sided culvert). This crossing design will more than pass the Mill Brook 100-year storm. This increase in passage size will restore a fragmented portion of the Mill Brook floodplain which transitions to the Merrimack River floodplain and will also restore Merrimack River floodwater access to 204,732 square feet of wetlands upstream of Portsmouth Street. The New Hampshire Natural Heritage Bureau (NHB) data check in the vicinity of the Portsmouth Street Crossing over Mill Brook indicated an exemplary ecosystem type (silver maple-false nettle-sensitive fern flood plain forest) is present within the Merrimack River Outdoor Education and Conservation area, downstream of the crossing. This design provides passage of aquatic life over a full range of flows from base flow to those exceeding bankfull. Removing this aquatic life barrier restores access to 1,700 linear feet of perennial channel upstream of Portsmouth Street. This expands the habitat available to aquatic life in the Merrimack that uses small tributaries for spawning or as nursery areas. The proposed project includes the installation of storm water Best Management Practices (BMPs) to capture stormwater runoff from Portsmouth Street and treat the runoff by retaining the majority of sediment, trapping pollutants and removing nutrients carried in storm water runoff. These BMPs will improve the quality of water entering the wetlands allowing the wetlands natural resources to trap sediment and attenuate nutrients carried in by the Mill Brook or Merrimack River flooding. Removal of invasive plants in the area will protect and preserve existing functions of the silver maple-false nettle sensitive fern floodplain forest exemplary plant community present downstream of Portsmouth Street.

Doyle Stream Protection/Londonderry

This project seeks to protect a 26-acre parcel in the Little Cohas-Merrimack River watershed containing two streams with 1,545 feet of riparian frontage on both banks of both streams. There will be a perpetual conservation easement granted by the current owner, Leah Doyle, to the Southeast Land Trust of New Hampshire (SELT). The conservation easement will allow for the maintenance and use of the dirt/gravel agricultural road that leads from Kimball Road to the barn. The property includes a barn structure centrally located in the field on the Property. At the outset the plan was to include the barn as an agricultural allowable use under the terms of the conservation easement. However, the NH DES Water Supply Protection Program is requiring exclusion of the barn from the conservation easement because the Program does not allow structures in the easement. Thus, approximately 0.4-acre Exclusion Area around the barn which will not be subject to the easement, but protected by a deed restriction. Achieving this goal will preserve the high quality of the two streams and their buffers on the Property in perpetuity. The project protects 3 wetlands totaling 2.16 acres and their buffers on the Property in perpetuity and will enlarge the existing and abutting 1,400+ acres of conserved land, enhancing its significant ecosystem services. The property includes habitat for the following species of conservation concern identified near the Property: state endangered Blanding's turtle, hognose snake, New England cottontail; state threatened spotted turtle; and redbfin pickerel (a species of special conservation concern). The project will protect the Pennichuck Source Water Protection Area as well as 44 residential wells within 750 feet of the Property, and guarantee public pedestrian access for education and outdoor recreation. The Property abuts a contiguous 1,400+ acre block of conserved forest land including the town-owned Musquash Conservation Area and the Granite Ridge power plant conservation easement. Just northeast is the 800+ acre collection of conserved parcels surrounding the Little Cohas Swamp. The Property is a critical link between these two large blocks of conserved land, both assessed as Tier I in the WAP and the Property's streams provide natural travel corridors between the two larger blocks.

Tower Hill Pond/Society for the Protection of NH Forests

The overriding goal of the 1,870 +/- acre Tower Hill Pond project is to permanently conserve the 45 separate wetlands encompassing 280-acres, over 2 miles of undeveloped shoreline of Tower Hill Pond, 6.3 miles of perennial streams, 1.6 miles of intermittent streams, 74 vernal pools and 1,590 acres of upland and lowland forest. The protection of these water resources will directly offset those water resources that were lost in the Merrimack River Valley. The 1,870-acre Tower Hill Pond property will directly abut the 95-acre Town of Hooksett's Laurel Road conservation property and the Candia Town Forest off Rte. 101. The Society for the Protection of New Hampshire Forests (Forest Society) is working with Manchester Water Works (MWW) to purchase a permanent conservation easement on 1,870 +/- acres of land surrounding Tower Hill Pond located in the Towns of Candia and Hooksett. The land is a portion of the 8,000 acres owned and managed by MWW to provide clean drinking water to the over 160,000 residents of the City of Manchester and surrounding towns. Despite being located only a few miles from the city, it contains excellent wildlife habitat according to the NH Wildlife Action Plan. The pond itself is stocked with trout and used by fishermen and kayakers. The lands owned by MWW are carefully managed for their timber resources and, at 8,000 acres of land MWW is one of the largest working forest owners in southern NH. Lastly, the land is within in a focus area of the Merrimack Valley Regional Conservation Plan and abuts and is near other conservation lands including the 9,470-acre Bear Brook State Park.

Mathes Property/NH Fish and Game Dept.

The goal of this project is to permanently conserve two parcels (Tax Map 8, Lots 10 & 21) containing 149+/- acres adjacent to the Musquash Conservation Area in Londonderry belonging to the Mathes Family Limited Partnership. This goal will be reached through a partnership involving the Town of

Londonderry, Southeast Land Trust of NH and the NH Fish and Game Department. Parcel #1 is approximately 140 acres with 18.7 acres of wetlands including a large wetland system located in the north and west of the property and nine documented and five potential vernal pools found in the eastern and southern portion of the property. These features are a part of the large Musquash Swamp wetland system. Parcel #2 is 10 acres located northeast of the larger parcel and also abutting the Musquash Swamp Conservation Area with 1 acre of wetland. Parcel #2 has no known legal access, thus limiting future active forest management opportunities. The present owner desires to sell both parcels at a single sale. NHFG biologists have documented 9 vernal pools on Parcel 1 and all documented pools had either wood frog and/or spotted salamander egg masses. Five additional pools were inventoried but indicator species were not found during the site visit. A recent timber harvest on the parcel has impacted the landscape surrounding the pools. If the project is successful, future management will include 200 foot wetland buffers to protect the functions and values of these areas. A stewardship plan developed collaboratively by the Co-owners will address recreational development, forest management, and wildlife habitat and water quality protection. The property is also located in a focus area identified for recovery of the New England cottontail (NEC), a state endangered species. Parcel #1 has the potential for the creation of high quality habitat for the species through management in the upland forest present on the property. Nearly the entire property is identified as either Tier 1 or 2 in the 2015 New Hampshire Wildlife Action Plan (WAP). Fifteen percent of the property is top ranked habitat within the State (tier 1) and more than 84% of the property has been designated top ranked habitat in the biological region (tier 2).

Upper North Branch River/Southeast Land Trust

The project proposes to protect approximately 14.85 acres of wetland including 8 large vernal pools; nearly 900 feet of river/stream shoreline; approximately 102 acres of upland buffer in the regionally significant Upper North Branch River Core Focus Area (as identified by the Land Conservation Plan for NH's Coastal Watersheds); and conserve high value wildlife habitat for state threatened and endangered species found on the property and/or in the nearby vicinity. The property will be protected by an easement held by Southeast Land Trust that excludes a small area around the existing house. There may also potential opportunity for stabilizing erosion areas associated with woods roads and stream/wetland crossings that were associated with historic forestry; remove/control invasive species of multiflora rose; and remove fill near the edge of wetland # 2 where there appears to be fill and cut stems of Japanese knotweed. As part of a large unfragmented block over 5,000 acres in size, the habitat is ranked highly by the 2015 Wildlife Action Plan (WAP) with 88 acres of Tier 1 habitat and 33 acres of Tier 2 habitat. A Natural Heritage Bureau report shows that the property has a population of the state threatened (S2) Appalachian barren-strawberry within the proposed conservation easement area. The property in its entirety falls within a Blanding's turtle priority conservation area identified by NHF&G known as the Bear Brook site. This site ranks second out of the top 10 focus areas in NH and connects the property's habitat to an existing 388 acre block of conservation land. The project would bring the acreage of conserved/public land within the Upper North Branch River Coastal Plan focus area to a total of approximately 68.5% of the focus area.

Horsburgh Property/Southeast Land Trust

The proposed conservation parcel encompasses approximately 343 acres in Fremont that includes 4,107 linear feet of Brown Brook and streams that flow into Brown Brook which is a tributary to the Piscassic River, and 3,135 linear feet of an unnamed tributary to the Exeter River. The subject Property includes nearly 71.5-acres of important high value wetlands, including portions of 5 Prime Wetlands, and 29 probable vernal pools. The Property will be conserved permanently through the conveyance of a Wetlands Reserve Easement (WRE) to the Natural Resources Conservation Services (NRCS), followed by the conveyance of the WRE encumbered Property to SELT for its conservation ownership and management. Conserving this parcel will create a contiguous block of 353-acres of conservation land with

the addition of a 10-acre tract owned by the Town of Fremont which the town is committed to conserving if the Horsburgh tract is conserved. Although not part of this ARM application, the NRCS funding for this project includes wetland and habitat restoration which is likely to focus predominantly on creating nesting and loafing habitat for the State Endangered Blanding’s turtle, but may also include wetland restoration activities including invasive species removal and hydrologic improvements. The Property is almost entirely ranked as “Highest Ranking Habitat in the State” in the 2015 Wildlife Action Plan. In addition, the Property is within a “High Priority” site for Blanding’s turtles identified in the “Conservation Plan for Blanding’s Turtle and Associated Species of Conservation Need in the Northeastern United States” and is a priority site for the NH Fish and Game Department. The property is within a 2,180-acre unfragmented forest block that with the completion of this project will result in approximately 20% of the block conserved.

Salem Town Forest/Town of Salem

The proposed conservation parcel encompasses approximately 100 acres in Salem along the Hittytity Brook and abuts the 206-acre Salem Town Forest. The subject Property includes nearly 33-acres of important high value wetlands and 7 documented functioning vernal pools and 1 probable vernal pool. Conserving this parcel will create a contiguous block of 345-acres of conservation land in Salem. The Town will hire a forester or wildlife biologist to prepare a management plan for the Property, including a trail/trail access plan that is sensitive to the Property’s natural features and habitats, but provides an opportunity for the public to enjoy the richness and diversity of the Property. In addition, after the acquisition is complete the Town plans to undertake restoration/removal/improvements of several stream and wetland crossings on the Property that are currently impeding flow and potentially impeding aquatic passage. The Town of Salem is the project leader the Southeast Land Trust of NH (SELT) will hold the easement. The Property is located within a large, for the Salem region, 415- acre unfragmented forest block. The property includes approximately 22.5 acres of a high transmissivity aquifer that is located in the area of Hittytity Brook. This aquifer has been considered as a potential water supply by the Town in the past due to its productivity. Conserving this Property will help preserve the opportunity for this potential future public water supply and protect its recharge area. The stream and wetland systems on the Property are identified in the 2015 WAP as “Supporting Landscape”. The project protects the ecological integrity of the nearly 33-acres of wetlands and the 8 vernal pools through the removal of the threat of up to 20 house lots on the Property.

LOWER CONNECTICUT RIVER SERVICE AREA
(Available funding \$269,000)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Sip Pond/Monadnock Conservancy	Fitzwilliam	\$105,000
Ticknor Woods Addition/Upper Valley Land Trust	Lebanon	\$168,500

Sip Pond/Monadnock Conservancy

The 72 acre Chamberlain property is located on the southern shore of Sip Pond in the Town of Fitzwilliam. The predominant feature of the property is the wetland, which is part of a greater Sip Pond Peatland Complex. The parcel has 2,200 feet of frontage on Sip Pond and 2,100 feet of frontage along Sip Pond Brook. The southern boundary of the property is the Cheshire Rail Trail and the eastern boundary is Old Turnpike Road. The Monadnock Conservancy would like to purchase the Chamberlain land and convert the existing log landing (just off Old Turnpike Road) into a parking area which is 0.6 miles along

the rail trail to an existing trail. This 0.2-mile long trail heads north to the shore of Sip Pond. We plan to allow the public to use this trail to reach the scenic viewpoint at the end of the peninsula. Under Conservancy ownership, this would become the first publicly-accessible point on the pond, which is a 1.6 mile roundtrip walk. The property is within two wellhead protection areas and ninety-five percent (68.6 acres) of the property overlies a stratified drift aquifer. The Chamberlain land contains approximately 23.7 acres of Tier 1 wildlife habitat, 6.3 acres of Tier 2 wildlife habitat and 25.9 acres of Supporting Landscape as defined by the 2015 NH Wildlife Action Plan. This wetland complex represents one of the highest quality wetlands in Fitzwilliam, if not the region. The extensive bog mat along the north and western shore contains regionally uncommon to rare plants, and also supports several *Species of Greatest Conservation Concern* (SGCN). These include several bird species such as Olive-sided flycatcher, veery, and Canada warbler. It also includes the state-listed Blanding’s turtle and habitat around the pond is suitable for this state-endangered species and it is listed as extant nearby according to NH Natural Heritage Bureau records. The peatland complex itself is likely an exemplary natural community, owing to its size, condition, and proximity to Sip Pond. There are at least five different natural communities associated with this peatland and the parcel is located within a 3,727-acre forested block, as identified by The Nature Conservancy.

