

WQX User Call

July 28, 2022

There were approximately 28 participants on the call.

Agenda:

1. WQX Project Status Report (10 mins)
 - WQX/WQXWeb performance/updates
 - WQX Tip of the month - Attaching files.
 - WQX questions/comments
2. WQP Status Report (10 mins)
 - WQP General Status Report
 - WQP download profiles status
 - WQP questions/comments
3. Open Discussion
 - Other topics/questions

From <https://usepa-my.sharepoint.com/personal/griqgs_adam_epa_gov/Documents/Documents/WQX/User_Calls/Agenda.docx>

Notes:

1. WQX Project Status Report (10 mins)

The Helpdesk support has been operating at normal status. Contact Us: weekday hours of 8am to 6pm EST. Email ([wxq@epa.gov](mailto:wqx@epa.gov)) Call [800-424-9067](tel:800-424-9067). Following an Operating System patch EPA's www3 Archive web server continues to experiencing intermittent issue publishing files for public access. The issue was identified as intermittent and resolved. Users may be impacted by a delayed Portal refresh event (<https://www.waterqualitydata.us/data/lastETL>). Note – The WQP Refresh status is located at the bottom of Water Quality Portal homepage's footer section.

WQX successfully completed a WQX Web Azure Cloud migration event on June 30, 2022. During this **event**, the WQX Web application was deployed to a New cloud application server. SOME user impact expected: Users may experience some impact as a reduction in processing performance compared to the current "on-premise" server environment. Application will inherit new network latency transferring data from Cloud application server to the database server (separate location).

Note - WQX Web supports a new dataset import limit of less than 30,000 records (25k recommended). XML uncompressed file sizes are limited to 350 MB. One-to-many records and attached binary objects will contribute to the overall file size limit.

Upcoming event - On August 1, 2022, WQX will deploy a critical patch to the PRODUCTION node's XML parse and load software to improve database session management. There are two WQX Web Performance Tuning Issues: **Fix bug with WQX Web export xml** – very slow; Fix bug

with WQX Web re-validate button (slow) – domain values are resolved online without re-importing.

There are two planned maintenance events: The WQX Staging environment will perform a database upgraded on Friday **August 26th at 6 PM EST**. This will require at least 3 hours downtime for the applications. Once the upgrade is available in Staging, a period of testing the system between **August 29th and September 7th** has been planned before updating WQX Production. WQX Production environment will be upgraded on **September 9th**

2. WQX Tip of the month - Attaching files.

1) WQX supports the attachment of multiple files, pictures, or other attachments (objects) at all levels of the WQX data structure, including Projects, Monitoring Locations, Activities, and Results.

Files may include: QAPPs, documents, photos, images, geospatial coverages, sound files, etc.

More and more of these types of ancillary data are starting to show up in services such as How's My Waterway. Soon individual station pages will be added where site photos uploaded to WQX would be visible and available in the application.

PROJ Binary Object	02.01.00 Header	ProjectAttachedBinaryObject	Header; This section allows for the association of References and electronic attachments to the project, including formal Project Plan and any other documents, images, maps, photos, laboratory materials, geospatial coverages, and other objects associated with the Project..	PROJ Binary Object	02.01.00 Header
PROJ Binary Object	02.01.01	BinaryObjectFileName	The text describing the descriptive name used to represent the file, including file extension.	PROJ Binary Object	02.01.01
PROJ Binary Object	02.01.02	BinaryObjectFileTypeCode	The text or acronym describing the binary content type of a file.	PROJ Binary Object	02.01.02
Monitoring Location Binary Object	03.03.00 Header	AttachedBinaryObject	Header; This section allows for the association of References and electronic attachments to the Monitoring Location description including any other documents, images, maps, photos, laboratory materials, geospatial coverages, and other objects associated with the Project.	Optional; may have 0 to many for each instance of Monitoring Location	

Monitoring Location Binary Object	03.03.01	BinaryObjectFileName		The text describing the descriptive name used to represent the file, including file extension.	Conditional (see business rule)	string min 1 string max 255
Monitoring Location Binary Object	03.03.02	BinaryObjectFileTypeCode		The text or acronym describing the binary content type of a file.	Conditional (see business rule)	string min 1 string max 6
Activity Binary Object	05.05.00 Header	ActivityAttachedBinaryObject		Header; This section allows for the association of References and electronic attachments to the Activity description including any other documents, images, maps, photos, laboratory materials, geospatial coverages, and other objects associated with the Project..	Optional; may have 0 can have many per instance of Activity.	
Activity Binary Object	05.05.01	BinaryObjectFileName		The text describing the descriptive name used to represent the file, including file extension.	Conditional (see business rule)	string min 1 string max 255
Activity Binary Object	05.05.02	BinaryObjectFileTypeCode		The text or acronym describing the binary content type of a file.	Conditional (see business rule)	string min 1 string max 6
Result Binary Object	06.02.00 Header	AttachedBinaryObject		Header; This section allows for the association of References and electronic attachments to a Result description including any other documents, images, maps, photos, laboratory materials, geospatial coverages, and other objects associated with the Project..	Optional; may have 0 can have many per instance of Result	
Result Binary Object	06.02.01	BinaryObjectFileName		The text describing the descriptive name used to represent the file, including file extension.	Conditional (see business rule)	string min 1 string max 255
Result Binary Object	06.02.02	BinaryObjectFileTypeCode		The text or acronym describing the binary content type of a file.	Conditional (see business rule)	string min 1 string max 6

2. Files should be described by providing the file name of the appropriate object for that record and a short text description or abbreviation of the file.

Monitoring Location Attachment File Name	Monitoring Location Attachment Type	Monitoring Location Attachment File Name	Monitoring Location Attachment Type
Site1Photo1.jpg	Photo	Site1Photo2.jpg	Photo

Site2Photo1.jpg	Photo	Site2Map.jpg	Drawing
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3. Files are uploaded with each respective import configuration and dataset and should be combined into a single zipped folder. "files.zip"

Import an Excel Spreadsheet or Text File into WQX Web

Import Data

Import Configuration and Type of File

Type of Data: Projects

Import Configuration: Adam Griggs ~ Test.Template Project ~ 8027

Type of File: Microsoft Excel (xlsx)

Worksheet(s) to Import: 3rd (note: the "1st" worksheet is the left-most tab of the Excel Workbook)

Ignore First Row of Import File?

Generated Values

Element	Value	Format
Organization ID	WQXTEST	

New or Existing Data:

This file contains new data only (i.e. not in WQX).

This file contains existing data only (i.e. already in WQX).

This file may contain new and/or existing data.

If import file is free of errors:

Let me review my dataset in the staging area before submitting.

Automatically submit the data to WQX.

File(s)

Import File: No file chosen .xlsx, .xlsm, .zip

Attachments File: No file chosen .zip

3. WQP Status Report (10 mins)

WQP General Status Report: Upgrading the WQX 3.0 profiles – Developers have setting up new ETLs to upload results into those profiles. The FullPhysChem profile will be the first that is publicly available. The next profile will be the full Biological Profile. We have been observing successful ETLs so good signs, but some reports of query timeout on large requests. Dev team is focused on the profiles. The UI dev team is not currently engaged. Next updates to the UI will be early in the next fiscal year.

4. Adjournment

The meeting was adjourned at 12:23 PM.

The next meeting will be August 25th at 12:00 PM EST.