

A Guide to Downloading Cyanotoxin Data from DEQ's AWQMS

The Oregon Department of Environmental Quality provides public access to water quality monitoring data through the [Ambient Water Quality Monitoring System](#), or AWQMS, which is also known formally as the "Water Quality (GSE WQ) System." This document outlines the method for accessing cyanotoxin data collected as part of the Harmful Algal Blooms Monitoring Program. For wide-ranging guidance on using AWQMS, please visit [DEQ's Water Quality Monitoring Data web page](#) or contact [WQDataHelp](#) for assistance.

Under DEQ's HABs Monitoring Program, the cyanotoxins monitored include anatoxin-a, cylindrospermopsin, microcystins and saxitoxin. Anatoxins and saxitoxins are strong neurotoxins produced by several cyanobacterial species, including mat-forming benthic species. Microcystins are cyclic polypeptide toxins frequently produced by freshwater cyanobacteria. They represent a range of hepatotoxic, carcinogenic, and endocrine-disrupting compounds, each with individual toxicities and physical properties. Cylindrospermopsins are a broad range of toxic alkaloids that are highly water soluble and undergo slow environmental degradation.

The Oregon Health Authority is responsible for issuing recreational water quality advisories. Please refer to [Oregon Health Authority Advisory Guidance](#) for information on how OHA issues recreational advisories based on cyanotoxin data.

In addition to cyanotoxins, DEQ collects other monitoring data that may be relevant to HABs and your specific interests, including chlorophyll-a, temperature, dissolved oxygen (DO), pH, conductivity, and nutrients. Please refer to the comprehensive guidance documents available on [DEQ's Water Quality Monitoring Data web page](#) for instructions on downloading additional water quality data.

Please follow the step-by-step instructions below to download cyanotoxin data for a specific water body. The guidance is organized with a brief description of each step on the left and a corresponding screenshot on the right. Please note: Due to limited resources, DEQ cannot monitor HABs at every water body of the state at this time.

Go to [DEQ's Water Quality Monitoring Data web page](#) and click **Access AWQMS**.

OREGON.GOV



Water Quality Monitoring Data

≡ Site Navigation

The **Ambient Water Quality Monitoring System** is the Oregon DEQ water monitoring data portal. This system allows for easier access to DEQ and partner data for rivers and streams, lakes, estuaries, beaches and groundwater resources throughout Oregon. In addition, AWQMS provides a direct exchange to the Water Quality Exchange network which will integrate DEQ water quality data with other publically available data sources, including USEPA and USGS.

All users MUST use the [Public Portal](#) login. Within the public portal, DEQ data and data provided from partner groups, such as watershed councils, is available to view, query, chart, graph, and download. This is a read-only portal, and the public is not able to create new monitoring locations, add or modify any data. If you are interested in partnering with DEQ in water quality data collection please visit our [Volunteer Monitoring](#) site.

- [AWQMS Data Guidance](#)

Access AWQMS

- Username: ORPUBLIC
- Password: ORPUBLIC

Sign in to AWQMS using
ORPUBLIC for both the
username and password.



State of Oregon Department of Environmental Quality

Water Quality Monitoring Data

Username:

Password:

Sign in

[Forgot Password](#)

This data portal provides public read-only access to water quality monitoring data through the State of Oregon. Water quality data posted on this website were generated to satisfy specific data quality objectives for the programs and projects under which they were generated. A portion of the samples were analyzed and/or collected by organizations other than DEQ. Review of the non-DEQ data is limited to information supplied by the non-DEQ organization. The users of the data obtained here must understand the potential limitations of that data and determine the data's suitability for their intended use. Visit [instructions](#), [tutorials](#) and [helpful hints](#) for information on using this data portal. Please direct any questions on content accessibility for this website to WQDataHelp@deq.state.or.us. This website cannot be made compliant with the Americans with Disabilities Act. We apologize for any inconvenience and invite you to contact us at 800-452-4011 or email deqinfo@deq.state.or.us for assistance accessing this site.

For direct access to the data portal use the following:

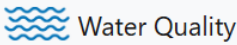
Username: ORPUBLIC

Password: ORPUBLIC.

The AWQMS Data Analysis page will appear.

Click the **Exports** tab.

