

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: RP39324

Name: CAPITAL AREA REGIONAL PLANNING COMMISSION: USGS Monitoring Station on Lower Black Earth Creek

Type: River Grant

Subtype: River Planning Grant

Status: ACTIVE

Start Date: 3/15/2024

End Date: 12/31/2024

Purpose: The Capital Area Regional Planning Commission is sponsoring a project to continue monitoring water quality and quantity at existing USGS station (05406500) on lower Black Earth Creek.

Activities: 1) Collect real-time discharge data at 15 minute intervals including gage height, discharge flow, and stream water level elevation on Black Earth Creek monitoring station and will display on website. 2) Collect continuous water quality data including temperature, conductance, dissolved oxygen, and turbidity using multi-parameter sondes. 3) Use automated water quality samplers to measure concentrations of total phosphorus (TP), total suspended solids (TSS), and ammonia during stormflow and baseflow periods to help calculate loads across a range of flows. 4) Combine annual discharge and water quality information to compute annual loads of sampled nutrients including TSS, TP, and Ammonia.

Deliverables: 1) Real-time, online water quality information will be posted on the web at the USGS National Water Dashboard (<https://dashboard.waterdata.usgs.gov>) and USGS WaterAlert (<https://accounts.waterdata.usgs.gov/wateralert/>) for municipalities and the public to view and download. 2) USGS report on the water quality of Black Earth Creek. 3) Water quality data (TP, TSS, and Ammonia) entered into SWIMS.

Conditions:

1) Enter data collected into SWIMS database under the grant project number.

This scope summarizes details provided in the application and does not negate tasks and/or deliverables described therein. Data, reports, surveys, and supporting information, including photos, maps and GIS data, must be submitted to the DNR Biologist in electronic format and in any other format they specify.

Objective:

Comments: Grantee is CAPITAL AREA REGIONAL PLANNING COMMISSION

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments

Project Statuses			
Date	Reported By	Status	Comments

Actions				
Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant RP39324 awarded	3/15/2024	12/31/2024	COMPLETE

Monitoring Stations

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Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
1248600	2	Black Earth Creek	Black Earth Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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7/25/2024

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