

2014 Draft Massachusetts MS4 Permit

Newton Tedder
EPA New England

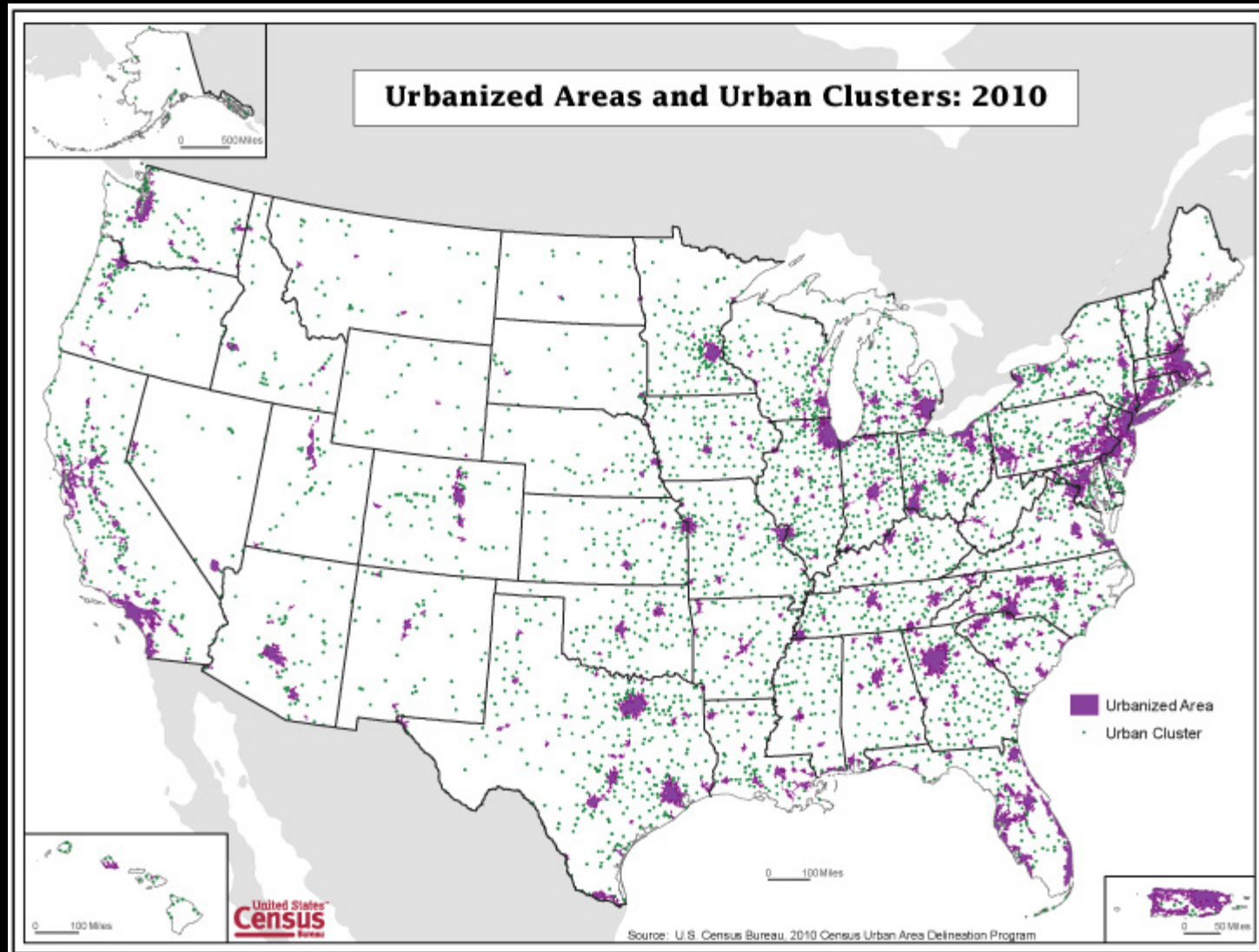
Regulatory History

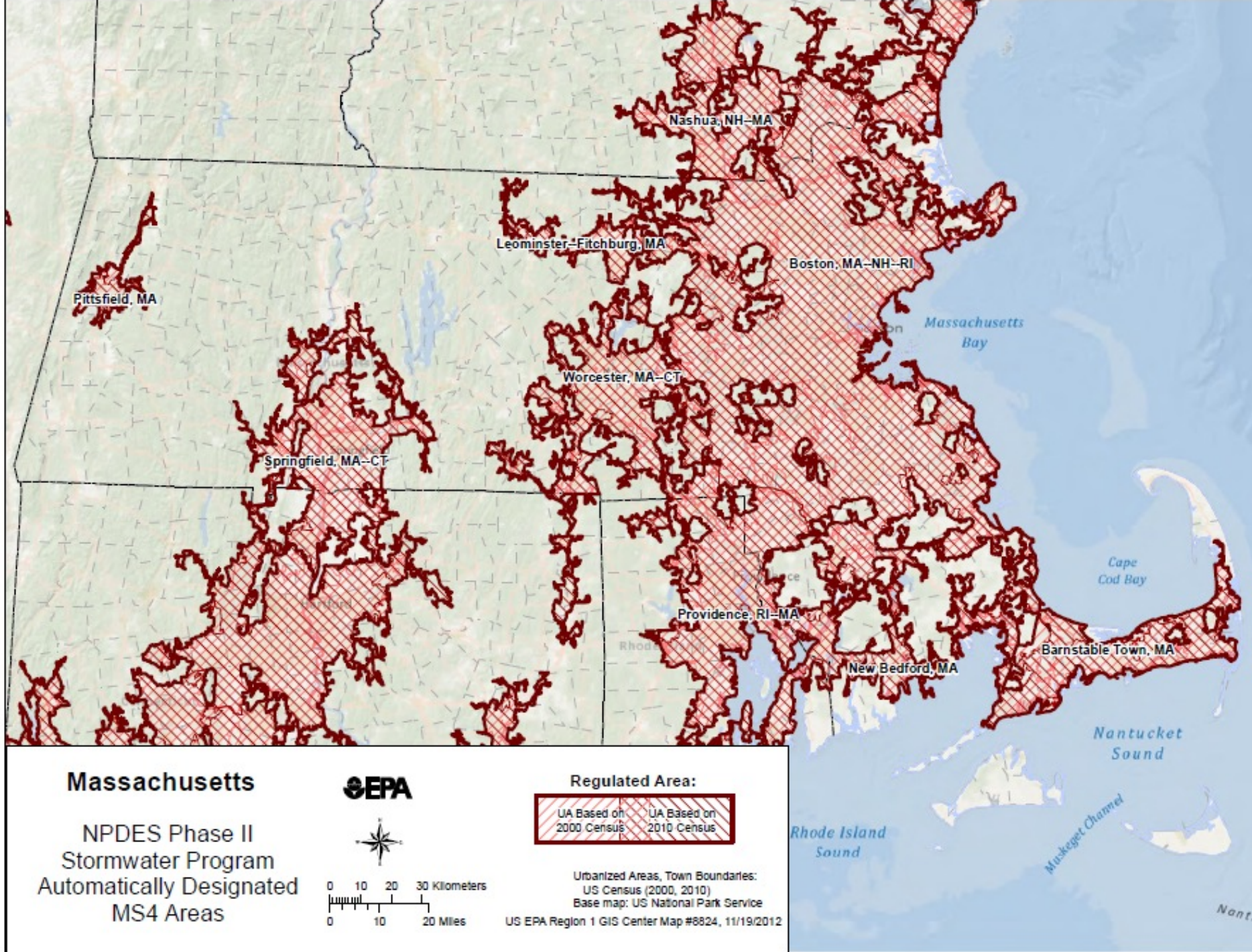
- ▶ Before 1987 stormwater considered a non-point source and not regulated
- ▶ Water Quality Act of 1987 required NPDES permitting of certain stormwater discharges
- ▶ 1999 stormwater permit program expansion: small municipalities also needed permits
- ▶ First Massachusetts small MS4 permit issued in 2003

