

WQX User Call

March 28, 2024

Agenda:

1. WQX Status Report
 - WQX/WQXWeb updates (Kevin/Adam)
 1. WQXWeb Demo of New Release!: March 15, 2024
 1. Demo: Alert Banner, Detailed Reports, bugfix sample collection equipment, QAQC domain status, Auto-populate “User Supplied” domain values
 - WQX helpdesk report (Shay/Jessy)
2. Water Quality Portal Status Report
 - WQP General Status Report (Candice/Lee)
 - Feedback on available Profiles via BETA Portal User Interface (UI)
 1. <https://www.waterqualitydata.us/dp-services/ui/resultProfiles.html>
3. Open Discussion/Office Hours
 - WQP/WQX questions/comments
 - Any other topics/questions
 - Current SME Needs:
 1. Algal/Diatom Taxonomy
 2. ChIA monitoring and data management

Note: The next WQX/WQP User Call will be this Thursday, April 25th 2024, 12-1pm ET

NOTES

1. **WQX Project Status Report**

a. WQX Status (Kevin)

March 1 had a WQX and WQXWeb release. We updated the QAQC services and made a suite of WQXWeb enhancements. This last Sprint was Sprint 2, we are now in Sprint 3 of the year. The most significant enhancement of the Sprint 2 release is the full updating of the WQX 3.0 schema, allowing for easy Unique Identifier renaming (Projects, Activities, Locations, etc.). Sprint 3’s largest development ticket will include enhancements to the review report functions within the API, making the full schema retrieval available to API users.

b. WQX/WQXWeb performance/updates

Key	Summary	Ticket
WQX-105	Align WQX Web to support rename schema primary identifiers	Task
WQX-154	Enhancements to the homepage Ability to post Notices on homepage now.	Task
WQX-168	WQX Web allows user to import sample collection context without sample collection method ID.	Bug
WQX-177	Dataset Details Page - Add summary of criteria. Dataset details page now shows any options set from the import config.	Task
WQX-186	Project Identifier Rename Import Configuration and WQX Update	Task

Dataset Details

Return Delete Export & Submit to CDX

Dataset Information:

Type: Results & Activities
 Import Configuration: [Buzzards Bay NEP - BBSC data delivery November 2023](#)
 Type of File: Xlsx
 Worksheet(s) to Import: 1
 Organization ID: WQXTEST

Generated Values:

Element	Generated Value
Activity ID	[Automatic - See Options]
Sample Collection Equipment Name	Water Bottle
Result Status ID	Final
Result Analytical Method Context	WQXTEST

Options:

- Ignore First Row
- Auto Submit
- Copy Result Unit To Detection Limit Unit
- Generate Activity Id
- Auto Export
- Auto Export Condition Only When No Errors
- All New And Existing Data

Status: Exported

The screenshot shows the EPA 'Import Configurations' page. At the top, there is a navigation menu with 'Home Page', 'Setup', 'Domain Values', 'Import & Submit', 'Review', 'Administrator', and 'Help'. Below the menu are buttons for 'Search', 'Clear Search Criteria', and 'Add New'. The main content is a table with two tabs: 'Search Criteria' and 'Configurations'. The 'Configurations' tab is active, displaying a table with columns 'ID', 'Type', and 'Name'.

ID	Type	Name
5	Activity Group IDs to Delete	Delete Activity Groups (Template)
15	Activity Group IDs to Update	Rename Activity Group Identifiers (Template)
4	Activity IDs to Delete	Delete Activities (Template)
13	Activity IDs to Update	Rename Activity Identifiers (Template)
3	Index IDs to Delete	Delete Indexes (Template)
14	Index IDs to Update	Rename Index Identifiers (Template)
2	Monitoring Location IDs to Delete	Delete Monitoring Locations (Template)
12	Monitoring Location IDs to Update	Rename Monitoring Location Identifiers (Template)
1	Project IDs to Delete	Delete Projects (Template)
11	Project IDs to Update	Rename Project Identifiers (Template)
9	Results & Activities	Add Project ID(s) to existing Activities (Template)
10	Results & Activities	Update Result Status (Template)

WQX-187

Monitoring Location Identifier Rename Import Configuration and WQX Update

Task

The screenshot shows the 'Import Configuration' form for 'Rename Monitoring Location Identifiers'. The form includes fields for 'Type' (Monitoring Location IDs to Update), 'Owner' (System), 'Name' (Rename Monitoring Location Identifiers), 'Description', 'File Type' (Microsoft Excel (xlsx)), 'Worksheet(s) to Import' (1st), and 'Template Use' (Direct Use Required). Below these fields is an 'Attachments' section and a 'Generated Values' section. The 'Generated Values' section shows a table with 'Entity' (Organization Identifier Update). The 'Columns (in your import file)' section shows a table with columns 'Column', 'Entity', and 'Element'.

