

STATE OF NEW HAMPSHIRE  
DEPARTMENT OF ENVIRONMENTAL SERVICES

*Aquatic Resource Mitigation Fund*  
RSA Chapter 482-A

***Fiscal Year***  
***2015***  
***Report***



Water Division/Wetlands Bureau

## **Executive Summary**

Since the ARM Fund was established in 2006, 115 applicants have used this form of mitigation and these funds have been used to support projects that restore, enhance, and preserve aquatic resources and upland buffers. The program has been very successful for grant applicants and has resulted in approximately 9,900 acres of land conservation, 100 acres of wetland restoration, and over 45 miles of stream passage improvements. The in-lieu fee option has become a good option for applicants needing to provide compensatory mitigation. The total funds collected since the program was established totals \$10,708,162.35 which has gone to fund 51 projects (3 have been withdrawn).

In FY 2015 (7/1/2014 through 6/30/2015), 28 permits involving a payment were issued that resulted in 8.56 acres of wetland loss, 1,853 linear feet of stream loss, and 26.28 acres of temporary impacts including secondary impacts due to conversion of forested wetlands to emergent or scrub shrub wetlands. The fund received approximately \$1.9 million in the payments collected. During this time frame, ARM Fund grants were awarded to preserve an additional 1,165 acres of land. Additional grants were also issued for a dam removal that will restore approximately 13 miles of spawning and nursery habitat on the Exeter River as well as over 2 miles on Little River. A second project involving the removal of a deficient culvert will restore fish passage on a tributary of the Winnicut River, now the only free flowing major tributary of the Great Bay estuary. For the total of funds collected in fiscal year 2015, over \$3 million of funds was leveraged to complete the grant projects.

## **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 way the program addresses impacts under the federal Clean Water Act, 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, New England District (hereinafter "Corps") 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, Env-Wt Chapter 800 which were effective on June 20, 2007.

The operation of New Hampshire's In-Lieu Fee (ILF) program is carried out pursuant to 33 CFR Parts 325 and 332 known as the federal "mitigation rule." The *NH ARM Fund Final In-Lieu Fee Program Instrument* was executed in March, 2012 to comply with the federal mitigation rule. The document can be found at:

<http://www.nae.usace.army.mil/Portals/74/docs/regulatory/Mitigation/NHinstrument051812.pdf>

The instrument establishes guidelines, responsibilities and standards for the establishment, use, operation and maintenance of the ARM Fund in a way that brings the existing mitigation program into compliance with the federal mitigation rule. The signatories to this instrument recognize that cooperation between and among the Corps, US Environmental Protection Agency (hereinafter "EPA"), US Fish and Wildlife Service, National Marine Fisheries Service, and DES is critical to the

continued development of a high-quality mitigation program and share a commitment to continue efforts that have been on-going since adoption of the ARM Fund program.

DES is the qualified program sponsor and administrator for the ARM Fund program. DES works with the Corps to ensure that the requirements for aquatic resource mitigation are being met. DES is solely responsible for providing compensatory mitigation for projects which have paid into the ARM Fund. The procedures and guidelines for coordinating compensatory mitigation requirements for permits issued by the Corps in New Hampshire are specifically addressed in the program instrument. The ARM Fund may be used for permit actions involving (a) Corps General Permits, (b) DES permits, (c) Corps and DES individual permits, and (d) occasionally the Corps may deem it appropriate to require additional payment to adequately compensate for temporary or secondary impacts of a project. If this occurs, the funds are accepted into the ARM Fund for the applicant to receive a state and federal permit. Additional payment may also be required by the Corps based on the functions and values lost and other environmental issues they find that need to be compensated for.

### **Status of Program and Improvements**

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.

DES is required to track, by service area, the debits, fees, other income received, the source of the income, and any interest earned by the program account. To address federal requirements, a ledger has been developed to include a list of all permits for which in-lieu fee program funds were accepted, including the appropriate state and federal permit number, the service area in which the specific authorized impacts are located, the amount (acreage or linear feet) of authorized impacts, the aquatic resource type impacted by Cowardin class, the amount paid to the in-lieu fee program for each of the authorized impacts, and the date the funds were received. A summary of the projects and payments made into the ARM Fund is available on the DES web site for review as well as being posted by DES on the Regulatory In-lieu fee and Banking Information Tracking System (RIBITS) managed by the Corps. This site is currently found at <http://ribits.usace.army.mil> and can be viewed by the public. Appendix A provides a detailed list of projects that provided fund as mitigation from program adoption through June 30, 2015.

At the start of the 2013 state fiscal year, DES acquired an EPA program development grant to assist in program improvements relative to the efficiency and consistency of the mitigation program review process, as well as for tracking the loss and gains to aquatic resources. A part time program specialist was hired to manage the RIBITS tracking system that assesses and measures more effectively the specific wetland types that are lost to development and their associated functions and values. Additionally, when ARM funds are awarded, DES needs to fully assess the function and condition of the lands protected and wetlands restored to ensure that there is a match between the resources lost and gained through mitigation. The EPA grant has allowed the ARM Fund program to more effectively meet reporting requirements and provide more detail in the losses and gains in overall aquatic resources in the state. It is anticipated future reports will provide additional

information relative to impacts or protection to vernal pool resources and the associated critical terrestrial habitat surrounding pools.

DES also maintains a report ledger for the ARM Fund program that tracks all program disbursements/expenditures. The ledger includes the project name and town the project is located, service area, the amount of the award, the status of the project, submittal of legal documents, and status of monitoring if required. Appendix B provides a compilation of awards that have been achieved through six grant rounds and a status is provided of each grant award. Appendix C provides the RIBITS credit ledger summary for ARM Fund awards that have been completed to date. The credits granted to a project are pro-rated based on the percent of the overall cost that is covered by the ARM Funds and includes the number of credits released.

In addition to the improvements achieved under the EPA grant, rule revisions to Env-Wt Chapter 800 were undertaken. The program coordinator pursued an effort to engage stakeholders in the revisions and to gather their suggestions on how to improve the mitigation process. The participants at three meetings included the Corps, EPA, NH Department of Resources and Economic Development Natural Heritage Bureau, NH Department of Transportation, Associated General Contractors of New Hampshire, NH Association of Natural Resource Scientists, private consultants and a representative of the NH Association of Conservation Commissions. The meetings included the review of revisions to Env-Wt 101 and 501 which were filed with the Office of Legislative Services on June 12 along with the re-adoption proposal for Env-Wt 800 (with amendments). The rulemaking notices and initial proposal were published in the Rulemaking Register on June 18 with a public hearing scheduled for July 30.

The department proposed rule revisions will strengthen the mitigation program by requiring the use of the NH Method for proposed impacts to each minor or major project. This information will allow DES to better measure the success of the mitigation program, assist with the development of new mitigation procedures and require pre-application meetings for all mitigation projects thus improving the quality of wetland and plant community resource impact information received. Additional rule revisions will allow DES to be able provide more science based information to inform the ARM Fund award process with special emphasis on stream mitigation requirements.

