

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: North_TWA_6_2017

Name: Montreal River Targeted Watershed Assessment, Iron County, 2017-2018-2019

Type: Targeted Watershed Approach

Subtype: Protection (Healthy or Vulnerable)

Status: ACTIVE

Start Date: 7/1/2017

End Date: 12/31/2019

Purpose: The Montreal River HUC 10 is a forested watershed in north eastern Iron County. It originates at the outlet of Pine Lake and flows northerly to Lake Superior. The Montreal River forms the border of Wisconsin and the Upper Peninsula of Michigan about 5 miles North of the outlet of Pine Lake. The Cities of Hurley and Ironwood Michigan are within the watershed. The watershed contains an iron formation that has been mined historically.

The reason this watershed was selected for a TWA is because Iron County and LaPointe Minerals are interested in obtaining background water chemistry data in the watershed. and Department staff have an opportunity to work in conjunction with Iron County to obtain baseline data. LaPointe Minerals through their consultant, Global Minerals, has drafted a monitoring plan that includes collection some nutrient, anion and cation data at 4 sites and has offered funding to Iron County to collect these data for 5 years. Department staff would like to collect low level metal water sample data and flows at these same sites in conjunction with their project.

The Montreal Rivers HUC 10 is comprised of 7 HUC 12 watersheds. This area is too large to monitor in a single year and the 4 water chemistry sites are in different HUC 12 watersheds. There is limited fisheries and aquatic macroinvertebrate data available for the watershed. A map review suggests there are about 40 or more sites that should be sampled to thoroughly assess the biological communities in the Montreal River and its tributaries. This project will likely extend for 2 years or more depending on staff availability. A general description of the who, what, when, where, and how for the project.

Objective: The project objective is to characterize biological community and habitat of the Montreal River Watershed and its tributaries. A second objective is to collect low level metal, nutrient, cation and anion data in conjunction with an Iron County monitoring project. This project is located in HUC10 0401030201.

Comments: New may extend 2 years or more-continuing into 2018 field season

Outcome: Data will be entered into SWIMS and the FHDB by Spring of 2018 by Jeff Jackson or Joe Cunningham. A final watershed report will be written and entered into SWIMS this may be completed as a watershed planning report. If this project continues for more than 1 year the report writing will occur during the winter after the last year of the project. The water chemistry sampling will provide a comparison to Provide a summary sentence describing the project outcome. Identify project deliverables.

Study Design: There will be 4 water chemistry sample sites with water samples collected 6 times May through October. for a total of 24 sampling events,

There will be 10 surveys for Fish and Qualitative Habitat, and 10 Macroinvertebrates samples collected using standard WDNR sampling protocols, these will include the water chemistry sites but those surveys may not be completed in the sample calendar year. Additional fish surveys may be completed as time allows. We will concentrate on one or two HUC 12 areas in a calendar year.

2017 field season, streams in the headwaters of the WF Montreal Watershed were surveyed.

2018 field season, streams in the headwaters of the Montreal watershed will be surveyed. Anticipate 10 sites for fish surveys and macroinvertebrate samples. Change in water sampling to one site monthly May-October for Nutrients, Cations, Anions, LL metals. DOC and flow.

2019 field season, streams in the DS reaches of the WF Montreal and Montreal River Watershed will be surveyed. Anticipate 10 sites for fish surveys and macroinvertebrate samples. Change in water chemistry sampling to a small clear-water tributary to the WF of the Montreal River just North of Hurley and small "stained water" tributary to the WF Montreal River with similar watershed sizes. Monthly sampling May-October for Nutrients, Cations, Anions, LL metals. DOC and flow.

Fish and Macroinvertebrate Sites TBD

QA Measures: Standard WDNR protocols will be followed. A Blank will be collect after 10 low level metal sampling events. .

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| People | | | | | | |
|----------------------|--------------|----------|------------|------------|------------------|----------|
| Name | Role | Status | Start Date | End Date | Organization | Comments |
| AARTILA, THOMAS P | SUPERVISOR | COMPLETE | 1/1/2017 | 6/30/2018 | Wisconsin DNR | |
| CUNNINGHAM, JOSEPH L | COORDINATOR | ACTIVE | 1/1/2017 | 6/30/2018 | Wisconsin DNR | |
| DeNasha, Shaina | DATA_ENTRY | ACTIVE | 9/19/2018 | | UW-Stevens Point | |
| Helmuth, Lisa D | COORDINATOR | INACTIVE | 11/23/2019 | 12/28/2022 | Wisconsin DNR | |
| JACKSON, JEFFREY L | COORDINATOR | ACTIVE | 1/1/2017 | 6/30/2018 | Wisconsin DNR | |
| KLEIST, JON J | PROJECT_LEAD | ACTIVE | 7/1/2017 | 6/30/2018 | Wisconsin DNR | |
| KLOSIEWSKI, James M | COORDINATOR | ACTIVE | 1/1/2017 | 6/30/2018 | Wisconsin DNR | |

