

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

STATUS: DMCF Expansion Underway

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 of Masonville Cove, adjacent to 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 education center that has welcomed more than 54,000 visitors and students.

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 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 is expected to be complete by the end of 2025, with construction expected to begin in 2026. 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



Over 300 species of
birds and other wildlife
have been observed at
Masonville DMCF and
Masonville Cove.



Masonville Cove



MASONVILLE COVE CAMPUS

Operated in partnership with Living Classrooms Foundation, National Aquarium, and US Fish and Wildlife Service, the Masonville Cove Campus has been serving classrooms and communities since 2013. Today, Masonville Cove is a City treasure. MPA worked with the 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.

In 2018, Captain Trash Wheel arrived at the Cove. Baltimore's third trash wheel was commissioned by MPA to help keep litter out of the Patapsco River. Captain Trashwheel captures an average of 5.5 tons of refuse per year.



ACCESS

Masonville Cove is open to the public and is 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](https://www.MasonvilleCove.org) for more information.



www.Maryland-DMMP.com

