



## Emergency Dredging Plan Fiscal Years 2013 and 2014 *February 1, 2013*



### Background

- Michigan had over 800,000 registered boats in 2011, ranking 3<sup>rd</sup> highest in the nation
- The total average annual economic impact of registered boats on Michigan's economy yields:
  - \$3.9 billion in trip and craft spending
  - \$1.9 billion in value added
  - \$1.3 billion in personal income
  - 51,329 jobs

### Issue

- Current water levels of Lake Michigan and Lake Huron are at an all-time low.
- Lake Michigan, Lake Huron, and Lake St. Clair are 16 inches lower than their levels from one year ago.
- Lake Erie is 21 inches lower than its level from one year ago.
- Lake Superior is one inch lower than its level from one year ago.
- The levels of Lake Michigan, Lake Huron, and Lake St. Clair are expected to continue dropping.
- As lake levels decrease, dredging needs increase to allow boats to access harbors.
- If dredging needs are not addressed, some harbors will close.

### Dredging Assessment

To estimate the cost of emergency dredging, a survey of all 83 public harbors (63 communities, 19 state, and one federal harbor) was conducted in January, of which 82% responded.

### Dredging Needs

Based on these surveys, the following investments are needed to dredge public harbor channels and basins:

\$ 5,550,000	Federal areas of responsibility (Army Corps of Engineers)
\$ 749,700	State areas of responsibility
<u>\$ 14,661,320</u>	Local areas of responsibility
\$ 20,961,020	Total estimated dredging needs

A total of 49 sites would be dredged with 70% of the investment directed to local communities in the form of grants.

### **Value Proposition for Addressing Dredging Needs**

- Ensure public safety through a Great Lakes Harbor of Refuge Safety Network.
- Preserve access to the Great Lakes.
- Improve recreational boating opportunities statewide (including inland lakes).
- Provide benefit to the greatest number of boaters.
- Provide economic stability to local communities.

### **Planned Outcomes from Addressing Dredging Needs**

**Category #1:** Maintain the Primary Harbor Safety Network (Harbors of Refuge). *See Appendix A for a map of the sites and Appendix B for a list of the dredging needs.*

Each harbor was evaluated against the following criteria to determine whether it:

- Is a Harbor of Refuge as designated by Congress.
- Has been more than three years since it was last dredged as recorded by the Army Corps of Engineers (ACOE).
- Provides direct Great Lakes access (defined as directly on or within a half-mile of a Great Lake).
- Has a channel authorized for dredging by the ACOE.
- Provides transient facilities (defined as having at least 50% of slips available for transient boaters).
- Is more than 30 miles from the next closest adjacent harbor.
- Has a boat launch for trailered boats that provides access to the Great Lakes.

**Category #2:** Preserve access to recreational harbors and boating access sites. *See Appendix A for a map of the sites and Appendix C for a list of the dredging needs.*

- Facilities identified by community survey as having compelling dredging needs.

**Category #3:** Keep boating access sites open in key inland lakes. *See Appendix D for a list of the state facilities with dredging needs.*

- 92% of total watercraft registrations are for trailered boats (26 feet or less) that rely on access to the inland lakes for recreation.
- DNR will redirect staff toward dredging at state facilities with no extra funding.

### **Implementation Plan**

For local public harbors:

- Suspend DNR policy on local grant match requirements (from 50% to 0%).
- Coordinate grants and dredging contracts for economies of scale.
- Provide technical assistance to local communities.

For public harbors with federal areas of responsibility:

- Streamline permitting, where possible, with the DEQ and the ACOE.
- Establish a Memorandum of Understanding with the ACOE on federal project areas.
- Seek reimbursement from the ACOE for state funding used in federal project areas.

For redirection of existing appropriations:

- Seek legislative approval to redirect existing appropriated Waterways projects toward dredging.

