



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 north into the south end of Saginaw Bay in Lake Huron. The cities of Saginaw and Bay City are on the river.
- Authorization: Rivers & Harbors 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 project
- 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
- 3.6M tons of material shipped and received in 2019
- Ranked 19th in tonnage among the Great Lakes harbors in 2019
- 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 (CDF), located one mile northeast of the mouth of the river in Saginaw Bay
- Major stakeholders: 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, and Dow Chemical.



- Additional major stakeholders: Gavilon Grain LLC, General Motors, International Materials, Lafarge, Lee Wood Terminal, Marathon Petroleum Co. LLC, Morton Salt, Mosaic, Northern Star Minerals, Peavey Grain, Potash Corp Saskatchewan, and Saginaw Bay Fertilizer, 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 funded and occurred in 2020. Additional maintenance dredging funding was received in FY21.
- Significant backlog of shoaling in the navigation channel in Saginaw Bay is restricting commercial vessels to one-way traffic.

Project Requirements (cont'd)

- 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.
- The Saginaw CDF stone perimeter was repaired and the dike was raised in 2019.
- Repairs to CDF Offloading Platform required.

Consequences of Not Maintaining the Project

- If harbor closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 21M lbs of harmful particulate matter (PM-10) and increase costs \$3.9M due to increased railroad related accidents and \$6.3M due to increased truck related accidents.
- Light loading; losses of between 2 and 3 feet of channel depth would result in increased transportation costs of between \$1.5M and \$2.4M 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.
- Waterborne transportation facilitated by the harbor supports \$80.5M in business revenue, 348 direct, indirect, and induced jobs, and \$22.8M in labor income to the transportation sector.
- Commodities handled by the harbor support \$1.5B in business revenue, 8,393 direct, indirect, and induced jobs, and \$431.8M in labor income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2019, 2020, and 2021
Saginaw River, MI - Project Requirements and President's Budget (\$1,000)**

Work Package	FY19 Requirement	FY19 Appropriation	FY20 Requirement	FY20 Appropriation	FY21 Requirement	FY21 Appropriation
Maintenance Dredging – Primary Work Package	0	0	2,000	2,000	3,280	2,695
Project Condition Surveys	395	395	409	409	421	421
Bay CDF Fill Mgmt/Incremental Dike Raising	1,500	1,500	0	0	0	0
Upper Saginaw CDF Operations	325	325	330	330	330	330
CDF and DMDF Maintenance	0	0	0	0	820	270
Repairs to CDF Offloading Platform	0	0	0	0	350	0
Engineering & Design – Upper DMDF Weir & Outfall Rehab	200	200	0	0	0	0
Engineering & Design – Utility Investigation	200	200	0	0	0	0
Real Estate Management	5	5	8	8	6	6
TOTAL	2,625	2,625	2,747	2,747	5,207	3,722

Congressional Interests

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