

STATE OF NEW HAMPSHIRE
DEPARTMENT OF ENVIRONMENTAL SERVICES

Aquatic Resource Mitigation Fund
RSA Chapter 482-A

Fiscal Year
2014
Report



Water Division/Wetlands Bureau

Introduction

Compensation for unavoidable wetland impacts has been a part of the New Hampshire Department of Environmental Services (hereinafter "DES") Wetlands Bureau program since the mid 1980's and now serves as a critical part of the program to address impacts under the federal Clean Water Act (CWA), Sections 401 and 404 which result in the discharge of dredged or filled materials within "waters of the U.S." Under the U.S. Army Corps of Engineers General Permit for New Hampshire, compensatory mitigation for proposed wetland dredge and fill impacts is required for projects having more than 10,000 square feet of wetland impact, and for minor projects when deemed appropriate by the Corps, to comply with federal standards. During the 2006 legislative session, the General Court enacted Senate Bill 140, known as Aquatic Resource Compensatory Mitigation Fund (hereinafter "ARM Fund"). These provisions are codified at RSA 482-A:28-33. The law creating the ARM Fund program became effective on August 18, 2006, and DES adopted implementing rules effective on June 20, 2007.

As a result, the ARM Fund has become one of several compensatory mitigation options available to permittees for impacts to wetlands and other aquatic resources. This mitigation option is available for use after avoidance and minimization of impacts to these aquatic resources has been achieved. Although compensatory mitigation is often a requirement in permits, use of the ARM Fund can only occur after the applicant has reviewed other available forms of mitigation in the vicinity and local community. The ARM Fund seeks "no net loss" of aquatic resource acreage and functions using a watershed approach. DES has the authority to collect the funds and they are pooled together according to a modified Hydrologic Unit Code 8 (HUC 8) watershed level.

Program Improvements

Applicants are instructed that an ideal ARM Fund grant project would provide aquatic resource restoration within the context of a proposed land conservation proposal. The success of the ARM Fund program is attributed to applicants using best available data to locate high quality habitat areas and use the funds to provide long-term protection of land through fee simple ownership by a conservation entity or completing a conservation easement transaction. The key to success is the long-term protection of those wetland functions that are restored or enhanced. Where project scores are comparable, preference will be given to those projects that provide long term protection of the project area and its buffer or provide long term management to ensure the greatest environmental benefit from funds available. DES encourages applicants to review the wildlife habitat value in terms of significance in the state and in the biological region. This information is provided by the New Hampshire Fish and Game Department *Wildlife Action Plan* which is updated every five years. The opportunity that a project provides connectivity to other protected resources or is in close proximity to the wetland impacts is also considered. Opportunities to provide benefit to rare resources are also looked upon favorably. Proposals are scrutinized for the likelihood of project success and the sustainability of the wetland functions and values that are proposed for restoration, enhancement, preservation, or creation. In addition, the overall mitigation potential, environmental significance of the project, project cost-effectiveness and partnership potential are assessed during the evaluation and ranking of applications. Out of the 38 grant awards to date, there have been 17 land protection projects, 13 projects with a combination of preservation and restoration measures provided and 8 projects that involved only restoration or enhancement activities.

Land values are high in New Hampshire. For projects to be successful, it is important for applicants to leverage additional funds for completion of the project. The types of projects pursuing ARM Funds have had good success in securing multiple funding sources. Leveraged funds are defined as additional funding for a project that is counted toward completion of the project. Applicants are encouraged to pursue partnerships as much as possible and leveraged funds are noted in the budget materials. However, the credits granted to a project are pro-rated based on the percent of the overall cost that is covered by the ARM Funds. Figure 1 and 2 illustrate the amount of land protected through each grant round as well as information on the total of funds provided by the ARM program and matching funds for the completion of the projects.

FIGURE 1. LAND CONSERVATION ACREAGE PER GRANT YEAR AND TOTAL FOR PROGRAM

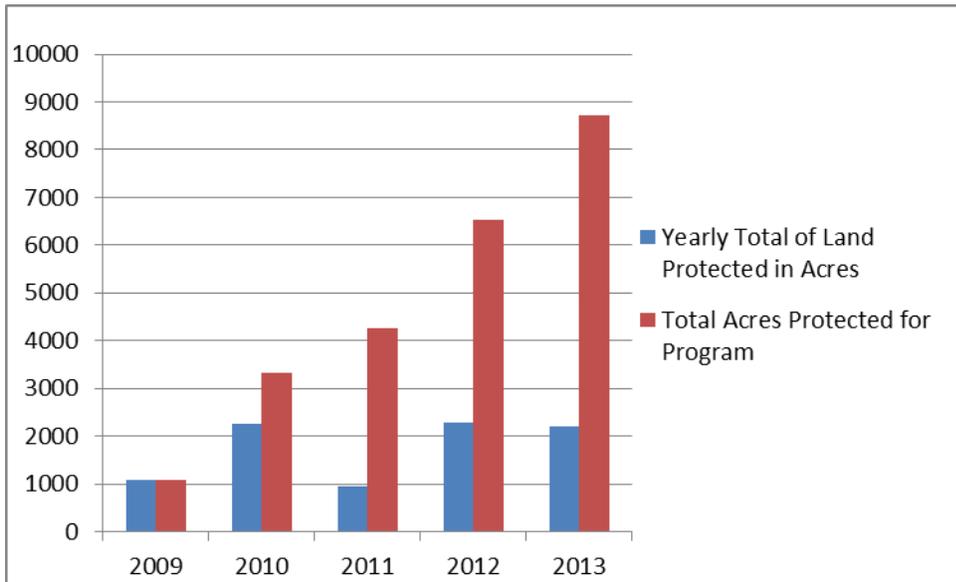
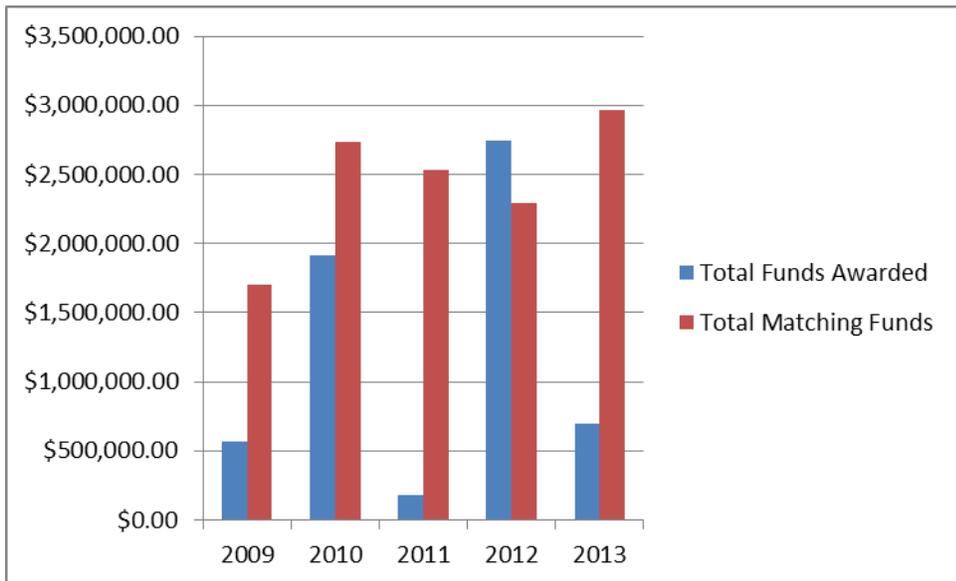


FIGURE 2. ARM FUNDS AND LEVERAGED FUNDS ACCORDING TO GRANT ROUND



During the 2014 state fiscal year, the ARM Fund program began collaborating with the New Hampshire Department of Transportation (NHDOT) on an innovative approach to develop an inventory of deficient culverts or crossings on the state transportation system that fragment stream reaches that could be funded through in-lieu fee funds. These deficient culverts or barriers to aquatic organism passage are proposed to be replaced/rehabilitated as mitigation for other stream impacts. The collaboration between NHDES and NHDOT will result in a robust inventory of crossing locations that lack aquatic organism passage, a system to prioritize the replacement of crossings with the most potential to exacerbate the effects of climate change, and a funding arrangement that addresses rehabilitation of existing infrastructure as mitigation for other roadway projects. The stream passage improvement program is a new and promising model of collaboration and utilization of limited funds for measurable environmental gains.

