

Instructions are at the end of the form

Project information

Local partner: Sherburn SWCD Contact name: Dan Cibulka
 Contact phone number: 763-220-3434 Budget amount: \$79,062.19
 Contact email: dcibulka@sherburneswcd.org
 Project title: Mississippi River St. Cloud Intensive Watershed Monitoring 2019-2020
 Reporting time period: Start date (mm/dd/yyyy): 3/4/2019 End date (mm/dd/yyyy): 12/31/2020

Section I – Workplan

- 1. Were the following deliverables submitted to the Minnesota Pollution Control Agency (MPCA) by the due dates listed within your workplan?**

Quality Assurance Project Plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date submitted (mm/dd/yyyy):	<u>3/19/2019</u>
Field and Laboratory Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date submitted (mm/dd/yyyy):	<u>10/27/2020</u>
Stream Photos (If applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date submitted (mm/dd/yyyy):	<u>10/27/2020</u>
Interim Progress Report	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date submitted (mm/dd/yyyy):	<u>12/31/2019</u>

- 2. Describe progress monitoring each of your stream and/or lake sites over the course of the entire time period. Complete Table 1 describing the number of scheduled samples, by parameter, and indicate the number of samples actually collected (include QA/QC sampling).**

In the comments field of Table 1, provide details regarding missed sampling events, noteworthy or adverse site conditions (i.e. drought or low flow, upstream construction, high waterfowl activity, beaver impoundments, or feedlot activity), field meter malfunction, sampling errors, or flagged laboratory samples (holding time or temperature exceedances). Add rows as necessary by placing cursor in the last row of last column and hit tab.

Table 1. Monitoring summary

Site ID#	Scheduled sampling		Actual sampling		Comments
	Parameter	No.	Parameter	No.	
Fremont 71-0016-00-202	TP, Chl-a, Secchi, DO, pH, Temp, SPC	10	TP, Chl-a, Secchi, DO, pH, Temp, SPC	10	
Birch 71-0057-00-203	TP, Chl-a, Secchi, DO, pH, Temp, SPC	10	TP, Chl-a, Secchi, DO, pH, Temp, SPC	10	
Eagle 71-0067-00-204	TP, Chl-a, Secchi, DO, pH, Temp, SPC	10	TP, Chl-a, Secchi, DO, pH, Temp, SPC	10	
Tibbets S005-538	TSS, TP, Chloride, Hardness, E. coli, Secchi, DO,	18	TSS, TP, Chloride, Hardness, E. coli, Secchi, DO,	18	Chloride and hardness only sampled in May

	pH, Temp, SPC		pH, Temp, SPC		
Elk S000-278	E.coli, Chl-a, Secchi, DO, pH, Temp, SPC	14	E.coli, Chl-a, Secchi, DO, pH, Temp, SPC	14	
Snake S003-006	TSS, TP, Chloride, Hardness, E. coli, Secchi, DO, pH, Temp, SPC	18	TSS, TP, Chloride, Hardness, E. coli, Secchi, DO, pH, Temp, SPC	18	Chloride and hardness only sampled in May
Rice S001-523	TSS, TP, Chloride, Hardness, E. coli, Secchi, DO, pH, Temp, SPC	18	TSS, TP, Chloride, Hardness, E. coli, Secchi, DO, pH, Temp, SPC	18	Chloride and hardness only sampled in May
Elk S001-522	E.coli, Secchi, DO, pH, Temp, SPC	6	E.coli, Secchi, DO, pH, Temp, SPC	6	
St. Francis S005-582	TSS, TP, Chloride, Hardness, E coli	18	TSS, TP, Chloride, Hardness, E coli	18	Chloride and hardness only sampled in May
Battle S004-704	TSS, TP, Chloride, Hardness, E coli	18	TSS, TP, Chloride, Hardness, E coli	18	Chloride and hardness only sampled in May
Betsy 47-0042-00-201	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	12	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	12	2019: QA/QC sample taken in Sept for TP, missed Chloride and Hardness testing in August. Field data missing from July. 2020: Chloride and Hardness samples to make up for missed samples in 2019. TP & Chl-a collected each month as part of the regular CRWD monitoring program (not paid for with SWAG funds).
Clear 47-0095-00-202	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	24	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	22	2019: Missed Chloride and Hardness testing in August. Field data missing from July. 2020: Approved for additional sampling in 2020. Chloride and Hardness samples collected to make up for missed samples in 2019. TP & Chl-a, field parameters collected each month. Conductivity rather than SPC collected in August 2020.
Louisa 86-0282-00-204	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	12	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	12	2019: Missed Chloride and Hardness testing in August. Field data missing from July. Missed TP & Chl-a samples, field data in Sept 2019. 2020: Chloride & Hardness collected in August; TP & Chl-a and field data collected in September to make up for missing data in 2019.
Marie 73-0014-00-201	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	12	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	12	2019: Missed Chloride and Hardness testing in August. Field data missing from July. Missed TP & Chl-a samples, field data in Sept 2019. 2020: Chloride & Hardness collected in August; TP & Chl-a and field data collected in September to make up for missing data in 2019.