**Cost Summary**

<u>Dredging Proposal</u>	<u>Total</u>	<u>Federal</u>	<u>State</u>	<u>Local</u>
Category #1	\$ 14,723,810	\$ 4,500,000	\$ 749,700	\$ 9,474,110
Category #2	\$ 6,237,210	\$ 1,050,000	\$ 0	\$ 5,187,210
Category #3	\$ 0	\$ 0	\$ 0	\$ 0
<b>Total Est. Cost</b>	<b>\$ 20,961,020</b>	<b>\$ 5,550,000</b>	<b>\$ 749,700</b>	<b>\$ 14,661,320</b>

**Funding Summary**

<u>Funding Proposal</u>	<u>FY13 Total</u>
Federal Funds	\$ 0
Waterways Fund	\$ 9,461,020
General Fund	\$ 11,500,000
<b>Total Est. Funding</b>	<b>\$ 20,961,020</b>

The DNR requests support to redirect nearly \$8.8 million of Waterways funding from existing appropriations, allocate \$0.7 million of uncommitted Waterways fund balance, and receive \$11.5 million of General Fund in fiscal year (FY) 2013 to address dredging needs throughout the state. *See Appendix E for a summary of the proposed Waterways funding.* The FY 2013 proposal does not include contingency costs as the DNR feels confident that it can implement these projects at or below the costs identified in the survey by working collaboratively with its partners to achieve efficiencies. The DNR also requests that boilerplate be added to the FY 2013 supplemental that specifies that any federal reimbursement from the ACOE be deposited proportionately in the General Fund and the Waterways Fund.

For FY 2014, the DNR requests that the \$9.4 million in additional revenue to the Waterways Fund generated from the proposed transportation funding package be appropriated for emergency dredging projects. The DNR also requests that boilerplate be added to the FY 2014 budget that specifies that any federal reimbursement from the ACOE for dredging costs be deposited in the Waterways Fund. In the event that the ACOE does reimburse the DNR for the costs of dredging, a like amount of Waterways Fund would be redirected from dredging to other recreational boating projects that were redirected to address emergency dredging projects in FY 2013. The DNR also requests \$6.9 million in FY 2014 for other priority recreational boating projects. *See Appendix F for a summary of the proposed funding.*

The DNR will also include a notice on each grant award for recreational boating projects that the project may be repurposed for dredging at other locations. If the proposed transportation funding package and the FY 2013 supplemental for emergency dredging needs are not enacted, the DNR will reexamine the priorities that were used to develop the FY 2014 budget for waterways projects.