Through collaboration with the New Hampshire Geological Survey and the NHDOT, an innovative approach is under development to establish an inventory of deficient culverts or stream crossings on the state transportation system that fragment stream reaches that could be funded through ARM funds. These deficient culverts or barriers to aquatic organism passage are proposed to be upgraded/rehabilitated as mitigation for other stream impacts. A program development grant was submitted to the EPA to continue the collaboration between NHDES, NHDOT, NH Fish & Game, and NH GRANIT to perform additional stream assessments, and to attempt to develop a system to prioritize the replacement of crossings with the most potential to exacerbate the effects of climate change. Assessment scores relative to the aquatic organism passage constraints and geomorphic compatibility conditions will be collected to address 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 2015 Permits Issued with ARM Fund as Compensatory Mitigation Component**

The in-lieu fee option has become a good option for applicants needing to provide compensatory mitigation. Table 1 provides a list of the projects permitted from July 1, 2014 to June 30, 2015 where the wetland permit holders selected payment to the ARM Fund to satisfy mitigation requirements.

**TABLE 1. WETLAND PERMITS ISSUED IN FY 2015 USING ARM FUND**

TOWN/DES & CORPS FILE NUMBER	SERVICE AREA	WETLAND LOSS		STREAM LOSS (lin feet)	TEMPORARY IMPACTS		ARM FUND REVENUE/ADMIN FEE
		(Square Feet)	AC		(Square feet)	AC	
Lebanon/2013-3310/NAE-2013-02718	Lower CT River	15,559.00	0.36	228.00			\$203,480.46/\$24,796.45
Jefferson/2014-778/NAE-2014-01379	Upper CT River			25.00			\$5,500/\$500.00
Lebanon/2014-871/NAE-2014-01300	Lower CT River	27,605.00	0.63				\$108,476.28/\$9,861.48
Conway/2013-3283/NAE-2014-00563	Saco River	6,410.00	0.15	315.00			\$22,161.88/\$2,014.72
New Ipswich/2014-364/NAE-2014-00355	Merrimack River			154.00			\$33,880.00/\$3,080.00
Wolfeboro/2014-507/NAE-2014-01639	Pemi-Winni Rivers	160.00					\$665.73/\$60.52
Bedford/2013-3175/NAE-2013-01574	Merrimack River	3,070.00	0.07	624.00			\$150,632.42/\$13,693.86
Littleton/2014-407/NAE-2014-00471	Middle CT River	64.00			46,805.00	1.07	\$43,916.01/\$3,992.36
Webster/2014-1292 & Concord/2014-1257/NAE-2014-01138	Contoocook River	112.00			390,587.00	8.97	\$191,858.90/\$1,7441.72
Concord/2014-1257/NAE-2014-01138	Merrimack River	7.00			1,262.00	0.03	\$5,241.69/\$476.52
Londonderry/2014-1589/NAE-2014-01500	Merrimack River	12,698.00	0.29				\$53,895.67/\$4,899.61
Londonderry/2014-1591/NAE-2014-01499	Merrimack River	29,838.00	0.68				\$126,645.05/\$11,513.19
Lebanon/2011-2973/NAE-2013-02624	Lower CT River	14,410.00	0.33	110.00			\$56,625.37/\$5,147.76

Manchester-Londonderry/2014-1757/NAE-2014-02267	Merrimack River	676.00	0.02		184,274.00	4.23	\$48,710.42/\$4,428.22
TOWN/DES & CORPS FILE NUMBER	SERVICE AREA	WETLAND LOSS (Square Feet) AC		STREAM LOSS (lin feet)	TEMPORARY IMPACTS (Square feet) AC		ARM FUND REVENUE/ADMIN FEE
Northwood/2014-1443/NAE-2014-02377	Salmon Falls-Piscataqua Rivers	50.00					\$181.79/\$16.53
Milan/2013-2389/NAE-2013-02094	Androscoggin River	21,735.00	0.50				\$67,628.00/\$6,148.00
Portsmouth/2014-1053/NAE-2013-01623	Salmon Falls-Piscataqua Rivers	101,230.00	2.32		53,299.00	1.22	\$351,895.87/\$24,172.36
Durham-Newmarket/2013-2883/NAE-2013-02610	Salmon Falls-Piscataqua Rivers	45,492.00	1.04				\$105,000.00/\$10,500.00
Littleton/2014-447/NAE-2014-00376	Middle CT River			25.00			\$10,000.00/\$1,000.00
Portsmouth/2014-2775/NAE-2015-00011	Salmon Falls-Piscataqua Rivers	88.00			17,140.00	0.39	\$55,490.40/\$5,044.58
Newington/2013-2918/NAE-2013-02607	Salmon Falls-Piscataqua Rivers	14,093.00	0.32				0.00/\$9,447.12
Haverhill/2014-2201/NAE-2014-01888	Middle CT River	37,020.00	0.85				\$119,053.98/\$10,823.09
Lebanon/2014-1521/NAE-01503	Lower CT River	17,114.00	0.39		283,068.00	6.50	\$130,091.00/\$1,1824.70
Troy/2014-2128/	Lower CT River	636.00	0.01	32.00	120,383.00	2.76	\$40,276.19
Littleton/2015-394/NAE-2015-00845	Middle CT River	8,610.00	0.20	195.00			\$28,422.04/\$2,583.22
Hampton/2014-2773/NAE-2015-02773	Salmon Falls-Piscataqua Rivers			145.00			\$31,900.00/\$2,900.00
Salem/2014-3064/NAE-2014-02609	Merrimack River	11,750.00	0.27				\$25,962.10/\$2,360.19
Manchester/2015-680/NAE-2015-00805	Merrimack River	4,280.00	0.10		47,776.00	1.10	\$61,137.98/\$5,558.00
<b>TOTALS</b>		<b>372,707.00</b>	<b>8.56</b>	<b>1,853.00</b>	<b>1,144,594.00</b>	<b>26.28</b>	<b>\$1,893,892.15/ \$194,284.20</b>

In this time period, 28 permits were issued that included 8.56 acres of wetland loss, 1,853 linear feet of stream loss, and 26.28 acres of temporary impacts including secondary impacts due to conversion of forested wetlands to emergent or scrub shrub wetlands. The ARM Fund received mitigation fees of \$1,893,892.15 from the cumulative loss.

