



US Army Corps
of Engineers



Great Lakes
Navigation System

Critical Project Needs

Wayne Schloop, P.E.
Chief of Operations - Detroit



US Army Corps
of Engineers

Critical Needs



- **Manistee Harbor**
- **Milwaukee Harbor**
- **Saginaw River**
- **Green Bay Harbor**
- **Monroe Harbor**
- **St Marys River**
- **Duluth-Superior Harbor**
- **Grand Haven Harbor**
- **Holland Harbor**
- **St Joseph Harbor**
- **Detroit River**



US Army Corps
of Engineers

Duluth-Superior Harbor

St Marys River

Green Bay Harbor

Manistee Harbor

Saginaw River

Milwaukee Harbor

Grand Haven Harbor

Holland Harbor

Detroit River

St Joseph Harbor

Monroe Harbor



US Army Corps
of Engineers

Minnesota

Michigan

Wisconsin

Manistee Harbor

Michigan

Canada



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Manistee Harbor, MI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	47	47		47	
CDF					
Maintenance Dredging	400		400	500	
Structural Repairs	209		209	209	
Environmental Activities					
TOTALS	656	47	609	756	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Michigan

Wisconsin

Michigan

Milwaukee Harbor



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Milwaukee Harbor, WI Project Needs and President's Budget**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	176	176		179	
<u>CDF's</u>	230		230	3,000	
Maintenance Dredging	770		770	840	
Structures	490		490	850	
Environmental Activities					
TOTALS	1,666	176	1,490	4,869	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota



Wisconsin

Saginaw River
Michigan

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Saginaw River, MI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	324	324		294	
Operations: Legal defense	150		150	150	
CDF					
Maintenance Dredging	3,318	3,318		3,605	
Structural Repairs					
Environmental Activities					
TOTALS	3,792	3,642	150	4,049	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Michigan

Wisconsin

Green Bay Harbor

Michigan



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Green Bay Harbor, WI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	395	395		305	
<u>CDFs – Renard Island</u>	480		480	825	
Maintenance Dredging	2,732	2212	520	4,000	
Structures					
Environmental Activities					
Studies: Cat Island Section 204	225		225	225	
TOTALS	3,832	2,607	1,225	5,355	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Canada



Michigan

Monroe Harbor

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
 Monroe Harbor, MI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	75		75	92	
CDF					
Maintenance Dredging	425		425	458	
Structural Repairs					
Environmental Activities					
TOTALS	500	0	500	550	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Canada

St Marys River

Michigan

Wisconsin



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
St. Marys River, MI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	2,242	2,242	0	2,178	
<u>CDFs</u>				200	
Strike Removal	2,320	2,320	0	2,390	
Lock Operations	5,377	5,377	0	4,844	
Lock Maintenance	6,572	6,572	0	5,913	
Lock Repairs	1,074	1,074	0	4,975	
Stop Logs	2,600	0	2,600	2,200	
Rock Cut Repair Design				300	
TOTALS	20,185	17,585	2,600	23,000	

* FY08 President's Budget will not be available until February 2007

Current Month: November 2006

Dates: 11-01-06 00:00 to 11-30-06 23:59

Tonnage	Nov 2005	Nov 2006	Change	Percent +/-
American	5,335,481	5,991,196	655,715	12.29%
Canadian	1,437,522	1,394,505	-43,017	-2.99%
Foreign	374,794	535,630	160,836	42.91%
	7,147,797	7,921,331	773,534	10.82%

Year to Date

Dates: 02-01-06 00:00 to 11-30-06 23:59

Tonnage	Feb 2005 to Nov 2005	Feb 2006 to Nov 2006	Change	Percent +/-
American	52,611,437	53,449,077	837,640	1.59%
Canadian	14,303,712	14,424,526	120,814	0.84%
Foreign	3,439,471	4,059,751	620,280	18.03%
	70,354,620	71,933,354	1,578,734	2.24%



US Army Corps
of Engineers

Minnesota

Canada

Duluth-Superior Harbor

Wisconsin



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Duluth-Superior Harbor, MN & WI
Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	477	477		475	
<u>CDEs</u>	125	125		250	
Maintenance Dredging	2,883	2,883		2,500	
Structures	1,705	1405	300	900	
Environmental Activities					
TOTALS	5,190	4,890	300	4,125	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Canada

Wisconsin

Michigan

Grand Haven Harbor



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Grand Haven Harbor and Grand River, MI
Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	40	40		196	
CDF				125	
Maintenance Dredging	415	415		450	
Structural Repairs					
Environmental Activities					
TOTALS	455	455		771	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Canada