**Category #1**  
**Primary Harbor Safety Network**  
 (Based on Survey Data Collected January, 2013)

Facility	Program	Army Corps Responsibility			Facility Responsibility			Total Cost*	Comments	
		Need	Volume	Cost*	Need	Volume	Cost*			
Alpena Small Boat Harbor	Grant-In-Aid				Yes	23,000	\$ 805,000	\$ 805,000		
Big Bay Harbor of Refuge/Marquette County	Grant-In-Aid	Yes	19,000	\$ 665,000				\$ 665,000		
Burt Twp - Grand Marais Marina	Grant-In-Aid				Yes	15,000	\$ 525,000	\$ 525,000	Quantity Est.	
Charlevoix Municipal Marina	Grant-In-Aid								Three contact attempts	
Frankfort Municipal Marina	Grant-In-Aid	Yes	29,000	\$ 1,015,000	Yes	35,000	\$ 1,225,000	\$ 2,240,000		
Grand Haven Marina	Grant-In-Aid				No				ACOE Scheduled to dredge 2013; Dredging grant already awarded	
Grand Haven - Harbor Island BAS	Grant-In-Aid				Yes	5,143	\$ 180,005	\$ 180,005		
Harbor Beach Municipal Marina	Grant-In-Aid				Yes	20,000	\$ 700,000	\$ 700,000		
Harrisville Harbor of Refuge	Grant-In-Aid				Yes	8,000	\$ 280,000	\$ 280,000		
Houghton County Marina	Grant-In-Aid				No					
L'Anse Marina	Grant-In-Aid								Three contact attempts	
Leland Township Harbor	Grant-In-Aid	Yes	12,000	\$ 420,000				\$ 420,000	Current ACOE depth is 7'	
Manistique Municipal Marina	Grant-In-Aid				Yes	670	\$ 23,450	\$ 23,450	ACOE Scheduled to dredge 2013	
Manistique Municipal Marina	Grant-In-Aid				Yes	5,555	\$ 194,400	\$ 194,400		
Marquette-Presque Isle	Grant-In-Aid				No				Dredging grant already awarded	
Menominee Marina	Grant-In-Aid				Yes	60,000	\$ 2,100,000	\$ 2,100,000	Applying for permit up to 60,000 cy	
Munising Bayshore Marina	Grant-In-Aid				Yes	10,000	\$ 350,000	\$ 350,000		
Naubenway Marina-Garfield Township	Grant-In-Aid				Yes	9,000	\$ 315,000	\$ 315,000	Dredging grant already awarded	
New Buffalo Municipal Marina	Grant-In-Aid	Yes	Not Avail.	\$ 160,000	Yes	25,200	\$ 882,000	\$ 1,042,000		
Ortonagon Village Marina	Grant-In-Aid				No					
Pentwater Municipal Marina	Grant-In-Aid				Yes	463	\$ 16,205	\$ 16,205		
Port Sanilac Municipal Harbor of Refuge	Grant-In-Aid				Yes	8,000	\$ 280,000	\$ 280,000		
Saint Clair - Charles F Moore Boat Harbor	Grant-In-Aid								Three contact attempts	
Sault Ste. Marie - George Kemp Marina	Grant-In-Aid								Three contact attempts	
South Haven Municipal Marina	Grant-In-Aid	Yes	4,000	\$ 140,000	Yes	8,900	\$ 296,050	\$ 436,050	Museum Marina already bid out	
St. James Twp - Beaver Island Marina	Grant-In-Aid				Yes	29,000	\$ 1,015,000	\$ 1,015,000	Quantity Est.	
St. Joseph - West Basin Marina	Grant-In-Aid				Yes	3,000	\$ 105,000	\$ 105,000	Project is already out for bid	
Whitetail - White Lake Municipal Marina	Grant-In-Aid				Yes	5,200	\$ 182,000	\$ 182,000		
DeTour State Harbor	State	No			No					
Eagle Harbor State Harbor	State	No			No					
East Tawas State Harbor	State	No			No					
Fayette SP Shell Shelf State Harbor	State	No			No				7' was shallowest depth per 2012; Under study for dock replacement	
Hammond Bay State Harbor	State	No			No					
Lac La Poudre State Harbor	State	Yes	2,000	\$ 70,000	No			\$ 70,000	5' depth on ACOE inlet	
Little Lake State Harbor	State	Yes	18,000	\$ 630,000	No			\$ 630,000	As shallow as 1 foot in ACOE channel	
Port Austin State Harbor	State	No			Yes	20,000	\$ 700,000	\$ 700,000	Substantial amt. of bedrock present; slated to be dredged 2013	
Presque Isle State Harbor	State	No			No					
Straits State Harbor	State	No			No					
Whitefish Point Harbor	State	No			No				BAS requires yearly dredging	
William G Milliken State Harbor	State	No			Yes	120	\$ 4,200	\$ 4,200	Need for harbor entrance dredging	
Black River Harbor	Federal	No			No				Federal facility	
Cedar River State Harbor	State	Yes	40,000	\$ 1,400,000	Yes	1,300	\$ 45,500	\$ 1,445,500	ACOE # per website; Channel from river to basin 1200 yds; basin ok	
Holland	ACOE channel	Yes							ACOE Scheduled to dredge 2013	
Bay Port	State	No			No					
Bolles Harbor	State	No			No					
		ACOE Total \$ 4,500,000			Facility Total \$ 10,223,810					

**GRAND TOTAL \$ 14,723,810**

\*Assumes \$35/cubic yard except where actual cost data was available  
 Note: All identified needs will be addressed under the proposal



