



## Green Bay Harbor, WI

### Harbor Features

- Located at the mouth of the Fox River at the head of Green Bay in Lake Michigan.
- Authorization: River & Harbor Acts of 23 Jun 1866, 13 Jul 1892, 26 Jun 1910, 8 Aug 1917, 3 Mar 1925, 30 Aug 1935, 26 Aug 1937, 2 Mar 1945, 23 Aug 1962
- Deep draft commercial harbor
- Project depths of 26 feet for about 11.5 miles upstream from the entrance channel, 24 feet from Grassy Island to 0.5 mile upstream from the mouth of the Fox River, and 22 feet 0.5 miles upstream of the river mouth to 3.3 miles upstream of the river mouth.
- Five year average (2006-2010) tonnage is 2.3M tons of material shipped and received
- Ranked 27<sup>th</sup> among the Great Lakes Harbors based on five year average (2006-2010) tonnage
- 109<sup>th</sup> leading U.S. port in 2010
- Over 14 miles of maintained channel
- Material is currently placed in the Bay Port disposal facility under an agreement with the Brown County Port Department, since the Green Bay Confined Disposal Facility at Renard Island is currently at capacity and in the process of being closed.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Flint Hills Resources, Great Lakes Calcium Corp., Fox River Dock Co., Sanimax Corp., St. Mary's Cement Co., Western Lime Corp., C. Reiss Coal Co., Leicht Transfer & Storage Co., Noble Petro, K&K Integrated Logistics, Lafarge Corp., Construction Resource Management, Georgia Pacific Corp, Proctor & Gamble, and Wisconsin Public Service.

### Project Requirements

- Approximately 180,000 cubic yards of material must be dredged each year to provide for one-way vessel traffic; the harbor was last dredged in 2012.
- There are plans to dredge the harbor in 2013. Maintenance dredging is also planned for 2014.



- The Renard Island CDF must be closed and turned over to the local sponsor. The first phase of this process has been completed (construction of the causeway), and Brown County completed an initial transport of material from the Bay Port CDF to Renard. Additional material will be transported to Renard Island in FY13 and the material will be shaped prior to turnover.
- An EPA Superfund site is located within the Federal channel. Close coordination with EPA and WDNR is required for maintenance dredging projects.
- The Cat Islands project involves restoring a series of barrier islands in Green Bay Harbor. This project will provide significant long-term capacity for material dredged from the bay. Construction began in FY12 with Great Lakes Restoration Initiative funding and will be completed with USACE Construction General funding. Construction is scheduled to be complete in 2015.

### Consequences of Not Maintaining the Project

- Reduction of bulk commodities that pass through the harbor that generate \$96M annually in direct revenue while supporting 1,495 direct, indirect, and induced jobs that produce over \$103M per year in personal income
- Light loading; loss of between 1 and 2 feet of channel depth results in increased transportation costs of between \$439,000 and \$1.1M annually; product diversion to Menominee, MI at a significant transportation cost.

### Consequences of Not Maintaining the Project

➤ If the harbor was closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 5.2M lbs of harmful particulate matter (PM-10) and increase costs by \$690,000 due to increased railroad related accidents, and \$529,000 due to increased trucking related accidents.

### Transportation Importance

➤ Major receiving port on the Great Lakes  
➤ Commodities include coal, limestone, cement, salt, pig iron, fuel oil, liquid asphalt, lumber, gypsum, petroleum products, heavy equipment and general cargo, including overseas cargo.  
➤ Supports approximately 200 recreational boat slips.

## **U.S. Army Corps of Engineers Fiscal Year (FY) 2012, 2013 and 2014 Green Bay Harbor, WI - Project Requirements and President's Budget (\$1,000)**

<b>Work Package</b>	<b>FY12 Requirement</b>	<b>FY12 Appropriation</b>	<b>FY13 Requirement</b>	<b>FY13 President's Budget</b>	<b>FY14 Requirement</b>	<b>FY14 President's Budget</b>
Project Condition Surveys	361	354	360	360	367	367
Maintenance Dredging – Primary Work Package	3,045	2,985	2,820	2,820	3,000	3,000
Maintenance Dredging – Backlog Work Package	1,600		600		1,600	
CDFs – Renard Island Closure	5,000		5,000		5,000	
Phase 1 Cat Island Disposal Construction - CG			7,000	7,000	1,900	1,900
<b>TOTALS</b>	<b>10,006</b>	<b>3,339</b>	<b>15,780</b>	<b>10,180</b>	<b>11,867</b>	<b>5,267</b>

### Congressional Interests

- Representative Reid Ribble R-WI-8
- Senator Ron Johnson R-WI
- Senator Tammy Baldwin D-WI