



US Army Corps
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Engineer Research and
Development Center

Regional Sediment Management Program

NAD/SAD - Evaluation of RSM Actions Using Government Shallow Draft Dredges



Description	Conduct a workshop to evaluate ways to improve sediment management on projects in NAD and SAD that use Government Shallow Draft Dredges (SDD). Share project specifics and lessons learned between Wilmington District (as the SDD operator) and SDD-user Districts in NAD and SAD. Discuss new ways to use and manage sediment, improve value (maximize productivity, reduce cost, optimize across business lines), gain operational efficiencies, and determine how to best leverage the capabilities of the SDD fleet.
Issue/Challenges	The Government Shallow Draft Dredges operated by Wilmington District serve multiple projects along the Atlantic Coast. Although operational schedules are regularly coordinated between Wilmington District and user Districts within SAD and NAD, there has been little, if any, technical coordination to promote and achieve more efficient sediment management with the use of these dredges.
Successes Lessons Learned	<p>The workshop was held 18-19 January 2012 at SAD in Atlanta, GA. A technical note is being written to document the findings and recommendations of the workshop, which include:</p> <ul style="list-style-type: none">• Direct pumpout capability could expand and enable improved sediment management.• Use a systems approach to manage low use shallow draft projects at the regional level.• Some projects require a determination as to where certain sediments are migrating to.• Restrictions and constraints on placement differ within the NAD/SAD region.• There are gains that can be realized by leveraging work across business lines.
Expected Products	<ul style="list-style-type: none">• Technical Note
Potential Users	SDD user-Districts; SAW as the SDD owner/operator
Projected Benefits	Expected benefits include improved sediment management, more efficient and productive use of SDD, and cost savings.
Leveraging Opportunities	<p>There are three (3) initiatives that are concurrent with and closely related to this initiative:</p> <ul style="list-style-type: none">• Streamline the MOA process for accepting contributed funds from local stakeholders• Evaluation of low use shallow draft projects using Government SDD• Low use pilot program• Low use prioritization initiative
Points of Contact	Richard Thorsen, PE, Navigation Program Manager, NAD Richard Dylan Davis, Navigation Program Manager, SAD
Participating Partners	ERDC, NAD, NAE, NAN, NAP, NAB, NAO, SAD, SAW, SAC, SAS, SAJ, SAM