

Masonville

Dredged Material Containment Facility (DMCF)



DREDGED
MATERIAL
MANAGEMENT
PROGRAM



LOCATION

Middle Branch
of the Patapsco
River in
Baltimore City

101 acres
10.4 million cubic yards
(mcy) of capacity

Located along the Middle Branch of the Patapsco River near the Hanover Street Bridge, Masonville DMCF is named for an extinct railroad town. After purchasing the site, the Maryland Port Administration (MPA) removed more than 61,000 tons of trash and debris and launched an extensive environmental restoration effort before constructing the DMCF. Construction of the DMCF began at Masonville in 2007. All on-site and off-site mitigation from the impacts of constructing the DMCF have been completed with monitoring underway. Masonville Cove is now an urban haven for wildlife and a thriving community center that has welcomed more than 45,000 visitors and students.

STATUS: DMCF Expansion Underway

2010



First Inflow of Harbor material

VERTICAL EXPANSION

After Hart-Miller Island DMCF stopped receiving dredged material in 2009, the Masonville DMCF became critical for supporting Harbor dredging operations serving the Port of Baltimore.

The Masonville DMCF is currently undergoing expansion to increase capacity with incremental dike raising with steep slope designs. Dike raising to +18 feet was completed in 2021. Base dike widening to prepare for additional elevation began in 2022 and was completed in 2023. Dike raising at the Masonville DMCF to an elevation of +30 feet is 30% complete and slated for completion by the end of 2025. The design for raising the dike to +42 feet, is taking place concurrently with construction to +30 feet and expected design completion is by the end of 2025. With the final elevation of +42 feet, the DMCF will gain additional capacity critical to maintaining the 50-foot channel system necessary for the competitive movement of cargo and the thousands of jobs associated with the Port.

Masonville Citizen
Advisory Committee
was created in 2008
to provide advice,
oversight, and
support to MPA on the
Masonville DMCF



Home to over 300 species
of birds and animals and
provides an abundance
of programs that allow
people to interact with
wildlife, inspiring the next
generation of
environmental stewards.



www.Maryland-DMMP.com

Updated 11/2024

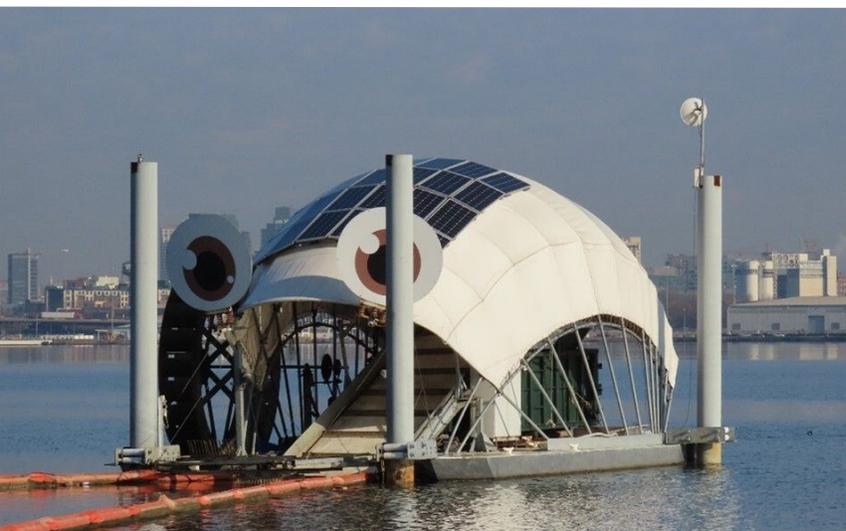
Masonville Cove



MASONVILLE COVE CAMPUS

MPA worked with Maryland Environmental Trust and Baltimore Green Space to secure a conservation easement on the waterfront property covering over 46 acres of restored wetlands, uplands, and nature trails. The Masonville Cove Campus is a refuge and gateway, reconnecting communities to the water by providing public access to the shoreline, piers, trails, and free environmental programming.

In 2018, Captain Trash Wheel arrived at Masonville Cove. Baltimore's third trash wheel was commissioned by MPA to help keep litter out of the Patapsco River.



ACCESS

Open to the public, this popular birding and fishing spot is home to the nation's first Urban Wildlife Refuge Partnership.



In a city filled with pavement and skyscrapers, Masonville Cove serves as a green oasis for wildlife and people in Baltimore.

"I will be a lifetime advocate of Masonville Cove"

— Shayla Harris, Computer Science Major, Coppin State University



Visit MasonvilleCove.org for more information.



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