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1	Legends: Type Action: Conserv = Conservation activity Edu = Educational task Reg = Create or Enforce a Regulation activity R & M = Research & Monitor Threat: 1 = Highest 10 = Lowest			Term: Short = < 1 year Long = > 1 year Towns Effected: M = Meredith CH = Center Harbor NH = New Hampton H = Holderness A = Ashland				
2	Rank Goal.Obj.Item Description	Type Action	Threat	Done by WWAC	Done by Others	Term	Town(s) Effected	Status
3	1.1.A Develop and implement a septic system inspection program.	Reg	2		x	Long	All	A Risk Analysis of all Meredith properties within 250' of Lake Waukegan has been completed including a Risk Criteria rating. See item 1.1.D; the same team is working toward an inspection system especially for properties that have no septic system on record.
4	1.1.B Educate homeowners about septic systems use and maintenance.	Edu	3	x		Short	All	Robert Morency, RCAP Solutions, and Angela Labrecque have created a one page Septic System document titled <i>Caring for Lake Waukegan: It starts at home</i> . In August 2008, this Do's & Don'ts document along with a return postcard was mailed to all properties in Meredith within 250 feet from Lake Waukegan who aren't on the Meredith sewer system. Starting in 2/2009 the same mailing list of property owners will be receiving a quarterly newsletter regarding helpful information on septic systems.
5	1.1.C Create a water quality monitoring program to identify failing septic systems along the shorelines.	R&M	4		x	Long	M CH NH	
6	1.1.D Tie replacement of septic systems to the building permit process.	Reg	3		x	Long	All	John Edgar is leading a team who is creating a proposal for this. WWAC received draft on 3/22/07. The plan is to create a Health Ordinance that would require all Meredith Building Permits for properties who use a septic system to have a certified septic system inspection done before issuing the permit.
7	1.1.E Establish a finance program for cases of economic hardship.	Reg	6		x	Long	All	The WWAC confirmed with Brenda Vittner on 3/10/09 that Meredith is continuing to maintain a \$25,000 fund to provide emergency financial assistance to Meredith property owners who require septic system repair or replacement but cannot afford to have the work done. The town would establish a lien on the subject property until the assistance money is repaid.
8	1.2.A Adopt a watershed overlay district which directs development away from ecologically sensitive areas, guides construction and development and prohibits high risk land uses.	Reg	2		x	Long	All	Meredith: Increased minimum lot size to 2 acres in watershed. In 2009, the committee is working on adopting a more restrictive coverage requirement within the Waukegan Watershed Overlay District. Center Harbor: Already 5 acres min. New Hampton: In 2008, passed the requirement for a minimum of 2 acres in the Waukegan Watershed. Holderness: Adopted a "Waukegan Watershed Area" as an overlay for the zoning map.
9	1.2.B Identify and conserve key properties which protect drinking water supplies and sensitive ecological features in the watershed.	Conserv	2	x	x	Long	Meredith CH NH H	Meredith: Feltham property was made a town forest. Center Harbor: Hawkins Pond Wetland Complex & Johnson/Monroe/Perkins Wildlife/Wetland Complex put in "Prime Wetland Status". In 2008, began working toward putting a New Hampton 8.5 acre parcel that has about 1000' of Snake River shorefront in conservation. The Waukegan Shore Owners Association is taking the lead to make this happen.

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10		1.2.C Require erosion controls Best Management Practices through the development review process, including construction inspection and site stabilization.	Reg	2		x	Long	All	For Meredith, temporary and permanent BMPs are required with every site plan and subdivision town wide.
11		1.2.D Adjust the Site Plan Review/Subdivision Review Processes to encourage designs which maintain existing hydrologic processes and functions.	Reg	4		x	Long	All	Developing Meredith town-wide stormwater regulations are currently being worked on. The conservation district will be assisting with the technical drainage calculation requirements for small site development.