Ticknor Woods Addition/Upper Valley Land Trust

The Upper Valley land Trust (UVLT) plans to purchase the 110 acres of forested property in Lebanon and place a permanent conservation easement on it, and convey it to the City in a simultaneous transaction with the seller. Long-term management and stewardship will be the responsibility of UVLT and the City. This project will protect 18.7 acres of wetlands (814,572 sq. ft.), 1300 linear feet of perennial stream, 855 feet of Mascoma River frontage, as well as an additional 2400 linear feet of intermittent stream. This project encompasses a number of different wetland types including: a 5-15% gradient Tier II perennial stream with associated riparian wetlands, a 3-5% gradient intermittent stream, frontage on the Mascoma River, a NH Designated River, palustrine forested wetlands, a vernal pool, as well as a number of sloping ephemeral drainages with rich mesic forest. The parcel lies north and adjacent to the 76+/- acre permanently protected “Ticknor Woodland” property, owned by the City of Lebanon and protected with a UVLT-held conservation easement. Other adjacent or nearby City-owned or conserved properties include a City cemetery (30 acres), Storrs Hill Ski Area (20 acres), Goodwin Park (108 acres), and the Townsend Farm (290 acres) protected with a NH agricultural easement. Also within a 1 mile radius of this property lie three other City-owned pocket parks, totaling about 100 acres, conserved and protected with UVLT conservation easements. The conservation easement will also ensure and provide for continued public access for low-impact activities consistent with overall aquatic resource protection. Following the purchase of the property, the City will engage in preparing a management plan for the property incorporating a resource inventory and restoration activities into the first two years of the plan.

LOWER CONNECTICUT AND CONTOOCOOK RIVER SERVICE AREAS

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Bearce/Monadnock Conservancy	Jaffrey & Rindge	\$191,410

Bearce/Monadnock Conservancy

This project will permanently protect the Bearce property with a conservation easement to be held by the Monadnock Conservancy conservation easement on the 200-acre Bearce Property in Jaffrey & Rindge. This easement will protect 61 acres of wetland; 139 acres of upland; approximately 9,241 feet of streams; and 1 potential vernal pool. Approximately 200 acres in size, half of the property is located in Jaffrey with

the other half located in Rindge. This land sits in both the Lower Connecticut River watershed and Contoocook River watershed. The height of land is Peabody Hill where the Bearce house is located; the land then slopes southerly into Rindge where there is a large wetland complex. The easement will allow for forest management and agriculture and include a 100 foot buffer in order to protect the aquatic resources. The land is quite developable with abundant road frontage on two Class V roads (500 feet Chadwick Road, ~2,800 feet on the south side of Peabody Hill Rd., and ~2,000 feet on the north side of Peabody Hill Rd.). There is also about 2,100 feet of frontage on both sides of Mower Road (Jaffrey)/Old Jaffrey Road (Rindge), which is a Class VI road. The Bearce property contains 55 acres of Supporting Landscape (28% of the property) as defined by the NH Wildlife Action Plan (2015 data). The Bearce property is directly adjacent to the Monadnock Conservancy’s 77-acre Mountain Brook Reservoir property. The Bearce parcel is within a 1,521-acre forested block, as identified by The Nature Conservancy.

CONTOOCCOOK RIVER SERVICE AREA

(Available funding \$24,000)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Azalea Park/Town of Henniker River Walk Committee	Henniker	\$24,000

Azalea Park/Town of Henniker River Walk Committee

Azalea Park is a historical landmark in downtown Henniker, located along the Contoocook River. The erosion of the Contoocook River bank in the Azalea Park and addition of sediments created a large delta area where the wetland empties into the river. The overall Azalea Park/Riverwalk Restoration Project goal is to restore the wetland found in the park and enhance its function. In this phase of the project, the focus is on limiting the damage to the wetland by managing the upland stormwater runoff which has been directed into the wetland, causing erosion of the park entrance path and adding sediments and salt into the wetland. Managing the upland stormwater runoff and controlling the water flow into the river after storm events will help decrease the sediment washing into the river. The conceptual design calls for the installations of bioretention systems by the Library and along one side of the Community School and tree filters in the paved parking lots for the stormwater management. Inspection of the tree filters and bioretention systems include looking for drainage after storms, unclogged high flow bypass, evidence of animal burrows, and trash. Maintenance of the tree filter and bioretention system calls for the annual clearing of the debris from the surface of the soil in the filter, removal of trash, and cleaning the high flow bypass. The Committee requests funds to cover the cost of these installations. If the actual cost of the installations of three bioretention systems and a tree filter comes in lower than the estimate, the available fund left will be used in the installation of additional tree filters. The Committee plans to seek funds for the engineering study, construction design and budget preparation for the river bank stabilization project in the coming year.

MIDDLE CONNECTICUT RIVER SERVICE AREA

(Available funding \$367,500)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Shumway Conservation Project/Hanover Conservancy	Hanover	\$259,370

Shumway Forest Conservation Project/Hanover Conservancy

The Shumway Forest conservation project will protect a total of 313 acres on Moose Mountain, including 23.5 acres of wetland and 10,900 linear feet of riparian corridor, through acquisition of a permanent conservation easement by the Hanover Conservancy. On the Shumway property, 45 of the 313 acres are already protected by federal easements. This project will add another 268 acres to the existing contiguous 2,353 acres of federal, local, and private conservation lands north of Mill Pond, and 1,177 acres of local and private conservation lands on the south side of the pond. This would result in a total of nearly 3,800 acres on Moose Mountain that are either permanently protected or managed by Hanover’s Conservation Commission strictly for conservation purposes. The property contiguity with a large block of permanently protected lands; includes the presence of headwater streams and a diversity of other valuable wetlands; presence of Tier 1 and 2 wildlife habitat and supporting landscape; highest elevation unprotected wildlife habitat in the town; and the presence of recreational foot trails, including the Appalachian Trail. The wetland assessment identified at least ten types of valuable wetlands on this property along with intermittent and perennial 1st, 2nd, and 3rd order streams and their floodplains; pond and pond edge; shrub/moss fen; red spruce swamp; and probable vernal pools. The parcel provides linkages among a large block of un-fragmented forest on Moose Mountain in the Quabbin to Cardigan region. Damage to a perennial stream by a woods lane on the north arm of the parcel was noted as a possible restoration opportunity. Where the lane passes through a perennial tributary of Mink Brook on Shumway land, vehicles have damaged the streambed and prior attempts to improve the crossing have led to further impacts on the stream corridor.

UPPER CONNECTICUT RIVER SERVICE AREA
(Available funding \$94,800)

PROJECT NAME/ APPLICANT	TOWN	FUNDS REQUESTED
Upper CT Floodplain Protection and Restoration/The Nature Conservancy	Colebrook	\$82,982
Nash Stream Phase 2/Trout Unlimited	Stratford & Odell	\$15,000

Upper CT Floodplain Protection and Restoration/The Nature Conservancy

The Nature Conservancy (TNC) proposes to protect and restore 71.57 acres of high conservation-value riverine habitat, floodplain forest and farmland along 1.6 miles of the Connecticut River in Colebrook. TNC will acquire the fee interest in the Brunault tract and subsequently transfer ownership to NH Fish and Game (NHFG). The NHFG ownership will ensure permanent protection of the land; restrictions in the deed of transfer will require that conservation and wetland protection values are maintained. The Brunault property will be added to 22 acres abutting to the south that NHFG already owns, which is adjacent to other land owned by the town of Colebrook along the river, thereby protecting 3.4 contiguous miles of Connecticut River shoreline on the NH side. The protection of the Brunault property will establish a 970-acre block of protected conservation land on both sides of the river. This project protects, enhances, and restores valuable aquatic resources and their functions (15.87 acres of wetland protection, 19.68 acres of floodplain forest restoration, and restoration of aquatic connectivity), while maintaining farming opportunities on 15.3 acres of prime agricultural soils that will be buffered from aquatic resources. Restoration of floodplains on the parcel over several meander bends on both sides of the river will create a more resilient ecosystem, ensuring dynamic river processes, such as channel migration that creates oxbows and sandbars for pioneer species recruitment, can unfold uninhibited. The floodplain forest on the Brunault tract is part of a rare natural community in the watershed: Only 0.11% of the

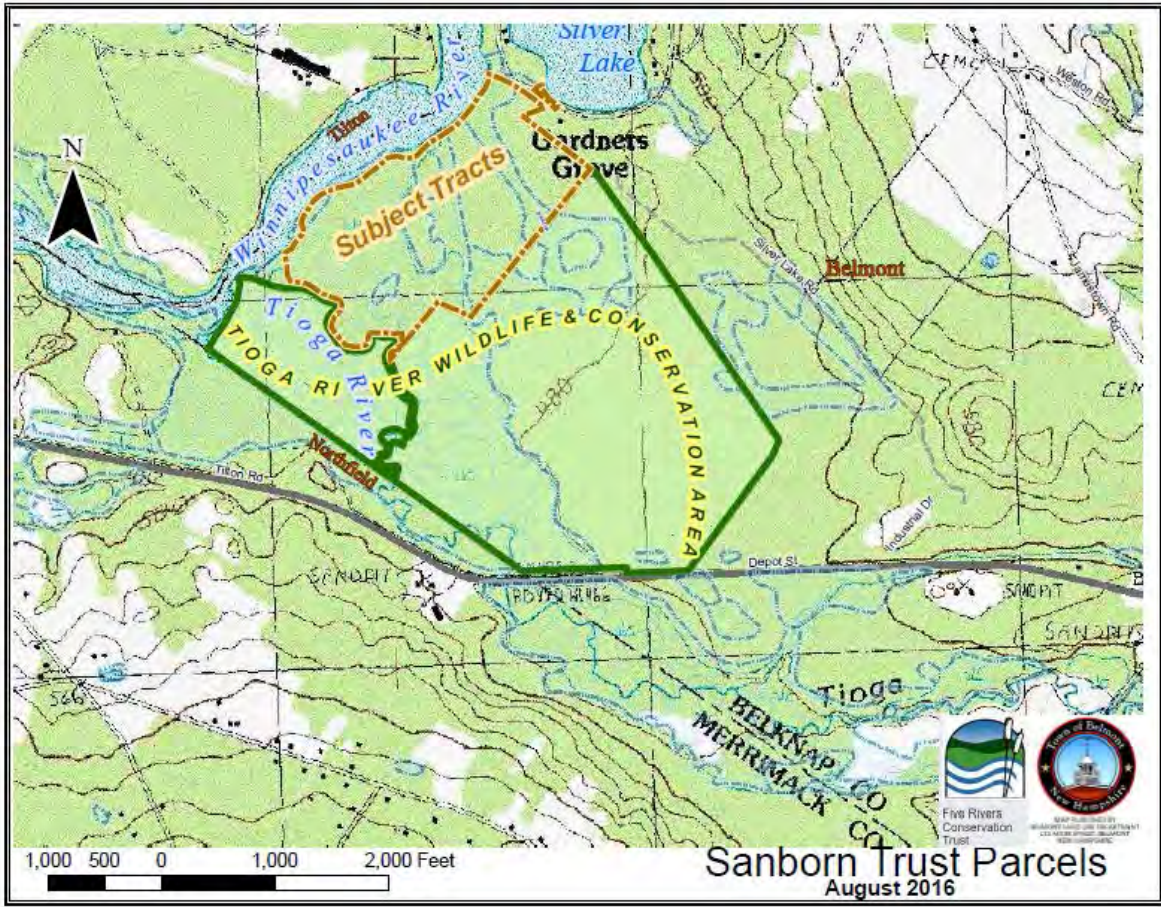
Connecticut River watershed remains in forested floodplain, and the State of NH ranks floodplain forests as Imperiled (S2). A culvert is also proposed to be replaced which is blocking aquatic organism passage and a 3.81-acre wetland is partially impounded, preventing the free flow of water to and from the wetland and the river. A new geomorphologically compatible culvert will address these aquatic connectivity deficiencies.

Nash Stream Phase 2/Trout Unlimited

Trout Unlimited (TU), in partnership with the New Hampshire Fish and Game Department (NHFGD) and New Hampshire Division of Forest and Lands (NHDFL), seeks funds to implement tributary aquatic restoration work in the Nash Stream watershed. The Nash Stream Restoration Project (Project) is a phased, multi-year effort to restore habitat quality/connectivity so that the watershed supports an intact aquatic ecosystem, including native coldwater fish. In this second phase of tributary wood replenishment, TU by adding wood to the channel will restore up to 3.2 miles of instream and riparian habitat that was impaired by historic logging activities. ARM funds will support wood replenishment during the summer/fall 2017 in the East Branch and Long Mountain Brook which are direct tributaries to Nash Stream. The Project ultimately will restore over nine miles of mainstem and ten miles of tributary habitat, and reconnect over six miles of tributaries. The Nash Stream Restoration Project is located entirely within the publicly-owned Nash Stream Forest which ensures permanent protection of the restored aquatic resources and will provide lasting public benefit. The Project is one of the largest restoration efforts in the Northeast region, and Nash Stream was recently named to the National Fish Habitat Partnership's list of ten "Waters to Watch." Instream wood will be restored in up to 3.2 miles of perennial tributary habitat including up to 11,616 linear feet (2.2 miles) of the East Branch and 5,280 linear feet (1.0 miles) of Long Mountain Brook via strategic felling and griphoist placement. Much of the Nash Stream Forest has a history of heavy timber harvest including riparian areas which limits the potential of wood recruitment to aquatic habitats. The purpose of the work is to simulate natural recruitment of wood to the stream with the goal of creating pools and habitat diversity, trapping sediment, and adding organic matter to the system.

