

Current Stormwater Regulations in Massachusetts

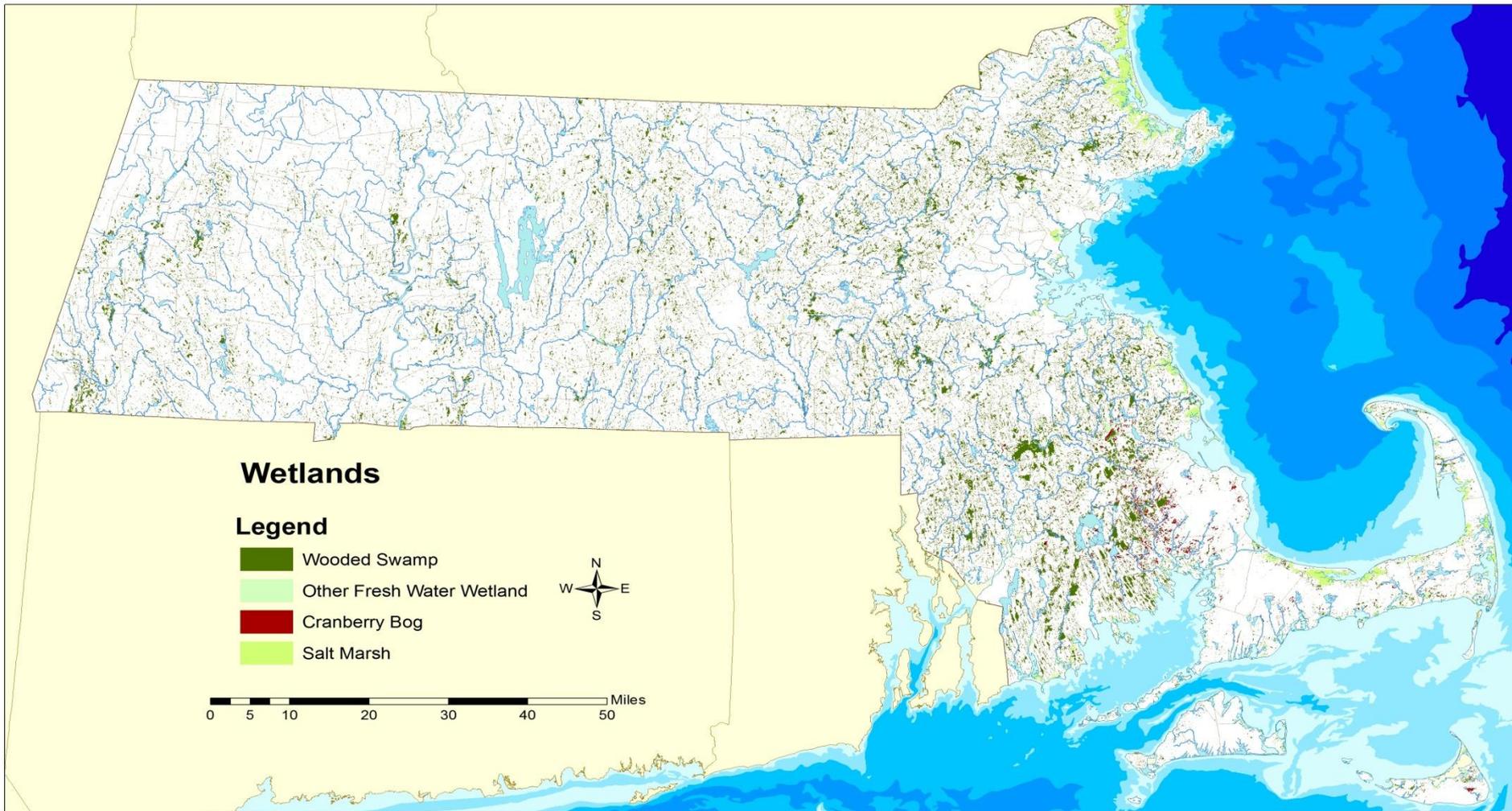
- ▶ Federal Regulations
 - Construction General Permit
 - Multi Sector General Permit
 - Municipal Separate Storm Sewer System (MS4)
 - Proposed: Residual Designation Authority
- ▶ State Regulations
 - Wetlands Regulations include the Massachusetts Stormwater Standards
- ▶ Local Bylaws

