



OKLAHOMA




Water Resources Board

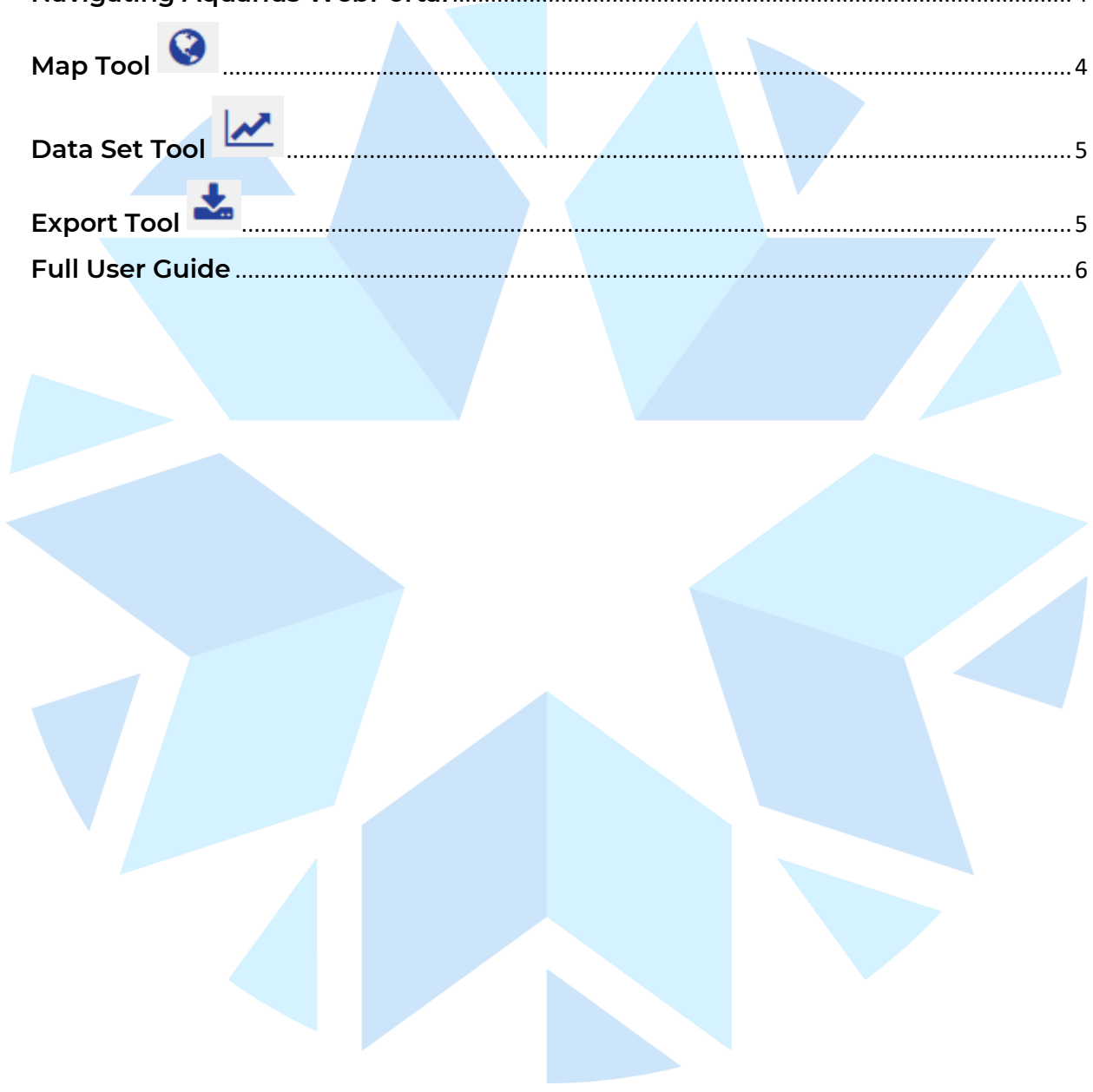
Water Data and Analysis Tools

*Getting Started Guide for Continuous
Data in Aquarius*

Oklahoma Water Resources Board, September 2023

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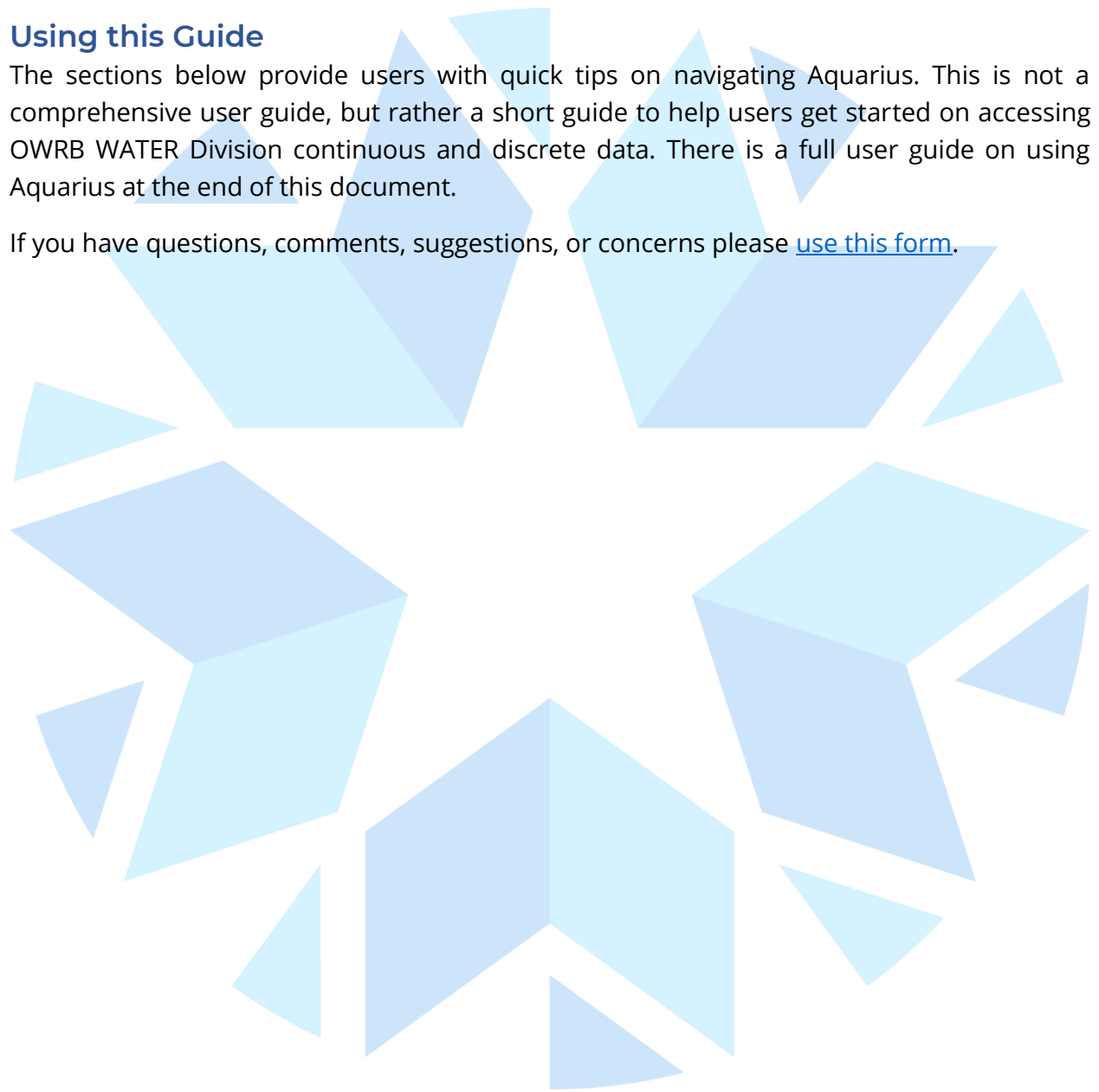
Overview

The OWRB stores data in two continuous and discrete databases managed by the OWRB Water Assessment, Trends, and Environmental Research (WATER) Division. These two databases are Ambient Water Quality Monitoring System (AWQMS), which houses OWRB's discrete data and Aquarius WebPortal, which houses the WATER division's continuous data.

Using this Guide

The sections below provide users with quick tips on navigating Aquarius. This is not a comprehensive user guide, but rather a short guide to help users get started on accessing OWRB WATER Division continuous and discrete data. There is a full user guide on using Aquarius at the end of this document.

If you have questions, comments, suggestions, or concerns please [use this form](#).



Aquarius Web Portal Getting Started Guide

OWRB collects discrete and continuous water quality and quantity data from lakes, streams, and groundwater across the state and these data are available through the links below. Discrete data is collected for physical, chemical, and biological parameters for many state and federal projects. Continuous data includes water levels of wells and stream gages—these data are collected using data loggers reporting readings in near real-time intervals.

Continuous data, including water well level, stream stage, or discharge, are collected using data loggers that report readings in real-time intervals. Aquarius Time-Series is a web-based data management platform utilized by the OWRB to manage and store continuous water quality and quantity data. Currently, continuous data are only available for rivers/streams and groundwater.

