

Database Project

South River Science Team Meeting
February 8, 2005

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Purpose

- Create a GIS database to store and manage all of the data that has been/will be generated or gathered by the South River Science Team.
 - Purpose:
 - Get all data into one place with associated metadata
 - Provide interactive user interface for viewing and querying data, plotting data on maps, statistical and spatial data analysis, etc.
 - Make the data and associated metadata easily accessible to team and public (web based?)
- Set-up an electronic document management system
 - Purpose:
 - Store field documentation of investigations (i.e., photos, field notes, chain of custody forms, etc.)
 - Get all hardcopy reports into viewable electronic format
 - Provide tool for searching documents based on key words, date, author, etc.
 - Link documents to the data through the GIS user window

Data Team

- To help facilitate this process, we established a data team. The primary functions of the data team will include the following:
 - Develop a list of data that has been generated / gathered and who was the primary person responsible for generating it
 - Facilitate provision of recently generated data to the database team
 - Determine which historical data should be entered into the database
 - Provide the database team with guidance on what is needed in the way of a database user interface and what it should look like
 - Establish some standard best practices for the SRST for future data gathering activities such as:
 - which coordinate system should be used
 - standard data formats for delivery of data to the database team
 - minimum metadata requirements for data deliverables
- Data Team:
 - Ralph Stahl, Mike Liberati, Dick Jensen, Tom Benzing, John W Green, Billy Van Wart, Don Kain, Mike Jacobi, Joel Hennessy, Mike Sherrier, Mike Druger (URSD, SR Database Manager)

Tasks / Preliminary Schedule

- Compile list of studies Done!
- Get all electronic data w/ metadata to database team Q1
- Get all metadata from hardcopy reports into DB Q1
- Set-up GIS system with all USGS maps Q1
- Identify appropriate tool for document management system Q1
- Get all data and metadata from data team into DB Q1
- Aerial photos added to GIS system Q2
- Supporting info from studies (photos, notes, etc) into DB Q2
- Working GIS user interface and data (partial) accessible Q2
- All data from hardcopy reports into DB Q3
- All hardcopy documents scanned and in doc management sys Q3
- Final user interface complete and all data accessible to SRST Q4

Data Projects - Any Others?

- Plant RCRA investigations M Sherrier
- Plant storm water M Sherrier
- Garden soils M Sherrier / B Berti
- Shake&Bake samples M Sherrier / E Mack
- DEQ South River sediments B Van Wart
- DEQ water column sampling B Van Wart
- Fish tissue J Green
- DEQ flood sediments/deposits T Turner
- Fish diet M Liberati / G Murphy
- Flood plain soils M Liberati / D Cocking
- Clam studies T Benzing
- SR water column sampling D Jensen
- 2004 Flood plain soils D Jensen
- Sediment coring D Jensen
- Forestry Station soils D Jensen
- Bank sampling D Jensen
- Greenway sampling D Jensen
- Guzzler samples D Jensen
- Oxbow sediments D Jensen
- SR flood water samples D Jensen
- Pore water samples D Jensen
- meHg SR water column samples D Jensen
- Lumex samples D Jensen
- Lumex lab validation data D Jensen