

Selected 1999 – 2000 USGS TMDL Activities

<u>State/Contact</u>	<u>Activities</u>
ALABAMA – http://al.water.usgs.gov/	
W. Scott Gain (Acting) dc_al@usgs.gov 2350 Fairlane Drive, Suite 120 Montgomery, AL 36116 Telephone: (334) 213-2332 Fax: (334) 213-2348 Office hours: 7:30 a.m. to 4:00 p.m. Central Time	USGS Gaging Network contributions to load calculations for TMDLs
ALASKA – http://ak.water.usgs.gov/	
GORDON L. NELSON dc_ak@usgs.gov U.S. Geological Survey 4230 University Dr., Suite 201 Anchorage, AK 99508-4664 Telephone: (907) 786-7111 Fax: (907) 786-7150	USGS Gaging Network contributions to load calculations for TMDLs
ARIZONA – http://az.water.usgs.gov/	
NICK B. MELCHER dc_az@usgs.gov U.S. Geological Survey Water Resources Division 520 N. Park Avenue, Suite 221 Tucson, AZ 85719 Telephone: (520) 670-6671, ext. 221 Fax: (520) 670-5592	USGS Gaging Network contributions to load calculations for TMDLs Metals and low pH listings in mined areas near Patagonia, AZ. (GD)
ARKANSAS – http://ar.water.usgs.gov/	
JOHN TERRY dc_ar@usgs.gov 401 Hardin Rd. Little Rock, AR 72211 Telephone: (501) 228-3613 Fax: (501) 228-3601	USGS Gaging Network contributions to load calculations for TMDLs

CALIFORNIA - <http://ca.water.usgs.gov/>

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Identifying human-induced pollutant loading and levels from natural sources in San Francisco Bay: Pre-industrial background concentrations of metals in sediments.

Mercury loads in Cache Creek and Yolo Bypass

We are currently sampling 10 sites in the Bridgeport Valley Ca for TMDL development related to inflow to Bridgeport Reservoir. The main focus is nutrients and sediment.

Stockton dissolved oxygen issue (nutrients in the San Joaquin River Basin)
Santa Clara River surface water/ground water interactions and transport/fate studies

Pollutant monitoring data in relation the natural system: Mercury pollutant concentrations in relation to suspended sediment.

Pre- and post highway construction in relation to atmospheric deposition, urban runoff, and reservoir quality changes.

San Joaquin River Basin diazinon and chlorpyrifos transport

Bear/Yuba rivers mercury

Cache Creek mercury

Sacramento River Basin diazinon transport

Pesticide field applications, river transport, tidal mixing in estuarine system

What control actions may be the most effective for cases involving toxic hot spots around the margin of San Francisco Bay

The control of silver from treatment plant effluent at Palo

Suspended sediment plume concentrations: Dredged material disposal in relation to concentrations throughout the embayment.

COLORADO – http://webservice.cr.usgs.gov/	
WILLIAM F. HORAK dc_co@usgs.gov Bldg. 53, Denver Federal Center Mail Stop 415, Box 25046 Lakewood, CO 80225 Telephone: (303) 236-4882, ext. 258 Fax: (303) 236-4912	Selenium levels and loadings in the Lower Gunnison Valley.
	Metal contamination on the Animas River: Abandoned Mine Lands (AML)
CONNECTICUT – http://ct.water.usgs.gov/	
VIRGINIA A. DELIMA dc_ct@usgs.gov 101 Pitkin Street East Hartford, CT 06108 Telephone: (860) 291-6740 Fax: (860) 291-6799	USGS Gaging Network contributions to load calculations for TMDLs
DELEWARE/MARYLAND/DC – http://de.usgs.gov/	
DANIEL J. SOEDER dc_de@usgs.gov 1289 McD Dr. Dover, DE 19901-4907 Telephone: (302) 734-2506 Fax: (302) 734-2964	Development and Use of a Hydrologic and Water-Quality Model of the Delaware Inland Bays Watershed
	Streamflow Monitoring in the Nanticoke/Appoquinimink River Basins.
FLORIDA – http://fl.water.usgs.gov/	
CARL R. GOODWIN dc_fl@usgs.gov 227 N. Bronough St., Suite 3015 Tallahassee, FL 32301 Telephone: (850) 942-9500 Fax: (850) 942-9521	USGS Gaging Network contributions to load calculations for TMDLs
GEORGIA – http://ga.water.usgs.gov/	
EDWARD H. MARTIN dc_ga@usgs.gov Peachtree Business Center, Suite 130 3039 Amwiler Rd. Atlanta, GA 30360-2824 Telephone: (770) 903-9100 Fax: (770) 903-9199	Monthly sampling for analysis of nutrients, selected trace metals, and field parameters for the Georgia Environmental Protection Division.

