

Great Lakes AOC Contaminated Sediment Management Plan - December 2015

State	AOC	Site Name / Location	Estimated Volume of Contaminated Sediments	Estimated Cost of Current Phase (Average)	Responsible Office / Authority	Assessment Status (F,P,N) ***	Remediation Complete?	Current Phase	Start Date (Current Phase)	Expected End Date (Current Phase)
IL	Waukegan	Waukegan Harbor [Superfund: Outboard Marine Corp. NPL site]	200,000	\$36,000,000	Superfund	Full	No	Remediation	2012	2013
IL	Waukegan	Waukegan Harbor GLRI Strategic Navigation Dredging	9,735	\$733,000	GLNPO		Yes	Complete	2013	2013
IN	Grand Calumet River	East Branch Grand Calumet River (RCRA: US Steel Project)	786,000	\$30,000,000	RCRA/CWA	Full	Yes	Complete		2002
IN	Grand Calumet River	Grand Calumet River East Branch - Gary Airport Reach (Cline Ave - east to 2nd rail bridge after Industrial Hwy)	TBD	\$600,000	Legacy		No	Assessment	2012	2014
IN	Grand Calumet River	Grand Calumet River - Gary Reach Treatability	TBD	TBD	Legacy		No	Assessment	2014	2015
IN	Grand Calumet River	Grand Calumet River East Branch	1,092,000	\$88,100,000	Legacy	Full	No	Remediation	2013	2014
IN	Grand Calumet River	Grand Calumet River West Branch - Reaches 1,2 (Roxanna Marsh)	600,000	\$52,000,000	Legacy	Full	Yes	Complete	2011	2012
IN	Grand Calumet River	Grand Calumet River West Branch - Reaches 3,4,5 (Hammond Sanitary District)	148,000	\$33,900,000	Legacy	Full	Yes	Complete	2010	2011
IN	Grand Calumet River	Grand Calumet River West Branch - Reaches 6,7 (State Line / NIPSCO)	12,000	\$12,000,000	Legacy	Full	No	Remediation	2015	2016
IN	Grand Calumet River	Indiana Harbor Canal [Corps: WRDA, Indiana Harbor and Ship Canal dredging project]	4,000,000	TBD	Corps	Partial	No	Remediation	2013	
IN	Grand Calumet River	East Chicago Waterway (Lake George, IHC (non-navigational), Junction with GCR)	unknown	\$2,000,000	Legacy	Partial	No	FS/RD	2014	2016
MI	Deer Lake	Deer Lake/Carp River/Carp Creek	2,500,000	N/A	MDEQ	Full	Yes - MNR	Monitored Natural Recovery	2007	2035
MI	Detroit River	Black Lagoon - Trenton Channel	115,000	\$8,700,000	Legacy	Full	Yes	Complete	2005	2005
MI	Detroit River	Connors Creek (City of Detroit)	146,000	\$4,000,000	City of Detroit, Detroit Water and Sewerage Dept		No	Monitoring		
MI	Detroit River	Detroit River / Upper Trenton Channel	300-500,000	\$2,600,000	RCRA / Legacy	Partial	No	Design	2014	2015
MI	Detroit River	Detroit River - Mid-Lower Trenton Channel	unknown	\$600,000	Legacy	Partial	No	Assessment	2014	2015
MI	Detroit River	Detroit River - Celeron Island	unknown	\$600,000	Legacy	Partial	No	Assessment	2013	2014
MI	Detroit River	Detroit River - Ecorse Shoreline	unknown	\$600,000	Legacy	Partial	No	Assessment	2013	2014
MI	Detroit River	Detroit River - Riverbend	unknown	\$600,000	Legacy		No	Assessment	2015	2016
MI	Detroit River	Detroit River - Harbortown	unknown	\$600,000	Legacy		No	Assessment	2016	2017

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MI	Kalamazoo River	Kalamazoo River (Area 1: Plainwell Impoundment)			Superfund					
MI	Kalamazoo River	Kalamazoo River (Area 2: Otsego City Impoundment)			Superfund					
MI	Kalamazoo River	Kalamazoo River (Area 3: Otsego Impoundment)			Superfund					
