

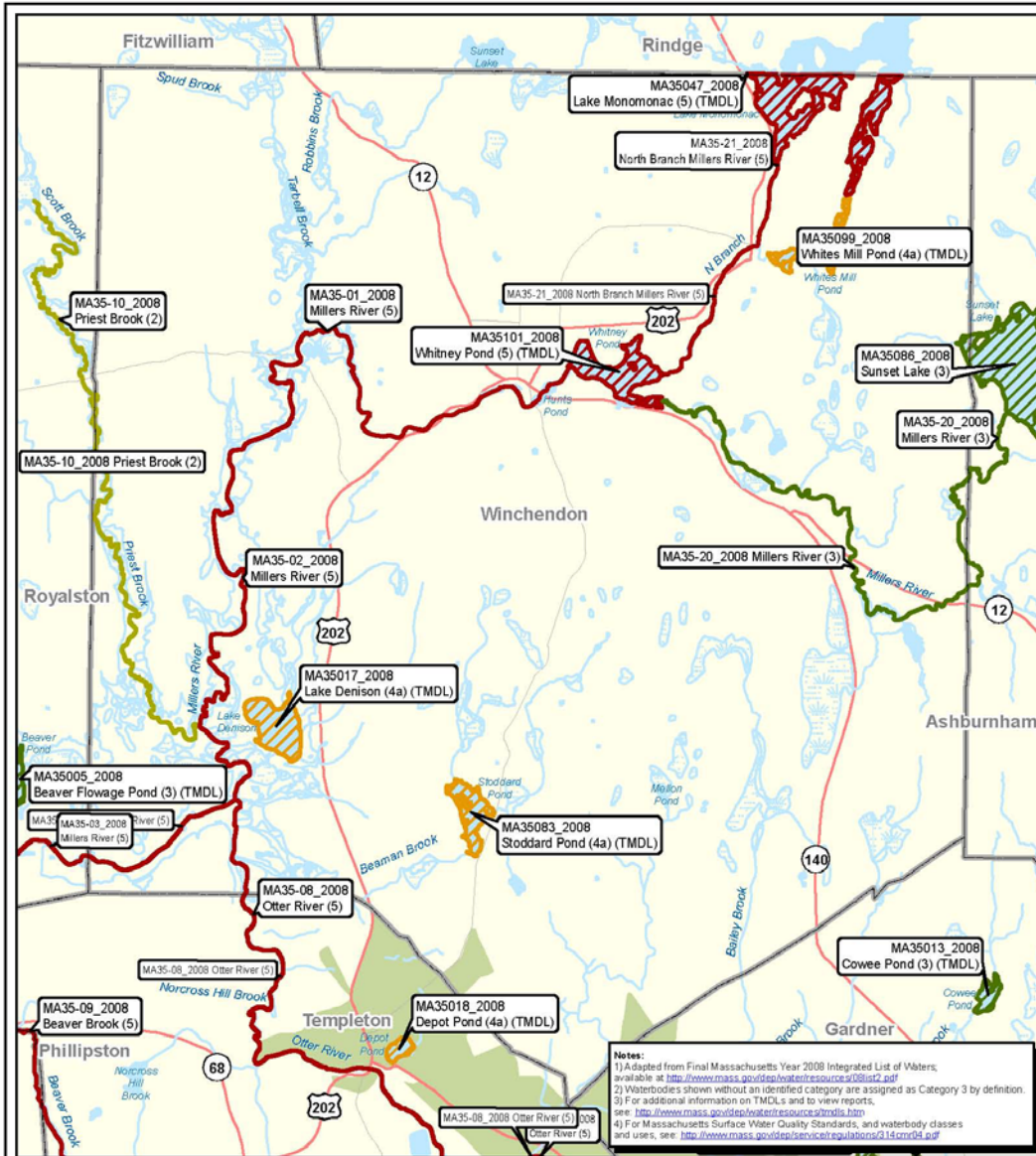
School Facilities and the MS4 Permit

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MassBuys Coonference April 27, 2017

Why an MS4 permit . . .

