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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

01

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

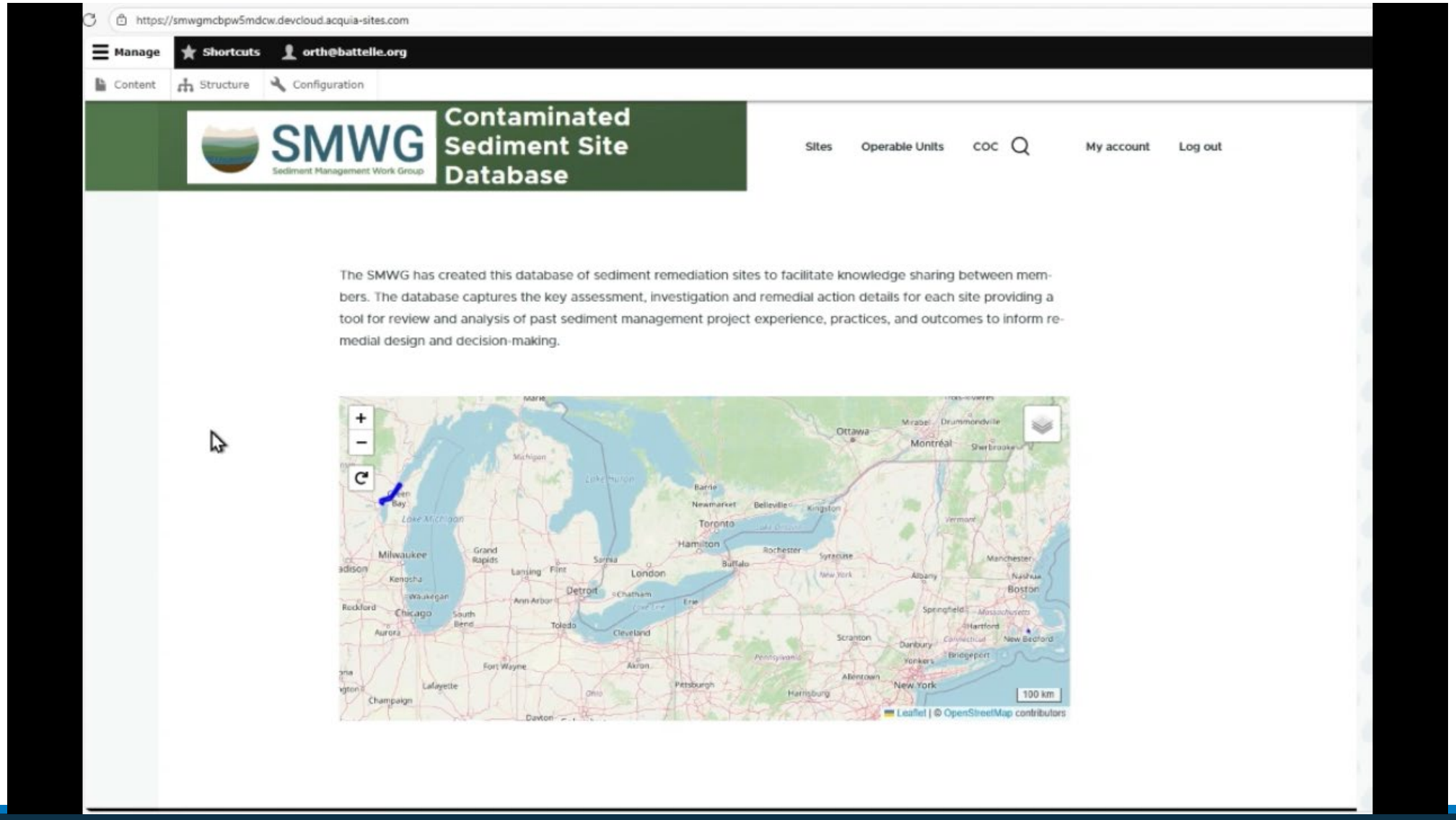
03 Website Current Status

- 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



05

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

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