

# Ashuelot River Corridor Management Implementation Plan



2010

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## Acknowledgments

The Ashuelot River Corridor Management Implementation Plan was funded by the NH Department of Environmental Services under Section 604(b) of the Clean Water Act.

The Implementation Plan was prepared by the Ashuelot River Local Advisory Committee (LAC) with assistance from the Southwest Region Planning Commission and Upper Valley Lake Sunapee Regional Planning Commission. The Implementation Plan was developed in 2010.

Ashuelot River Corridor Management Plan  
**Mission Statement**

The Ashuelot River and its corridor continue to experience pressure for increased development, recreation and other uses of its natural and cultural resources. This trend will likely continue in the future. It is essential to have a management approach that ensures a balance between protection of legitimate community interests and the rights of property owners along the river, in order to protect and improve the existing resource values of the River and its corridor.

**The Ashuelot River Corridor Management Plan proposes a management approach with the mission of protecting plentiful clean water, thriving riparian and aquatic habitat for wild plants and animals, providing balance for continued development of land use and water uses, recreation, and other public needs.**

The Ashuelot LAC presents the Ashuelot River Corridor Plan to local officials for consideration in the conventional local planning process, asking Planning Boards to review the Plan and adopt it as an adjunct to the local Master Plan. Planning Boards are encouraged to integrate recommendations from the Plan into local land use planning as they deem appropriate.

Ashuelot River Local Advisory Committee  
**Membership 2010**

Barbara Skuly, Chair—*Swanzey*  
Pablo Fleischmann—*Gilsum*  
Jim Holley—*Keene*  
Stephen Stepenuck—*Swanzey*  
Linda Fuerderer—*Marlow*  
John Davis—*Surry*  
Bret Thelen—*Keene*  
Dan Carr—*Winchester*  
Serena Benedict—*Hinsdale*

**Ashuelot River Corridor Management Implementation Plan 2010**  
**Executive Summary**

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## Planning Process

The Ashuelot River Corridor Management Implementation Plan was developed by the Ashuelot River Local Advisory Committee through a series of meetings held from September 2009 to June 2010. Financial support for the project was provided by NH DES's 604(b) funding. Administrative support was provided by Southwest Region Planning Commission.

The Ashuelot River Local Advisory Committee (ARLAC) developed and ranked the High Priority Issues during a series of work sessions held in September and October 2009. Approaches and tasks for each priority issue were developed at work sessions held during the Committee's regular monthly meetings. These approaches and tasks were further developed by identifying funding and resource needs and sources, potential partners, and a feasible schedule for implementation over the next 1-2 and 3-5 years.

## Findings

The Ashuelot River Local Advisory Committee determined that the following issues were of highest priority to the Ashuelot River Corridor and will include impacts of climate change in consideration of these issues:

1. Public Education, Outreach, and Stewardship
2. Water Quality
3. Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats
4. Preservation of Historical, Archeological, and Cultural Features
5. Promote Public Access
6. Restoration of Fish Populations

## Executive Summary

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### Priority Implementation Approaches in the Ashuelot River Corridor

The following Tasks under the Priority Implementation Approaches were selected for implementation within the next 1-2 years:

1. Public Education, Outreach, and Stewardship. Develop partnerships and outreach to local city and town boards, K-12 schools, colleges, environmental organizations, and the USACE. Promote and provide support for partner projects. Invite a representative from the City of Keene to present to ARLAC annually on City projects. Hold and participate in informational workshops, activities, and projects. Write news articles on river issues for local papers. Investigate website and other online information dissemination options. Include scientific education directly related to climate change as a key component of implementation.
2. Water Quality. Educate ARLAC members on river water quality issues by inviting speakers to monthly meetings and attending or holding workshops, projects, and service learning activities. Renew ARLAC's relationship with KSC science faculty. Explore and address septic system issues in the corridor. Maintain volunteer base and funding for the water quality monitoring to include *E.coli* and phosphorus levels.
3. Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats. Educate ARLAC on conservation, floodplain, buffer, and habitat issues, including the role of forest in the watershed. Encourage partnerships with riverside property owners. Compile educational topics for news articles in local papers. Track land conservation issues in the corridor.
4. Preservation of Historical, Archeological, and Cultural Features. Educate ARLAC on the protection of historical, archeological, and cultural features. Work to protect the Whipple Site and the fish weir after dam removal. Network with local historical societies, make the State aware of sensitive sites, and partner in efforts to protect historical, archeological, and cultural features. Invite speakers to ARLAC monthly meetings.
5. Promote Public Access. Educate ARLAC on river access issues. Investigate river access options that have minimal effects on the river.
6. Restoration of Fish Populations. Educate ARLAC on river connectivity and fish population restoration issues. Invite speakers to ARLAC monthly meetings and coordinate with potential partners for river connectivity projects.

The following tables provide details for the implementation of the six identified Priority Implementation Approaches. Each table identifies approaches, tasks, and a schedule for implementing the tasks for each priority. Also included are a selection of potential entities/partners and resource/funding needs and sources for the approaches. While each task is given a specific implementation schedule, the potential entities/partners and resource/funding needs and sources may apply to several or all of the tasks under the approach.

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Public Education, Outreach, and Stewardship

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
View the implementation of the Ashuelot River Corridor Management Plan through the lens of climate change.	Educate ARLAC members on climate change and how it relates to the Ashuelot River Corridor Management Plan priorities.	1-2 year	Model Forest Policy Program	Need individuals to present to ARLAC on climate change.
	Review the Ashuelot River Corridor Management Plan and determine which sections may be affected by climate change issues.	1-2 year	AVEO Clean Air Cool Planet UNH Climate Change Research Center	Need individuals to review the Plan for sections affected by climate change.  <u>Potential Funding Sources:</u> Clean Air Cool Planet
	Include climate change language in future updates of the Ashuelot River Corridor Management Plan.	1-2 year	NH DES – Climate Change Program	New England Grassroots Environmental Fund Charitable Organizations NH DES Water Quality Planning (604B)
Compile and maintain a list of mail and email contacts for information dissemination.	Gather contact information (mail/email addresses) for landowners, towns, and other individuals and organizations that might be interested in ARLAC news and information.	1-2 year	AVEO Local Land Trusts Cheshire and Sullivan County Conservation Districts Local Town Boards	Need organizations and/or individuals willing to work on announcing mailing list and compiling contact information.  May need funding for “Constant Contact” or similar program.
	Ask partners for newsletter advertising space or to send an email to their members announcing the mailing list.	1-2 year	Local Conservation Commissions and Open Space Committees The Sustainability Project	<u>Potential Funding Sources:</u> New England Grassroots Environmental Fund
	Consider utilizing a system like “Constant Contact” for information management.	3-5 year	Model Forest Policy Program  <i>Assign ARLAC member(s).</i>	Charitable Organizations

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Public Education, Outreach, and Stewardship

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Educate ARLAC members on river segments as described in the Ashuelot River Corridor Management Plan.	Ask ARLAC town representatives to review their river segments.	1-2 year	ARLAC members  Local Conservation, Historic, Open Space, and Heritage Commissions	ARLAC member time to review and visit river segments.
	Educate ARLAC members on the different river segments through river walks and kayak/canoe trips.	3-5 year	Local Town Select, Planning and Zoning Boards  Landowners  <i>Assign ARLAC member(s). Maybe responsible for town of residence.</i>	
Investigate social networking options such as websites, blogs, Twitter, and Facebook.	Determine ARLAC's needs for social networking (i.e. event notification, information dissemination, increasing support etc.)	1-2 year	Local citizen scientists  Local colleges  <i>Assign ARLAC member(s).</i>	Need individuals to research ARLAC's needs and social networking options.
	Determine which method(s) would best fit ARLAC's needs.	1-2 year		Need individuals to set up and maintain the social network site(s).
	Consider linking up with a partner to create a website or webpage.	1-2 year		Need individuals to work on content and information for the social networking site(s).
	Explore set-up and ongoing maintenance options; grant funding, interns, and/or ARLAC members.	3-5 year		<u>Potential Funding Sources:</u>  US EPA Environmental Education Grants  New England Grassroots Environmental Fund  Charitable Organizations
	Use partners to help people access links to ARLAC information/webpage.	3-5 year		NU Environmental Community Grant Program



## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Public Education, Outreach, and Stewardship