**Category #2**  
**Great Lakes Public Recreational Marinas**  
 (Based on Survey Data Collected January, 2013)

Facility	Program	Army Corps Responsibility			Facility Responsibility			Total Cost*	Comments
		Need	Volume	Cost*	Need	Volume	Cost*		
<b>High Use:</b>									
Esplanade Municipal Marina	Grant-In-Aid				Yes	7,500	\$ 262,500	\$ 262,500	
Elk-Rapids-Edward C Grace Memorial Harbor	Grant-In-Aid				Yes	12,000	\$ 420,000	\$ 420,000	
Elmwood Township Marina	Grant-In-Aid				No				
Boyer City - Grant Moore Marina	Grant-In-Aid				Yes	3,000	\$ 105,000	\$ 105,000	Dredge permit applic. Submitted Quantity Est.
Harbor Springs Municipal Marina	Grant-In-Aid				Yes	20,000	\$ 700,000	\$ 700,000	
Muskegon - Hartshorn Municipal Marina	Grant-In-Aid				Yes	5,000	\$ 175,000	\$ 175,000	ACOE Scheduled to dredge 2013
Lake Erie Metropark Marina	Grant-In-Aid				Yes	6,000	\$ 210,000	\$ 210,000	
Lake St Clair - Metrobeach Metropark Marina	Grant-In-Aid				Yes	15,700	\$ 549,500	\$ 549,500	
Ludington Municipal Marina	Grant-In-Aid				Yes	2,000	\$ 20,000	\$ 20,000	
Northport G Marsten Dame Marina	Grant-In-Aid				Yes	2,500	\$ 87,500	\$ 87,500	
Petoskey City Marina	Grant-In-Aid				Yes	1,400	\$ 49,000	\$ 49,000	
Port Huron - River Street Marina	Grant-In-Aid				Yes	2,057	\$ 71,995	\$ 71,995	
Port Huron - Fort Street Marina	Grant-In-Aid				Yes	2,057	\$ 71,995	\$ 71,995	
St Ignace Municipal Marina	Grant-In-Aid								Three contact attempts
Suttons Bay Marina	Grant-In-Aid								Three contact attempts
Traverse City-Duncan L Clinch Marina	Grant-In-Aid				No				
Mackinac Island State Harbor	State	No			No				
<b>Medium Use:</b>									
Arcadia Township-Veterans Memorial Marina	Grant-In-Aid				Yes	3,800	\$ 133,000	\$ 133,000	Quantity Est.
Bois Blanc Island Marina	Grant-In-Aid								Three contact attempts
Cassville Municipal Harbor	Grant-In-Aid				Yes	18,000	\$ 630,000	\$ 630,000	Quantity Est.
Sault Ste. Marie - Charles T. Harvey Marina	Grant-In-Aid								Three contact attempts
Cheboygan County Marina	Grant-In-Aid				Yes	17,500	\$ 612,500	\$ 612,500	
Cheboygan City Municipal Marina	Grant-In-Aid				Yes	90	\$ 3,150	\$ 3,150	
East Jordan City Marina	Grant-In-Aid				Yes	12,000	\$ 420,000	\$ 420,000	40 slips closed, 18 slips open
Elizabeth Park Marina	Grant-In-Aid								Three contact attempts
Gladstone Municipal Marina	Grant-In-Aid				No				
Houghton City Municipal Marina	Grant-In-Aid								Three contact attempts
Mackinaw City Municipal Marina	Grant-In-Aid				Yes	2,500	\$ 150,000	\$ 150,000	Spring dredge planned
Marquette-Cinder Pond	Grant-In-Aid				No				
Rogers City Marina	Grant-In-Aid				Yes	6,500	\$ 227,500	\$ 227,500	
Copper Harbor State Harbor	State	No			No				
Lexington State Harbor	State	Yes	30,000	\$ 1,050,000	No			\$ 1,050,000	Significant shoaling within ACOE
<b>Low Use:</b>									
Baraga Municipal Marina	Grant-In-Aid								Three contact attempts
Bay City - Liberty Harbor Marina	Grant-In-Aid				Yes	2,222	\$ 77,800	\$ 77,800	
Clark Twp. - Cedarville Harbor	Grant-In-Aid				Yes	1,600	\$ 56,000	\$ 56,000	
Clark Twp. - Hessel Marina	Grant-In-Aid				Yes	2,200	\$ 77,000	\$ 77,000	
Grand Traverse Bay Marina	Grant-In-Aid				Yes	2,222	\$ 77,770	\$ 77,770	
Sebawaing Harbor Marina	Grant-In-Aid								Three contact attempts
Au Gres State Harbor	State	No			No				DNR facility no longer operated/maintained for public use
<b>ACOE Total</b>				<b>\$ 1,050,000</b>					
<b>Facility Total</b>							<b>\$ 5,187,210</b>		
<b>GRAND TOTAL</b>								<b>\$ 6,237,210</b>	