Column	Entity	Element
A	Monitoring Location Identifier Update	Old Monitoring Identifier
B	Monitoring Location Identifier Update	New Monitoring Location Identifier

WQX-188

Activity Identifier Rename Import Configuration and WQX Update

Task

WQX-189

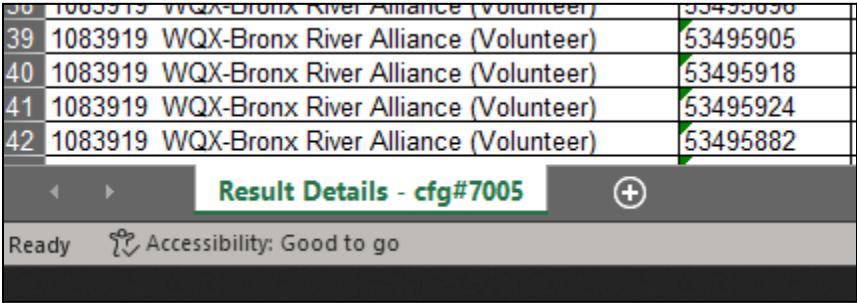
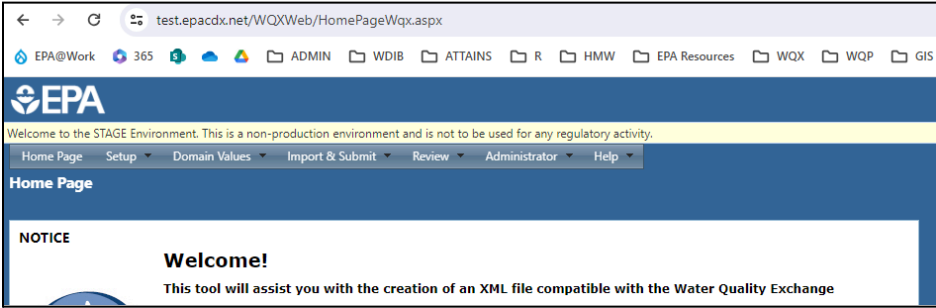
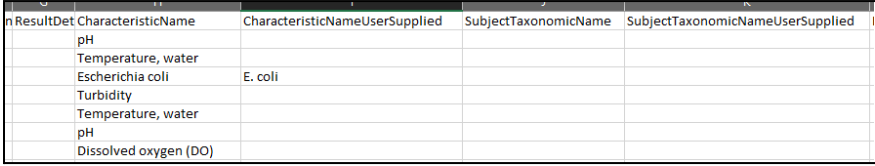
Index Identifier Rename Import Configuration and WQX Update

Task

WQX-190

Activity Group Identifier Rename Import Configuration and WQX Update

Task

<p>WQX-200</p>	<p>Rename worksheet tab for each Detail Export File with corresponding Import Configuration number</p> 	<p>Task</p>
<p>WQX-203</p>	<p>Display banner indicating that user is working in the STAGE environment</p> 	<p>Task</p>
<p>WQX-205</p>	<p>Add additional values for QAQC services and Domain Status</p> <ul style="list-style-type: none"> ● Accepted ● Rejected ● Y ● N ● Not Reviewed ● InvalidMediaUnit ● MethodNeeded ● InvalidChar ● NonStandardized 	<p>Task</p>
<p>WQX-208</p>	<p>Store submission value for CharacteristicName and SubjectTaxonomicName using NULL UserSupplied element</p> 	<p>Task</p>

c. WQX Helpdesk report (Shay)

160 tickets received in the last month, most common being user and organization requests. Working on some issue tracking. Currently working on a JIRA Confluence page which will hold all of our documentation, both processes and user documentation.

d. WQX - Comments, questions

Matthew - Will there be an Activity retrieval endpoint in the API? Answer - We try not to duplicate capabilities at the Portal. We do support detailed Activity Reports in the UI for the user's Organization, but not a list of Activity IDs matching a query across datasets. The current Activity Reporting functions will be made available in the API in the next sprint.

2. Water Quality Portal Status Report

a. WQP General Status Report (Candice/Lee)

There are a lot of changes coming. There is a banner on the WQP noting that USGS data has been frozen since March 11. This freeze will be in place until the USGS completes its data migration to the new system.

Profiles - In the month of April, we will be releasing the first 3 new WQX 3.0 profiles in a new UI. Those new profile services will serve the USGS data. Please do review these beta profiles as they become available in the UI, or now through the GraphQL service. We expect to release them to the Public some time in April. You should be able to find them from the current UI.

Three new Profiles released in Beta Now:

1. Monitoring Location Profile
2. Narrow Results PRofile
3. Full Physical Chemical Profile

Timeline:

Next week USGS will start releasing their data to the public in the WQX format. Data will be available on the USGS website first. There will be a UI that looks similar to the WQP for just USGS data. There is a [blog post](#) that will describe all these changes. In the coming weeks, we will be able to release additional Profiles as they are wrapped up. Please do review and provide

feedback (in the next few weeks, if possible) so we can try to make final edits before releasing these publicly.

- b. Feedback on available Profiles via BETA Portal User Interface (UI)
 - i. <https://www.waterqualitydata.us/dp-services/ui/resultProfiles.html>
- c. We are also working on improved outbound documentation of the 3.0 Profiles. There will be three new files that document The full outbound schema, the 2.2 to 3.0 crswlk, and metadata file which provides descriptions for all the fields. These will be included in updates to the User Guide.

New 3.0 outbound schema:

https://www.epa.gov/system/files/other-files/2024-02/schema_outbound_wqx3.0_lite_0.csv

Outbound schema with mappings to previous profiles:

https://www.epa.gov/system/files/other-files/2024-02/schema_outbound_wqx3.0_0.csv

Schema metadata:

https://www.epa.gov/system/files/other-files/2024-02/outbound_field_definitions.txt

3. Open Discussion/Office Hours

- a. WQP/WQX questions/comments
- b. Any other topics/questions
- c. Current SME Needs: If you have interest in participating in either working group, please reach out to Adam.
 - i. Algal/Diatom Taxonomy
 - ii. ChIA monitoring and data management

i. **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 ([wxq@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) ([wxq@epa.gov](mailto:wqx@epa.gov)).

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

5. Presentation

6. Open Discussion/ Other/Wrap-up

Our next WQX/WQP User call will be