12		1.2.E Encourage better site design for residential lot conversion which incorporates BMPs for stormwater management and erosion control. Update the Building Permit process and provide education to promote these changes.	Reg	2		x	Long	All	
13		1.2.F Educate residents and contractors about the sensitivities of shoreline areas and the provisions of the NH Shoreland Protection Act.	Edu	3	x		Short	All	The 2009 NH Lakes Association Demonstration project through the LCC Program will provide education on erosion control and shoreline protection.
14		1.2.G Watershed communities which border the same water body should work cooperatively to protect this resource by employing a single code enforcement officer for purposes of permitting, inspection and compliance.	Reg	5		x	Long	All	
15		1.3.A Implement a comprehensive stormwater management plan in the watershed which prevents potential harmful and destructive effects of stormwater runoff.	Reg	3		x	Long	All	
16		1.3.B Review effectiveness of existing stormwater regulations and practices in the 5 watershed communities and update the regulations as necessary.	Reg	2		x	Long	All	Developing Meredith town-wide stormwater regulations are currently being worked on. The conservation district will be assisting with the technical drainage calculation requirements for small site development.
17		1.3.C Work cooperatively to ensure that stormwater BMPs are incorporated in all land use activities including land use planning, zoning and subdivision/site plan reviews.	Reg	2		x	Long	All	
18		1.3.D Ensure consistent application of the provisions of the Shoreland Protection Act to ensure watershed and lake protection and for ease and consistency of enforcement.	Reg	3		x		All	In 2008, Lakes Region Aerial Photography took high resolution, aerial photos of all the waterbody shorelines in the Waukegan Watershed. This will provide a reference baseline for the status of all the shorelines in Spring 2008 on Lake Waukegan, Lake Winona, Hawkins Pond, Otter Pond, Bear Pond and the Snake River.
19		1.3.E Protect natural areas that are essential for the control of stormwater runoff (see strategy 1.2.B)	Conserv	3		x	Long	All	
20		1.3.F In locations throughout the watershed where stormwater inflows have been identified as transporting volatile organic chemicals, install mechanisms which absorb and/or separate petroleum based products from stormwater runoff.	Reg	2		x	Long	All	PSU/Grant: Identified ~45 inflows. Monitoring 15 inflows in Lake Waukegan. Feb 2009, sent letter to the Meredith Hazard Mitigation Committee suggesting that an Oil Containment Boom be installed in Monkey Pond that would prevent most petroleum contaminants from entering Lake Waukegan.
21		1.3.G Educate homeowners, contractors, business and local officials about stormwater and runoff issues.	Edu	2	x			All	
22		1.3.H Correct existing stormwater problems and restore degraded areas (e.g. eroded stream banks.)	Reg	3		x	Long	All	
23		1.3.I Get technical assistance and possible grant funding to implement these strategies while collaboratively involving planning boards from each of the 5 watershed communities.	Reg	4		x	Long	All	Meredith Town Planner is looking for source water protection grants.

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24		1.4.A Implement a comprehensive and collaborative road maintenance management program in the watershed.	Reg	2		x	Short	All	WWAC requested Meredith DPW to treat Water St & Waukewan St as a low salt area for snow removal/treatment. The request was accepted and implemented. Appropriate signage was also installed.
25		1.4.B Encourage new road designs that limit imperviousness and minimize environmental effects.	Reg	4		x	Long	All	
26		1.4.C Dispose of material from street sweeping, cleaning catch basin sumps and snow collection in an environmentally sound manner.	Reg	4		x	Short	All	January 2009, request Bill Edney obtain this information. Concern is that it is dumped in an area that won't leach into the waterbodies of the Waukewan Watershed. Feb 2009, Bill Edney confirmed that the sweeping collections are being dumped in the Meredith snow dump area with the town's permission.
