

	Program/Reports	Predominant Data Type	Rank
1	"The Nemadji River System" by Eugene Surber (1925)	Stream and air temperature, flow measurements, other stream observations	N/A
2	"1950 Nemadji River Survey" by Jerome Huehn prepared for MN Dept. of Conservation (1950)	Water chemistry data (no turbidity or TSS), flow conditions, stream conditions, stream and air temperature, fish counts.	N/A
3	"Blackhoof River Stream Improvement Project" by O.M. Jarvepana, Minnesota Department of Conservation (1953)	Information on streambank stabilization and fish habitat improvement work on the Blackhoof River.	N/A
4	"Report on Red Clay Deposits, Carlton County" by Department of Iron Range Resources and Rehabilitation (1963)	Mineralogical and textural character of glacial clay samples from holes drilled in Carlton County.	N/A
5	"Report on Classification and Establishment of standards of Water Quality and Purity for the Nemadji River and Tributaries Carlton and Pine Counties" by MN Dept. Health prepared for MN Water Pollution Control Commission (1966)	Water chemistry data (includes turbidity and TSS), bottom fauna samples, physical observations, and bacteriological analysis.	3
Red Clay Project			
6	"Nemadji River Erosion and Sedimentation Control Project" prepared by the Onanegozie RC&D(MN) and the Pri-Ru-Ta RC&D (WI) sponsored by Carlton County SWCD and Douglas County SWCD	Project proposal seeking funds to develop a plan to correct or abate erosion issues in the Nemadji River basin.	N/A
7	"Erosion and Sedimentation in the Lake Superior Basin" reported by Red Clay Interagency Committee (1972)	Stream bank erosion surveys for WI portions of red clay area only. Other information on land use in WI portion of red clay area.	3
8	"Second Annual Report, Red Clay Project" reported by Soil Conservation Service (1976)	Soil survey, roadside erosion survey plans, flow monitoring, groundwater investigation, and daily sediment monitoring. Summary of report on effects of erosion on aquatic life in the Nemadji River and tributaries.	3
9	"Impact of Non Point Pollution Control on Western Lake Superior-Red Clay Project Work Plan" prepared for EPA(1976)	Erosion data collection on Skunk Creek and Balsam Creek (Wisconsin).	3
10	"Red Clay-EPA Project" by T.J. Weix and P.S. Whiteside, SCS presented at the 1977 Technical Conference, Northland College, Ashland, WI	Dutch Cone Pentrometer and Clay Flocculation Studies.	N/A
11	"Five County Roadside/Streambank Red Clay Erosion Study-Phase I" by Center for Lake Superior Environmental Studies-UW Superior (1978)	Includes erosion locations, dimensions, type, control needs and causes.	3
12	"Five County Roadside/Streambank Red Clay Erosion Study-Phase II" by Center for Lake Superior Environmental Studies-UW Superior (1978)	Maps of erosion locations and analysis of erosion data with additional data collection of target areas.	3
13	"Red Clay and Its Transport to Lake Superior" prepared for EPA (1979)	Use of Landsat imagery to determine relative magnitude of sediment sources. Includes suspended sediment data collected on the Nemadji River.	3
14	"Red Clay Project: Impact of Nonpoint Pollution Control on Western Lake Superior-Final Part II" prepared for EPA (1980)	Final reports on research conducted by UW-Superior, Center for Lake Superior Environmental Studies. Includes turbidity and stream velocity data. Also includes roadside and stream bank erosion report and vegetation analysis.	3
15	"Red Clay Project: Impact of Nonpoint Pollution Control on Western Lake Superior-Final Part III" prepared for EPA (1980)	Evaluation of erosion and sediment control project and monitoring reports for water quality, bedload transport and meteorological monitoring. Flow and suspended sediment data collected on Deer Creek, Skunk Creek, and Elim Creek.	3
16	"Impact of Non Point Pollution Control on Western Lake Superior-Red Clay Project Final Report: Summary" prepared for EPA(1980)	Presents findings, conclusions, and recommendations of study.	N/A
