

South River Science Team Database Update

Former DuPont Waynesboro Site, Virginia

Area of Concern (AOC) 4



April 5, 2016

AECOM

Agenda

- Objectives
- Current State of Data
- Database (EIM) Customization
- Schedule

Objectives

- Create a data repository for all project data
 - Analytical and field data from chemical, physical, and biological sources
 - Spatial data (floodplain outlines, land use, etc.)
 - Documents such as metadata/RDQAs
- Accessible to multiple stakeholders

Current State of Data

Dataset Status:
Initial Records: 2221
Errors: 0

Manual Review Status: [\(Reset\)](#)
Awaiting review
☐ Check here if review has been completed

 Rerun database checks

 Select another dataset

 **SUCCESS!** 2,129 records have been updated in EIM.

Table Name	Updated Record Count
LOCATION	2129

- AECOM Excel XY data uploaded to EIM
- Excel data files are being prepped for upload
- Compilation of researcher data is on-going and being evaluated for best storage options
 - Accessibility for common user
 - likely SRST website

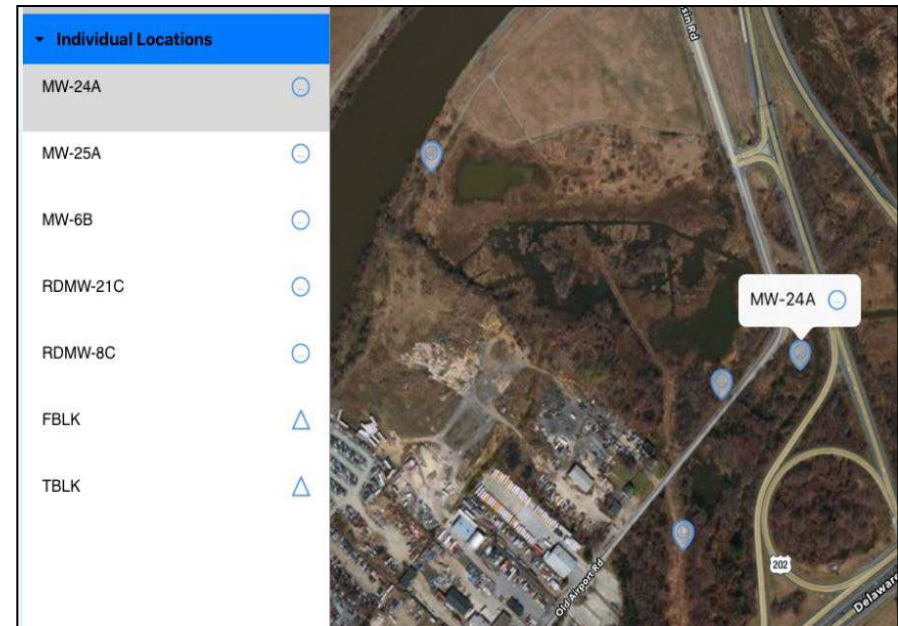
Database (EIM) Customization

Field Name	Status
BAND_OR_TAG_NO	Existing Biological Sample Table
BIOLOGICAL_SAMPLE_COMMENTS	Existing Biological Sample Table
BIOLOGICAL_SAMPLE_DETAIL	Existing Biological Sample Table
COLLECTION_LOCATION_DESC	Existing Biological Sample Table
FIELD_SAMPLE_ID	Existing Biological Sample Table
FUNCTIONAL_FEEDING_GROUP	Existing Biological Sample Table
LAST_MODIFIED_BY	Existing Biological Sample Table
LAST_MODIFIED_DATE	Existing Biological Sample Table
NEST_BOX_NO	Existing Biological Sample Table
SITE_ID	Existing Biological Sample Table
SPECIMEN_CATEGORY	Existing Biological Sample Table
SPECIMEN_SAMPLE_TYPE	Existing Biological Sample Table
TAXONOMIC_ID	Existing Biological Sample Table
TROPHIC_POSITION	Existing Biological Sample Table
STUDY_GROUP	New Field - Field Sample Table
POINT_OF_CONTACT	New Field - Field Sample Table
BIOLOGICAL_SAMPLE_DETAIL	New Field - Biological Sample Table
NEST_BOX_NO	New Field - Biological Sample Table
BAND_OR_TAG_NO	New Field - Biological Sample Table
COLLECTION_LOCATION_DESC	New Field - Biological Sample Table
FUNCTIONAL_FEEDING_GROUP	New Field - Biological Sample Table
TROPHIC_POSITION	New Field - Biological Sample Table
SPECIMEN_CATEGORY	New Field - Biological Sample Table
TAXONOMIC_ID	New TAXON Table
COMMON_NAME	New TAXON Table
SCIENTIFIC_NAME	New TAXON Table
TAXONOMIC_CLASS	New TAXON Table
TAXONOMIC_ORDER	New TAXON Table
TAXONOMIC_FAMILY	New TAXON Table
TAXONOMIC_GENUS	New TAXON Table
FIELD_SAMPLE_ID	New BIOLOGICAL_SAMPLE_ATTRIBUTE Table
BIOLOGICAL_ATTRIBUTE	New BIOLOGICAL_SAMPLE_ATTRIBUTE Table
BIOLOGICAL_ATTRIBUTE_VALUE	New BIOLOGICAL_SAMPLE_ATTRIBUTE Table
BIOLOGICAL_ATTRIBUTE_UNITS	New BIOLOGICAL_SAMPLE_ATTRIBUTE Table
BIOLOGICAL_ATTRIBUTE_COMMENTS	New BIOLOGICAL_SAMPLE_ATTRIBUTE Table

- AECOM maintains biological data in Excel
- Customization request was based on fields in Excel files not included in EIM
- Locus proposed new fields and tables for storing data efficiently
- When new fields are available, existing data from Excel will be uploaded in manageable “chunks”

Database (EIM) Customization

- Customization includes mobile app upgrades
- Teams will be able to collect sample data, field measurements and biological data on iPad
- Data collected in the mobile app is uploaded directly to EIM, eliminating external Excel files



Schedule

- EIM customization – due to be rolled out 4/30/16
- Upload data from existing biota file – 6/24/16
- Test creating out-put for biota data – 7/29/16
- Test mobile app (biota data collection) – 7/29/16
- Add spatial layers - when EIM functionality becomes available
- Determine functionality of SRST website for common user
 - 7/29/16

Thank You

Christine.Wallace@aecom.com

South River Science Team

April 5, 2016



AECOM