APPENDIX A
Location maps for 2016 ARM Fund Applications

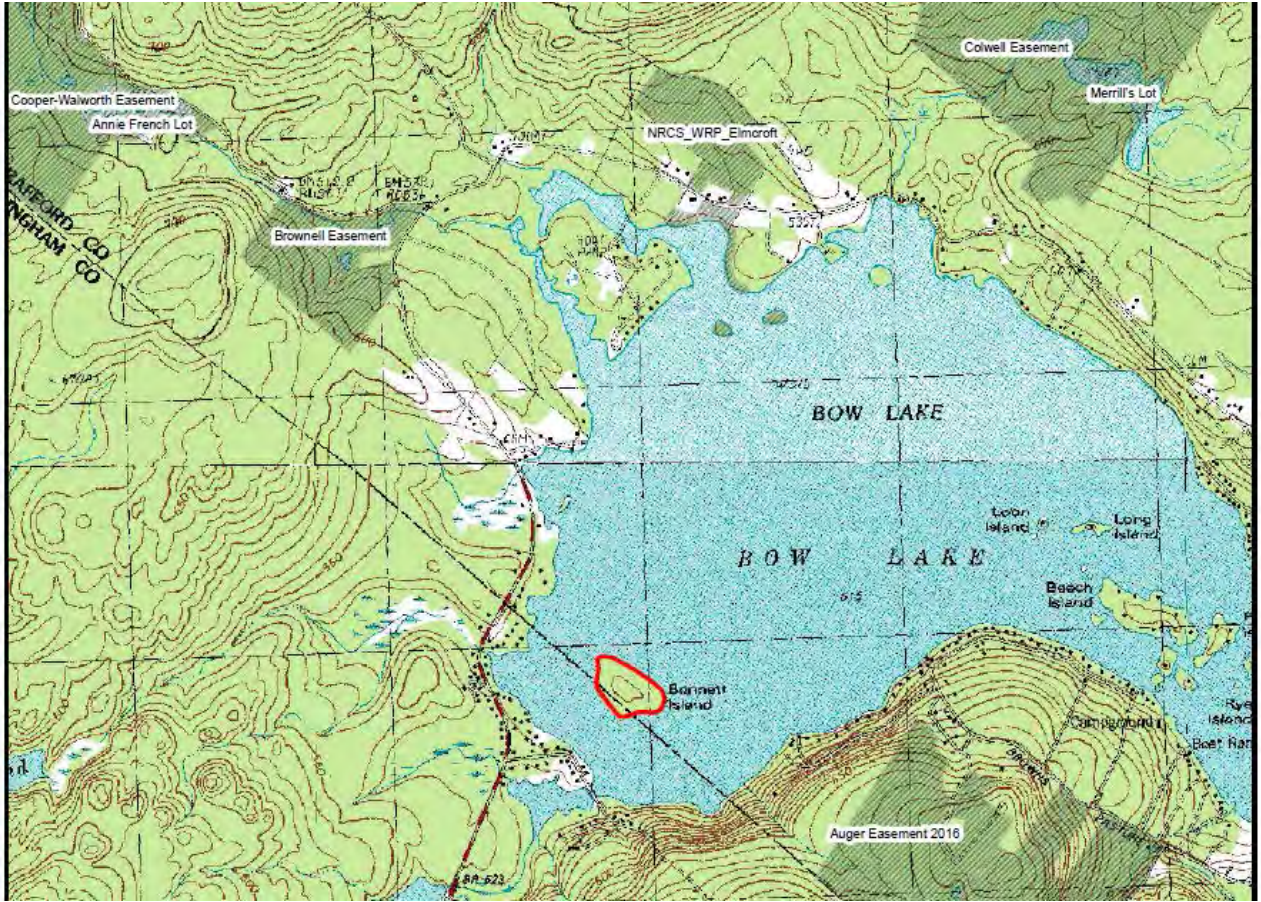
Sanborn Family Trust, Belmont





Page Pond Community Forest/Trust for Public Lands, Meredith



Bennett Island Project/Bear-Paw Regional Greenways



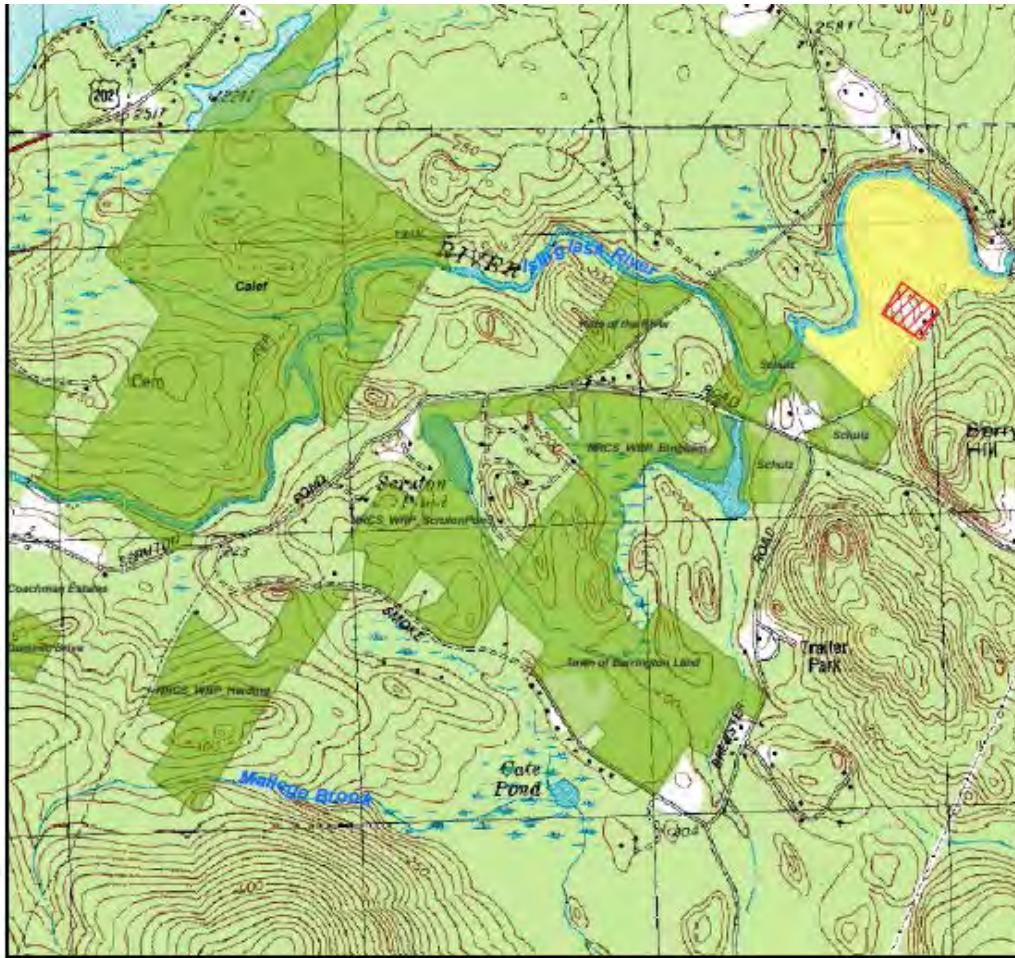
-  Property
-  Conservation Lands

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Map created by Bear-Paw Regional Greenways - 2016.

0 1,250 2,500 Feet

Isinglass River Floodplain Protection Project/Southeast Land Trust



**Isinglass River Floodplain Protection Project
Barr Property
Barrington**

-  Proposed Conservation Easement
-  Proposed Excluded Area
-  Conservation or Public Land

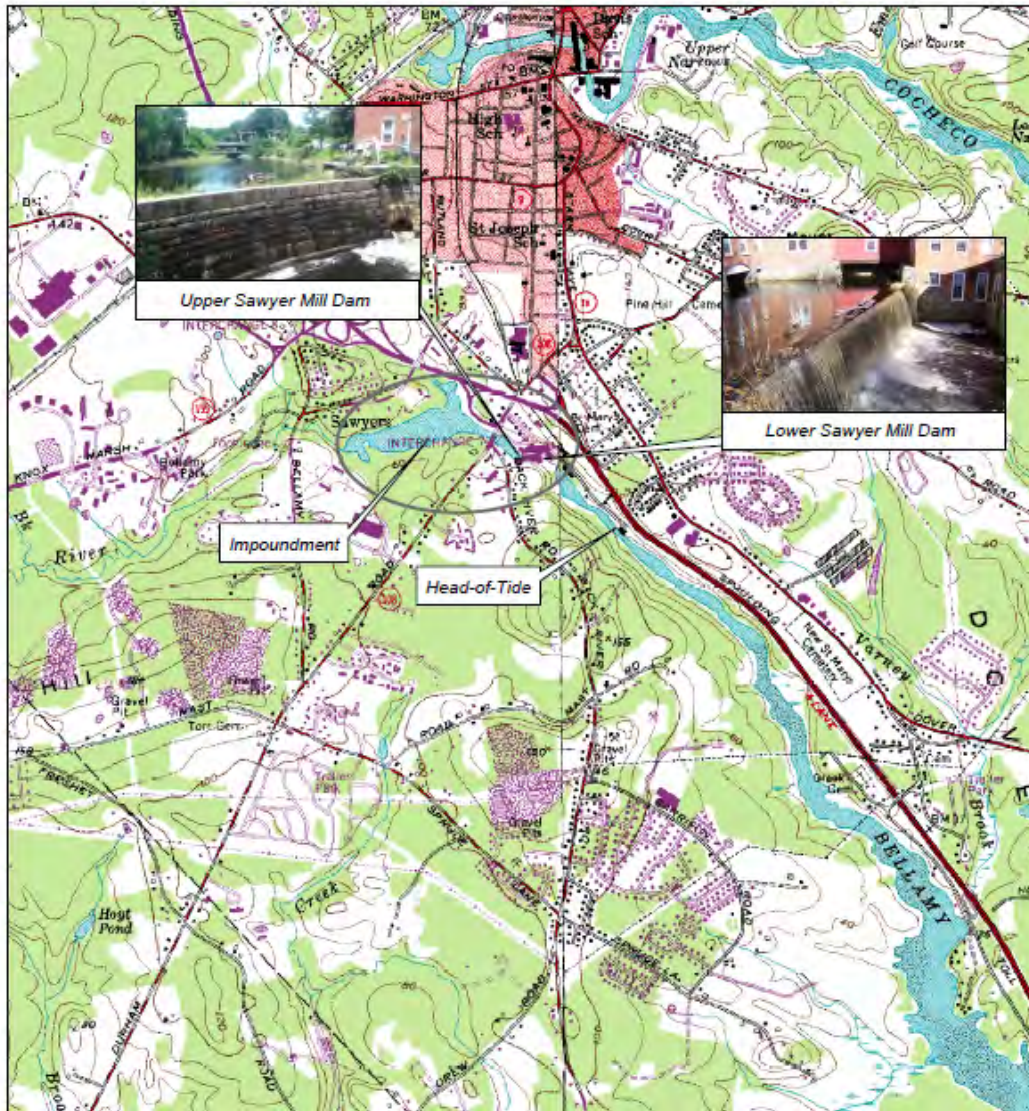



0 750 1,500 3,000
Feet



All Boundaries are approximate
Map prepared by SELT
August 2016


Upper and Lower Sawyer Mill Dam Removal/NHDES Dam Bureau






**NEW HAMPSHIRE
DEPARTMENT OF
Environmental
Services**

**Site Location Map
USGS: Dover East & West
Upper and Lower Sawyer Mill Dam Removal Project
Dover, NH**



NHDES, Dam Bureau
Dam Removal and River Restoration Program
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