| Project Statuses | | | |
|------------------|-------------|---------------------------|--|
| Date | Reported By | Status | Comments |
| 2/1/2018 | JON KLEIST | Progress: 25-50% Complete | The plan was to break this HUC 10 watershed into 3 sub-watersheds and survey 1 per year. Field work completed in 2017 included 15+ fish surveys in the headwaters of the West Fork Montreal Watershed. 2 Sites completed DS of the Gile Flowage. 10 Bug samples kicked. Water Chemistry Sampling including LL metals at 4 sites monthly May-October. Plan for 2018 is to complete at least 10 sites in the headwaters of the Montreal River Watershed from Pine Lake DS to Hurley. |

| Project Status Detail | |
|--|--|
| Answer Set: DEFAULT | |
| Question | Answer |
| 1. Number of Sample Sites (Enter the station IDs if you know them). | 10 plus 4 water chemistry sites |
| 2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project). | 24 water chem sampling events and 20 trips to the field for biological work approximately |
| 3. Proposed Dates for Sample Collection | May through December 2017 |
| 4. List applicable databases and who will enter data? | SWIMS, FHDB data entered by Joe Cunningham or Jeff Jackson |
| 5. Did you receive competitive projects funding in the previous year? | Yes |
| 6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not? | Yes and other local needs project was resubmitted this year because weather did not allow for project completion |
| 7. Reviewer Notes: Identify questions or issues with project (use during review period) | |
| 8. Reviewer Decision: Is this project recommended for funding? | |

| Actions | | | | |
|--------------------------------------|---|------------|-----------|----------|
| Action | Detailed Description | Start Date | End Date | Status |
| Monitor Water Quality or Sediment | The project objective is to characterize biological community and habitat of the Montreal River Watershed and its tributaries. A second objective is to collect low level metal, nutrient, cation and anion data in conjunction with an Iron County monitoring project. | 5/1/2017 | 6/30/2018 | PROPOSED |
| Monitor Healthy or Vulnerable Waters | | 5/1/2017 | 6/30/2018 | PROPOSED |

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|---------------------------------------|------------------------------|----------|-----------|----------|
| Monitor Targeted Watershed Area (TWA) | | 5/1/2017 | 6/30/2018 | PROPOSED |
| Water Quality Planning | Montreal River Watershed TWA | 5/1/2017 | 6/30/2018 | PROPOSED |
| Monitor Fish Community | | 6/1/2017 | 6/30/2018 | PROPOSED |

Monitoring Stations

| Station ID | Name | Comments |
|------------|---|----------|
| 10032145 | Black Creek on Spring Camp Road | |
| 10043205 | Boomer Creek at Old HWY 10 | |
| 10047691 | Boomer Creek at Wall Street Road | |
| 10047693 | Boomer Creek off of snowmobile trail | |
| 10039078 | E. Fk. Montreal River - Upstream of Riverside Dr. (Sec. 28) | |
| 10032146 | East Creek on Unnamed Road in Iron County Forest | |
| 10043214 | Flood Creek at N. River Rd | |
| 10043216 | Flood Creek at W. Kimball Rd | |
| 10031004 | Fourche Creek - Kimball Dr. | |
| 10043236 | Fourche Creek at N Lake Head Rd | |
| 10051583 | Kaari Creek 175 m DS Maki Drive | |
| 10051591 | Kaminski Creek 160 m DS Center Drive | |
| 10032140 | Linnunpuro Creek on County Highway C | |
| 10032141 | Meads Creek on Spring Camp Road | |
| 10048418 | Montreal River Adjacent to STH 51 | |
| 263012 | Montreal River at Cth C | |
| 10049230 | Mud Creek 20m US Island Lake Rd | |
| 10027943 | Potential Ephemeral Pond Id 429 | |
| 10051588 | Unnamed (2942000) trib to WF Montreal R. 130 m DS Park Rd. | |
| 10049233 | Unnamed (2942900) trib to Gile Flowage 115m DS Island lake Rd | |
| 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd | |
| 10049231 | Unnamed (2944100) trib to W. Fork Montreal R. 8m Upstream West Branch Rd. | |
| 10051587 | Unnamed (2947900) trib to Montreal River 110 m DS Mutanen Rd. | |
| 10051592 | Unnamed (2948100) Trib to Laymans Creek 10 m US of footbridge | |
| 10051590 | Unnamed (2949600) Trib to Pine Lake 20 m US Olson Rd | |
| 10051580 | Unnamed (5001983) 150 m DS Center Dr. | |
| 10049234 | Unnamed (5002532) trib to Gile Flowage 8m US Spring Camp Rd | |

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| 10051589 | Unnamed (Kurikka Creek) (2941800) Trib to WF Montreal R. 115 m DS Park Rd | |
| 10044096 | Unnamed Trib to Boomer Creek Upstream of ATV bridge | |
| 10052982 | Unnamed Tributary (2940700) to Montreal River DS CTH B | |
| 10053339 | Unnamed Tributary to Fourche Creek DS Kimball Drive | |
| 10053340 | Unnamed Tributary to Montreal River US Saxon Falls Road | |
| 10051577 | Unnamed trib (2941900) to unnamed waterway 110 m DS Park Rd | |
| 10032136 | Welch Creek (Iron County Forest) | |
| 10022049 | West Fork Montreal River - Kimball At Center Dr | |
| 10049508 | West Fork Montreal River 5m US Unnamed Forest Road | |
| 10049507 | West Fork Montreal River 8m US Unnamed Forest Road | |
| 10032133 | West Fork Montreal River at South Drive | |
| 10029743 | West Fork Montreal River at West Branch Road | |