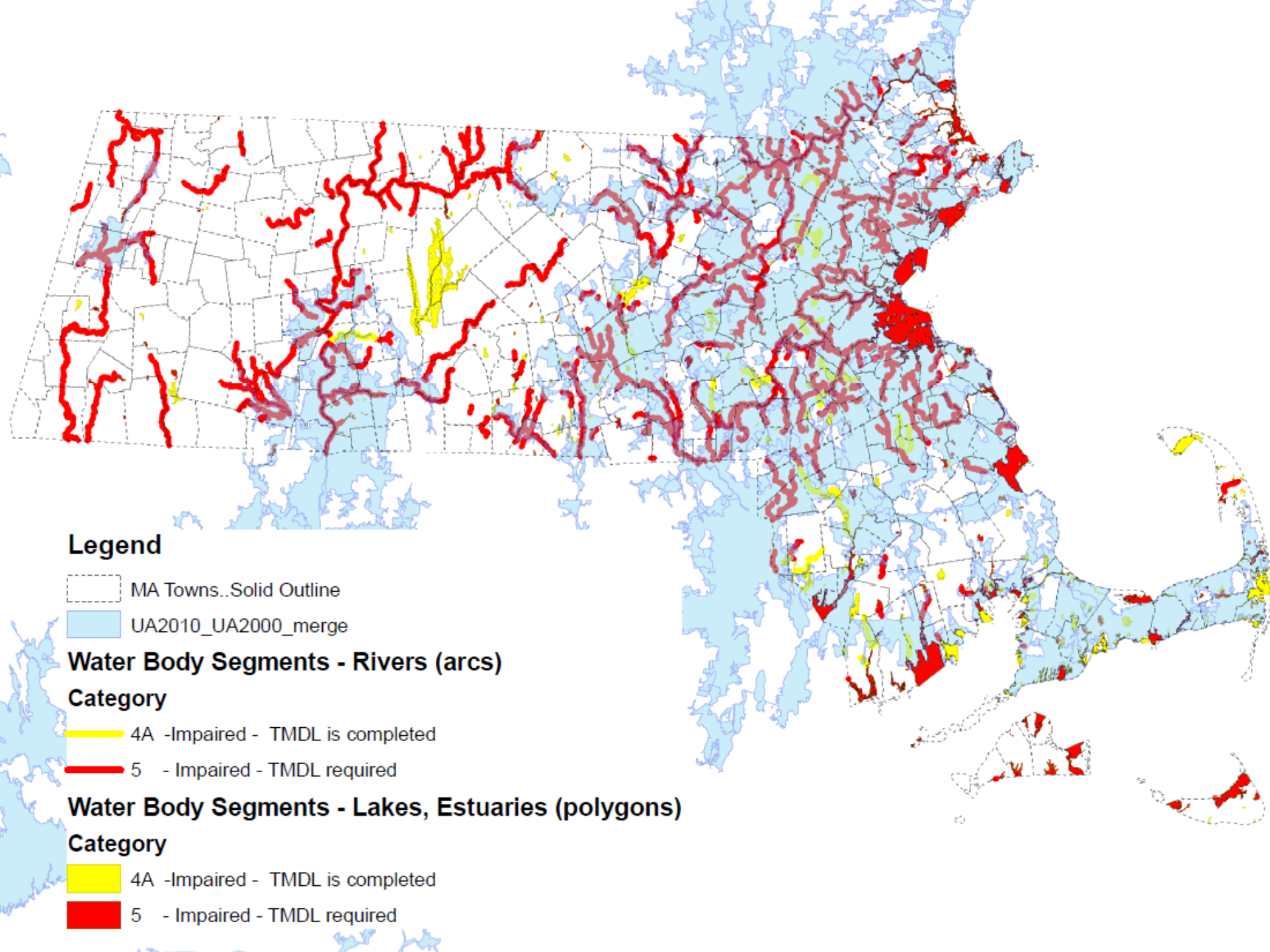
Small MS4s Nationwide

80% of the
US
Population

5,000+
Cities and
Towns







Impaired Waters

Stormwater discharges are causing or contributing to at least **55%** of the impairments in all Massachusetts' assessed waters



2014 Draft Massachusetts MS4 Permit Requirements

Six Minimum Measures

1. Public education
2. Public involvement
3. Illicit discharge detection & elimination
4. Construction runoff
5. Post-construction stormwater management
6. Pollution Prevention

Discharges to Impaired Waters

Discharges to waters
without a TMDL

Discharges to waters
with an Approved TMDL



Approved TMDLs

Long Island Sound Nitrogen TMDL

Phosphorus and
Metals TMDLs for
Rhode Island
Waters



Bacteria and Pathogen TMDLs

Charles River Phosphorus
TMDLs

Lake and Pond Phosphorus TMDLs

Cape Cod Nitrogen
TMDLs

Assabet River Phosphorus TMDL



Discharges to Waterbodies *Without* an Approved TMDL

Additional requirements for
Bacteria, Nutrients, Solids,
Chloride, Metals and Oil and
Grease



Timing

- **September 30, 2014 – EPA and MassDEP release draft MS4 permit for public comment**
- **January 9, 2015 – Comment period reopened**
- **February 27, 2015 – Comment period closes**

Image Credits

Ruler – Credit: <http://www.flickr.com/photos/vrillusions/5197046091/>

Beach closure, impaired water - Credit: EPA

Wachusett Reservoir – Credit:

<http://www.coreservs.com/news/wp-content/uploads/2012/10/015-Wachusett-Reservoir.jpg>

Sparrow Dock – Credit:

<http://www.flickr.com/photos/zim2411/3790850184/in/photostream/>

Census – Credit:

<http://blogs.census.gov/2012/04/04/how-do-we-measure-urban-areas/>



Thank you

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Draft Permit Documents: http://www.epa.gov/region1/npdes/stormwater/MS4_MA.html