FY 2014 Permits Issued with ARM Fund as Compensatory Mitigation Component

The in-lieu fee option has become a good choice for applicants needing to provide compensatory mitigation. Table 1 provides a list of the projects permitted from July 1, 2013 to June 30, 2014 where the wetland permit holders selected payment to the ARM Fund to satisfy mitigation requirements.

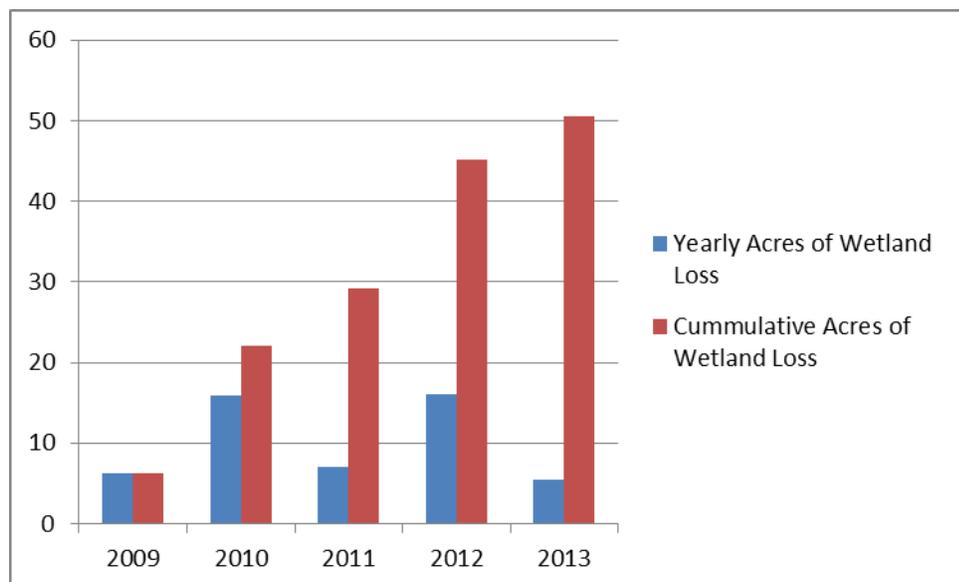
TABLE 1. WETLAND PERMITS ISSUED IN FY 2014 USING ARM FUND

TOWN/ DES & CORPS FILE NUMBER	SERVICE AREA	WETLAND LOSS		STREAM LOSS Lin ft	TEMPORARY IMPACTS		ARM FUND REVENUE/ ADMIN FEE)	DEPOSIT DATE
		Sq ft	and Ac		Sq ft	and Ac		
Rochester/ 2013- 388/NAE- 2013-1036	Salmon Falls – Piscataqua Rivers	12,840	0.29				\$49,102.60/ \$4,463.92	7/18/2013
Nashua/ 2013- 2141/NAE- 2013-2270	Merrimack River	16,976	0.39				\$73,834.11/ \$6,712.19	9/30/2013
Manchester/ 2012- 3256/NAE- 2013-921	Merrimack River	21,300	0.49				\$92,646.85/ \$8,422.44	8/29/2013
Alton/ 2012- 3264/NAE- 2013-806	Pemi- Winni Rivers	11,524	0.26				\$41,944.13/ \$3,813.10	9/27/2013
Haverhill/ 2012- 2682/NAE- 2013-77	Middle CT River	14,108	0.32				\$43,697.72/\$ 3,972.52	10/15/2013
Winchester- Swanzey/ 2013- 380/NAE- 2013-2198	Lower CT River			541			\$119,020.00/ \$10,820.00	11/8/2013
Windham/ 2012- 2681/NAE- 2012-2409	Merrimack River	67,658	1.55				\$288,504.12/ \$26,262.58	12/12/2013
Windham/ 2002- 2033/NAE- 2004-233	Merrimack River	95,850	2.20				\$282,598.51 /\$25,690.77	12/12/2013
Danville/ 2013- 2285/NAE- 2013-2473	Merrimack River	12,920	0.30				\$46,021.96/ \$4,182.99	12/19/2013
Deerfield- Candia/ 2013- 2154/NAE- 2013-1905	Salmon Falls – Piscataqua Rivers	1,986			262,606	6.0	\$69,767.92/ \$6,342.55	1/14/2014
Bedford/ 2010- 197/NAE- 2010-566	Merrimack River	8,671		435			\$129,181.24/ \$6,096.71	1/24/2014

North Hampton/ 2012-2546/NAE-2013-376	Salmon Falls – Piscataqua Rivers	18,618	0.43				\$80,977.40/ \$7,361.43	2/19/2014
Lebanon/2011-2973/NAE-2013-2624	Lower CT River	14,410					\$56,625.37/ \$5,147.76	3/18/2014
Brentwood/ 2013-1501/NAE-2013-1570	Salmon Falls – Piscataqua Rivers	15,650	0.36				\$56,588.46/ \$5,144.41	4/30/2014
Swanzy/ 2014-542/NAE-2014-700	Lower CT River			80			\$69,740.00/ \$6,340.00	6/2/2014
Effingham/ 2013-1075/NAE-2014-942	Saco River	3,087	0.07	14			\$3,080.00/ \$280.00	5/15/2014
Hooksett/ 2014-566/NAE-2014-743	Merrimack River	11,620	0.27	198			\$9,146.66/ \$2,400.00	6/16/2014
Laconia/ 2014-129/NAE-2014-306	Pemi- Winni Rivers			21			\$13,860.00/ \$1,260.00	6/25/2014
TOTALS		327,218	7.51	1,289	262,606	6.0	\$1,188,115.32 /\$134,713.37	

In this time period, 17 permits were issued that included 7.51 acres of wetland loss, 1,289 linear feet of stream loss, and 6.0 acres of temporary impacts due to conversion of forested wetlands to emergent or scrub shrub wetlands. The ARM Fund received mitigation fees of \$1,361,071.54 from the cumulative loss. Figure 3 provides a summary of the yearly wetland loss and running total for the program.

FIGURE 3. YEARLY AND CUMMULATIVE WETLAND LOSS FROM PAYMENTS INTO THE ARM FUND, 2009-2013



ARM Fund Disbursements in FY 2014

The ARM Fund program grants funds to projects involving wetland and/or stream restoration, wetland enhancement, and/or preservation of upland buffers associated with high quality aquatic resources. The ARM Fund has been utilized by projects in several watersheds since the program inception. The projects that were provided payment during FY 2014 are noted in Table 2 as well as active projects with encumbered funds to be spent in the coming year.

