

Lake Waukegan/Winona Watershed Management Plan: Action Plan Update
MUNICIPAL ORDINANCES, PLANNING, & LAND CONSERVATION

ACTION ITEM	DESCRIPTION	RESPONSIBLE PARTY	FUNDING SOURCE	SCHEDULE	ESTIMATED COST	STATUS (As of June 2016)
WASTEWATER SYSTEMS REGULATIONS						
Septic System Regulations Assessment	1) Review septic system rules for all watershed towns.	LWA, Towns, Consultant	Towns, Grants	Completed	\$1,500	2009 - Review of Town regs by Meredith and in 2013 by LWA as part of Septic System Improvement Initiative
Septic System Permitting	1) Require a permit for the replacement or repair of septic systems to ensure proper installation.	Towns	Towns, Fees	2015-2017	N/A	The Town of Meredith adopted a Health Regulation in 2013 that addresses septic permitting. New Hampton and Center Harbor should consider adopting a similar regulation.
	2) Require upgrade, repair, or replacement of septic systems with building permits.	Towns	Towns, Fees	2015-2025	N/A	
	3) Improve septic system regulations/ordinances to consider more than just number of bedrooms when doing expansions.	LRPC, Towns	Towns, Fees	2015-2025	N/A	
Enforcement	1) Communicate with town departments to enforce occupancy loads and have septic system inventories in Master Plans.	LRPC, Towns, Planning Boards	Towns	2015-2025	N/A	
DEVELOPMENT PLANNING						
Plan Adoption	1) Incorporate watershed plan recommendations into town master plans.	Towns	Towns	2015-2020	N/A	
Conservation Subdivisions	1) Increase incentives for conservation subdivisions in town ordinances.	LRPC, Towns	Towns	2015-2020	\$1,500	Meredith has a Conservation Subdivision Ordinance. Center Harbor has a Cluster Subdivision Ordinance, New Hampton encourages Cluster Development design.
	2) Adopt open space guidelines for conservation subdivisions.	LRPC, Towns	Towns	2015-2020	N/A	
Low Impact Development (LID)	1) Develop new policy to encourage LID for all future development.	LRPC, Towns, BCCD	Towns, Grants	2015-2020	\$1,500	
Setbacks, Buffers & Lot Coverage	1) Improve ordinances to include mandatory setbacks, riparian buffers between development and waterbodies, and maximum lot coverage restrictions.	LRPC, Towns	Towns, Grants	2015-2020	\$1,500	
	2) Base zoning on "maximum % impervious cover allowed" rather than "% green space required."	LRPC, Towns	Towns	2015-2020	N/A	
	3) Determine current and future impervious cover for watershed towns so that communities can make better informed planning decisions.	LRPC, Towns, Consultant	LWA, Towns	2015-2020	\$5,000	
	4) Review and lower limits of impervious cover by zone to less than 10-20% imperviousness.	Towns, Consultant	LWA, Towns	2015-2020	\$1,500	

