WQX User Call
July 27, 2023

Welcome. Please add your name to the attendance list so that we have a record of who is attending these meetings and receiving updates.

Note: There were approximately 32 participants on the call. Past meeting minutes are posted here: https://www.epa.gov/waterdata/wqx-monthly-conference-calls. Our next WQX/WQP User call will be *August 24, 12-1pm* EST

Agenda:
1. WQX Status Report (20 mins)
   - WQX/WQXWeb performance and updates (Kevin)
     i. Target WQX Web release date: August 31, 2023
     ii. Guidance for discovering OCEAN monitoring locations
   - WQX helpdesk report (Kevin)
   - New Activity Type Code for Continuous data (Cristina)
2. WQP Status Report (10 mins)
   - WQP General Status Report (Lee)
     i. WQX 3.0 Profiles
        1. User Feedback Requests
   - WQP questions/comments
3. Open Discussion/Office Hours (30 mins)
   - WQX questions/comments
   - Other topics/questions

Notes:

1. **WQX Project Status Report**
   a. WQX/WQXWeb performance and updates (Kevin)
      i. WQX web is hosted by CDX cloud, and is where users submit data. Scheduled maintenance events are slightly delayed due to summer conflicts.
      ii. Aug 31 release

1. New API services will be offered, so users can review submission files and reports without having to login. This will facilitate others to review the validation reports, for example, without having to have a WQX account.
2. QAQC management for review reports.

Brief guidance for discoverability of ocean monitoring locations:

- Naming convention are GUI searchable by water pathways: Oceans -> Sea -> Gulfs
    - Name = Complete Hierarchy of waterbodies
    - ID= lowest waterbody + latitude degree "#" longitude degree
- Ocean/Seas registered as COUNTRY Codes for WQP service
    - Request and register WQX domain values with WQP services: COUNTRY codes
    - Country code assignments for Oceans and Seas
- WWMD_VA organization worked with WQX team (Kevin) to come up with a naming convention that is WQP UI searchable, and will work for denoting lat/long, waterbody (ocean) name. They are monitoring plastics and microplastics in the ocean.
    - Station Type = OCEAN
    - Monitoring Location Name ID convention
        - MonitoringLocationName,Ocean,#lat,#long (e.g. WWMD-VA-LAT-LONG)
            - You can then query the WQP to find these easily using the monitoringlocationID query
        - Alternatively, you can assign the country as the OCEAN name, and query for OCEAN country codes from the WQP to find the data

b. WQX Helpdesk report (Kevin)
- 75 tickets (user emails) since last user call
    - Mainly WQP data pull inquiries and WQX data upload questions
- We've had a lot of WQP data pull inquiries. Adam and Shay (helpdesk coordinator) are currently working on collaborating with each other to create user resources for how to pull WQP data. This is being done so we can quickly assist users and use consistent messaging.
- 1-1 assistance will mainly come directly from WQX team in the future

c. New continuous data Activity Type Code (Cristina)

Code	OLD Description	UPDATED Description
Field Msr/Obs-Continuous Time Series		Continuous time series (sensor) data submitted as calculated statistics (up to 6 per day), with the full time series included as a text file attachment. Measurements are automatically collected in the field by a fixed, deployed single or multi-parameter data logger.
Field Msr/Obs-Portable Data Logger	Measurements made in the field by an automated data logging device, running "attended or unattended" and producing a suite of data values at repeating intervals set by its owner/operator.	Continuous time series (sensor) data collected and submitted as a series of measurements with equal time steps in between. Measurements are collected in the field by an "attended or unattended" single or multi-parameter data logger. This Activity Type Code should only be used for short deployments (less than two weeks). For longer deployments, submit using "Field Msr/Obs-Continuous Time Series".
Sample-Integrated Time Series	A discrete/integrated sample, usually derived from a continuous record, representing some portion or segment of elapsed time within the overall activity duration or sample period.	A discrete/integrated sample, usually derived from a continuous time series of samples, representing some portion or segment of elapsed time within the overall activity duration or sample period. This Activity Type Code should not be used for Continuous Time Series data collected using a data logger (sensors).

Q/A

Do you have to include the text file?

- No, but it is best practice to do so

Q: Do you need to include a data logger line for the new activity type?

- No, only activity type codes with the word "logger" in the name have this requirement

Q: Is there guidance/preference on what calculated statistic should be provided given the continuous data it comes from?

- Stay tuned. We are in the middle of working on a guidance document now for continuous data submissions. You can supply up to 6 statistics. We recommend to include at least the daily min/max, and then you may include others like daily average and standard deviation, or any others that are useful to your organization for analysis of that data - for example, you could match the stats you provide with what would be most useful for using the WQP data for CWA assessments (i.e. match your WQ Criteria/Methods for the parameter).

2. **WQP Status Report** (Candice and Lee)
   a. Updates
      i. Working on WQX 3.0 profiles, which includes delivery of all new WQX 3.0 elements within the new profiles.
   b. Need testers for new data profiles
      i. Expectation for this to take place in September
      ii. Looking for new testers for the services we stand up to deliver the new WQX 3.0 data profiles. They will be available there as a service before being built into the UI. Please reach out to Candice (chopkins@usgs.gov) if you would like to help out testing the new services.

3. **Open Discussion/Wrap-up**

WQX/WQP questions/comments

   a. ???
   b. 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 (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 (wqx@epa.gov).