

Lake Waukegan/Winona Watershed Management Plan: Action Plan Update
EDUCATION & OUTREACH

ACTION ITEM	DESCRIPTION	RESPONSIBLE PARTY	FUNDING SOURCE	SCHEDULE	ESTIMATED COST	STATUS (As of June 2016)
BMPs						
Plan Promotion	1) Promote the plan throughout the watershed.	WWAC, Lake and Homeowner Assns, LWA, LRPC, BCCD, Towns, Landowners	Towns, Private, Volunteer	Ongoing	N/A	
BMP Demonstrations	1) Setup demonstration projects at high-visibility residential BMPs throughout the watershed.	Lake & Homeowner Assns, BCCD, Towns, Landowners	NHDES, Other Grants	2015-2025	\$10,000	2011- UNH Cooperative Extension held Healthy Waterfront Property Workshop for the Lakes Region Board of Realtors. BCCD held 'Landscaping by Water's Edge' in Moultonborough in 2012, Meredith hosted a Shoreland Protection Workshop in 2014
	2) Locate willing volunteers to "demonstrate" what an ideal shoreline buffer looks like and how it functions.	Lake & Homeowner Assns, BCCD, Towns, Landowners	NHDES, Other Grants, Private, Volunteers	2015-2025	N/A	
	3) Continue to host workshops on vegetative buffers and landscaping by the water's edge for local residents.	Lake & Homeowner Assns, BCCD, Towns, Landowners	NHDES, Other Grants, Donations	Ongoing	\$2,000	
BMP Educational Materials	1) Develop and send letters to residents in the spring showing before/after photos of implemented BMPs. 2) Continue to distribute educational packets to businesses and industries in the watershed about safeguarding water quality through BMP implementation.	Lake & Homeowner Assns Town Water Departments	Donations, Fundraisers Town Water Departments	2015-2025 2015-2025	\$1,000 N/A	
Self-Assessment Tool - Stormwater Footprint calculator - 'What's Your P?'	Encourage homeowners to calculate their stormwater footprint and determine the positive impact from BMP implementation	LWA, BCCD, Towns, WWAC, NHDES	N/A	Ongoing		Online Stormwater Footprint Calculator available on the Winnepesaukee Gateway at http://winnepesaukeegateway.org/resources/phosphorus-calculator/
Door-to-Door BMP Education	Enlist volunteers to go door-to-door to inform neighbors about erosion, BMPs, and programs that can help.	Lake & Homeowner Assns	Volunteers	2015-2017	N/A	
NPS Pollution						
Educational Signage	1) Install educational signs at select locations in the watershed, such as "Scoop the Poop!"	Towns, Lake & Homeowner Assns	Grants, Fundraisers	2015-2017	\$250	
P-Based Products	1) Educate residents that urine and some household products contain phosphorus that can be harmful in excessive amounts to the lake's ecology.	Lake & Homeowner Assns, WWAC, BCCD, Towns	Volunteers	Ongoing	N/A	