- Environmental reasons
 - Stormwater a key pollutant
 - “swimmable and fishable”
- Municipal Stormwater has been focus for years
 - US major cities regulated since the 1990s
 - First MS4 permit in Massachusetts in 2003
 - Successor permit issued in 2016 to take effect July 1, 2017
- Required by the Clean Water Act



Waterbody Assessment and TMDL Status Winchendon, MA



Map produced by EPA Region I GIS Center
Map Tracker ID 6676, February 25, 2010
Data Sources: TeleAtlas, Census Bureau, USGS, MassDEP

<p>Waterbody Label State ID, Waterbody Name (Category) (TMDLs) approved for this waterbody</p>	<p>Assessment of Waterbody Segment Category 2: Attaining some uses, other uses not assessed Category 3: Insufficient information to make assessment for any use.</p>	<p>Category 4a: TMDL is completed and approved for one or more pollutants Category 4c: Impairment not caused by a pollutant. Category 5: Impaired on the stream for one or more uses and requiring a TMDL.</p>	<p>Waterbodies Swamp/Marsh MS4 Urbanized Areas (2000 Census) Municipal Boundaries</p>
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See companion table for a listing of pollutants, non-pollutants, and TMDLs for each waterbody.

Notes:
1) Adapted from Final Massachusetts Year 2008 Integrated List of Waters, available at <http://www.mass.gov/dep/water/resources/08ist2.pdf>
2) Waterbodies shown without an identified category are assigned as Category 3 by definition.
3) For additional information on TMDLs and to view reports, see: <http://www.mass.gov/dep/water/resources/tmdls.htm>
4) For Massachusetts Surface Water Quality Standards, and waterbody classes and uses, see: <http://www.mass.gov/dep/services/regulations/3.14/cr08a.pdf>

MS4 Permit Implementation

Major Deadlines

- Effective date – July 1, 2017
- Application for coverage (NOI) due – Sept. 29, 2017
- Stormwater Management Plan due– June 30, 2018
- IDDE Plan due– December 31, 2018
- Changes to local bylaws due – June 30, 2019

Massachusetts MS4 Permit

Six minimum control measures

- Public education
- Public involvement
- Illicit discharge detection & elimination
- Construction site runoff
- Post-construction stormwater management
- Good housekeeping/pollution prevention

Water-quality based requirements

- Impaired receiving waters
 - Nitrogen or phosphorus
 - Metals
 - Solids
 - Bacteria or pathogens
 - Chloride
 - Oil and grease
- Adopted TMDLs