### **Program Coordination and Outreach**

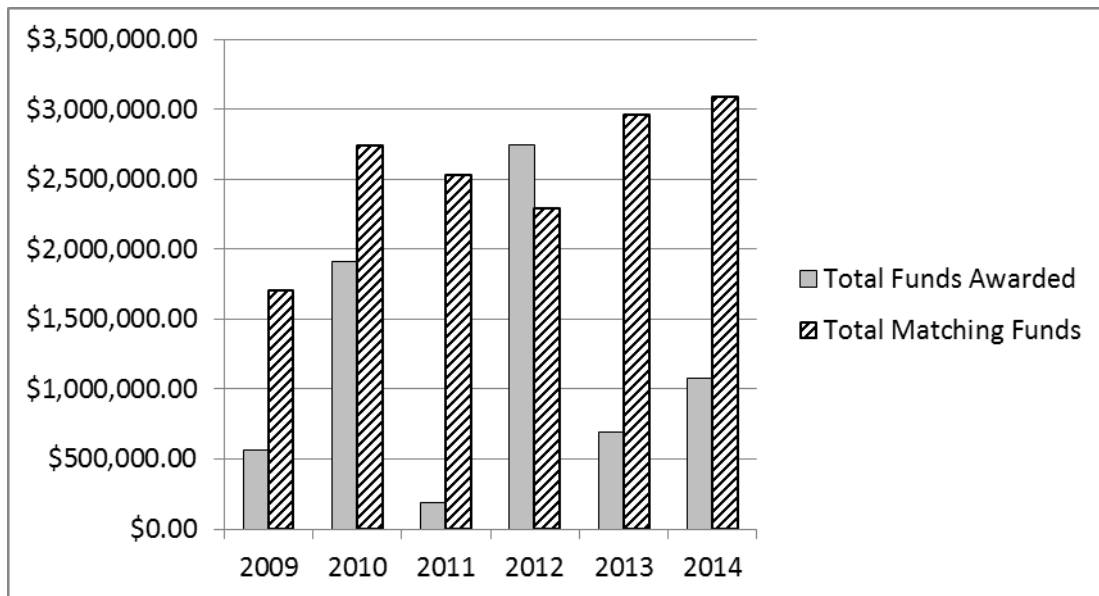
Numerous efforts to coordinate the ARM Fund program with other land conservation initiatives were pursued over the fiscal year. Several opportunities for presenting information on the grant program resulted in more awareness of the funds available and better grant applications. Table 2 lists the outreach events and informational exchanges that occurred over the fiscal year.

**TABLE 2. ARM FUND PRESENTATIONS AND OUTREACH EFFORTS**

<b>EVENTS, OUTREACH EFFORTS</b>	<b>WHEN</b>	<b>WHERE</b>	<b>PRESENTATION/ POSTER DISPLAY/ HANDOUTS</b>	<b># of ATTENDEES</b>
<b>Drinking Water Source Protection Program</b>	July	Plymouth State University	Presentation on partnering opportunities	80
<b>NH Assoc of Conservation Commissions newsletter</b>	August		Web hyperlinks	112 towns receiving email updates
<b>Northeastern Transportation and Wildlife Conference</b>	September	Burlington, VT	Presentation and handouts	125
<b>NH Assoc Con Coms annual meeting</b>	November	Laconia	Presentation and handouts	112 towns alerted and posted on web site
<b>NH Assoc of Natural Resource Scientists annual meeting</b>	January	Concord	Presentation and handouts	130
<b>NH Dept of Transportation and American Council Engineering Companies</b>	January	Concord	Presentation and handouts	95
<b>NH Bar Association</b>	February	Concord	Presentation	15
<b>Constant Contacts</b>	March & April	E-news	Web hyperlinks	2,100 recipients
<b>Websites</b>	February, March, June	Various organizations	Have organizations post a link to the NHDES ARM page with paragraph of info on the current ARM round and draft mitigation rules	Releases issued throughout the year

As the awareness has grown, there has been an increase in the ability for organization to leverage funds to complete large and expensive land transactions. Leveraging of funds is 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 should be noted in the budget materials. Having more partners that assist with funding a project is often a key to success. Figure 1 illustrates the information on the funds provided by the ARM program and matching funds accrued for the completion of the projects. In the 2014 grant round, the matching funds associated with grant awards was the most in the history of the program reaching \$3.1 million.

**FIGURE 1. ARM FUNDS AND LEVERAGED FUNDS ACCORDING TO GRANT ROUND**



**ARM Fund Disbursements in FY 2015**

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 2015 are noted in Table 3 as well as active projects with encumbered funds to be spent in the coming year.

**TABLE 3. ARM FUND DISBURSEMENTS FOR PROJECTS IN FY 2015 AND ACTIVE PROJECTS**

<b>Project Name: Huppe Farm Project</b>			
<b>Applicant:</b> Strafford River Conservancy	<b>Watershed:</b> Salmon Falls-Piscataqua River	<b>Town:</b> Farmington	
<b>ARM Funds Disbursed in FY 2015:</b> \$75,000.00	<b>Total ARM Fund Grant Awarded in 2013 :</b> \$75,000.00	<b>ARM Fund Amount Spent to Date:</b> \$75,000.00	<b>Remaining Amount Encumbered:</b> \$0.00



<b>Description:</b> The project achieved permanent protection of 96 acres of land 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 includes a conservation easement held by the Strafford Rivers Conservancy that permanently protects 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 was a priority by the state funded Land Conservation Plan for the Coastal Watershed and the Isinglass River Management Plan. The project also protects approximately 36 acres of land identified by the NH Fish & Game <i>Wildlife Action Plan</i> as highest ranked in bioregion and protects habitat for the threatened small whorled pogonia, which has 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.			
<b>Project Name: Calef Isinglass River Project</b>			
<b>Applicant:</b> Town of Barrington	<b>Watershed:</b> Salmon Falls-Piscataqua River	<b>Town:</b> Barrington	
<b>ARM Funds Disbursed in FY 2015:</b> \$100,000.00	<b>Total ARM Fund Grant Awarded in 2013:</b> \$100,000.00	<b>ARM Fund Amount Spent to Date:</b> \$100,000.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> The Town of Barrington acquired the 270 +/- acre property owned by the A. Harlan Calef Revocable Trust. The project permanently conserved 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. 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.			
<b>Project Name: Crooked Run Property</b>			
<b>Applicant:</b> Bear-Paw Regional Greenways	<b>Watershed:</b> Merrimack	<b>Towns:</b> Barnstead, Pittsfield, Strafford	
<b>ARM Funds Disbursed in FY 2015:</b> \$350,000.00	<b>Total ARM Fund Grant Awarded in 2012:</b> \$361,600.00	<b>ARM Fund Amount Spent to Date:</b> \$350,000.00	<b>Remaining Amount Encumbered:</b> \$11,600.00
<b>Description:</b> The project involved the purchase of a conservation easement to conserve approx. 600 acres of valuable wildlife habitat. The parcel includes 85 acres of wetlands, 3 miles of perennial streams, most of the frontage on the 30 acre Adams Pond, and almost half of the frontage on Wild Goose Pond. The wetlands include 57 acres of marshland, 26 acres of other wetlands, 2 acres of peatland and the 30 acre Adams Pond. The unfragmented forest that includes Crooked Run is large – more than 2,000 acres in extent connecting a 6,000 acre block that includes Evans Mountain property and a 16,000 acre block just to the north. Nine restoration sites that total 16,900 square feet will be restored including removal of a bridge from a perennial stream, fill removal and slope stabilization adjacent to high value peatlands.			
<b>Project Name: Frazian Land Protection Project</b>			
<b>Applicant:</b> Society for the Protection of NH Forests	<b>Watershed:</b> Pemigewasset-Winnepesaukee	<b>Town:</b> Hebron	
<b>ARM Funds Disbursed in FY 2015:</b> \$175,000.00	<b>Total ARM Fund Grant Awarded in 2013:</b> \$175,000.00	<b>ARM Fund Amount Spent to Date:</b> \$175,000.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> The Society for the Protection of NH Forests purchased 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 that was completed through ARM Funds 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.			
<b>Project Name: Green Hills Conservation Project/Marshall Tract</b>			
<b>Applicant:</b> The Nature Conservancy	<b>Watershed:</b> Saco	<b>Town:</b> Conway	