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Provide annual newsletters to riverside property owners educating them on river issues.</p>	<p>Consider developing a partnership to aid in implementation of newsletter.</p> <p>Prepare and mail/email/ hand deliver annual newsletters to riverside landowners and other interested parties regarding river issues.</p> <p>Ask partners to submit articles for the newsletter.</p>	<p>3-5 year</p> <p>3-5 year</p> <p>3-5 year</p>	<p>Local Land Trusts</p> <p>UNH Cooperative Extension</p> <p>Cheshire/Sullivan County Conservation Districts</p> <p>The Harris Center</p> <p>AVEO</p> <p>Model Forest Policy Program</p> <p>The Sustainability Project</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need a list of riverside property owners and mailing addresses.</p> <p>Need an individual or organization to assist in writing the newsletters.</p> <p>Need funding/resources for writing, printing, and postage.</p> <p><u>Potential Funding Sources:</u></p> <p>US EPA Environmental Education Grants</p> <p>New England Grassroots Environmental Fund</p> <p>Charitable Organizations</p>
<p>Increase local town boards and municipalities awareness of the ARLAC.</p>	<p>Send ARLAC monthly meeting minutes to interested town boards.</p> <p>Continue annual submissions in town reports.</p> <p>Attend local town board meetings as applicable.</p>	<p>Ongoing; 1-2 year</p> <p>Ongoing; 1-2 year</p> <p>Ongoing; 1-2 year</p>	<p>SWRPC</p> <p>Town Boards (Select Boards, Planning/Zoning Boards, Conservation Commissions, Open Space Committees, etc.)</p> <p><i>Assign ARLAC member(s). Maybe responsible for town of residence.</i></p>	<p>Need individuals to work on compiling and mail/emailing minutes.</p> <p>Need individuals to attend town meetings as applicable.</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Public Education, Outreach, and Stewardship

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Outreach to the public and municipalities regarding natural resource management and pollution issues including:</p> <ul style="list-style-type: none"> <li>• Stormwater management</li> <li>• Timber harvesting/forest protection &amp; management</li> <li>• Sediment and erosion control</li> <li>• Restoration of fish populations</li> <li>• Protection of historical and archeological sites</li> <li>• Implement public education to control or eliminate suburban NPS pollution.</li> <li>• Encourage the proper use and disposal of petroleum products, household chemicals, chemicals for lawn and golf course turf management, and road salt.</li> <li>• Invasive species control</li> </ul>	<p>Include outreach information in ARLAC reports in Town Annual Reports.</p> <p>Try to procure space in local town newsletters for articles.</p> <p>Try to establish a column or insert in one of the local papers (Keene Sentinel, Monadnock Shopper); present a different topic each week/month.</p> <p>Distribute informational handouts at local events. Consider working with partners to utilize existing handouts.</p> <p>Co-sponsor informational workshop series</p>	<p>1-2 year</p> <p>1-2 year</p> <p>3-5 year</p> <p>1-2 year</p> <p>1-2 year</p>	<p>U.S. EPA</p> <p>NH DES</p> <p>NH OEP</p> <p>UNH Stormwater Center</p> <p>Local Land Trusts</p> <p>Local Town Select, Planning and Zoning Boards, Conservation Commissions</p> <p>Local colleges</p> <p>NH Div. of Historical Resources</p> <p>SWRPC</p> <p>Connecticut River Joint Commissions</p> <p>Local Hazardous Waste Collection Events (City of Keene, etc).</p> <p>Model Forest Policy Program</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Develop partnerships and integrate efforts with other group's efforts.</p> <p>Need individuals to work on compiling columns, distributing handouts at local events.</p> <p>May need funding to cover printing costs for informational handouts.</p> <p><u>Potential Funding Sources:</u></p> <p>US EPA Environmental Education Grants</p> <p>New England Grassroots Environmental Fund</p> <p>Charitable Organizations</p> <p>NH DES Watershed Restoration Grants</p> <p>NH DES Water Quality Planning (604B)</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Public Education, Outreach, and Stewardship

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Encourage the use of best management practices, statutes, and protective regulations throughout the river corridor:</p> <ul style="list-style-type: none"> <li>• Steep slope ordinances</li> <li>• Sediment and erosion controls</li> <li>• Setback requirements</li> <li>• Stormwater plans</li> <li>• Timber harvesting best management practices</li> </ul>	<p>Support efforts by towns to protect water quality through their regulations and ordinances.</p> <p>Attend related meetings or review meeting minutes.</p> <p>Draft letters of support when applicable.</p> <p>Support through ARLAC review process.</p> <p>Develop and co-sponsor workshops and trainings to educate involved parties on related BMPs, ordinances, controls, and plans.</p>	<p>3-5 year</p> <p>3-5 year</p> <p>Ongoing</p> <p>Ongoing</p> <p>1-2 year</p>	<p>NH DES</p> <p>NH OEP</p> <p>UNH Stormwater Center</p> <p>Local Town Select, Planning and Zoning Boards, Conservation Commissions</p> <p>NH Board of Foresters</p> <p>UNH Cooperative Extension</p> <p>SWRPC</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to attend related town meetings as applicable.</p> <p>Need individuals to draft letters of support as applicable.</p> <p><u>Potential Funding Sources:</u></p> <p>NH DES Water Quality Planning (604B)</p>
<p>Maintain partnerships between ARLAC and State Agencies.</p>	<p>Make contact with State Agencies interested in ARLAC activities; and provide updates or minutes as appropriate.</p> <p>Provide letters of support as applicable.</p> <p>Send ARLAC representatives as applicable to meetings at State Agencies.</p>	<p>Ongoing</p> <p>Ongoing</p> <p>3-5 year</p>	<p>NH Fish and Game</p> <p>NH OEP</p> <p>NH DES (see Potential Entities and Partners)</p> <p>NH DRED (see Potential Entities and Partners)</p> <p>NH Dept. of Agriculture</p> <p>NH Dept. of Health and Human Services</p> <p>SWRPC</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to work on compiling updates and letters of support as applicable.</p> <p>Need individuals to attend State Agency meeting as applicable.</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Public Education, Outreach, and Stewardship

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Involve the adult community in corridor land use planning and resource management activities.	Continue to hold River Clean-Up Days	Ongoing	Local colleges	Needs unknown; dependant on potential projects and outreach costs
	Develop a contact in the KSC Department of Environmental Studies	1-2 year	Local college students and clubs	<u>Potential Funding Sources:</u>
	Develop a contact at Antioch New England Graduate School	1-2 year	Local Conservation Commissions Land owners	Local Businesses US EPA Environmental Education Grants
	Implement coordinated service learning projects, such as the creation of informational stations with educational materials at river access points.	3-5 year	Citizen scientists Local Churches <i>Assign ARLAC member(s).</i>	New England Grassroots Environmental Fund Charitable Organizations NH DES Water Quality Planning (604B)
Involve school-age children in corridor land use planning and resource management activities.	Consider integrating with established groups currently working with schools.	1-2 year	K-12 schools in corridor	Needs unknown; dependant on potential projects and outreach costs
	Implement education about land stewardship, responsible behavior in the outdoors on public or private land.	1-2 year	4-H clubs Boy Scouts Girl Scouts	<u>Potential Funding Sources:</u> Local businesses US EPA Environmental Education Grants
	Seek volunteer opportunities.	3-5 year	Youth Groups	New England Grassroots Environmental Fund
	Implement coordinated service learning projects, such as the creation of informational stations with educational materials at river access points.	3-5 year	Harris Center <i>Assign ARLAC member(s).</i>	Charitable Organizations NH DES Water Quality Planning (604B)

# Ashuelot River Corridor Management Implementation Plan 2010

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## Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Acquire financial support for ARLAC water quality monitoring and testing.</p>	<p>Research the methods that other groups have used to finance water quality monitoring.</p> <p>Consider working with local colleges to perform water quality monitoring.</p> <p>Discuss program with potential business sponsors and partners.</p> <p>Present river monitoring results to interested groups.</p>	<p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p> <p>Ongoing</p>	<p>NH DES</p> <p>US EPA</p> <p>Towns (i.e., conservation commissions) in the Ashuelot River Corridor</p> <p>Local Colleges</p> <p>Local Businesses</p> <p>Connecticut River Joint Commissions</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to assist with applying for grants with interested partners</p> <p><u>Potential Funding Sources:</u></p> <p>Local Conservation Commissions</p> <p>Local businesses</p> <p>NH DES Watershed Restoration Grants</p> <p>NH DES - Aquatic Resource Mitigation Program Funding</p> <p>New England Grassroots Environmental Fund</p> <p>Charitable Organizations</p> <p>Connecticut River Joint Commissions</p> <p>NH DES Water Quality Planning (604B)</p>