\*Assumes \$35/cubic yard except where actual cost data was available  
 Note: All identified needs will be addressed under the proposal



**Category #3**  
**2013 State Boating Access Site Dredging Needs**

<u>Facillty</u>	<u>Facillty (continued)</u>
AuGres	Leach Lake
AuSable Rivermouth	Lillie Fish Dam
Basellne Lake	Lloyd's Bayou
Bayport BAS	Long Lake
Bergland Dock	Marine City
Big Iron Lake	Maxton Bay
Big Manistique Lake	McDonald Lake
Bootjack Lake	Middle Lake
Bowers Harbor	Miner Lake
Bristol Lake	Mouth of Two-Hearted
Burt Lake	Mullett Lake
Carter Lake	Muskegon SP Snug Harbor
Cedar Lake	Nahma BAS
Clam Lake	North Channel
Clinton River Cutoff	North Higgins
County Line BAS	Norway Reservoir
Crystal Lake	Omans Creek
Decker's Landing	Openo Park
Deer Lake	Otter Lake
DeTour Harbor	Paw Paw East
Douglas Lake	Paw Paw West
Duck Lake	Perch Lake
Duncan Lake	Port Austin Harbor
Dutchman's Bay	Proud Lake BAS (Huron River)
Eagle Lake	Rockport
Eight Point Lake	Rupert Lake
Fine Lake	Rush Lake
Fish Paradise Channel	Saddle Lake
Fisherman's Paradise	Saginaw River Mouth
Fisher's Lake	Schafer Lake
Ford River	School Section Lake
G.M. East Lake	Seul Choix Point
G.M. Island Lake	Silver Lake
G.M. West Lake	Six Mile Lake
Glen Arbor Launch	South Higgins
Glen Lake BAS	Sterling State Park
Glen Lake Channel	Stonington Farm's Dock
Grand Haven	Stump Lake
Grass Lake	Swan Lake
Green Lake	Tahquamenon River
Grindstone City	Tahquamenon River (Upper)
Halls Lake	The Forks
Holst Basin	Three Legged Lake
Indian Lake	Van Auken Lake
Jephtha Lake	West Higgins
Lac La Belle Harbor	West Houghton
Lake Sixteen	Whitefish Harbor

**94 Total State Boating Access Site Facilities**

Note: Staff efforts will be redirected with no extra funding.



**FY 2013 EMERGENCY DREDGING PLAN  
SOURCE OF PROPOSED WATERWAYS FUNDING**

**SUMMARY**

Amount to Redirect From Local Project Appropriations:	\$5,317,900.00
Amount to Redirect From State Project Appropriations:	\$3,420,800.00
Uncommitted Amount to Appropriate From Fund Balance:	\$722,320.00
<b>Total Amount to Appropriate From Waterways Funding:</b>	<b>\$9,461,020.00</b>