27		1.4.D Recommend that the State prohibit transport of hazardous material cargoes and petroleum transport trucks through the watershed (residential delivery not included)	Reg	5	x		Short	All	Submitted letter to Meredith Town Management in 12/06. Met with them 1/24/07; attendees have action items. Awaiting Meredith Town Manager to call a follow-up meeting. Dec 2007 - Town of Meredith put up signs restricting weight limit of trucks on Waukewan Street which would include no Hazmat transport trucks. April, 2008 - the Town of Meredith stated it didn't want to pursue this at this time with the NHDOT. January 2009, request the acting Meredith Town Managers reconsider this action; objective is to ban pass through trucking of HazMat materials from using the Winona Road/Waukewan Road bypass. On 2/5/09, Angela Lebreque and Bruce Bond met with NHDES (Paul Susca) to garner support for the effort to get NHDOT to prohibit dangerous or hazardous cargoes on through transport trucking on Waukewan and Winona Roads for protection of Lake Waukewan and safety along this corridor. Subsequent to this meeting, NHDOT requested the WWAC address this request to NHDOT District 3 in Gilford. WWAC obtained support from both New Hampton and Center Harbor for this objective.
28									On 4/20/09, the Meredith Selectmen unanimously approved sending a letter to NHDOT Gilford to open a dialog for the purpose of restricting these watershed secondary roadways for the size or type of thru transport trucking which could present a threat to the Waukewan Watershed. The letter will also propose a meeting with NHDOT Gilford.
29		1.4.E Develop an emergency response spill plan for the watershed which protects Lake Waukewan as a source of public drinking water.	Reg	3		x	Long	All	1/2009 - Hazard Mitigation Committee & Water Dept. have until March 2009 to update the Hazard Mitigation Plan. The Emergency Operations Plan is due later in 2009.
30		1.5.A Adopt an ordinance which requires that new installations for residential heating fuel storage and replacements must have either double-walled tanks or secondary containment, be weather protected and have encapsulated lines.	Reg	3		x	Long	All	
31		1.5.B Ensure local enforcement of state code requirements for oil burning equipment installations and tank replacements (e.g. fill alarms with audible whistle, use of UL approved tanks, protected lines.)	Reg	3		x		All	
32		1.5.C Encourage or where necessary require inspection and testing of residential heating fuel tanks.	R&M	4		x	Long	All	
33		1.5.D With the assistance of local home heating fuel distribution companies, create a database of existing residential fuel tanks which is an inventory of tank age, type, volume, etc.	R&M	3		x	Long	All	

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34		1.5.E Educate homeowners about spill liability, methods of secure storage and spill prevention, how to get tanks inspected, changes in consumption rates, how sump pumps can contaminate water resources, what to do if a leak is found and code requirements.	Edu	5	x		Short	All	Completed document "Home Heating Oil Tanks - A Hidden Threat?". The article was published in the June 2007 Waukewan ShoreOwners Assoc newsletter. It was also submitted to other local newspapers for publication.
35		1.5.F Educate local residential heating fuel distributors about the locations of public water supplies in the watershed and inform them about their susceptibility to spills. Remind companies about spill reporting requirements.	Edu	4				All	
36		1.5.G Encourage fire chiefs in the watershed to collaborate with others to develop education materials.	Edu	5		x		All	
37		1.6.A Educate homeowners and businesses about lawn care and landscaping techniques which minimize impacts on water resources.	Edu	3	x		Short	All	
38		2.1.A Implement a phased requirement prohibiting 2 Stroke carbureted engines on Lake Waukewan.	Reg	4	x	x	Long	All	On hold. Monitoring VOC levels on a monthly basis during the summer on Lake Waukewan. To date, the levels have been below or at the minimum detectable level. See 4.1.C.
39		2.1.B Educate boaters who have inboard motors to use oil absorbing pillows or "bilge snakes" to prevent pollutants from entering the lake.	Edu	3	x		Short	All	Summer 2007 - the WWAC purchased "bilge pillows" and gave one to every I/O boat on Lake Waukewan & Lake Winona with a note on how to use and where to purchase replacement pillows.