HAWAII – http://hi.water.usgs.gov/	
GORDON TRIBBLE dc_hi@usgs.gov 677 Ala Moana Blvd., Suite 415 Honolulu, HI 96813 Telephone: (808) 587-2405 Fax: (808) 587-2401	Paired gages and watershed modeling to parse out the contributions of sediments and nutrients from conservation, agricultural, and urban lands. Proposal under development
IDAHO - http://id.water.usgs.gov/	
DERRILL J. COWING dc_id@usgs.gov 230 Collins Rd. Boise, ID 83702-4520 Telephone: (208) 387-1300 Fax: (208) 387-1372	Assessment of river biological and chemical conditions within four 303d-listed segments relative to beneficial uses: Sediment, fish and invertebrate habitat and populations, temperature, nutrients, and bacteria in the Lower Boise River Basin, SW Idaho
	Assessment of major Idaho streams support of beneficial uses and stream-quality trends: sampling and evaluating biological communities; bioaccumulation of trace elements and organic compounds; and instantaneous loads of nutrients, sediment, and bacteria
	Sampling and data analysis to determine current eutrophication potential of Payette Lake and modeling to assess how altered nutrient loads affect this potential
	Metals, nutrients, sediment, and aquatic communities in streams and lakes of the Spokane River Basin in northern Idaho and eastern Washington
	Assessing the technical quality of selected work plans, documents, and reports (including TMDLs) submitted to USEPA, Region X
	NAWQA activities on the Snake River Study Unit (Low intensity phase; 2 sites in SW Idaho) and Northern Rockies Study Unit (High intensity phase; Northern Idaho, NW Montana, and NE Washington) provide data on nutrients, temperature, sediment, contaminants, and biological communities that are proving to be significant for TMDL activities in Idaho.

ILLINOIS – http://il.water.usgs.gov/	
BOB HOLMES dc_il@usgs.gov 221 North Broadway Avenue Urbana, IL 61801 Telephone: (217) 344-0037, ext. 3003 Fax: (217) 344-0082	USGS Gaging Network contributions to load calculations for TMDLs
INDIANA – http://in.water.usgs.gov/	
LINDSAY A. SWAIN dc_in@usgs.gov 5957 Lakeside Blvd. Indianapolis, IN 46278-1996 Telephone: (317) 290-3333, ext. 175 Fax: (317) 290-3313	USGS Gaging Network contributions to load calculations for TMDLs
IOWA – http://ia.water.usgs.gov/	
ROB MIDDLEMIS-BROWN dc_ia@usgs.gov P.O. Box 1230 Iowa City, IA 52244 Telephone: (319) 358-3600 Fax: (319) 358-3606	USGS Gaging Network contributions to load calculations for TMDLs
KANSAS – http://ks.water.usgs.gov/	
WALTER R. AUCOTT dc_ks@usgs.gov 4821 Quail Crest Place Lawrence, KS 66049 Telephone: (785) 842-9909 Fax: (785) 832-3500	A real-time water-quality network for estimating total maximum daily loading in the lower Kansas River Basin
	Estimating potential runoff contributing areas in Kansas for focusing best management practices to meet total maximum daily load requirements
	Estimating the flow duration curves for selected ungaged sites in Kansas.
	Use of reservoir sedimentation studies to reconstruct historical water-quality trends and mass loadings.

