

Appendix B

STORET Project Establishment Form

CWP and Other Project Establishment Form for Data Storage in STORET

Sampling year: 2002__

Bold indicates required field.

Project Information

Project ID (assigned by MPCA data management staff) _____

Project Name (e.g. Pelican River Watershed District CWP): District Monitoring_____

Project Purpose (Indicate monitoring type: Condition, Effectiveness, or Problem Investigation, and explain) This project is the Red Lake Watershed District’s District Monitoring project. The sites listed below are either current sites, or have been sampled later than 1990. The sampling is being done for both baseline and diagnostic purposes, depending on the site. At the current district monitoring sites, samples are collected quarter annually around the dates of January 25th, April 25th, July 25th, and October 25th. A Quality Assurance Manual was created for the watershed district’s monitoring program on April 15th, 1991. In April of 1992, the Minnesota Department of health certified the laboratory at the University of Minnesota Crookston as a Water Quality Laboratory. Since 1998, samples have been sent to RMB Environmental Laboratories in Detroit Lakes.

Start Date (e.g. 10/1/02) Spring 1984 **Planned Duration** (e.g. 4 years) 1 year – with continued sampling for some sites

Lead Organization Name: Red Lake Watershed District_____

Project Manager:

Name: Corey Hanson_____ Organization: Red Lake Watershed District_____

Address 102 North Main Avenue, P.O. Box 803, Thief River Falls, MN 56701_____

Phone 218-681-5800_____ E-mail coreyh@wiktel.com_____

Data Manager:

Name Stephanie Hanson_____

Organization Red Lake Watershed District_____

Address 102 Main Avenue North, P.O. Box 803, Thief River Falls, MN 56701_____

Phone 218-681-5800_____ E-mail stephanieh@wiktel.com_____

PCA Project Contact Michael Vavricka_____

Sampling Personnel:

First Name	Last Name	Organization
Corey	Hanson	Red Lake Watershed District
Stephanie	Hanson	Red Lake Watershed District

Sample Medium (e.g. water column, bed materials, fish tissue) Water Column_____

Laboratory Information

→ Please provide a completed Laboratory Information Form.

Laboratory Name RMB Environmental Laboratories_____

Address 22796 County Hwy 6, Detroit Lakes, MN 56501_____

Contact Name Bob Borasch_____

Phone 218-846-1465 E-mail none

Field Procedure Information

→ Please provide a monitoring plan with standard operating procedures (SOP's) in electronic form if possible.

Sample Collection Method(s) and Gear(s) (e.g. grab with weighted bucket)

Kemmerer Sampler or grab sample

Field Measurements – Standard Methods, Instrumentation, Units, and Minimum Detection Limits (e.g. pH, spec. cond., temp., and DO with Hydrolab; transparency with t-tube)

Field with Hydrolab: pH, Temperature, Dissolved Oxygen, Conductivity;

RMB Environmental Laboratories: Alkalinity, Chemical Oxygen Demand, Total Dissolved Solids, Total Suspended Solids, Fecal Coliform Bacteria, Nitrogen (Ammonia), Total Kjeldahl Nitrogen, Nitrate and Nitrite Nitrogen, Ortho Phosphorus, Total Phosphorus

Citation for Project Plan

Title _____
 Author _____ Publishing Organization _____
 Publication Year _____ Volume and Page No. _____

Stations To Be Visited and Establishment Status

(e.g. BE-0, yes, S000-134, Blue Earth River at Mouth in Sibley Park, Mankato; BL-3.5, no, (blank), Blue Earth R at Hwy 169, Mankato)

Project Station Code	Established ?	STORET Station ID	Location Description
#75	No		Red Lake River, Seven miles south of Goodridge, CR #24 bridge
#128		RLR001	Clearwater River, County Road #25 bridge near Bagley
#66	No		Red Lake River, First Street bridge in the city of Thief River Falls
#740		RLI004	Red Lake River, Fifteen miles northwest of the city of Red Lake, Lower Red Lake outlet, Highway #1 bridge
#790	No		Red Lake River, Sampson bridge in the city of Crookston
O-6		RLR002	Clearwater River, Just east of Bagley, on the Highway #2 bridge
63	Yes	2704B1	Mitchell/Badger lakes channel, One mile northwest of Erskine, Highway #2 bridge
53-I	No		Two miles south of Mentor, CR #10 bridge, Maple Lake Inlet by public access
Bee Lake Inlet	No		One mile southwest of Erskine, CR #37 bridge
53-O	No		One mile south of Mentor, CR #10 bridge, Maple Lake Outlet
59		2704A1	One mile north of Erskine, township road bridge, Badger Lake Inlet
50-I	No		Lost River, five miles southwest of Gonvick, Pine Lake inlet, township road bridge
109	No		Poplar River, six miles northeast of Erskine, township road bridge

#133	Yes	RLR021	Walker Brook, southeast edge of Bagley, CR #19 bridge
50-O	Yes	RD181	Lost River, two miles south of Gonvick, township road bridge
799	No		Burnham Creek, two miles southwest of Crookston, township road bridge
797	Yes	RLR007	Ruffy Brook, three miles north of Clearbrook, township road bridge
81	No		Silver Creek, two miles northeast of Gonvick, CR #111 bridge
780	Yes	RLR010	Clearwater River, small bridge adjacent to the railroad in the city of Plummer
Murray Bridge	No		Red River, on the border of Minnesota and North Dakota, between Grand Forks and East Grand Forks, Murray bridge
37	Yes	RLR011	Clearwater River, ten miles north of Trail, CR #96
760	No		Thief River, four miles north of Thief River Falls, township road bridge
40	No		Thief River, six miles east of Holt, CR #7 bridge in Agassiz Wildlife Refuge
757	No		Mud River, seven miles northwest of Grygla, Highway #89 bridge
114	No		Mud River, ten miles northeast of Grygla, CR #44 bridge
15	No		Moose River, sixteen miles northwest of Grygla, Highway #89 bridge
98	No		Thief River, thirteen miles northeast of Middle River, Highway #49 bridge
826	No		Grand Marais River, three miles north of East Grand Forks, Highway #220 bridge
62	Yes	RLR017	Poplar River, two miles west of Brooks, Highway #92
782	Yes	RLR015	Lost River, CR #5 bridge in the city of Oklee
NEB-2	No		Mud River, Highway #1 bridge in Redby
785	Yes	RD208	Clearwater River, Klondike bridge in the city of Red Lake Falls
#131	Yes	RLR004	Clearwater River, four miles northeast of Leonard, CR #24 bridge, also a Clearwater Lake Water Quality Model sampling site.
#52	Yes	RLR005	Clearwater River, seven miles northeast of Leonard, CR #4 bridge, Clearwater Lake dam, also a Clearwater Lake water Quality Model sampling site.

Data Format for Submission to Data Management Unit:

Field data paper electronic file
 Lab results paper electronic file

Comments about data submission plans: _____

(Discuss format with the Data Management Team)

Other Information that can be submitted and stored:

- Project Study Area – Clearwater River Watershed up to the Clearwater Lake outlet
- Design and Sampling Frequency – quarter annually, lab certification began in
- Contact information for complete information
- QA Plan Summary
- Programs associated with this Project – Clearwater Lake Water Quality Model, Clearwater Lake Management Plan, Red River Watershed Assessment Protocol, Clearwater Nonpoint Study, Conservation Practices (Buffer Strips) Project
- Cooperating Organizations – Beltrami SWCD, MPCA