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Make USACE aware of current river issues. Minimize down stream hydrologic and water quality impacts of Surry Mt. reservoir and dam.</p>	Send ARLAC minutes and updates to USACE.	1-2 year	<p>US Army Corps of Engineers</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to work on compiling and mail/emailing ARLAC minutes to the US Army Corps of Engineers.</p> <p>Need individuals to contact USACE to schedule annual presentations.</p>
	Provide USACE with an open invitation to ARLAC meetings.	1-2 year		
	Ask USACE to present annually on Surry Mtn. Reservoir and dam issues.	1-2 year		
	Continue to support of US Army Corps of Engineers (USACE) flow regulation plan.	Ongoing		
	Make USACE aware of brush cutting issues along Ash Swamp Brook and other areas of concern.	1-2 year		
<p>Promote the benefits and importance of continuing the annual testing for metals in Keene, for example, lead and copper in the Ashuelot River.</p>	Send letter of support from ARLAC to the City of Keene regarding their former involvement in the annual metal testing.	1-2 year	<p>City of Keene</p> <p>NH DES</p> <p>US EPA</p> <p>NH Dept. of Health and Human Services</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to work on compiling letters of support</p> <p><u>Potential Funding Sources:</u></p> <p>City of Keene</p> <p>US EPA</p> <p>NH DES</p>
	Meet with City of Keene to discuss continuing the annual metal testing process.	1-2 year		

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Educate ARLAC members and local town officials, commissions, and boards on groundwater protection ordinances.	Invite presenters to ARLAC meetings to discuss groundwater protection ordinances, activities, and issues.	1-2 year	Granite State Rural Water Association	Need guests (Town Boards, Groundwater Protection Specialists) to present information on groundwater protection ordinances, activities, and issues.  Need individuals to contact cities and towns along the corridor periodically for groundwater protection measures/activity updates.
	Support the Keene Wellhead Protection Program and other groundwater protection measures.	1-2 year	City and Town Boards UNH Stormwater Center NH OEP	
	Get updates on the Keene Wellhead Protection Program and other related groundwater protection measures throughout the corridor.	1-2 year	American Rivers SWRPC	
	Integrate wellhead protection programs with protection of the Ashuelot River as applicable.	3-5 year	<i>Assign ARLAC member(s). Maybe responsible for town of residence.</i>	
Follow the progress of municipal and private activities to remediate soil and ground water contamination, such as gasoline, as may exist in the vicinities of: <ul style="list-style-type: none"> <li>• The former canal beneath the Center at Keene/Emerald Street</li> <li>• The south side of Emerald Street</li> <li>• Mill Creek/Center at Keene (PSNH)</li> <li>• Keene Public Works property off Manchester Street in Keene.</li> <li>• The area southwest of Bradco Street</li> <li>• The Keene Landfill on NH Route 12 in Keene</li> </ul>	Determine avenues for ARLAC's involvement.  Determine contacts for project activity updates.  Get frequent updates on projects; provide input as needed.  Ask a City of Keene Representative to present annually to ARLAC on the issue.	1-2 year  1-2 year  1-2 year  1-2 year	NH DES – Brownfields Program  US EPA  City of Keene Boards  SWRPC  <i>Assign ARLAC member(s).</i>	Need individuals to contact the City of Keene periodically for activity updates.  May need individuals to contact NH DES, US EPA, and project Environmental Engineers for updates.  <u>Potential Funding Sources:</u>  US EPA  NH DES  SWRPC Brownfields Program

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Prevent pollution from septic system failure (Pressing issue for Ashuelot Pond in Washington, and the towns of Washington, Gilsum, Marlow, and Surry) and septic pits in Swanzey and possibly other Towns along the South Branch.	Educate Towns and residents on septic issues.	1-2 year	City and Town Boards and Building Inspectors, Code Enforcement Officers, and Health Officers.	Need individuals to provide information on safe septic practices.  May need funding to cover printing costs for informational materials.  Need individual to coordinate activities with Town Boards, Health Inspectors, and any volunteers.
	Ask for input from septic system installers/repairers.	1-2 year	NH DES	<u>Potential Funding Sources:</u>
	Coordinate with Health Officials for E. coli testing.	1-2 year	NH Dept. of Health and Human Services	US EPA (Education Grants)
	Seek volunteers (i.e. local colleges, interns) to create an inventory of houses for E. coli testing.	1-2 year	Granite State Rural Water Association  Local colleges  <i>Assign ARLAC member(s).</i>	NH DES -Watershed Restoration Grants for Impaired Waters  New England Grassroots Environmental Fund  NH DES - Aquatic Resource Mitigation Program Fund  NH DES Water Quality Planning (604B)  Connecticut River Joint Commissions



## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Determine and eliminate causative factors for the observed high E. coli counts, nutrient load, phosphorous, and sediment load in the Ashuelot River.	Focus on areas of concern; Keene Wastewater Treatment Plant, Hinsdale and Keene sewer and storm water lines, the South Branch, the Branch, Mirey Brook, and non-point source pollution.	1-2 year	Local Cities and Towns  NH DES	Need individuals to contact Keene and Hinsdale periodically for activity updates.  Need individuals to perform research, possibly in partnership with local colleges.
	Determine causes for the water quality issues.	3-5 year	NH Dept. of Health and Human Services  Granite State Rural Water Association	<u>Potential Funding Sources:</u>  NH DES - Watershed Restoration Grants for Impaired Waters  New England Grassroots Environmental Fund
	Consider utilizing grants with colleges for research.	3-5 year	Local Colleges  <i>Assign ARLAC member(s).</i>	NH DES - Aquatic Resource Mitigation Program Fund  NH DES Water Quality Planning (604B)
				Connecticut River Joint Commissions

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Ensure appropriate storm water management and minimize impervious surfaces. Specific areas of concern:</p> <ul style="list-style-type: none"> <li>• Krif Road Industrial Park, Keene</li> <li>• Monadnock Marketplace, Keene</li> <li>• Black Brook Industrial Park, Keene</li> <li>• Keene Bypass, Keene</li> <li>• Ash Swamp Brook brush buffer, in the area east of NH Route 10</li> </ul>	<p>Educate ARLAC members, local towns and the City of Keene on stormwater issues.</p>	1-2 year		<p>Need guests to present information on stormwater issues to the ARLAC.</p>
	<p>Promote good stormwater practices when reviewing projects. Encourage the use of pervious pavement and other alternatives to paved surfaces.</p>	1-2 year	<p>UNH Stormwater Center</p> <p>City and Town Boards</p>	<p>Need individuals to work on outreach; compiling information, distributing handouts to municipalities.</p> <p>May need funding to cover printing costs for informational materials.</p> <p>Consider working with local colleges to produce and distribute informational materials.</p>
	<p>Educate municipalities on stormwater issues. Encourage appropriate stormwater management and minimal impervious surfaces associated with existing and future commercial and industrial development on riparian lands.</p>	3-5 year	<p>NH DES</p> <p>US EPA</p> <p>SWRPC</p> <p>Local colleges</p> <p><i>Assign ARLAC member(s).</i></p>	<p><u>Potential Funding Sources:</u></p> <p>US EPA (Education Grants)</p> <p>NH DES -Watershed Restoration Grants for Impaired Waters</p> <p>NH DES - Aquatic Resource Mitigation Program Fund</p>
	<p>Support the proposed Surface Water Protection Ordinance in Keene, proposed by the Surface Water Protection Committee.</p>	1-2 year		<p>NH DES Water Quality Planning (604B)</p> <p>New England Grassroots Environmental Fund</p> <p>Charitable Organizations</p> <p>Connecticut River Joint Commissions</p> <p>NH DOT - Transportation Enhancement Funds</p>