Select the **Standard (Abbreviated)** table type.



Data Analysis

[Graphs](#)
[Maps](#)
[Reports](#)
[Exports](#)
[All](#)
[Metadata](#)

Organization Name	Total Activities	Total Results	Min Activity Date	Max Activity Date
Organization 1	60,278	155,366	09-02-1998	11-02-2015
Organization 2	39,494	840,122	07-29-1992	09-18-2014
Organization 3	47,040	438,114	06-27-1967	10-20-2005
Organization 4	3,206	45,227	08-10-1981	09-30-2010
Organization 5	51,651	371,067	01-05-2000	03-18-2009
Organization 6	651	4,527	01-29-2001	12-12-2012
Organization 7	40,938	45,706	04-14-2003	01-01-2015
Organization 8	4,291	18,260	10-12-1999	05-18-2015
Organization 9	12,706	78,956	05-04-1969	09-25-2017
Organization 10	3,206	45,227	08-10-1981	09-30-2010
Organization 11	51,651	371,067	01-05-2000	03-18-2009
Organization 12	352,306	4,146,387	08-17-1907	05-30-2060
Organization 13	42	237	05-04-1999	01-01-2018
Organization 14	60,278	155,366	09-02-1998	11-02-2015
Organization 15	39,494	840,122	07-29-1992	09-18-2014
Organization 16	47,040	438,114	06-27-1967	10-20-2005
Organization 17	3,206	45,227	08-10-1981	09-30-2010
Organization 18	51,651	371,067	01-05-2000	03-18-2009

Result Summary (version 1)

Activity Type	Media	2015	2016	2017
Field Msr/Obs	Air	18	259	120
Field Msr/Obs	Biological	3,539	3,531	3,974
Field Msr/Obs	Water	76,190	45,435	54,208
Field Msr/Obs-Portable Data Logger	Water	39,645	25,747	21,519
Quality Control Sample-Equipment Blank	Water	3	90	13
Quality Control Sample-Field Replicate	Water	372	92	204
Quality Control Sample-Trip Blank	Water	2,740	3,539	3,531
Sample-Composite Without Parents	Biological	12,124	7,345	3,549
Sample-Composite Without Parents	Tissue	92	204	44
Sample-Composite Without Parents	Water	234	250	267
Sample-Field Subsample	Tissue	651	320	351
Sample-Integrated Flow Proportioned	Water	17	8	62
Sample-Integrated Vertical Profile	Biological	3,146	1,879	3,102
Sample-Integrated Vertical Profile	Water	3,508	3,247	3,508
Sample-Routine	Biological	3,391	459	641
Sample-Routine	Other	641	567	1
Sample-Routine	Tissue	7,345	3,549	4,291
Sample-Routine	Water	157,049	134,948	135,505

Result Summary (version 2)

Monitoring Location ID	Date	Media	Dissolved oxygen (DO) (mg/l) Total		pH (None) Total	
			Value	N	Value	N
4900430	07-27-2005	Water	5.99	1	9.89	1
4900430	07-23-2007	Water	4.57	2*	8.50	2*
4900430	09-15-2008	Water	6.73	1	9.27	2*
4900440	07-27-2005	Water	3.60	9*	8.63	9*
4900440	09-22-2005	Water	7.80	9*	9.50	10*
4900440	07-23-2007	Water	5.61	8*	8.71	9*
4900440	09-15-2008	Water	5.66	8*	9.06	9*
4900450	07-27-2005	Water	6.58	4*	10.49	4*
4900450	09-22-2005	Water	9.91	7*	9.92	7*
4900450	07-23-2007	Water	13.07	4*	10.41	4*
4900450	09-15-2008	Water	6.94	6*	9.61	7*
4900460	07-27-2005	Water	7.61	5*	10.31	5*
4900460	09-22-2005	Water	8.80	9*	9.65	9*