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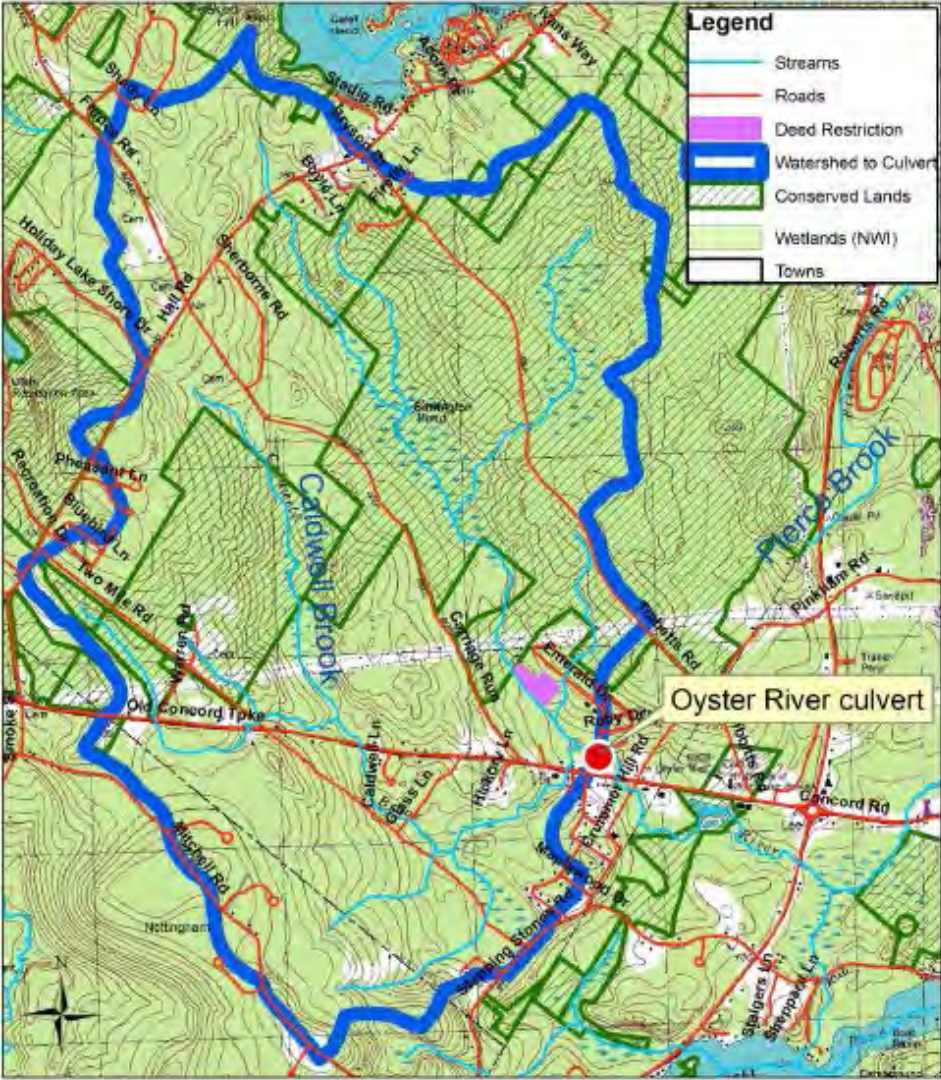


0 0.125 0.25 0.5 0.75 1 Miles

Map: William A. Thomas
Data: NHDES/GRANIT
Date: 4/22/16

The coverages presented are under constant revision as new sites or facilities are added, and may not contain all potential or existing sites or facilities. NHDES is not responsible for the use or interpretation of this information by third parties.

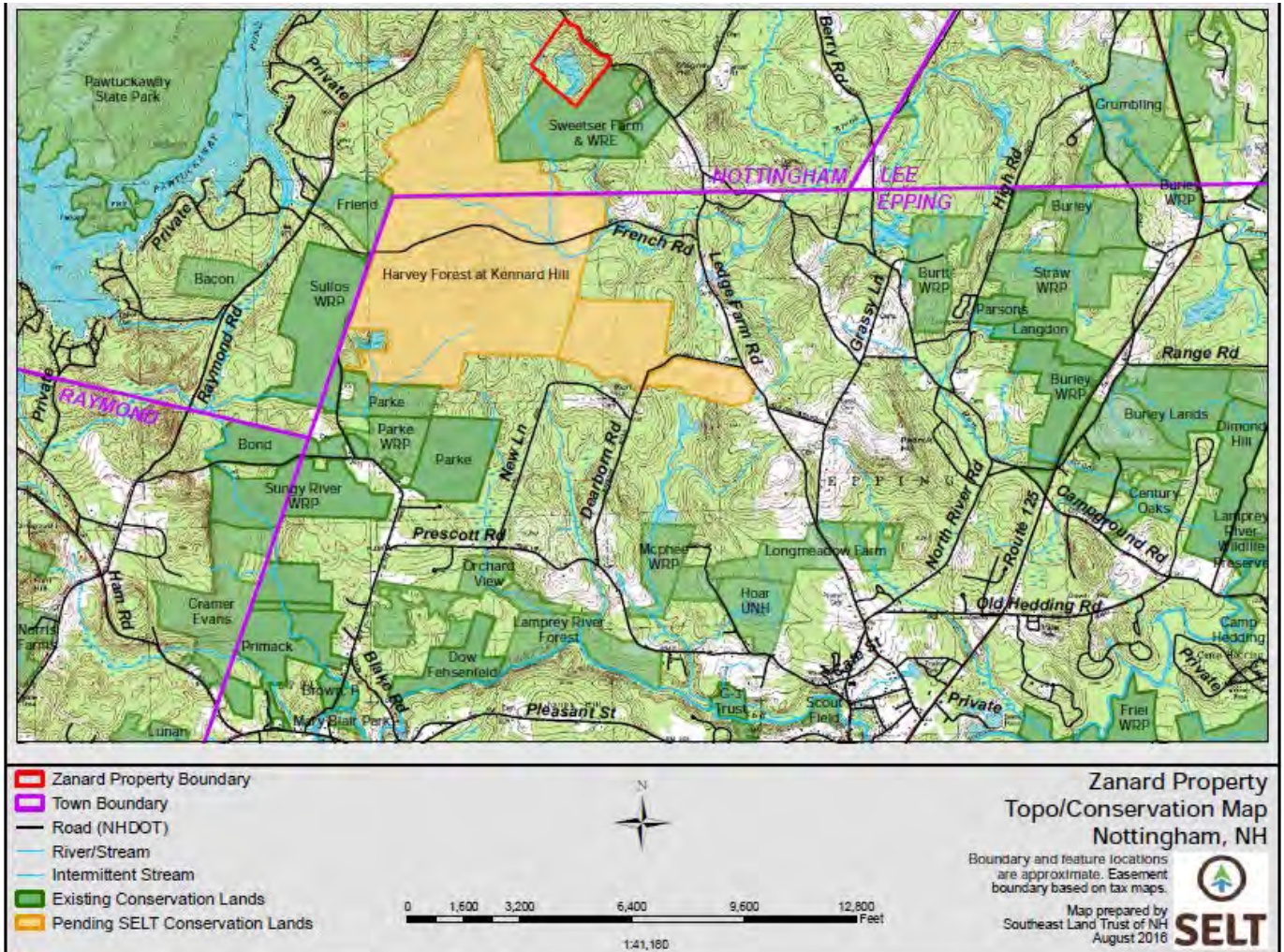
Upper Oyster River Channel and Fish Passage Restoration/Town of Barrington



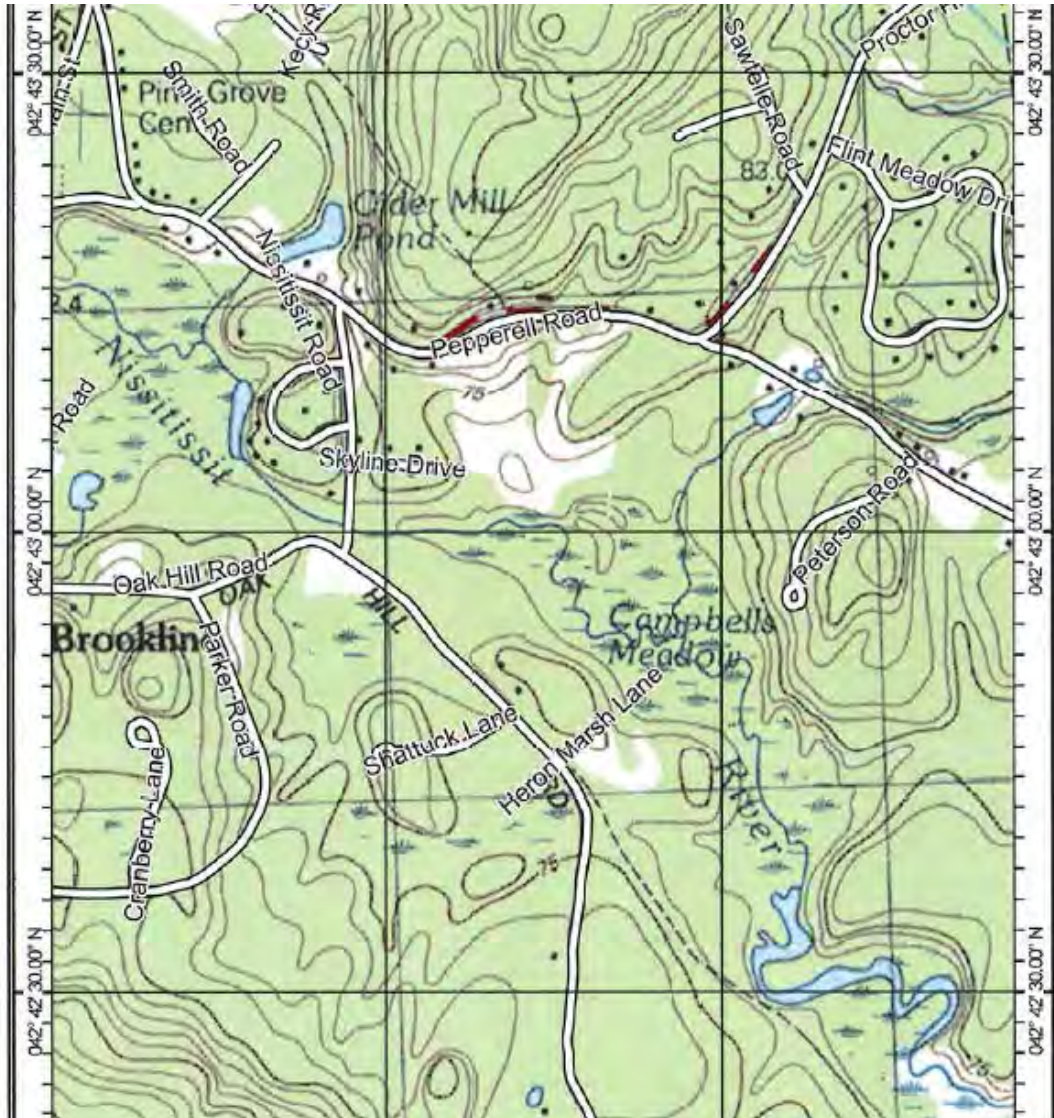
Map Created August 29, 2016 by John Magee, NH Fish and Game Department, 1:24,000



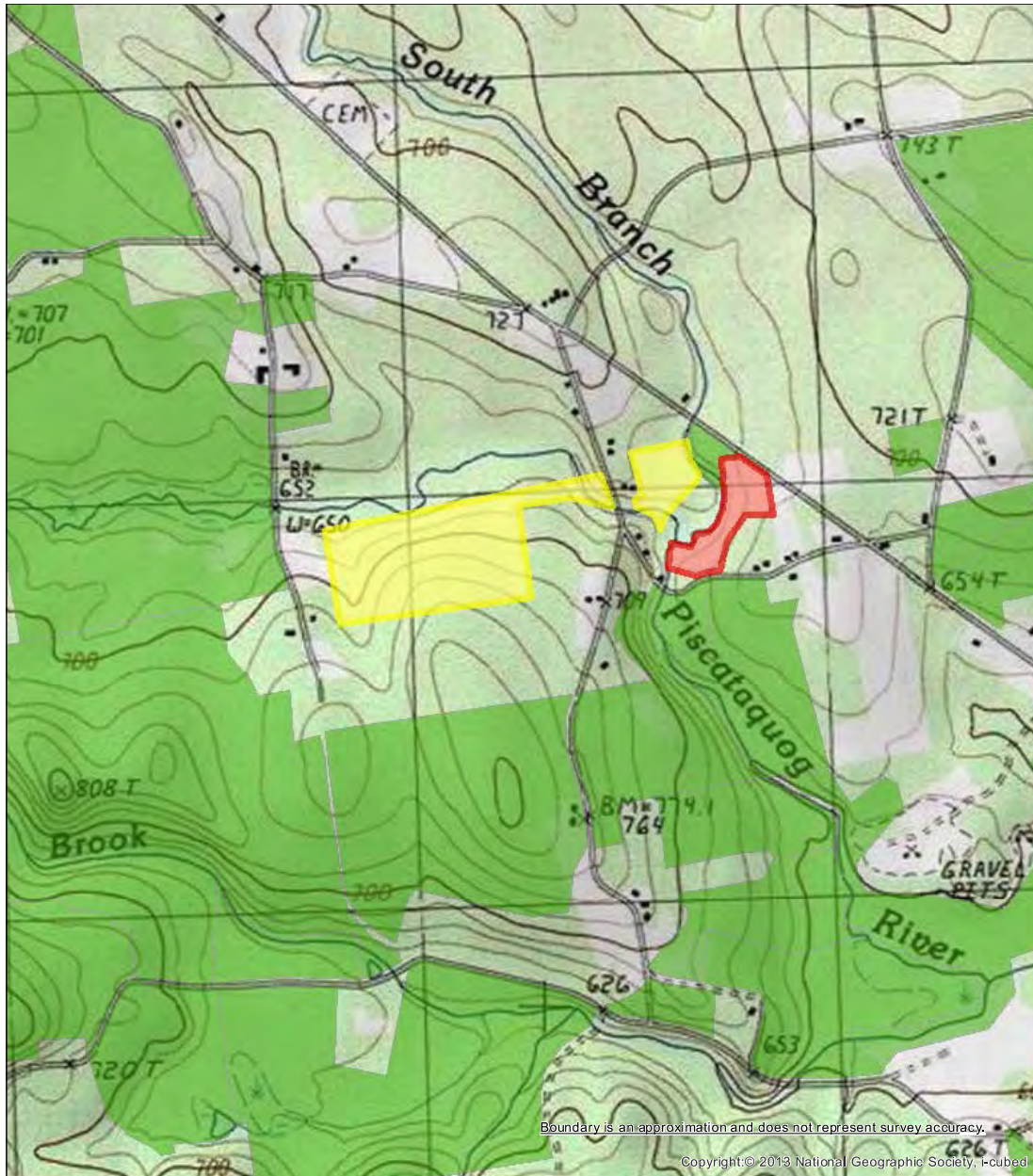
Rollins Brook Headwaters/Southeast Land Trust