<b>ARM Fund Disbursed in FY 2015:</b> \$46,000.00	<b>Total ARM Fund Grant Awarded in 2013:</b> \$46,000.00	<b>ARM Fund Amount Spent to Date:</b> \$46,000.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> The Green Hills Conservation Project permanently protected the 1,014 acre Marshall property in Conway, including its approximately 56 acres of high quality, headwater wetlands and on-site adjacent uplands. The parcel links 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.			
<b>Project Name: Hinman Pond I</b>			
<b>Applicant:</b> Bear-Paw Regional Greenways	<b>Watershed:</b> Merrimack	<b>Town:</b> Hooksett	
<b>ARM Funds Disbursed in FY 2015:</b> \$3,738.75	<b>Total ARM Fund Grant Awarded in 2012:</b> \$507,800.00	<b>ARM Fund Amount Spent to Date:</b> \$503,738.75	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> 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.			
<b>Project Name: Green Crow Conservation Project</b>			
<b>Applicant:</b> Society for the Protection of NH Forests	<b>Watershed:</b> Contoocook	<b>Town:</b> Stoddard	
<b>ARM Funds Disbursed in FY 2015:</b> \$15,000.00	<b>Total ARM Fund Grant Awarded in 2013:</b> \$15,000.00	<b>ARM Fund Amount Spent to Date:</b> \$15,000.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> The project permanently protected 361 +/- acres through the purchase of a conservation easement on land purchased by the Harris Center. 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. The property abuts other land held in conservation and the property provides substantial linkage to previously protected lands in Stoddard, Nelson and Hancock.			
<b>Project Name: Avery Brook Watershed Project</b>			
<b>Applicant:</b> Francestown Land Trust	<b>Watershed:</b> Merrimack River	<b>Town:</b> Francestown	
<b>ARM Funds Disbursed in FY 2015:</b> \$0.00	<b>Total ARM Fund Grant Awarded in 2012:</b> \$237,000.00	<b>ARM Fund Amount Spent to Date:</b> \$235,290.00	<b>Remaining Amount Encumbered:</b> \$1,710.00
<b>Description:</b> 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.			
<b>Project Name: Plaistow Town Forest</b>			
<b>Applicant:</b> Southeast Land Trust of NH	<b>Watershed:</b> Merrimack River	<b>Town:</b> Plaistow	

<b>ARM Funds Disbursed in FY 2015:</b> \$30,000.00	<b>Total ARM Fund Grant Awarded in 2012:</b> \$100,000.00	<b>ARM Fund Amount Spent to Date:</b> \$100,000.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> 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 conserved 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.			
<b>Project Name: McQuesten Pond Dam Removals</b>			
<b>Applicant:</b> NH Rivers Council	<b>Watershed:</b> Merrimack		<b>Town:</b> Manchester
<b>ARM Funds Disbursed in FY 2015:</b> \$13,200	<b>Total ARM Fund Grant Awarded in 2013:</b> \$65,400.00	<b>ARM Fund Amount Spent to Date:</b> \$13,200.00	<b>Remaining Amount Encumbered:</b> \$52,200.00
<b>Description:</b> 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 will be established for shading and cooling stream temperatures.			
<b>Project Name: Beaver Brook Restoration Project</b>			
<b>Applicant:</b> City of Keene	<b>Watershed:</b> Lower Connecticut River		<b>City:</b> Keene
<b>ARM Funds Disbursed in FY 2014:</b> \$0	<b>Total ARM Fund Grant Awarded in 2014:</b> \$277,707.00	<b>ARM Fund Amount Spent to Date:</b> \$0	<b>Remaining Amount Encumbered:</b> \$277,707.00
<b>Description:</b> The proposed project includes restoration of approximately 1 acre of historically filled wetlands 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. 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.			
<b>Project Name: Hanchetts Brook Conservation Project</b>			
<b>Applicant:</b> Upper Valley Land Trust	<b>Watershed:</b> Lower Connecticut River		<b>Town:</b> Plainfield
<b>ARM Funds Disbursed in FY 2015:</b> \$110,560.00	<b>Total ARM Fund Grant Awarded in 2012:</b> \$293,090.00	<b>ARM Fund Amount Spent to Date:</b> \$110,560.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> <b>Description:</b> The Upper Valley Land Trust purchased a conservation easement on the 101 acre parcel 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 donated 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 benefits water quality in the area and may serve to benefit potential NHB species.			
<b>Project Name: Baird Property, Snake River Project</b>			
<b>Applicant:</b> Town of New Hampton	<b>Watershed:</b> Pemigewasset-Winnepesaukee River		<b>Town:</b> New Hampton

<b>ARM Funds Disbursed in FY 2015:</b> \$1,205.00	<b>Total ARM Fund Grant Awarded in 2011:</b> \$100,000.00	<b>ARM Fund Amount Spent to Date:</b> \$95,097.00	<b>Remaining Amount Encumbered:</b> \$4,903.00
<b>Description:</b> 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 Waukewan. This Property includes approximately 1,560 feet of frontage along the Snake River which flows from Lake Winona into Lake Waukewan. Lake Waukewan is the drinking water supply for the Town of Meredith. The health of the Snake River is vital to the water quality of Lake Waukewan 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 Waukewan Watershed Advisory Committee, the Waukewan Shore Owners Association, the Town of Meredith Conservation Commission and the Center Harbor Conservation Commission.			
<b>Project Name: Ammonoosuc River Floodplain and Hanno Pond Preservation and Restoration Project</b>			
<b>Applicant:</b> Ammonoosuc Conservation Trust	<b>Watershed:</b> Middle Connecticut River		<b>Town:</b> Lisbon
<b>ARM Funds Disbursed in FY 2015:</b> \$8,250.00	<b>Total ARM Fund Grant Awarded in 2012:</b> \$98,350.00	<b>ARM Fund Amount Spent to Date:</b> \$98,350.00	<b>Remaining Amount Encumbered:</b> \$0.00
<b>Description:</b> 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 containing 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.			
<b>Project Name: Ammonoosuc Floodplain Restoration Project</b>			
<b>Applicant:</b> Ammonoosuc Conservation Trust	<b>Watershed:</b> Middle Connecticut River		<b>Town:</b> Lisbon
<b>ARM Funds Disbursed in FY 2015:</b> \$0.00	<b>Total ARM Fund Grant Awarded in 2013:</b> \$66,000.00	<b>ARM Fund Amount Spent to Date:</b> \$0.00	<b>Remaining Amount Encumbered:</b> \$66,000.00
<b>Description:</b> The ARM Fund grant proposal by ACT is to begin the restoration and enhancement process on the property acquired 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.			
<b>Project Name: Bailey-Clay Brook Property</b>			
<b>Applicant:</b> Upper Valley Land Trust	<b>Watershed:</b> Middle Connecticut		<b>Town:</b> Lyme
<b>ARM Funds Disbursed in FY 2015:</b> \$11,350.00	<b>Total ARM Fund Grant Awarded in 2013:</b> \$43,378.00	<b>ARM Fund Amount Spent to Date:</b> \$11,350.00	<b>Remaining Amount Encumbered:</b> \$32,028.00
<b>Description:</b> This project will protect 4.88 acres of wetlands west of Route 10, including 2,044 linear feet of a brook frontage, 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.			

