GREAT LAKES DREDGING TEAM
WRDA 2020 SECTION 125 BENEFICIAL USE

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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
- .....

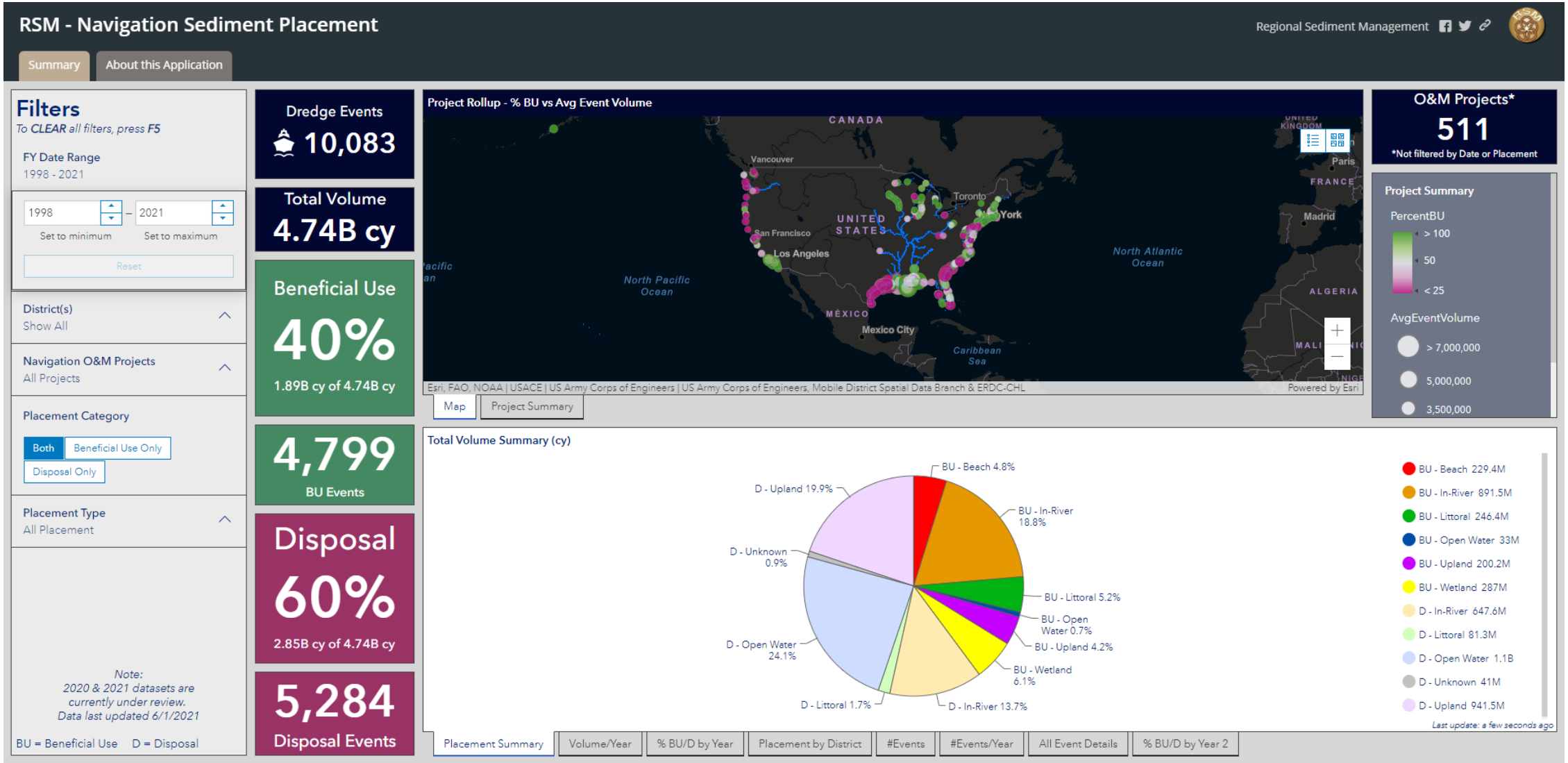
- EM 1110-2-5025
- BU-RSM-EWN

- 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