Wis



Holland Harbor

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Holland Harbor, MI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	131	131		97	
CDF					
Maintenance Dredging	418	418		425	
Structural Repairs				165	
Environmental Activities					
TOTALS	549	549		687	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Canada

Wisconsin

Michigan

St Joseph Harbor



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
St. Joseph Harbor, MI - Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	62	62		167	
Operations: Legal Defense	125	0	125	100	
CDF	267		267	267	
Maintenance Dredging	388	388		500	
Structural Repairs					
Environmental Activities					
TOTALS	842	450	392	1,034	

* FY08 President's Budget will not be available until February 2007



US Army Corps
of Engineers

Minnesota

Wisconsin

Michigan

Canada

Detroit River



**U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Detroit River, MI - Project Needs and President's Budget (\$1,000)**

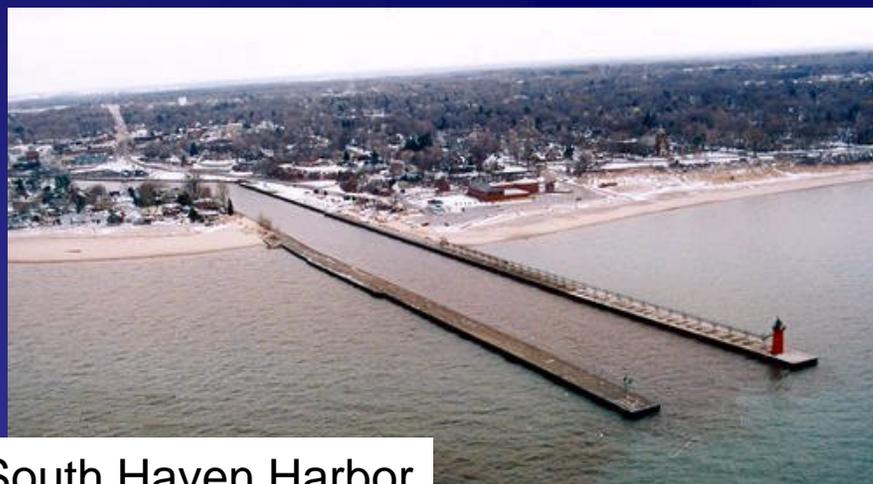
Work Package	FY07 Need	FY07 Budget	Δ	FY08 Need	FY08 Budget*
Operations	725	725		848	
<u>CDFs</u>	260		260	260	
Maintenance Dredging	1,790	1,790		2,000	
Strike Removal	2,216	2,216		2,175	
Structures	600	600		600	
Environmental Activities: Grassy Island				250	
TOTALS	5,591	5,331	260	6,133	

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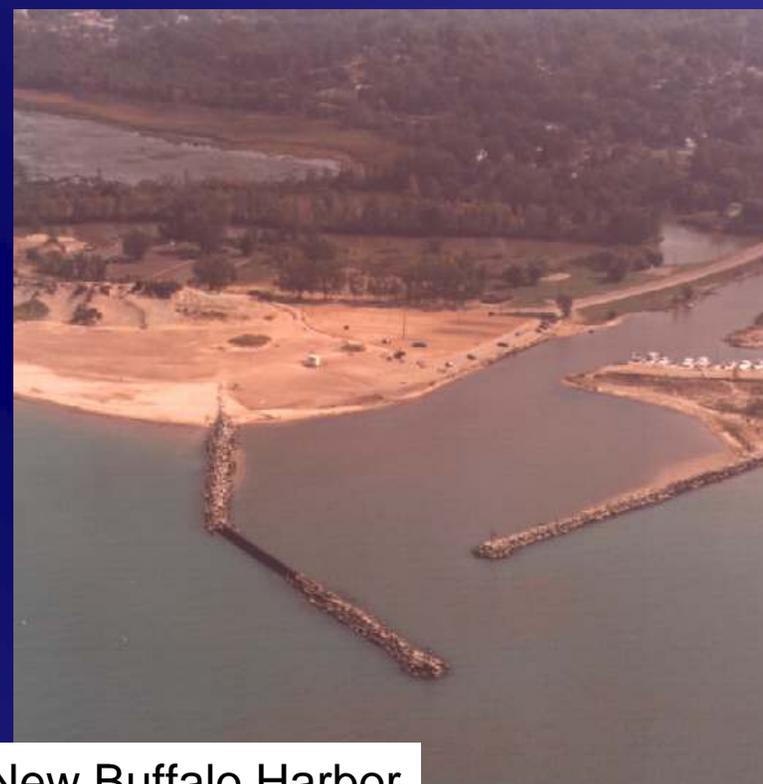