<b>Project Name: Garrison Spruce Swamp Property</b>			
<b>Applicant:</b> Southeast Land Trust of NH	<b>Watershed:</b> Salmon Falls-Piscataqua		<b>Towns:</b> Brentwood & Fremont
<b>ARM Funds Disbursed in FY 2015:</b> \$0.00	<b>Total ARM Fund Grant Awarded in 2014:</b> \$15,000.00	<b>ARM Fund Amount Spent to Date:</b> \$0.00	<b>Remaining Amount Encumbered:</b> \$15,000.00
<b>Description:</b> The Southeast Land Trust of NH (SELTNH) is currently in negotiations with the owner of a 32.18 acre property to permanently protect approximately 8 acres of wetland and 24.18 acres of upland buffer in the regionally significant Spruce Swamp. SELTNH proposes to place a Natural Resources Conservation Service (NRCS) Wetland Reserve Easement (WRE) on the entire property. Funding for restoration opportunities is not part of this proposal but may occur through the WRE program. The Garrison property is located entirely within the Spruce Swamp Area which the property and its surrounding forest are one of the few wilderness areas remaining in southern New Hampshire. The Swamp is an 824 acre fen nestled in a 1,700+ acre unfragmented forest. The SELTNH will acquire the property with NRCS holding the easement.			
<b>Project Name: Falls Brook Culvert/Stream Passage Improvement Project</b>			
<b>Applicant:</b> Cheshire County Conservation District	<b>Watershed:</b> Lower Connecticut		<b>Town:</b> Swanzey
<b>ARM Funds Disbursed in FY 2015:</b> \$0.00	<b>Total ARM Fund Grant Awarded in 2014:</b> \$115,000.00	<b>ARM Fund Amount Spent to Date:</b> \$0.00	<b>Remaining Amount Encumbered:</b> \$115,000.00
<b>Description:</b> Cheshire County Conservation District with assistance from Trout Unlimited seeks to improve aquatic organism passage, particularly for brook trout, in the Falls Brook culvert located on Hale Hill Road which is two and one quarter miles upstream of the confluence with the Ashuelot River. Falls Brook sub-watershed was identified as the second highest priority sub-watershed due to the amount of high quality cold water headwaters habitat throughout this stream network. The majority of Falls Brook consists of excellent brook trout thermal refugia and spawning habitat. The anticipated restoration will replace an undersized culvert, potentially hazardous to community infrastructure and stream geomorphology during extreme storm events, whereby protecting the long term viability of local wetlands. The new structure will be a steel stringer bridge design allowing for full passage of all organisms as well as the stream flows related to the one hundred year storm event.			

### 2015 ARM Fund Awards

DES announced the availability of funds in nine service areas in March, 2014. The amount of funding available was as follows:

- **\$135,000.00** – Pemigewasset – Winnepesaukee Rivers (headwaters in Lincoln, to Franklin and Sandwich down to Alton and Gilmanton)
- **\$336,000.00** – Salmon Falls to Piscataqua Rivers (headwaters in Wakefield, from the west in Deerfield and to the south down to Seabrook and the MA border).
- **\$1,027,000.00** – Merrimack River (headwaters in Canterbury down to the MA border)
- **\$425,000.00** – Lower Connecticut River (headwaters in Canaan and Lebanon down to MA border)
- **\$52,000.00** – Middle Connecticut River (headwaters in Dalton and Whitefield down to Hanover)

The program required each applicant to submit a pre-proposal summarizing their project. The pre-proposals were reviewed by DES and the ARM Fund Site Selection Committee (“Committee”) and feedback was provided. Full application submittals were due August 18, 2014. Four of the service areas lacked funds to distribute which included the Androscoggin River, Saco River, Contoocook River and Upper Connecticut River service areas. There were no applications submitted for the Middle Connecticut River service area. The funds in that service area will be advertised in 2015.

The Committee, DES staff and federal agency representatives visited 11 application sites on September 15 through October 21. On October 29 the Committee convened to evaluate and rank the applications and selected ten projects to be funded. The Committee's recommendations were approved by the Army Corps of Engineers and the Wetland Council. The following summaries provide details of the awards announced by the Committee and a brief description of the gain in resources from each project awarded funds according to service areas.

**Pemigewasset-Winnepesaukee River Service Area:**

**\$64,236** for the protection of 27.44 acres of land and one mile of shoreline on Lake Wicwas in Meredith. The Lakes Region Conservation Trust (LRCT) and Lake Wicwas Association will permanently protect four separate parcels in the northeast part of the lake. The parcels protected include four potential vernal pools, an island, and the largest marsh area (12.5 acres) within the lake that provides habitat for the only nesting loon pair.

**Salmon Falls to Piscataqua River Service Area:**

**\$121,000** to permanently protect the former Rand Lumber Yard property located on Wallis Road in Rye. In partnership with other funding sources, The Rye Conservation Commission will purchase 73+/- acres of land which will contribute to existing protected lands and the upland buffers that will protect Berry's Brook and designated prime wetlands in Portsmouth.

**\$100,000** to the Town of Exeter to remove the Great Dam in downtown Exeter. The project has the opportunity to benefit the diadromous fish populations in the Exeter River and the wider Great Bay Estuary, enhance the natural and human ecosystem by improving water quality, and reduce Exeter's vulnerability to the growing risk of flooding. The removal project will restore approximately 15 miles of the Exeter River and its tributaries to a free-flowing condition, eliminating a barrier to migrating anadromous fish and improving water quality.

