

GREAT LAKES DREDGING TEAM WRDA 2020 SECTION 125 BENEFICIAL USE

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US Army Corps
of Engineers





WRDA 2020 SECTION 125



This section renews the Congressional commitment to beneficial use (BU) of dredged material by:

- (a) establishing a national policy to maximize the beneficial use of material obtained from Corps projects; requiring the Corps to calculate the economic and environmental benefits of the beneficial use of dredged material when calculating the Federal Standard,
- (b) amending section 204(d) of WRDA 1992 to direct that other-than-least-cost placements of dredged material for certain purposes be funded using appropriations available for construction or operation and maintenance of the water resources development project producing the dredged material
- (c) increasing the number of beneficial use of dredged material demonstration projects to 35 projects,
- (d) directing the Corps to develop five-year regional dredged material management plans, and
- (e) emphasizing greater coordination across the Corps' dredging contracts.



WHAT IS BU- NAV



- Habitat Development
 - Marsh
 - Wetland
 - Wooded wetland
 - Upland
 - Island
 - Sea grass
 - Clam flats, oyster beds, mussel beds, other shellfish
 - Artificial reefs and underwater berms
- Beach and beach nourishment
- Parks and recreation
- Agriculture, horticulture, forestry, and aquaculture
- Strip mine reclamation, solid waste landfill and alt uses
- Multipurpose concepts
- Construction and Industrial/Commercial uses
 - Harbor and Port facilities
 - Residential and urban use
 - Airports
 - Dikes, levees, and containment facilities
 - Fill material and roads
 - Islands and historic preservation
-

- EM 1110-2-5025
- BU-RSM-EWN

- What are we counting?
- What are we not counting?
- How are we tracking?



BU TRACKING



<https://rsm.usace.army.mil/budb/>

EM 1110-2-5025

RSM - Navigation Sediment Placement Regional Sediment Management

Summary | About this Application

Filters

To CLEAR all filters, press F5

FY Date Range
1998 - 2021

1998 - 2021
Set to minimum Set to maximum

Reset

District(s)
Show All

Navigation O&M Projects
All Projects

Placement Category

Both Beneficial Use Only Disposal Only

Placement Type
All Placement

Note:
2020 & 2021 datasets are currently under review.
Data last updated 6/1/2021

BU = Beneficial Use D = Disposal

Dredge Events
 10,083

Total Volume
4.74B cy

Beneficial Use
40%
1.89B cy of 4.74B cy

4,799
BU Events

Disposal
60%
2.85B cy of 4.74B cy

5,284
Disposal Events

Project Rollup - % BU vs Avg Event Volume

Map | Project Summary

O&M Projects*
511
*Not filtered by Date or Placement

Project Summary

PercentBU
 > 100
 < 50
 < 25

AvgEventVolume
 > 7,000,000
 5,000,000
 3,500,000

Total Volume Summary (cy)

Category	Percentage	Volume (M)
BU - Beach	4.8%	229.4M
BU - In-River	18.8%	891.5M
BU - Littoral	5.2%	246.4M
BU - Open Water	0.7%	33M
BU - Upland	4.2%	200.2M
BU - Wetland	6.1%	287M
D - In-River	13.7%	647.6M
D - Littoral	1.7%	81.3M
D - Open Water	24.1%	1.1B
D - Upland	19.9%	941.5M
D - Unknown	0.9%	41M

Last update: a few seconds ago

Placement Summary | Volume/Year | % BU/D by Year | Placement by District | #Events | #Events/Year | All Event Details | % BU/D by Year 2



204(D) VS 125



204(d) CAP- USACE can pay over the FS, cost shared with the sponsor with the delta paid from CAP

