CONNECTICUT (REGION 1)

A Snapshot of Connecticut's TMDL Program (October 2008)

The Basics

Key Agency/Department & website	Connecticut Department of Environmental Protection www.ct.gov/dep/tmdl
TMDL Program Structure/Placement	Integrated across WQS, monitoring and assessment, and implementation functions (key staff housed in Bureau of Water Protection and Land Reuse / Planning and Standards Division)

By the Numbers

Number of Impaired Waters		279
Number of Causes of Impairment		476
Top Five Causes of Impairment	1. Pathogens 2. Cause Unknown 3. Organic Enrichment/Oxygen Depletion 4. Nutrients 5. PCBs	

Approximate Number of TMDLs Developed Annually	25
Total Number of TMDLs Approved (1995 to present, incl. any est'd by EPA)	84
Total Number of TMDLs Approved in 2005/2006/2007	30/16/7
2008 303d/Integrated Report Submission Status (Date)	7/30/2008
Approximate Number of FTEs Working on TMDL Issues	3

TMDLs

EPA Under Consent Decree to Develop TMDLs?	N
Broad-Scale? (*e.g.*, watershed, multi-jurisdictional, etc.)	Y

Non-TMDL Options

Use of Non-TMDL Options to Address Impaired Waters?	Y
Example(s)	4b, if other plans are in place to implement fixes for impairments (*e.g.*, Remediation Program, Lakes Dredging Projects)

Funding

Approximate Annual Budget for TMDL Program	no separate line item
Primary Source(s) of TMDL Program Funding	federal 106 funds; state general fund; other federal grants or State Special Act monies for specific problems

TMDL Implementation

TMDL Implementation Required? Y

--we anticipate all TMDLs will be implemented and have insurmountable problems getting management approval for TMDLs that cannot be implemented; for all WLAs, implementation is required by law through permitting programs (NPDES, including MS4) and therefore implementation is mandatory; for LA, there may not be specific regulations or statutes, but achieving WQSs is required

Innovations

Example(s) of Any Innovative Approach(es) Employed

--Long Island Sound Nitrogen Trading Program; cumulative frequency distribution curve for bacteria; % impervious cover for stormwater-caused aquatic life impairments; whole effluent toxicity TMDL

--broad-scale TMDL for Long Island Sound, for dissolved oxygen (applies to all watersheds draining to LIS and was drafted by CT and NY)

--TMDL tracking via MS Access tracker program

--"TMDL" staff involved in many diverse activities, from "stressor ID" analysis to streamflow and habitat evaluation, to WQ Criteria development, to implementation support

TMDLs that Represent a Particular Achievement

--Eagleville Brook: impervious cover as surrogate for stormwater
http://www.ct.gov./dep/lib/dep/water/tmdl/tmdl_final/eaglevillefinal.pdf

--Long Island Sound: nitrogen trading program implementation
www.ct.gov/dep/lib/dep/water/lis_water_quality/nitrogen_control_program/tmdl.pdf

--Naugatuck River Whole Effluent Toxicity TMDL
www.ct.gov/dep/lib/dep/water/tmdl/tmdl_final/naugtmdl.pdf

Barriers

Top Three Barriers to TMDL Development

1. time
2. money
3. staff resources

Top Three Barriers to TMDL Implementation

1. funds to support non-mandatory NPS controls
2. commitment from towns due to lack of funds to implement stormwater retrofits

3. implementing NPS solutions is complex, and science and engineering are still in development