

# Session 2

## States' Approaches to Alternatives, Assessment, Integration

*MassDEP*

*CWA Vision Workshop*

*November 9<sup>th</sup>, 2016*

# Approaches: Alternatives

Approach	States
Straight to Implementation	WA, RI, NY, NV, OR, OH, WV, <b>MA (LTCP for CSOs), EPA Opti Tool</b>
Restoration actions with plans for Category 5 (CSO, 5 R, watershed plans (CWA319))	MN, IA, NH, WI, GA, FL, <b>(New) MA (watershed based plans)</b>
Category 4B	AK (CERCLA), OH (NPDES), CT (Remediation), TX, NC

# Current Approaches: Assessment

Approach	States
Monitoring focus on un-assessed waters	MD, CO, <b>MA (until 2010)</b>
Probabilistic monitoring	AZ, GA, HI, KS, KY, MI, NH, OK, UT, VA, NC, ND, <b>MA (beginning 2010-2018)</b>
Targeted Monitoring	MT, ID, <b>MA (fish toxics, reference site network, 319 project effectiveness)</b>
Rotational Monitoring	MN, NV, NM, NY, OH, OK, RI, UT, WY, ME, VA, <b>MA (rotating 5 yr)</b>
Use of data from other sources	AZ, CA, AI, CO, FL, IL, MD, MI, MN, MT, NH, KS, NY, TX, UT, VA, VT, <b>MA</b>
Use of improved tools and databases	MT, NM, NY, TX, <b>MA (EQuIS)</b>
Improved Data Base	CA (Environmental Data Exchange Network)
Improved assessment process (tools, analysis)	NM, MT, TX, <b>MA (2016 Integrated report)</b>

# MassDEP Water Quality Data Sources

## **Massachusetts State Agencies**

- MassDEP- Drinking Water Program, Wetlands and Waterways Program, Watershed Planning, Wastewater Management Program and Permitting
- Department of Environmental Protection/UMass Dartmouth - Massachusetts Estuaries Project (MEP)
- Office of Coastal Zone Management (CZM)
- Department of Conservation and Recreation (DCR)
- Department of Fish and Game - Division of Marine Fisheries
- Department of Fish and Game - Division of Fisheries and Wildlife
- Department of Public Health (DPH)
- Massachusetts Water Resources Authority (MWRA)
- MassGIS data layers pertaining to land use, percent impervious cover, pollution sources, etc.

## **Federal Agencies**

- U.S. Geological Survey
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- National Oceanographic and Atmospheric Administration

## **Other Sources**

- Massachusetts Water Resources Research Center
- Colleges, Universities and associated academic institutions
- Watershed and lake associations
- Citizen monitoring programs
- Municipal Conservation Commissions (nonpoint source assessment)
- WWTPs- NPDES Permit Monitoring Requirements
- Municipal Facilities Plans
- Environmental consultants

# Current Approaches: Integration

Approach	States
Integrated Agency Structure	KS, LA, ND, HI, VT, AZ, CT, IA, MD, RI, UT, <b>MA (WPP)</b>
Dedicated Agency Position	MN, OR
CWA 319 Elements Integrated Into TMDL (Watershed-based plans)	UT, IN, MI, <b>MA (White Island Pond)</b>
Multi-program coordination groups	IN, CA, KS, MN, ND, OR, OK, <b>MA (NEIWPCC)</b>
Multi-program meetings	AL, AZ, UT, NV, ND
Coordinated Plans	IA, VT, TX, IL, <b>MA (NPS Management Plan)</b>
Cooperative Agreements	MO, CO, CA, TX, <b>MA (MOU, Ag Certainty)</b>
Integrated Data base	CA, TX