**LOCAL PROJECT APPROPRIATIONS**

AY	Appn #	Appn Description	A Current Unencumb. Balance †	B Anticipated Adjustments	C Amount to Retain	D = A+B-C Amount Available to Redirect	Comments
06	36048	Arcadia, Manistee County, marina rehabilitation (total project cost \$1,000,000; state share \$500,000; local share \$500,000)	\$500,000.00	\$0.00	\$0.00	\$500,000.00	
11	36045	Naubinway, Mackinac County, breakwater protection, dredging and engineering, phase II (total authorized cost \$1,800,000; state share \$1,710,000; local share \$90,000)	\$1,495,560.00	\$4,420.00	\$0.00	\$1,600,000.00	DTMB project fees are expected to be reimbursed since phase II will not be moving forward
11	36052	East Jordan, Charlevoix County, dock demolition and rehabilitation, grading and shoreline protection, concrete walkways, utility upgrades, lighting and landscaping (total authorized cost \$2,058,000; state share \$514,400; local share \$1,543,600)	\$514,400.00	\$0.00	\$0.00	\$514,400.00	
12	36034	Infrastructure Improvements - local projects	\$480,000.00	\$0.00	\$72,100.00	\$407,900.00	
12	36055	Cedarville, Mackinac County, dredging, steel sheet piling, parking improvements, launch ramps, docks, updated electrical/utilities, service building (total authorized cost \$2,040,000; state share \$1,020,000; local share \$1,020,000)	\$1,020,000.00	\$0.00	\$0.00	\$1,020,000.00	
13	36034	Infrastructure Improvements - local projects	\$737,000.00	\$0.00	\$0.00	\$737,000.00	
13	36057	Presque Isle, Marquette County, removal and reconstruction of boat launch, phase I (total authorized cost \$402,400; state share \$201,200; local share \$201,200)	\$201,200.00	\$0.00	\$0.00	\$201,200.00	
13	36058	Munising Alger County, east breakwall extension, phase I (total authorized cost \$874,800; state share \$437,400; local share \$437,400)	\$437,400.00	\$0.00	\$0.00	\$437,400.00	
<b>Total:</b>			<b>\$5,385,580.00</b>	<b>\$4,420.00</b>	<b>\$72,100.00</b>	<b>\$5,317,900.00</b>	

†Note: Unencumbered balances as of 1/28/13 (Balances will change daily as long as expenditures continue to occur)

**STATE PROJECT APPROPRIATIONS**

AY	Appn #	Appn Description	A Current Unencumb. Balance †	B Anticipated Adjustments	C Amount to Retain	D = A+B-C Amount Available to Redirect	Comments
12	32046	South Higgins Lake, Roscommon County, new entrance, launch ramp, maneuver area, parking and traffic flow improvements (total authorized cost \$1,000,000; state share \$1,000,000)	\$666,520.08	\$0.00	\$119,420.08	\$749,100.00	Per the Waterways Planning Unit, \$110,385.66 should be retained based on a current work order (Only \$749,134.42 available to redirect).
12	37030	Infrastructure Improvements - state projects	\$413,056.30	\$337,076.42	\$173,131.72	\$577,000.00	Expenditures/encumbrances for three specific projects totaling \$337,076.42 will be moved to federal marine safety.
12	37037	Land acquisition - acquire land for future boating access site development	\$400,000.00	\$0.00	\$0.00	\$400,000.00	
12	37040	Field Initiatives	\$426,699.33	\$0.00	\$5,699.33	\$420,000.00	
12	37046	East Tawas, Isco County, harbor renovation, dock replacements, dredging, fueling station, new electrical/utilities, phase I (total authorized cost \$1,000,000; state share \$1,000,000)	\$856,666.07	\$73,333.33	\$0.00	\$930,000.00	A direct purchase order is being cancelled, which will result in approximately \$930,000 being available to redirect.
13	37030	State Infrastructure Improvement and land acquisition	\$766,031.98	\$0.00	\$441,331.98	\$344,700.00	
<b>Total:</b>			<b>\$3,749,974.36</b>	<b>\$410,408.75</b>	<b>\$739,683.11</b>	<b>\$3,420,800.00</b>	

†Note: Unencumbered balances as of 1/28/13 (Balances will change daily as long as expenditures continue to occur)



