

TMDL Implementation Resources At-a-Glance Summary

(existing, ongoing, and planned studies, documents, and other resources that provide insights on TMDL implementation)

TMDL Results Analysis Workgroup, last updated 5/9/08

Contact: Doug Norton (Norton.Douglas@epa.gov)

Resource	Website (if available)	Available Date
TMDL Implementation Tracking Needs Assessment: Current Status and Future Needs for States in EPA Regions 5, 6, and 10: Cadmus report on multi-regional analysis of state TMDL implementation tracking capacity, needs and database issues, insights on possible implementation factors to track.	http://yosemite.epa.gov/R10/WATER.NSF/af6d4571f3e2b1698825650f0071180a/7bc375c64c55f59d8825687900597d80/\$FILE/Final%20TMDL%20Implementation%20Tracking%20Report.pdf	March 2008
Total Maximum Daily Loads: Understanding and Fostering Successful Results: Kent State grant analyzing TMDL implementation effectiveness and driving factors in two states (VA, OH), one with watershed-based approaches, the other with a single-waterbody approach. Report on factor analysis and probable journal papers planned.		Late 2008
VATECH grant on TMDL Implementation – Characteristics of Successful Projects: This university grant analyzed driving factors underlying TMDL successes in 17 watersheds nationally; synopses and full report are available at http://www.tmdl.bse.vt.edu/research/	http://www.tmdl.bse.vt.edu/research/	2006
Developing Effective Nonpoint Source TMDLs: An Evaluation Of The TMDL Development Process: OPEI/OW joint study of practitioner opinions on key factors influencing nonpoint TMDL development, and some reference to implementation success.	http://www.epa.gov/evaluate/tmdlfinal.pdf	2006
Impaired Waters Recovery Potential Project: OW/ORD study to identify indicators of impaired waters recovery potential and other factors influencing implementation success and environmental change; presents indicators, tools and a decision logic for screening and prioritizing TMDL development and implementation actions.		Varies by product
WEF TMDL 2007 Conference: June 2007 conference special session of technical papers on TMDL results analysis developed to engage more broadly with water science and policy professionals. Some EPA papers included implementation issues, driving factors of success. Selected papers also published in peer-reviewed online journal WaterPractice.	http://www.e-wef.org/timssnet/products/WEF_ConfProc_List.cfm	June 2007

Resource	Website (if available)	Available Date
ASIWPCA TMDL Working Group on Environmental Results and Innovation: Grant to facilitate interstate/EPA idea exchange about TMDL implementation and effectiveness issues; go beyond bean counts to document and demonstrate environmental results.		Ongoing (thru 9/09)
VATECH grant: TMDL and Watershed Planning Technical Support Center: This university grant partially funds the VATECH TMDL Clearinghouse (http://www.ext.vt.edu/cgi-bin/WebObjects/TMDL.woa), which contains ~500 literature review, state summary, guidance, and TMDL implementation by state documents/studies.	http://www.ext.vt.edu/cgi-bin/WebObjects/TMDL.woa	Ongoing (thru 10/09)
Total Maximum Daily Load Program Needs Better Data and Measures to Demonstrate Environmental Results, OIG Report No. 2007-P-00036: Inspector General final report on TMDL program evaluation. Specified some criticisms of inability to track and report on TMDL implementation, data systems gaps between TMDLs and implementing permits or BMPs; made specific recommendations	http://www.epa.gov/oig/reports/2007/20070919-2007-P-00036.pdf	September 2007
OW Corrective Actions Plan (re. TMDL OIG Review): B Grumbles Memorandum and proposed actions to correct OIG report criticisms. Summarizes several commitments relevant to TMDL Implementation for 2007 – 2009.		December 2007
TMDL/Permits Linkage Improvements Workgroup: Implementation-related permits/TMDLs data systems improvements identified by a cross-office working group, will identify feasible data systems improvements and make recommendations to both programs' management. Mandated corrective action plan activity.		May 2007
ADB (Assessment Data Base) Burden Reduction Workgroup/ADB Design Update: May involve studying and revising ADB data entry, data flow, data elements including implementation milestones and related factors; could be in 2010-2011 time frame for major redesign options.		Ongoing
TMDL Implementation Synthesis Paper: TMDL program results analysis project plans to produce a synthesis paper on implementation by the end of 2008; distillation of probably all items in this paper, and collectively, the primary lessons learned at this point in time. Mandated corrective action plan activity.		Late 2008
Region 5 Implementation sample survey pilot study: sample-based assessment to provide statistically sound estimates of TMDL implementation rates and other insights about implementation patterns;		Late 2008

Resource	Website (if available)	Available Date
pilot in Region 5 will produce regional-level statistical estimate while refining methods for data collection, analysis, interpretation. Mandated corrective action plan activity.		
National Implementation sample survey pilot study: National, sample-based assessment to provide statistically sound estimates of TMDL implementation rates and other insights about implementation patterns planned for 2009. Will require a new ICR to gather survey data on implementation across states. Mandated corrective action plan activity.		Late 2009
WA state settlement agreement and 03 Implementation study: Includes agreed upon tracking and reporting on TMDL implementation progress for approved TMDLs. Builds on earlier WA study documenting implementation of TMDLs.	http://yosemite.epa.gov/r10/water.nsf/ac5dc0447a281f4e882569ed0073521f/27f983713d89b369882567dd005f921e/\$FILE/ATT7J4NQ/TMDL%20implementation_report_Feb05.pdf	ongoing