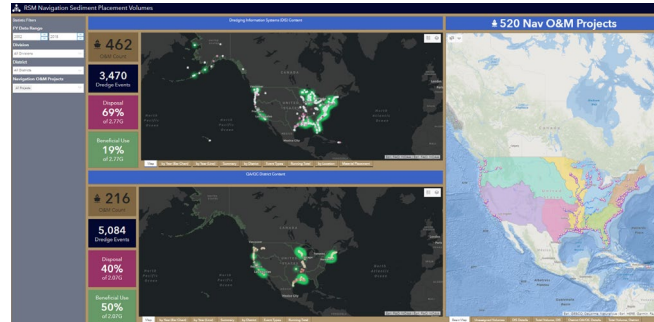




Description

The Beneficial Use Database is an online application that is supporting an effort to gather and verify the nature of navigation sediment placements across the US Army Corps of Engineers (USACE) and to better understand how much is beneficially used.



Beneficial Use Web Viewer Application

**Issue/Challenge
To Address**

The Regional Sediment Management (RSM) Program has encouraged the beneficial use of dredged sediment instead of disposing of the sediment in offshore or upland disposal sites. While USACE Districts have been incorporating beneficial use strategies in their projects, quantifying the prevalence and the additional benefits through this have been challenging to document. Having an enterprise database solution with an interactive viewing capability would make this data more accessible and support the spread of beneficial use strategies nationally.

**Successes
Lessons Learned**

Lessons learned will be compiled during the duration of this study.

**Projected Benefits
Cost Savings
Value Added**

The online data viewer will provide a platform to examine Beneficial Use projects at the local, regional, and national scale. Providing access to project results will assist other Districts in assessing potential strategies and project alternatives. The BU Database will allow any user (federal agency, resource agency, stakeholder, local government, etc.) to determine total project dredge volume over time, Beneficial Use placement areas, and the percentage of Beneficial Use projects.

Expected Products

- RSM Beneficial Use Database
- Updated web tool and web service capabilities

Stakeholders/Users

Stakeholders will include all USACE Districts performing Beneficial Use dredging projects. The Districts will be involved in verifying the accuracy of data imported from DIS.

**Leveraging
Opportunities**

This work will leverage historical dredging data from the USACE Institute for Water Resources (IWR) Navigation Data Center's Dredging Information System (DIS). District specific dredging records will also be used to verify the accuracy of new database entries.

Points of Contact

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Participating Partners

USACE Institute for Water Resources (IWR) Navigation Data Center