

SEDIMENT TO SOLUTIONS: CHANNELING INNOVATION

THE PORT OF BALTIMORE IS A KEY
ECONOMIC DRIVER
for the State of Maryland

DREDGED MATERIAL

is sediment removed from the shipping channels



\$3 Billion in annual wages & salaries



35+ Million tons of cargo



100K+ jobs

DREDGING MAINTAINS SAFE PASSAGE FOR VESSELS

making their way through shipping
channels and keeps the Port
OPEN FOR BUSINESS

SEDIMENT (MOSTLY FINE SILTS, CLAY, AND SOME SAND)

ACCUMULATES AND DEPOSITS IN THE SHIPPING CHANNELS

Dredged material is a
REPLENISHABLE RESOURCE
that can be **REPURPOSED**

in a variety of ways to benefit the
economy and environment



**SITE
RECLAMATION**



**CONSTRUCTION
MATERIALS**



**MANUFACTURED
TOPSOIL**



**ENVIRONMENTAL
RESTORATION**



**SEDIMENT IS
TESTED & ANALYZED TO**
ensure it meets environmental and
human health requirements



APPROXIMATELY 5 MILLION CU. YARDS REMOVED PER YEAR
1.1 MILLION FROM THE
BALTIMORE HARBOR CHANNELS



FINDING NEW PLACEMENT CAPACITY

IS A CHALLENGE
IN THE BALTIMORE
REGION

Property adjacent to the
Port is densely populated
and developed

MASONVILLE

COX CREEK

CURRENT PLACEMENT OPTIONS:

CONTAINMENT FACILITIES
& ENVIRONMENTAL SITES

Cox Creek
Masonville
Poplar Island

THE MARYLAND DEPARTMENT OF TRANSPORTATION
**MARYLAND PORT ADMINISTRATION IS
EXPLORING
NEW
SOLUTIONS**
INNOVATIVE
AND
BENEFICIAL USE



HOW CAN WE MAKE INNOVATIVE & BENEFICIAL USE A REALITY?



The Maryland Department of Transportation Maryland Port Administration (MDOT MPA) is committed to making innovative and beneficial use a significant part of the agency's management plans. A long-term strategy was approved in 2014, with the advice and input of key stakeholders and the public. As part of that work, an Interagency Regulatory Workgroup was formed in the summer of 2015 to identify policy recommendations and new processes to advance the potential for dredged material reuse.

The Workgroup issued a final report in June 2016 highlighting 7 key findings and outlining 5 recommendations, including the establishment of a clear and transparent regulatory framework to facilitate meaningful opportunities for innovative products and beneficial use projects. In August 2017, the Maryland Department of Environment (MDE) released their Innovative Reuse and Beneficial Use of Dredged Material Guidance Document and accompanying materials, which provide a clear framework for screening and categorizing dredged material for a variety of end uses. The screening criteria are based on the end-use and exposure risks, ensuring environmental and public health protections are in place while enabling vast opportunities for safe reuse.



Close coordination with regulatory agencies and other key partners, including the Innovative Reuse Committee, Harbor Team and other Dredged Material Management Program (DMMP) Committees, remains underway as MDOT MPA advances several small-scale demonstration projects. Representatives from the private sector, local governments, and industry continue to provide important feedback on this framework and MDE's Guidance Document so they can make dredged material a regular part of their business.

Dredged material is valuable – removing it from shipping channels keeps the Port of Baltimore **OPEN FOR BUSINESS**, and exploring new uses can spur innovation, benefit the environment, and grow Maryland's economy.



Check out our video to learn more!

<https://mpa.maryland.gov/greenport/Pages/publications.aspx>

For more information, please contact:

Kristen Keene

kkeene2@marylandports.com

(410) 385-4462

**SEDIMENT TO SOLUTIONS:
CHANNELING INNOVATION**

Learn more at: <http://www.mpa.maryland.gov/greenport/Pages/dmmp.aspx>

