From: Miller, Denise
To: Axelrad, Don; gilmourc@si.edu
Subject: A few comments on draft ACME database
Date: Monday, May 04, 2009 11:24:42 AM

Hi Cindy and Don - here are my notes regarding the initial draft ACME database. Per our discussion with Cindy last Thursday, many of these already may be addressed. Some of the comments/questions below may no longer be relevant, since development of the database has proceeded from the version we have for review. What we have contains <8,000 records, Cindy noted she currently has some 12,000 records and anticipates ~18,000 before all is said and done.

* Some database keys are needed- at least one to describe each of the fields in the database tables, and then others to describe the contents of the individual fields, some of them needing more particular detail. Cindy noted they are working on a front end to the database already, towards that end.

* Is Lab sample ID actually from the analytical lab conducting the analysis (i.e., is this a link back to lab records), or is it a construct of Cindy's for this database. Looks like the former, but I just wanted to clarify. I note that there is not a Lab Sample ID for every row of data, but looks like there should be.

* What is the Source File field?
* What is the Analytical File field? It is not populated for each row of data.
* A key with descriptors is needed for each unique entry of the Experiment field (e.g., FEMesos2005; Field data, etc.).

* There are 146 unique site names in the Main New Data table, but only 123 unique sites described in the Sites table. Is this just a matter of both being a work in progress?

* A key is needed to describe unique entries in the Treatment field.
* What is the Sampling Method field? It doesn't seem to be populated with sampling methods (e.g., entries of Cattail, D, F, Peat/Marl). At a minimum, a key is needed to describe the intent and contents of this field. From discussion last Thursday, though, sounds like this may no longer be a field in the database?

* Sample Depth, Sample Depth Top and Sample Depth Bottom fields either need accompanying units fields, or, if all the same within a field, just include units in the field name.

* DL-Flag field is the only field with QA information. Are there no other analytical flags on any of the data besides showing what was below the detection limit?

* Parameter field - a key is needed describing the parameter name, analytical method, whether a field or lab parameter. As I understand it, this is already in the newer version of the database.

* Detection limits field needs an accompanying units field.

Please let me know if you have any questions. Will it be possible to address these comments/questions for the updated draft that we were discussing for this coming Friday?

Denise

Denise Miller
Environmental Manager

Standards and Assessment Section
850 245-8068
Fax 850 245-8082
denise.miller@dep.state.fl.us