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|--|--------------------------|
| 2940300 | 3 | Montreal River East Fork | Montreal River |
| 2940300 | 4 | Montreal River East Branch | Montreal River |
| 2940700 | 1 | Unnamed Trib to Montreal R | Unnamed |
| 2940900 | 1 | Unnamed Trib to Superior Falls Flowage | Unnamed |
| 2941200 | 1 | Boomer Creek | Boomer Creek |
| 2941300 | 1 | Fourche Creek | Fourche Creek |
| 2941300 | 3 | Fourche Creek | Fourche Creek |
| 2941500 | 1 | Tributary to Boomer Creek | Unnamed |
| 2941600 | 1 | West Fork Montreal River | West Fork Montreal River |
| 2941600 | 2 | West Fork Montreal River | West Fork Montreal River |
| 2941700 | 1 | Flood Creek | Flood Creek |
| 2941700 | 2 | Flood Creek | Flood Creek |
| 2941800 | 1 | Kurikka Creek | Unnamed |
| 2941900 | 1 | Unnamed | Unnamed |
| 2942000 | 1 | UNT to WF Montreal R | Unnamed |
| 2942300 | 1 | Gile Flowage | Gile Flowage |
| 2942600 | 1 | Unnamed Stream | Unnamed |
| 2942900 | 1 | Unnamed Stream | Unnamed |
| 2943100 | 1 | Linnunpuro Creek | Linnunpuro Creek |
| 2943300 | 1 | Unnamed Stream | Unnamed |

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|---------|---|---------------------------------|----------------|
| 2943500 | 1 | East River | East Creek |
| 2943600 | 1 | Unnamed Trib to East Creek | Unnamed |
| 2944100 | 1 | Unnamed | Unnamed |
| 2944300 | 1 | Mud Creek | Mud Creek |
| 2947500 | 1 | Kaarris Creek | Kaarris Creek |
| 2947700 | 1 | Kaminski Creek (Cominski Creek) | Cominski Creek |
| 2947900 | 1 | Unnamed Trib to Montreal R | Unnamed |
| 2948100 | 1 | Unnamed Trib to Laymans Cr | Unnamed |
| 2949600 | 1 | Trib to Pine Lake | Unnamed |
| 5001983 | 1 | Unnamed Trib to WF Montreal R | Unnamed |
| 5002045 | 1 | Unnamed Trib to Fourche Creek | Unnamed |

Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|--------------------------------|------------|------------|
| WQ002 | TARGETED WATERSHED ASSESSMENTS | 3/26/2014 | 12/31/2099 |

Forms

| Form Code | Form Name |
|----------------------|---|
| INORGANIC | Inorganic Lab - Field Data |
| QUAL_FISH_HAB_LESS10 | Qualitative Fish Habitat Less Than 10 M |
| QUAL_FISH_HAB_MORE10 | Qualitative Fish Habitat More Than 10 M |
| WADEABLE_MACRO_FIELD | Wadeable Macroinvertebrate Field & Habitat Data |

Methods

| Method Code | Method Description |
|----------------------------------|---|
| DNR-FPM-1001.3 | Benthic Invertebrate D-Frame Net, Kick Samples 1988 |
| ELECTROFISHING: BACKPACK SHOCKER | Electrofishing: Backpack Shocker |
| ELECTROFISHING: STREAM SHOCKER | Electrofishing: Stream Shocker |
| DNR-FPM 101.2 | Heavy Metals Clean Sampling Methods 1997 |
| GRAB SAMPLE | Water Grab Sample Guidelines and Procedures 2005 |

Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|-----------------|----------|----------|------------|-------------------------|
| 5/30/2017 12:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 5/30/2017 12:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
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| 5/30/2017 12:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 5/30/2017 12:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 5/30/2017 13:30 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 5/30/2017 13:30 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 5/30/2017 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
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| 5/30/2017 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 5/30/2017 14:30 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 5/30/2017 14:30 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 5/30/2017 14:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/30/2017 14:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/30/2017 14:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
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| 5/30/2017 15:00 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
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| 6/28/2017 12:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/28/2017 12:45 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 6/28/2017 12:45 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 6/28/2017 12:45 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/28/2017 12:45 | COMPLETE | | 263012 | Montreal River at Cth C |
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| 6/28/2017 12:45 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/28/2017 13:30 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 6/28/2017 13:30 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 6/28/2017 13:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |

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|-----------------|----------|-------|----------|---|
| 6/28/2017 13:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
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| 6/28/2017 13:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/28/2017 14:00 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/28/2017 14:15 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/28/2017 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/28/2017 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
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| 7/31/2017 12:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 7/31/2017 12:40 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 7/31/2017 12:40 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 7/31/2017 12:40 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
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| 7/31/2017 13:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/31/2017 14:15 | COMPLETE | BLANK | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/31/2017 14:15 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/31/2017 14:15 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/31/2017 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
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| 8/15/2017 13:15 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
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| 8/15/2017 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/15/2017 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/15/2017 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/15/2017 13:20 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 8/15/2017 13:45 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 8/15/2017 13:45 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
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| 8/15/2017 13:45 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/15/2017 13:50 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 8/15/2017 14:30 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
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| 8/15/2017 15:10 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/27/2017 11:40 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
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| 9/28/2017 10:45 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
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| 9/28/2017 11:05 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
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| 9/28/2017 11:30 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/28/2017 13:25 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/28/2017 13:25 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
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| 10/23/2017 | COMPLETE | | 10032146 | East Creek on Unnamed Road in Iron County Forest |
| 10/23/2017 | COMPLETE | | 10032141 | Meads Creek on Spring Camp Road |
| 10/24/2017 13:10 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 10/24/2017 13:10 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/24/2017 13:10 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/24/2017 13:10 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/24/2017 13:10 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/24/2017 13:15 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 10/24/2017 13:50 | COMPLETE | WFM-1 | 10027943 | Potential Ephemeral Pond Id 429 |
| 10/24/2017 13:50 | COMPLETE | WFM-1 | 10029743 | West Fork Montreal River at West Branch Road |
| 10/24/2017 13:50 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/24/2017 13:50 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|------------------|----------|-------|----------|---|
| 10/24/2017 13:50 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/24/2017 13:50 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/24/2017 14:40 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 10/24/2017 14:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/24/2017 14:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/24/2017 14:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/24/2017 14:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/24/2017 14:55 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 10/24/2017 15:00 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/24/2017 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/24/2017 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/24/2017 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/24/2017 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/24/2017 15:10 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 11/7/2017 | COMPLETE | | 10049230 | Mud Creek 20m US Island Lake Rd |
| 5/29/2018 13:00 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 6/13/2018 12:50 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 6/13/2018 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/13/2018 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/13/2018 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/13/2018 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/13/2018 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/13/2018 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/13/2018 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/13/2018 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/13/2018 14:22 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 6/13/2018 14:22 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/13/2018 14:22 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/13/2018 14:22 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/13/2018 14:22 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/13/2018 14:50 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/13/2018 14:50 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/13/2018 14:50 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/13/2018 14:50 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/13/2018 14:50 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|-----------------|----------|---------------------|----------|---|
| 6/26/2018 11:20 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 7/17/2018 12:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 7/17/2018 13:35 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 7/17/2018 14:00 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/30/2018 | COMPLETE | MR-2/GLB613/SLH-310 | 263012 | Montreal River at Cth C |
| 8/7/2018 13:15 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 8/7/2018 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/7/2018 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/7/2018 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/7/2018 13:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/7/2018 13:45 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/7/2018 13:45 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/7/2018 13:45 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/7/2018 13:45 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/7/2018 14:15 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 8/7/2018 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/7/2018 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/7/2018 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/7/2018 14:15 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/7/2018 14:40 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/7/2018 14:55 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/7/2018 14:55 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/7/2018 14:55 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/7/2018 14:55 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/23/2018 12:45 | COMPLETE | MR-2, GLB-571, 435 | 263012 | Montreal River at Cth C |
| 9/11/2018 13:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 9/11/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/11/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/11/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/11/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/11/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/11/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/11/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/11/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/11/2018 14:50 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|------------------|----------|-------|----------|---|
| 9/11/2018 14:50 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/11/2018 14:50 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/11/2018 14:50 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/11/2018 14:50 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/11/2018 15:10 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/19/2018 14:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 10/2/2018 | COMPLETE | | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 10/2/2018 | COMPLETE | | 10051577 | Unnamed trib (2941900) to unnamed waterway 110 m DS Park Rd |
| 10/2/2018 | COMPLETE | | 10051588 | Unnamed (2942000) trib to WF Montreal R. 130 m DS Park Rd. |
| 10/2/2018 | COMPLETE | | 10051589 | Unnamed (Kurikka Creek) (2941800) Trib to WF Montreal R. 115 m DS Park Rd |
| 10/2/2018 | COMPLETE | | 10051591 | Kaminski Creek 160 m DS Center Drive |
| 10/2/2018 | COMPLETE | | 10051583 | Kaari Creek 175 m DS Maki Drive |
| 10/4/2018 | COMPLETE | | 10051587 | Unnamed (2947900) trib to Montreal River 110 m DS Mutanen Rd. |
| 10/29/2018 13:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 10/29/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/29/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/29/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/29/2018 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 10/29/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/29/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/29/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/29/2018 14:10 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/29/2018 14:45 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 10/29/2018 14:45 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/29/2018 14:45 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/29/2018 14:45 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/29/2018 14:45 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/29/2018 15:00 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/29/2018 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/29/2018 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/29/2018 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/29/2018 15:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/30/2018 12:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 11/1/2018 | COMPLETE | | 10051592 | Unnamed (2948100) Trib to Laymans Creek 10 m US of footbridge |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|-----------------|----------|-------------|----------|---|
| 11/1/2018 | COMPLETE | | 10039078 | E. Fk. Montreal River - Upstream of Riverside Dr. (Sec. 28) |
| 5/28/2019 12:45 | COMPLETE | ECT-6 | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| 5/28/2019 13:45 | COMPLETE | WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 6/26/2019 12:45 | COMPLETE | ECT-6 | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| 6/26/2019 13:30 | COMPLETE | WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 7/15/2019 11:25 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 7/15/2019 11:25 | COMPLETE | | 263012 | Montreal River at Cth C |
| 7/15/2019 11:25 | COMPLETE | | 263012 | Montreal River at Cth C |
| 7/15/2019 11:25 | COMPLETE | | 263012 | Montreal River at Cth C |
| 7/15/2019 11:25 | COMPLETE | | 263012 | Montreal River at Cth C |
| 7/15/2019 11:55 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/15/2019 11:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 7/15/2019 11:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 7/15/2019 11:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 7/15/2019 11:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 7/15/2019 12:55 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 7/15/2019 12:55 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 7/15/2019 12:55 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 7/15/2019 12:55 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 7/15/2019 12:55 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 7/15/2019 12:55 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 7/15/2019 13:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/15/2019 13:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/15/2019 13:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/15/2019 13:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/15/2019 13:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 7/25/2019 12:30 | COMPLETE | ECT-6 | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| 7/25/2019 13:50 | COMPLETE | BLANK WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 7/25/2019 13:50 | COMPLETE | WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 8/6/2019 11:15 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 8/6/2019 11:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:15 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:20 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|-----------------|----------|----------------------|----------|--|
| 8/6/2019 11:20 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:20 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:20 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 11:20 | COMPLETE | | 263012 | Montreal River at Cth C |
| 8/6/2019 12:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:35 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:35 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:35 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 12:35 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/6/2019 14:10 | COMPLETE | MR-4- BRITE SPOT BRI | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:10 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:10 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:10 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:10 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:25 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 14:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 8/6/2019 15:10 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:30 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/6/2019 15:30 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/22/2019 13:30 | COMPLETE | ECT-6 | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| 8/22/2019 14:20 | COMPLETE | WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 9/16/2019 12:00 | COMPLETE | WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|------------------|----------|-------|----------|--|
| 9/16/2019 13:20 | COMPLETE | ECT-6 | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| 9/30/2019 13:30 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 9/30/2019 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2019 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2019 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2019 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2019 14:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2019 14:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2019 14:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2019 14:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2019 14:30 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2019 14:30 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2019 14:30 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2019 14:30 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2019 14:30 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2019 15:15 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2019 15:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2019 15:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2019 15:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2019 15:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 10/8/2019 | COMPLETE | | 10052982 | Unnamed Tributary (2940700) to Montreal River DS CTH B |
| 10/8/2019 | COMPLETE | | 10053340 | Unnamed Tributary to Montreal River US Saxon Falls Road |
| 10/8/2019 | COMPLETE | | 10044096 | Unnamed Trib to Boomer Creek Upstream of ATV bridge |
| 10/8/2019 | COMPLETE | | 10047691 | Boomer Creek at Wall Street Road |
| 10/9/2019 | COMPLETE | | 10053339 | Unnamed Tributary to Fourche Creek DS Kimball Drive |
| 10/9/2019 | COMPLETE | | 10043216 | Flood Creek at W. Kimball Rd |
| 10/9/2019 | COMPLETE | | 10051590 | Unnamed (2949600) Trib to Pine Lake 20 m US Olson Rd |
| 10/9/2019 | COMPLETE | | 10043214 | Flood Creek at N. River Rd |
| 10/9/2019 | COMPLETE | | 10031004 | Fourche Creek - Kimball Dr. |
| 10/9/2019 | COMPLETE | | 10047693 | Boomer Creek off of snowmobile trail |
| 10/9/2019 | COMPLETE | | 10043236 | Fourche Creek at N Lake Head Rd |
| 10/21/2019 11:45 | COMPLETE | ECT-6 | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| 10/21/2019 12:40 | COMPLETE | WFT-5 | 10051580 | Unnamed (5001983) 150 m DS Center Dr. |
| 11/11/2019 11:00 | COMPLETE | MR-2 | 263012 | Montreal River at Cth C |
| 11/11/2019 11:00 | COMPLETE | | 263012 | Montreal River at Cth C |