Crosstab

Activity ID	Activity Date	M. Loc. ID	Characteristic Name	Value	Unit	Status
COOP0302-1	03-15-2002	4900200	pH	7.8	None	Final
COOP0302-1	03-15-2002	4900200	Temperature, water	9.9	deg C	Final
COOP0302-1	03-15-2002	4900200	Dissolved oxygen (DO)	10	mg/l	Final
COOP0201-1	02-15-2001	4900200	Temperature, water	5.8	deg C	Final
COOP0201-1	02-15-2001	4900200	pH	7.8	None	Preliminary
COOP0201-1	02-15-2001	4900200	Dissolved oxygen (DO)	9.1	mg/l	Final
COOP0802-1	08-15-2002	4900200	Dissolved oxygen (DO)	10.8	mg/l	Final
COOP0802-1	08-15-2002	4900200	Temperature, water	11.7	deg C	Final
COOP0802-1	08-15-2002	4900200	pH	7.8	None	Preliminary
COOP0804-1	08-15-2004	4900200	Temperature, water	14.6	deg C	Final
COOP0804-1	08-15-2004	4900200	Dissolved oxygen (DO)	12.1	mg/l	Final
COOP0804-1	08-15-2004	4900200	pH	7.8	None	Final
LA072605-1	07-27-2005	4900430	Dissolved oxygen (DO)	5.99	mg/l	Accepted
LA072605-1	07-27-2005	4900430	Temperature, water	24.32	deg C	Final

Standard

Activity ID	Activity Date	M. Loc. ID	Characteristic Name	Value	Unit	Status
COOP0302-1	03-15-2002	4900200	pH	7.8	None	Final
COOP0302-1	03-15-2002	4900200	Temperature, water	9.9	deg C	Final
COOP0302-1	03-15-2002	4900200	Dissolved oxygen (DO)	10	mg/l	Final
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COOP0201-1	02-15-2001	4900200	Dissolved oxygen (DO)	9.1	mg/l	Final
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LA072605-1	07-27-2005	4900430	Temperature, water	24.32	deg C	Final

Standard (Abbreviated)

Click **Default Search Criteria**.

Data Analysis

Graphs
Maps
Reports
Exports
All
Metadata

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Organization 9	12,706	78,956	05-04-1989	09-26-2017
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COOP0802-1	08-15-2002	4900200	pH	7.8	None	Preliminary
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COOP0804-1	08-15-2004	4900200	Dissolved oxygen (DO)	12.1	mg/l	Final
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LA072605-1	07-27-2005	4900430	Dissolved oxygen (DO)	5.99	mg/l	Accepted
LA072605-1	07-27-2005	4900430	Temperature, water	24.32	deg C	Final

Results
Metrics
Indexes
Continuous Results

Standard

Activity Type	Media	2015	2016	2017
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Field Msr/Obs	Biological	3,539	3,531	3,974
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Sample-Integrated Vertical Profile	Water	3,508	3,247	3,508
Sample-Routine	Biological	3,391	459	641
Sample-Routine	Other	641	567	1
Sample-Routine	Tissue	7,345	3,549	4,291
Sample-Routine	Water	157,049	134,948	135,505

Result Summary (version 2)

