



Development of a Contaminated Sediment Project Database

Designing, Building, and Populating a Site Database

Agenda

01	Objectives and Scope
02	Design Considerations
03	Website Current Status and Functionality
04	Website Demonstration
05	Summary and Next Steps

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Objectives

- Provide SMWG members with centralized access to publicly available data/information on sediment cleanup projects to
 - foster better understanding of past sediment remediation practices,
 - drive innovation, and
 - improve stakeholder communication on future projects.

Scope

- Development of a database of sediment sites that captures site assessment, investigation and remedial action experience, practices, and outcomes.
- Provide users with a tool for access to the data.

02 Design Considerations

What's in a Site?

- Lead and Cooperating Agencies
- Affected Waterbodies
- Potentially Responsible Parties
- Whether a Fishing Advisory is Posted

What's in an Operable Unit?

- CSM Components: Release, Migration, and Exposure Pathways
- Remedy and LTM Components: Technology, Disposal, LTM Trends
- Volumes Costing: Estimated ROD/RA/LTM Costs and In Situ Volumes

03 Website Current Status

- Selected software framework: Drupal CMS
- Built database and website frontend, currently in Beta Release
- Gathered metadata from RODs, FYRs, ESDs, etc.
 - Initial testing on AI data mining
- Assimilated metadata into the database for:
 - Fox River OUs 1 – 5 and
 - Site data from New Bedford Harbor

03 Website Current Functionality


- (Tabular) Views for:
 - Sites
 - OUs
 - Contaminants
- Interactive Maps for:
 - Sites (from homepage)
 - OUs (from Site page)
- CSV file import and export abilities

04 Website Demonstration

https://smwgmcbpw5mdcw.devcloud.acquia-sites.com

Manage Shortcuts orth@battelle.org


Content Structure Configuration

 **SMWG**
Sediment Management Work Group

Contaminated Sediment Site Database

Sites Operable Units COC My account Log out

The SMWG has created this database of sediment remediation sites to facilitate knowledge sharing between members. The database captures the key assessment, investigation and remedial action details for each site providing a tool for review and analysis of past sediment management project experience, practices, and outcomes to inform remedial design and decision-making.



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Next Steps

- Currently in content review by SMWG
- User's Guide and Content Editor's Guide in Development
- Scale up: Add additional Site and OU content

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It can be done