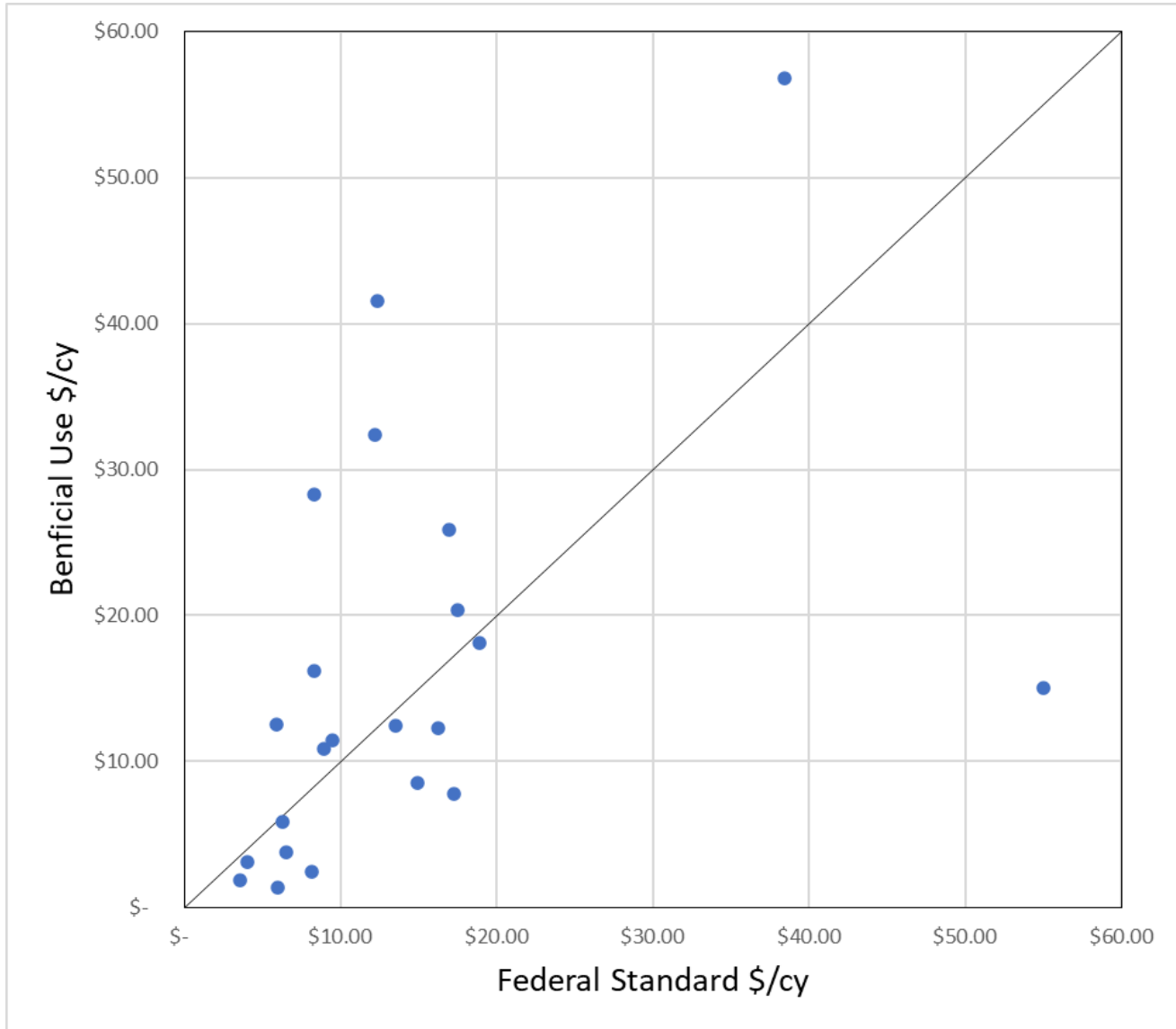
- must be in feasibility
- very engineered placements
- no O&M – one and done
- limited by \$

125 – USACE can pay over the FS, no established cost share [adopt 204(d)], overage can come from the O&M/Construction account

- start it any phase of the dredging cycle
 - temporary vs permanent placement
 - exercise in opportunity—ready to accept material at go time?
-
- FY22 \$4.3B O&M budget ... and \$11B in O&M packages



BU AND OUR PORTFOLIO



- Not including all the economic/enviro benefits
- How can we make BU economical?
- Est. ~3-5% requires special handling and management due to contaminates



REGIONAL 5- YR DMMP



All projects have a preliminary assessment or DMMP

Break into the dredging cycle for BU...

Districts know O&M projects - dredging cycles, typical volumes, FS placement costs, general sediment characteristics, etc.

Think: just adding placement sites to the portfolio
operational
regional, across BLs and projects
stakeholder involvement

Projects don't have to have RE and Enviro coordinated now- look out 5 yrs and lay out how to get there



ENTERPRISE AND REGIONAL COORDINATION



WHERE WE ARE — U.S. ARMY CORPS OF ENGINEERS





PATH FORWARD

- Leadership to set national goals for beneficial use
- Reaffirm definition of beneficial use outlined in Engineer Manual 1110-2-5025
- Establish reporting metrics in the Dredge Information System and increase visibility via RSM BU database
- Issue guidance for Section 125
 - include economic and environmental benefits
 - **increase stakeholder engagement**
 - submit budget packages (in PDM)
- Identify and address challenges
 - Real estate, timing, funding, environmental coordination
 - Memorandums of Agreement for rapid execution
- Align multiple efforts
 - Revolutionize USACE BU Tiger Team
 - ERDC Engineering with Nature and Regional Sediment Management
 - 1122 execution



Baltimore District, Stakeholder Engagement and BU projects





BU REFERENCES



DOTS Beneficial Uses of Dredged Sediment: <https://budm.el.erdc.dren.mil/index.html>

Regional Sediment Management, Beneficial Use Database: <https://rsm.usace.army.mil/budb>

Dredging Information System: <https://dredging.usace.army.mil/lpwb/f?p=116>

Engineering with Nature: <https://ewn.el.erdc.dren.mil/>

Revolutionize USACE: <https://www.usace.army.mil/Missions/Civil-Works/Infrastructure/revolutionize/>