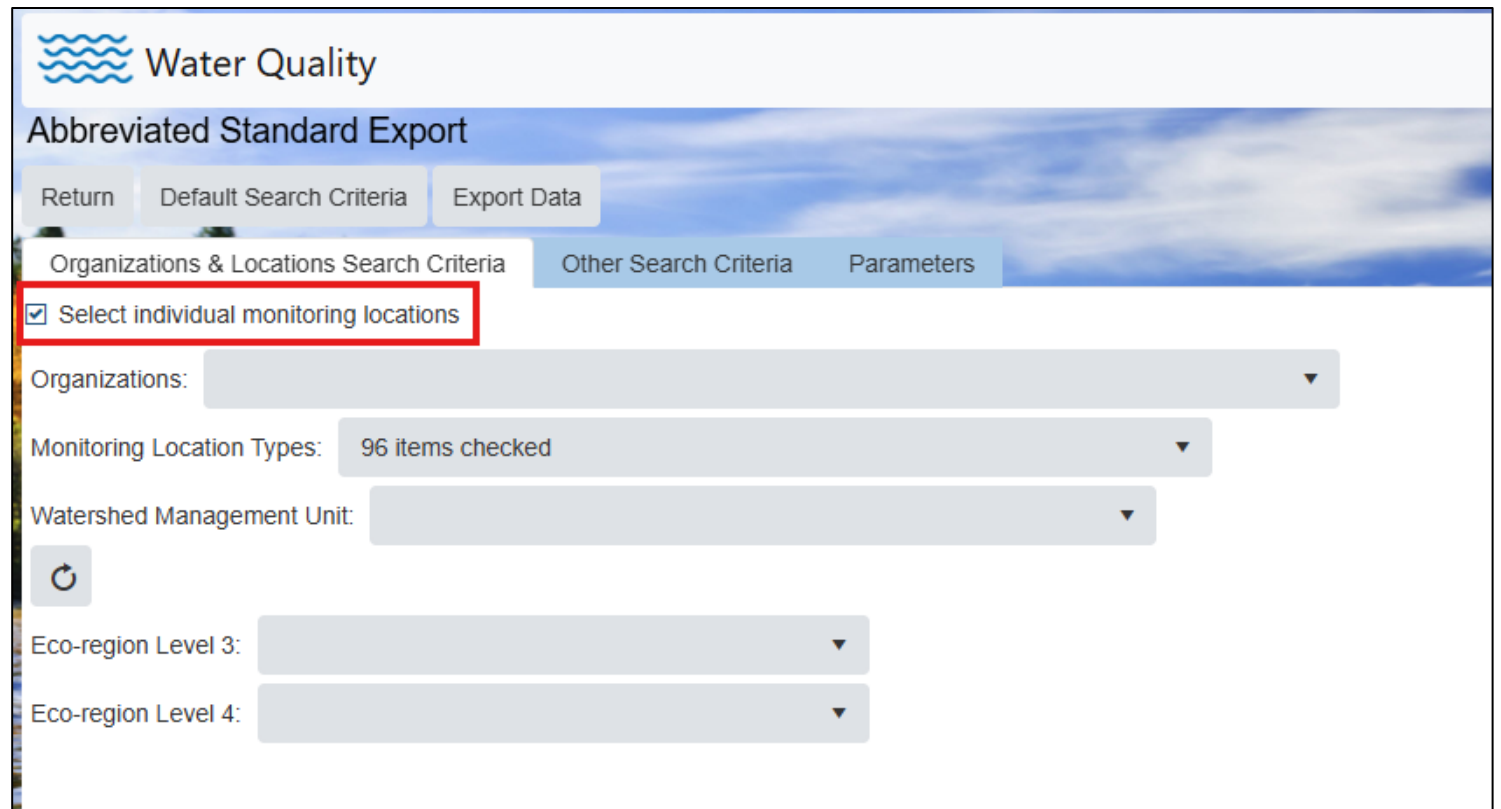
Monitoring Location ID	Date	Media	Dissolved oxygen (DO) (mg/l) Total		pH (None) Total	
			Value	N	Value	N
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4900450	07-23-2007	Water	13.07	4*	10.41	4*
4900450	09-15-2008	Water	6.94	6*	9.61	7*
4900460	07-27-2005	Water	7.61	5*	10.31	5*
4900460	09-22-2005	Water	8.80	9*	9.65	9*

Crosstab

Default Search Criteria

Standard (Abbreviated)

Check the **Select individual monitoring locations** checkbox.



The image shows a web interface for "Water Quality" with a header featuring a blue wavy logo. Below the header is a section titled "Abbreviated Standard Export" with a background image of a blue sky and clouds. This section contains three tabs: "Return", "Default Search Criteria", and "Export Data". Below the tabs are three sub-tabs: "Organizations & Locations Search Criteria", "Other Search Criteria", and "Parameters". The "Organizations & Locations Search Criteria" sub-tab is active and contains a checkbox labeled "Select individual monitoring locations", which is checked and highlighted with a red border. Below the checkbox are several dropdown menus: "Organizations:", "Monitoring Location Types:" (showing "96 items checked"), "Watershed Management Unit:", "Eco-region Level 3:", and "Eco-region Level 4:". A circular refresh icon is located to the left of the "Eco-region Level 3:" dropdown.

Water Quality

Abbreviated Standard Export

Return Default Search Criteria Export Data

Organizations & Locations Search Criteria Other Search Criteria Parameters

☒ Select individual monitoring locations

Organizations: [dropdown]

Monitoring Location Types: 96 items checked [dropdown]

Watershed Management Unit: [dropdown]

[refresh icon]

Eco-region Level 3: [dropdown]

Eco-region Level 4: [dropdown]

Click the **Globe** icon.

