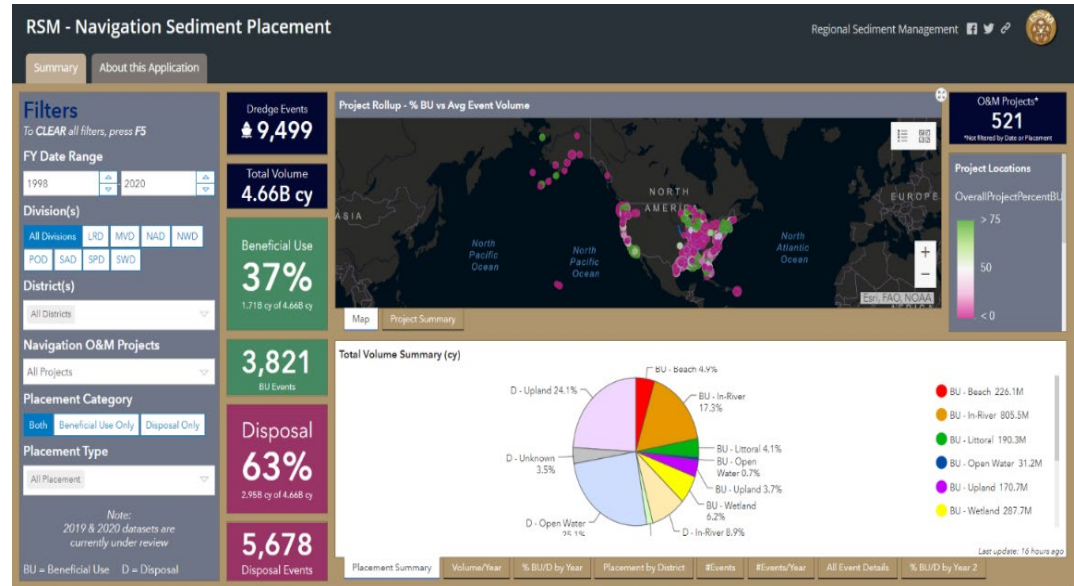


FY21 RSM IPR



ERDC CHL, RSM National Sediment Data Placement Viewer, Benjamin Emery, Michael Hartman

BLUF: Data from the USACE Institute for Water Resources (IWR) Navigation Data Center's Dredging Information System (DIS) is utilized and refined using intra-agency outreach to obtain District-managed information and data. The data viewer categorizes the dredge placement efforts between disposal and beneficial use for beach, in-river, littoral, open water, upland, or wetland zones.



Challenge/Objectives

- Engage Districts to authenticate DIS data and fill existing data gaps
- DIS data consistency
- Provide User's Guide for the Data Placement Viewer

Approach:

- DIS Data
- District Outreach and QA/QC
- Future – Utilize RMS records

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District/Other USACE PDT Members

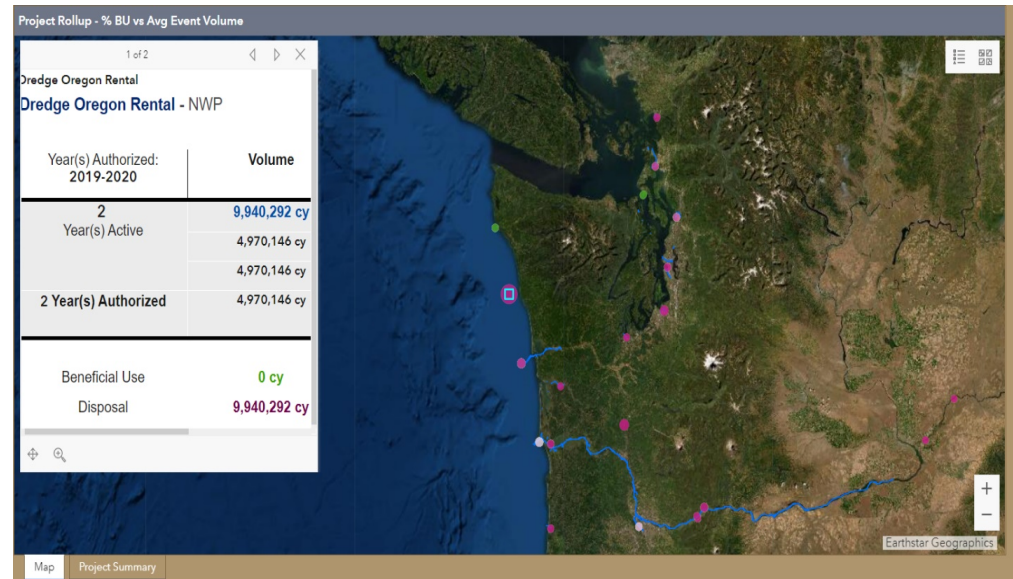
- USACE-IWR NDC
- Rose Dopsovic, SAM OP-J
- USACE District Collaborators