TABLE 2. ARM FUND DISBURSEMENTS FOR PROJECTS IN FY 2014 AND ACTIVE PROJECTS

Project Name: Pennichuck Water Works			
Applicant: Society for the Protection of NH Forests	Watershed: Merrimack River	Town: Merrimack	
ARM Funds Disbursed in FY 2014: \$737,170.00	Total ARM Fund Grant Awarded in 2012 : \$737,170.00	ARM Fund Amount Spent to Date: \$737,170.00	Remaining Amount Encumbered: \$0
Project Name: Evans Mountain			
Applicant: Bear-Paw Regional Greenways	Watershed: Merrimack River	Town: Strafford	
ARM Funds Disbursed in FY 2014: \$17,750	Total ARM Fund Grant Awarded in 2010: \$367,750.00	ARM Fund Amount Spent to Date: \$367,750.00	Remaining Amount Encumbered: \$0
Description: The goal of the project was to permanently protect the 1,015 acre Evans Mountain property in Strafford by combining fee ownership by the Town of Strafford and the Blue Hills Foundation with a conservation easement(s) held by Bear-Paw Regional Greenways. This parcel is part of a 6,000 acre unfragmented forest that includes headwater streams of Bow Lake and the Nippo Brook/Isinglass River in the Salmon Falls - Piscataqua River watershed. The project includes a wetland restoration and aquatic resource improvement component which proposes to restore 18 degraded sites. More than 980 acres of the property are ranked as either "highest ranked in the state" or "highest ranked in the biological region" in the 2010 Wildlife Action Plan.			
Project Name: Soucook River Headwaters - Ames Road Forest and Wetlands Watershed Protection Project			
Applicant: Five Rivers Conservation Trust	Watershed: Merrimack River	Town: Canterbury	
ARM Funds Disbursed in FY 2014: \$68,830.00	Total ARM Fund Grant Awarded in 2012: \$68,830.00	ARM Fund Amount Spent to Date: \$68,830.00	Remaining Amount Encumbered: \$0
Description: The Five Rivers Conservation Trust purchased a conservation easement that protects 119 acres of forest and wetland in the headwater of the Soucook River watershed. The property includes 16 acres of marsh and open water, 2,240 feet of streams, and 5 vernal pools with more than 12,630 feet of riparian shoreline. Otter Pond and New Pond are on the property and this area is a conservation priority in the Canterbury Master Plan. The property has over 4,000 feet of frontage on Ames Road, a class VI road used for recreation. Water bars and erosion improvement measures were constructed along the road to eliminate drainage into the pond, a portion of the road was relocated to avoid sensitive shoreline plants, and roads have been closed to ATV and 4-wheelers. NRCS will continue to assist the landowner in invasive species eradication/management.			
Project Name: River Road Marsh Restoration			
Applicant: New Castle Conservation Commission	Watershed: Salmon Falls - Piscataqua Rivers	Town: New Castle	
ARM Funds Disbursed in FY 2014: \$116.75	Total ARM Fund Grant Awarded in 2010: \$27,993.00	ARM Fund Amount Spent to Date: \$27,993.00	Remaining Amount Encumbered: \$0

Description: The New Castle Conservation Commission in partnership with the Rockingham County Conservation District completed a project that provided 0.5 acres of salt marsh restoration. The wetland area that was restored is expected to perform multiple functions as it will provide high wildlife habitat value, sediment retention, nutrient removal, educational and aesthetic potential.			
Project Name: Hinman Pond I			
Applicant: Bear-Paw Regional Greenways	Watershed: Merrimack	Town: Hooksett	
ARM Funds Disbursed in FY 2014: \$500,000.00	Total ARM Fund Grant Awarded in 2012: \$507,800.00	ARM Fund Amount Spent to Date: \$500,000.00	Remaining Amount Encumbered: \$7,800.00
Description: Bear-Paw and NH Fish & Game (NHFG) conserved 460 acres of high value wildlife habitat on Hinman Pond including over 76 acres of wetlands. The property was purchased by Bear-Paw with a conservation easement held by NHFG. The parcel lies within a WAP conservation focus area that is greater than 20,000 acres in size. The parcel is primarily hemlock-hardwood-pine forest and includes the largest 100 acres of Appalachian-oak-pine exemplary forest known in NH. 27 wetlands on the property total 76 acres including the prime wetland, Hinman Pond and approximately 43 vernal pools. Three perennial streams provide almost 1 mile of riparian habitat which flow to Dubes Pond and one flows north to Head Pond and then the Merrimack River. The Hinman Pond property provides critical habitat for several rare or endangered species including Blandings and spotted turtles. The property abuts Bear Brook State Park and Manchester Water Works properties and lies within the Lake Massabesic watershed, Manchester's public drinking water supply.			
Project Name: Strolling Woods Conservation Project			
Applicant: City of Franklin	Watershed: Pemigewasset - Winnepesaukee Rivers	Town: Franklin	
ARM Funds Disbursed in FY 2014: \$236.57	Total ARM Fund Grant Awarded in 2010: \$131,500.00	ARM Fund Amount Spent to Date: \$131,500.00	Remaining Amount Encumbered: \$0
Description: The City of Franklin used ARM funds to restore wetlands, provide water quality improvements to Webster Lake, and conserve a 15 acre parcel that will adjoin a 226 acre parcel recently funded through the Natural Resource Conservation Service Wetland Reserve Program.			
Project Name: Avery Brook Watershed Project			
Applicant: Francestown Land Trust	Watershed: Merrimack River	Town: Francestown	
ARM Funds Disbursed in FY 2014: \$235,290.00	Total ARM Fund Grant Awarded in 2012: \$237,000.00	ARM Fund Amount Spent to Date: \$235,290.00	Remaining Amount Encumbered: \$1,710.00
Description: The project involved the purchase of a conservation easement by Francestown Land Trust to protect 182 acres of land which is the entire catchment of Avery Brook as it meanders through forestland and exemplary wetland communities to its confluence with the Piscataquog River. Restoration work includes lowering a perched culvert, installing water bars on a logging road, and enhancing 200 feet of a riparian buffer. No-cut buffers around aquatic resources are included in the conservation easement. The Avery Brook catchment connects and enhances the ecological function of over 3,700 acres of biologically diverse protected land. The property includes the entire length of Avery Brook west, nearly all of Avery Brook East, and frontage along the South Branch of the Piscataquog River.			
Project Name: Plaistow Town Forest			
Applicant: Southeast Land Trust of NH	Watershed: Merrimack River	Town: Plaistow	
ARM Funds Disbursed in FY 2014: \$70,000.00	Total ARM Fund Grant Awarded in 2012: \$100,000.00	ARM Fund Amount Spent to Date: \$70,000.00	Remaining Amount Encumbered: \$30,000.00

<p>Description: The Town with assistance from Southeast Land Trust worked to place conservation easements on lands acquired through tax default totaling 350 acres. There are 17 parcels known, or believed to be owned by the town which have been managed as town forests for the forest resources. The project will conserve an unfragmented block of land that encompasses more than 490 acres. The town forests are mature forests dominated by Appalachian Oak-pine and more than 1.2 miles of riparian corridor along Kelly Brook. There are at least 6 beaver impoundments that encompass more than 60 acres along inlet streams and main stem of Kelly Brook with numerous vernal pools and an active heron rookery. Restoration work planned for the properties will focus on upgrades to heavily used sections of the recreation trail network and repairs from damage to the site by ATV and 4-wheelers.</p>			
<p>Project Name: Merrimack Riverfront Project</p>			
<p>Applicant: Town of Hooksett</p>	<p>Watershed: Merrimack River</p>		<p>Town: Hooksett</p>
<p>ARM Funds Disbursed in FY 2014: \$150,000.00</p>	<p>Total ARM Fund Grant Awarded in 2012: \$150,000.00</p>	<p>ARM Fund Amount Spent to Date: \$150,000.00</p>	<p>Remaining Amount Encumbered: \$0</p>
<p>Description: The Town of Hooksett received funds for the purchase of the 122 acre parcel to be protected by a conservation easement held by the Society for the Protection of New Hampshire Forests. The parcel includes 3,900 linear feet of frontage on the Merrimack River, 37 acres of wetlands within the 100-year floodplain of the Merrimack River, and 30.5 acres of one prime wetland. The entire parcel overlies a stratified drift aquifer and is within a source water protection area. The project has been identified by the Hooksett Open Space Plan as a high priority for protection. The project area contains Tier 1 and Tier 2 habitats as identified by the NH Fish & Game Wildlife Action Plan.</p>			
<p>Project Name: Beaver Brook Restoration Project</p>			
<p>Applicant: City of Keene</p>	<p>Watershed: Lower Connecticut River</p>		<p>City: Keene</p>
<p>ARM Funds Disbursed in FY 2014: \$0</p>	<p>Total ARM Fund Grant Awarded in 2014: \$277,707.00</p>	<p>ARM Fund Amount Spent to Date: \$0</p>	<p>Remaining Amount Encumbered: \$277,707.00</p>
<p>Description: The proposed project includes restoration of approximately 1 acre of historically filled wetlands and stream restoration activity within the Beaver Brook watershed in the City of Keene. The proposed restoration will advance the on-going effort to restore Beaver Brook, augment flood storage in this area of the City, and create additional scientific and educational opportunities that complement on-going projects within the Watershed. The proposed restoration parcel is contiguous with Robin Hood Park, which is a 110-acre conservation parcel. In addition, the proposed project includes stream restoration activities in an area of stream that will be redirected from a constructed channel into the wetland south of Woodlawn Cemetery. Invasive species will be removed, mainly a large Japanese knotweed colony. Research of the parcel deed and two abutting parcels is also proposed to potentially protect the area in perpetuity.</p>			
<p>Project Name: Hanchetts Brook Conservation Project</p>			
<p>Applicant: Upper Valley Land Trust</p>	<p>Watershed: Lower Connecticut River</p>		<p>Town: Plainfield</p>
<p>ARM Funds Disbursed in FY 2014: \$0</p>	<p>Total ARM Fund Grant Awarded in 2012: \$293,090.00</p>	<p>ARM Fund Amount Spent to Date: \$0</p>	<p>Remaining Amount Encumbered: \$293,090.00</p>
<p>Description: Description: The Upper Valley Land Trust will purchase a conservation easement on the two parcels in order to protect approximately 400 acres of undeveloped land. Goals for Hanchetts Brook Forest, a 101 acre parcel are to permanently protect frontage (1,750 feet of brook traverses the parcel) and wetlands (0.5± acres observed) along Hanchetts Brook. Hanchetts Brook flows from Sky Ranch Pond, a deep emergent marsh with surrounding shrub marsh encompassing about 10 acres. Much of the Sky Ranch Pond watershed is under the protection of a UVLT easement, however that easement does not include a riparian buffer around the shore. The owner of the pond is willing to donate additional restrictions around the pond to leverage this project. Hanchetts Brook flows approximately 5,870 feet from Sky Ranch Pond to the Connecticut River. The protection of a significant portion of Hanchetts Brook will benefit water quality in the area and may serve to benefit potential NHB species. Goals for Black Hill Forest are to protect 300 acres of upland forest adjacent to the brook with 13.2 acres of wetland resources including a perennial stream and vernal pools.</p>			
<p>Project Name: Baird Property, Snake River Project</p>			
<p>Applicant: Town of New Hampton</p>	<p>Watershed: Pemigewasset-Winnepesaukee River</p>		<p>Town: New Hampton</p>