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Increase monitoring of timber practices and encourage all applicable rules and regulations.</p>	Educate ARLAC on timber best management practices.	1-2 year		
	Educate municipalities on timber management issues.	3-5 year		Need guests to present information on good timber practices to the ARLAC.
	Work with local town boards to be aware of issues through regional meetings and presentations.	3-5 year	City and Town Boards	Need individuals to work on compiling information, distributing handouts to municipalities.
	Educate landowners on good timber management practices. Utilize "intent to cut" lists to contact landowners.	3-5 year	Conservation Commissions UNH Cooperative Extension	May need funding to cover printing costs for informational materials.
	Encourage through ARLAC project review process.	1-2 year	NH Board of Foresters Society for the Protection of NH Forests	Consider working with local colleges to produce and distribute informational materials.
	Work with local foresters and loggers to promote good timber practices.	3-5 year	NH Division of Forests and Lands	<u>Potential Funding Sources:</u> US EPA (Education Grants)
	Compile informational materials on good timber harvesting practices or utilize pamphlets put out by NH DES and other groups.	3-5 year	Local colleges <i>Assign ARLAC member(s).</i>	NH DES Water Quality Planning (604B) New England Grassroots Environmental Fund
	Work with local Conservation Commissions to distribute informational materials on good timber harvesting practices.	3-5 year		Charitable Organizations

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Water Quality

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Continue involvement in the effort to determine and eliminate causative factors for the observed high coliform bacteria numbers in Beaver Brook and low oxygen concentration in the Ashuelot River, the South Branch, and other tributaries.</p>	<p>Determine avenues for ARLAC's involvement.</p> <p>Determine contacts for project activity updates.</p> <p>Get frequent updates on projects; provide input as needed.</p> <p>Ask a City of Keene Representative to present annually to ARLAC on the issue.</p>	<p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p>	<p>City of Keene Boards</p> <p>US EPA</p> <p>NH DES</p> <p>The Nature Conservancy</p> <p>Keene State College</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to contact the City of Keene periodically for activity updates.</p> <p>Need individuals to contact KSC and determine any current student projects on Beaver Brook.</p> <p><u>Potential Funding Sources:</u></p> <p>US EPA</p> <p>NH DES Water Quality Planning (604B)</p>

**Priority: Water Quality**

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Increase monitoring of mining practices and encourage enforcement of all applicable rules and regulations.</p>	<p>Educate ARLAC on mining best management practices.</p> <p>Educate municipalities on mining issues, such as RSA 155E (Local Excavation Regulations).</p> <p>Work with local town boards to be aware of issues.</p>	<p>1-2 year</p> <p>3-5 year</p> <p>3-5 year</p>	<p>City and Town Boards</p> <p>Conservation Commissions</p> <p>NH DES</p> <p>SWRPC</p> <p>NH OEP</p> <p>AVEO</p> <p>NH Geologic Survey</p> <p>Local colleges</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need guests to present information on good mining practices to the ARLAC.</p> <p>Need individuals to work on compiling information, distributing handouts to municipalities.</p> <p>May need funding to cover printing costs for informational materials.</p> <p>Consider working with local colleges to produce and distribute informational materials.</p> <p><u>Potential Funding Sources:</u></p> <p>US EPA (Education Grants)</p> <p>NH DES Water Quality Planning (604B)</p> <p>New England Grassroots Environmental Fund</p> <p>Charitable Organizations</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Educate ARLAC on land management plan options and the pros/cons of the options.</p> <p>Educate ARLAC on land management plans and encourage land management and related plans.</p>	<p>Keep track of towns land management and related plans.</p> <p>Create a table to track the different plans.</p> <p>Acquire copies of plans when possible from partners.</p>	<p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p>	<p>Local Land Trusts</p> <p>Open Space Committees</p> <p>Conservation Commissions</p> <p>Planning Boards</p> <p>SWRPC</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need guests to present information on land management plans.</p> <p>Need individuals to work on collecting plan information from their respective towns.</p> <p>Contact the Monadnock Conservancy. They are compiling a Natural Resource Inventory and Open Space Plan list.</p>
<p>Integrate US Army Corps of Engineers Surry Mt. flood area land management goals with local and corridor wide goals (regarding plant communities, wildlife habitat and agricultural lands).</p>	<p>Ask the USACE to provide yearly updates or presentations on their recent activities and/or plans.</p> <p>Work with the US Army Corps of Engineers to integrate their land management goals with corridor wide goals as feasible.</p>	<p>1-2 year</p> <p>3-5 year</p>	<p>US Army Corps of Engineers</p> <p>Local Land Trusts</p> <p>AVEO</p> <p>Cheshire County Conservation District</p> <p>US Department of Agriculture - Natural Resources Conservation Services</p> <p><i>Assign ARLAC member(s).</i></p>	<p>Need individuals to contact USACE to schedule annual presentations.</p> <p>Need individuals to work on contacting organizations involved in promoting corridor management goals to discuss possibilities for integrating with the Surry Mt. flood area land management goals.</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Continue to support park land and open space preservation.</p>	<p>Track progress and change of open space and park preservation in the Ashuelot River Corridor.</p> <p>Support efforts by towns to protect land and open space; draft letters of support when applicable.</p>	<p>1-2 year</p> <p>1-2 year</p>	<p>Local City and Town boards</p> <p>Local Conservation and Open Space Committees</p> <p>Recreation groups</p> <p>NH Div. of Parks and Recreation</p> <p>NH Div. of Forests and Lands</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need individuals to work on tracking open space and park preservation activities from their respective towns.</p> <p>Need individuals to draft letters of support as applicable.</p>
<p>Minimize the impact of brush cutting along the corridor rivers.</p> <ul style="list-style-type: none"> <li>• Ash Swamp Brook Road, Swanzey</li> <li>• Beaver Brook, Keene</li> <li>• Ashuelot Dam, Keene</li> </ul>	<p>Work with the utility companies to minimize cutting along vegetative buffers such as at the Ashuelot Dam.</p> <p>Notify involved entities of the damages and impacts of brush cutting. The brush cutting along Beaver Brook is encouraging the growth of the invasive Japanese Knotweed.</p> <p>Request meetings with involved parties (PSNH, highway departments, property owners, etc.) to discuss solutions such as vegetative buffers and best management practices.</p>	<p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p>	<p>City of Keene Boards</p> <p>Keene Public Works</p> <p>Town of Swanzey Boards</p> <p>Swanzey Public Works</p> <p>NH DOT</p> <p>NH DES Exotic Species Program</p> <p>NH Dept. of Agriculture</p> <p>Public Service of NH</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need individuals to work on contacting involved entities.</p> <p><u>Potential Funding Sources:</u></p> <p>NH Fish and Game</p> <p>NH DES Exotic Species Program</p> <p>NH Dept. of Agriculture</p> <p>US Dept. of Agriculture - Natural Resources Conservation Service</p> <p>Connecticut River Joint Commissions Partnership Program</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources	
Continued support and encouragement of private and municipal land conservation in the corridor.	Educate landowners on land conservation options; encourage them to investigate if interested.	1-2 year	Local Land Trusts	Need individuals to work on tracking conservation efforts information from their respective towns.	
	Be aware of land conservation efforts; ask involved individuals/organizations/towns for activity updates.	1-2 year	Conservation Commissions Yale University City of Keene Town of Swanzey	Need individuals to work on compiling letters of support. Need individuals to work on compiling information and handouts on conservation options; local land trusts may be able to provide these materials.	
	Support (with a letter of support) future efforts to conserve the Yale Forest.	1-2 year	NH Department of Resources and Economic Development	<u>Potential Funding Sources:</u> (for land conservation)	
				NH Land and Community Heritage Investment Program	Local Land Trusts NH Land and Community Heritage Investment Program
				US Dept. of Agriculture - Natural Resources Conservation Service	US Dept. of Agriculture - Natural Resources Conservation Service Quabbin to Cardigan Partnership
				<i>Assign ARLAC member(s)</i>	Connecticut River Joint Commissions Partnership Program NH Moose Plate Program



## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Be aware of and investigate riparian forest and shade issues in Bretwood golf course.</p>	<p>Be aware of river habitat conditions around the golf course due to shade issues.</p> <p>Work to develop a relationship with the Bretwood golf course to facilitate cooperation and understanding.</p> <p>Meet with/contact the Bretwood golf course to discuss river issues and potential best management practices for golf course management activities near the river.</p> <p>Become aware of potential habitat issues caused by lawn chemicals. Consider water quality testing in the vicinity.</p>	<p>3-5 year</p> <p>1-2 year</p> <p>1-2 year</p> <p>3-5 year</p>	<p>NH DES</p> <p>US EPA</p> <p>Connecticut River Joint Commissions</p> <p>Bretwood Golf Course</p> <p>City of Keene Boards</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need an individual to contact involved entities.</p> <p><u>Potential Funding Sources:</u></p> <p>NH DES</p> <p>US EPA</p> <p>NH DES - Aquatic Resource Mitigation Program Funding</p> <p>Connecticut River Joint Commissions</p>
<p>Support the US Fish &amp; Wildlife Service dwarf wedgemussel rehabilitation plan.</p>	<p>Send letter of support if needed.</p> <p>Assist with moving the wedgemussels when the Colony Faulkner Dam is removed.</p>	<p>Ongoing</p>	<p>US Fish and Wildlife</p> <p>NH Fish and Game</p> <p>Local Schools and Colleges</p> <p>4-H clubs</p> <p>Boy and Girl scouts</p> <p>Citizen scientists</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need individuals to work on compiling letters of support if needed.</p> <p>Need individuals to work on tracking the wedgemussel rehabilitation effort.</p> <p>Need individuals to assist with moving the wedgemussels when the dam is removed.</p>

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Support the development of a draw-down regimen for Ashuelot Pond that will meet the goals of weed and flood control.</p>	<p>Identify entities involved in the development of a draw-down regimen for Ashuelot Pond.</p> <p>Research successful examples of draw-down plans or regimens.</p> <p>Work with interested partners in the development of a workable plan.</p>	<p>3-5 year</p> <p>3-5 year</p> <p>3-5 year</p>	<p>Town of Washington Boards</p> <p>Lake Ashuelot Estates</p> <p>Ashuelot Pond Association</p> <p>NH DES</p> <p>The Nature Conservancy</p> <p>Connecticut River Joint Commissions</p> <p>NH Fish and Game</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need individual to identify and contact entities involved in the development of a draw-down regimen for Ashuelot Pond.</p> <p>Need an individual to research examples of successful draw-down plans.</p> <p><u>Potential Funding Sources:</u></p> <p>NH DES - Watershed Assistance Grants for High Quality Waters</p> <p>NH DES - Watershed Restoration Grants for Impaired Waters</p> <p>NH Department of Environmental Services - Water Quality Planning (604B)</p> <p>NH DES - Aquatic Resource Mitigation Program Funding</p> <p>Connecticut River Joint Commissions Partners Program</p> <p>NH Fish and Game</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Continue to protect forested riparian buffers, riparian wetlands and other sensitive habitats through a land conservation strategy.</p> <ul style="list-style-type: none"> <li>• Oxbows</li> <li>• Wetlands</li> <li>• Floodplain forest systems</li> <li>• Indigenous plant habitats</li> <li>• Wildlife habitats</li> </ul>	<p>Educate ARLAC members on conservation issues for the identified areas.</p> <p>Consider sending ARLAC members to the Monadnock Conservancy's Conservation Leadership Training sessions.</p> <p>Educate landowners on conservation options.</p> <p>Refer interested landowners to local land trusts and conservation groups.</p> <p>Implement through project reviews.</p> <p>Compile news articles for local papers.</p>	<p>1-2 year</p> <p>1-2 year</p> <p>3-5 year</p> <p>3-5 year</p> <p>1-2 year</p> <p>1-2 year</p>	<p>Conservation Commissions</p> <p>Open Space Committees</p> <p>Local Land Trusts</p> <p>NH DES</p> <p>Connecticut River Joint Commissions</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need guests to present information on riparian natural areas.</p> <p>Need individuals to work on compiling information and handouts on conservation options; local land trusts may be able to provide these materials.</p> <p>Need individuals to compile news articles.</p> <p><u>Potential Funding Sources:</u> (for land conservation)</p> <p>Local Land Trusts</p> <p>NH Land and Community Heritage Investment Program</p> <p>US Dept. of Agriculture - Natural Resources Conservation Service</p> <p>Quabbin to Cardigan Partnership</p> <p>Connecticut River Joint Commissions Partnership Program</p> <p>NH Moose Plate Program</p> <p>United States Department of Agriculture Natural Resources Conservation Services - NH Wetlands Reserve Program</p> <p>NH DES Water Quality Planning (604B)</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Protect, Preserve, and Conserve Floodplains, Riparian Buffers, Wetland Buffers, and Wildlife and Plant Habitats.

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Concentrate on a wider approach to river protection including the watersheds of all feeder streams and tributaries through the development of a Watershed Plan for the Ashuelot River Corridor.</p>	<p>Research successful examples of Watershed Plans.</p> <p>Consider and contact potential entities to work in partnership in the creation of a Watershed Plan. (Note: The Nature Conservancy's recent projects in the Ashuelot River Corridor may be supportive to the development of a Watershed Plan).</p> <p>Long term goal: Creation of a Watershed Plan.</p>	<p>3-5 year</p> <p>3-5 year</p> <p>3-5 year</p>	<p>NH DES Watershed Assistance Section</p> <p>The Nature Conservancy</p> <p>AVEO</p> <p>American Rivers</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need individuals to research examples of successful Watershed Plans.</p> <p>Need individuals to contact potential entities to work in partnership in the creation of a Watershed Plan</p> <p>May need individuals to assist in seeking grants with partners.</p> <p><u>Potential Funding Sources:</u></p> <p>NH Department of Environmental Services - Water Quality Planning (604B)</p> <p>NH DES - Watershed Assistance Grants for High Quality Waters</p> <p>NH DES - Watershed Restoration Grants for Impaired Waters</p> <p>Connecticut River Joint Commissions Partners Program</p>
<p>Discourage development on floodplain lands.</p>	<p>Be aware of floodplain activities in the corridor.</p> <p>Write letters of support for ordinances and/or legislation that supports this goal.</p> <p>Implement through project reviews.</p>	<p>1-2 year</p> <p>1-2 year</p> <p>1-2 year</p>	<p>City and Town Boards</p> <p>NH Fish and Game</p> <p>NH DES</p> <p>FEMA</p> <p>USACE</p> <p><i>Assign ARLAC member(s). Maybe responsible for town of residence.</i></p>	<p>Need individuals to track floodplain activities in the corridor.</p> <p>Need individuals to attend meetings or to be contact for updates (agendas, minutes, etc.)</p> <p>Need individuals to work on compiling letters of support.</p>

**Priority: Preservation of Historical, Archeological and Cultural Features**

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Protect the scenic character of local riverside roads.</p> <ul style="list-style-type: none"> <li>• River Road in Gilsum and Surry.</li> <li>• Other roads as identified.</li> </ul>	<p>Identify scenic riverside roads of interest for protection.</p> <p>Document the scenic character aspects that need to be preserved.</p> <p>Identify potential ways to protect the scenic character.</p> <p>Present findings to town boards.</p> <p>Consider organizing interested citizens in a protection campaign.</p> <p>Implement through project reviews.</p>	<p>3-5 year</p> <p>3-5 year</p> <p>1-2 year</p> <p>3-5 year</p> <p>1-2 year</p> <p>Ongoing</p>	<p>Town of Gilsum Boards</p> <p>Town of Surry Boards</p> <p>Gilsum and Surry Conservation Commission</p> <p>Local Land Trusts</p> <p>Local Heritage Commissions</p> <p>Local Colleges (Franklin Pierce University - Dr. Robert Goodby)</p> <p>AVEO</p> <p>NH Department of Resources and Economic Development - Division of Forests and Lands</p> <p><i>Assign ARLAC member(s)</i></p>	<p>Need individuals to document the scenic character aspects that need to be preserved, and determine potential preservation options.</p> <p>Need individuals to present findings to town boards.</p> <p>May need individuals to work on organizing citizen protection campaign.</p> <p>May need individuals to assist with seeking grants if applicable.</p> <p>May need individuals to work on social networking sites to raise awareness and support.</p> <p><u>Potential Funding Sources:</u></p> <p>NH Land and Community Heritage Investment Program</p> <p>NH DOT - Transportation Enhancement Funds – Scenic Roads</p> <p>Connecticut River Joint Commissions</p>

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Preservation of Historical, Archeological and Cultural Features