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Wisconsin Department of Natural Resources SWIMS Project Summary

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|------------------|----------|-------|----------|---|
| 11/11/2019 11:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 11/11/2019 11:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 11/11/2019 11:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 11/11/2019 11:40 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 11/11/2019 11:40 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 11/11/2019 11:40 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 11/11/2019 11:40 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 11/11/2019 12:20 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 11/11/2019 12:20 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 11/11/2019 12:20 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 11/11/2019 12:20 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 11/11/2019 12:20 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 11/11/2019 12:40 | COMPLETE | MR-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 11/11/2019 12:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 11/11/2019 12:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 11/11/2019 12:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 11/11/2019 12:40 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 4/29/2020 11:00 | COMPLETE | MRC-1 | 263012 | Montreal River at Cth C |
| 4/29/2020 11:30 | COMPLETE | MRH-1 | 10048418 | Montreal River Adjacent to STH 51 |
| 4/29/2020 12:05 | COMPLETE | WFM-1 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | WFM-2 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 10:10 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 5/28/2020 11:05 | COMPLETE | MRH-2 | 10048418 | Montreal River Adjacent to STH 51 |
| 5/28/2020 11:05 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 5/28/2020 11:05 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 5/28/2020 11:05 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 5/28/2020 11:05 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 5/28/2020 11:05 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 5/28/2020 12:30 | COMPLETE | MRC-2 | 263012 | Montreal River at Cth C |
| 5/28/2020 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 5/28/2020 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |

7/27/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

| | | | | |
|-----------------|----------|-------|----------|---|
| 5/28/2020 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 5/28/2020 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 5/28/2020 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 5/28/2020 13:30 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 5/28/2020 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 5/28/2020 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 5/28/2020 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 5/28/2020 13:30 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/30/2020 | COMPLETE | WFM-3 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/30/2020 10:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/30/2020 10:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/30/2020 10:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/30/2020 10:15 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 6/30/2020 11:25 | COMPLETE | MRH-3 | 10048418 | Montreal River Adjacent to STH 51 |
| 6/30/2020 11:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/30/2020 11:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/30/2020 11:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/30/2020 11:25 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 6/30/2020 12:50 | COMPLETE | MRC-3 | 263012 | Montreal River at Cth C |
| 6/30/2020 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/30/2020 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/30/2020 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/30/2020 12:50 | COMPLETE | | 263012 | Montreal River at Cth C |
| 6/30/2020 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/30/2020 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/30/2020 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 6/30/2020 13:55 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 8/4/2020 11:30 | COMPLETE | MRC-4 | 263012 | Montreal River at Cth C |
| 8/4/2020 14:00 | COMPLETE | WFM-4 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 8/5/2020 13:30 | COMPLETE | MRH-4 | 10048418 | Montreal River Adjacent to STH 51 |
| 9/1/2020 10:00 | COMPLETE | WFM-5 | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/1/2020 11:00 | COMPLETE | MRH-5 | 10048418 | Montreal River Adjacent to STH 51 |
| 9/1/2020 14:00 | COMPLETE | MRC-5 | 263012 | Montreal River at Cth C |
| 9/30/2020 10:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2020 10:00 | COMPLETE | | 263012 | Montreal River at Cth C |

Wisconsin Department of Natural Resources
SWIMS Project Summary

| | | | | |
|------------------|----------|--|----------|---|
| 9/30/2020 10:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2020 10:00 | COMPLETE | | 263012 | Montreal River at Cth C |
| 9/30/2020 11:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2020 11:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2020 11:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2020 11:00 | COMPLETE | | 10022049 | West Fork Montreal River - Kimball At Center Dr |
| 9/30/2020 13:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2020 13:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2020 13:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2020 13:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 9/30/2020 14:00 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2020 14:00 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2020 14:00 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 9/30/2020 14:00 | COMPLETE | | 10048418 | Montreal River Adjacent to STH 51 |
| 10/28/2020 12:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/28/2020 12:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/28/2020 12:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| 10/28/2020 12:00 | COMPLETE | | 10029743 | West Fork Montreal River at West Branch Road |
| | RECEIVED | | 10049235 | Unnamed (2943600) trib to East Cr. 15m US Island Lake Rd |
| | RECEIVED | | 10049231 | Unnamed (2944100) trib to W. Fork Montreal R. 8m Upstream West Branch Rd. |

Documents

| Title | Description | Author | Published | Comments |
|-------|-------------|--------|-----------|----------|
|-------|-------------|--------|-----------|----------|

Budget

Wisconsin Department of Natural Resources
SWIMS Project Summary

| | | |
|--|----------------------|---------------------|
| Budget Description: FY 2017 January 2017-June 2017 | Start Date: 1/1/2017 | End Date: 6/30/2017 |
|--|----------------------|---------------------|

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|------------|--|
| FTE | FTE Hours | 80 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 100 | Hours | \$15.00 | \$1,500.00 | |
| LTE FR | LTE Fringe | | | | \$370.50 | |
| LTE IND | LTE Indirect | | | | \$302.46 | |
| LTE TOT | LTE Total Cost | | | | \$2,172.96 | |
| SUPPLY | Supplies | 1 | | \$100.00 | \$100.00 | Sample Shipment/Ice |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 900 | Miles | \$0.72 | \$648.00 | |
| MEAL | Meals | 12 | Meals | \$9.00 | \$108.00 | |
| LODGE | Lodging | | | | \$0.00 | |
| TRAVEL | Travel Total | | | | \$756.00 | |
| BUG | Bug Contracts | | | | \$0.00 | |
| OTHER | Other Contracts | 8 | | \$169.52 | \$1,356.16 | Lab costs for ICPMS (125.13), DOC (19.36) and LLHg (25.03)bottle prep not in Swims |
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$4,385.12 | |

Total WSLH Lab Costs: \$0.00
Total Budget: \$4,385.12

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY 2018 July 2017-December 2017 Start Date: 7/1/2017 End Date: 12/31/2017

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|-------------|--|
| FTE | FTE Hours | 350 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 350 | Hours | \$15.00 | \$5,250.00 | |
| LTE FR | LTE Fringe | | | | \$1,296.75 | |
| LTE IND | LTE Indirect | | | | \$1,058.61 | |
| LTE TOT | LTE Total Cost | | | | \$7,605.36 | |
| SUPPLY | Supplies | 1 | | \$250.00 | \$250.00 | Sample Shipment/Ice |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 2200 | Miles | \$0.72 | \$1,584.00 | |
| MEAL | Meals | 30 | Meals | \$9.00 | \$270.00 | |
| LODGE | Lodging | 4 | | \$82.00 | \$328.00 | |
| TRAVEL | Travel Total | | | | \$2,182.00 | |
| BUG | Bug Contracts | 10 | | \$65.00 | \$650.00 | |
| OTHER | Other Contracts | 16 | | \$169.52 | \$2,712.32 | Lab costs for ICPMS (125.13), DOC (19.36) and LLHg (25.03)bottle prep not in Swims |
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$13,399.68 | |