40		2.1.C Encourage enforcement of RSA 270-D:2 "General Rules for Vessels Operating on Water"	Reg	4	x	x		State	
41		2.1.D Provide temporary restrooms in appropriate access sites for boating enthusiasts.	Reg	4		x	Short	Meredith	Portapotty at Lake Waukewan Boat Ramp is in place.
42		2.1.E Educate boaters that Lake Waukewan is a public drinking water source, about safe fueling practices, use of MTBE-free gasoline, servicing and cleaning of boats and invasive species prevention.	Edu	3	x			All	This is being done as part of the Lake Host program. MTBE gasoline is no longer available in NH.
43		2.1.F Work with various event/activity sponsors to ensure that events associated with Lake Waukewan limit risks to this public drinking waters source.	Edu	4	x			Meredith	
44		2.1.G Maintain and support the Lake Host program.	R&M	3		x	Done	All	Lake Waukewan Lake Host has been in place for 2006, 2007 & 2008 - Paid Hosts on weekends, volunteers on weekdays. Plan to do the same for 2009.
45		2.2.A Provide permanent restroom facilities at the Meredith Town Beach on Lake Waukewan.	Reg	7		x	Long	Meredith	Complete. Plan & Cost submitted for the 2006 Meredith Budget. Meredith has put this out for bid in 2007. Water Supply to this facility requires a well to be dug increasing the cost to build. April 2008 - intention is to complete this construction by summer 2008. On the selectmen's agenda for 4/28/08. In 2008, the permanent rest rooms were completed.
46		2.2.B Educate swimmers about the importance of Lake Waukewan as a public water supply and about healthy swimming etiquette (e.g. use of restrooms, no diapers allowed in the lake)	Edu	3	x		Short	All	
47		2.3.A Post prohibitions outlined by NH DES Administrative Rule Env-Ws 386.49 at public access points at the Meredith Town Beach, Meredith boat ramp and the boat ramps at Lake Winona and Hawkins Pond in Center Harbor.	Reg	3	x		Short	Meredith	

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48		2.3.B Update NH DES Administrative Rule Env-Ws 386.49 "Protection of the Purity of the Water of Lake Waukewan and its Watershed"	Reg	4		x	Short	State	
49		2.4.A The Meredith Selectmen should write a letter to entities which provide aviation training in the watershed and request that they discontinue use of Lake Waukewan as a flight training area.	Reg	4		x	Short	Meredith	Jeff Moody took this action and requested aviation training entities not use Lake Waukewan.
50		2.4.B Fueling of airplanes and establishment of commercial seaplane bases should be prohibited in the Waukewan Watershed.	Reg	5		x		M CH NH	
51		3.1.A Five facilities classified a "hazardous waste handlers" or Resource Conservation and Recovery Act sites are present in the Watershed. Two of these sites are "unassigned" by NH DES. Request that NH DES assign project managers to the sites.	R&M	4		x	Short	Meredith	Brian Carroll action item.
52		3.1.B Meredith Water Dept to implement BMPs for Commercial and Industrial Businesses.	Reg	2		x	x	Meredith	Brian Carroll action item.
53		3.1.C Determine where the two business' Floor Drains drain to. Develop a spill prevention plan if necessary to keep certain types of spills from entering the floor drain.	Reg	3	x		Short	Meredith	In 2008, Bill Edney followed up on the floor drain issue and confirmed no toxic materials are entering the drains. One of the sites provided a test report certifying no toxic wastes.
54		3.1.D Meredith Water Dept will distribute educational packets to businesses and industries within the watershed providing information about safeguarding water quality and BMPs.	Edu	4		x	Long	Meredith	Brian Carroll action item.
55		3.2.A Meredith should send a letter to the NH DOT Railroad bureau and owners of the railroad requesting that all stock piles of abandoned railroad ties along the railroad tracks be removed.	Reg	4		x	Done	Meredith	Complete. Letter sent in 2006. Reportedly the abandoned railroad ties have been removed.