204(D) VS 125

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

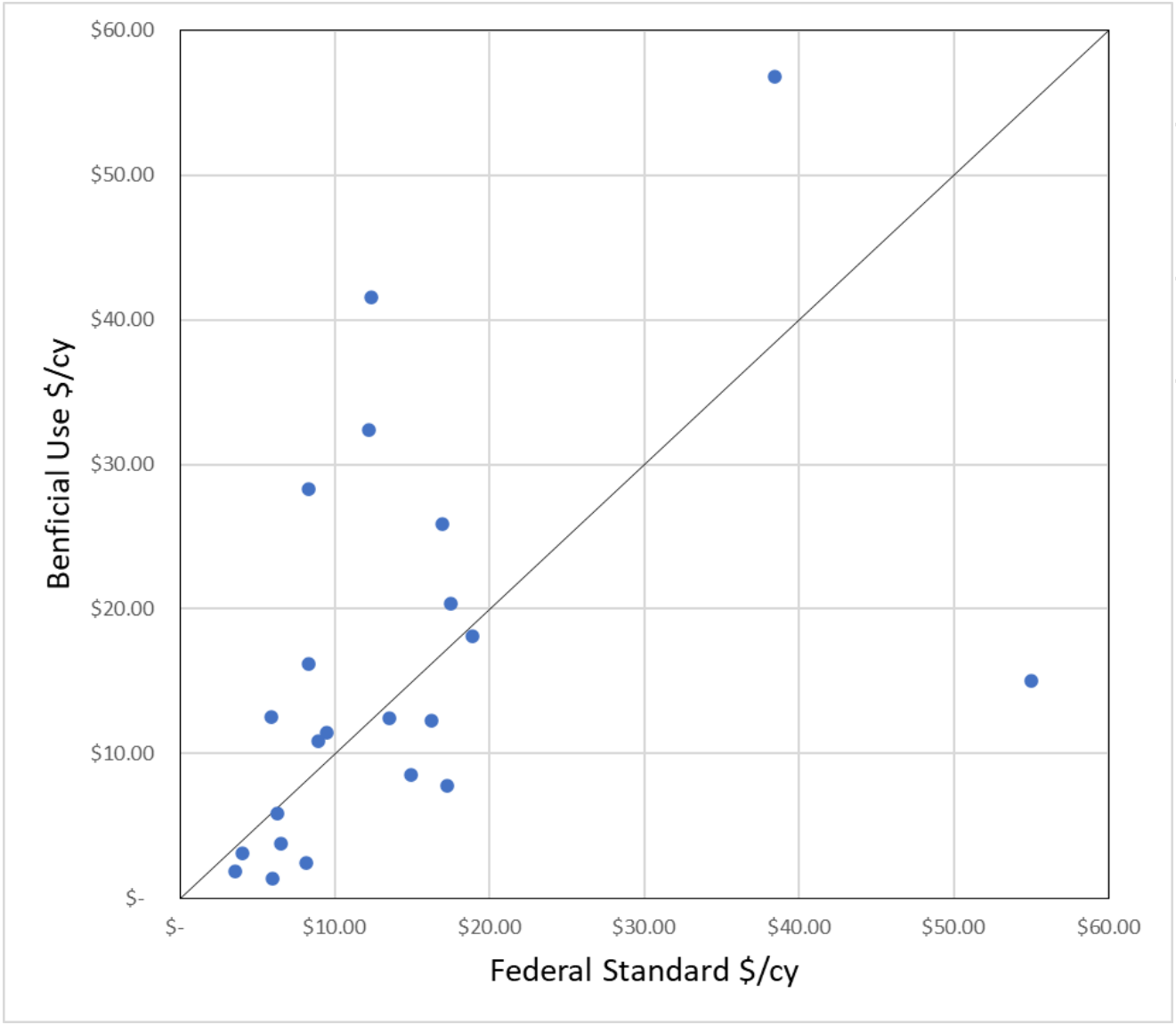
- must be in feasibility
- very engineered placements
- no O&M – one and done
- limited by $

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

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/