Masonville
Dredged Material Containment Facility (DMCF)

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND PORT ADMINISTRATION

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. Masonville Cove is now an urban haven for wildlife and a thriving community center that has welcomed more than 40,000 visitors and students.

VERTICAL EXPANSION

After Hart-Miller Island stopped receiving dredged material in 2009, the Masonville DMCF became critical for supporting Harbor dredging operations serving the Port of Baltimore. The Cox Creek DMCF in Anne Arundel County remains the only other Harbor site available to contain dredged material.

In 2020, elevation of the dikes along the perimeter of the facility was raised 8 feet to 18 feet above mean lower low water (MLLW). Over time, the dikes will be raised to 42 feet MLLW, providing a total capacity of 10.4 million cubic yards for the placement of dredged material. When the Masonville DMCF reaches full capacity, the newly created land will be converted into terminal space for Port cargo operations.

101 ACRES

Capacity: 10.4 mcy
DMCF Vertical Expansion Underway

2010

First Inflow of Harbor material

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

Masonville Cove

MASONVILLE COVE CAMPUS

MPA worked with Maryland Environmental Trust and Baltimore Green Space to secure a conservation easement on the entirety of the waterfront property covering over 50 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 [liked] learning about the animals and trees that are found at Masonville Cove."

— Eleanor, Girl Scout, Age 7

Visit MasonvilleCove.org for more information.