KENTUCKY - http://ky.water.usgs.gov/	
<p>HARRY C. ROLLINS dc_ky@usgs.gov 9818 Bluegrass Parkway Louisville, KY 40299 Telephone: (502) 493-1900 Fax: (502) 493-1909</p>	Dioxin TMDLs for the Ohio River
	CE-QUAL W2 nutrient model for Herrington Lake and the Dix River
	HSPF nutrient and dissolved oxygen model for Chenoweth Run
	Technical Assistance for the Kentucky Watershed Management Framework
	Data collection for TMDL efforts includes 34 gaging stations at sites identified as impaired on the Kentucky 305b report: Gaging station data for TMDL applications
	Metals and pH in the Big South Fork: National Park Lands
	Metals and pH in Rock Creek: Abandoned Mine Lands
LOUISIANA - http://la.water.usgs.gov/	
<p>CHARLES R. DEMAS dc_la@usgs.gov 3535 S. Sherwood Forest Blvd. Suite 120 Baton Rouge, LA 70896 Telephone: (225) 389-0281 Fax: (225) 389-0706</p>	USGS Gaging Network contributions to load calculations for TMDLs
MAINE – http://me.water.usgs.gov/	
<p>ROBERT M. LENT dc_me@usgs.gov 26 Ganneston Dr. Augusta, ME 04330 Telephone: (207) 622-8202 Fax: (207) 622-8204</p>	USGS Gaging Network contributions to load calculations for TMDLs

MARYLAND/DELAWARE/DC – <http://md.usgs.gov/>

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Streamflow and Water-Quality Monitoring in Support of Watershed Model Development, Potomac River Basin.

MASSACHUSETTS/RHODE ISLAND – <http://ma.water.usgs.gov/>

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Northborough, MA 01532
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Development of a statewide water-quality monitoring network that will address monitoring for 303(d) listing

MICHIGAN – <http://mi.water.usgs.gov/>

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USGS Gaging Network contributions to load calculations for TMDLs

MINNESOTA – <http://mn.water.usgs.gov/>

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MISSISSIPPI – http://ms.water.usgs.gov/	
MICHAEL L PLUNKETT (Acting) dc_ms@usgs.gov 308 South Airport Road Pearl, MS 39208-6649 Telephone: 601-933-2900 Fax: (601) 933-2901	Sediment Sites for the support of MDEQ’s TMDL (proposed)
	The gage on the Jourdan River will be an AVM and will help MDEQ to quantify inputs to the Sound and establish TMDLs.
	Water-Quality Sites- Fish and Invertebrate Database Development
MISSOURI – http://mo.water.usgs.gov/	
JAMES H. BARKS dc_mo@usgs.gov 1400 Independence Rd., Mail Stop 100 Rolla, MO 65401 Telephone: (573) 308-3664 Fax: (573) 308-3645	Assessment of the effects of stormflow from Wilson Creek and Pearson Creek on the quality of water in the James River, southwestern Missouri
	The assessment of the source and extent of microbiological contamination of the Jacks Fork River within the Ozark National Scenic Riverways
	USGS Gaging Network contributions to load calculations for TMDLs
MONTANA – http://mt.water.usgs.gov/	
ROBERT E. DAVIS dc_mt@usgs.gov USGS, WRD 3162 Bozeman Avenue Helena, MT 59601 Telephone: (406) 457-5900 Fax: (406) 457-5990	Establishment of a cooperative water-quality monitoring program with the Montana Department of Environmental Quality
	USGS Gaging Network contributions to load calculations for TMDLs
NEBRASKA – http://ne.water.usgs.gov/home.html	
MICHAEL E. SLIFER dc_ne@usgs.gov 100 Centennial Mall North Lincoln, NE 68508 Telephone: (402) 437-5082 Fax: (402) 437-5139	The Nebraska District is currently operating 16 surface water sites that relate to TMDL activities in the state. They are sampling for pesticides during storm events and selected low-flow periods. This is the third and final year of data collection. A report is planned for the fourth year.