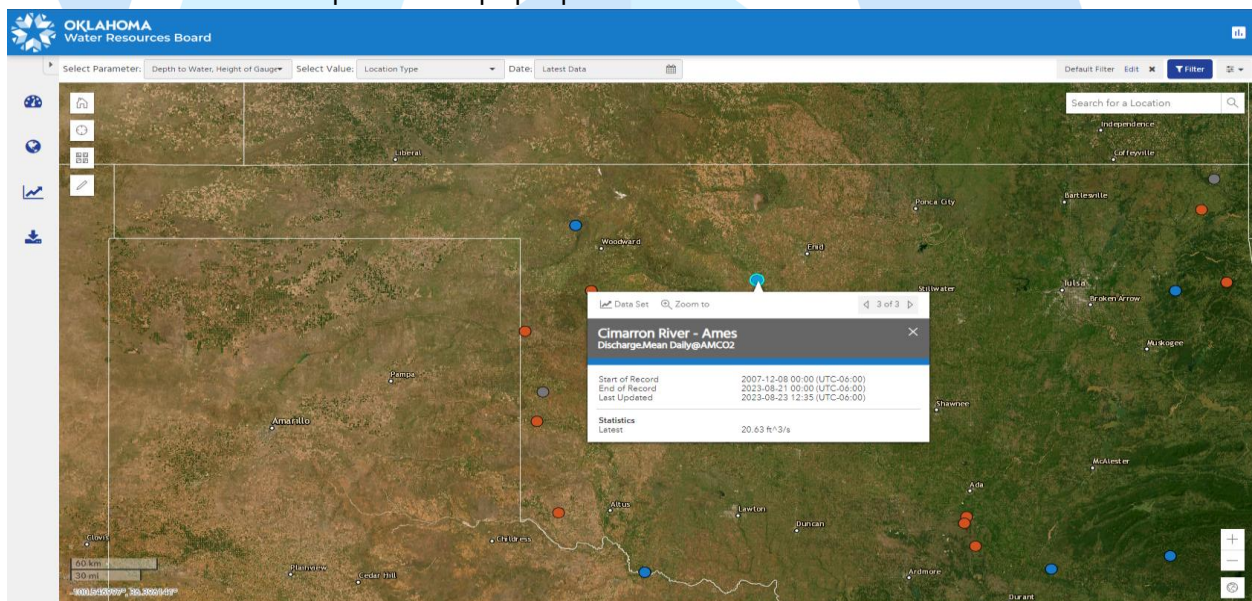
Navigating Aquarius WebPortal

Monitoring locations may be selected using the Map tool or the Data Set tool, both of which are located on the left sidebar of Aquarius WebPortal.

Map Tool

The Aquarius WebPortal Map tool may be selected using either the map icon on the left sidebar, or by selected one of the three continuous data links on the WDAT dashboard. From the Map tool, users may select individual monitoring locations, change view by selecting parameters, or adding a filter.

Selecting a monitoring location on the map will activate a pop-up with all datasets based on selected parameters. From this pop-up, users can view the length of record for each available time-series and can view the dataset using the “Data Set” button. Use the screenshot below for reference on the Map tool and pop-ups.