**\$15,000** to permanently protect approximately 8 acres of wetland and 24.18 acres of upland buffer in the regionally significant Spruce Swamp in Fremont. The property will involve a conservation easement held by the Natural Resource Conservation Service after the transfer of the deed to the Southeast Land Trust of New Hampshire. The Spruce Swamp Area and its surrounding forest are one of the few wilderness areas remaining in southern New Hampshire. The Swamp is an 824 acre fen nestled in a 1,700+ acre unfragmented forest.

**\$100,000** for the replacement of an undersized culvert with a precast concrete bridge structure with open bottom design that will restore full stream connectivity of Thompson Brook. The project will be carried out by the Great Bay Chapter of Trout Unlimited and will provide stream bed restoration and fish passage restoration on 1.17 miles of Thompson Brook, a lower tributary of the Winnicut River. Successful completion of the project will provide spawning and rearing habitat, not only for brook trout but for diadromous species of concern including river herring (both blueback and alewife).

**Merrimack River Service Area:**

**\$75,000** for the acquisition of six (6) parcels owned by Manchester Sand and Gravel for the conservation of 218 acres of land in Hooksett. The project will combine Bear-Paw Regional Greenways ownership with a conservation easement held by the New Hampshire Fish and Game Department. The entire 218-acre property lies within a conservation focus area identified in the 2010 NH Fish & Game, Wildlife Action Plan that is more than 18,000 acres in size. The properties contain 21 wetland complexes totaling 25 acres ranging in size from 0.02 acre vernal pools to a ten acre beaver flowage.

**\$197,707** to the Lakes Region Conservation Trust to permanently protect approximately 86 acres of land located on Guinea Ridge Road in Gilmanton. The parcel is located within the focus area of the Belknap Range Conservation Coalition (BRCC) and will protect approximately 21 acres of wetlands and 65 acres of

upland along a significant wetland and perennial stream resource located in the BRCC Focus Area.

**\$150,000** to permanently protect the undeveloped 177-acre Shost property through the purchase of a conservation easement to be held by the Society for the Protection of NH Forests. The property includes one large, 22-acre open wetland complex that was designated as prime in 2005, several smaller forested wetlands, at least three vernal pools, and an unnamed perennial stream which drains south to the Piscataquog River and then to the Merrimack River.

**Lower Connecticut River Service Area:**

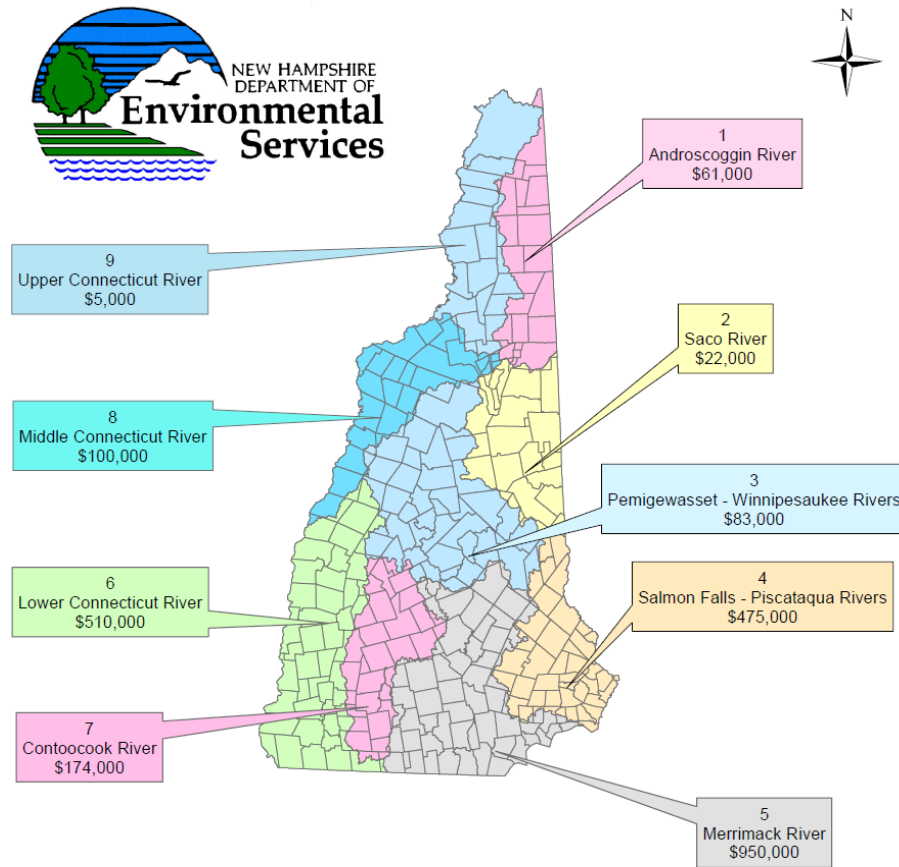
**\$115,000** to improve aquatic organism passage, particularly for brook trout, by removing the Falls Brook culvert located on Hale Hill Road which is two and one quarter miles upstream of the confluence with the Ashuelot River. Cheshire County Conservation District with assistance from Trout Unlimited will replace an undersized culvert, potentially hazardous to community infrastructure and stream geomorphology during extreme storm events. The project will provide approximately 15 miles of barrier free passage which is an area of excellent brook trout thermal refugia and spawning habitat.

**\$140,000** to the Monadnock Conservancy for the acquisition of two conservation easements on the 552-acre West Hill Property in Keene, Swanzey & Chesterfield. These easements will protect: 25.8 acres of wetland; 526.2 acres of upland; approximately 16,850 feet of streams; 13 potential vernal pools; and 3 known vernal pools. The West Hill property includes four perennial streams associated with the wetlands (including a beaver pond) that provide fish and aquatic habitat, with all of these streams flowing into the Ashuelot River.

**2015 ARM Funds Advertised**

In March 2015, DES announced the availability of ARM funds accrued in all nine ARM Fund service areas (See Figure 2). The pre-proposal deadline was April 30, and 30 were received. After review by DES and the Committee, 24 were invited for submission of a full application due August 31. The full applications are reviewed by the Committee and representatives from the Corps EPA. The Committee's recommendations will be provided to the Corps and the Wetland Council for final approval.