NEVADA – http://nv.usgs.gov/	
<p>TERRY REES dc_nv@usgs.gov 333 West Nye Lane, Rm 203 Carson City, NV 89706 Telephone: (775) 887-7600 Fax: (775) 887-7621</p>	Nutrient loadings from tributary streams to Lake Tahoe
	Nutrient and dissolved solids loadings from point and non-point sources to the Truckee River
	A statistical analysis of over 15 years of sampling data (concentrations, water discharge) to develop an estimate of annual loads from tributary streams
	Technical support to an interagency modeling effort to evaluate current TMDLs for nitrogen, phosphorus, and dissolved solids is being conducted. USGS conducting field studies to verify model coefficients and equations for time of travel and reaeration
NEW HAMPSHIRE VERMONT – http://nh.water.usgs.gov/	
<p>BRIAN R. MRAZIK dc_nh@usgs.gov 361 Commerce Way Pembroke, NH 03275-3718 Telephone: (603) 226-7800 Fax: (603) 226-7894</p>	USGS Gaging Network contributions to load calculations for TMDLs
NEW JERSEY – http://nj.usgs.gov/	
<p>ERIC J. EVENSON dc_nj@usgs.gov 810 Bear Tavern Rd., Suite 206 West Trenton, NJ 08628 Telephone: (609) 771-3900 Fax: (609) 771-3915</p>	Improving Watershed Indicators as a Basis for Developing Realistic Stream Restoration Goals
	Continuous stream water-stage and discharge gages, and 4 partial record sites on the Whippany River, Morris County, NJ
	Monitoring 115 sites on nontidal streams in New Jersey for major ions, nutrients, sanitary microbial indicator organisms, and trace elements.
	Monitoring 7 sites on 4 Tributaries to the Toms River Estuary and Barnegat Bay for concentrations of sediment, nutrients, and bacteria transport to the Barnegat Bay

	<p>Monitoring 4 sites on the Musconetcong River, 1 site on the Saddle River, 2 sites on the Whippany River, 1 site on the Flat Brook, 1 site on the Delaware River for water column nutrients, major ions, trace elements, discharge, and sanitary microbial indicators</p>
	<p>Monitoring 79 sites for water column nutrients, major ions, trace elements, discharge, and sanitary microbial indicators: an assessment of the relative contributions of constant (point sources and ground-water discharge) and intermittent (nonpoint sources and storm runoff) sources of constituents to a stream and tests for trends in the concentrations of constituents during low and high flows.</p>
	<p>Monitoring 35 continuous stream water-stage and discharge gages in the Passaic and Hackensack River Basins in the States of New Jersey and New York. Monitoring 70 stream reaches that are on the Section (303d) list of water quality limited waters in New Jersey based on data collected at stations that comprise part of the New Jersey ambient water quality cooperative network.</p>
<p>NEW MEXICO – http://nm.water.usgs.gov/</p>	
<p>LINDA S. WEISS dc_nm@usgs.gov 5338 Montgomery, NE Suite 400 (for the District Office) Suite 300 (for the Albuquerque Field Office) Albuquerque, NM 87109-1311 Telephone: (505) 830-7900 Fax: (505) 830-7998</p>	<p>USGS Gaging Network contributions to load calculations for TMDLs</p>
<p>NEW YORK – http://ny.water.usgs.gov/</p>	
<p>L. GRADY MOORE dc_ny@usgs.gov 425 Jordan Rd. Troy, NY 12180 Telephone: (518) 285-5600 Fax: (518) 285-5601</p>	<p>USGS Gaging Network contributions to load calculations for TMDLs</p>

NORTH CAROLINA – <http://nc.water.usgs.gov/>

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Raleigh, NC 27607

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Fax: (919) 571-4041

Development of a model framework for nitrogen and dissolved oxygen in the Neuse River and estuary in North Carolina: A dynamic water-quality modeling framework for the Neuse River estuary, North Carolina

USGS Gaging Network contributions to load calculations for TMDLs

NORTH DAKOTA – <http://nd.water.usgs.gov/>

GREGG J. WICHE

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Bismarck, ND 58501-1199

Telephone: (701) 250-7401

Fax: (701) 250-7492

Data collection and modeling at medium flow and at low flow for low DO, ammonia, nutrients, and general loading from point and nonpoint sources

Data collection and statistical analysis low DO, ammonia, nutrients, and general loading from point and nonpoint sources

OKLAHOMA – <http://www.ok.cr.usgs.gov/>

KATHY D. PETER

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Oklahoma City, OK 73116

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Fax: (405) 843-7712

USGS Gaging Network contributions to load calculations for TMDLs

Fate and Effects of Nitrogen in Experimental Aquatic Ecosystems (BRD)

Effects of ammonia on the endangered Colorado pikeminnow (BRD)

Assessment of the eutrophication of Fort Cobb Reservoir, OK (BRD)

DAFLOW and BLTM with the QUAL2E kinetics for modeling low dissolved oxygen concentrations and nutrients