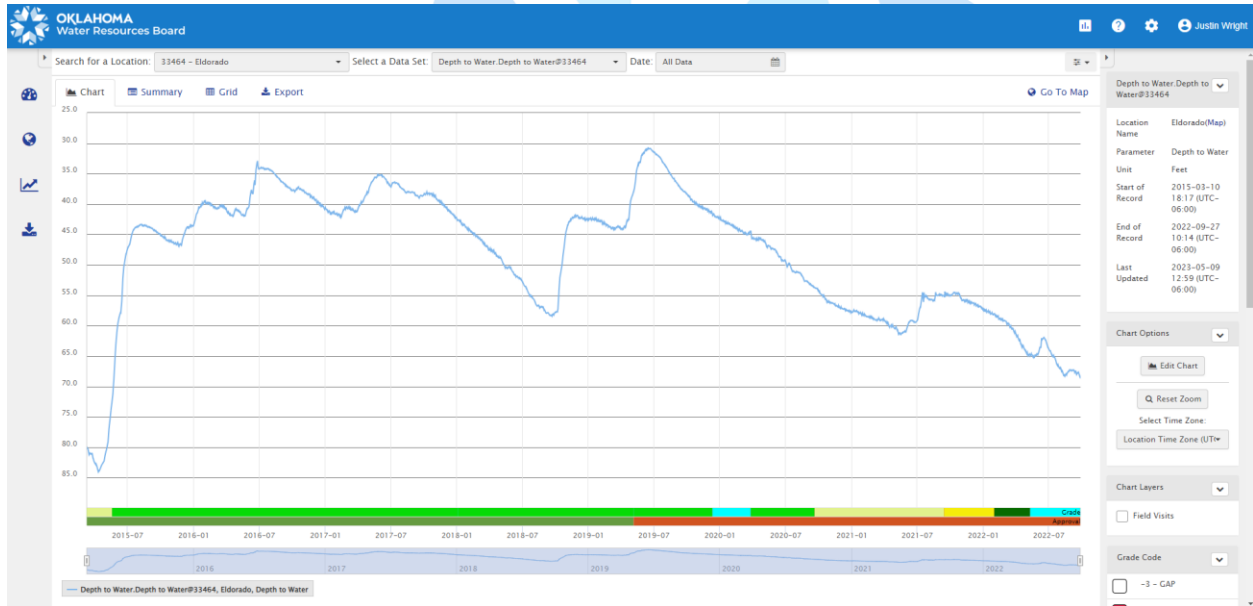


Data Set Tool



The Data Set tool allows users to view charts of data sets, view location summary data, and export site data. This tab will automatically be selected when a user chooses to view datasets from the map tool. See below for a reference on the Data Set Tool.

Note: When accessing data, it is recommended to select a site from the Map Tool rather than searching for a location in the Data Set tool.



Export Tool



The Export tool allows users to export data from Aquarius WebPortal and access API URLs for consistent and automatic exporting. This tool is helpful for exporting data from multiple sites, while the Data Set tool as noted above only allows for site-by-site exports. Using the "Add Data Set" button users may select one or multiple data sets to be exported. An example set-up for exporting a CSV is included below.

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Export Data

The Export tab is used for bulk exporting many Data Sets as a time-aligned file with data aggregated to a common interval. For exporting a single Data Set, the Data Set > Export tab can be used.

Prefill from Template:

Date Range: Custom

Custom Range: 2023-01-01 00:00 to 2023-08-30 00:00

Time Zone: First Data Set's Time Zone

Interval/Points: Points as recorded

Export Format: CSV

Single/Multi File: Single Time-Aligned File One File Per Data Set

Rounding: Full Precision Round Data to Default Specification

Include Grade Codes?: Yes No

Include Interpolation Types?: Yes No

Include Approval Levels?: Yes No

Data Sets

The Export tab is used for bulk exporting many Data Sets as a time-aligned file with data aggregated to a common interval. For exporting a single Data Set, the Data Set > Export tab can be used.

Entire Period of Record: 2005-03-02 14:00 (UTC-06:00) - 2023-08-23 12:00 (UTC-06:00)
Overlapping Period of Record: 2006-08-16 12:45 (UTC-06:00) - 2023-08-18 12:00 (UTC-06:00)

Location	Data Set	Conversion Option
CCWO2 - Washita River - Cordell	Stage.Instantaneous@CCWO2	Value in Feet
CLYO2 - Little River - Cloudy	Stage.Instantaneous@CLYO2	Value in Feet

Period of Record: 2005-03-02 14:00 - 2023-08-23 12:00 (UTC-06:00)

Period of Record: 2006-08-16 12:45 - 2023-08-18 12:00 (UTC-06:00)

Export URL: <https://data-owrb.aquaticinformatics.net/Export/BulkExport?DateRange=Custom&StartTime=2023-01-01&EndTime=2023-08-31>

This URL can be copied and used to download the data directly for easier automatic exporting.

DATA DOWNLOAD DISCLAIMER: 1. ACCURACY AND UTILITY. The OWRB makes every effort to provide and maintain accurate, complete, usable, and timely information. However, some data, including any data without an approval level of "Final", and information may be preliminary in nature and are provided with the understanding that they are not guaranteed to be permanent, correct, or complete. Data may be updated routinely, therefore, updates to the information provided by the OWRB must be obtained by an additional request. Conclusions drawn from or actions undertaken on the basis of such data and information are the sole responsibility of the Interested Party. Although these data have been processed successfully on a computer system at the OWRB, they are provided with the understanding that accuracy or utility of the data on any other system or for general or scientific purposes is not guaranteed. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate data set limitations, restrictions, or intended use. The OWRB shall not be held liable for improper or incorrect use of the data described and/or contained herein. 2. WARRANTIES AND LIABILITY. These materials, provided by the State of Oklahoma, any agency or division thereof, and/or any of their employees, contractors, or subcontractors, including the OWRB, are provided (a) WITHOUT ANY WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES FITNESS FOR A PARTICULAR PURPOSE, (b) without assuming any legal liability or responsibility for the accuracy, completeness, usefulness of any information, apparatus, product, or process disclosed, and (c) with no representation that its use would not infringe on privately owned rights. Use of these materials constitutes acceptance of this disclaimer of liability. 3. By downloading data the user accepts the above terms and conditions for data usage.

Full User Guide

A full user guide for Aquarius WebPortal can be found [here](#).