

Downloading Data from SWIMS

1. Go to: <https://dnrx.wisconsin.gov/swims> and log into SWIMS

Wisconsin Department of Natural Resources
Surface Water Integrated Monitoring System (SWIMS)

Welcome to SWIMS
 The Surface Water Integrated Monitoring System (SWIMS) is a new water division data system designed to ensure that staff and management have access to high quality surface water, sediment and aquatic invasives data in an accessible format.

For more information or to obtain access, please contact:

SWIMS File Managers:

Jennifer Fibert: Lakes
 Lisa Helmut: Rivers, Sediment

Water Division
 Wisconsin Department of Natural Resources

SWIMS Intranet
 Homepage (DNR staff)

The Official Internet site for the Wisconsin Department of Natural Resources
 101 S. Webster Street PO Box 7921 Madison, Wisconsin 53707-7921 608.266.2621
dnr.wi.gov

Enter your User ID and Password to sign in
 User ID
 Password

DNR Staff:
 Log in with your Oracle ID and Password

Volunteers and Others:
 Our log-in screen has changed. Log in with your Wisconsin User ID and Password above.
 Forgot your password?
 Get a Wisconsin User ID and Password

2. Click on the **Find Data** tab

Wisconsin Department of Natural Resources
Surface Water Integrated Monitoring System (SWIMS)

My Projects **Find Data** Submit Data Stations Forms Reports, Maps, and Documents

Find Data

Monitoring Data
 Monitoring data from the State Lab of Hygiene, the field, and from other labs.

- Search Fieldwork Events
- Search Results

Worktable Data (Fieldwork With Problems)
 Search monitoring data from the State Lab of Hygiene and from other labs that is in our Work Tables. This is often due to a lack of a monitoring station (on the lab slip).

Monitoring Stations
 Search and select a monitoring station.

Projects
 Projects describe the "why" behind monitoring data, a resource of interest, or an action.

Grants
 Grants are a particular type of project. This specialized search screen allows more customized searching of River Grants, Nonpoint Source Grants and Lake Grants.

SWIMS Digital Library
 Search reports, photos, studies.
 Hint: Keyword or WBIC search returns data faster.
 Find:

- Sensitive Area Designations
- Surface Water Inventories
- Use Designation Files
- Runoff Final Reports
- Lake Grant Final Reports
- and more

Reports
 View reports available in the SWIMS system.

- Fisheries Reports
- Macroinvertebrate Fieldwork Summary
- Macroinvertebrate Fieldwork Detail
- Chemistry Graphs by Project
- Project Status Fieldwork Summary
- TSI Summary by Station and Year

Resources of Interest
 Resources of Interest are areas of special resource significance.
 Find:

- Critical Habitat Areas
- Eurasian Water-Milfoil Infestations
- Upland protection areas
- High Quality Wetlands
- Sediment Inventory Sites
- Sturgeon Waters
- Walleye Waters
- Wild Rice Waters
- Zebra Mussel Infestations

Methods
 Methods are any set of procedures used to collect monitoring data.

Equipment
 Find equipment associated with methods and monitoring.

Parameter Codes
 Find parameter codes.

Parameter Groups
 Find parameter groups.

Lab Account Codes
 Find lab account codes.

Currently, you are logged in.
 For security purposes, you will be logged off automatically after 15 minutes of inactivity, or you can [log out now](#).

