

South River Science Team Database Update

Former DuPont Waynesboro Site, Virginia
Area of Concern (AOC) 4



July 26, 2016

AECOM

Agenda

- Objectives
- Current State of Data
- Locus Mobile App
- 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

R
Functional Feeding Group
CARNIVORE
COLLECTOR FILTERER
COLLECTOR GATHERER
DETRITIVORE
FILTER FEEDER
GATHERERS
GRANIVORE
GRAZER
HERBIVORE
INVERTIVORE
MIXED
OMNIVORE
PISCIVORE
PREDATOR ENGULFER
PRODUCER

- Valid values list uploaded to EIM
 - 250 valid values in 16 lists
- Preparation of MS Excel data master files on-going
- Preparation of Locus Mobile field forms in-progress

Setup

Valid Values

Members

FUNCTIONAL_FEEDING_GROUP

Valid Values: Members

?

Valid Values in Category

— FUNCTIONAL_FEEDING_GROUP

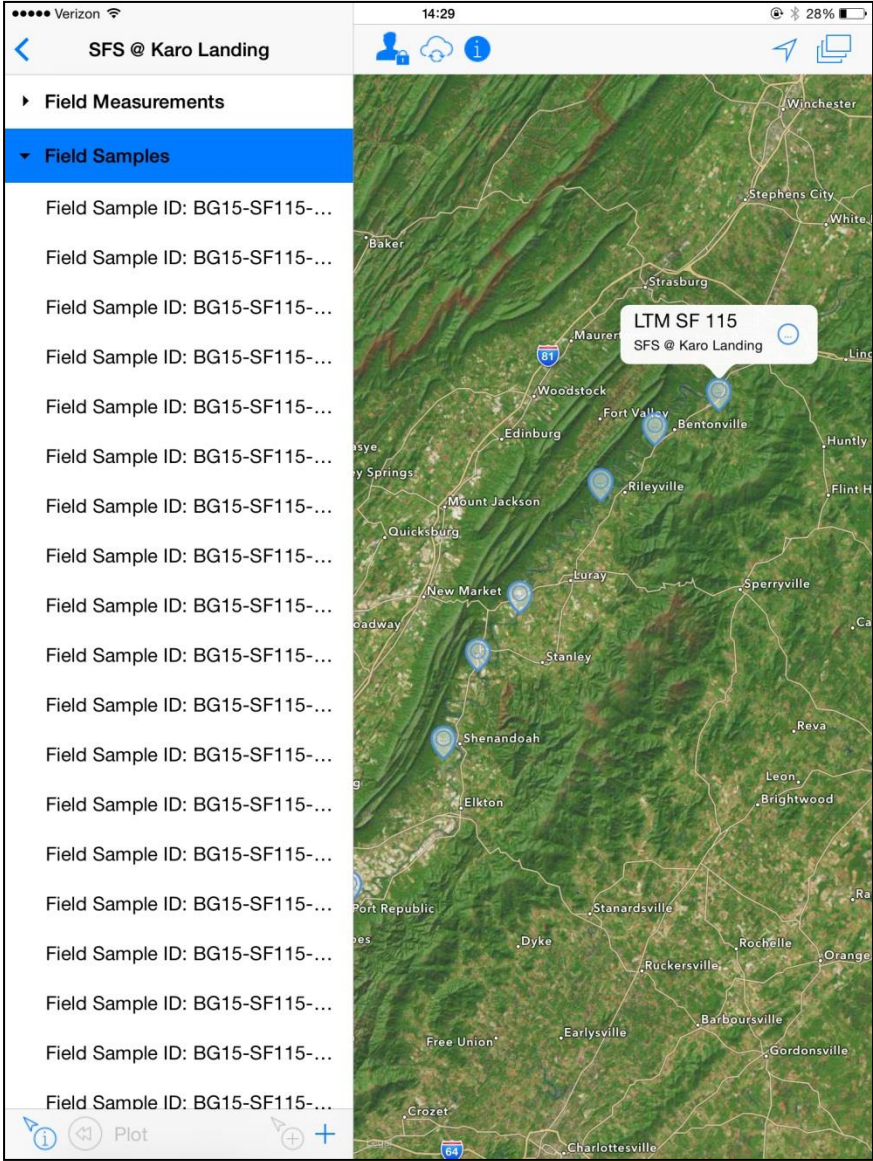
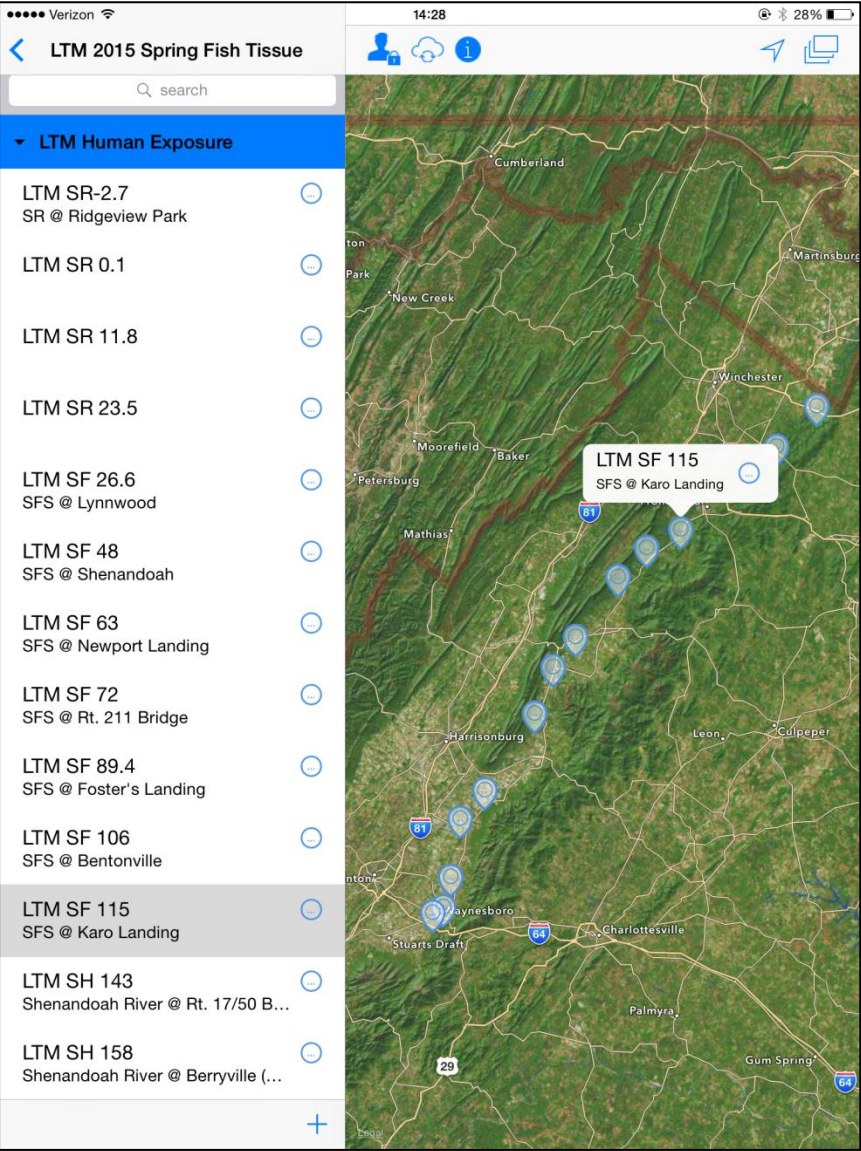
Valid Value	Type/Category	Description	Created By	Created
 CARNIVORE		CARNIVORE	wallacec	
 COLLECTOR FILTERER		COLLECTOR FILTERER	wallacec	
 COLLECTOR GATHERER		COLLECTOR GATHERER	wallacec	
 DETRITIVORE		DETRITIVORE	wallacec	
 FILTER FEEDER		FILTER FEEDER	wallacec	
 GATHERERS		GATHERERS	wallacec	
 GRANIVORE		GRANIVORE	wallacec	