ARM Funds Disbursed in FY 2014: \$0	Total ARM Fund Grant Awarded in 2011: \$100,000.00	ARM Fund Amount Spent to Date: \$93,892.00	Remaining Amount Encumbered: \$6,108.00
Description: The project protected 8.1 acres of land with a conservation easement on the Snake River in New Hampton. The Snake River is a largely undeveloped wetland system immediately upstream of Lake Waukegan. This Property includes approximately 1,560 feet of frontage along the Snake River which flows from Lake Winona into Lake Waukegan. Lake Waukegan is the drinking water supply for the Town of Meredith. The health of the Snake River is vital to the water quality of Lake Waukegan as these types of perennial rivers are known to filter and flush-out toxins, pollution and sediments. The Town of New Hampton is acting in conjunction with the Waukegan Watershed Advisory Committee, the Waukegan Shore Owners Association, the Town of Meredith Conservation Commission and the Center Harbor Conservation Commission.			
Project Name: Ammonoosuc River Floodplain and Hanno Pond Preservation and Restoration Project			
Applicant: Ammonoosuc Conservation Trust	Watershed: Middle Connecticut River		Town: Lisbon
ARM Funds Disbursed in FY 2014: \$0	Total ARM Fund Grant Awarded in 2012: \$98,350.00	ARM Fund Amount Spent to Date: \$90,100.00	Remaining Amount Encumbered: \$8,250.00
Description: The Ammonoosuc Conservation Trust preserved nearly one mile of riparian buffer on the Ammonoosuc River. The project is located approximately 1/2 mile upstream of Lisbon Village and potentially includes portions of 4 parcels of land that includes a complex of wetland and agricultural land surrounding Hanno Pond, a 6 acre oxbow pond. The project area is located within the highest yielding and deepest aquifer in the Ammonoosuc River Valley. Nearly the entire site is within the floodplain of the Ammonoosuc River and most of it floods regularly. It is located upstream of municipal water sources at Lisbon and Woodsville and the Lisbon community well lies directly across from the lower section of the project area. Restoration opportunities include bank stabilization, stream improvements and plantings.			

ARM Fund Grant Round Awards Ruled on in November, 2013

NHDES announced the availability of funds in nine service areas in March, 2013. The amount of funding available was as follows:

- **\$200.00** - Androscoggin River (**headwaters in Pittsburg down to Shelburne**)
- **\$46,000.00** – Saco River (**headwaters in Jackson down to Wakefield**)
- **\$350,000.00** – Pemigewasset – Winnepesaukee Rivers (**headwaters in Lincoln, to Franklin and Sandwich down to Alton and Gilmanton**)
- **\$175,000.00** – Salmon Falls to Piscataqua Rivers (**headwaters in Wakefield, from the west in Deerfield and to the south down to Seabrook and the MA border**).
- **\$140,000.00** – Merrimack River (**headwaters in Canterbury down to the MA border**)
- **\$85,000.00** – Lower Connecticut River (**headwaters in Canaan and Lebanon down to MA border**)
- **\$15,000.00** – Contoocook River (**headwaters in Danbury down to Rindge and New Ipswich**)
- **\$120,000.00** – Middle Connecticut River (**headwaters in Dalton and Whitefield down to Hanover**)
- **\$600.00** – Upper Connecticut River Watershed (**headwaters in Pittsburg down to Lancaster and Israel River drainage**).

The program required each applicant to submit a pre-proposal summarizing their project. The pre-proposals were reviewed by NHDES and the ARM Fund Site Selection Committee (“Committee”) and feedback was provided. Full application submittals were due August 12, 2013. Three of the service areas did not receive any applications and these included the Androscoggin River, Lower Connecticut River and Upper Connecticut River service areas. The Committee, NHDES staff and federal agency representatives visited 12 application sites on September 25 through October 14. On October 17 the Committee convened to evaluate and rank the applications and selected nine projects to be funded. The Committee’s recommendations were approved by the Army Corps of Engineers and the Wetland Council. Table 3 provides details of the awards announced by the Committee and a brief description of the gain in resources from each project. These projects will require a grant agreement to be approved by the Governor and Executive Council for funds to be disbursed.

TABLE 3. ARM FUND SITE SELECTION COMMITTEE AWARD SELECTIONS MADE IN NOVEMBER 2013

Service Area: Saco River			
Functions/Values Lost: Floodflow alteration, sediment toxicant retention, nutrient removal			
ARM Funds Available: \$46,000			
Applicant/Project Name: The Nature Conservancy/Green Hills Conservation Project	Town: Conway	ARM Funds Requested: \$46,000	Matching Funds: \$956,575
<p>Description: The goal of the Green Hills Conservation Project is to permanently protect the 1,014 acre Marshall property in Conway, including its approximately 56 acres of high quality, headwater wetlands and on-site adjacent uplands. The Green Hills Conservation Project will link the Green Hills Preserve and other connected conservation land to the north and west with an additional, currently unconnected, 240 acres to the east, creating a 6,500 acre block of conserved land. The property includes 6.5 miles of tributary streams, encompassing virtually the entire Mason Brook watershed. Mason Brook flows into an important aquifer recharge area along the Saco River just south of the property, helping to maintain water quality in many downstream private and commercial wells and in a river system that serves as a recreational destination for thousands every year.</p>			
Service Area: Pemigewasset - Winnepesaukee Rivers			
Functions/Values Lost: Wildlife and finfish habitat			
ARM Funds Available: \$350,000			
Applicant/Project Name: Society for the Protection of NH Forests/Protection of the Frazian Land	Town: Hebron	ARM Funds Requested: \$175,000	Matching Funds: \$55,000
<p>Description: The Society for the Protection of NH Forests seeks to purchase a conservation easement on 197 +/- acres of the Frazian property in Hebron, NH. The property is located near the north end of Newfound Lake at the end of Braley Road, approximately 1.5 miles from Hebron Center. Its entire western boundary abuts the 272-acre Hazelton easement completed this past winter and its southernmost boundary is directly across the road from conserved land on Newfound Lake. This historic property was likely settled in the mid-1700s and later became the Braley Farm at the foot of Tenney Mountain. The property includes over 32 acres of wetlands, 770 linear feet of undeveloped shoreline along the Cockermonth River, and two small brooks which all drain to Newfound Lake.</p>			
Applicant/Project Name: Lakes Region Conservation Trust /Fogg Hill Bog			
Town: Center Harbor			
ARM Funds Requested: \$110,000			
Matching Funds: \$124,000			
<p>Description: The Fogg Hill Bog wetland restoration and land conservation project proposes to conserve 192 acres in Center Harbor, including the following: a prime wetland; the only kettle hole bog in Center Harbor; several significant ecological areas with extensive wildlife habitat for moose, bear, deer, and turkey; rare plant species; two old growth forest patches; one of the highest hills in town with high visibility; and the immediate watershed to Lake Waukegan, a public water supply. The property is located within one of the highest conservation priority areas based on the Town Natural Resources Inventory completed in 2011. It lies within Center Harbor's largest unfragmented forest block (950 acres), and there is the potential for additional land conservation projects nearby in the future if this parcel is conserved. Several areas of trash removal and regrading in a wetland are proposed as the restoration component.</p>			
Service Area: Salmon Falls – Piscataqua Rivers			
Functions/Values Lost: Wildlife and finfish habitat, sediment/toxicant retention			
ARM Funds Available: \$175,000			
Applicant/Project Name: Strafford Rivers Conservancy/Huppe Property	Town: Farmington	ARM Funds Requested: \$79,745	Matching Funds: \$27,200
<p>Description: The project proposes permanent protection of 96 acres of land, restoration of stream buffer in two locations, and establishment of a 200 foot no-cut buffer around the wetland and the portion of Berry Brook that flows through the land. The project will include a conservation easement to be held by the Strafford Rivers Conservancy. The project will permanently protect 6 acres of wetland and 2,370 linear feet of Berry Brook and its tributary, which flows to the Isinglass River. The protection of this parcel is a priority by the state funded Land Conservation Plan for the Coastal Watershed and the Isinglass River Management Plan. The project will also protect approximately 36 acres of land identified by the NH Fish & Game <i>Wildlife Action Plan</i> as highest ranked in bioregion and protect habitat for the threatened small whorled pogonia, which has</p>			

