AGENDA

SUBJECT:	**Bio/Habitat WQX Pilot Call**	DATE:	10 July 2007
HOST:	Dwane Young	Start:	12:00PM
LOCATION:	WEBINAR Call in number: 866-299-3188 Webinar ID 191-470-945	End:	1:00PM

Time	Item	
12pm	**Introductions and Roll Call to Bio/Habitat WQX Pilot Call**	Dwane Young
12:15	**Schema Review and Detailed Discussions**	Dwane Young
12:55	**Questions and Wrap-up**	Dwane Young
1pm	**Next meeting: July 19, 2007**	

Attendees:
See Appendix A

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Meeting Minutes

Summary
1. **The WQX Schema, Data Dictionary, Operational Data Store in Microsoft Access format, and XML example files may be found at http://www.epa.gov/storet/wqx_bio_pilot.html**
2. **The Data Exchange Template** (data dictionary) areas were reviewed (details below)
3. **Specific areas of review**: Results: a) Monitoring Location, b) Activity Index
4. **Reviewed XML Schema**
5. **Issue:** Need to reevaluate the scale in terms of the best way to model the index and the scale that goes with it. One possibility is to add a non-index type to capture additional metric information

Detailed Discussion

Data Exchange Template: shows optionality, data type, and business rules surrounding data elements. It also shows whether or not there is a domain list associated with the data elements.

Color Key:

Header for a data group
New information
Change to data element

Schema Diagram: intended to depict the changes from WQX version 1 to version 2; hence all sections in WQX were not displayed.

Project
- o SamplingDesignTypeCode was designed to accommodate probabilistic design.
- o ProjectMonitoringLocationWeighting: within a project, a monitoring location can have only one weight. Any weight must have a unit.
    - o Optional data elements are:
        - **StratumName –** e.g. Wetlands, Wadeable Streams.
        - **CategoryName –** free text describing a category of naturally similar site types, such as high-gradient.
        - **StatusName –** indicates whether site is active and available for sampling.
        - **ReferenceLocationIndicator –** indicates whether this site is a reference site.
        - **CommentText –** free text comments about the project monitoring location weighting.

Monitoring Location: No change from WQX 1.0

Activity

Total Sample Weight Measure: total weight of sample (optional data element).

New areas include:
- o BiologicalActivityDescription
    - o AssemblageSampledName: same as Community Name in STORET
- o ActivityIndex
    - o There may be an issue with an index relating to only one activity.
    - o How do we know if a high score is positive or negative?
    - o Should we consider a numeric range rather than just a Scale Text element?
        - What about a scale of 1, 3, 5, …?
    - o May need to consider adding a FormulaDescriptionText (like we have for metrics).

- o May need to consider a way to relate results with metrics.
- o How do we support O/E (Observed/Expected) - RIVPACS?
- o ActivityMetric
  - o May need a way to indicate metrics that are not used to calculate the index

Result

New section:
- o **Biological Result Description**
  - o Taxonomic Name and Tissue Anatomy Name moved from Activity (in 1.0 version) to Result (in 2.0 version).
  - o Taxonomic Name and Characteristic are two separate fields in WQX (unlike STORET)
    - ▪ Use a Characteristic of "Count" when reporting Population Census or Frequency Class Information.
  - o The domain value list for Biological Intent Name has been simplified now:
    - ▪ Use Group Summary, Population Census, and Frequency Class (rather than Single Taxon Group Summary, Multi-Taxon Population Census, etc.).

Dwane stepped through a few examples of how the new biological structure may be used.

Next call is scheduled for Thursday, July 19, 2007.

Appendix A – Attendees

Name	Org/Program Role	Email	Present
Andrews, Paul	RTI	andrewsp@rti.org	Yes
Arquines, Rome	HQ	Arquines.Rombel@epa.gov	Yes
Booth, Nate	USGS	nlbooth@usgs.gov	Yes
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Bryant, Ernestine	LMCO	Ernestine.Bryant@LMCO.com	Yes
Byrd, Kathy	Florida		Yes
Chen , Harry	New Jersey	harry.chen@dep.state.nj.us	Yes
Cude, Curtis	Oregon	CUDE.Curtis@deq.state.or.us	Yes
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Faulkner, Chris	HQ		Yes
Frohm, Terry	Florida		Yes
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Hellyer , Greg	Region 4	hellyer.greg@epa.gov	Yes
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Howe, Elanor	Massachusetts	elanor.howe@state.ma.us	Yes
Hudson, James	Wisconsin	James.Hudson@Wisconsin.gov	Yes
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Knowles, Kathy	Delaware	kathy.knowles@state.de.us	Yes
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Mann, Joshua		jmann077@yahoo.com	Yes
McElhinney, Cary	Region 5	McElhinney.Cary@epamail.epa.gov	Yes

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