MI	Kalamazoo River	Kalamazoo River (Area 4: Trowbridge Impoundment)			Superfund					
MI	Kalamazoo River	Kalamazoo River (Area 5: Trowbridge to Allegan City Dam)			Superfund					
MI	Kalamazoo River	Kalamazoo River (Area 6: Lake Allegan)			Superfund					
MI	Kalamazoo River	Kalamazoo River (Area 7: Allegan Dam to Lake Michigan)			Superfund					
MI	Manistique River	Manistique River (Legacy)	150,000	unknown	MDEQ	Full	No	Design	2014	2016
MI	Manistique River	Manistique River [Superfund: Manistique River and Harbor non-time critical removal action]	111,000	\$40 - 50 million	Superfund	Full	Yes	Complete		2004
MI	Muskegon Lake	Zephyr Refinery - Bear Creek Wetlands and Celery Pond	unknown	\$1,300,000	MDEQ	Full	No	Assessment	2012	
MI	Muskegon Lake	Zephyr Refinery - Fire Suppression Ditch	40,000	\$1,155,000	Legacy	Full	No	Design	2013	2015
MI	Muskegon Lake	Division Street Outfall	43,000	\$12,000,000	Legacy	Full	Yes	Complete	2011	2012
MI	Muskegon Lake	Ruddiman Creek	90,000	\$14,200,000	Legacy	Full	Yes	Complete		2006
MI	Muskegon Lake	Ryerson Creek Outfall	TBD	\$550,000	Legacy	Partial	No	Assessment	2012	2014
MI	River Raisin	Raisin River [GLLA]	75,000	\$18,100,000	Legacy		No	Remediation	2012	2016
MI	River Raisin	Raisin River (Corps strategic dredging / advance Maintenance)	69,000	\$800,000	Corps		Yes	Complete		2012
MI	Rouge River	Lower Rouge River "Old Channel"	54,000	\$3,600,000	Legacy	Partial	No	Design	2014	2015
MI	Rouge River	Rouge River (Mainstem)	unknown	unknown	Legacy		No	unknown		
MI	St. Marys River	St. Marys River Former MGP Site (Phase 1)	6,500	\$1,500,000	Legacy	Full	Yes	Complete	2010	2010
MI	St. Marys River	St. Marys River Former MGP Site (Phase 2)	18,000	\$7,000,000	Legacy	Full	Yes	Complete	2010	2011
MI	St. Marys River	St. Marys River, Tannery Bay	41,000	\$8,000,000	Legacy	Full	Yes	Complete		2007
MI	Torch Lake	Torch Lake	unknown	unknown	Superfund		No	Monitored Natural Recovery		
MN	St. Louis River	Bay East of Erie Pier	unknown	unknown	Corps		No	Assessment		
MN	St. Louis River	Bay South of the DM&IR Docks	unknown	unknown	Corps		No	Assessment		
MN	St. Louis River	Bays North & South of the M.L. Hibbard Plant/Duluth Steam District (DSD) No. 2 and Grassy Point	unknown	unknown	Corps		No	Assessment		
MN	St. Louis River	Minnesota Slip	7,500	unknown	unknown		No			
MN	St. Louis River	Slip C	50,000	unknown	unknown		No	Assessment		
MN	St. Louis River	St. Louis Bay / 40th Ave. Complex	unknown	\$1,025,000	Legacy	Partial	No	Assessment	2010	2015

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MN	St. Louis River	St. Louis River/Interlake/Duluth Tar Superfund Site	455,000	\$45,600,000	State Superfund	Full	No	Complete		2012
MN	St. Louis River	St. Louis River/Interlake/Duluth Tar Superfund Site - Carbon Mat (GLLA betterment to Superfund Remedy)	164,000	\$3,000,000	Legacy	Full	Yes	Complete	2009	2010
MN	St. Louis River	St. Louis River/US Steel "Spirit Lake"	200,000	unknown	Legacy	Partial	No	FS/Design	2012	2016
MN	St. Louis River	Upper St. Louis River	unknown	\$800,000	Legacy	Full	No	Assessment	2011	2015
NY	Rochester Embayment	Genesee River	unknown	unknown	NRD	Partial	No	Assessment		
NY	Buffalo River	Buffalo River	500,000	\$43,000,000	Legacy	Full	No	Remediation	2013	2014