**FIGURE 2. ARM FUNDS ADVERTISED IN 2015 ACCORDING TO SERVICE AREAS**



**Status of the ARM Fund Account**

The FY 2015 ended with all nine ARM Fund service areas having a positive balance. The results of the 2015 grant round will be reported in the 2016 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**

<b>Service Areas</b>	<b>Beginning Balance (7/1/2014)</b>	<b>Revenues</b>	<b>Expenses</b>	<b>Encumbered</b>	<b>Ending Balance (6/30/2015)</b>	<b>Committed Funds Not Yet Encumbered</b>
Androscoggin River	\$0.00	\$61,480.00	\$0.00	\$0.00	\$61,480.00	\$0.00
Saco River	\$48,800.00	\$20,147.16	\$46,000.00	\$0.00	\$22,947.16	\$0.00
Pemigewasset to Winnepesaukee Rivers	\$432,263.22	\$605.21	\$176,205.00	\$4,903.00	\$251,760.43	\$162,736.00
Salmon Falls to Piscataqua Rivers	\$521,723.68	\$501,834.59	\$175,000.00	\$15,000.00	\$833,558.27	\$321,000.00
Merrimack River	\$1,464,531.54	\$460,095.74	\$396,938.75	\$65,510.00	\$1,462,178.53	\$422,707.00



Lower Connecticut River	\$831,884.70	\$487,318.91	\$110,560.00	\$392,707.00	\$815,936.61	\$140,000.00
Contoocook River	\$14,638.90	\$174,417.18	\$15,000.00	\$0.00	\$174,056.08	\$0.00
Middle Connecticut River	\$177,583.90	\$182,993.36	\$19,600.00	\$98,028.00	\$242,949.26	\$0.00
Upper Connecticut River	\$0.00	\$5,000.00	\$0.00	\$0.00	\$ 5,000.00	\$0.00
<b>Total All Watersheds</b>	<b>\$3,491,425.94</b>	<b>\$1,893,892.15</b>	<b>\$939,303.75</b>	<b>\$576,148.00</b>	<b>\$3,869,866.34</b>	<b>\$1,046,443.00</b>

**Status of Administrative Assessment Account**

One component of an ARM Fund payment is an administrative assessment established by RSA 482-A:30, III and RSA 482-A:30-1,II. Such account assessments collected shall be used to support up to two full-time positions to administer the funds. The assessment has vacillated starting at 5% in 2009, 20% in 2010, 10% from 2011 through July, 2015 and is currently 20%. The status of the account is noted in Table 5.

**TABLE 5. STATUS OF ADMINISTRATIVE ASSESSMENT ACCOUNT**

Beginning balance (7/1/2014)	Revenues	Expenses	Ending Balance (6/30/2015)
\$119.27	\$205,044.51	\$96,247.14	\$108,916.64

**APPENDIX A  
ARM FUND PAYMENTS, 2006-2015**

PERMIT #	LOCATION	WETLAND LOSS (sqft)	STREAM LOSS (lin ft)	TEMP IMPACTS	TOTAL PAYMENT AMOUNT	DEPOSIT DATE
2006-2360	Londonderry	17,520.00			\$52,394.00	1/25/2007
2006-712	Hooksett	15,678.00			\$61,153.33	6/18/2007
2002-1856	Bethlehem	14,800.00			\$14,904.44	7/20/2007
2002-2529	Littleton	11,898.00			\$29,904.23	8/2/2007
2006-516	Pittsburg	43,452.00			\$103,226.00	8/20/2007
2005-3055	Tilton	25,850.00			\$85,108.00	8/30/2007
2005-2505	Hooksett	25,381.00			\$77,636.00	9/6/2007
2006-2266	Moultonboro	21,485.00			\$76,358.73	12/5/2007
2006-1471	Candia	31,319.00			\$82,438.00	12/27/2007
2007-881	Lincoln	12,437.00			\$30,122.14	2/27/2008
2007-145	Woodstock	15,500.00			\$37,280.06	3/1/2008
2008-3	Londonderry	22,332.00			\$35,545.44	3/27/2008
2007-2703	Keene	36,990.00			\$113,033.10	4/30/2008
2007-1538	Lincoln	6,123.00			\$14,829.77	6/23/2008
2008-590	Rye	2,000.00			\$14,216.22	7/28/2008
2006-3183	Epsom	19,922.00			\$52,342.79	8/16/2008
2007-2373	Stratham	35,000.00			\$124,391.90	9/2/2008

2008-2098	Milan	26,435.00			\$63,110.55	10/17/2008
2007-2200	Epsom	17,422.00			\$45,774.52	12/2/2008
2008-2312	Bow	26,905.00			\$78,157.28	1/26/2009
2005-2313	Colebrook	22,075.00			\$52,933.59	2/18/2009
2006-2733	Lee	23,890.00			\$68,374.50	2/5/2009
2006-3219	Manchester				\$200,000.00	2/19/2009
2008-1529	Jefferson	210.00			\$503.51	3/24/2009
2008-2762	Littleton	12,933.00			\$32,505.59	3/27/2009
2008-1332	Dalton	12,645.00			\$30,357.77	4/13/2009
2008-807	Lincoln	26,760.00			\$64,812.14	4/20/2009
2008-1333	Whitefield	80,770.00			\$90,000.00	5/12/2009
2008-1264	Seabrook	16,094.00			\$57,198.96	6/8/2009
<b>2009 TOTALS</b>		<b>623,826.00</b>			<b>\$1,788,612.56</b>	
2009-593	Durham	16,094.00			\$14,653.53	8/19/2009
2009-937	Hampton	24,001.00			\$95,766.77	10/7/2009
2008-2780	Portsmouth	1,000.00			\$7,980.00	8/19/2009
2008-690	Washington	17,810.00			\$30,000.00	11/20/2009
2009-2922	Rochester	348,480.00			\$1,235,319.12	3/5/2010
2009-1872	Dummer	11,482.00			\$30,708.68	3/18/2010
2009-2330	Keene	14,500.00			\$49,752.41	3/16/2010
2010-215	Ossipee	16,357.00			\$48,534.45	4/5/2010
<b>2010 TOTALS</b>		<b>449,724.00</b>			<b>\$1,512,714.96</b>	
<b>PERMIT #</b>	<b>LOCATION</b>	<b>WETLAND LOSS (sqft)</b>	<b>STREAM LOSS (lin ft)</b>	<b>TEMP IMPACTS</b>	<b>TOTAL PAYMENT AMOUNT</b>	<b>DEPOSIT DATE</b>
2005-556	Durham	17,816.00			\$58,339.06	7/6/2010
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
<b>2011 TOTALS</b>		<b>419,166</b>			<b>\$661,024.86</b>	
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
<b>2012 TOTALS</b>		<b>736,335</b>			<b>\$2,616,575.91</b>	
2009-2074	Rochester	92,462			\$35,000.00	10/16/2012
2012-1226	Swanzy	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-Laonia	31,391			\$134,093.32	1/9/2013
2012-1308	Epping	9,766			\$34,200.09	1/31/2013
2012-1824	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
<b>2013 TOTALS</b>		<b>236,066</b>			<b>\$555,437.96</b>	
<b>PERMIT #</b>	<b>LOCATION</b>	<b>WETLAND LOSS (sqft)</b>	<b>STREAM LOSS (lin ft)</b>	<b>TEMP IMPACTS</b>	<b>TOTAL PAYMENT AMOUNT</b>	<b>DEPOSIT DATE</b>
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- Swanzy	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	Swanzy		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
<b>2014 TOTALS</b>		<b>401,260.00</b>	<b>1,289.00</b>	<b>262,606.00</b>	<b>\$1,474,859.44</b>	
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
2013-3283	Conway	6410.00	315.00		\$22161.88	7/9/2014
2014-364	New Ipswich		154.00		\$33,880.00	7/10/2014
2014-507	Wolfeboro	160.00			\$665.73	8/11/2014
2014-407	Littleton	64.00		46,805.00	\$43,916.01	9/4/2014
2013-3175	Bedford	3070	624		\$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	110		\$56,625.37	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
		<b>WETLAND LOSS (sqft)</b>	<b>STREAM LOSS (lin ft)</b>	<b>TEMP IMPACTS</b>	<b>TOTAL PAYMENT AMOUNT</b>	<b>DEPOSIT DATE</b>
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
2015-394	Littleton	8,610.00			\$28,422.04	4/29/2015
2014-2773	Hampton		145.00		\$31,900.00	5/8/2015
2014-3064	Salem	11,750.00			\$25,962.10	5/11/2015
2014-2128	Troy	632.00		131,941.00	\$56,184.26	4/20/2015
2015-680	Manchester	4,280.00		47,776.00	\$61,137.98	6/18/2015
<b>2015 TOTALS</b>		<b>372,703.00</b>	<b>1,711.00</b>	<b>1,156,152.00</b>	<b>\$2,098,936.66</b>	