Total WSLH Lab Costs: \$0.00
Total Budget: \$13,399.68

Wisconsin Department of Natural Resources
SWIMS Project Summary

| | | |
|--|----------------------|---------------------|
| Budget Description: FY 2018 January 2018-June 2018 | Start Date: 1/1/2018 | End Date: 6/30/2018 |
|--|----------------------|---------------------|

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|------------|--|
| FTE | FTE Hours | 80 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 80 | Hours | \$15.00 | \$1,200.00 | |
| LTE FR | LTE Fringe | | | | \$296.40 | |
| LTE IND | LTE Indirect | | | | \$241.97 | |
| LTE TOT | LTE Total Cost | | | | \$1,738.37 | |
| SUPPLY | Supplies | 1 | | \$100.00 | \$100.00 | sample shipping and ice |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 700 | Miles | \$0.72 | \$504.00 | |
| MEAL | Meals | 12 | Meals | \$10.00 | \$120.00 | |
| LODGE | Lodging | | | | \$0.00 | |
| TRAVEL | Travel Total | | | | \$624.00 | |
| BUG | Bug Contracts | | | | \$0.00 | |
| OTHER | Other Contracts | 2 | | \$169.52 | \$339.04 | lab costs for ICPMS (125.13), DOC (19.36) and LLHg (25.03) bottle prep |
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$2,801.41 | |

Total WSLH Lab Costs: \$0.00
Total Budget: \$2,801.41

7/27/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

Budget Description: FY 2019 July 2018-December 2018**Start Date:** 7/1/2018**End Date:** 12/31/2018

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|-------------|---|
| FTE | FTE Hours | 350 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 350 | Hours | \$15.00 | \$5,250.00 | |
| LTE FR | LTE Fringe | | | | \$1,296.75 | |
| LTE IND | LTE Indirect | | | | \$1,058.61 | |
| LTE TOT | LTE Total Cost | | | | \$7,605.36 | |
| SUPPLY | Supplies | 1 | | \$250.00 | \$250.00 | Sample Shipment/Ice |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 2200 | Miles | \$0.72 | \$1,584.00 | |
| MEAL | Meals | 30 | Meals | \$10.00 | \$300.00 | |
| LODGE | Lodging | 4 | | \$82.00 | \$328.00 | |
| TRAVEL | Travel Total | | | | \$2,212.00 | |
| BUG | Bug Contracts | 10 | | \$65.00 | \$650.00 | |
| OTHER | Other Contracts | 4 | | \$169.52 | \$678.08 | Lab costs for ICPMS (125.13), DOC (19.35), and LLHg (25.03) bottle prep not i SWIMS |
| USGS | USGS Costs | 1 | | \$200.00 | \$200.00 | DPI (not USGS) |
| TOTAL | Total Cost (excludes SLOH) | | | | \$11,595.44 | |

Total WSLH Lab Costs: \$0.00**Total Budget:** \$11,595.44**Budget Description:** FY 2019 January 2019-June 2019**Start Date:** 1/1/2019**End Date:** 6/30/2019

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|------------|---|
| FTE | FTE Hours | 80 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 80 | Hours | \$17.00 | \$1,360.00 | |
| LTE FR | LTE Fringe | | | | \$335.92 | |
| LTE IND | LTE Indirect | | | | \$274.23 | |
| LTE TOT | LTE Total Cost | | | | \$1,970.15 | |
| SUPPLY | Supplies | 1 | | \$150.00 | \$150.00 | sample shipping, ice |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 700 | Miles | \$0.72 | \$504.00 | |
| MEAL | Meals | 12 | Meals | \$10.00 | \$120.00 | |
| LODGE | Lodging | | | | \$0.00 | |
| TRAVEL | Travel Total | | | | \$624.00 | |
| BUG | Bug Contracts | | | | \$0.00 | |
| OTHER | Other Contracts | 2 | | \$161.00 | \$322.00 | lab costs for ICPMS set up and bottle cleaning |
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$3,066.15 | |