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Setbacks, Buffers & Lot Coverage	5) Limit amount of tree removal and/or expand ordinance to include logging.	State, LRPC, Land Trusts, Towns, Lake Assns, Landowners	Federal Grants (NRCS, EPA), Private	2015-2020	\$1,500	
Overlay Districts	Adopt a watershed overlay district that directs development away from ecologically-sensitive areas, guides construction and development, and prohibits high risk land uses.	Towns	NHDES, Towns	Completed		Meredith (2006) and New Hampton (2008) adopted a Lake Waukewan Watershed Overlay District. Center Harbor has a 5 ac minimum for rural and agriculture zones. In March 2016, Center Harbor adopted a Water Resources Conservation Overlay District Ordinance, http://www.centerharbornh.org/sites/centerharbornh/files/pages/zoning-chapter-10.pdf
Erosion Control BMPs	1) Require erosion control BMPs through the development review process, including construction inspection and site stabilization. Distinguish between temporary and permanent erosion control methods.	Town Planning Boards, Code Enforcement Officers	Towns, Fees	2015	N/A	This has been completed for Meredith, but should also be completed for the other watershed towns.
	2) Require formal construction agreements that specify sequencing, inspections, and reports, for both temporary and permanent controls.	Town Planning Boards, Code Enforcement Officers	Towns, Fees	2015	N/A	
	3) Integrate Erosion and Sediment Control Regulations with Stormwater Regulations.	Towns	Towns	2015	N/A	
	4) Strengthen Erosion and Sediment Control Regulations by moving it from Site Plan Review and Subdivision Regulations to an Ordinance.	Towns	Towns	2015	N/A	
	5) Review procedures and regulations for maintenance of BMPs and existing vegetation.	LRPC, BCCD, Towns	Towns	Ongoing	N/A	
Stormwater Regulations	1) Implement a comprehensive stormwater management plan in the watershed that prevents potential harmful and destructive effects of stormwater runoff.	LWA, Towns, NHDES, NHDOT	NHDES, Other Grants	2015	N/A	Current update to the Waukewan Watershed Management Plan will quantify pollutant loads and assist the municipalities in identifying measures to reduce loading.
	2) Review effectiveness of existing stormwater regulations and practices in the watershed communities, and update the regulations as necessary.	LRPC, Towns, NHDES, NHDOT	NHDES, Other Grants	Completed	N/A	2013 - LRPC completed a study for Meredith, Laconia, and Gilford. Review should be done for other watershed towns.
	3) Ensure that stormwater BMPs are incorporated in land use planning, zoning, and subdivision/site plan reviews.	Towns, Planning Boards, NHDES	Towns	2015	N/A	

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Stormwater Regulations	4) Map all watershed catch basins, culverts, and stormwater discharge points in the watershed.	LRPC, Towns, Consultant	LWA, Towns	2015-2025	\$5,000	
	5) Clearly define imperviousness or impervious surfaces in documents.	LRPC, Towns	LWA, Towns	2015-2025	N/A	
	6) Consider the use of different stormwater standards for treatment (e.g. more frequent storms vs. retention during 25-50 yr. size storms).	Town Planning Boards	Towns	2015-2017	N/A	
Enforcement	Employ a single code enforcement officer for purposes of permitting, inspection, and compliance for watershed towns. Ensure consistent application of the provisions of the Shoreland Protection Act.	Towns	Towns	Ongoing	N/A	Meredith Code Enforcement Officer coordinates with the other towns in the watershed.
OTHER REGULATIONS						
Heating Fuel Tank Regulations	1) Adopt an ordinance that requires new or replacement installations for residential heating fuel storage have either double-walled tanks or secondary containment, be weather protected if located outdoors, and have encapsulated lines.	Towns, Code Enforcement Officers, Fire Departments, NHDES	Towns	2015-2020	N/A	
	2) 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, etc.).	Code Enforcement Officers, Fire Departments	Towns	2015-2020	N/A	Meredith Fire Chief states this is N/A for residential and cites NFPA 211 as code.
	3) Encourage, or where necessary require, inspection and testing of residential heating fuel tanks.	Oil Industry	Private	2015-2020	N/A	
	4) With the assistance of local home heating fuel distribution companies, create a database of existing residential fuel tanks which include an inventory of tank age, type, volume, etc.	Town Planning Departments, Oil Industry	NHDES	2015-2020	N/A	