56		3.3.A Make appropriations for a feasibility study to examine expansion of the Meredith sewer system around the Southwest end of Lake Waukewan.	Reg	4		x	Long	Meredith	Feasibility study to run the sewer line completely around Lake Waukewan is underway. Study completion expected in Spring 2009.
57		3.3.B Coordinate wastewater planning with local agencies and boards to ensure that public sewers in the watershed are used to solve water pollution not to encourage further development.	Reg	4	x	x		All	
58		3.3.C Ensure that the Meredith sewer system is designed to minimize potential groundwater infiltration and pollution.	Reg	3		x	Short	Meredith	Brian Carroll action item. In 2009, Michelle Therrien is working on GIS mapping all the sewer lines in Meredith.
59		3.3.D Refocus the sewer initiative to address Lake Waukewan concerns. Put the sewer main under the RR right-of-way and create a recreational path on top.	Reg	6	x			Meredith	In 2008, based on the study done by KV Partners, a sewer line under the RR tracks is not financially feasible.
60		4.1.A Develop a detailed drainage network map of streams and tributaries that can be used to guide water quality monitoring, road maintenance, stormwater management, development, review and emergency response planning.	Reg	4	x		?	All	Underway by PSU/Grant. Expect report in Spring 2007. In October 2008, Melissa Greenawalt-Yelle & Linda Madorma presented the findings of their study at the Meredith Community Center.
61		4.1.B Establish a long-term, comprehensive point testing protocol of all the tributaries leading to Lake Waukewan and Lake Winona.	R&M	3		x	Short	All	

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62		4.1.C Implement a monitoring program to assess concentrations of gasoline constituents including MtBE in Lake Waukegan from May to September.	R&M	2		x	Long	Meredith	Began in Summer 2005. 2007 - Have monthly reports from June thru Oct; no issues found. 2008 - Have reports for June, July & Sept; no issues found.
63		4.1.D Increase inspections and monitoring of aquatic invasive species.	R&M	3		x		All	Volunteer program trained by the state in place for Lake Waukegan.
64		4.1.E Conduct a buildout analysis for the watershed.	Reg	4		x	Long	All	
65		4.1.F Determine current and future amounts of impervious cover by subwatershed, based upon zoning in the watershed.	R&M	4	x			All	Watershed impervious cover analysis is underway. In October 2008, Melissa Greenawalt-Yelle & Linda Madorma presented the findings of their study at the Meredith Community Center.
66		4.1.G Further research is needed to assess whether or not the drinking water intake in Lake Waukegan should have an isolation zone.	R&M	5	x		Short	Meredith	Conclusion is not to create an isolation zone but instead to measure water quality at the intake of the Meredith Water Treatment Plant.
67		4.1.H Bring together town, county and state officials to clarify questions regarding jurisdiction of activities associated with Lake Waukegan. Investigate issues regarding authority, enforcement and compliance.	Reg	6	x		Short	All	Expect this to be clarified by the Emergency Operations Plan and Water Dept Plan by Summer 2009.
68		5.1.A Continue the Waukegan Watershed Advisory committee in order to help shepherd the implementation of the watershed management plan.	Reg	3	x		Short	Meredith	Mission Statement for on-going WWAC activities approved by Meredith Selectmen. WWAC continues to meet twice a month. Seeking new members.
69		5.2.A Improve awareness of water quality and water resources protection in the watershed.	Edu	3	x		Short	All	The Waukegan Watershed Management Plan has been presented to many groups by Bruce Bond, Randy Eifert & Bonnie Ireland. Some of the groups are: Meredith Selectmen, Center Harbor Selectmen, New Hampton Selectmen, Ashland Selectmen, Meredith Rotary Club, Kiwanis, Waukegan & Winona Shore Owners Associations.
70		New. Create a new section to the Meredith website that would provide educational type of information regarding the protection of the waterbodies in the Waukegan Watershed.	Edu		x				In 2008, some outlining and drafts for some of the topics had been created, but much more work needs to be done. The intent is to work with the Meredith website person to implement.