



US Army Corps
of Engineers®



Saginaw River, MI

River Features

- Saginaw River is formed by the union of the Tittabawassee and Shiawassee Rivers, is 22 miles long, and flows northerly into the south end of Saginaw Bay in Lake Huron. The cities of Saginaw and Bay City are on the river.
- Authorization: River & Harbor Acts of 25 Jun 1910, 3 Jul 1930, 26 Aug 1937, 20 Jun 1938, 3 Sep 1954, 23 Oct 1962, 27 Oct 1965
- Deep draft commercial harbor
- Project depths varying from 27 feet in the Saginaw Bay entrance channel to 22 to 26 feet in the Saginaw River channel, and 20 feet in two of the turning basins.
- 2.49M tons of material shipped and received in 2013
- Ranked 25th among the Great Lakes harbors
- Total of 26 miles of federal channels and 5 turning basins
- Material dredged from the upper river federal navigation channel is placed in the Upper Saginaw Dredged Material Disposal Facility, which was constructed in 2008. It is located adjacent to the river approximately 10 miles upstream of the river mouth.
- Material dredged from the federal navigation channels in the lower river and bay is placed in the Saginaw Bay Confined Disposal Facility, located one mile northeast of the mouth of the river in Saginaw Bay.
- Major stakeholders include U.S. Coast Guard, ADM, Bay Aggregates, Bit-Mat Products of Michigan, BMT Terminals, Burroughs Materials Corp., Carrolton Concrete Mix Inc., Conagra, Consumers Energy, C. Reiss Coal, Dow Chemical, Essroc Italcementi Group, Gaviion Grain LLC, General Motors, International Materials, Lafarge North America, Lee Wood Terminal, Marathon Petroleum Co. LLC, Morton Salt, Mosaic, Northern Star Minerals, Peavey Grain, Potash Corp Saskatchewan, and Saginaw Bay Fertilizer.



- Additional major stakeholders include Saginaw Asphalt Paving Co., Saginaw Rock Product, and Sand & Stone Inc., Saginaw River Alliance, Sargent Docks & Terminal Company, SIFTO North American Salt, Triple Clean Liquifuels, and Wirt Stone Docks.

Project Requirements

- Entrance channel in Saginaw Bay requires annual maintenance dredging of approximately 180,000 cubic yards. The upper river channel requires maintenance dredging of 50,000 to 100,000 cubic yards on a 2 to 3 year cycle.
- Maintenance dredging was conducted in 2015, and will be conducted again in 2016.
- The remaining capacity of the Bay CDF has been assessed as part of a Dredged Material Management Plan and at least 20 years of dredged material placement capacity remain.
- A study is ongoing which is looking at the economic feasibility of potentially deepening portions of the Saginaw River authorized navigation channels.

Consequences of Not Maintaining the Project

- Reduction of bulk commodities that pass through the harbor that generate \$2.28B annually in business revenue while supporting 13,095 direct, indirect, and induced jobs that produce over \$665M per year in personal income in transportation and commodity related industries.
- Light loading; loss of between 1 and 2 feet of channel depth results in increased transportation costs of between \$1.4M and \$3.4M annually.

Transportation Importance

- Major receiving port on the Great Lakes
- All Mid-Michigan and thumb of Michigan fertilizer shipped through Saginaw River.
- Commodities include coal, limestone, petroleum products, gypsum, salt, cement, food and grains, as well as fertilizers - potash, urea, DAP, and Ag lime

**U.S. Army Corps of Engineers Fiscal Year (FY) 2015, 2016 and 2017
Saginaw River, MI - Project Requirements and President's Budget (\$1,000)**

Work Package	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 Appropriation	FY17 Requirement	FY17 President's Budget
Project Condition Surveys	371	371	375	375	383	383
Maintenance Dredging – Primary Work Package	2,100	2,100	2,200	2,200	3,200	3,200
Maintenance Dredging – Work Package	2,000		2,000	2,000	5,300	
CDF Fill Management	280	280			270	270
DMMP Development						
Upper Saginaw CDF Operations	250	250	200	200	120	120
TOTAL	5,001	3,001	4,775	4,775	9,273	3,973

Congressional Interests

- Representative Dan E. Kildee D-MI-5
- Senator Gary Peters D-MI
- Senator Debbie Stabenow D-MI