

# Beneficial Use of Dredged Sediments

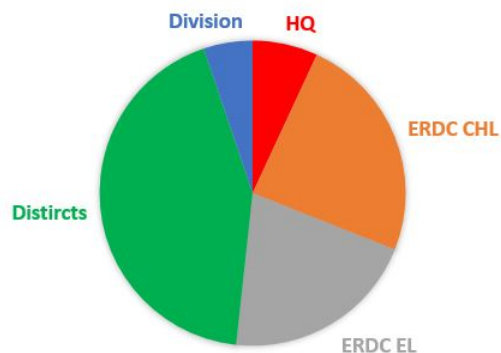
Productive and positive uses of dredged material.

## 2021 Beneficial Use of Dredged Material Virtual Workshop

### Summary

Beneficial Use of Dredged Material (BU) is a popular topic being discussed at the national level. Notably, there is **strong push** to increase BU placement and reduce offshore or confined disposal of dredged material.

2021 BU WORKSHOP ATTENDEES DISTRIBUTION



On July 13-15, 2021, **58 representatives** from USACE HQ, 2 USACE Divisions, 14 USACE Districts, and USACE ERDCs' Environmental (EL) and Coastal Hydraulics (CHL) Laboratories came together and participated in a virtual workshop on the beneficial use (BU) of dredged sediments. The overall goal was to organize the BU community across USACE and develop a path forward to increase BU practices. Talks and discussions focused on the current status of BU across USACE, including success stories on innovative BU projects, challenges related to regulatory issues, state and federal policies, technical logistics, and stakeholder engagement, as well opportunities for expanding current practices to include more regular and innovative BU applications.

The workshop was co-hosted by Dr. Amanda Tritinger (ERDC-CHL) and Dr. Kelsey Fall (ERDC-CHL) on behalf of the EWN®, RSM and CIRP research programs. The workshop concluded by introducing and awarding the first annual Timothy L. Welp Award for Advancing Beneficial Use of Dredged Sediments, to recognize teams (with members across and outside of USACE) that have advanced progress on beneficial use through collaboration, partnering, innovation.

### Workshop Objectives

- 1) **Develop** and **document** the status of BU across USACE
- 2) **Organize** a BU community across ERDC and USACE
- 3) **Develop** effective communication and collaboration on BU
- 4) **Identify** obstacles and levers for BU
- 5) **Identify** and **initiate** actions for increasing and advancing BU.

### Workshop Participants:

Workshop attendees included:

- 4 representatives from were HQUSACE
- 3 representatives from 2 USACE Divisions
- 25 representatives from 14 USACE Districts
- 26 representatives from USACE ERDC's Environmental (EL) and Coastal Hydraulics (CHL) Laboratories.

USACE Districts and Division offices that were represented at the 2021 Virtual BU Workshop.

USACE Districts	USACE Divisions
MVN	MVD
MVP	SPD
MVR	
MVS	
NAB	
NAP	
NOW	
POH	
SAJ	
SAM	
SAS	
SPL	
SWG	
SON	

USACE Specific Districts and Division present are listed in the table to the right.



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### Workshop Outcomes:

An implementable list of action items for advancing BU was produced:

- 1) **Establish a Beneficial Use Working group.** A team comprised of representatives across USACE (HQ, Districts, Divisions, and ERDC) to lead the effort in increasing and advancing BU practices across USACE.
- 2) **Establish USACE Beneficial Use Dredged Material Website.** An information portal dedicated to BU including information regarding past/current BU practices and guidance.
- 3) **Formal Documentaiton of 2021 Workshop Preceedings.** A detailed executive summary documenting workshop dicussions, presentations, and suggested path forward.
- 4) **Beneficial Use Fact Sheets.** Factsheets describing relevant BU projects/R&D programs were requested. To date, 19 have been received. These (and anymore received) will be edited and published via website.

### Inaugural Timothy L. Welp Award for Advancing Beneficial Use of Dredged Sediments



**Timothy L. Welp (1957-2021)**  
Research Hydraulic Engineer (ERDC-CHL)  
*A great engineer, mentor and friend.*

The workshop concluded by introducing and awarding the Timothy L. Welp Award for Advancing Beneficial Use of Dredged Sediments. The award was named in honor of Timothy L. Welp, a research hydraulic engineer with ERDC's Coastal Hydraulics Laboratory (CHL) and a leader in the field of dredging and dredged material management. The award recognizes teams (with members across and outside of USACE) that have advanced progress on beneficial use through collaboration, partnering, innovation.

The inaugural Timothy L. Welp Award for Advancing Beneficial Use of Sediment was awarded to Monica Chasten (NAP) and her team to commend the restoration efforts via beneficial use of dredged sediments at Sturgeon and Gull Island, two marsh islands located Cape May County, New Jersey (<http://wetlandsinstitutue.org/smiil>). These projects were a results of a partnership between U.S. Army Corps of Engineers Philadelphia District (USACE-NAP), the State of New Jersey (NJDEP), The Wetlands Institute (TWI), and the USACE Engineer Research and Development Center (ERDC).

Honorable mentions in recognition of BU practices was given to: (1) Swann Island, MD Restoration Project, (2) Removal of Beneficial Use Impairments at Duluth Harbor, and (3) Middle Mississippi River Island Creation.



Placement at (A) Gull and (B) Sturgeon Island. (C) Dredged slurry being pumped on southern Gull Island. (D) Innovative sediment distribution pipe being utilized as part of the Sturgeon Island placement.

### Additional Information?

All Workshop materials (fact sheets and presentations) can be downloaded from <https://budm.el.erd.c.dren.mil/>.



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