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Preserve natural amenities of the Gilsum Gorge.	Document the natural amenities that need to be preserved.	3-5 year	Town of Gilsum Boards	Need individuals to document the natural amenities aspects that need to be preserved, and determine potential preservation options.
	Identify potential ways to preserve the natural amenities.	1-2 year	Gilsum Conservation Commission	Need individuals to present findings to town boards.
	Present findings to town boards.	3-5 year	Gilsum Recreation Committee	May need individuals to work on organizing citizen protection campaign.
	Consider organizing interested citizens in a protection campaign.	1-2 year	Gilsum Schools	May need individuals to assist with seeking grants if applicable.
	Create educational station(s) highlighting important natural amenities.	3-5 year	Girl/Boy Scouts	<u>Potential Funding Sources:</u> US EPA (Education Grants) NH Land and Community Heritage Investment Program
	Implement through project reviews.	Ongoing	4-H Clubs	
			Youth Groups	Connecticut River Joint Commissions
			Land Trusts	
			AVEO	
			<i>Assign ARLAC member(s)</i>	

## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Preservation of Historical, Archeological and Cultural Features

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Focus stewardship efforts for abandoned mill sites, dams, weirs such as the Swanzey weir, and historic culverts.</p>	Educate ARLAC members on historic structures and sites including weirs, dams, and mill sites.	1-2 year		Need individuals to present to ARLAC on historic structures.
	Create an inventory of sites and structures of interest.	3-5 year	City and Town Boards Local Historical Societies	Need individuals to create an inventory of historic sites or structures of interest.
	Create a relationship between ARLAC members and interested partners for preservation efforts.	1-2 year	Conservation Commissions NH Division of Historical Resources NH DES Dam Bureau	May need individuals to assist with seeking grants if applicable.  <u>Potential Funding Sources:</u> NH Land and Community Heritage Investment Program
	Work with interested partners to monitor sites and structures for deterioration if inactive or performance if still active.	1-2 year	Local Colleges - History Departments <i>Assign ARLAC member(s)</i>	NH of Cultural Resources - Division of Historical Resources NH Department of Resources and Economic Development - Division of Parks and Recreation
	As needed, research options to renovate, remediate, and/or restore deterioration of sites and structures with partners.	1-2 year		Connecticut River Joint Commissions

**Priority: Promote Public Access**

<b>Approach</b>	<b>Tasks</b>	<b>Schedule</b>	<b>Potential Entities/Partners</b>	<b>Resources/Funding Needs and Sources</b>
<p>Encourage community support and use of trails.</p> <ul style="list-style-type: none"> <li>• Ashuelot Rail Trail</li> <li>• Fort Hill Line Trails</li> <li>• Other trails as identified.</li> </ul>	Create a relationship between ARLAC members and potential partners involved in monitoring and managing the public use of trails.	3-5 year		<p>Need individuals to contact potential partners.</p> <p>Need individuals to assist with trail monitoring and maintenance.</p>
	Work with local trail maintenance groups or community organizations on maintenance issues.	3-5 year	Local Trail Clubs (i.e., snowmobile)	<p>Need individuals to assist with compiling and distributing informational materials.</p>
	Educate trail users and maintainers on sensitive natural resources around trails and encourage best management practices for trail maintenance and construction activities.	3-5 year	City and Town Boards Conservation Commissions	<p>May need funding to cover printing costs for informational handouts.</p>
	Involve community organizations to help maintain and monitor.	3-5 year	NH Department of Resources and Economic Development - Division of Parks and Recreation - Bureau of Trails Recreational Trails Program	<p>Need individuals to assist with seeking grants if applicable.</p> <p><u>Potential Funding Sources:</u></p>
	Implement through the review of projects that may impact trail usage.	3-5 year	<i>Assign ARLAC member(s)</i>	<p>NH DOT - Transportation Enhancement Funds</p>
	Partner with trail maintenance groups for grants if applicable.	3-5 year		<p>NH Department of Resources and Economic Development - Division of Parks and Recreation - Bureau of Trails Recreational Trails Program</p> <p>US EPA (Education Grants)</p>



## Ashuelot River Corridor Management Implementation Plan 2010

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### Priority: Promote Public Access

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Provide for public access throughout the reach.	Research good methods for access (such as canoe ramps), accounting for water level fluctuations.	1-2 year	City and Town Boards Private Land Owners Conservation Commissions	<u>Potential Funding Sources:</u> NH Land and Community Heritage Investment Program NH Department of Resources and Economic Development - Division of Parks and Recreation - Bureau of Trails Recreational Trails Program
	Work to locate public parking along Ashuelot Street (Keene).	3-5 year	Local Land Trusts NH Department of Resources and Economic Development - Division of Parks and Recreation - Bureau of Trails	NH DOT - Transportation Enhancement Funds
	Work with NH on access and design suggestions at the Route 10 Bridge over the Ashuelot River and Crescent Bridge.	Ongoing	NH Department of Resources and Economic Development - Division of Travel and Tourism	NH Moose Plate Program New England Grassroots Environmental Fund
	Look into placing informational kiosks at access points regarding sensitive use of river resources and respect for private landowners.	3-5 year	Public Waters Access Board 4-H, Girl and Boy Scouts <i>Assign ARLAC member(s).</i>	Charitable Organizations NH Department of Resources and Economic Development - Division of Travel and Tourism

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Promote Public Access

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Promote the natural areas of the river corridor as tourist destinations.</p>	<p>Educate ARLAC members on encouraging tourism.</p> <p>Educate municipalities on encouraging tourism.</p> <p>Promote tourism in the corridor through outreach and education campaigns; boating, fishing, hiking, etc.</p> <p>Coordinate and participate in outdoor activities with partners; kayak trips, river trips, and park visits.</p>	<p>1-2 year</p> <p>3-5 year</p> <p>3-5 year</p> <p>3-5 year</p>	<p>City and Town Boards</p> <p>Local Conservation Commissions</p> <p>Local Recreation Committees</p> <p>Local Chambers of Commerce</p> <p>Local businesses</p> <p>NH Department of Resources and Economic Development - Division of Travel and Tourism</p> <p><i>Assign ARLAC member(s).</i></p>	<p>-Need guests to present information on tourism to the ARLAC.</p> <p>-Need individuals to work on compiling information, distributing handouts to municipalities.</p> <p>-May need funding to cover printing costs for informational materials.</p> <p>Need individuals and/or partners to coordinate and participate in outdoor activities.</p> <p><u>Potential Funding Sources:</u></p> <p>US EPA (Education Grants)</p> <p>NH DES</p> <p>NH Moose Plate Program</p> <p>New England Grassroots Environmental Fund</p> <p>Charitable Organizations</p> <p>NH DOT</p> <p>NH Department of Resources and Economic Development - Division of Travel and Tourism</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Restoration of Fish Populations

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
<p>Support removal of physical barriers and water quality barriers to migratory fish passage and reproduction in the Ashuelot River and its tributaries through education and organizational collaboration.</p>	<p>Educate ARLAC on native species and their biological requirements.</p>	<p>1-2 year</p>	<p>NH DES (Dam Removal and River Restoration Program) AVEO</p>	<p>Need guests to present information on passage restoration to the ARLAC. Need individuals to work on compiling letters of support.</p>
	<p>Educate ARLAC on passage restoration.</p>	<p>1-2 year</p>	<p>The Nature Conservancy</p>	<p><u>Potential Funding Sources:</u></p>
	<p>Work with other interested partners to support river restoration efforts.</p>	<p>1-2 year</p>	<p>Trout Unlimited NH Fish and Game</p>	<p>NH DES - Dam Removal and River Restoration Program The Nature Conservancy</p>
	<p>Write letters of support if applicable.</p>	<p>1-2 year</p>	<p>City and Town Boards Conservation Commissions</p>	<p>Trout Unlimited American Rivers</p>
	<p>Implement through project reviews.</p>	<p>1-2 year</p>	<p>Private Land Owners Local Schools and Colleges</p>	<p>NH DES - Aquatic Resource Mitigation Program Funding NH DES Water Quality Planning (604B)</p>

## Ashuelot River Corridor Management Implementation Plan 2010

### Priority: Restoration of Fish Populations

Approach	Tasks	Schedule	Potential Entities/Partners	Resources/Funding Needs and Sources
Facilitate the fulfillment of migratory fish restoration goals, e.g. removal of physical barriers to fish migration and restoration of seasonal hydrologic cycles through partnerships.	Set up a speaker to present to ARLAC, local town boards and commissions on passage restoration.	1-2 year	NH DES - Dam Removal and River Restoration Program  AVEO	Need guests to present information on passage restoration to the ARLAC and Towns.  Need individuals to monitor hydrologic conditions, native and invasive species, and potentially assess other biological conditions beyond passage abilities.
	Work with other interested partners to implement river restoration efforts.	1-2 year	The Nature Conservancy  Trout Unlimited	Need individuals to assist with seeking grants if applicable.  <u>Potential Funding Sources:</u>
	Monitor hydrologic conditions, native and invasive species, and potentially assess other biological conditions beyond passage abilities.	3-5 year	NH Fish and Game  City and Town Boards  Conservation Commissions	NH DES - Dam Removal and River Restoration Program  The Nature Conservancy  Trout Unlimited
	Work with partners to re-establish connectivity in priority reaches as determined by TNC study.	1-2 year	Private Land Owners  Local Schools and Colleges	American Rivers  NH DES - Aquatic Resource Mitigation Program Funding  NH DES Water Quality Planning (604B)

## Potential Entities and Partners

The following is a list of entities/partners that may serve as resources in implementing the priorities. They can offer a range of services such as speaker/training, community outreach, technical services, volunteer services, publicity, ordinances and regulations, and many others.