MS4: It's Not Just DPW Anymore

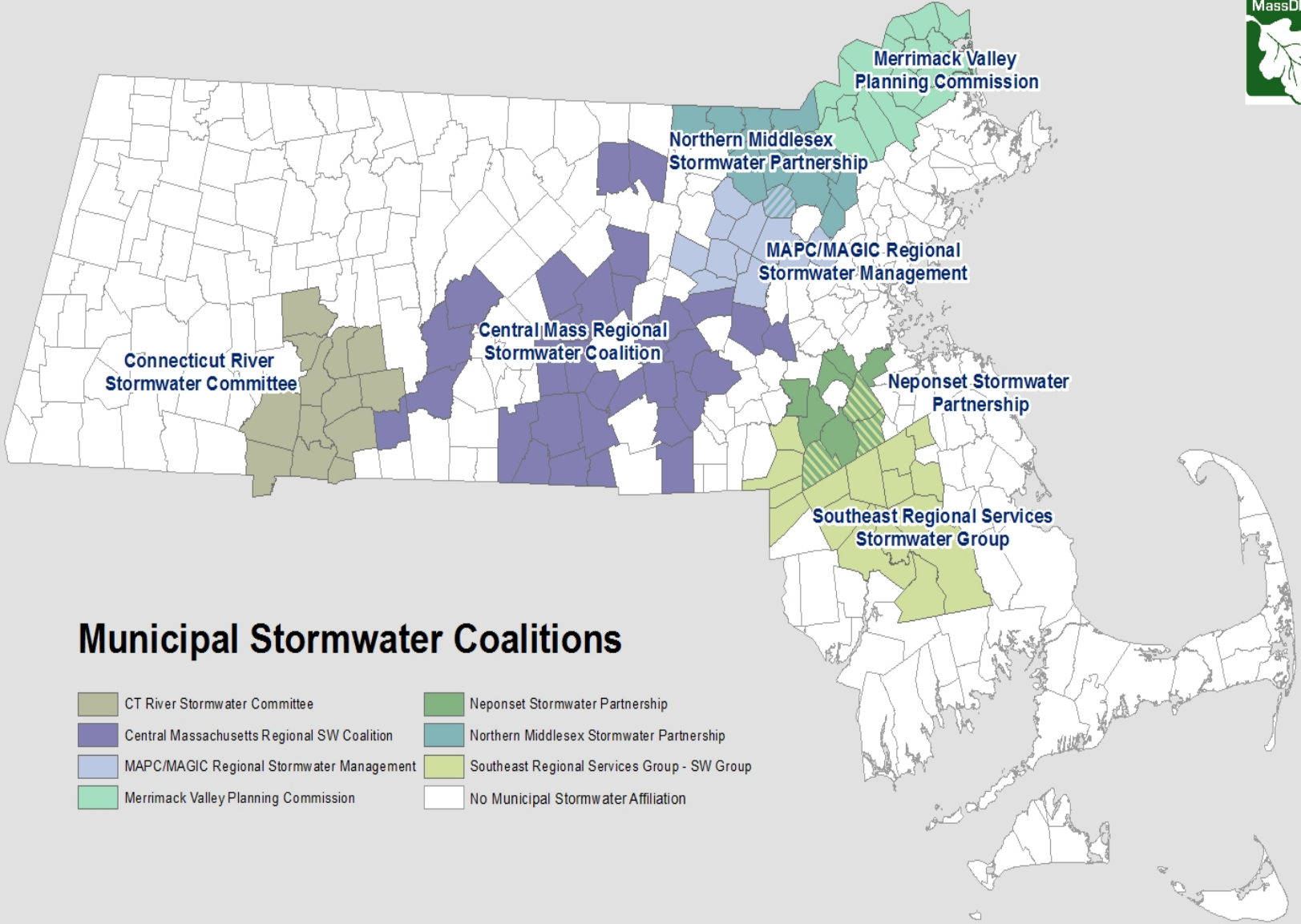
- Planning Board . . . and ZBA and Con Comm?
 - new fed'l stormwater rules
 - evaluation of local parking and street design
- Schools (and other Town buildings)
 - O&M procedures
 - evaluate use, storage disposal of possible pollutants
 - waste management and sweeping procedures
- Parks and Recreation
 - O&M for landscaping, lawn maintenance
 - Erosion control; setbacks from streams and ponds
- Maintenance Garages, DPW yards, transfer stations
 - “SWPPP” – pollution prevention plan for each facility/location

Issues for Schools

- TOWN is the permittee, not the school
 - Schools – like Parks - have a role as part of the Town
- Jurisdiction determined by the Town . . .
 - In the “urbanized area”?
 - Town-owned or –operated?
 - Regional school: where the building is located
- Budgeting for MS4 work
 - Depends on relationship between Town and school
 - As with maintenance, could be Town or school line item
 - Major work: SWPPP for maintenance garages and the like

EPA Cost Estimator

- Hypothetical Rural Town
 - Annual Costs - \$40k to \$90k
 - 5000 population 25 outfalls 250 catch basins
- Costs will vary with
 - Size of “urbanized area”
 - Complexity of stormwater system
 - Current stormwater effort
- www3.epa.gov/region1/npdes/stormwater/MS4_MA.html



Connecticut River Stormwater Committee

Central Mass Regional Stormwater Coalition

Northern Middlesex Stormwater Partnership

MAPC/MAGIC Regional Stormwater Management

Merrimack Valley Planning Commission

Neponset Stormwater Partnership

Southeast Regional Services Stormwater Group

DEP Stormwater Information

- Stormwater Coordinator
 - Frederick.Civian@state.ma.us 617-292-5821
- Stormwater Public Education materials
 - <https://goo.gl/XwdcVF>
- Link to the MS4 Permit
 - www3.epa.gov/region1/npdes/stormwater/MS4_MA.html