Monitoring for nutrients, particularly phosphorus, in areas with municipal waste water and nonpoint source runoff from poultry litter in eastern Oklahoma

Monitoring and data analysis for pesticides for Oklahoma City

OHIO – <http://www-oh.er.usgs.gov/>

STEVEN M. HINDALL

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USGS Gaging Network contributions to load calculations for TMDLs

Technical Assistance to Ohio EPA for TMDLs

OREGON – <http://or.usgs.gov/>

DENNIS D. LYNCH
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10615 S.E. Cherry Blossom Dr.
Portland, OR 97216
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Fax: (503) 251-3470

Tualatin River Water Quality Assessment

USGS Gaging Network contributions to load calculations for TMDLs

Baseline Water Quality and Biomonitoring for the Lost River, Oregon, 1999 (BRD)

Effects of Water Quality on Lost River and Shortnose Suckers in Upper Klamath Lake, Oregon (BRD)

Collection of stream temperature in Western Oregon for usage in a neural network modeling effort

PENNSYLVANIA – <http://pa.water.usgs.gov/>

WILLIAM H. WERKHEISER
dc_pa@usgs.gov
840 Market St.
Lemoyne, PA 17043-1586
Telephone: (717) 730-6900
Fax: (717) 730-6997

Development of a hydrodynamic and water-quality model using HSPF for the Christina River and its major tributaries

Quantify of the effects of stream bank fencing on the surface-water quality on a basin-wide scale

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Stream water quality in coal mined areas of the lower Cheat River basin, WV and PA

Assistance to EPA Region III in development of Regional Nutrient Criteria information so that EPA can develop a Regional Guidance Document to provide to states for setting state standards

PUERTO RICO – <http://pr.water.usgs.gov/>

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RHODE ISLAND/ MASSACHUSSETTS – <http://ri.water.usgs.gov/>

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Fax: (401) 331-9062

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Development of a statewide water-quality monitoring network that will address monitoring for 303(d) listing

Metals and organic contaminants in the sediments of the Lower Charles River

Stormwater loads of nutrients, bacteria, and metals to the Lower Charles River

PCBs in the Millers River

A watershed model of the Ipswich River

Water-quality sampling at stream sites in Rhode Island

SOUTH CAROLINA – <http://sc.water.usgs.gov/>

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Fax: (803) 750-6181

Assimilative Capacity of the Waccamaw River and the Atlantic Intracoastal Waterway near Myrtle Beach, SC

Catawba River and the concern for dissolved oxygen and nutrient concentrations during low flow

The fate and transport of DO using BLTM-DAFLOW on the Wateree River

Determining the assimilative capacity of the Waccamaw River using BRANCH and BLTM and the impacts of the Pee Dee River and the Atlantic Intracoastal Waterway

Using BRANCH and BLTM to simulate dissolved oxygen on the Cooper and Wando Rivers

Simulating dissolved oxygen and other constituents using BRANCH and BLTM on the Ashley River

SOUTH DAKOTA – <http://sd.water.usgs.gov/>

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Fax: (605) 355-4523

Monthly sampling for sediments and dissolved oxygen

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TENNESSEE – <http://tn.water.usgs.gov/>

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Nashville, TN 37211
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Fax: (615) 837-4799

Evaluation of ecoregion-specific hydrologic parameters for use with the model Hydrological Simulation Program - FORTRAN

USGS Gaging Network contributions to load calculations for TMDLs

TEXAS – http://tx.usgs.gov/	
<p>JESS D. WEAVER dc_tx@usgs.gov USGS WRD 8027 Exchange Drive Austin, TX 78754-3898 Telephone: (512) 927-3500 Fax: (512)927-3590</p>	Assessment of dissolved-oxygen dynamics in three tidal water bodies in the Gulf Coastal Plains of Texas in support of the development of applicable biocriteria
	Modeling with HSPF and GIS activities to support TMDL development in the Arroyo Colorado in South Central Texas
	USGS Gaging Network contributions to load calculations for TMDLs
UTAH – http://ut.water.usgs.gov/	
<p>KIMBALL E. GODDARD dc_ut@usgs.gov US Geological Survey 2329 Orton Circle Salt Lake City, UT 84119-2047 Telephone: (801) 908-5000 Fax: (801) 908-5001</p>	USGS is conducting a site-specific risk assessment of the effects of leachates from an abandoned uranium tailings pile near Moab, Utah
	USGS Gaging Network contributions to load calculations for TMDLs
VERMONT/NEW HAMPSHIRE – http://bowdnhbow.er.usgs.gov/	
<p>BRIAN R. MRAZIK dc_nh@usgs.gov 361 Commerce Way Pembroke, NH 03275 Telephone: (603) 226-7800 Fax: (603) 226-7894</p>	USGS Gaging Network contributions to load calculations for TMDLs