 Water Quality

Abbreviated Standard Export

Return

Default Search Criteria

Export Data

Locations Search Criteria

Other Search Criteria

Parameters

☒ Select individual monitoring locations







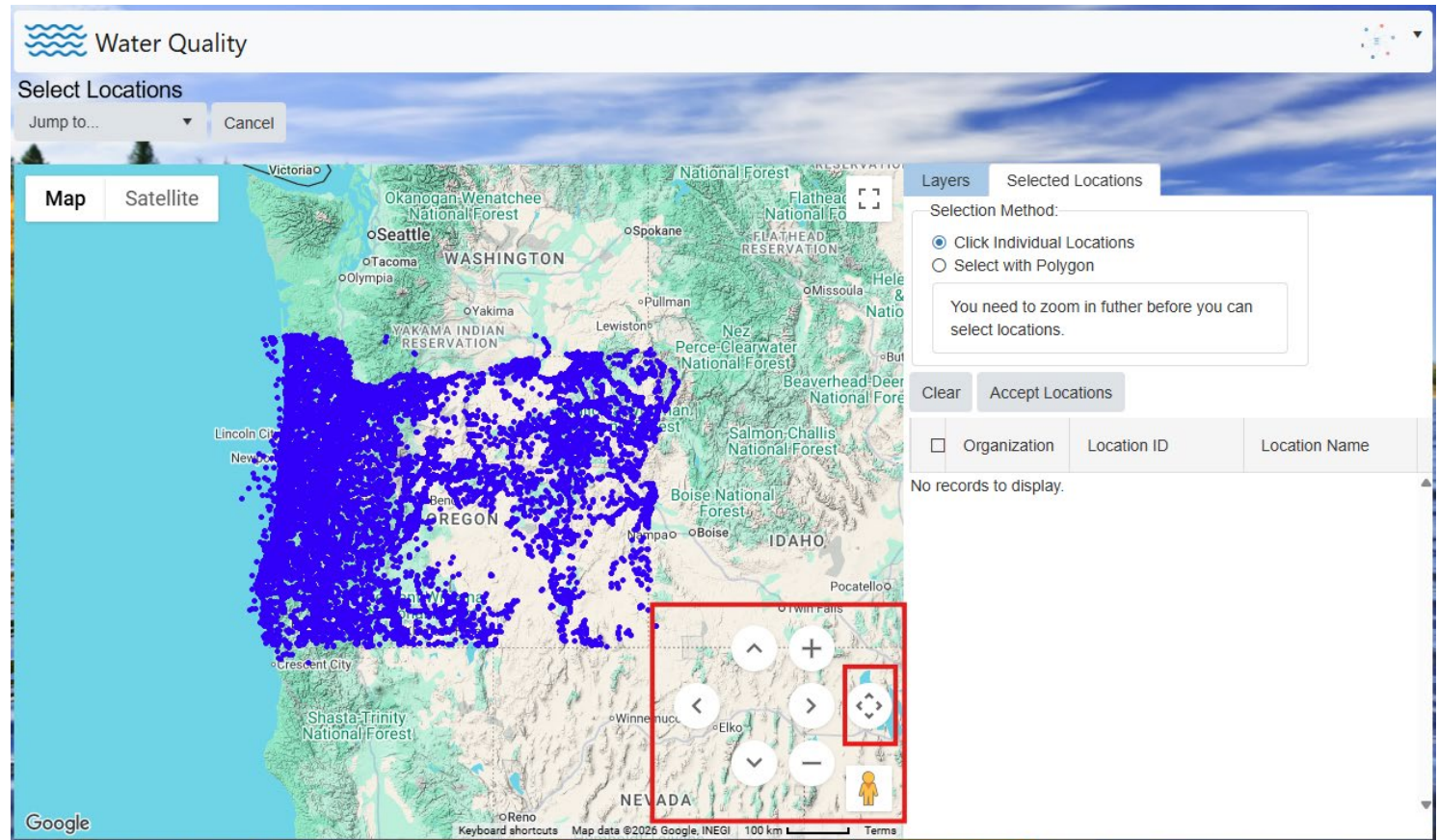


Delete	☐	Organization ID	Monitoring Location ID	Monitoring Location Name
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Use the icon buttons above to select the monitoring locations you wish to include