3. Select:
 - a. **Search Fieldwork Events** – Search when you are looking for more information on the field event, including data collector and results.
 - b. **Search Results** – Easy search when you’re just looking for a single parameter (example, Total Phosphorus data).
4. For either Fieldwork Events or Results, be sure to select project you are interested in (example, Volunteers Monitoring Phosphorus – Milwaukee Estuary AOC)

Fieldwork Events Search page:

The screenshot shows a web interface for searching fieldwork events. At the top, there is a breadcrumb trail: "Home -> Query Fieldwork Events". Below this, the search type is set to "Search By Station". The main search area contains numerous filters, including date ranges for "Fieldwork Start Date", dropdown menus for "Fieldwork Event Status", "Station ID", "Primary Station Name", "Station Type", "Alternate Source", "Alternate Station ID", "Alternate Station Name", "Station WBIC", "Station Waterbody Name", "County", "Region", "Watershed", "GMU", "WMU", "HUC", "Eco Region", "Stream Order", "Primary Lab ID", "Sample/Labslip ID", "Lab Account Code", "Field #", "Collector (last name)", "DNR Parameter", "Source Media", and "Database Key (fieldwork_seq_no)". Two buttons, "Search Projects" and "Search for Parameter", are located near the "Project" and "DNR Parameter" fields, respectively. The "Search Projects" button is highlighted with a red rectangle. At the bottom left, there are "Submit Query" and "Reset" buttons.

Results Search page:

Surface Water Integrated Monitoring

My Projects
Find Data
Submit Data
Stations
Forms
Reports, Maps, and Documents

Home -> Query Sample Results

Submit
Reset

Search for Parameter

Result Date --- From: Select Date To: Select Date

Search Projects

Submit
Reset

- Once your search returns the data, click **Download** at the bottom left (sometimes it shows up closer to the middle depending on the web browser you use.)

					GL021	Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	10028908	At Division Road	21500	Cedar Creek	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	10037439	Kinnickinnic River (Lyons Park Creek) at Lyons Park near intersection 57th and Holt	15100	Kinnickinnic River	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	413737	Lincoln Creek at 56th and Lincoln Dr	19400	Lincoln Creek	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	673124	Quas Creek at Decorah Rd, At West Bend, WI	34900	Quas Creek	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	10031613	Underwood Creek at Gravel Sholes Park	16700	Underwood Creek	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	10037441	Beaver Creek at N 60th St	20000	Unnamed	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	10028908	Cedar Creek at Division Road	21300	Cedar Creek	07/31/2013
					GL021	Volunteer Monitoring of Phosphorus - Milwaukee Estuary AOC (CAP_4_2011)	Joe Rath	SCHEDULED	10037439	Kinnickinnic River (Lyons Park Creek) at Lyons Park near intersection 57th and Holt	15100	Kinnickinnic River	07/31/2013

Showing 1 to 10 of 877 entries

[First](#)
[Previous](#)
[1](#)
[2](#)
[3](#)
[4](#)
[5](#)
[Next](#)
[Last](#)

Download

Currently, you are logged in. For security purposes, you will be logged off

6. Check the box with the metadata you would like to include in your download (example, latitude/longitude)

Fieldevents Download – Click on [Add level of detail](#) drop down menu to select more metadata options.