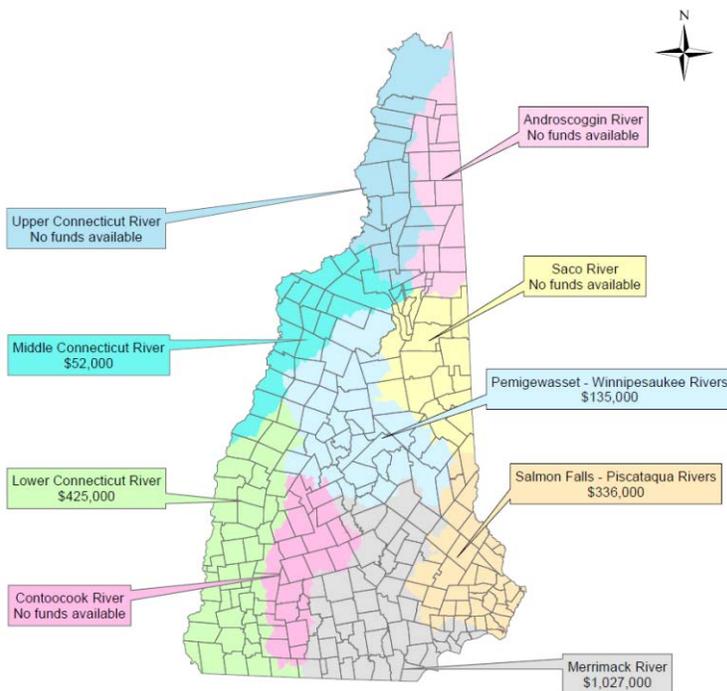
been identified by the Natural Heritage Bureau as being present near the site. A historic and scenic mill foundation on the property dates from the 1800s.			
Applicant/Project Name: Barrington Conservation Commission/Calef Isinglass River Project	Town: Barrington	ARM Funds Requested: \$100,000	Matching Funds: \$1,000,000
<p>Description: The Town of Barrington seeks to acquire a 270 +/- acre property currently owned by the A. Harlan Calef Revocable Trust. The primary goal of this project is to permanently conserve the property which will result in the permanent protection of 16 wetland complexes (75.81 acres), 13 vernal pools, 70.3 acres of floodplain forest, 1.5 miles of frontage on the Isinglass River, and 261 acres of forested uplands. Although not currently listed on the market, the Trustee will begin to market the property if the conservation is not successful. A total of four wetland restoration sites totaling 8,400 square feet were identified on the site. According to the NH Natural Heritage Bureau, both Spotted Turtle (S2) and Wood Turtle (S3) have been identified on the property. Additionally, Natural Heritage data indicates that Blandings Turtle (S1) have been identified within close proximity to the subject property.</p>			
<p>Service Area: Merrimack River Functions/Values Lost: Wildlife habitat ARM Funds Available: \$140,000</p>			
Applicant/Project Name: NH Rivers Council/McQuesten Pond Dam Removals	Town: Manchester	ARM Funds Requested: \$65,400	Matching Funds: \$134,800
<p>Description: McQuesten Brook is listed as impaired for failure to support aquatic life due to insufficient dissolved oxygen concentration and saturation. The brook is also impaired for excessive chlorides. McQuesten Pond fails to support aquatic life due to insufficient dissolved oxygen content and fails to support primary contact recreation due to excessive concentrations of Chlorophyll-a. The presence of two dams within McQuesten Pond have interrupted hydraulic connectivity, stream geomorphology, and wetland functions, and are one of the primary sources of impairment along with stormwater runoff. The ultimate goals of this project are to develop construction plans for two obsolete stream barriers in a portion of McQuesten Brook that has been artificially impounded to form McQuesten Pond, and then remove both barriers to restore stream and wetland functions. The completed project will provide an additional 1,500 linear feet of trout habitat once the restored channel has stabilized and a riparian buffer is established for shading and cooling stream temperatures.</p>			
<p>Service Area: Contoocook River Functions/Values Lost: Wildlife and finfish habitat, shoreline stabilization ARM Funds Available: \$15,000</p>			
Applicant/Project Name: Society for the Protection of NH Forests/Green Crow Conservation Project	Town: Stoddard	ARM Funds Requested: \$15,000	Matching Funds: \$446,326
<p>Description: The goal of the project is to permanently protect a 361 +/- acres through the purchase of a conservation easement on land recently purchased by the Harris Center on Rte. 9 in Stoddard, NH. The land contains over 500 feet of frontage on Rte. 9 in Stoddard. It is predominantly mixed northern hardwoods (beech, birch, maple and ash), but turns to more of a softwood forest dominated by hemlock and spruce in the eastern portion of the land. An old class 6 road, King Street was the old Monadnock-Sunapee trail prior to 1938 when the hurricane forced the rerouting of the trail farther west. The conservation easement will designate "forever wild/natural area" restrictions from forest management, agricultural or other intensive uses. Trail development, hunting, and other passive public uses will be permitted. The westerly portion of the property will contain the typical easement terms allowing for commercial forest management, agriculture and wildlife habitat management. This area has been the subject of a great deal of concerted conservation activity by the Harris Center, Forest Society and other groups. To the immediate south, the property abuts other land held in fee by HCCE. The properties provide substantial linkage to and enhance the size and ecological function of previously protected lands in Stoddard, Nelson and Hancock.</p>			
<p>Service Area: Middle Connecticut River Functions/Values Lost: Wildlife and finfish habitat, groundwater discharge ARM Fund Available: \$180,000</p>			
Applicant/Project Name: Ammonoosuc Conservation Trust/Ammonoosuc River Floodplain Restoration Project	Town: Lisbon	ARM Funds Requested: \$67,520	Matching Funds: \$0