NY	Buffalo River	Buffalo River (Corps navigation channel - GLRI)	372,000	\$8,000,000	Corps	Full	No	Complete	2011	2012
NY	Eighteenmile Creek	Eighteenmile Creek	250,000	\$850,000	Superfund	Partial	No	Assessment	2008	
NY	Niagara River	Smokes Creek	unknown	\$350,000	Legacy	Partial	No	Assessment	2010	2013
NY	Niagara River	Niagara River Site Characterization Areas	unknown	\$400,000	Legacy		NO	Assessment	2013	
NY	St. Lawrence River	St. Lawrence River (Massena)	1,000,000	unknown	Superfund		No	Assessment		
OH	Ashtabula	Ashtabula River	500,000	\$60,000,000	Legacy	Full	Yes	Complete	2006	2010
OH	Ashtabula	Ashtabula River (Corps Fed Channel)	132,000	\$13,000,000	Corps	Full	Yes	Complete	2008	2008
OH	Ashtabula	Ashtabula River GLRI Nav Dredging	100,000	\$6,000,000	Corps	Partial	No	Complete		2013
OH	Ashtabula	Ashtabula River (North Slip)	11,000	\$1,428,000	Legacy	Full		Complete	2013	2013
OH	Cuyahoga River	Cuyahoga - RM 0-5.6, Inside Ship Channel (Corps, others)	350,000	unknown	Other		No	unknown		
OH	Cuyahoga River	Cuyahoga Gorge	100,000	unknown	Legacy	Partial	No	Assessment	2010	2011
OH	Cuyahoga River	Cuyahoga River Old Channel (RM 0.9-1.3 Upper End)	60,000	unknown	Legacy	Partial	No	Assessment	2010	2011
OH	Cuyahoga River	Cuyahoga: LaFarge / Mirage Slip (RM 0.1)	15,000	\$1,000,000	unknown		No	Assessment		
OH	Maumee River	Lower Maumee River - (GLLA: outside Ship Channel, I-280 bridge upstream to Walbridge park)	unknown	\$800,000	Legacy	Partial	No	Assessment	2011	2012
OH	Maumee River	Lower Maumee River - (GLLA: outside Ship Channel, I-280 bridge downstream 5 river mi.)	unknown	\$800,000	Legacy	Partial	No	Assessment	2013	2014
OH	Maumee River	Maumee River - RM 0-7 (Corps?, inside Ship Channel, mouth to I-75 Bridge)	300,000	unknown	Other		No	unknown		
OH	Maumee River	Maumee River - RM 0-7 (outside Ship Channel, mouth to I-75 Bridge)	800,000	unknown	unknown		No	unknown		
OH	Maumee River	Maumee River Shipping Channel (Corps?)	600,000	unknown	Other		No	unknown		
OH	Maumee River	Ottawa River (Lower Reaches: RM 0 - RM 3.2)	250,000	unknown	unknown		No	Assessment		
OH	Maumee River	Ottawa River (Upper Reaches: RM 3.2 - RM 8.8)	251,500	\$47,200,000	Legacy		No	Complete		2011
OH	Maumee River	Otter Creek - Lower Reach	120,000	unknown	Legacy	Full	No	Assessment		
OH	Maumee River	Swan Creek - (GLLA: confluence with Maumee upstream to Highland Park (3.75 river mi)	unknown	\$800,000	Legacy	Partial	No	Assessment	2011	2015
WI	Fox River / Green Bay	Fox River/Lower Green Bay [Superfund: OU 1 - Little Lake Butte des Morts]	800,000	\$100,000,000	Superfund	Full	Yes	Complete		2007
WI	Fox River / Green Bay	Fox River/Lower Green Bay [Superfund: OU 2 - Appleton to Little Rapids]	50,000	\$5,000,000	Superfund	Full	Yes	Complete		2009

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WI	Fox River / Green Bay	Fox River/Lower Green Bay [Superfund: OU 3 - Little Rapids to DePere]	500,000	\$30,000,000	Superfund	Partial	No	Implementation		
WI	Fox River / Green Bay	Fox River/Lower Green Bay [Superfund: OU 4- DePere to Green Bay]	6,650,000	\$700,000,000	Superfund	Partial	No	Implementation		
WI	Fox River / Green Bay	Fox River/Lower Green Bay [Superfund: OU 5 - Green Bay] - Monitored Natural Recovery	29,000,000	\$5,000,000	Superfund	Partial	No	Design		