- **Local Conservation Commissions**
- **Local Open Space Committees**
- **Local Select Boards**
- **Local Planning/Zoning Boards**
- **Local Public Works Departments**
- **Local Historical Societies**
- **Local Heritages Commissions**
- **Local Recreation Departments**
- **Local Town Building Inspectors**
- **UNH Cooperative Extension**
- **Cheshire County Conservation District**
- **Sullivan County Conservation District**
- **Quabbin to Cardigan Partnership**
- **Ashuelot Valley Environmental Observatory**
- **Clean Air Cool Planet**
- **Model Forest Policy Program**
- **Granite State Rural Water Association**
- **Local Land Trusts**
  - Monadnock Conservancy
  - The Nature Conservancy
  - Audubon Society
  - Society for the Protection of NH Forests
  - Harris Center
- **Land Trust Alliance**
- **American Rivers**
- **Trout Unlimited**
- **Friends of the Ashuelot River**
- **Keene Friends of Open Space**
- **Friends of Pisgah**
- **Merrimack Valley Paddlers**
- **Appalachian Mountain Club**
- **American Canoe Association**
- **Connecticut River Joint Commissions**
- **Other Local River Advisory Committees**
- **Local Newspapers**
  - The Keene Sentinel
  - The Monadnock Shopper
  - Town Newsletters
- **Local Rail Trail Clubs**
- **Private Land Owners**
- **Volunteers**
- **4-H Clubs**
- **Local Boy Scout Troops**
- **Local Girl Scout Troops**
- **Local Businesses**
- **Local Chambers of Commerce**
- **Churches**
- **Youth Groups**
- **Local Colleges**
  - Keene State College
  - Franklin Pierce University
  - Antioch New England
- **School Districts**
  - Hillsborough-Deering
  - Keene
  - Monadnock
  - Winchester
  - Hinsdale
- **University of NH**
  - UNH Cooperative Extension
  - UNH Stormwater Center
  - UNH Climate Change Research Center
  - NH Department of Transportation - T<sup>2</sup> Center
- **Keene Chamber of Commerce**
- **Other Fraternal/Civic Organizations**
  - Lions Clubs
  - Rotary Clubs
  - NH Freemasons
  - Elk Clubs
  - Independent Order of Odd Fellows
- **Southwest Region Planning Commission**
- **Upper Valley Lake Sunapee Regional Planning Commission**
- **NH US Army Corps of Engineers**
- **NH River Restoration Task Force**
- **NH Land and Community Heritage Investment Program**
- **NH Board of Foresters**
- **NH Timberland Owners Association**
- **New England Forestry Foundation**
- **NH Local Government Center**
- **NH Center for Non-Profits**

### Potential Entities and Partner

- **NH Fish and Game**  
Public Water Access Advisory Board
- **NH Department of Environmental Resources**  
Climate Change Program  
Water Division  
Waste Management Division
- **NH Department of Transportation**  
Transportation Enhancement Funds
- **NH of Cultural Resources - Division of Historical Resources**
- **NH Department of Resources and Economic Development**  
NH Division of Parks and Recreation  
NH Trails Bureau  
NH Division of Forests and Lands
- NH Travel and Tourism
- **NH Office of Energy and Planning**
- **NH Geological Survey**
- **NH Division of Historical Resources**
- **NH Department of Agriculture**
- **NH Department of Health and Human Services**
- **US Fish and Wildlife Services**
- **US Bureau of Land Management**
- **US EPA**
- **Federal Emergency Management Agency (FEMA)**
- **US Department of Agriculture**  
Natural Resources Conservation Services

# Ashuelot River Corridor Management Implementation Plan 2010

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## Potential Funding Sources

(Note: Some funding sources may be available through partnerships with eligible entities.)

Funding Sources	Comments
EPA Environmental Education Grants	Eligible entities include a local education agency, state education or environmental agency, college or university, non-profit organization as described in section 501(c)(3) of the Internal Revenue Code, noncommercial educational broadcasting entity, or tribal education agency.
NH Charitable Foundation	501(c)(3) public charities, public (state or municipal) agencies.
NH Center for Nonprofits	Large database of grant opportunities; need to register as a member to view all opportunities.
New England Grassroots Environmental Fund	Funding available for a wide-range of community-level environmental activities
Connecticut River Joint Commissions - Partnerships Program	Eligible applicants include town boards, committees, or commissions, non-profit tax-exempt organizations, schools (public or private), and regional organizations located in the upper Connecticut River watershed of New Hampshire and Vermont.
NH Department of Environmental Services - Watershed Restoration Grants for Impaired Waters	Designated River Local Advisory Committees can apply; projects must plan or implement measures that prevent, control, or abate NPS pollution.
NH Department of Environmental Services - Watershed Assistance Grants for High Quality Waters	Designated River Local Advisory Committees can apply; projects must maintain the chemical, physical, and biological integrity of High Quality New Hampshire waters.
NH Department of Environmental Services - Water Quality Planning (604B)	Eligible entities include the Regional Planning Commissions and the Connecticut River Joint Commissions. Activities include water quality planning; river corridor and watershed plans.
NH Department of Environmental Services - Local Source Water Protection Grants	Eligible entities include water suppliers, municipalities, regional planning commissions, nonprofit organizations, county conservation districts, state agencies, watershed associations, and educational institutions. Grant funds for the purpose of protecting drinking water sources.
NH Department of Environmental Services - Aquatic Resource Mitigation Program Fund	Eligible applicants include any New Hampshire community wholly or partially located within the Connecticut-Ashuelot River, Vernon Dam to Millers River watershed, county governments, Regional Planning Commissions, County Conservation Districts, watershed/river Associations, state agencies, departments within the University of New Hampshire and other institutions of higher education, community public school districts, and nonprofit organizations are eligible to apply. Activities include wetland plans, easement acquisition, water quality improvement projects, and culvert replacements.
NH Department of Environmental Services - Milfoil and Other Exotic Plant Prevention Grants	For strategies that help prevent new infestations; may involve outreach and education.
NH Department of Environmental Services - Control Grants for Exotic Aquatic Plants	Available to municipalities and lake associations for the control of exotic aquatic plants.

# Ashuelot River Corridor Management Implementation Plan 2010

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<b>Potential Funding Sources</b>	
(Note: Some funding sources may be available through partnerships with eligible entities.)	
<b>Funding Sources</b>	<b>Comments</b>
NH Department of Resources and Economic Development Trails Bureau - Recreational Trails Program	Eligible entities include private and nonprofit organizations, municipalities, state and federal agencies. Provides funding for public trail projects; maintenance and restoration of existing trails, construction of new trails, and easement acquisition.
NH Department of Transportation - Transportation Enhancement Program	Funds available for acquisition of scenic sites, development of scenic highway overlooks and signs, rail trail conversions, wildlife connectivity, and roadway runoff mitigation.
Fish and Game Small Grants Program	Funds available to landowners who own a minimum of 25 acres for habitat restoration or wildlife habitat enhancement.
United States Department of Agriculture Natural Resources Conservation Services - NH Wetlands Reserve Program	Funding to restore and protect wetland on private or public lands either through conservation easements or cost-share restoration agreements.
NH Moose Plate Program	Funds available for preserving/protecting publicly owned historic and archeological sites, researching and managing non-game wildlife species and native plants and educating the public about the species, providing funds to counties, municipalities and non-profits for resource conservation projects, and expanding roadside wildflower and lilac plantings.
Northeast Utilities System - Environmental Community Grant Program	Funds available for eligible projects that protect and/or preserve the environment, or to teach others the value of doing so. Projects tend to fall into (but are not limited to) three categories; protect or preserve the environment, provide environmental education, and improve the environment.
Local Businesses	May be interested in contributing tax-deductible donations to projects in the region.
The Foundation Center	This is a national nonprofit service that connects grant seekers with grant providers. They maintain a database of grants and their providers for their members.
Quabbin to Cardigan Partnership	The Quabbin-to-Cardigan Partnership (Q2C) provides grants of up to \$50,000 awarded to nonprofit land trusts, state agencies that have land conservation as a primary function, and municipalities to fund transaction-related expenses on land conservation projects in the “Quabbin-to-Cardigan” region of western New Hampshire.