<p>Description: The ARM Fund grant proposal by ACT is to begin the restoration and enhancement process on the property acquired last year via the 2012 ARM Fund grant. The Ammonoosuc Conservation Trust’s long-term goals are to restore and protect floodplain forest and restore/create riparian, wetland, and upland functions and values on the site. Additional goals are to buffer and enhance the Hanno Pond wetland complex and provide increased educational and recreational values. This proposal is to restore a 4 acre hayfield to a riparian forested buffer and to plant the existing Ammonoosuc River bank with dormant stakings. Included in the project is a culvert removal and wetland restoration at the current agricultural crossing of the unnamed perennial brook that parallels Route 302. The restoration will provide an estimated 1,600 square feet of habitat restoration in this area.</p>			
<p>Applicant/Project Name: Upper Valley Land Trust/Bailey Clay Brook Property</p>	<p>Town: Lyme</p>	<p>ARM Funds Requested: \$100,850</p>	<p>Matching Funds: \$218,000</p>
<p>Description: This project will protect 4.88 acres of wetlands west of Route 10, including 2,044 linear feet of a brook frontage, and 1.97 acres of wetlands within the portion of the property east of Route 10, as well as the 45+ acres of undeveloped upland surrounding these aquatic resources. The “Bailey-Clay Brook property” is located both adjacent to and in close proximity with other permanently conserved lands and creates a protected corridor between these otherwise unconnected conserved lands. These highly diverse wetlands and the undeveloped corridor are important for wildlife movement and ecological integrity. Permanent protections will be accomplished through the acquisition of a conservation easement on the 50 acres of the property to be held by the Upper Valley Land Trust. This property includes 3,780 linear feet of frontage along NH Route 10, part of the Connecticut River National Scenic Byway, making it a highly visible landmark within the community.</p>			

ARM Funds Advertised in March, 2014

In March 2014, DES announced the availability of ARM funds accrued in five of the nine ARM Fund service areas (See Figure 4). Pre-proposals were requested to be submitted by April 28 and those invited for submission of a full application were due August 18. The full applications are reviewed by the ARM Fund Site Selection Committee (hereinafter "Committee") and representatives from the Army Corps of Engineers and US Environmental Protection Agency. The Committee’s recommendations will be provided to the Army Corps of Engineers and the Wetland Council for final approval.

FIGURE 4. ARM FUNDS ADVERTISED IN 2014 ACCORDING TO SERVICE AREAS



Status of the ARM Fund Account

The FY 2014 ended with seven ARM Fund service areas having a positive balance. The results of the 2014 grant round will be reported in the 2015 state fiscal year report. Table 4 describes revenues, expenses, encumbered funds and a balance according to each service area.

TABLE 4. STATUS OF ARM FUND ACCOUNTS ACCORDING TO SERVICE AREAS

Service Areas	Beginning Balance (7/1/2013)	Revenues	Expenses	Encumbered	Ending Balance (6/30/2014)	Committed Funds Not Yet Encumbered
Androscoggin River	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Saco River	\$46,000.00	\$2,800.00	\$0.00	\$0.00	\$48,800.00	\$46,000.00
Pemigewasset to Winnepesaukee Rivers	\$381,768.76	\$50,731.03	\$236.57	\$6,108.00	\$426,155.22	\$273,500.00
Salmon Falls to Piscataqua Rivers	\$656,466.37	\$233,124.07	\$116.75	\$0.00	\$889,473.68	\$175,000.00
Merrimack River	\$2,012,730.30	\$863,091.24	\$1,779,040.00	\$39,510.00	\$1,057,271.54	\$427,000.00
Lower Connecticut River	\$660,284.70	\$171,600.00	\$0.00	\$570,797.00	\$261,087.70	\$0.00
Contoocook River	\$14,638.90	\$0.00	\$0.00	\$0.00	\$14,638.90	\$14,638.90
Middle Connecticut River	\$137,858.70	\$39,725.20	\$0.00	\$8,250.00	\$169,333.90	\$120,000.00
Upper Connecticut River	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total All Watersheds	\$3,909,747.73	\$1,361,071.54	\$1,779,393.32	\$624,665.00	\$2,866,760.94	\$1,056,138.90

2005-556	Durham	17,816.00			\$58,339.06	7/6/2010
2009-2366	Berlin					8/3/2010
2010-1370	Hooksett	4,844.00			\$10,304.23	8/31/2010
2009-2853	Lebanon	115,400.00			\$75,000.00	10/12/2010
2010-1525	Enfield	115,125.00			\$339,037.39	10/1/2010
2010-1261	Alton	49,145.00			\$165,692.62	10/21/2010
2009-2989	Berlin	47,981				12/30/2010
2008-877	Littleton	17,725				4/27/2010
2009-396	Epsom	22,946				9/10/2010
2010-26	Newbry-Goshen	22,144				11/22/2010
2010-1970	Concord-Penacook	1,720			\$7,414.03	1/18/2011
2010-2355	Lincoln	1,620			\$5,237.53	1/14/2011
2010-428	Hanover	2,700				2/1/2011
2011 TOTALS		419,166			\$661,024.86	
2010-997	Littleton	24,363				8/2/2011
2011-922	Bow-Concord	42,472.00			\$119,668.45	8/16/2011
2010-745	Groton	71,680.00			\$150,000.00	10/5/2011
2010-616	Nashua	506,605			\$2,021,412.57	10/17/2011
2010-1370	Hooksett	835			\$3,173.67	10/25/2011
2010-197	Bedford	16,291				11/4/2011
2011-831	Warner	1,138			\$9,383.28	12/29/2011
2011-817	Manchester	16,291			\$74,019.49	1/11/2012
2011-1637	Keene	26,830			\$119,325.86	1/18/2012
2011-1261	Nashua	19,080			\$86,691.54	1/31/2012
2010-2887	Lisbon	10,750			\$32,901.05	5/16/2012
2012 TOTALS		736,335			\$2,616,575.91	
2009-2074	Rochester	92,462			\$35,000.00	10/16/2012
2012-1226	Swanzey	18,500			\$59,920.11	11/5/2012
2012-1052	Portsmouth	25,265			\$107,876.49	12/17/2012
2012-1060	Greenland	6,098			\$26,039.15	12/17/2012
2012-2027	Bow	15,029			\$55,017.85	12/21/2012
2010-1265	Alton	461			\$1,677.91	1/3/2013
2012-1070	Gilford-Laconia	31,391			\$134,093.32	1/9/2013
2012-1308	Epping	9,766			\$34,200.09	1/31/2013
2012-1864	Belmont	17,414			\$61,006.79	2/6/2013
2010-428	Hanover	2,700			\$9,027.41	4/4/2013
2013-770	Hooksett	16,980			\$65,778.93	6/27/2013
2013 TOTALS		236,066			\$555,437.96	

2013-388	Rochester	12,840			\$ 49,102.60	7/18/2013
2012-3256	Manchester	21,300			\$ 92,646.85	8/29/2013
2012-3264	Alton	11,524			\$ 41,944.13	9/27/2013
2013-2141	Nashua	16,976			\$ 73,834.11	9/30/2013
2012-2682	Haverhill	14,108			\$ 43,697.72	10/15/2013
2013-380	Winchester-Swanzey	0	541		\$119,020.00	11/8/2013
2012-2681	Windham	67,658.00			\$288,504.12	12/12/2013
2002-2033	Windham	95,850.00			\$282,598.51	12/12/2013
2013-2285	Danville	12,920.00			\$46,021.96	12/18/2013
2013-2154	Deerfield, Candia	1,986.00		262,606.00	\$69,767.92	1/6/2014
2012-2546	North hampton	18,618.00			\$ 40,488.70	2/19/2014
2010-197	Bedford	8,671.00	435.00		\$129,181.24	1/24/2014
2011-2973	Lebanon	14,410.00			\$5,147.76	3/18/2014
2013-1501	Brentwood	15,650.00			\$ 56,588.46	4/30/2014
2014-542	Swanzey		80.00		\$ 69,740.00	6/2/2014
2013-1075	Effingham	3,087.00	14.00		\$ 3,080.00	5/15/2014
2014-566	Hooksett	11,620.00	198.00		\$ 9,146.66	6/16/2014
2014-129	Laconia		21.00		\$ 13,860.00	6/25/2014
2012-2546	North Hampton	74,042.00			\$ 40,488.70	6/25/2014
2014 TOTALS		401,260.00	1,289.00	262,606.00	\$1,474,859.44	
2013-3310	Lebanon	15,559.00	228.00		\$ 203,480.46	7/2/2014
2014-871	Lebanon	27,605.00			\$ 108,476.28	7/7/2014
2014-778	Jefferson		25.00		\$ 5,500.00	7/3/2014
2014-364	New Ipswich		154.00		\$ 33,880.00	7/10/2014
2014-507	Wolfeboro	160.00			\$ 665.73	8/11/2014
2013-3175	Bedford	3,070.00	624.00			9/2/2014
2014-407	Littleton	64.00		46,805.00	\$43,916.01	9/4/2014
2013-3075	Bedford				\$150,632.42	9/18/2014
2014-1292 & 2014-1257	Webster & Concord	112		390,587.00	\$191,858.90	10/3/2014
2014-1257	Concord	7.00		1,262.00	\$ 5,241.69	10/3/2014
2014-1589	Londonderry	12698			\$53,895.67	10/15/2014
2014-1591	Londonderry	29838			\$126,645.05	10/15/2014
2011-2973	Lebanon	14,410.00			\$51,477.61	10/24/2014
2014-1757	Manchester & Londonderry	676.00		184,274.00	\$48,710.42	10/27/2014
2014-1443	Northwood	50.00			\$181.79	11/14/2014
2013-2389	Milan	21,735.00			\$ 67,628.00	11/26/2014
2014-1053	Portsmouth	101,230.00		53,299	\$ 351,895.87	11/26/2014