WI	Fox River / Green Bay	Green Bay MGP	unknown	unknown	Superfund		No	unknown		
WI	Fox River / Green Bay	Lower Fox River - Appleton MGP and Hewitt Machines plus two MGP sites at Neenah.	unknown	unknown	unknown		No	unknown		
WI	Fox River / Green Bay	Oshkosh MGP	unknown	unknown	Superfund		No	unknown		
WI	Fox River / Green Bay	Upper Fox River Basin - Silver Creek	unknown	unknown	unknown		No	unknown		
WI	Fox River / Green Bay	Upper Fox River Basin- Fond du Lac River	unknown	unknown	unknown		No	unknown		
WI	Menominee River	Menominee River [RCRA: Ansul site]	259,000	\$124,000,000	RCRA	Full	Yes	Remediation	2011	2013
WI	Menominee River	Tyco/Ansul [GLLA]	36,000	\$26,400,000	GLLA			Remediation	2014	2015
WI	Menominee River	MGP (WPCS)	15,357	\$6,500,000	Superfund			Remediation	2012	2013
WI	Menominee River	Menekaunee Harbor	79,350	\$5,100,000	WDNR			Remediation	2014	2016
WI	Milwaukee Estuary	Blatz Pavilion - WDNR Cleanup	5,000	\$2,000,000	WDNR	Full	Yes	Complete		2008
WI	Milwaukee Estuary	Cedar Creek - Milwaukee River Basin [Superfund: Amcast Industrial Corp. Cedar Creek]	75,000	unknown	Superfund		No	Feasibility		
WI	Milwaukee Estuary	Cedar Creek - Milwaukee River Basin [Superfund: Mercury Marine Cedar Creek]	150,000	unknown	Superfund		No	Feasibility		
WI	Milwaukee Estuary	Cedar Creek - GLLA Betterment	unknown	unknown	Legacy		No		2015	
WI	Milwaukee Estuary	Kinnickinnic River	167,000	\$22,400,000	Legacy	Full	Yes	Complete	2009	2009
WI	Milwaukee Estuary	Lincoln Park (Phase 1 - Lincoln Creek / West Oxbow)	140,000	\$24,600,000	Legacy	Full	Yes	Complete	2010	2012
WI	Milwaukee Estuary	Lincoln Park (Phase 2 - East Oxbow / Milwaukee River)	52,356	\$18,000,000	Legacy	Partial	No	Remediation	2014	2015
WI	Milwaukee Estuary	Milwaukee Estuary [Menomonee R. Superfund: Moss American NPL site]	64,000	\$18,500,000	Superfund	Full	Yes	Complete		2010
WI	Milwaukee Estuary	Kinnickinnic River Mooring Basin	unknown	\$400,000	Legacy		No	Assessment	2015	
WI	Milwaukee Estuary	Milwaukee Estuary [Superfund: Solvay Coke removal action]	50,000	unknown	Superfund		No	Assessment		
WI	Sheboygan River	Sheboygan River [Legacy Act]	150,000	\$33,000,000	Legacy	Full	Yes	Complete	2012	2012
WI	Sheboygan River	Sheboygan River [Strat. Nav dredging - 8th street brdg downstream to mouth]	155,000	\$21,000,000	GLNPO		Yes	Complete		2012
WI	Sheboygan River	Sheboygan River Lower River	60,000	\$11,000,000	Superfund		Yes	Complete	2011	2012
WI	Sheboygan River	Sheboygan River Upper River	35,000	\$15,000,000	Superfund		Yes	Complete	2005	2007
WI	Sheboygan River	Sheboygan River: Camp Marina MGP	15,000	\$10,000,000	Superfund		Yes	Complete	2011	2012
WI	St. Louis River	Hog Island / Newton Creek Inlet	46,000	\$5,700,000	Legacy	Full	Yes	Complete	2006	2006
WI	St. Louis River	Crawford Creek - Lake Superior Basin	unknown	800,000	Legacy		No	Assessment	2013	
WI	St. Louis River	Howards Bay	unknown	710,000	Legacy	Partial	No	FS/RD	2014	
WI	St. Louis River	Howards Bay GLRI Strategic Dredging	200,000	\$3,000,000	Corps	Partial	No	Assessment		
*** Note: Assessment Status Key (F = Fully Assessed, P = Partially Assessed, N = Not Assessed)										
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date: 12/21/15			editor: Mark Loomis (U.S. EPA GLNPO)							