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

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

<b>GRANT YEAR</b>	<b>PROJECT NAME, TOWN/ SERVICE AREA #</b>	<b>AWARD AMOUNT</b>	<b>STATUS OF WORK</b>	<b>STATUS OF MONITORING</b>	<b>Cons Deed and Survey Recorded</b>	<b>Base-line Report</b>	<b>Stewrd-ship Plan</b>
2010	Sprucewood Forest, Durham/4	\$500,000.00	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>N/A</b>
2010	Evans Mountain, Strafford/4	\$367,750.00	COMPLETED	COMPLETED	<b>X</b>	<b>X</b>	<b>N/A</b>
2010	Exeter River Project, Brentwood/4	\$78,468.00	COMPLETED	COMPLETED	<b>X</b>	<b>X</b>	<b>X</b>
2010	Siemon Family Trust, Milton/4	\$29,300.00	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>N/A</b>
2010	Upper Oyster River, Barrington/4	\$13,000.00	Withdrawn				
2010	Odiorne Point, Rye/4	\$43,000.00	COMPLETED	COMPLETED	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
2010	Berry Brook Restoration, Dover/4	\$440,000.00	COMPLETED	COMPLETED	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
2010	River Rd., New Castle/4	\$27,993.00	COMPLETED	COMPLETED	<b>N/A</b>	<b>N/A</b>	<b>X</b>

2011	Greenough Ponds, Wentworth & Errol/1	\$89,000.00	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>X</b>
2011	Snake River, New Hampton/3	\$95,097.00	COMPLETED	COMPLETED	<b>X</b>	<b>X</b>	<b>X</b>
2012	Plaistow Town Forest, Plaistow/5	\$100,000.00	COMPLETED	ONGOING	<b>X</b>	<b>X</b>	<b>X</b>
2012	Soucook River - Therrien Forest, Canterbury/5	\$68,830.00	COMPLETED	COMPLETED	<b>X</b>	<b>X</b>	<b>X</b>
2012	Merrimack Riverfront, Hooksett/5	\$150,000.00	COMPLETED	NOT NEEDED			
2012	Merrimack Riverfront, Hooksett/5	\$150,000.00	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>X</b>
2012	Pennichuck Brook, Merrimack/5	\$737,170.00	COMPLETED	COMPLETED	<b>X</b>	<b>X</b>	<b>X</b>
2012	Hinman Pond, Hooksett/5	\$503,738.75	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>X</b>
2012	Avery Brook, Francestown/5	\$235,290.00	Culvert work in spring 2015	ONGOING	<b>X</b>	<b>X</b>	<b>X</b>
2012	Hazelton Farm, Hebron/3	\$100,000.00	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>X</b>
2012	Ammonoosuc Hanno Pond, Lisbon/8	\$98,350.00	COMPLETED	NOT NEEDED	<b>X</b>	<b>X</b>	<b>X</b>

2012	Crooked Run, Barnstead/Pittsfield/S trafford/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  
RIBITS CREDIT LEDGER SUMMARY**

**2009 MERRIMACK - STEWART:**

<b>Available Credits</b>	<b>Withdrawn Credits</b>	<b>Released Credits</b>	<b>Potential Credits</b>	
<b>Wetland</b>				
<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:**

<b>Available Credits</b>	<b>Withdrawn Credits</b>	<b>Released Credits</b>	<b>Potential Credits</b>	
<b>Wetland</b>				
<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
<b>Stream</b>				
<u>100' buffer for stream/river</u>	194.8	196.2	391	391

**2009 MERRIMACK - CLAY POND:**

<b>Available Credits</b>	<b>Withdrawn Credits</b>	<b>Released Credits</b>	<b>Potential Credits</b>	
<b>Wetland</b>				
<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:**

<b>Available Credits</b>	<b>Withdrawn Credits</b>	<b>Released Credits</b>	<b>Potential Credits</b>	
<b>Wetland</b>				
<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 PEMIGEWASSEE/WINNIPESAUKEE - TIOGA RIVER:**

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

**2010 PEMIGEWASSET/WINNIPESAUKEE - COFFIN BROOK ROAD:**

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

**2010 LOWER CONNECTICUT - COLONY:**

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
<b>Wetland</b>			
<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
<b>Stream</b>			
<u>100' buffer for stream/river</u>	480	0	480 480

**2010 PEMIGEWASSET/WINNIPESAUKEE - STROLLING WOODS:**

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
<b>Wetland</b>			
<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
<b>Wetland</b>			
<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	
<b>Wetland</b>				
<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
<b>Stream</b>				
<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	
<b>Wetland</b>				
<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
<b>Stream</b>				
<u>Riparian enhancement</u>	0	0	0	141

**2010 SALMON FALLS/PISCATAQUA - SIEMON FAMILY TRUST:**

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

**2010 SALMON FALLS/PISCATAQUA - BERRY BROOK:**

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

**2010 SALMON FALLS/PISCATAQUA - RIVER ROAD MARSH:**

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

**2011 ANDROSCOGGIN - GREENOUGH PONDS:**

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

**2012 MERRIMACK - PLAISTOW TOWN FOREST:**

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
<b>Wetland</b>			
<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
<b>Wetland</b>			
<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 - MERRIMACK RIVERFRONT:**

Available Credits	Withdrawn Credits	Released Credits	Potential Credits
<b>Wetland</b>			
<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
<b>Wetland</b>			
<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
<b>Stream</b>			
<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
<b>Wetland</b>			
<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	
<b>Wetland</b>				
<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
<b>Stream</b>				
<u>100' buffer for stream/river</u>	0	0	0	51

**2012 PEMIGEWASSET/WINNIPESAUKEE - HAZELTON FARM:**

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

**2012 MERRIMACK - CROOKED RUN:**

Available Credits	Withdrawn Credits	Released Credits	Potential Credits	
<b>Wetland</b>				
<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:**

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