

<b>SUBJECT:</b>	WQX IPT Meeting, OW/OEI/States/Contractors	<b>DATE:</b>	12 June 2007
<b>HOST:</b>	Dwane Young	<b>Start:</b>	12:00PM
<b>LOCATION:</b>	Telephone Conference Call in number: 866-299-3188 Conference code: 2025660616	<b>End:</b>	1:00PM

**Agenda:**

- Roll call/introductions
- Introduction to material
- The Schema documents
- The Data Dictionary
- WQX as an Access Database
- Graphical Representation of the schema
- WQX Schedule
- Next steps
- Developing a 'List of Issues' that will need to be addressed

**Note:** Attendee list may be found at the end of these minutes.

# Meeting Minutes

## Dates to Remember:

1. The pilot is being kicked off today, June 12, 2007. Questions / concerns / or discussion points – send email to [Hill.RandyE@EPA.gov](mailto:Hill.RandyE@EPA.gov)
2. **July 10, 2007 at noon** – Next Pilot Conference Call.
3. **August 29, 2007:** Pilot Wrap Up.
4. Production: **May '08 ; testing in Feb - March '08**
5. **Group Assignment:** Flow data using the Biological / Habitat schema to test out the basic structure to
  - a. Help answer some of outstanding issues
  - b. Determine if the current model make sense.
  - c. Flush out unforeseen issues.

## Introduction to materials (see attachments)

- The Schema documents (Filename: WQX\_schema\_graphic.pdf) – took the existing WQX schema and added the Biological portion without changing the underlining core of the version 1 WQX schema. Every effort was made to leave original schema unchanged.
- The Data Dictionary (Filename: WQX\_DataDictionary\_2007\_05\_17.xls) – same basic format as WQX version 1; Organized by major data components – Organization, Project, Monitoring Location, Activity, Result. New data elements are flagged using the “pink” color. A walk through of the data dictionary will be performed on a future call. Core things that have changed are:
  - a. Under Project – added a list of data elements called Project Monitoring Location Weight. In a probabilistic type of design, each monitoring location gets its own weigh that assigns it relevance to the overall study.
  - b. Activity Index – added ActivityIndex and ActivityMetric to capture IBI score (index of biological indicator), scale, and metric. One of the major issues is how to distinguish the different between a metric and a characteristic.
  - c. There are several data blocks to capture Biological data. Dwane encouraged participates to share this schema with biologist in their region/state.
- WQX as an Access Database (Filename:WQX ODS MS Access.zip If extension reads as piz rename to .zip) – Domain value lists.
- Graphical Representation of the schema (Filename: 20070517\_WQX\_schema.zip If extension reads as piz rename)

As the pilot move forward, an issue log will be maintained. August 29, 2007 is the target date to wrap-up pilot.

## Other Discussion

**Drift net Concept.** Initial thought was drift net could adequately be described using Activity Start Date and Activity Stop Date.

What is the meaning of Biological Activity Intent? This is modeled with a domain value list. An example of how this could be used: BiologicalActivityIntentName is *Multi-Taxon Population Census*; AssemblageSampledName is *Benthic Macrovertebrate*; Collection Method is *State Method 55*; EquipmentName is *Kick Net*. Data would be entered under biological result description for each species captured in kick net with subject taxonomic name (i.e. species for each taxa captured) along with actual count for each species.

The project team will be putting together example files to show how data is modeled in the schema.

**Habitat:** The schema is labeled WQX Biological Habitat Monitoring. Originally, the project team thought habitat could be modeled by a user defined characteristic(s). As the habitat data was observed more closely, the project team believed that no additional elements were needed. For example, any sort of habitat measurement such as stream width, bank undercutness, and rapid bio assessment protocols, could be treated as a characteristic with a measured value and unit. It models well with index metric concept.

Curtis suggested that the project team remove redundancy in characteristic and clearly separate methodologies from characteristics.

Is there any attempt to broaden scale to a classification such as rosgen? This is something the project team will take a closer look at in the near future. It was also suggested that the project team take a look at GeoRSSgml.

**Toxicity:** Dwane currently has a list of toxicity data elements. Not sure when this will be fitted into the WQX data flow.

## Action Items

- Send out URL for biodiversity dataflow. – Dwane Young
- ActivityMediaName of "Biological Tissue" change to "Biological" for WQX 2.0. This will be included and tracked in the issue log. – Ernestine Bryant

**Next Meeting: June 26, 2007.**

**ATTENDEES:**

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**Attachments:**

1. The Schema documents (Filename: WQX\_schema\_graphic.pdf)
2. The Data Dictionary (Filename: WQX\_DataDictionary\_2007\_05\_17.xls)
3. WQX as an Access Database (Filename:WQX ODS MS Access.zip If extension reads as piz rename to .zip)
4. Graphical Representation of the schema (Filename: 20070517\_WQX\_schema.zip If extension reads as piz rename)

**Note:** *The documents described above constitute the package of documents referenced during this call. These documents are attached here, for review. Also, this documentation will be available off of the STORET website: [www.epa.gov/STORET](http://www.epa.gov/STORET).*