Austin Parcel/Brookline Conservation Commission



Brennan Brook Confluence Project/Francestown Land Trust



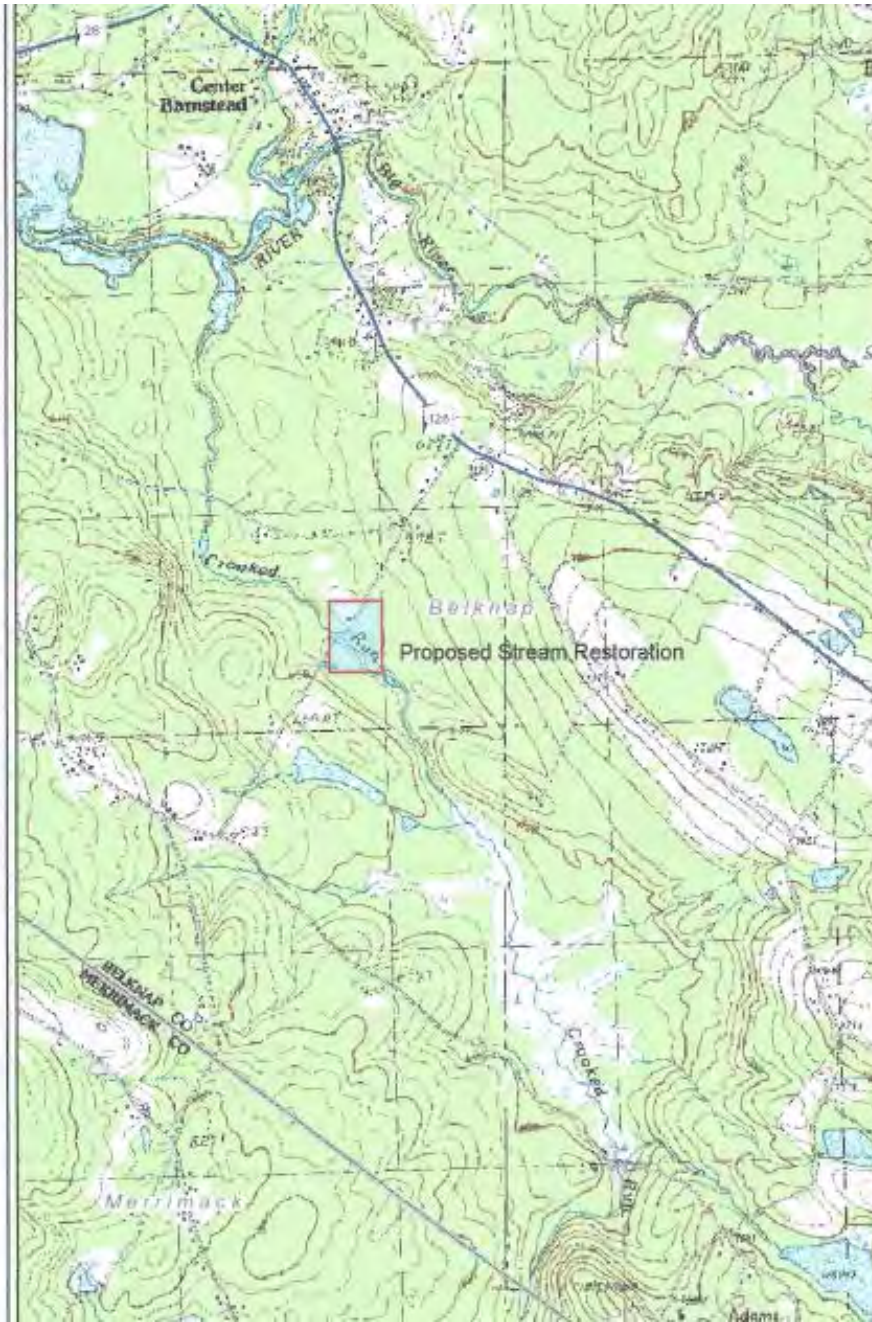
-  Brooks Tract
-  Brooks Project CE
-  Conservation - Public Lands



0 520 1,040 Feet

Map Preparer: T.E. Jones

Crooked Run Stream Restoration/Town of Barnstead



Legend

- State
- County
- City/Town
- Interstates
- Turnpikes
- US Routes
- State Routes
- Local Roads

Map Scale
1: 25,977



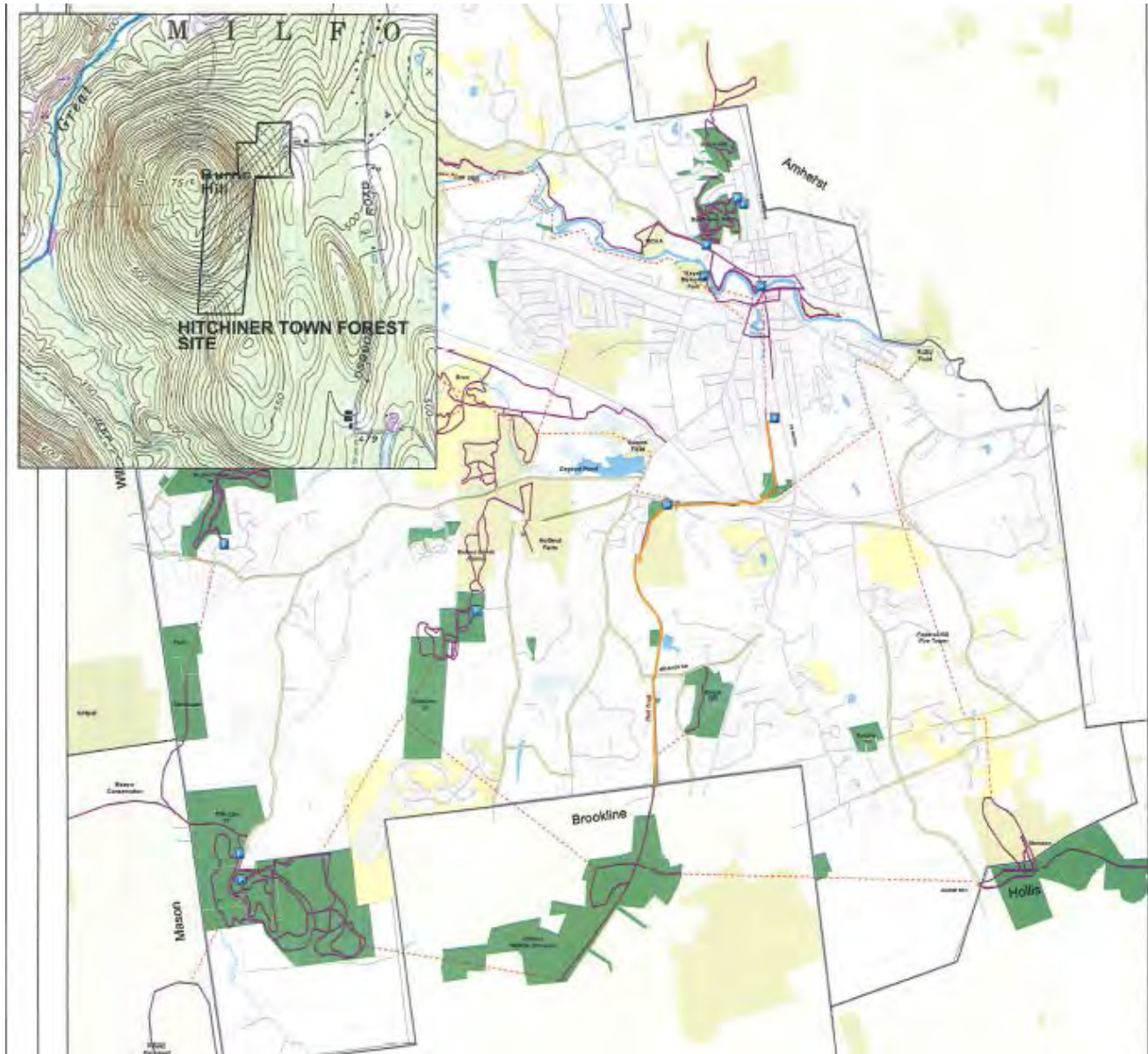
© NH GRANIT, www.granit.unh.edu
Map Generated: 4/5/2016

Notes

Scale: 1" = 3006 Ft.



Hitchiner Town Forest/Milford Conservation Commission



Legend

- Future Trails
- Existing Trails
- Parking Access to Trails
- Conservation Land
- Open Space
- Other Protected Land

DISCLAIMER: Planned trails will not be located exactly as shown. The purpose of the dotted lines is to show where connections are desired. New trail connections will be in the vicinity but not necessarily through the properties indicated. The dotted lines are NOT existing trails and those are NOT open to the public.

www.milford.nh.gov/conservation
concommit@milford.nh.gov



Portsmouth St. Stream Restoration/City of Concord

Site Locus
City of Concord
Portsmouth Street Stream Crossing
Restoration Project
Concord, New Hampshire