Stakeholders/Partners

Dr. Katie Brutsché, RSM Program Manager
USACE Districts, Divisions, and HQ

Leveraging/Collaborative Opportunities

- Elko Coastal Consulting & APTIM
- USACE-IWR NDC Team
- SBAS
- National Channel Framework
- Potential for collaboration with RMS



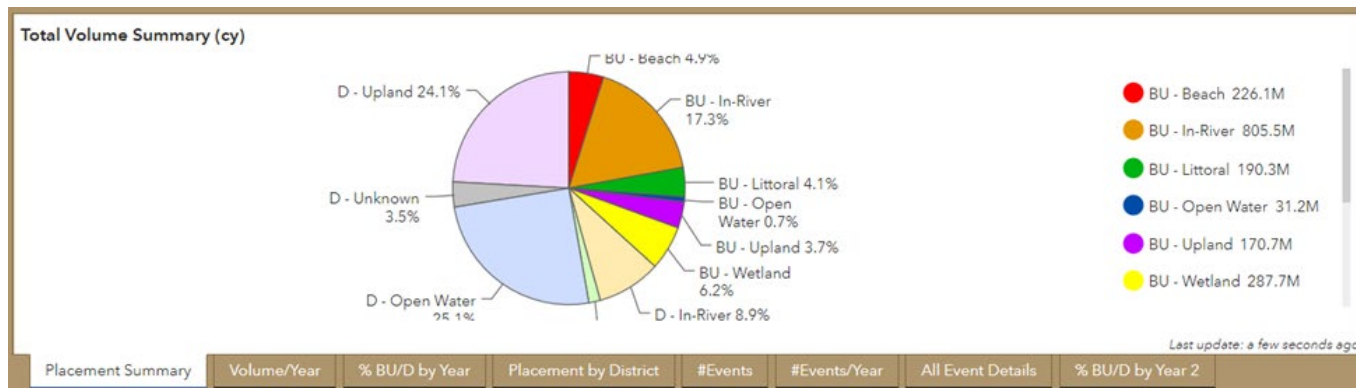
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Accomplishments/Deliverables:

- All FY19/20 dredge placement data has been QA/QC'd and uploaded to the viewer
- “USACE Navigation Sediment Placement: An RSM Program Database (1998 – 2018”, Nicole Elko, Katie Brutsche, Quin Robertson, Michael Hartman, Zhifei Dong, April 2021 – Submitted for publication in April 2021.
- “National Sediment Placement Data Viewer Users Guide”, Benjamin Emery, May 2021 – Submitted for publication in May



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What challenges did you face to get your project to implementation and how did you move past them? If not yet implemented, what is your path forward to construction? What were your lessons learned that you think might benefit other Districts?

Biggest Challenge: Data Completeness, Consistency, Verification. Ensuring inputs to DIS (and other similar databases) are accurate and complete will assist researchers in their efforts, and allow for quicker more robust data analysis.

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How is this project benefiting the USACE and Nation?

(efficiency, monetary, technical, relationship building, outreach, etc.)

(Volume of sediment to be managed, Acres created, etc)

BE SPECIFIC – we are looking to more formally document these benefits

- Having an enterprise-wide database solution with single project as well as district, division and national interactive viewing capabilities makes this data more accessible and valuable, supporting the spread of beneficial use strategies regionally and nationally.
- The public-facing database allows any user (federal agency, resource agency, stakeholder, local government, etc.) to determine total project dredge volume over time, project iterations, beneficial use placement areas, and the percentage of beneficial use opportunities realized.