2013-2883	Durham-Newmarket	45,492.00			\$ 105,000.00	12/8/2014
2014-447	Littleton		25.00		\$10,000.00	12/31/2014
2014-2775	Portsmouth	88.00		17,140.00	\$55,490.40	1/20/2015
2013-2918	Newington	14,093.00			\$9,447.12	2/18/2015
2014-2201	Haverhill	37,020.00			\$ 119,053.98	3/25/2015
2014-1521	Lebanon	17,114.00		283,068.00	\$ 130,091.00	3/25/2015
2015 GRANT ROUND		341,021.00	1,056.00	976,435.00	\$1,873,168.40	

**APPENDIX B
STATUS OF FUNDED PROJECTS, 2009-2014**

GRANT YEAR	PROJECT NAME, TOWN/ SERVICE AREA #	AWARD AMOUNT	STATUS OF WORK	STATUS OF MONITORING	Cons Deed and Survey Recorded	Base-line Report	Stewardship Plan
2009	Stewart Property, Francestown/5	\$48,000.00	COMPLETED	COMPLETED	X	X	N/A
2009	Oxbow Property, Canterbury/5	\$300,000.00	COMPLETED	NOT NEEDED	X	X	N/A
2009	Clay Pond, Hooksett/5	\$200,000.00	COMPLETED	NOT NEEDED	X	X	X
2010	Potter Farm, Northumberland/9	\$148,000.00	COMPLETED	COMPLETED	X	X	X
2010	Tioga River WCA, Belmont/3	\$28,738.00	COMPLETED	COMPLETED	X	N/A	N/A
2010	Coffin Brook, Alton/3	\$23,000.00	COMPLETED	COMPLETED	N/A	N/A	N/A
2010	Colony Project, Chesterfield/6	\$83,467.00	COMPLETED	NOT NEEDED	X	X	X
2010	Brown Farm/6		Withdrawn				
2010	Strolling Woods, Franklin/3	\$131,500.00	COMPLETED	COMPLETED	X	X	N/A

2010	Sprucewood Forest, Durham/4	\$500,000.00	COMPLETED	NOT NEEDED	X	X	N/A
2010	Evans Mountain, Strafford/4	\$367,750.00	COMPLETED	COMPLETED	X	X	N/A
2010	Exeter River Project, Brentwood/4	\$78,468.00	COMPLETED	COMPLETED	X	X	X
2010	Siemon Family Trust, Milton/4	\$29,300.00	COMPLETED	NOT NEEDED	X	X	N/A
2010	Upper Oyster River, Barrington/4	\$13,000.00	Withdrawn				
2010	Odiorne Point, Rye/4	\$43,000.00	COMPLETED	COMPLETED	N/A	N/A	N/A
2010	Berry Brook Restoration, Dover/4	\$440,000.00	COMPLETED	COMPLETED	N/A	N/A	N/A
2010	River Rd., New Castle/4	\$27,993.00	COMPLETED	COMPLETED	N/A	N/A	X
2011	Greenough Ponds, Wentworth & Errol/1	\$89,000.00	COMPLETED	NOT NEEDED	X	X	X
2011	Snake River, New Hampton/3	\$95,097.00	COMPLETED	COMPLETED	X	X	X
2012	Plaistow Town Forest, Plaistow/5	\$100,000.00	COMPLETED	ONGOING	X	X	X
2012	Soucook River - Therrien Forest, Canterbury/5	\$68,830.00	COMPLETED	COMPLETED	X	X	X
2012	Merrimack Riverfront, Hooksett/5	\$150,000.00	COMPLETED	NOT NEEDED			
2012	Merrimack Riverfront, Hooksett/5	\$150,000.00	COMPLETED	NOT NEEDED	X	X	X
2012	Pennichuck Brook, Merrimack/5	\$737,170.00	COMPLETED	COMPLETED	X	X	X
2012	Hinman Pond, Hooksett/5	\$503,738.75	COMPLETED	NOT NEEDED	X	X	X
2012	Avery Brook, Francestown/5	\$235,290.00	Culvert work in spring 2015	ONGOING	X	X	X
2012	Hazelton Farm, Hebron/3	\$100,000.00	COMPLETED	NOT NEEDED	X	X	X
2012	Ammonoosuc Hanno Pond, Lisbon/8	\$98,350.00	COMPLETED	NOT NEEDED	X	X	X
2012	Crooked Run, Barnstead/Pittsfield/Strafford/5	\$361,600.00	COMPLETED	ONGOING	X	X	N/A
2012	Thompson Brook, Greenland/4	\$0.00	WITHDRAWN				
2012	Beaver Brook, Keene/6	\$277,707.00	ONGOING				
2012	Hanchetts Brook Forest, Plainfield/6	\$110,560.00	COMPLETED	NOT NEEDED	X	X	X

2013	Green Hills, Conway/2	\$46,000.00	NEAR COMPLETION	NOT NEEDED		X	X
2013	Frazian Property, Hebron/3	\$175,000.00	COMPLETED	NOT NEEDED	X	X	X
2013	Fogg Hill Bog, Center Harbor/3	\$98,500.00	ONGOING				
2013	Huppe Farm, Farmington/4	\$75,000.00	COMPLETED	NOT NEEDED	X	X	
2013	Calef Isinglass River, Barrington/4	\$100,000.00	COMPLETED	NOT NEEDED	X		
2013	McQuesten Pond Dam Removals, Manchester/5	\$65,400.00	ONGOING		N/A	N/A	N/A
2013	Green Crow, Stoddard/7	\$15,000.00	COMPLETED	NOT NEEDED	X	X	X
2013	Ammonoosuc Floodplain Restoration, Lisbon/8	\$66,000.00	ONGOING		N/A	N/A	N/A
2013	Bailey-Clay Brook, Lyme/8	\$43,378.00	ONGOING				
2014	Lake Wicwas, Meredith/3	\$64,236.00	ONGOING				
2014	Berry's Brook, Rye/4	\$121,000.00	ONGOING				
2014	Exeter Great Dam, Exeter/4	\$100,000.00	ONGOING				
2014	Spruce Swamp, Fremont/4	\$15,000.00	ONGOING				
2014	Thompson Brook Fish Passage, Greenland/4	\$100,000.00	ONGOING				
2014	Hinman Pond II, Hooksett/5	\$75,000.00	ONGOING				
2014	Shost, Goffstown/5	\$150,000.00	ONGOING				
2014	Guinea Ridge Project, Gilmanton/5	\$197,707.00	ONGOING				
2014	Falls Brook, Swanzey/6	\$115,000.00	ONGOING				
2014	West Hill, Keene, Swanzey, Chesterfield/6	\$140,000.00	ONGOING				

**APPENDIX C
CREDIT LEDGER SUMMARY**

2009 MERRIMACK STEWART:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS</u>	.32	.2	.52 .52
<u>Preservation - uplands</u>	.34	0	.34 .34
<u>PFO</u>	.01	.23	.24 .24