Current State of Data

- Taxonomic table created to make future data entry into EIM consistent and accurate
- Valid values lists and lookup table will create pre-populated drop down lists to simplify data entry

K	L	M	N	O	P	Q
Taxonomic	Taxonomic Class	Taxonomic Order	Taxonomic Family	Taxonomic Genus	Scientific Name	Common Name
ACFL	Aves	Passeriformes	Tyrannidae	Empidonax	Empidonax virescens	Acadian Flycatcher
AMCR	Aves	Passeriformes	Corvidae	Corvus	Corvus brachyrhynchos	AMERICAN CROW
AMGO	Aves	Passeriformes	Fringillidae	Spinus	Spinus tristis	AMERICAN GOLDFINCH
AMRE	Aves	Passeriformes	PARULIDAE	Setophaga	Setophaga ruticilla	AMERICAN REDSTART
AMRO	Aves	Passeriformes	Turdidae	Turdus	Turdus migratorius	AMERICAN ROBIN
BUAM	Amphibia	Anura	Bufo	Bufo	Bufo Americanus	AMERICAN TOAD
PLAN	Liliopsida	-	-	-	-	AQUATIC VEGETATION
CLAM	Bivalva	Veneroida	Corbiculidae	Corbicula	Corbicula fluminea	ASIATIC CLAM
CLAM	Bivalva	Veneroida	Corbiculidae	Corbicula	Corbicula sp.	ASIATIC CLAM
BAOR	Aves	Passeriformes	Icteridae	Icterus	Icterus galbula	baltimore oriole
BAN	Actinopterygii	Scorpaeniformes	Cottidae	Cottus	Cottus carolinae	BANDED SCULPIN
BARS	Aves	Passeriformes	Hirundinidae	Hirundo	Hirundo rustica	BARN SWALLOW
BASS	Actinopterygii	Perciformes	Centrarchidae	-	-	BASS SPP
BEAN	Magnoliopsida	Fabales	Fabaceae	-	Magnoliopsida	BEAN
BEET	Magnoliopsida	Caryophalles	Chenopodiaceae	Beta	Beta sp.	BEET

Locus Mobile Work Flow



Locus Mobile Work Flow

SFS @ Karo Landing

Cancel Save

*Date/Time Measured 07/22/2016 14:29

DISSOLVED OXYGEN (MG/L)

DO-SATURATION (%)

pH (PH UNITS)

REDOX (MV)

SPECIFIC CONDUCTANCE (MS/CM)

Temperature (DEGREES C)

Field Measurement Comments

Ad hoc Field Measurement Comments

Field Sample ID

Sampling Program

*Stable ☐

Sampling Event

Copy Comments from Previous



SFS @ Karo Landing

Cancel Save

Field Sample ID BG15-SF115-SMB-02-

*Date/Time Sampled 07/22/2016 14:29

Sample Matrix Biota

Sample Purpose FS

Sample Type Animal Tissue

Field Prep Code

Sampling Program LTM Spring 2015 Fish Tissue Sampling

Sampling Event LTM Adult Bass Spring 2015

Copy Comments from Previous

Schedule

- Upload data from existing biota file – 8/24/16
- Test formatted report templates for biological data – 9/29/16
- Test mobile app (Spring LTM Data) – 08/30/16
- Field test mobile app (Fall 2016)
- Add spatial layers - when EIM functionality becomes available
- Determine functionality of SRST website for common user – TBD

Thank You

Jennifer.badner@aecom.com

South River Science Team

July 26, 2016



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