WQX User Call
August 22, 2019
12:00 – 1:00 PM EST
202-991-0477 ID: 842066

Webinar: http://epawebconferencing.acms.com/wqp/

There were approximately 43 participants.
Next WQX User Meeting: Thursday, September 26, 2019

Agenda:
1) Review and Discussion of WQX 3.0 draft schema elements and definitions
2) Data Assistance request email storet@epa.gov or wqx@epa.gov
3) Open Discussion.

1) Review and Discussion of WQX 3.0 draft schema elements and definitions
Kevin Christian walked through the proposed changes in WQX 3.0. He walked through the elements that are slated for change

Download link
Link to ftp site with materials: ftp://newftp.epa.gov/storet/wqx/draft/schemav3/

2) Open Discussion
WQX 3.0 will be backwards compatible and will not force users to 3.0 when it goes live. WQX will maintain versions 1.0, 2.1 and 2.2 for all the existing field changes. Users can still submit to the older schema versions. Users who want to user the new elements to submit Well Data more properly or to align with the Biological Workgroup user should go with the WQX 3.0 schema. Biological fields come with business rules and will require if it is a benthic macro assemblage.

These changes are a preliminary draft. The intent is to put this out for feedback from the user community. The goal is to have this finalized in the next two months.   If there is anything missing, reach out to Kevin.

Water Quality Exchange – WQX

Version:**3.0 – <mark>Review (draft)</mark>**

Data Exchange Description

Version 3.0 includes a Version 2.2 of the WQX schema. Schema version 2.2 is backwards compatible with v2.1 and provides expanded data element lengths for various key description text type elements. See the Data Exchange Template v2.2 (draft) for more details and changes highlighted with red font. Version 3.0 adopts new elements which may or are not be backwards compatible with version 2.1. See the Data Exchange Template v3.0 (draft) for more details

Version Notes <mark>Review (draft)</mark>

The most current version of the WQX data exchange is v2.1. Today is a draft review of WQX schema elements version 3.0 Upon release of WQX v3.0, all previous versions will be maintained for supporting data submission backward compatibility.

Discussion/"Chat Notes" <mark>Review (draft)</mark>

AquiferName (MonitoringLocation) String max 120 **Versus** SampleAquifer (Activity) String max 255. Aquifers are basins that yield a usable amount of groundwater.

- https://en.wikipedia.org/wiki/List_of_aquifers_in_the_United_States#List_of_notable_aquifers
- https://en.wikipedia.org/wiki/Category:Aquifers

WellHoleDepthMeasure/Value/Unit versus WellDepthMeasure/Value/Unit

The depth of the finished well, in feet below land surface datum. **Versus** The total depth to which the hole is drilled, in feet below land surface datum https://en.wikipedia.org/wiki/Category:Aquifers

Resources	
WQX 3.0 schema (<mark>review</mark>) – NEW elements	**WQX 2.2 schema (review) – OLD elements w length changes**
- WQX 3.0 XML Schema - Schema Change Log	- WQX 2.2 XML Schema - Schema Change Log
WQX 3.0 Data Exchange Template	WQX 2.2 Data Exchange Template
WQX schema XML files - WQX_XMLExample_v3.0.xml	**WQX schema XML files** - WQX_XMLExample_v2.2.xml

WQX 3.0 elements to be added to the WQX schema

Types of Impacts:

- Elements changed from Numeric to Text by naming convention and data type (low)
- Capture User Supplied names for WQX domain value list and element identifiers (low)
- Alignment with WQP Outbound elements (low)
- Optional DescriptionText and CommentText elements for existing schema definitions (low)
- Elements adopted from Biological Workgroup discussions (medium, conditional)
- Deprecated Elements and Business Rule modification (medium, element no longer valid)

WQX Version	Elements
Schema v2.2 and below	- SourceMapScaleNumeric, IndexScoreNumeric, MetricScoreNumeric, SubstanceDilutionFactorNumeric, - ResultLaboratoryCommentCode**, SamplingComponentPlaceInSeriesNumeric**, ResultDetectionConditionText***,
Schema v3.0	- SourceMapScale, IndexScore, MetricScore, SubstanceDilutionFactor, - AquiferTypeName*, ConstructionDate, ActivityIdentifierUserSupplied, ActivityLocationDescriptionText, CollectionDescriptionText, SampleContainerLabelName, SampleAquifer, HydrologicCondition*, HydrologicEvent*, CharacteristicNameUserSupplied, TargetCount, PercentSampleProcessedNumeric, StatisticalNValueNumeric, ResultSamplingPointType*, ResultSamplingPointPlaceInSeries, ResultSamplingPointCommentText, RecordIdentifierUserSupplied, SubjectTaxonomicNameUserSupplied, SubjectTaxonomicNameUserSuppliedReferenceText, GroupSummaryCount, HabitatSelectionMethod*, ComparableMethodIdentifier*, ComparableMethodContext*, ComparableMethodModificationText, LaboratoryCommentText, DetectionQuantitationLimitCommentText, LaboratorySampleSplitRatio, - DrainageAreaMeasure/Value/Unit, ContributingDrainageAreaMeasure/Value/Unit, VerticalAccuracyMeasure/Value/Unit, WellDepthMeasure/Value/Unit, CollectionArea/Value/Unit, CollectionEffort/Value/GearProcedureUnit, DrainageAreaMeasure/Value/Unit, ReachAreaMeasure/Value/Unit, GroupSummaryWeight/Value/Unit, DrainageAreaMeasure/Value/Unit, - WQP Outbound ONLY: ResultConvertedMeasure/Value/Unit

Note: * Denotes From domain values list

** Deprecated, no longer valid in schema v3.0

*** Business rule has been changed significantly or removed

3) WQX/STORET 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.

Please note: If you have a basic question, a faster way to get an answer is to chat with us via email WQX Helpdesk (storet@epa.gov or wqx@epa.gov). You may request an appointment by emailing or calling WQX Helpdesk 800-424-9067. If you submit an appointment request with dates and times, you should receive both a ticket# and meeting invitation as confirmation.

Need to make, request, or schedule an appointment with a WQX data advisor? (NO appointment needed for allowable domain values, services, or questions). WQX/STORET pairs you with a WQX data advisor to assist all aspects of your data submission to EPA, providing custom support to your specific, and program-related needs.

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 (storet@epa.gov or 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/STORET representative, please call 800-424-9067 (wqx@epa.gov).