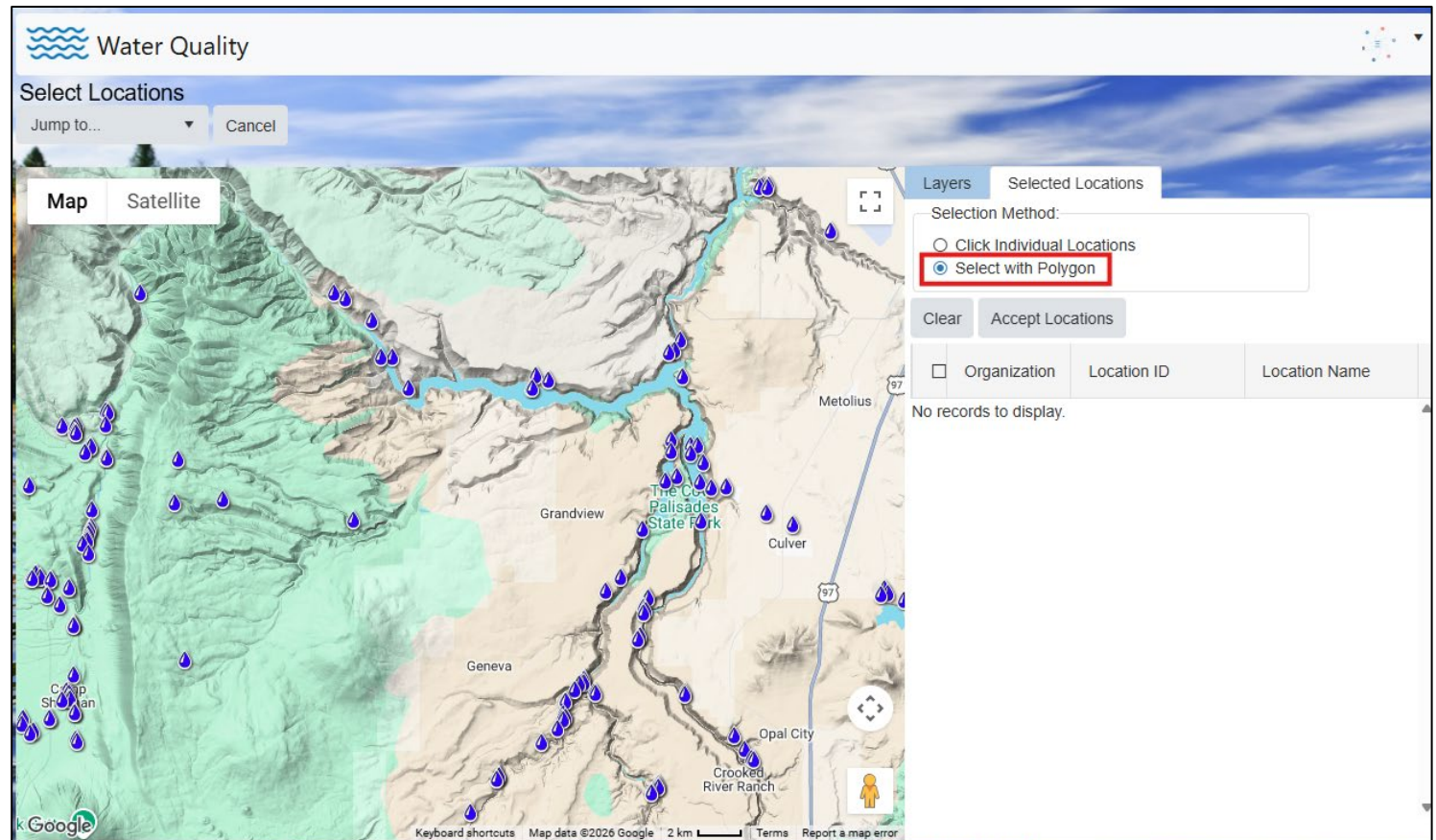
Use the map **to zoom in** on the water body of interest.