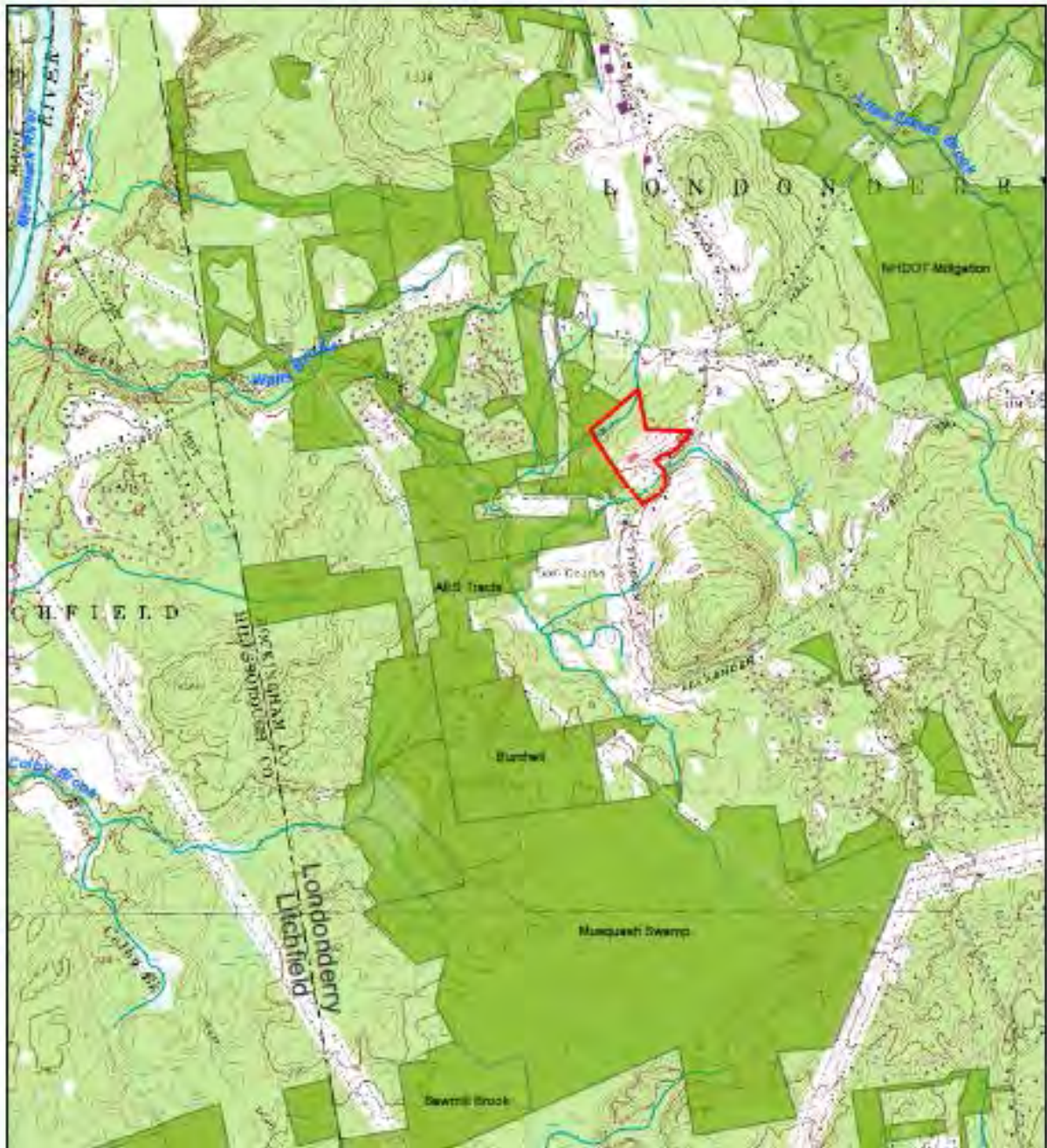


Scale 1:12,000




Stoney Ridge Environmental-229 Prospect Mountain Rd.-Alton, NH 03809





Doyle Stream Protection/Londonderry



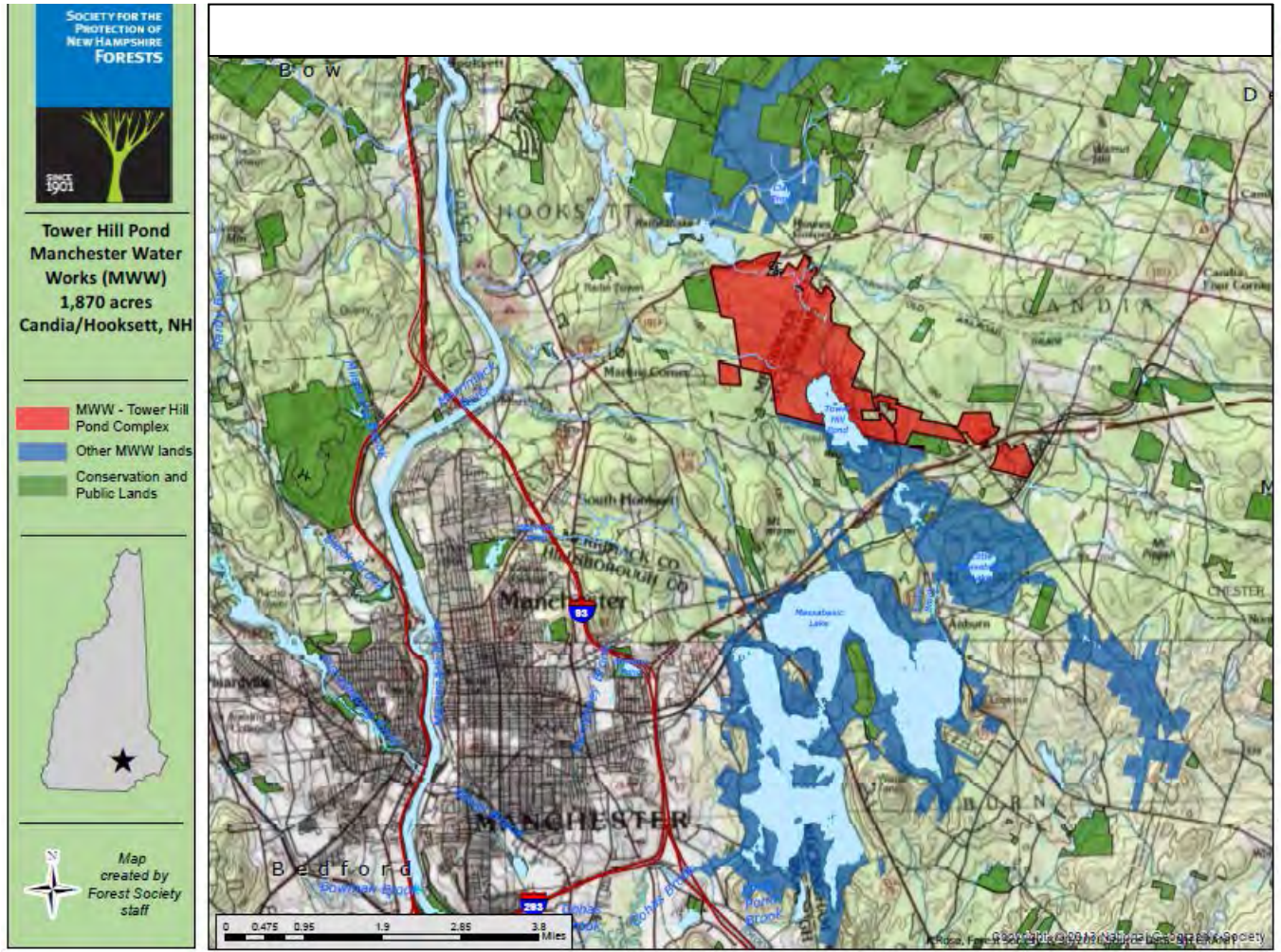
Topographic Locus Map
North Londonderry Stream Protection
Doyle Property
Londonderry, NH

 Doyle Tract Boundary
 Excluded Area
 Conservation or Public Land


0 2,500 5,000 Feet


SELT
All Boundaries are approximate
Map prepared by
Southeast Land Trust of NH
April 2018

Tower Hill Pond/Society for the Protection of NH Forests







Mathes Property/NH Fish and Game Dept.



Data sources: NH GRANIT (UNH)
and OpenStreetMap, 19 July 2016.
Not intended for legal use.

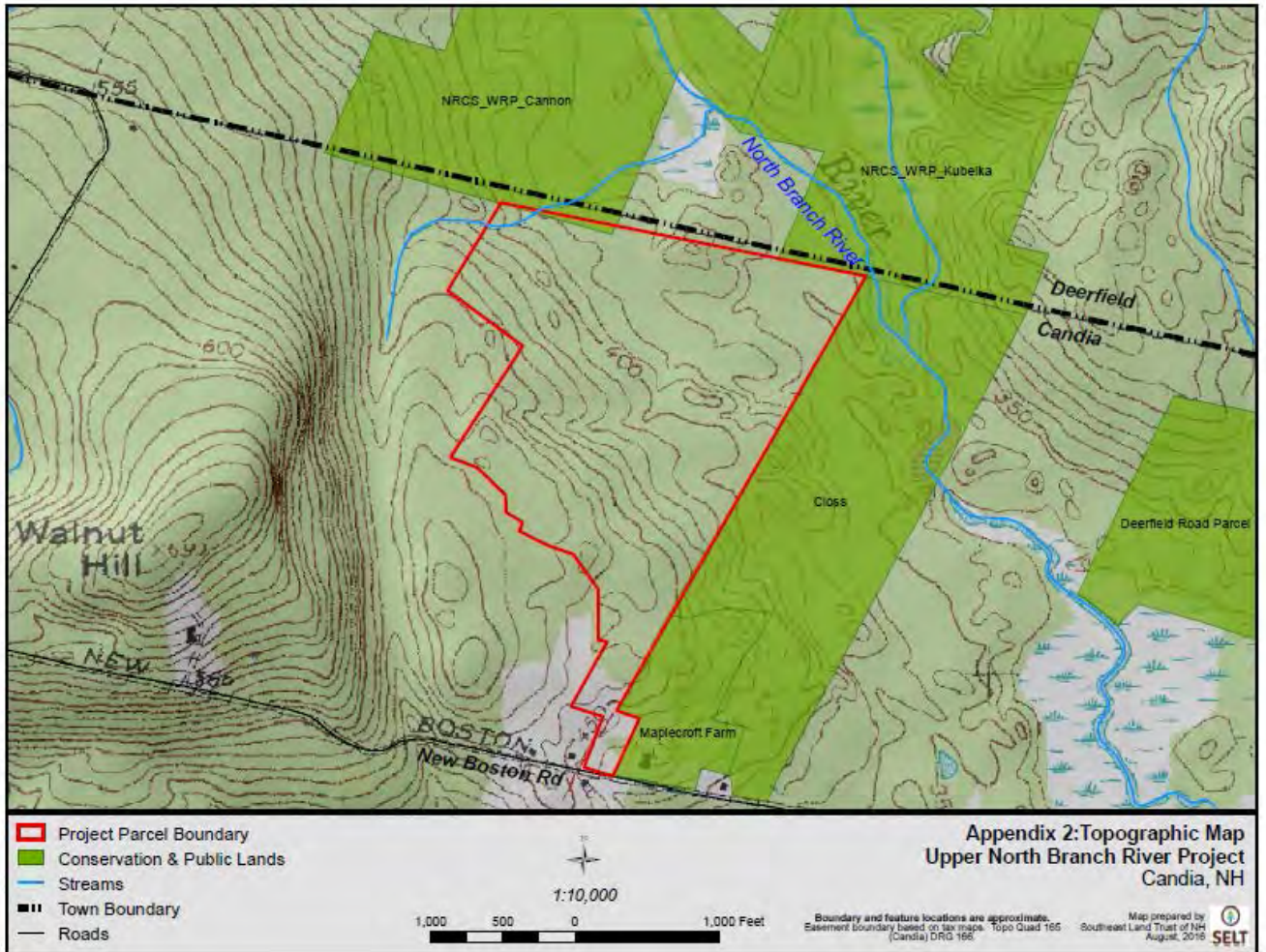
0 0.25 0.5
Kilometers

0 0.25 0.5
Miles

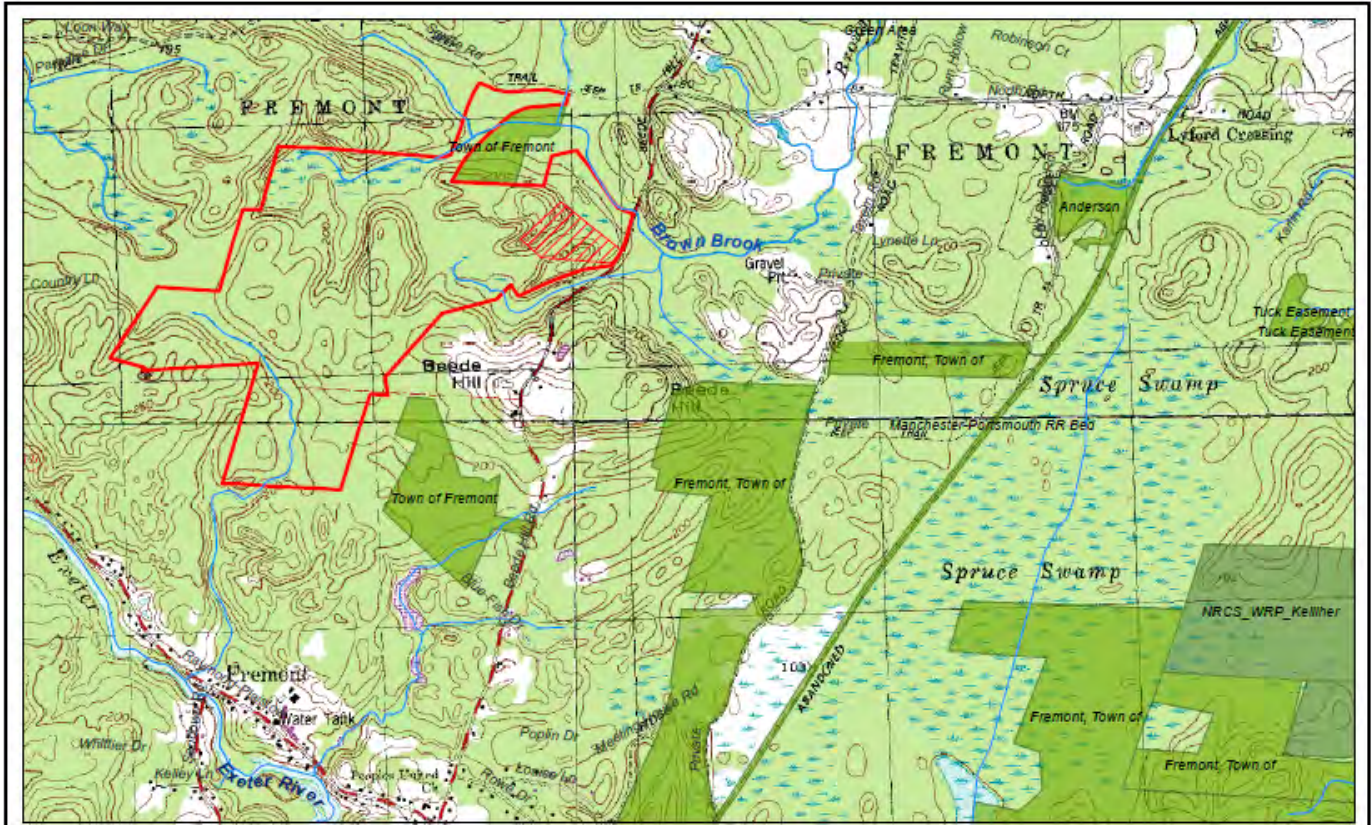
-  Parcel boundary
-  Road or Street
-  Trail (NHOEP/NHFG)
-  Trail (Open Street Map)

