

WQX User Call
October 25, 2019
12:00 – 1:00 PM EST
202-991-0477 ID: 842066

There were approximately 45 participants.

Next WQX User Meeting: Thursday, January 23, 2020

Agenda:

1. WQX 3.0 Release Date is March 2020
2. WQX Quick Tips: Domain Values
 - a) Domain values can be searched two ways
 - b) WQX Data Refresh to WQP
3. Location QA/QC Services

1. WQX 3.0 Release Date is March 2020

The release date for WQX 3.0 is March 2020.

Users are not required to adopt the WQX 3.0 schema. It is only required if the new elements are used.

WQX 2.2 is included in the release of 3.0 and is backward compatible with the current WQX 2.1 schema. The WQX 3.0 schema has minor changes which are not backward compatible. New schema elements are optional or conditionally optional.

- The only recent change is for aquifers. There are two lists, national and local. The local list was captured in the 3.0 schema. A national aquifer code has been added with a domain table to reference the list. The local aquifer code, code context, name, description and aquifer type name was a metadata element for the Wells section of the schema.
- Most of the schema requests were to lengthen fields.
- Qualifier codes will be handled as a delimited field separated by commas.

Final Review WQX 3.0 schema can be found at: <ftp://newftp.epa.gov/storet/wqx/draft/schemav3/>

2. WQX Quick Tips: Domain Values

- a) **Domain values can be searched two ways**
 - WQX Web
 - Domain Value Services on WQX Website

<https://www.epa.gov/waterdata/storage-and-retrieval-and-water-quality-exchange-domain-services-and-downloads>

[CharacteristicAlias \(ZIP\)](#) | [\(XML\)](#)

[TaxonAlias \(ZIP\)](#) | [\(XML\)](#)

b) WQX Data Refresh to WQP

Refreshes are scheduled for every Wednesday 2 a.m. and Saturday morning 2 a.m. The WQP Team is transitioning to a Cloud based transfer and expecting significant improvement.

3. QA/QC Services

New QA/QC services are planned for FY2020 and will assist with both pre and post submissions. These services will generate an XML file that submits to the backend to the Exchange Network for WQX submissions to either (either via web or Node). The services will be available outside the WQX dataflow. Users can interact with the services outside the WQP.

- **Location services** will check accuracy of latitude/longitude to a four decimal precision. It will reverse geocoding to identify country/state/county. The results of the QA/QC will be served out a CVS file and returned in addition to the processing document received when data is imported. The file will include information regarding associated state and county, precision, flag if it is duplicated latitude/longitude.
- **Results services** will do the same but check characteristic to unit combinations for validity, i.e., temperature of water paired with milligrams per liter. Errors will be flagged in the report.
- **Domain services** is similar to ITIS tools for comparing names. User can submit a list of your in-house domain values for example characteristics and it will tell you if there is an exact match or if it will need to be mapped to a WQX characteristic name. This can be done for any domain names.

4. Email Request for Data assistance

There is a contract in place to assist users with WQX data entry and troubleshooting. Contact the Help Desk at wqx@epa.gov.