

**Wakefield Municipal
Stormwater
Management Program (SWMP)**

A program developed in accordance with the Environmental Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) Stormwater Phase II Regulations, and Massachusetts Department of Environmental Protection (DEP) requirements.

The intent of Wakefield's SWMP is to the "maximum extent practicable", prevent harmful pollutants from entering receiving water bodies through municipal separate storm sewer systems (MS4s).

Best Management Practices (BMPs) to be implemented during the program:

1. Public Education & Outreach
2. Public Participation / Involvement
3. Illicit Discharge Detection & Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention/Good House-keeping for Municipal Operations



Harmful Pollutants can enter receiving water bodies when we are careless.

Remember...

- *What we do on land affects the quality of the water we drink and use in so many ways..*
- *Many small sources of pollution add up to cause big water quality problems.*
- *Natural things such as soil, leaves, grass clippings and pet waste can cause water pollution..*
- *Waste dumped into storm sewers goes into lakes, streams and rivers without treatment.*
- *Automobiles and other vehicles cause water pollution as well as air pollution*

Everyone can make a difference!



National Pollutant Discharge Elimination System
(NPDES)
Stormwater Phase II Permit

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Wakefield, MA 01880

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**Keep Wakefield's
Water Clean!**

**What Wakefield can
do to ensure our water
bodies are clean for
generations to come...**



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Wakefield, MA 01880
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Keep Wakefield's Ponds, Rivers & Brooks Clean!

Stormwater runoff occurs when rain and melting snow flow over ground that is unable to naturally absorb the water. Surfaces like driveways, sidewalks and streets prevent absorption of the stormwater creating runoff that often carries debris, pollutants and dirt



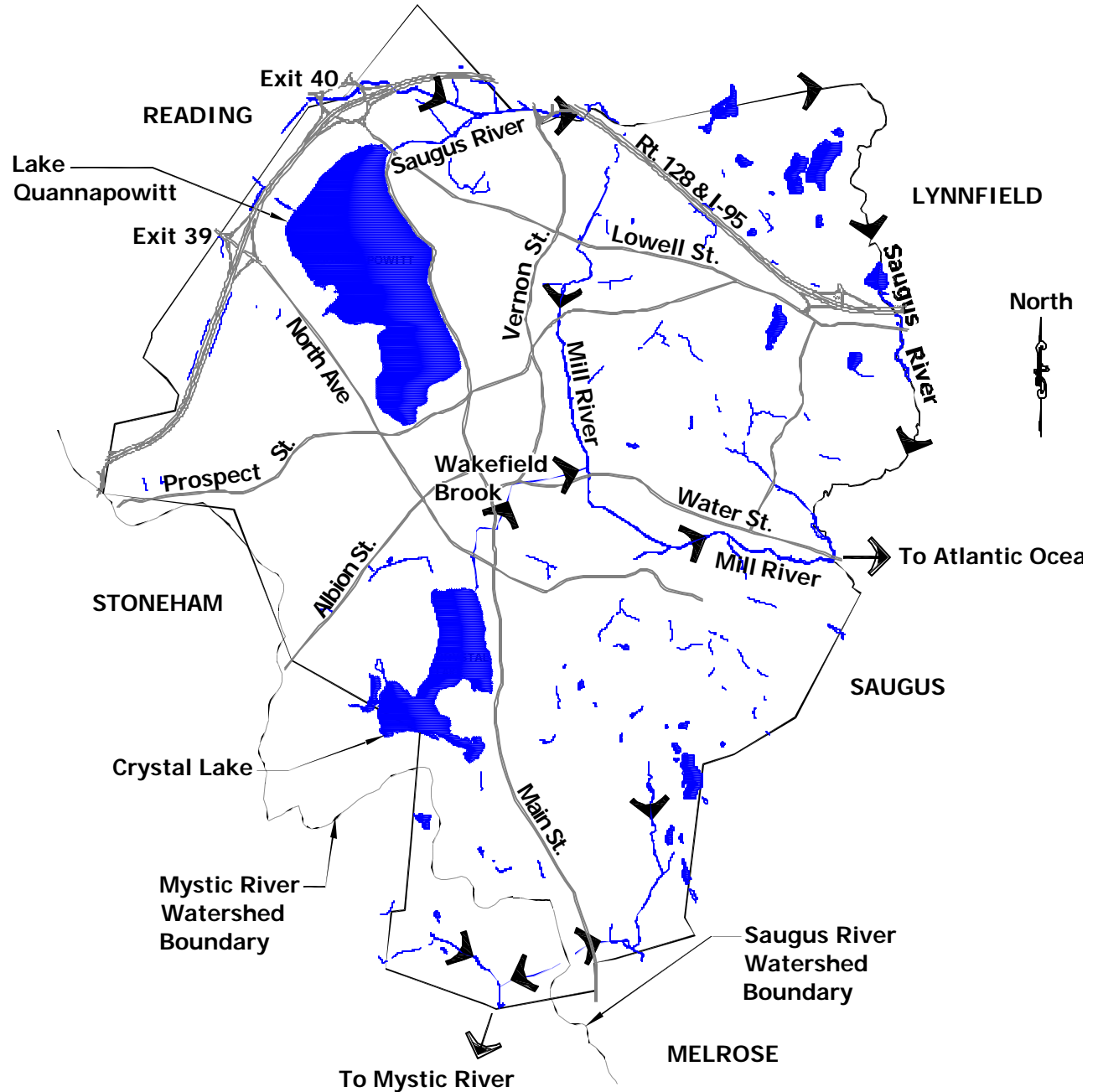
Rain falls on surfaces that do not absorb, and then carries the pollutants to our lakes and rivers.

into a storm sewer system, wetlands and rivers. Pollution from this runoff can have many adverse effects on plants, fish, animals and people.

Residents and business can help by recycling and disposing of household and commercial products that contain chemicals such as insecticides, pesticides, paints, solvents, and used motor oil.

A few interesting stormwater facts about Wakefield:

- Annual rainfall depth: 44 inches (3 2/3 feet).
- Annual rainfall volume: 5.73 trillion gallons.
- Annual Runoff/Groundwater to Waterways/Waterbodies: Approx. 3.5 trillion gallons.
- Crystal Lake & Lake Quannapowitt, Both Great Ponds.
- Main Waterways: Saugus River, Mill River & Wakefield Brook.
- North Shore Coastal Watershed (Majority of Town) & Mystic River Watershed (Part of Greenwood).
- Over 3,000 Catch Basins & 1,000 Manholes.



Wakefield's Significant Surface Waters