Map prepared: 8/30/2016

Upper North Branch River/Southeast Land Trust

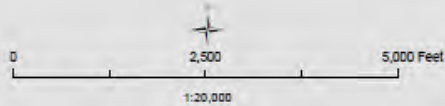


Horsburgh Property/Southeast Land Trust



- ▭ Horsburgh Property
- ▨ Excluded Area
- ▭ Conservation or Public Land
- Streams

**Locus & Topographic Map
Horsburgh Property
Fremont, NH**

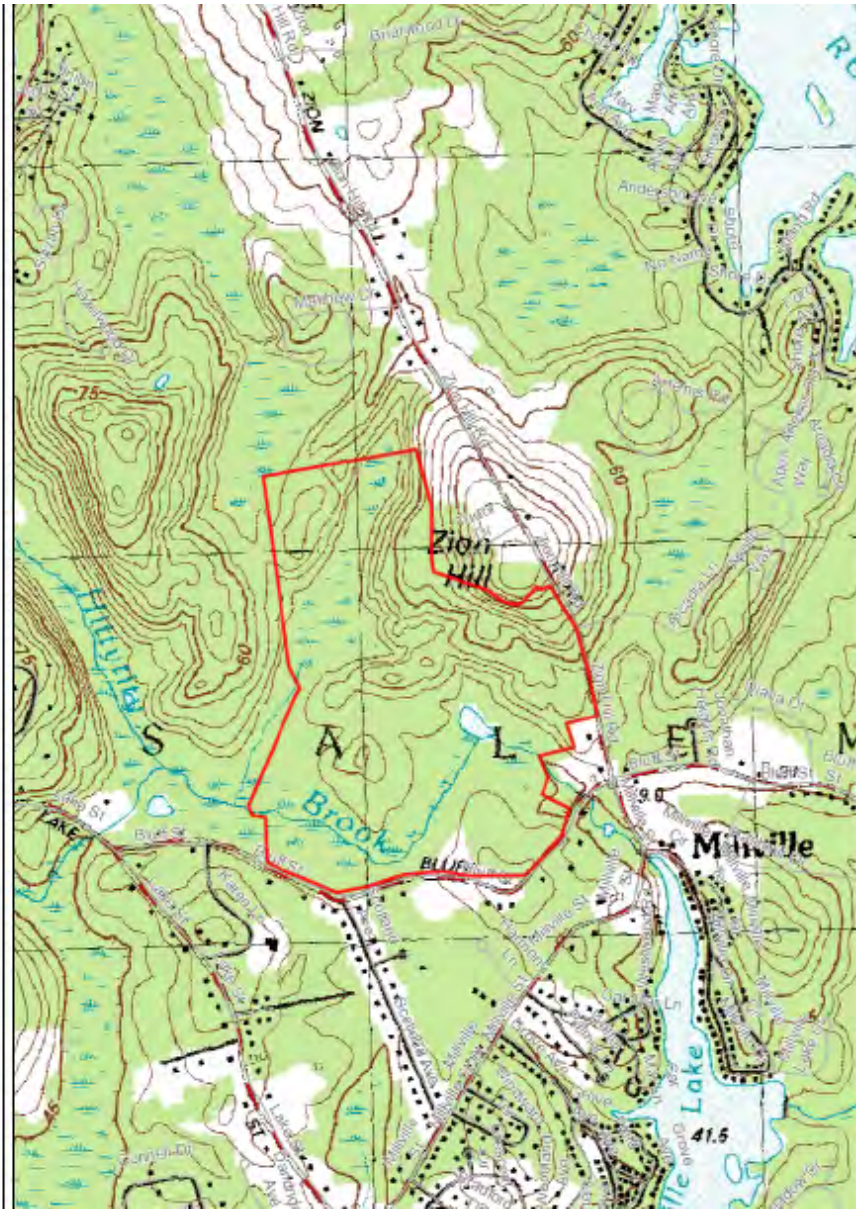


Boundary and feature locations are approximate. Easement boundary based on tax maps.

Map prepared by
Southeast Land Trust of NH
April 2016



Salem Town Forest/Town of Salem



- Legend**
- Interstates
 - Turnpikes
 - US Routes
 - State Routes
 - Local Roads

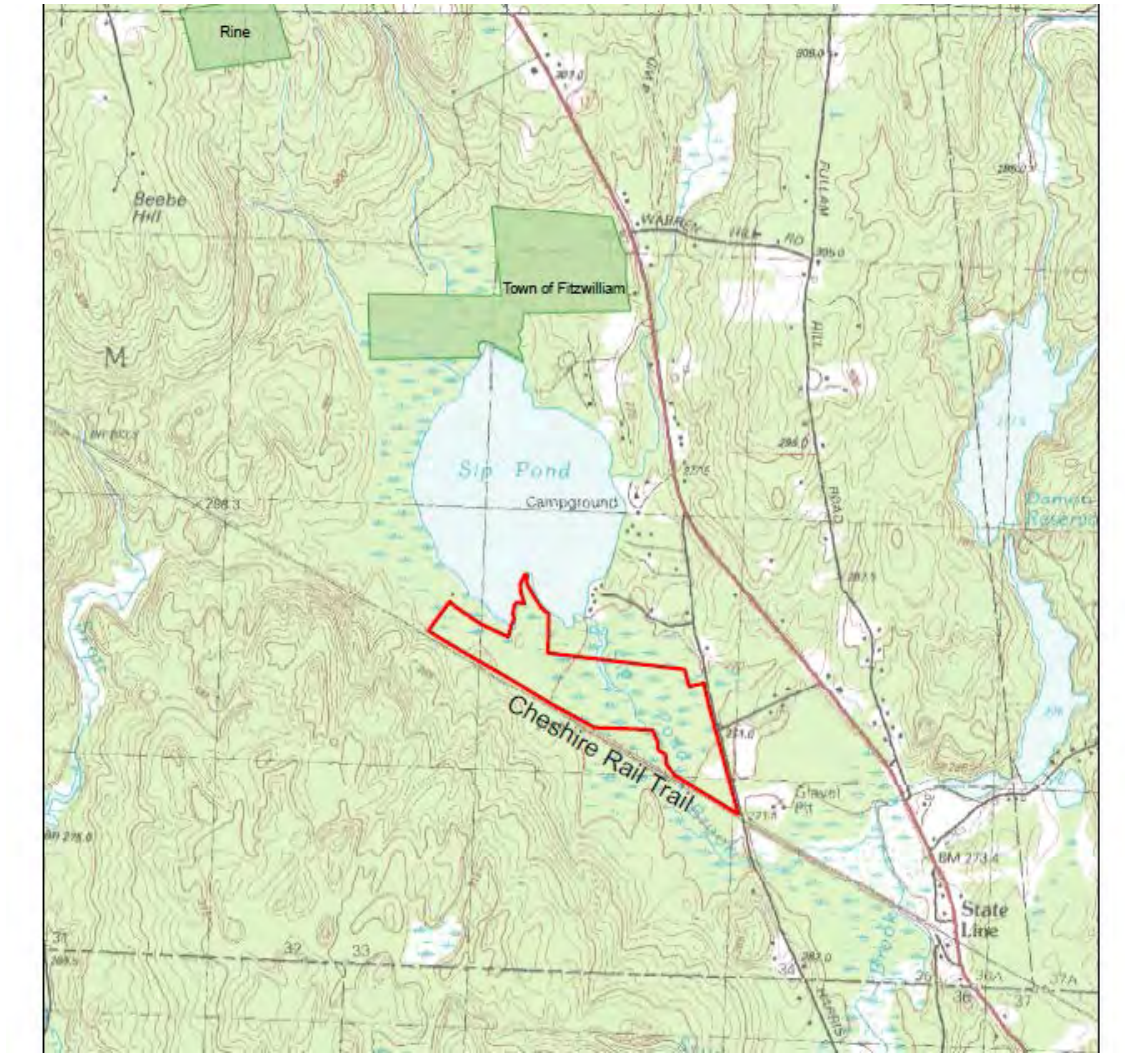
Map Scale
1: 14,387

© NH GRANIT, www.granit.unh.edu
Map Generated: 4/22/2016





Notes

Sip Pond/Monadnock Conservancy



Sip Pond/Chamberlain property, Fitzwilliam

**MONADNOCK
CONSERVANCY**
NAD 83 - NH State Plane
McBride, 8/15/16
Source: GRANIT & SWRPC

-  Chamberlain property
-  Monadnock Conservancy Lands
-  Other Public & Protected Lands (GRANIT)

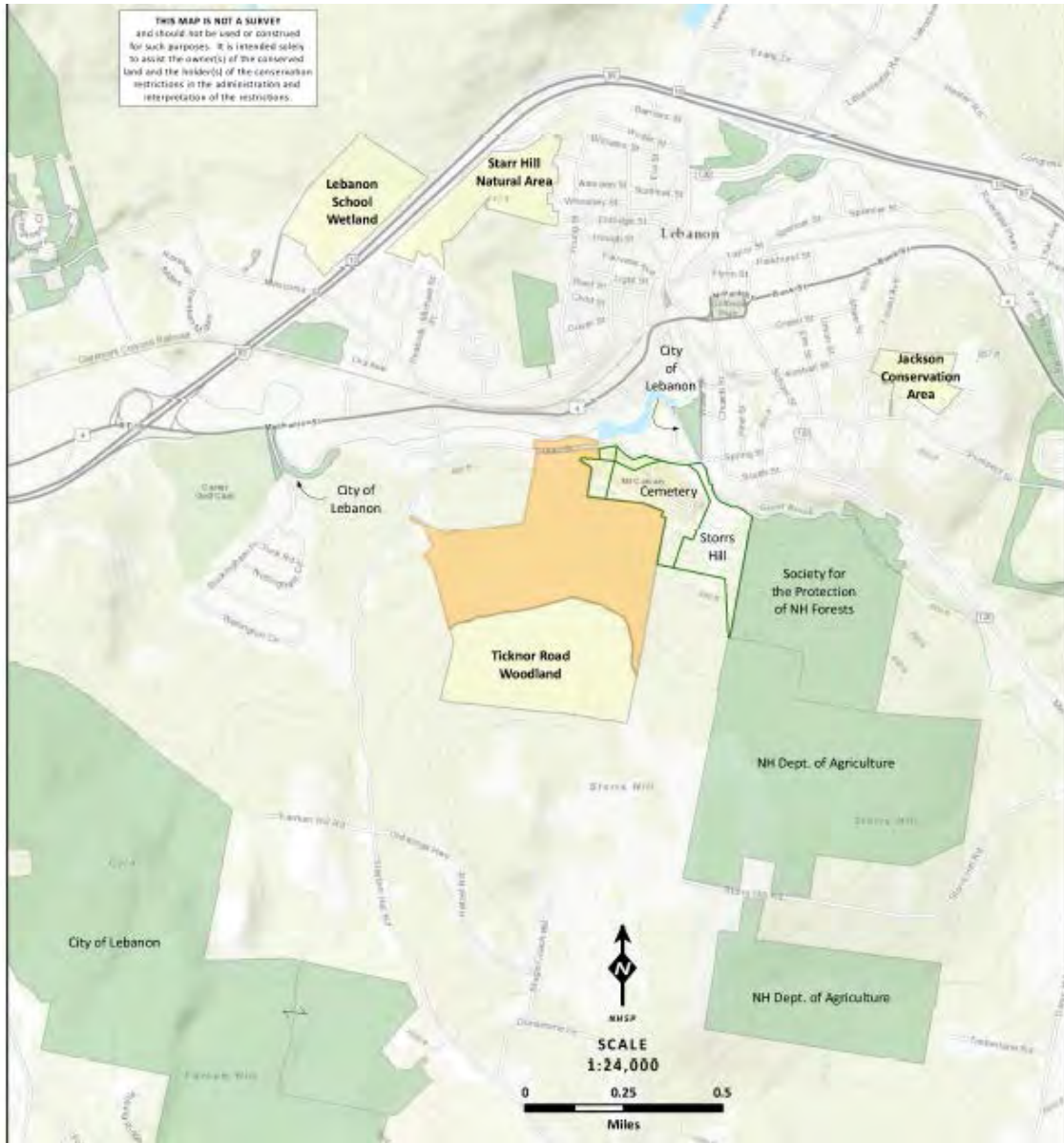
Note: Map is not survey accurate.

