



**US Army Corps
of Engineers®**
Detroit District

Green Bay Dredged Material Management Plan

SITE DESCRIPTION

Green Bay (the Bay) is the largest bay on Lake Michigan and the largest freshwater estuary in the world. The Bay is 120 miles long and approximately 14 miles wide. Water quality in the Bay is strongly influenced by that of the Fox River, which enters the bay at its southernmost point. The combined Fox River and lower Green Bay are an International Joint Commission (IJC) Area of Concern (AOC).

The Green Bay Harbor (Harbor) handles over 2.5 million tons of cargo per year consisting primarily of coal, limestone, cement and non-metallic minerals. The cost of dredging and placement of dredged material has increased due to the need for special handling of the inner harbor material. In order to continue handling the vessels that carry the tonnage in the Harbor, approximately 215,000 cubic yards of sediment must be removed on an annual basis. Of that, 117,000 is clean material removed from the outer Harbor and 98,000 is from the inner Harbor. The Dredge Material Management Plan (DMMP) establishes a 20 year plan for the handling of dredge material by way of the most cost effective and environmentally acceptable solution.

EVALUATED PLANS

Several placement options were evaluated including upland, various combinations of island creation and open water. The plans evaluated the capacity, cost and other potential benefits and were then compared to determine the National Economic Development (NED) plan. The NED plan maximizes the net benefits accruing to the project and it becomes the selected plan. Although environmental benefits were not evaluated in detail, the selected plan would result in the greatest amount of restoration of the plans evaluated.

THE SELECTED PLAN

Inner harbor dredged material will continue to be placed in the existing Bayport Confined Disposal Facility (CDF) until the year 2023 when the CDF will be expanded to 36 adjacent acres to provide capacity for the remaining years, 2024 – 2031. Outer Harbor dredged material will be placed in an in-water placement facility consisting of three islands referred to as the West, Middle and East Islands built at the location of the former Cat Island chain. Clean outer Harbor dredged material will be placed in these islands, ultimately restoring approximately 272 acres of terrestrial habitat. Depending on the availability of funding, the perimeter of the islands may be built incrementally or as a single project.

CONTACTS

Project Manager

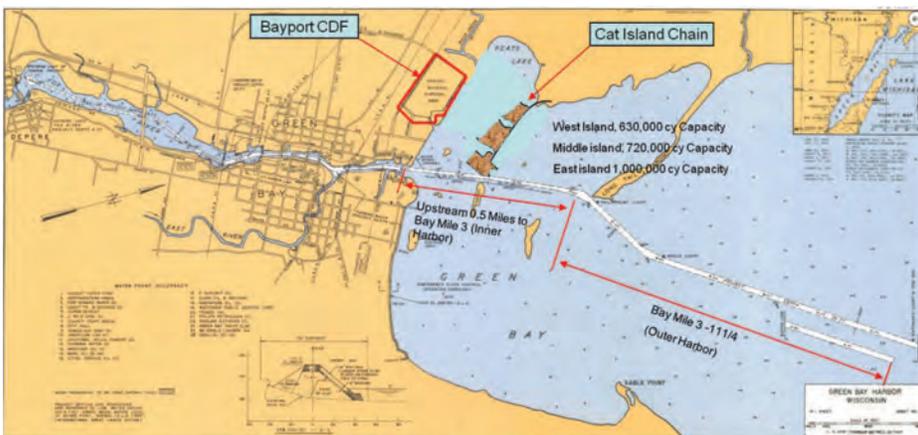
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Check out the project on our website:
Follow the link to: Green Bay Dredged
Material Management Plan (Cat Island
Project) from our Homepage:

<http://www.lre.usace.army.mil/>



Green Bay Harbor DMMP, Green Bay, WI

36 acre Dredge Material Disposal Facility and Cat Island Chain, General Location