

WQX User Call

September 26, 2024

There were approximately 43 participants on the call.

Agenda:

1. WQX Project Status Report (25 mins)
 - WQX/WQXWeb performance/updates (Kevin)
 - WQX Helpdesk report (Shay)
 - WQX Tip-of-the-month (Adam)
 - Report out from last week's e2i conference (Adam)
 - WQX questions/comments
2. WQP Status Report (15 mins)
 - WQP General Status Report
 - i. BETA Updates - Project ID now available for testing
 - ii. BETA testing - Please continue to test and send reports
 1. Look at an example of new Beta service in Action - HABs Dashboard
 - iii. WQP questions/comments
3. Open Discussion
 - Other topics/questions

[National Monitoring Conference – Working Together for Clean Water
\(nwqmcconference.org\)](https://nwqmcconference.org)

March 10 to 14, 2025, in Green Bay, Wisconsin

I. **WQX Project Status Report**

A. **WQX Status Report**

1. WQX Data 1 on 1 assistance is supported via the WQX Helpdesk. Email [wxq@epa.gov](mailto:wqx@epa.gov)
2. NO services disruptions
3. Cleaned Up WQX Node services (QUERY, SOLICIT) for WQX 3.0 PRODUCTION and STAGING
4. Current development Sprint#1 planned deployment to Production on December 13, 2024 supports the following:
 - a) WQX Web Review enhancements: MonitoringLocation, Result
 - b) WQX Web Review API services: Project, MonitoringLocation, Result
5. Bugfixes and enhancements: Well, Comparable elements, Unit Target update, Administrator Menu track TransactionType, Origin
6. WQX Dev - WQX-238 Enable hyperlinks for all Import Configuration Elements with domain values to review and/or download individual "Domain Values" list (7/12)

B. **WQX Helpdesk report (Shay)**

Currently working on documentation , including accessing the WQXWeb API.

- Around 80 user support requests over the last month
 - ~ Mostly user registrations
 - ~ 20 User support
 - ~ 10 domain value resolution
- Average response to inquiry was ~45 min, average resolution around ~30 hrs

C. **WQX Tip-of-the month - Sharing Import Configurations**

Import Configurations are customized mappings of your datasets used to import your data and make all necessary conversions to the WQX data standard, including structure, field names, and values. Import configs may need to be shared with fellow staff, partners, or the larger community.

1. You've created or edited a new import configuration file that follows a data format your organization will use over and over again, and you'd like to share this file with others.

EPA Log Out (43 m)

Home Page Setup Domain Values Import & Submit Review Help

Import Configuration

Return Save Save As Save To File Cancel Delete Change User Rights Options Show Columns as Numbers

Type: Results & Activities
 Owner: Training User 2 [Change Owner](#)
 Name: WQX CrossTab Example FieldObs
 Description: Example import configuration file for wide data
 File Type: Microsoft Excel (xlsx)
 Worksheet(s) to Import: 1st (note: the "1st" worksheet is the left-most tab of the Excel Workbook)

Generated Values (not in your import file):

Entity	Entity #	Element	Value	Format
Organization	All	Organization ID	WQXTEST	
Activity	All	Activity ID	[Automatic - See Options]	
Activity	All	Activity Type	Field Msr/Obs	
Activity	All	Activity Media Name	Water	
Activity	All	Activity Start Time Zone	PST	
Activity Project	All	Project ID	WQX LAB Ex	

Header-Row Columns (a single value here applies to each regular row of your import file):

Column	Row	Entity	Entity #	Element	Format	Translations
1	(Ignore Row)					

Regular Columns (starting at row 2 of your import file)

Column	Entity	Entity #	Element	User Supplied Element Name	Format	When Column...	Then Use These Values	Translations
A	Activity	1	Activity ID User Supplied	SampleID				0 Edit
B	(Ignore Column)			WaterbodyID				
C	(Ignore Column)			Basin				
D	(Ignore Column)			WaterbodyName				

Example import configuration

1. Mechanisms to share: a) Give access within WQX Web to select users, b) Save file and export as a .cfg; c) Create a template in WQX for all users (admin only)

Home Page Setup Domain Values Import & Submit Review Help

Import Configuration

Return Save Save As Save To File Cancel Delete **Change User Rights** Options Show Columns as Numbers

Type: Results & Activities
 Owner: Training User 2 [Change Owner](#)
 Name: WQX CrossTab Example FieldObs
 Description: Example import configuration file for wide data
 File Type: Microsoft Excel (xlsx)
 Worksheet(s) to Import: 1st (note: the "1st" worksheet is the left-most tab of the Excel Workbook)