**Department of Natural Resources**  
**Revised FY 2014 Capital Outlay Requests (Waterways Boating Program Only)**

PROJECT CATEGORY	PROJECT	BRIEF DESCRIPTION	APPROX. REQUEST	FUNDING SOURCE(S)
Waterways - State Projects	Infrastructure Improvements - State Projects	Lump sum appropriation for infrastructure demolitions, maintenance, repairs, renovations, and replacement/new construction projects at various state boating facilities (including project design and engineering where required).	\$2,640,900	DHS, Federal: \$950,000 Waterways: \$1,690,900
	Fayette State Park - Snail Shell Harbor	Continuation of phase I to replace and expand the existing broadside dock that has deteriorated. Snail Shell Harbor is located adjacent to Fayette Historic State Park in Delta County and serves as a harbor-of-refuge within Lake Michigan's Big Bay de Noc. Total authorized cost is increased from \$400,000 to \$850,000; Federal share is increased from \$300,000 to \$500,000; State share is increased from \$100,000 to \$350,000.	\$450,000	DOI, Federal (BIGP): \$200,000 Waterways: \$250,000
	Selfridge BAS	Phase II: Additional improvements to a state boating access site located on Lake St. Clair in Macomb County. The scope of work will primarily include storm water management improvements, a new entrance location, and parking lot/traffic flow reconfigurations. Total authorized cost is increased from \$2,000,000 to \$3,300,000; Federal share is increased from \$1,600,000 to \$1,988,000; State share is increased from \$500,000 to \$1,312,000.	\$1,300,000	DOI, Federal (Sport Fish): \$488,000 Waterways: \$812,000
	South Higgins Lake State Park BAS	Improvements to a state boating access site located on Higgins Lake in Roscommon County. The scope of work will include a new entrance, launch ramp, maneuver area, and parking lot/traffic flow reconfigurations. The improvements are needed to address traffic congestion that occurs at this heavily used boat launch, which sometimes spills out into the road and creates a hazard. Total authorized cost: \$1,000,000; State share is increased from \$250,000 to \$1,000,000 (Assumes \$750,000 from the AY12 appropriation is redirected for dredging).	\$749,100	Waterways: \$749,100

Total Waterways - State Projects: \$6,040,000

PROJECT CATEGORY	PROJECT	BRIEF DESCRIPTION	APPROX. REQUEST	FUNDING SOURCE(S)
Waterways - Local Projects	Infrastructure Improvements - Local Projects	Lump sum appropriation for infrastructure demolitions, maintenance, repairs, renovations, and replacement/new construction projects at various local boating facilities (including project design and engineering where required).	\$737,000	Waterways
	Menistigue Marina	Improvements to the Menistigue Marina in Schoolcraft County (Phase III). The multi-phase project includes new docks and construction of a new service building. Phase III will provide for the replacement of some of the failing bin-walls (shoreline protection) and part of the floating docks. The marina serves as a harbor-of-refuge for boaters on Lake Michigan and is one of the few major boating facilities in the area. Total cost is increased from \$2,650,000 to \$3,650,000; State share is increased from \$1,330,000 to \$1,830,000; Local share is increased from \$1,330,000 to \$1,830,000.	\$500,000	Waterways
	Marquette - Presque Isle Marina	Improvements to the Presque Isle Marina in Marquette County (Phase I). The scope of work for phase I includes the removal and reconstruction of the existing boat launch. The reconstruction work will include vehicle/trailer parking, relocation and construction of new launch ramps, a new restroom facility meeting ADA standards, and installation of utilities for a future fish cleaning station. Total cost: \$402,400; State share: \$201,200; Local share: \$201,200 (Assumes \$201,200 from the AY13 appropriation is redirected for dredging).	\$201,200	Waterways
	Munising Bayshore Marina	Improvements to the Munising Bayshore Marina in Alger County (Phase I). Phase I will provide for a 370 foot extension of the east breakwall. The breakwall extension is needed to provide additional protection for existing marina infrastructure, as well as dock and slip additions that have been proposed for the future. The marina serves as the only harbor-of-refuge within a forty-mile radius of Munising Bay along the shoreline of Lake Superior. Total cost: \$874,800; State share: \$437,400; Local share \$437,400 (Assumes \$437,400 from the AY13 appropriation is redirected for dredging).	\$437,400	Waterways