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Recreational Regulations	1) Encourage enforcement of RSA 270-D:2 "General Rules for Vessels Operating on Water."	NH Marine Patrol, NHDES, LWA, Towns	N/A	Ongoing	N/A	
	2) Post prohibitions outlined by NHDES Administrative Rule Env-Ws 386.49 at public access points to the lakes.	Town Water Departments	Towns	Ongoing	N/A	
	3) Write a letter to entities that provide aviation training in the watershed and request that they discontinue use of Lake Waukewan as a flight training area. A copy of this letter should be sent to the Seaplane Pilots's Association.	Town Board of Selectmen	N/A	Completed	N/A	Letter sent requesting aviation training entities not use Lake Waukewan. Result?
	4) Prohibit fueling of airplanes and establishment of commercial seaplane bases in the watershed.	Towns	N/A	Ongoing	N/A	
	5) Adopt an ordinance to restrict or prohibit use of fireworks under NH RSA 160-B:10.	Towns	N/A			
Hazardous Waste Regulations	1) Review progress of facilities classified as "hazardous waste handlers" or Resource Conservation and Recovery Act sites (RCRA) in the watershed.	Town Water Departments, NH DES	N/A	Ongoing	N/A	Searchable database on NHDES website should be reviewed every 2 years. http://des.nh.gov/onestop/index.htm
	2) Determine discharge location of floor drains at two businesses in the watershed and develop a spill prevention plan for each.	Meredith Water Department	Meredith Water Department	Completed	N/A	
	3) Send letter to the NHDOT Railroad Bureau and owners of the railroad requesting that all stockpiles of abandoned railroad ties along the railroad right-of-way around Lake Waukewan be removed.	Town of Meredith, NHDOT, Railroad owners	N/A	Completed	N/A	Letter sent in 2006. Reportedly railroad ties have been removed.
GOOD HOUSEKEEPING						
Road Management	1) Implement a comprehensive and collaborative road maintenance management program in the watershed that safeguards public safety, identifies ecologically-sensitive areas, identifies corresponding low salt zones, and uses techniques for minimizing the use of deicing materials.	Towns, NHDES, NHDOT, WWAC, Lake and Homeowner Assns	NHDES, Other Grants	Ongoing	N/A	WWAC requested Meredith DPW treat Water St. and Waukewan St. as a low salt area for snow removal/treatment. Practice has been implemented and appropriate signage installed.
	2) Encourage new road designs that limit imperviousness and minimize negative environmental effects.	Boards of Selectmen, Planning Boards, NHDES, NHDOT	N/A	Ongoing	N/A	In Meredith this is done via road waiver standards with all new road construction projects.

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Materials Management	1) Dispose material from street sweeping, catch-basin sump cleaning, and snow collection in an environmentally-sound manner.	Town Department of Public Works	N/A	Ongoing	N/A	In Meredith the snow dump is only for snow. Street sweeping material is not considered hazardous and is disposed of as solid waste. Catch basin material is deposited in a DES approved retention basin.
	2) Recommend that the state prohibit transport of hazardous material cargoes and petroleum transport trucks through the watershed, except on major State roads. Local residential delivery is not included.	Towns, LRPC, NHDOT	N/A	Completed	N/A	This action has been tabled by the WWAC. Roads of concern were monitored in 2013 to determine the actual threat. No hazardous material carrying vehicles were observed traveling the road.
	3) Develop an Emergency Response Spill Plan for the watershed that protects Lake Waukewan as a source of public drinking water.	Town Water Departments, Fire Departments	N/A	Updated every 5 yrs.	N/A	Local Emergency Operations Plan addresses this action item.
BMP Maintenance	1) Integrate maintenance agreements into structural BMPs to ensure continued maintenance and proper functioning.	Town Department of Public Works, LWA, Landowners	Towns, Private, Grants	2015-2025	N/A	
LAND CONSERVATION						
Natural Resource Protection	1) Identify and conserve key properties that protect drinking water supplies and sensitive ecological features in the watershed. Use tools such as buildout analyses, GIS, and natural resource inventories to target critical land for protection.	Conservation Commissions, LRCT, SPNHF, BCCD	NHDES, LRCT, Private, Donations	Ongoing		Individual Conservation Commissions, land trusts continue to work to conserve important parcels of land. SPNHF released report 'Natural Resources of High Conservation Value in the City of Laconia and Neighboring Communities' in December 2013. Center Harbor Conservation Commission contributed funds in 2015/2016 toward purchase of conservation easement for approximately 236 acres of the Fogg Hill property obtained by LRCT.
	2) Protect natural areas that are essential for the control of stormwater runoff.	Conservation Commissions, LRCT, BCCD	NHDES, LRCT, Private, Donations	Ongoing	TBD	Center Harbor and Meredith have Wetlands Overlay Districts. New Hampton, Ashland, and Holderness do not have Wetland Ordinances
Funding	1) Add extra tax to town property bills that goes into a lake protection fund. Develop a subcommittee that determines how the funding is spent.	Towns	Towns, Fees	2015-2025	N/A	
	2) Solicit residents for individual donations.	Lake & Homeowner Assns, LRCT, Conservation Commissions	Private, Donations	2015-2025	N/A	