17	"Best Management Practices-Pictorial Review" prepared by D.S. Houtman, Wisc. BSWCD for EPA (no date)	Pictures and brief explanations of erosion control practices, includes Skunk Creek Hwy 103 structure and Hanson Dam.	N/A
18	"The Red Clay Project in Minnesota" by J.F.Ourada and W.L. Scheib, SCS presented at the 1983 Winter Meeting American Society of Agricultural Engineers	Technical discussion of Hansen and Elim dams and Skunk Creek Cty Rd 103 road stabilization project.	N/A
19	"Results of 1992 Private Well Testing Program in the Nemadji River Watershed Carlton, County, MN" reported by Carlton County SWCD	Wells tested for depth, coliform bacteria and nitrate levels.	N/A
20	"Erosion-Sedimentation and Nonpoint Pollution in the Nemadji Watershed: Status of Our Knowledge" by Gregory Banks and Kenneth Brooks (1992)	Assessment of success of Red Clay Project. Turbidity, TSS, and flow data collected at Deer Creek, Skunk Creek, and Elim Creek Data found in STORET.	2
21	"Impacts of the Nemadji River Spill" by Jopke and Patterson-Wisconsin DNR, Water Resources Management (1994)	Documentation of biological impacts in river and surrounding area, including animal deaths. Water chemistry data, including benzene concentrations.	N/A
22	"Soil Mass Movement in the Nemadji River Watershed" by Wayne Wold (1994)	Suspended sediment and discharge data Deer Creek. Correlation between turbidity and suspended sediment concentrations. Land cover characteristics. Assessed number of beaver dams and slumps.	3

23	“Analysis of Soil Mass Wasting in the Nemadji River Watershed” by Wayne Wold, Lloyd Queen, and Kenneth Brooks (1994)... followup report“Assessing Cumulative	Continuation of previous report. Includes GIS database for nine subwatershed.	N/A
24	“Land Use Impacts on Stream Channel Processes in the Nemadji Watershed” by Mark Reidel (1998)	Stream flow, channel hydraulics, slump inventory, and land use.	2
Nemadji River Basin Project (NRBP): PHASE I			
25	“Nemadji River Basin Project Executive Summary Report: Erosion and Sedimentation in the Nemadji River Basin” completed by Natural Resources Conservation Service and U.S. Forest Service (1998) (Summary of 1999 final document.) “Erosion and Sedimentation in the Nemadji River Basin- Nemadji River Basin Project Final Report” completed by Natural Resources Conservation service and U.S. Forest Service (1999) (Phase I)	Document includes STORET data review. Summarizes and interprets past data and establishes goals of Phase II.	N/A
26	“EPA 319 Final Report” submitted by Carlton County SWCD (2003) (May relate to 1999 work plan if funded separately and prior to Phase II)	Outlines accomplishments of 1999-2000 workplan. Completed forest inventory GIS project. Delay in funding resulted in no monitoring in 2000.	N/A
Nemadji River Basin Project (NRBP): PHASE II			
27	“Nemadji River Watershed Workplan for 319 Grant” completed by Carlton County Water Plan Coordinator, Brian Hayden (1999) (likely Phase II application per Greg Johnson)... “Nemadji River Basin Project Phase II Workplan” sponsored by Carlton County Water Plan Advisory Committee (2000-2002) project workplan for actual phase II	Workplan for 319 grant outlines objective of workplan for 2000-2002. Phase II workplan includes monitoring plan for 2000-2002. Four types of monitoring: hydraulic, water quality, macro invertebrate, and fisheries/biological monitoring. Includes QAPP.	N/A
28	“Nemadji River Basin Project Final Report for 2001 319 Partnership Grant” submitted by Carlton County Water Management Plan Coordinator	Outlines accomplishments of NRBP 2001. Completed GIS project inventorying Red Clay dam sites. Flow and water quality monitoring (found in STORET) includes TSS data for Deer Creek and N. Fork Nemadji River.	1