1:20,000

0 0.125 0.25 0.5
Miles



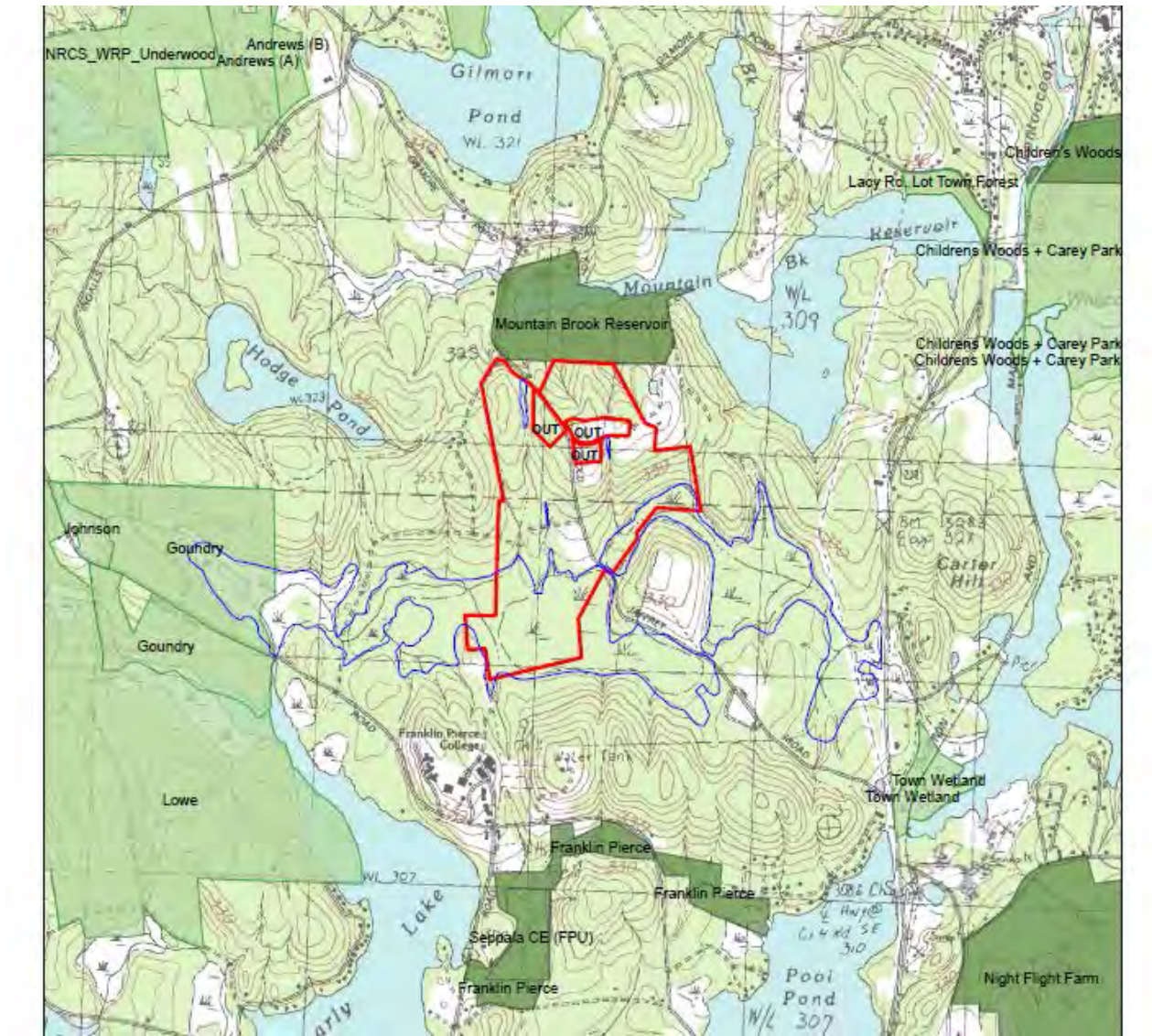
Ticknor Woods Addition/Upper Valley Land Trust



Data Sources: The Subject Property configuration is based on a subdivision plan by Holden Engineering & Surveying, Inc. from November 2011. Public and Conserved lands obtained from NH GRANIT and LVLVT; Topographic map background from National Geographic Society, ArcGIS map service (2013); Map Coordinate System: NH 3PCS, NAD 83, R; ArcMap File: TicknorWoodsAddition_TopoLoc_Aug2016.mxd; Map date: August 2016



Bearce/Monadnock Conservancy

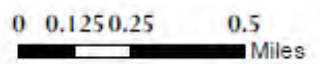


NAD 83 - NH State Plane
 McBride, 8/22/16
 Source: GRANIT & SWRPC

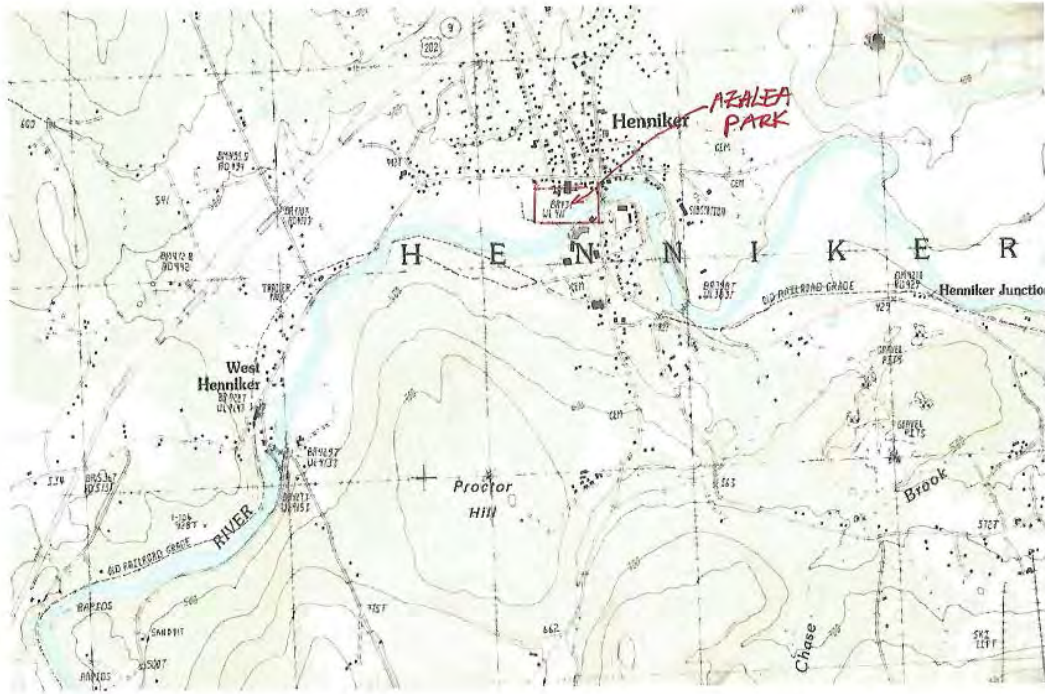
- Wetlands on the property
- Bearce property
- Monadnock Conservancy Lands
- Other Public & Protected Lands (GRANIT)

Note: Map is not survey accurate.

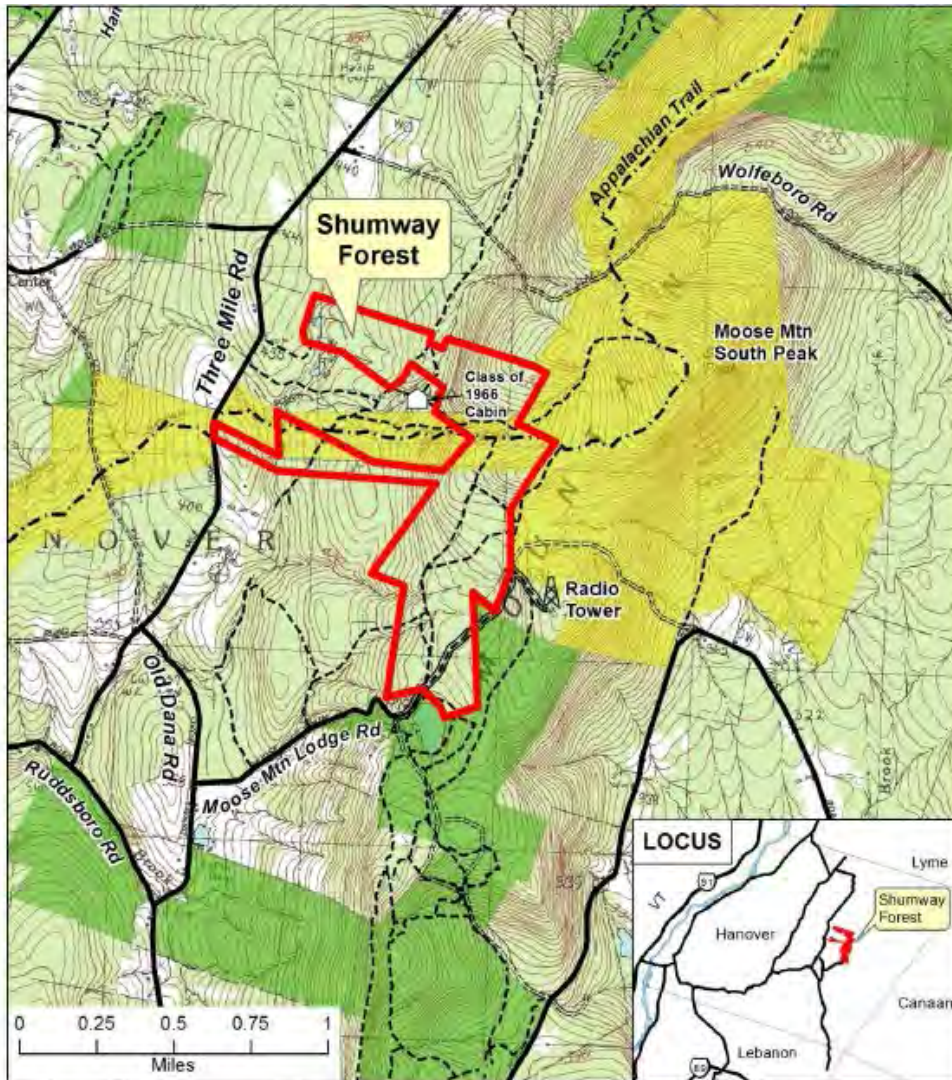
1:24,000



Azalea Park/Town of Henniker River Walk Committee



Shumway Forest Conservation Project/Hanover Conservancy



Map compiled for the Hanover Conservancy by Stonehouse Mtn Mapping
 Map Data Sources: © www.appalachiantrail.org and GPS. Other trails: Courtesy of Doug McIntyre, edited. Water Features:
 from Boundaries: ProjectedPublicLand.com ©2011. Edited: Other Properties: 2011 Hanover tax maps, edited surveys and deeds.
SMM

Shumway Forest

Roads:

- Maintained Roads
- Right of Way
- Class VI Roads

Trails:

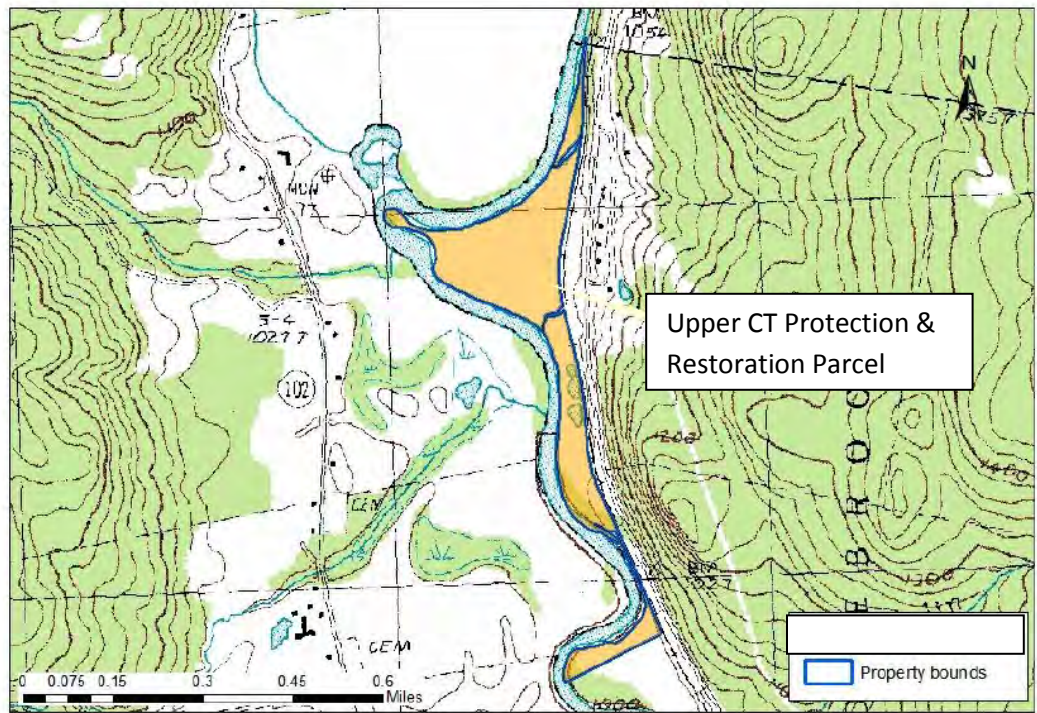
- Appalachian Trail
- Other Trails

Protected and/or Public Lands:

- Appalachian Trail Lands or Easements
- Other Protected and/or Public Lands



Upper CT Floodplain Protection and Restoration/The Nature Conservancy



Property: Brunault

1/26/2016

Nash Stream Phase 2/Trout Unlimited