Cedar 86-0227-00-210	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	24	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC		2019: QA/QC sample taken in Sept for TP, missed Chloride and Hardness testing in August. Field data missing from July. 2020: All samples collected plus make up samples for those missed in 2019. Meter malfunction in May with DO, Conductivity rather than SPC collected in August 2020.
Clearwater East 86-0252-01-213	TP, ChlA, Chloride, Hardness, Sulfate, Secchi, DO, pH, Temp, SPC	34	TP, ChlA, Chloride, Hardness, Sulfate, Secchi, DO, pH, Temp, SPC		2019: QA/QC sample taken in Sept for TP, missed Chloride and Hardness testing in August. Field data missing from July. Sulfate not collected in June. 2020: All samples collected plus make up samples for those missed in 2019. Conductivity rather than SPC collected in August 2020. Sulfate only collected in June 2020. *Original work plan states sulfate samples should be collected each month in 2020 but was only done in June to make up for the missing one in 2019. Could not find notes explaining why it wasn't collected in 2020.*
Clearwater West 86-0252-02-207	TP, ChlA, Chloride, Hardness, Sulfate, Secchi, DO, pH, Temp, SPC		TP, ChlA, Chloride, Hardness, Sulfate, Secchi, DO, pH, Temp, SPC		2019: QA/QC sample taken in Sept for TP, missed Chloride and Hardness testing in August. Field data missing from July. Sulfate not collected in June. 2020: All samples collected plus make up samples for those missed in 2019. Conductivity rather than SPC collected in August 2020. Sulfate only collected in June 2020. *Original work plan states sulfate samples should be collected each month in 2020 but was only done in June to make up for the missing one in 2019. Could not find notes explaining why it wasn't collected in 2020.*
Augusta 86-0284-00-201	TP, ChlA, Chloride, Hardness, Sulfate, Secchi, DO, pH, Temp, SPC		TP, ChlA, Chloride, Hardness, Sulfate, Secchi, DO, pH, Temp, SPC		2019: Missed Chloride and Hardness testing in August. Field data missing from July. 2020: Approved for additional sampling in 2020. Chloride and Hardness samples collected to make up for missed samples in 2019. TP & Chl-a, field parameters collected each month. Conductivity rather than SPC collected in August 2020.
Union 86-0298-00-201	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	14	TP, ChlA, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	14	2019: Missed Chloride and Hardness testing in August, field data missing in July 2019. 2020: Missing samples collected in 2020.
Mayhew Creek S002-946	TP, Chl-a, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	9	TP, Chl-a, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	9	
Elk River S005-539	TP, Chl-a, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	9	TP, Chl-a, Chloride, Hardness, Secchi, DO, pH, Temp, SPC	8	2020: Didn't get samples one day because flow was too low

3. Were you successful in fulfilling the measures for success using the methods detailed within your workplan?

Yes, each partner successfully completed their tasks as outlined in the workplan. All fourteen lakes and nine stream sites were sampled during the 2019 and 2020 field seasons. All deliverables were submitted by the November 1st deadline to the MPCA project manager.

4. Were there any changes to your workplan that were specific to staff and/or monitoring locations? If yes, describe the related change order(s).

Change order was made 5/3/2019:

Rice creek monitoring location was moved from S007-006 to S001-532.

Section II – Participants in project

5. Complete Table 2 if volunteers were involved with lake and/or stream monitoring.

Tennessee warning: Pursuant to Minn. Stat. § 13.43, information you are asked to provide is classified as private data on individuals as described in Minn. R. 1205.0200, subp. 9, Minn. R. 1205.0400 and Minn. Stat. § 13.02, subd. 12 (home contact information). You are not legally required to submit private citizen data; however, if provided, the MPCA will contact and invite citizens to join the Citizen Monitoring Program (CMP) at the conclusion of your agreement. All private citizen information is kept secure and is not released to parties or individuals outside of SWAG or CMP.

Table 3. Volunteer contact information

Waterbody	Site ID#	Contact name	Address	Telephone	Email address

Section III – Budget

6. Were there any changes to your budget or equipment and supplies list? If yes, describe the related change order(s) and/or amendments.

Change order was made 5/8/2020:

1. 30 hours (\$1,284.08) shall be moved from Sherburne SWCD District Tech.
2. 30 hours (\$1,642.67) shall be moved from Sherburne SWCD Water Resource Specialist
3. 30 hours (\$1,950.000) shall be moved from Clearwater WO District Engineer
4. \$389.65 shall be moved from equipment and supplies
5. 15 hours (\$948.90) shall be moved to Sherburne SWCD District Administrator
6. 75 hours (\$3,000.00) shall be moved to Clearwater WO Field Technician
7. \$1,017.50 shall be moved to Laboratory analyses
8. \$300.00 shall be moved to shipping/courier

Adding a second year of monitoring for Augusta, Clear, Fremont, Birch and Eagle Lakes. In addition, monitoring on Marie, Louisa, Betsy, and Union Lakes for parameters missed in 2019.

Change order was made 11/6/2020:

1. 20 hours (\$878.00) shall be moved from Sherburne SWCD District Technician.
2. 65 hours (\$4,225.00) shall be moved from Clearwater River WO District Engineer
3. \$622.00 shall be moved from Mileage
4. \$5,725.00 shall be moved to Equipment and supplies with the following distribution.

\$2,085.00 for the purchase of a DSS - 30 meter cable assembly

\$1,000.00 for the purchase of a P ro DSS ODO Probe

\$700.00 for the purchase of a conductivity probe

\$575.00 for the purchase of a pH/ORP probe

\$1,365.00 added to Supplies

Staff changes resulted in an updated FTE of 0.52