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Spill Prevention & Awareness	1) 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 permit and code requirements.	Towns, NHDES	NH Small Outreach and Education Grants for Nonpoint Source Pollution	2015-2025	N/A	Home Heating Oil Tanks - A Hidden Threat?' document created and published in the June 2007 Waukegan ShoreOwners Association newsletter. Article also submitted to other local newspapers.
	2) 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.	Town Planning Departments	Towns	Ongoing	N/A	
Community Involvement						
Winnepesaukee Gateway	Keep the Winnepesaukee Gateway website current, and include up-to-date information about watershed efforts, ongoing activities, and interactive water quality data.	LWA, LRPC	Donations, Fundraisers	Ongoing	\$5,000	Map Atlas, 'What's Your P?' stormwater footprint calculator, water quality data map feature are new tools, resources added to the Gateway since 2010.
Publicity	Publicize events and lake quality updates through local newspapers and newsletters.	WWAC, Towns, Lake and Homeowner Assns	Donations, Fundraisers	2015-2025	\$500	
Educational Kiosk	Maintain kiosk at Waukegan boat ramp with educational posters/signs conveying issues related to the boat launch, no wake zone, cyanobacteria at swimming areas, etc.	WWAC, Towns, Lake and Homeowner Assns	Donations, Fundraisers	2015-2016	\$1,500	
Donations	Build a donation box, and encourage landowners to donate to watershed restoration efforts.	WWAC, Lake and Homeowner Assns	Donations, Fundraisers	2015	\$100	
Discovery Cruises	Organize an annual discovery cruise/paddle on the lake.	Lake & Homeowner Assns	Volunteers, Grants	2015-2025	\$250	
Roads						
Road Maintenance BMPs	1) Educate town officials, road maintenance personnel, and contractors through roadway BMP outreach workshops.	BCCD, Towns	Grants, Towns	2015-2025	\$1,000	
	2) Salt Reduction: Require Green SnoPro certification for DPWs, and commercial snow removal contractors	Towns, Homeowner & Lake Assns	NHDES, UNH, Contractors	2015-2025	N/A	
Road Associations	1) Consider forming private road associations in key neighborhoods or heavily-used roads for better management by local stakeholders.	Lake and Homeowner Assns	Volunteers	2015-2025	N/A	
	2) Host a Gravel Roads workshop for road associations every two years.	BCCD, Towns	Grants	2015-2025	\$1,000	
Aquatic Invasives						

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Lake Host/Boat Launch Brochure	Continue the Lake Host program and distribute information about inspection of boats before and after launching.	NH LAKES, Windy Waters Conservancy, WWAC, lake & homeowner assns	Grants, Donations	Ongoing	\$500	Lake Waukewan has an active lake host program
Weed Watchers Program	Continue the Weed Watchers Program on Lake Waukewan and Winona to prevent milfoil and other invasive species from becoming established. Hold annual trainings for identification of native vs. invasive species.	Local lake associations, NHDES	Volunteers	Ongoing	N/A	
Recreational Activities						
	1) Continue to educate boaters who have inboard motors to use oil absorbing pillows or “bilge socks” to prevent pollutants from entering the lake.	WWAC, Towns, Lake & Homeowner Assns	In-kind, Grants	Ongoing	N/A	In 2007, the Waukewan Watershed Advisory Committee gave out free bilge pillows to every I/O boat on Lake Waukewan and Winona with a note on how to use and where to purchase replacements. Consider doing this every few years.
Recreational Boating	2) Continue to educate boaters (residents and visitors) that Lake Waukewan is a public drinking water source, about safe fueling practices, the availability of MtBE-free gasoline, servicing and cleaning of boats, and invasive species prevention.	Towns, NH LAKES, WWAC, Lake Host Program, Lake and Homeowner Assns	NHDES, Other Grants	Ongoing	N/A	
	3) 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 lake).	Towns	NHDES, Other Grants	Ongoing	N/A	In 2014 WWAC commissioned a mural on retaining wall at town beach to raise awareness of protecting lake quality
	4) Provide permanent restroom facilities at the Meredith Town Beach on Lake Waukewan.	Meredith	Town of Meredith	Complete	N/A	Permanent rest rooms completed in 2008
	5) Continue to provide temporary restrooms in appropriate access sites for boating enthusiasts. Consider developing a long-term funding source for this action item.	Towns	General Appropriations	Ongoing	N/A	Port A Potty placed at Lake Waukewan boat ramp. Funding provided by Town of Meredith for 2010 and 2011.
Fireworks Research & Education	1) Investigate the effects of fireworks on lake water quality, and distribute information via website, or develop an informational brochure on results.	Towns, Local lake associations, NHDES, UNH	Grants	2015-2018	\$500	
Septic Systems						