7/27/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

| Test Code | Description | Test Group | # Planned | Unit Cost | Total Cost |
|-----------|--|---------------------|-----------|-----------|------------|
| ICC23003 | CALCIUM, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 4 | \$7.00 | \$28.00 |
| ICC23014 | HARDNESS, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 4 | \$14.00 | \$56.00 |
| ICC24003 | CHLORIDE, TOTAL COLORIMETRIC | INORGANIC CHEM DEPT | 4 | \$27.00 | \$108.00 |
| ICC30501 | ALKALINITY, PH, & CONDUCTITIVY, TOTAL AUTOTITRATOR | INORGANIC CHEM DEPT | 4 | \$28.00 | \$112.00 |
| ICC37003 | IRON, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 4 | \$7.00 | \$28.00 |
| ICC39003 | MAGNESIUM, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 4 | \$7.00 | \$28.00 |
| ICC44001 | AMMONIA, DISSOLVED COLORIMETRIC, LOW | INORGANIC CHEM DEPT | 4 | \$32.00 | \$128.00 |
| ICC46000 | NITRATE + NITRITE AS N | INORGANIC CHEM DEPT | 4 | \$32.00 | \$128.00 |
| ICC46601 | TN BY COLORIMETRIC TOTAL | INORGANIC CHEM DEPT | 4 | \$32.00 | \$128.00 |
| ICC52010 | PHOSPHORUS TOTAL | INORGANIC CHEM DEPT | 4 | \$28.00 | \$112.00 |
| ICC60001 | SULFATE, TOTAL COLORIMETRIC | INORGANIC CHEM DEPT | 4 | \$32.00 | \$128.00 |
| ICC65000 | SUSPENDED SOLIDS | INORGANIC CHEM DEPT | 4 | \$24.00 | \$96.00 |
| ICC66000 | TURBIDITY NEPHELOMETRY LIQUID NON-SDWA | INORGANIC CHEM DEPT | 4 | \$14.00 | \$56.00 |
| OCC16621 | DISSOLVED ORGANIC CARBON-WATER | ORGANIC CHEM DEPT | 4 | \$160.00 | \$640.00 |

Total WSLH Lab Costs: \$1,776.00

Total Budget: \$4,842.15

Budget Description: FY 2020 July 2019-December 2019

Start Date: 7/1/2019

End Date: 12/31/2019

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|-----------------|----------|-------|-----------|------------|--|
| FTE | FTE Hours | 350 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 350 | Hours | \$17.00 | \$5,950.00 | |
| LTE FR | LTE Fringe | | | | \$1,469.65 | |
| LTE IND | LTE Indirect | | | | \$1,199.76 | |
| LTE TOT | LTE Total Cost | | | | \$8,619.41 | |
| SUPPLY | Supplies | 1 | | \$300.00 | \$300.00 | Sample shipping, ice |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 2200 | Miles | \$0.72 | \$1,584.00 | |
| MEAL | Meals | 30 | Meals | \$10.00 | \$300.00 | |
| LODGE | Lodging | 4 | | \$82.00 | \$328.00 | |
| TRAVEL | Travel Total | | | | \$2,212.00 | |
| BUG | Bug Contracts | 10 | | \$65.00 | \$650.00 | |
| OTHER | Other Contracts | 4 | | \$161.00 | \$644.00 | ICPMS set up for LL Metals and bottle cleaning |

Wisconsin Department of Natural Resources
SWIMS Project Summary

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|-------|----------------------------|----------|-------|-----------|-------------|----------|
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$12,425.41 | |

| Test Code | Description | Test Group | # Planned | Unit Cost | Total Cost |
|-----------|--|---------------------|-----------|-----------|------------|
| ICC23003 | CALCIUM, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 8 | \$7.00 | \$56.00 |
| ICC23014 | HARDNESS, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 8 | \$14.00 | \$112.00 |
| ICC24003 | CHLORIDE, TOTAL COLORIMETRIC | INORGANIC CHEM DEPT | 8 | \$27.00 | \$216.00 |
| ICC30501 | ALKALINITY, PH, & CONDUCTITITY, TOTAL AUTOTITRATOR | INORGANIC CHEM DEPT | 8 | \$28.00 | \$224.00 |
| ICC37003 | IRON, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 8 | \$7.00 | \$56.00 |
| ICC39003 | MAGNESIUM, TOTAL RECOVERABLE ICP | INORGANIC CHEM DEPT | 8 | \$7.00 | \$56.00 |
| ICC44001 | AMMONIA, DISSOLVED COLORIMETRIC, LOW | INORGANIC CHEM DEPT | 8 | \$32.00 | \$256.00 |
| ICC46000 | NITRATE + NITRITE AS N | INORGANIC CHEM DEPT | 8 | \$32.00 | \$256.00 |
| ICC46601 | TN BY COLORIMETRIC TOTAL | INORGANIC CHEM DEPT | 8 | \$32.00 | \$256.00 |
| ICC52010 | PHOSPHORUS TOTAL | INORGANIC CHEM DEPT | 8 | \$28.00 | \$224.00 |
| ICC60001 | SULFATE, TOTAL COLORIMETRIC | INORGANIC CHEM DEPT | 8 | \$32.00 | \$256.00 |
| ICC65000 | SUSPENDEED SOLIDS | INORGANIC CHEM DEPT | 8 | \$24.00 | \$192.00 |
| ICC66000 | TURBIDITY NEPHELOMETRY LIQUID NON-SDWA | INORGANIC CHEM DEPT | 8 | \$14.00 | \$112.00 |
| OCC16621 | DISSOLVED ORGANIC CARBON-WATER | ORGANIC CHEM DEPT | 8 | \$160.00 | \$1,280.00 |

Total WSLH Lab Costs: \$3,552.00

Total Budget: \$15,977.41

Combined Budgets: \$47,673.20

Combined WSLH: \$5,328.00

Combined Total: \$53,001.20

| Funding | | | | | |
|--------------|--------|------|--------|------------|----------|
| Organization | Source | Type | Amount | Start Date | End Date |