Total Waterways - Local Projects: \$1,876,600

PROJECT CATEGORY	PROJECT	BRIEF DESCRIPTION	APPROX. REQUEST	FUNDING SOURCE(S)
Waterways - Emergency Dredging Projects	Emergency Dredging Projects	Lump sum appropriation for emergency dredging projects.	\$9,400,000	Waterways <sup>1</sup>

Total Waterways - Emergency Dredging Projects: \$9,400,000

Total FY 2014 DNR Capital Outlay Requests (Waterways Boating Program Only): \$16,316,600

**FY 2014 Capital Outlay Requests by Fund**

DHS, Federal	\$950,000
DOI, Federal	\$688,000
Waterways	<u>\$14,677,600</u>
<b>Total:</b>	<b>\$16,316,600</b>

<sup>1</sup>Note: In the event that the federal government provides funding to Michigan for dredging projects, a like amount of Waterways Fund would be redirected from dredging to other recreational boating projects that were redirected to address emergency dredging projects in FY 2013.

**FY13 EMERGENCY DREDGING PROPOSAL  
NET INVESTMENT GAINS/(LOSSES) BY COUNTY  
(LOCAL AREAS OF RESPONSIBILITY ONLY)**

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County	Proposed Dredging Investment for Local Areas of Responsibility	Proposed Redirection From Local Waterways Projects *	Net Gain/(Loss)	Comments
Alcona	\$280,000	(\$32,500)	\$247,500	
Alger	\$875,000	(\$437,400)	\$437,600	FY14 Exec Rec includes \$437,400 for Munising Bayshore Marina
Alpena	\$805,000		\$805,000	
Antrim	\$420,000		\$420,000	
Bay	\$77,800		\$77,800	
Benzie	\$1,225,000		\$1,225,000	
Berrien	\$987,000		\$987,000	
Charlevoix	\$1,540,000	(\$540,900)	\$999,100	East Jordan (\$514,400) - Community unable to provide local match
Cheboygan	\$765,650		\$765,650	
Delta	\$262,500		\$262,500	
Emmet	\$749,000		\$749,000	
Grand Traverse	\$77,770	(\$156,200)	(\$78,430)	Traverse City - Boardman River BAS (\$156,200)
Huron	\$1,330,000		\$1,330,000	
Kent	\$0	(\$9,100)	(\$9,100)	
Leelanau	\$87,500	(\$35,000)	\$52,500	
Mackinac	\$448,000	(\$2,520,000)	(\$2,072,000)	Cedarville (\$1,020,000) and Naubinway (\$1,500,000)
Macomb	\$549,500		\$549,500	
Manistee	\$156,450	(\$500,000)	(\$343,550)	Arcadia (\$500,000) - Project stalled due to permitting issues
Marquette	\$0	(\$201,200)	(\$201,200)	FY14 Exec Rec includes \$201,200 for Presque Isle Marina
Mason	\$20,000		\$20,000	
Menominee	\$2,100,000		\$2,100,000	
Montmorency	\$0	(\$10,000)	(\$10,000)	
Muskegon	\$357,000		\$357,000	
Oceana	\$16,205		\$16,205	
Ottawa	\$180,005	(\$39,700)	\$140,305	
Presque Isle	\$227,500	(\$27,000)	\$200,500	
Sanilac	\$280,000		\$280,000	
Schoolcraft	\$194,400		\$194,400	
St. Clair	\$143,990	(\$71,900)	\$72,090	
Van Buren	\$296,050		\$296,050	
Wayne	\$210,000		\$210,000	
<b>Total</b>	<b>\$14,661,320</b>	<b>(\$4,580,900)</b>	<b>\$10,080,420</b>	

\*Note: Excludes \$737,000 that has not yet be allocated to projects from the AY13 local infrastructure improvement lump sum due to the timing of the Waterways grant-in-aid application cycle. These funds will also be redirected per the current proposal.