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Septic System Maintenance Awareness	1) Distribute educational pamphlets on septic system function and maintenance in tax bills.	WWAC, Homeowner Assns, Lake Assns, Towns	NHDES, Towns, Private, Volunteer	2015-2025	\$1,000	Meredith created a one page "Caring for Lake Waukewan: It Starts at Home" document. Mailed to all Meredith properties located within 250 ft. of Lake Waukewan in 2008. Reference material can be found http://www.winnepesaukee.org/category/programs-2/lakeside-learning/
	2) Continue to host Septic Sense Seminars to address link between septic system maintenance and water quality.	LWA, WWAC, Homeowner Assns, Lake Assns, Towns	Granite State Designers & Installers Assn (GSDIA), Towns, Volunteer	2015-2025	\$250/yr	LWA and the town of Meredith hosted a Septic Sense Seminar in 2012.
Targeted Septic Outreach	1) Continue to focus outreach on neighborhoods with properties that have no septic systems on town record.	WWAC, Homeowner Assns, Lake Assns, Towns	Grants, Volunteers	2015-2017	\$1,000	Meredith's outreach has been targeted at properties located within 250' of the lake. Health Regulation adopted in 2013 targets properties located within 250' of Lake Waukewan, which have no record of operational approval on file.
	2) Focus septic system maintenance education at campgrounds.	WWAC, Homeowner Assns, Lake Assns, Towns	Volunteers	2015-2017	\$500	
	3) Conduct door-to-door septic education to follow-up on septic survey.	WWAC, Homeowner Assns, Lake Assns, Towns, Landowners	Volunteers	2015-2017	N/A	
Septic Provider List	1) Create and distribute a list of septic service providers (create magnets, etc.).	WWAC, Homeowner Assns, Lake Assns, Towns, Landowners	Volunteers, Fundraisers	2015-2017	\$500	
Development/Landscaping						
Landscaping	1) Continue to educate homeowners and businesses about lawn care and landscaping techniques that minimize impacts on water resources (e.g. water conservation, native plant species, low maintenance grasses, and low-phosphorus lawn and garden fertilizers).	Towns, Local lake assns, BCCD, WWAC, NHDES	NH DES Small Outreach and education Grants for Nonpoint Source Pollution	2015-2020	\$500	2011- UNH CE held Healthy Waterfront Property Workshop for the Lakes Region Board of Realtors in Meredith. 2012 BCCD held 'Landscaping by Water's Edge' 2014- Meredith hosted a Shoreland Protection Workshop
Fertilizer Use	1) Continue to promote use of phosphorus-free fertilizers or no fertilizers, such as "Don't P in the Lake" campaign	LWA, NH LAKES, WWAC, Lake & Homeowner Assns, BCCD, Towns, Landowners	Private, Volunteer	Ongoing	\$500	The WWAC developed the 'Don't P in the Lake' campaign in 2009/2010. Meredith town fields and lawns converted to low/no phosphorus and no pesticides. Education/outreach was performed by BOS, Meredith Rotary, Kiwanis

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Workshops	1) Hold informational workshops for new landowners and developers on local ordinances and watershed goals.	Conservation Commissions, NHDES, Towns, LWA, LRPC, BCCD	NHDES, Towns, Fundraisers	2015-2025	\$250/yr	
	2) Hold educational workshops on conservation easements in the region. Reach out to large landowners to discuss conservation options.	Conservation Commissions, Lakes Region Conservation Trust, SPNHF	NHDES, Towns, Fundraisers, Grants	2015-2025	\$250/yr	
Training	1) Require State-sponsored training for code enforcement officers and ZBAs in watershed towns.	Towns	Towns	2015-2025	\$5,000	
	2) Require contractors to have adequate training in the installation and maintenance of Low Impact Development (LID) and BMPs for all permit work.	Towns	Contractors	2015-2025	N/A	
	3) Require Green SnoPro certification for DPWs, and commercial snow removal contractors	Towns, Homeowner & Lake Assns	NHDES, UNH, Contractors	2015-2025	N/A	http://t2.unh.edu/green-snowpro-training-and-certification