29	“319A 2003 Final Report” submitted by Carlton County Water Management Plan Coordinator	Outlines accomplishments of NRBP 2002. Flow and water quality monitoring (found in STORET) includes TSS data for Deer Creek, N. Fork Nemadji River, and Rock Creek.	1
30	“Nemadji River Basin Plan Clean Water Partnership Phase II Continuation Work Plan” sponsored by Carlton County Soil and Water Conservation District (2004-2006)	Outlines plan for project for the years 2004-2006. Includes monitoring plan for Oct. 2003-Sept. 2006 and QAPP.	N/A
31	“Nemadji River Basin Project Final Report for the CWP Continuation Project 2007” submitted by Carlton County SWCD (2007)	Outlines accomplishments of NRBP 2003-2007. Includes flow and water quality monitoring for various years of reporting period (found in STORET) includes TSS and some turbidity data for Rock Creek, Clear Creek (no turbidity data), Deer Creek, and N. Fork Nemadji River.	1
32	“Nemadji River Basin Sediment Transport Modeling for Two Subwatersheds” by Biard and Associates completed for US Army Corps of Engineers (2000)	Surface water model providing sediment budget information for the Nemadji River Basin based on data from Deer Creek and Skunk Creek.	3
33	“Land Use Impacts on Fluvial Processes in the Nemadji River Watershed” by Mark Reidel, Sandy Verry, and Kenneth Brooks (2002)	Stream metric evaluation. Study sites were N. Fork Nemadji River, Deer Creek, Skunk Creek, and Blackhoof River. Four study sites for channel metrics were chosen for each stream.	2
34	“Nemadji Watershed Erosion Survey 2001/2002” completed by MN DNR	Helicopter photos of stream erosion sites on Blackhoof River, N. Fork Nemadji River, Net Creek, Little Net Creek, and S. Fork Nemadji River hotlinked to aerial photo base map.	3
35	“Lake Superior Basin Plan-Examining the Relative Health of Watersheds” reported by MPCA (2003)	General characteristics of watersheds in Lake Superior Basin.	N/A
36	“Channel Stability Across Scale in the Nemadji River Basin” by Joe Magner (2004)	Study established new study sites in addition to Reidel’s work (see “Land Use Impacts on Stream Channel Processes in the Nemadji Watershed” by Mark Riedel (1998) above).	2
37	“LakeSuperiorStreams: Community Partnerships For Understanding Water Quality and Stormwater Impacts at the Head of the Great Lakes” (http://lakesuperiorstreams.org). University of Minnesota-Duluth, Duluth, MN 55812 Authors: Axler, R., M. Lonsdale, C. Hagley, G. Host, J. Reed, J. Schomberg, E. Ruzycki, N. Will, B. Munson, and C. Richards (2005)	Provides river description, maps, pictures, and links to data and other related websites.	N/A
38	“Deer Creek Groundwater Seepage” by Howard Moores and Nigel Wattrus (UMD) (2005)	Groundwater seepage investigation on Deer Creek.	3

39	“Stream Bank Stability Assessment in Grazed Riparian Areas” by Mark Reidel, Kenneth Brooks, and Elon Verry (2006)	Assesses stream bank stability in grazed riparian areas along Deer Creek using Pfankuch method and mechanical estimates.	2
40	“Predicting stream channel erosion in the lacustrine core of the upper Nemadji River, Minnesota (USA) using stream geomorphology metrics” by Joe Magner and Kenneth Brooks (2007)	Use of stream geomorphology metric information obtained at past study locations to predict stream channel erosion in the upper portion of the Nemadji River.	2
41	MnDNR Survey and Population Assessment History Report and Interview -Minnesota DNR-Fisheries (7/16/08)	Fish counts, temperature data, some chemistry monitoring, stream sediment source information and physical stream information on all subwatersheds of the Nemadji River Basin within the last 60 years.	N/A
42	WisDNR SWIMS Report for the Nemadji River and Interview -Wisconsin DNR-Superior Office (10/3/08)	Chemistry and flow information for Nemadji River, Wisconsin	2
43	Precipitation data sources: State Climatology Office-DNR Waters, Western Lake Superior Sanitary District, Cloquet Forestry Center	Precipitation data available in several areas within and surrounding watershed.	2