2009 MERRIMACK OXBOW:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS</u>	.1	.07	.17 .17
<u>VP</u>	.01	0	.01 .01
<u>VP CTH</u>	.1	0	.1 .1
<u>Preservation - uplands</u>	4.47	2.15	6.62 6.62
<u>PEM</u>	.12	0	.12 .12
<u>PFO</u>	.05	.25	.3 .3
Stream			
<u>100' buffer for stream/river</u>	194.8	196.2	391 391

2009 MERRIMACK CLAY POND:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS</u>	.05	.03	.08 .08
<u>PEM</u>	.03	.01	.04 .04
<u>PUB</u>	0	.19	.19 .19
<u>Preservation - uplands</u>	0	4.35	4.35 4.35
<u>PFO</u>	.02	.99	1.01 1.01

2010 UPPER CONNECTICUT POTTER FARM:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PFO</u>	.1	0	.1 2.66
<u>PSS</u>	.22	0	.22 .22
<u>Preservation - uplands</u>	5.75	1.45	7.2 7.2
<u>PEM</u>	.05	0	.05 .05

2010 PEMIGEWASSET – WINNIPESAUKEE TIOGA RIVER:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS</u>	0	0	0 .91

2010 PEMIGEWASSET – WINNIPESAUKEE COFFIN BROOK ROAD:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS</u>	.02	.01	.03 .03

2010 LOWER CONNECTICUT COLONY:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>Preservation - uplands</u>	6.57	1.13	7.7 7.7
<u>PSS</u>	.31	.05	.36 .36
<u>PEM</u>	.14	.06	.2 .2
<u>PFO</u>	0	.52	.52 .52
<u>PUB</u>	.2	0	.2 .2
<u>VP</u>	.04	0	.04 .04
<u>VP CTH</u>	.96	0	.96 .96
Stream			
<u>100' buffer for stream/river</u>	480	0	480 480

2010 PEMIGEWASSET – WINNIPESAUKEE STROLLING WOODS:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS</u>	0	0	0 .1
<u>Preservation - uplands</u>	.23	0	.23 .23

2010 SALMON FALLS PISCATAQUA SPRUCEWOOD FOREST:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PFO</u>	.05	0	.05 .05
<u>Preservation - uplands</u>	11.17	0	11.17 11.17
<u>PSS</u>	.01	0	.01 .01

2010 SALMON FALLS PISCATAQUA EVANS MOUNTAIN:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PFO</u>	.15	.94	1.09	1.09
<u>PSS</u>	0	.26	.26	.26
<u>PEM</u>	.39	0	.39	.39
<u>VP CTH</u>	2.33	0	2.33	2.33
<u>Preservation - uplands</u>	17.5	0	17.5	17.5
<u>VP</u>	.3	0	.3	.3
Stream				
<u>100' buffer for stream/river</u>	1023	0	1023	1023

2010 SALMON FALLS PISCATAQUA EXETER RIVER:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PFO4</u>	0	0	0	.01
<u>Preservation - uplands</u>	0	0	0	.2
<u>PFO1</u>	0	0	0	.19
<u>PSS1</u>	0	0	0	.03
Stream				
<u>Riparian enhancement</u>	0	0	0	141

2010 SALMON FALLS PISCATAQUA SIEMON FAMILY TRUST:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PSS</u>	.1	0	.1	.1
<u>PFO</u>	.11	.29	.4	.4
<u>Preservation - uplands</u>	.7	0	.7	.7
<u>PEM</u>	.6	0	.6	.6

2010 SALMON FALLS PISCATAQUA ODIORNE:

Available Name	Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland				
<u>PEM</u>	0	0	0	.14

2010 SALMON FALLS PISCATAQUA BERRY BROOK:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>Preservation - uplands</u>	.18	0	.18 .18
<u>PEM</u>	.2	0	.2 .2
<u>PSS</u>	.19	0	.19 .19
Stream			
<u>Stream/River - Reestablishment</u>	285	0	285 285

2010 SALMON FALLS PISCATAQUA RIVER ROAD MARSH:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>E2EM</u>	.1	0	.1 .1

2011 ANDROSCOGGIN GREENOUGH PONDS:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>Preservation - uplands</u>	.707	.353	1.06 1.06
<u>PFO</u>	.12	0	.12 .12
<u>L</u>	.62	0	.62 .62
<u>PEM</u>	.04	0	.04 .04
<u>PSS</u>	.04	0	.04 .04

2011 PEMIGEWASSET – WINNIPESAUKEE SNAKE RIVER/BAIRD PROPERTY:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PEM1E</u>	.01	.14	.15 .15
<u>Preservation - uplands</u>	.26	0	.26 .26

2012 MERRIMACK PLAISTOWN TOWN FOREST:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PFO1</u>	0	0	0 1.48
<u>Preservation - uplands</u>	0	0	0 14.97
<u>PSS1</u>	0	0	0 .66

2012 MERRIMACK SOUCOOK RIVER HEADWATERS:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PFO</u>	0	0	0 .12
<u>PEM</u>	0	0	0 .17
<u>PUB</u>	0	0	0 .67
<u>VP CTH</u>	0	0	0 1.45
<u>VP</u>	0	0	0 .01

2012 MERRIMACK RIVERFRONT-HOOKSETT:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PFO</u>		.92	0 .92 .92
<u>Preservation - uplands</u>	1.46	0	1.46 1.46
<u>PEM</u>	.07	0	.07 .07
<u>PSS</u>	.11	0	.11 .11

2012 MERRIMACK PENNICHUCK BROOK:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PSS1</u>		.01	0 .01 .01
<u>PEM1</u>		.65	0 .65 .65
<u>PFO1</u>		.85	0 .85 .85
<u>L1</u>		.2	0 .2 .2
<u>Preservation - uplands</u>	15.51	0	15.51 15.51
<u>PFO5</u>		.09	0 .09 .09
<u>PUB</u>		.03	0 .03 .03
Stream			
<u>100' buffer for stream/river</u>	5241.5	0	5241.5 5241.5

2012 MERRIMACK HINMAN POND I:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland			
<u>PEM1</u>	0	0	0 .08
<u>PFO1</u>	0	0	0 .22
<u>PFO4</u>	0	0	0 .1
<u>PUB</u>	0	0	0 .17
<u>PSS1</u>	0	0	0 .06
<u>PSS3</u>	0	0	0 .19
<u>Preservation - uplands</u>	0	0	0 13.3
<u>PFO5</u>	0	0	0 .11

2012 MERRIMACK AVERY BROOK:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PEM1</u>	0	0	0	.15
<u>PFO1</u>	0	0	0	.43
<u>PFO4</u>	0	0	0	.25
<u>Preservation - uplands</u>	0	0	0	4.68
<u>PSS1</u>	0	0	0	.3
<u>PFO1/4</u>	0	0	0	.03
Stream				
<u>100' buffer for stream/river</u>	0	0	0	51

2012 PEMIGEWASSET – WINNIPESAUKEE HAZELTON FARM:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PSS1</u>	.17	0	.17	.17
<u>PFO4</u>	.12	0	.12	.12
<u>PEM1</u>	.01	0	.01	.01
<u>Preservation - uplands</u>	2.87	2.94	5.81	5.81

2012 MIDDLE CONNECTICUT HANNO POND:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>Preservation - uplands</u>	0	0	0	1.71
<u>PEM1F</u>	0	0	0	.13
<u>R</u>	0	0	0	.07
Stream				
<u>100' buffer for stream/river</u>	0	0	0	24.8

2012 MERRIMACK CROOKED RUN:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PSS1</u>	0	0	0	1.29
<u>PUB</u>	0	0	0	.08
<u>Preservation - uplands</u>	0	0	0	10.35
<u>L1</u>	0	0	0	.77
<u>PFO1</u>	0	0	0	.4
<u>PFO4</u>	0	0	0	.31
<u>PEM1</u>	0	0	0	1.96

2012 LOWER CONNECTICUT HANCHETTS BROOK:

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
Wetland				
<u>PFO5</u>	.08	0	.08	.08
<u>Preservation - uplands</u>	5.41	0	5.41	5.41
Stream				
<u>100' buffer for stream/river</u>	6.5	106	112.5	112.5