Stormwater Rules

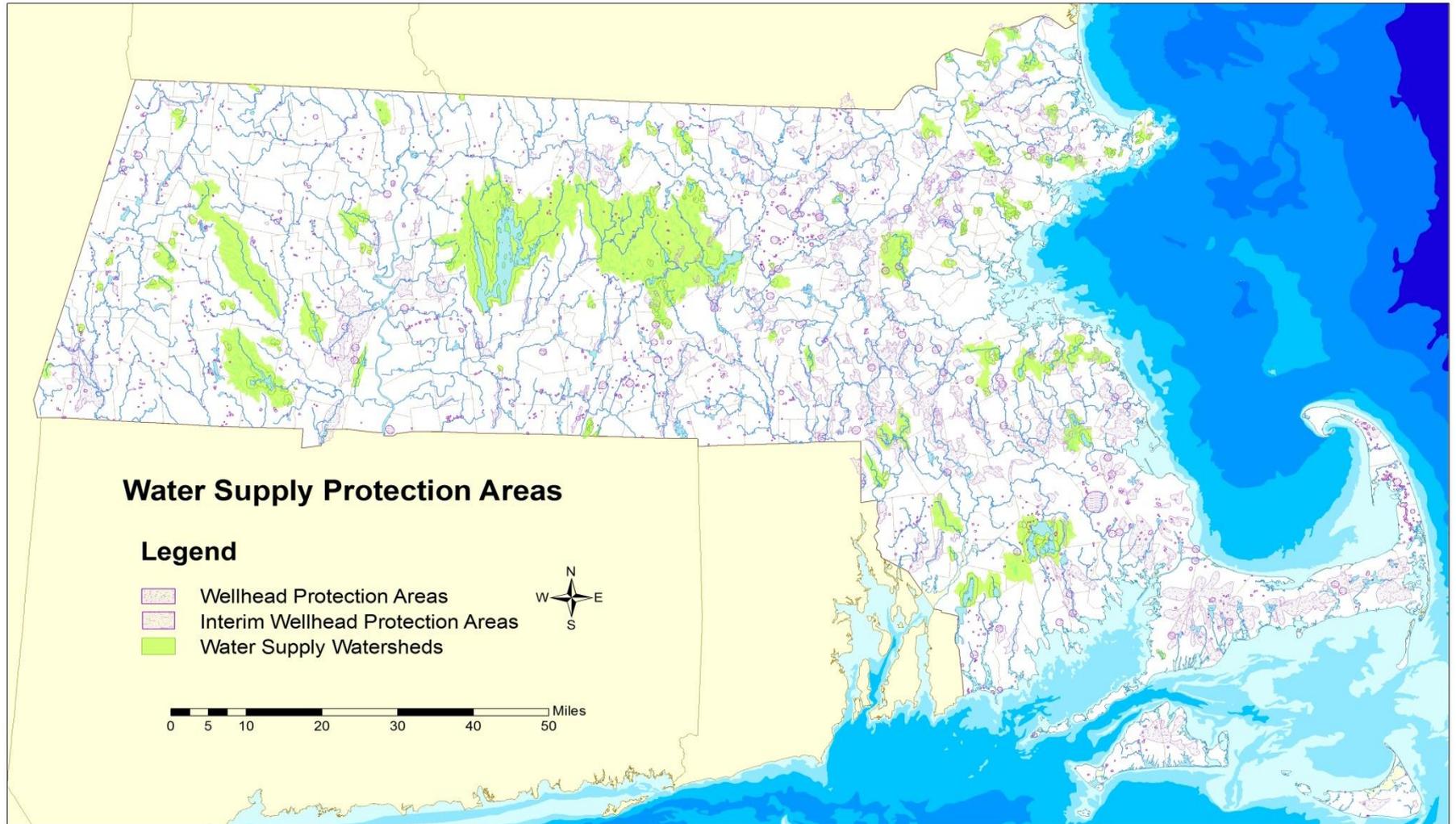
Geographic Responsibilities

- ▶ Protecting sensitive resources: state
 - Wetlands jurisdictional areas
 - Rivers and ocean shore
 - Water supply areas
- ▶ Inside “urbanized areas”: federal
- ▶ All other areas: local option

Wetlands



Water Supply Protection Areas



Mass Stormwater Standards

- ▶ In Wetlands jurisdictional areas
- ▶ As Policy starting in 1997
- ▶ As part of Wetlands Regulation since 2008
- ▶ Also being used as common rules
 - Locally
 - Federally

Stormwater Management Standards

1. No New Direct Discharges/No Erosion to Mass. Waters
2. Control Peak Discharge Rates
3. Recharge Groundwater to Max. Extent Practicable
4. Remove 80% TSS through source controls and BMPs
5. Specific Treatment for Higher Pollutant Loads
6. Specific Treatment to Protect Critical Areas
7. Redevelopment Must Improve Conditions
8. Construction Period Erosion & Sediment Controls
9. Post construction: O & M Plan Required
10. No illicit discharges

www.mass.gov/dep/water/laws/policies.htm#storm

Stormwater Handbook

Pretreatment Requirements

Remove at least 44% TSS Prior to Discharge to Infiltration Structure if:

- Within a Zone II or Interim Wellhead Protection Area
- Near any of these Critical Areas:
 - Outstanding Resource Water
 - Special Resource Water
 - Shellfish Growing Area
 - Cold-water Fishery
 - Bathing Beach
- From Land Uses with Higher Potential Pollutant Loads
- In Area with Rapid Infiltration Rate (> 2.4 inches/hour)

Standard 7: Redevelopment



- ▶ *New since 2008*– Redevelopment Checklist
 - Must Fully Meet Standards 1, 8, 9, and 10
 - Must Meet Other Standards to Maximum Extent Practicable
 - Any Existing Illicit Discharges Must Be Removed (Std. 10)
 - Construction Period Controls Fully Required (Std. 8)
 - Long term Pollution Prevention & O/M Plans Required
- ▶ *Reminder* – Redevelopment Must Improve Existing Conditions

Stormwater Standards and LID

- ▶ Proponent “must consider” Low Impact Development
 - In site design
 - In use of BMPs
- ▶ Volume 2 Chapter 2 of the Stormwater Handbook
 - Specs for Low Impact Development BMPs
 - Rain gardens, cisterns, green roofs, bioretention cells
- ▶ For More information
 - Frederick.Civian@state.ma.us 617-292-5821