Download SWIMS Data	
Fieldwork Events	Sample Results
Database Key <input type="checkbox"/>	DNR Parameter <input checked="" type="checkbox"/>
Fieldwork Start <input checked="" type="checkbox"/>	Parameter Type <input checked="" type="checkbox"/>
Fieldwork End <input checked="" type="checkbox"/>	Description <input checked="" type="checkbox"/>
Project(s) <input checked="" type="checkbox"/>	Result <input checked="" type="checkbox"/>
Lab Account Code <input type="checkbox"/>	Units <input checked="" type="checkbox"/>
Data Collector(s) <input checked="" type="checkbox"/>	Present/Absent <input checked="" type="checkbox"/>
Status <input checked="" type="checkbox"/>	Analysis Method <input type="checkbox"/>
Field Sample ID <input type="checkbox"/>	Start Date/Time <input checked="" type="checkbox"/>
Fieldwork Depth <input type="checkbox"/>	Analysis Date/Time <input type="checkbox"/>
Station Org. <input type="checkbox"/>	Result Depth <input checked="" type="checkbox"/>
Station ID <input checked="" type="checkbox"/>	Header/Labslip Depth <input checked="" type="checkbox"/>
Station Name <input checked="" type="checkbox"/>	Lab ID <input type="checkbox"/>
Station Type <input type="checkbox"/>	Sample/Labslip ID <input type="checkbox"/>
WBIC <input checked="" type="checkbox"/>	Collector (Labslip) <input type="checkbox"/>
Waterbody Name <input type="checkbox"/>	Lab Method <input type="checkbox"/>
Monitoring Location Latitude <input checked="" type="checkbox"/>	Lab Comments <input checked="" type="checkbox"/>
Monitoring Location Longitude <input checked="" type="checkbox"/>	LOD <input type="checkbox"/>
Field Description <input type="checkbox"/>	Lower Bound <input type="checkbox"/>
Report To <input type="checkbox"/>	LOQ <input type="checkbox"/>
Report To EPA <input type="checkbox"/>	Upper Bound <input type="checkbox"/>
Observer Comments <input type="checkbox"/>	ID No <input type="checkbox"/>
<input type="button" value="Select All"/>	ID Point No <input type="checkbox"/>
<input type="button" value="Unselect All"/>	Second ID No <input type="checkbox"/>
Add level of detail: <input style="border: 2px solid red;" type="button" value="All Results"/>	Field No <input type="checkbox"/>
	Project # <input type="checkbox"/>
	Sample Description <input type="checkbox"/>
	Location Description <input checked="" type="checkbox"/>
	Received <input type="checkbox"/>
	Reported <input type="checkbox"/>
	<input type="button" value="Select All"/>
	<input type="button" value="Unselect All"/>
	Add level of detail: <input type="button" value="<no detail>"/>
<input type="button" value="Download the Data"/>	

Results Download

Surface Water Integrate

My Projects Find Data Submit Data Stations Forms Reports, Maps, and Documents

Download SWIMS Data

Fieldwork Events

Database Key	<input type="checkbox"/>
Fieldwork Start	<input checked="" type="checkbox"/>
Fieldwork End	<input checked="" type="checkbox"/>
Project(s)	<input checked="" type="checkbox"/>
Lab Account Code	<input type="checkbox"/>
Data Collector(s)	<input checked="" type="checkbox"/>
Status	<input checked="" type="checkbox"/>
Field Sample ID	<input type="checkbox"/>
Fieldwork Depth	<input type="checkbox"/>
Station Org.	<input type="checkbox"/>
Station ID	<input checked="" type="checkbox"/>
Station Name	<input checked="" type="checkbox"/>
Station Type	<input type="checkbox"/>
WBIC	<input checked="" type="checkbox"/>
Waterbody Name	<input type="checkbox"/>
Monitoring Location Latitude	<input checked="" type="checkbox"/>
Monitoring Location Longitude	<input checked="" type="checkbox"/>
Field Description	<input type="checkbox"/>
Report To	<input type="checkbox"/>
Report To EPA	<input type="checkbox"/>
Observer Comments	<input type="checkbox"/>

Select All Unselect All

Add level of detail: <no detail>

Download the Data

7. Click **Download the Data**. An Excel spreadsheet will open with your results.

8. Parameters codes of interest:

- a. Dissolved Oxygen mg/l – 300
- b. Dissolved Oxygen % Saturation – 301
- c. pH – 400
- d. Transparency Tube 1 – 61190
- e. Transparency Tube 2 – 90006
- f. Temperature – 10 (note, this is the same parameter code for both continuous and instantaneous. Hourly temp may be too large to download and may need to narrow search to one field station or shorter time frame)
- g. Maximum daily temperature – 80006 (calculated from continuous temperature)
- h. Conductivity – 94
- i. Chloride – 940 (note, if water sample is too turbid to run, the lab may filter it. If this happens, the result may be located under dissolved chloride – 941)
- j. Total phosphorus - 665

Contact Christina Anderson with any questions. Christina.anderson@wisconsin.gov

TIPS:

check your data to be sure the full download was complete (CA having issues lately)