You can zoom by using your mouse (scroll wheel or click-and-drag) or by clicking the zoom tools shown in the red boxes on the map.



In this example, the map is zoomed in to Lake Billy Chinook.

Click **Select with Polygon**.



Click **Accept Locations** to continue.

10

Click the **Other Search Criteria** tab.

Specify the date range in the **Dates** section.

In this example, the date range is 01-01-2024 to 12-31-2025.

 Water Quality

Abbreviated Standard Export

Return

Default Search Criteria

Export Data

Locations Search Criteria

Other Search Criteria

Parameters

Types of Data *

☒ Discrete Results ☐ Biological Results ☐ Continuous Results ☒ Metrics ☒ Indexes

Dates *

Filter By:

Standard Date

☒ Absolute:

Date (min): 01-01-2024

Date (max): 12-31-2025

☐ Relative:

Past...

5

Years

☐ Only include this period (within each year):

January

1

To

January

End of Month

Activity Type *

☐ Category (general):

☒ Type (specific):

Field Msr/Obs, Field Msr/Obs-Habitat Assessment, Field Msr/Obs-Incidental, Field Msr/Obs-Portable Data Logger, Sa...

Result Status: *

Accepted, Final, Validated

Projects:

Media:

Water

Media Subdivision:

Relative Depth:

Sampling Component/Quadrat:

Contains

☐ Only include results created by me

Click the **Parameters** tab.

Use the **Parameter Groups** drop-down menu and select **HABs Toxins** from the list.

Water Quality

Abbreviated Standard Export

[Return](#) [Default Search Criteria](#) [Export Data](#)

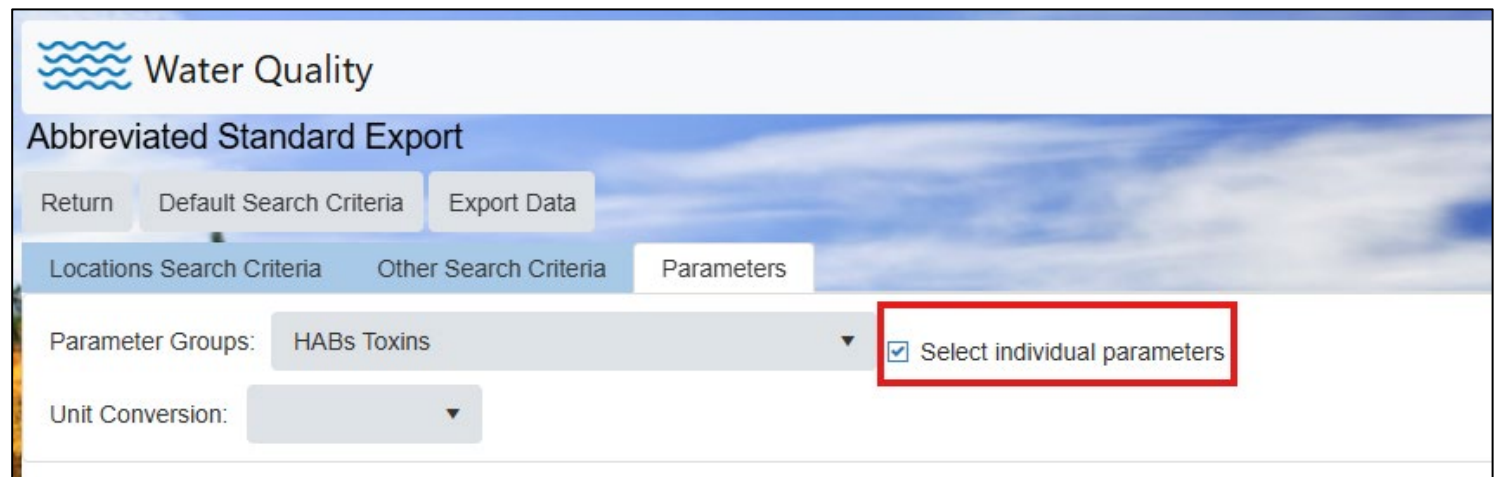
[Locations Search Criteria](#) [Other Search Criteria](#) [Parameters](#)

Parameter Groups: ☐ Select individual parameters

Unit Conversion:

- ☐ Check All
- ☐ Acid Extractable RPA
- ☐ Ambient Water Quality
- ☐ Ambient Water Quality - ODA
- ☐ Ammonia RPA
- ☐ Base Neutral RPA
- ☐ Biotic Ligand Model
- ☐ DO RPA
- ☐ EPA Aluminum MLR
- ☐ **HABs Toxins**
- ☐ Metals RPA
- ☐ PCBs
- ☐ Pesticides and PCB RPA
- ☐ pH RPA
- ☐ Semi-volatile Organic Compounds
- ☐ Volatile Organic Compounds
- ☐ Volatile Organic Compounds RPA
- ☐ Water Quality Index

Check the **Select individual parameters** checkbox.



The image shows a web interface for "Water Quality" with a header featuring a blue wavy logo. Below the header, the title "Abbreviated Standard Export" is displayed. A navigation bar contains three tabs: "Locations Search Criteria", "Other Search Criteria", and "Parameters", with the "Parameters" tab currently selected. Below the tabs, there are three buttons: "Return", "Default Search Criteria", and "Export Data". The main content area includes a "Parameter Groups:" label followed by a dropdown menu showing "HABs Toxins". To the right of this dropdown is a checkbox labeled "Select individual parameters", which is checked and highlighted with a red rectangular border. Below the parameter group selection, there is a "Unit Conversion:" label followed by another dropdown menu.

Click the boxes to select **the four cyanotoxins**.

Click the **Export Data** tab.

 Water Quality

Abbreviated Standard Export

Return

Default Search Criteria

Export Data

Locations Search Criteria

Other Search Criteria

Parameters

Parameter Groups: HABs Toxins

Select individual parameters

Parameter Columns:

Refresh Parameter List

Show selected parameters only

Unit Conversion:

☒	Parameter Name	Unit	Total # of Results
☒	Anatoxin-A	ug/L	43
☒	Cylindrospermopsin	ug/L	48
☒	Microcystin	ug/L	50
☒	Saxitoxin	ug/L	43

Please wait as the data exports.

 Water Quality

Dataset Details

Return

Cancel

Dataset Information:

Type: Standard Export (Abbreviated)

Status: Exporting File

Event Log: 0 Errors, 0 Warnings, 2 Messages

View Log

Start Time: 07-04-2026 12:30:53 AM

End Time:

File/Transaction ID: Standard Export Abbr 36635.xlsx

 **Dataset is processing**

Feel free to navigate to other pages (within GSE Water Quality) while a long-running dataset is processing. A progress bar will display on all pages so that you can continue to monitor it.

The data is ready for download.

Click the **file name** at the bottom of the page. A download prompt will appear, allowing the user to save the file.

The screenshot shows the 'Water Quality' dataset details page. At the top, there's a 'Dataset Details' header with 'Return' and 'Delete' buttons. Below this, the 'Dataset Information' section shows 'Type: Standard Export (Abbreviated)' and 'Status: Exported File'. A green notification box on the right states 'Export Successful!' and provides instructions on how to download the document. The 'Export Event' section shows the start and end times of the export. Below that, an 'Event Log' table shows a message with a count of 8 and a 'View Log' link. At the bottom, the 'Documents' section lists a file named 'Standard Export Abbr 36635.xlsx', which is highlighted with a red box.

Water Quality

Dataset Details

Return Delete

Dataset Information:

Type: Standard Export (Abbreviated)

Status: **Exported File**

Export Successful!

The dataset was successfully exported.

You can download and open the document by clicking the link in the 'Documents' table (below).

Export Event

Start Time: 07-04-2026 12:30:53 AM

End Time: 07-04-2026 12:31:03 AM

Event Log:

Message Type	Count	Event Log
Message	8	View Log

Documents:

Name
Standard Export Abbr 36635.xlsx

Thank you for using AWQMS to search for data. For additional instructions, please visit [DEQ's Water Quality Monitoring Data web page](#) or email [WQDataHelp](#) for assistance.

Non-discrimination statement

DEQ does not discriminate on the basis of race, color, national origin, disability, age, sex, religion, sexual orientation, gender identity, or marital status in the administration of its programs and activities. For translations or alternate formats, visit DEQ's [Civil Rights and Environmental Justice page](#).