

Summary of Water Quality Data Collected in Support of Lake Pepin Modeling Activities

Source of Data	Contact	Type of Data	Years	Stations	Parameters	Comments
Metropolitan Council Environmental Services MCES	Terrie O'Dea	Water quality grab samples	1997-2006	16 UM monitoring stations, MI 3.5, VR2.7, VR15.6, SC0.3	Nutrients, solids, turbidity, DO, temperature, chlorophyll, BOD & other conventionals routinely monitored	
		Automatic monitoring data	1997-2006	UM 836.8, 831.0, 826.7, 815.3, MI3.5	DO, temperature, pH, specific conductance, turbidity	
		Riverbed sediment monitoring data	1998-2001	11 UM stations, MI 39.4, MI 3.5, SC23.9, SC1.7	Sediment and pore water variables as available	
		Biological monitoring data	1981-2003	All UM stations, MI3.5, MI39.4, SC1.7, SC 23.9, SC 25.8	Periphyton, macroinvertebrates, phytoplankton, zooplankton, habitat as available	
	Cathy Larson	Water quality data, biological, hydrological, meteorological, and effluent data	1985-1996	UM, VR, MI, and SC stations in Metro area	Varies by type of data	Provided on CD – these are data used by HydroQual in past modeling work Data collected by several agencies and compiled by MCES
Minnesota Department of Natural Resources MDNR	Rob Burdis	Hydrolab water quality autosampler data	2000-2006	Lake Pepin at Lake City	Depth, temperature, pH, conductivity and DO, QA/QC data.	Vertical profile data
Wisconsin Department of Natural Resources WDNR	John Sullivan	Water quality data	1997-1998	Lock and Dam No. 3	Nutrients, solids, turbidity, DO, temperature, chlorophyll & other conventionals routinely monitored	

Summary of Water Quality Data Collected in Support of Lake Pepin Modeling Activities - Continued

Source of Data	Contact	Type of Data	Years	Stations	Parameters	Comments
Minnesota Pollution Control Agency MPCA	Steve Heiskary	Water quality data	1997-2000	Lake Pepin at Lake City and 18 stations on Lake Pepin	Nutrients, solids, turbidity, DO, temperature, chlorophyll & other conventionals routinely monitored	
Long Term Resource Monitoring Program LTRMP	Rob Burdis, Minnesota Department of Natural Resources	Water quality data and related parameters	1990-2006	10 sites between RM 764.3 and RM 796.9; Cannon River, Vermillion River and Wells Creek mouths 55 fixed sites (33 are from 97-04) along with 5579 random stations in "Lake Pepin"	Nutrients, solids, turbidity, DO, temperature, chlorophyll & other conventionals (extensive list); also substrate, vegetation, ice thickness and wave height	Downloaded from: http://www.umes.usgs.gov/data_library/water_quality/waterl_query.shtml
Minnesota Pollution Control Agency MPCA	Louise Hotka	Water quality data	1958-2006	Mississippi River at Wabasha St. Bridge (St. Paul), Gray Cloud Island, Lock and Dam No. 2, St. Croix River downstream of Kinnickinnic Delta	Nutrients, solids, turbidity, DO, temperature, chlorophyll, other conventionals routinely monitored, PCBs and heavy metals	Downloaded from: http://www.pca.state.mn.us/water/milestone-sites.html
University of Minnesota	Robert Megard	Light extinction parameters	1994-2005	Lake Pepin	Water Chemistry, Secchi Depth, Water Transparency, Light extinction.	Dr. Megard used USACE data as well as recent MCES data to investigate light extinction on Lake Pepin.
USGS	NWISWeb Data for the Nation	Water Quality Data	1985-2005	Mississippi River at Nininger, LD2, below LD2, LD3, and at Red Wing. Minnesota River at Fort Snelling	Water quality – N, P, Temp, other	http://waterdata.usgs.gov/nwis Stations 5331570, 5331578, 5331580, 5344980, 5355250, 5330920