US Army Corps
of Engineers

Maintaining Recreational Harbors on the Great Lakes



South Haven Harbor

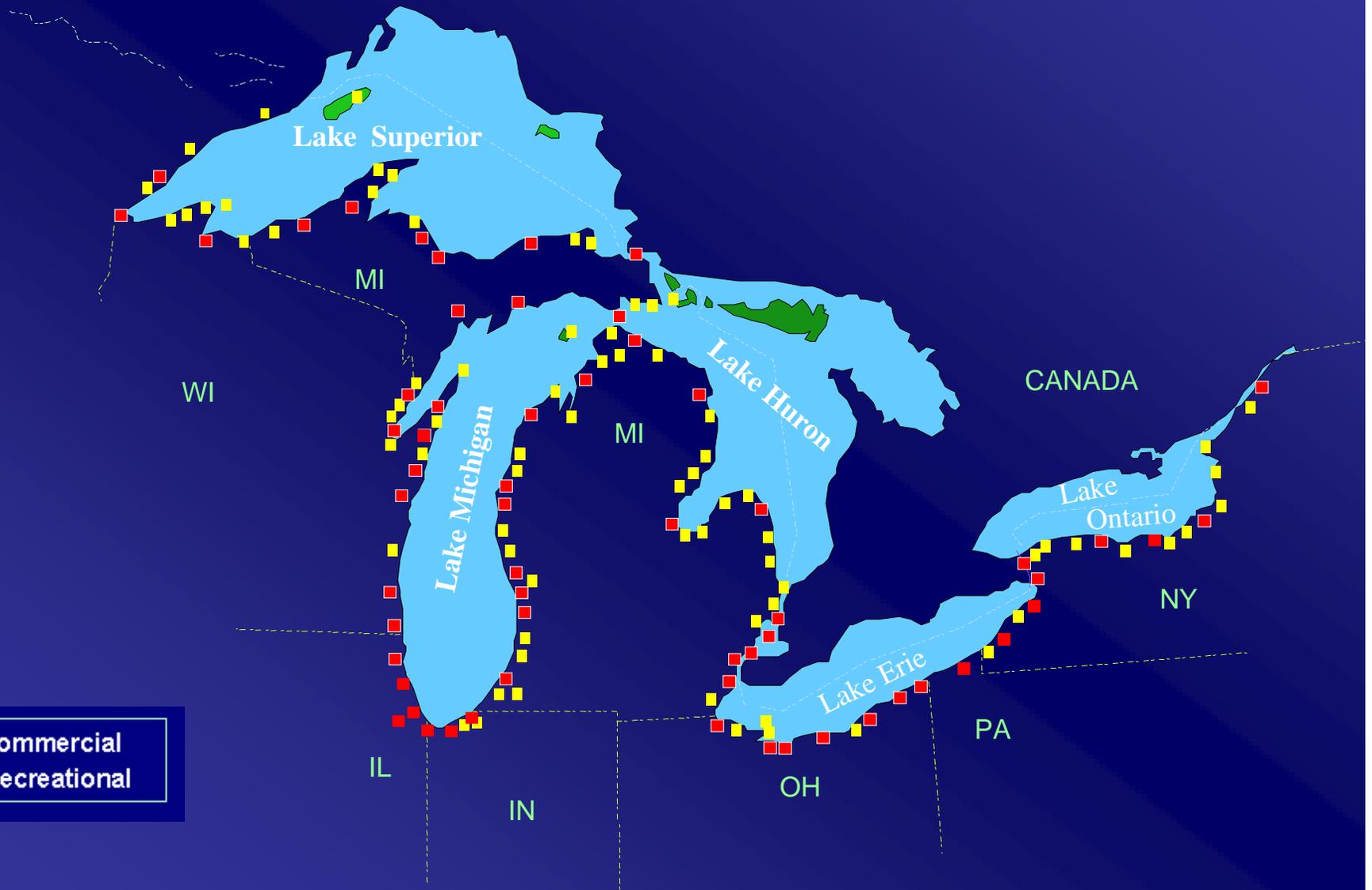


New Buffalo Harbor



US Army Corps
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Federal Harbors on the Great Lakes



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