VIRGINIA – <http://va.water.usgs.gov/>

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Richmond, VA 23228
Telephone: (804) 261-2600
Fax: (804) 261-2659

Providing assistance for developing TMDLs for fecal coliform bacteria for three impaired stream segments - Accotink Creek (HUC 02070010), Christians Creek (HUC 02070005), and Blacks Run (HUC 02070005)

Determining the effectiveness of bacteria source tracking for identifying the sources of fecal contamination in the three stream segments

Development of watershed models that can be used to assign TMDLs for the three stream segments

WASHINGTON – <http://wa.water.usgs.gov/>

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Tacoma, WA 98402
Telephone: (253) 428-3600, ext. 2602
Fax: (253) 428-3614

Yakima River Basin, NAWQA-Cycle-II study --a revisit to the Yakima Basin following the Yakima NAWQA Pilot study (1986-91) – technical assistance for development of a DDT TMDL by using surrogate measures such as sediment

Assessment of BMPs for implementation of the turbidity TMDL, a number of BMPs (conversion of rill irrigated areas to buried drip, above ground drip, sprinkler, and rill with PAM) have been initiated by local conservation and irrigation districts

LaGrangian mode synoptic to conduct a mass balance on total DDT

Concentrations of total DDT were measured in resident fish

WEST VIRGINIA – <http://www-wv.er.usgs.gov/>

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Charleston, WV 25301

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Technical assistance for TMDLs through details of individuals to the state office for TMDL development

USGS Gaging Network contributions to load calculations for TMDL

WISCONSIN – <http://wi.water.usgs.gov/>

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Conducting the load computations for BOD for the Wisconsin River

Web enabled Oracle database development and maintenance for QW data, real time data for AVM and regular stream gages, and loading computations for the 8 sampling locations for Rock River

Phosphorus, sediment, and dissolved oxygen in Horicon Marsh

Conservation design evaluation

Street Sweeping evaluation

BMP evaluation

WMIC NAWQA: Water quality monitoring, trends analyses, extrapolating data to unmonitored basins

UMIS NAWQA: Water quality monitoring, trends analyses, extrapolating data to unmonitored basins

UIRB NAWQA: Water quality monitoring, trends analyses, extrapolating data to unmonitored basins

	Dane County Construction Runoff
	PCB remediation assessment to evaluate pre dredging baseline conditions, evaluate short-term impacts of dredging, and evaluate long term impacts
	Oneida Nation Baseline Assessment and Water Quality monitoring, for loads computations, trend analyses, long term network development
	Delavan Lake effort to quantify the effectiveness of nutrient and suspended sediment rehabilitation efforts and determine the trapping efficiency of wetlands
	Rock River Phosphorous to determine loads at 9 sites. Data collection completed and loads being calculated
	Nutrient Criteria effort to develop and approach to developing appropriate nutrient criteria for region 5 based on environmental factors and land use

WYOMING – <http://wy.water.usgs.gov/>

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Relations of Land Use and Water Quality on a Watershed Scale for the Goose Creek Drainages in Northeastern Wyoming

The Yellowstone NAWQA program is presently conducting a pathogen indicator synoptic study in areas where streams have been listed as impaired by fecal coliform

The Yellowstone NAWQA program is in the process of spatial regression modeling to related suspended sediment with basin characteristics

USGS Gaging Network contributions to load calculations for TMDLs

Collection of aquatic ecology samples as part of the USEPA EMAP program in conjunction with the Yellowstone NAWQA program, research into the comparability of EMAP, NAWQA, and state DEQ sampling protocols will be performed and a statewide database of aquatic ecology assessments will be compiled and used to help evaluate stream health

5/5/01