- a. Grant access to others in WQX Web
 - i. Add a WQX User from the drop-down menu and define Access Type (Read Only, Edit, Edit/Delete) > Save

EPA

Home Page Setup Domain Values Import & Submit Review Help

User Access Rights

Return Save Cancel

Import Configuration: Training User 2 - WQX CrossTab Example FieldObs - 8821

	User	Access Type
Delete	Training User 2	Edit/Delete
Add	Adam Griggs	Edit/Delete

- ii. Now assigned users will be able to access this import configuration by going to Setup > Import Configurations

b. Export as .cfg file

- i. With your Import Configuration file open – go to Save To File

Import Configuration

Return Save Save As Save To File Cancel Delete Change User Rights Options Show Columns as Numbers

Type: Results & Activities

Owner: Training User 2 [Change Owner](#)

Name: WQX CrossTab Example FieldObs

Description: Example import configuration file for wide data

File Type: Microsoft Excel (xlsx)

Worksheet(s) to Import: 1st (note: the "1st" worksheet is the left-most tab of the Excel Workbook)

- ii. Give your import configuration file a name and save as a .cfg on your computer. Now you can share this file outside of WQX Web (e.g., email, SharePoint, etc).

c. Request permission for WQX to release Import Configuration as a Template

- i. Reach out to WQX Helpdesk to request sharing the import configuration to a broader community.

D. Report out from last week's e2i conference

Environmental Information and Innovation - Conference for the Exchange Network.

Sessions included:

- Plenary - Data Modernization in EPA Air and Water Programs
- Better Data for Better Water Management
 - Big Valley Band of Pomo Indians - Their new R Shiny front-end and Python WQXWeb API submission tool.

- Oklahoma Water Resources Board - Shared their latest work to map NARS program data to the WQX data model. Recently shared their definition list with me, so I have that on-hand as a resource if your program is looking to adopt NARS protocols/apps.
- Focus on Water Quality
 - MassBays National Estuary Partnership - MassWaterR and new QAPPTool
 - Use of APIs in Water Data Up/Down - the WQXWeb API and WQP API services
- Spotlight on Geospatial Innovations
- AI/Machine learning
- Sessions on many other exchange flows
- Other.

Session recordings and slide decks are up and available on the [e2i conference](#) website.

E. WQX - Comments, questions

2. WQP Status Report (10 mins) (Candice and Lee)

There has not been much recent development on the WQP. We are working on some upstream database issues. If you do experience any issues, please report those to the Helpdesk (will get sent to WQP team).

The Project ID field has been added to both Beta services and the Beta UI. Development will kick off again in the new fiscal year.

Filter Results

Specify data source, date range, and sampling filters to apply to the desired dataset. All fields are optional.

Sample Media ⓘ

All Sample Media

Characteristic Group ⓘ

All Characteristic Groups

Manually add Characteristic Groups not in the dropdown

Add Field

Characteristics ⓘ

All Characteristics

Manually add Characteristics not in the dropdown

Add Field

Project ID ⓘ

All Project IDs

Parameter Code(NWIS ONLY) ⓘ

All Parameter Codes

Date Range ⓘ

Dates should be entered as mm-dd-yyyy

from:

mm-dd-yyyy

to:

mm-dd-yyyy

II. Open Discussion/ Other/Wrap-up

Brief demo showing GIS StoryMap and Dashboard to highlight cyanotoxin data in WQP

Our next WQX/WQP User call will be October 24th at 12pm ET.

[National Monitoring Conference – Working Together for Clean Water \(nwqmcconference.org\)](https://nwqmcconference.org)

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WQX Data Assistance

EPA WQX offers you a single point of contact to assist you with any questions or needs for your data submission and retrieval. We are here to help you succeed! For custom support, please request an appointment for individual assistance with a WQX data advisor.

What is "1 on 1" data assistance?

- We provide individualized, in-depth assistance to partners and programs conducting individual or group data monitoring.
- A WQX data advisor will schedule a meeting with you based on your best availability to help you with your project/assignment.
- Open to all WQX/WQX Web users.
- Sessions can last from 15 minutes to 1 hour.
- Sessions can be scheduled within the weekday hours of 8am to 7pm EST by appointment.
- If you had a "1 on 1" session, you may also request follow-up assistance via email to WQX Helpdesk ([wx@epa.gov](mailto:wqx@epa.gov)).
- If you have a basic question, a faster way to get an answer is to chat with us.

To speak with a WQX representative, please call [800-424-9067](tel:800-424-9067) ([wx@epa.gov](mailto:wqx@epa.gov)).