

Land Maintenance by the Water's Edge:



Lessons Learned in Meredith, NH

Presented by:
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Town of Meredith, NH

➤ Population:

- 5,943 (2000 census)

➤ Area:

- 54.1 square miles
 - Land: 40.2 square miles
 - Water: 13.9 square miles
- 5,943 (2000 census)

➤ Islands:

- 45 on Winnepesaukee

➤ Miles of shoreline:

- Privately-owned = 40 miles approx.
- Town-owned = 1,600 feet approx.



Town of Meredith, NH

- **Highway system in Meredith**
 - 147.24 miles

- **Town roads: Class V – 93.9 miles**
 - Paved: 61 miles
 - Gravel: 32 miles

- **State roads**
 - Interstate: 1.24 miles
 - Trunk lines: 7.72 miles
 - Class 2: 19.86 miles

- **Private roads: 20.9 miles**

- **Class VI roads: 4.4 miles**



Town of Meredith, NH

- **Town parks = 8**
- **Town beaches = 2**
- **Town docks = 3 facilities**
 - Town Docks
 - Cattle Landing
 - Lovejoy Landing
- **Town boat ramps = 3 facilities**
- **Municipal Water**
 - 1 million gallons per day
 - 2 pump stations
 - 18 miles
- **Sewer: Winnepesaukee sewer basin (in Franklin)**
 - 5 lift stations and 14 miles



Meredith Department of Public Works

- **Buildings & Grounds Division: Budget \$314,000**
 - Is in charge of issuing facility use permits for the use of town properties as well as being responsible for the regular maintenance, repairs and regular trash pickup for these facilities.

- **Cemetery Division**
 - 89 cemeteries; maintain 9 regularly

- **Highway Division: Budget \$2,352,000**
 - Responsible for road maintenance, drainage, brush cutting, road reconstruction, grading and ditching, catch basins, sweeping, sidewalk maintenance, plowing and sanding, road dust-proofing, culvert pipe installation and road and public safety signage.

- **Solid Waste Division**
 - Operates a complete recycling center and transfer station for residents of the towns of Meredith and Center Harbor.
 - 2,500 tons MSW, 1100 tons C&D
 - Revenues from recycling = \$250,000/year
Center Harbor allocations \$140,000/yr

Town of Meredith, NH

- **The two biggest threats to New Hampshire's lakes and shorelands are:**
 - **Stormwater runoff: polluted water flowing off the developed landscape (roads, parking lots, rooftops) into wetlands, lakes, ponds, rivers and streams**
 - **Quality issues**
 - **Flooding Issues**
 - **Invasive exotic species: plants and animals that evolved naturally in another part of the world and then were brought to this area but didn't bring their predators along**

- **Meredith is not immune to these problems and neither is your community.**

Town of Meredith, NH

- **Stormwater problems: flooding**
 - **Flood of 2008**



Town of Meredith, NH

- Stormwater problems: flooding
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Town of Meredith, NH

- Stormwater problems: flooding
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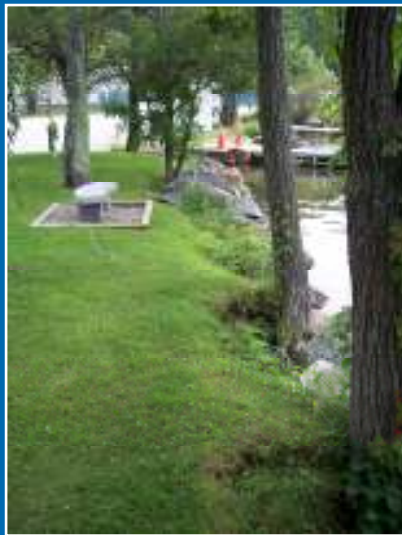
Town of Meredith, NH

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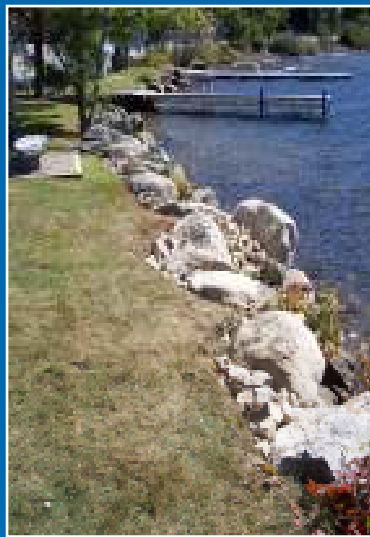


Town of Meredith, NH

- **Stormwater problems: pollutants**
 - **Shoreline erosion at Lake Waukewan**



Before: Shoreline undercutting and slumping and dead trees



Solution: DES Minimum Impact Expedited Wetlands Permit for retaining wall chinking.



Solution: NH LAKES Lake Conservation Corps Program planted vegetated buffer.

Town of Meredith, NH

- **Invasive exotic species problems and solutions**
 - **In the lake: variable milfoil**
 - **Solutions: herbicide treatment, implementation of NH LAKES Lake Host Program at town launches**



Town of Meredith, NH

- Invasive exotic species problems and solutions
 - On the landscape: Japanese knotweed



Town of Meredith, NH

- **Continuing challenges...**
 - **Geese problem at Hesky Park**
 - **Shoreline erosion at Hesky Park**
 - **Stormwater runoff into Monkey Pond and Lake Waukewan (town drinking water supply)**
 - **State permitting processes**



Questions?

Suggestions?



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