### Potential Resources

The following is a list of entities/partners that may serve as resources in implementing the priorities. They can offer a range of services such as speaker/training, community outreach, technical services, volunteer services, publicity, ordinances and regulations, and many others.

- **Local Conservation Commissions**
- **Local Open Space Committees**
- **Local Select Boards**
- **Local Planning/Zoning Boards**
- **Local Public Works Departments**
- **Local Historical Societies**
- **Local Recreation Departments**
- **Local Town Building Inspectors**
- **UNH Cooperative Extension**
- **Cheshire County Conservation District**
- **Sullivan County Conservation District**
- **Quabbin to Cardigan Partnership**
- **Ashuelot Valley Environmental Observatory**
- **Granite State Rural Water Association**
- **Charitable Organizations**
- **Local Land Trusts**
  - Monadnock Conservancy
  - The Nature Conservancy
  - Audubon Society
  - Society for the Protection of NH Forests
  - Harris Center
- **Land Trust Alliance**
- **American Rivers**
- **Trout Unlimited**
- **Friends of the Ashuelot River**
- **Keene Friends of Open Space**
- **Friends of Pisgah**
- **Merrimack Valley Paddlers**
- **Appalachian Mountain Club**
- **American Canoe Association**
- **Connecticut River Joint Commissions**
- **Other Local River Advisory Committees**
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- **Local Girl Scout Troops**
- **Local Businesses**
- **Churches**
- **Youth Groups**
- **Local Colleges**
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  - Franklin Pierce University
  - Antioch New England
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  - Winchester
  - Hinsdale
- **University of NH**
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- **Keene Chamber of Commerce**
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- **NH River Restoration Task Force**
- **NH Land and Community Heritage Investment Program**
- **NH Board of Foresters**
- **NH Local Government Center**
- **NH Fish and Game**
  - Public Water Access Advisory Board
- **NH Department of Environmental Resources**
- **NH Department of Transportation**
  - Transportation Enhancement Funds

**Potential Resources, Continued**

- **NH of Cultural Resources - Division of Historical Resources**
- **NH Department of Resources and Economic Development**
  - NH Division of Parks and Recreation
    - NH Trails Bureau
  - NH Division of Forests and Lands
  - NH Travel and Tourism
- **NH Office of Energy and Planning**
- **NH Geological Survey**
- **NH Division of Historical Resources**
- **NH Department of Agriculture**
- **NH Department of Health and Human Services**
- **US Fish and Wildlife Services**
- **US Bureau of Land Management**
- **US EPA**
- **Federal Emergency Management Agency (FEMA)**
- **US Department of Agriculture**
  - Natural Resources Conservation Service

## Ashuelot River Corridor Management Implementation Plan 2010

### Top 25 Employers By Town

Employer	Employer Size	Partial Address	City	Phone
W S Badger CO	20 - 49	625 Route 10	Gilsum	(603) 357-2958
Pathway Book Svc	10 - 19	4 White Brook Rd	Gilsum	1-800-345-6665
R J Sports	10 - 19	626 Route 10	Gilsum	(603) 352-7217
Wal-Mart	100 - 249	18 Georges Fld	Hinsdale	(603) 256-6723
HCP Packaging	100 - 249	370 Monument Rd	Hinsdale	(603) 256-3141
Continental Cable CO	50 - 99	253 Monument Rd	Hinsdale	(603) 256-3136
GBG Industries	50 - 99	253 Monument Rd	Hinsdale	(603) 256-8000
Clear Solutions Inc	20 - 49	73 Monument Rd	Hinsdale	(603) 256-6644
Dartmouth Hitchcock Keene Clinic	1,000 - 4,999	590 Court St	Keene	603-354-5400
Cheshire Medical Ctr	1,000 - 4,999	580 Court St	Keene	603-354-5400
C & S Wholesale Grocers Inc	1,000 - 4,999	7 Corporate Dr	Keene	603-354-7000
Timken Super Precision Mpb Div	500 - 999	7 Optical Ave	Keene	603-352-0310
National Grange Mutual Ins CO	500 - 999	55 West St	Keene	603-352-4000
Markem-Imaje Corp	500 - 999	150 Congress St	Keene	(603) 352-0375
Peerless Insurance CO	500 - 999	62 Maple Ave	Keene	(603) 352-3221
Home Healthcare Hospice	250 -499	312 Marlboro St	Keene	1-800-541-4145
PC Connection Inc	250 -499	450 Marlboro St	Keene	(603) 355-0000
Kingsbury Corp	250 -499	80 Laurel St	Keene	(603) 352-5212
Hannaford Supermarket & Phrmcy	250 -499	481 West St	Keene	(603) 357-2832
Antioch University New England	100 - 249	40 Avon St	Keene	(603) 357-3122
Wal-Mart	100 - 249	350 Winchester St	Keene	(603) 357-7200
Melanson CO Inc	100 - 249	353 West St	Keene	603-352-4232
Shaw's Supermarket	100 - 249	360 Winchester St	Keene	603-358-6037
Home Depot	100 - 249	22 Ash Brook Rd	Keene	(603) 355-2113
Olive Garden Italian Restaurant	100 - 249	2 Ash Brook Rd	Keene	603-352-5337
Target	100 - 249	46 Ash Brook Rd	Keene	(603) 354-2151
Ocean National Bank	100 - 249	122 West St	Keene	603-352-1600
Keene Center	100 - 249	677 Court St	Keene	(603) 357-3800
Hamshaw Lumber Inc	100 - 249	3 Bradco St	Keene	(603) 352-6506
Keene Sentinel	100 - 249	60 West St	Keene	(603) 352-1234
Findings Inc	100 - 249	160 Water St	Keene	(800) 343-0806
Audio Accessories Inc	20 - 49	25 Mill St	Marlow	603/446-7543
Surry Village Charter School	50 - 99	11 Village Rd	Surry	(603) 357-9700
Innerpac	50 - 99	1 Partition Pl	Surry	(603) 355-4300
Electronic Imaging Materials	20 - 49	20 Forge St	Surry	800) 535-6987
Barrett's Greenhouse & Nursery	250 -499	694 Old Homestead Highway	Swanzy	(603) 352-8665
Toyota Volvo of Keene	100 - 249	591 Monadnock Hwy	Swanzy	(603) 354-5000
Fenton Family Dealerships	100 - 249	591 Monadnock Hwy	Swanzy	(603) 354-5000
First Student Inc	100 - 249	49 Whittemore Farm Rd	Swanzy	(603) 352-2303
Arthur Whitcomb	50 - 99	28 Old Homestead Hwy	Swanzy	(603) 352-0101
Mount Caesar School	50 - 99	585 Old Homestead Hwy	Swanzy	(603) 352-4797
All-Med Inc	50 - 99	5 S Winchester St	Swanzy	(603) 355-4843
Cutler School	50 - 99	31 S Winchester St	Swanzy	(603) 352-3383
SAU # 38	50 - 99	600 Old Homestead Hwy	Swanzy	(603) 352-6955
Plumb Pak Corp	100 - 249	175 Richmond Rd	Winchester	(603) 239-6371
Winchester School	100 - 249	85 Parker St	Winchester	(603) 239-4381
Harborside Healthcare	50 - 99	8 Snow Rd	Winchester	(603) 239-6355
Kulick's Market	50 - 99	30 Warwick Rd # 8	Winchester	(603) 239-4843
Winchester Fire Dept	50 - 99	6 Parker St	Winchester	603) 352-1100

Source: NH Economic and Labor Market Information Bureau, <http://nhetwork.nhes.state.nh.us/nhetwork/default.aspx>