PROJECT INFORMATION SHEET

U.S. ARMY CORPS OF ENGINEERS **BUILDING STRONG**

OM-GLTM-Dam Capacity Study, Regional, MI

Description

The US Army Corps of Engineers (USACE) is tasked with maintaining the navigability of waters of the United States. Historic land use development patterns in the Great Lakes have contributed to an altered state of sediment production entering rivers. Despite massive increase in sediment production, little is delivered to harbors and out to the Great Lakes. This is due to the impoundment of sediment behind a network of dams. As dams collect sediment to capacity, a wave of sediment will move downstream, inundating fisheries habitat and navigation channels. Flooding also increases as channels lose flow capacity and impoundments lose storage. This project is a regional study that looks at the mechanisms influencing sediment production and storage at dams in the Great Lakes. Historic and existing sediment samples at dams will be analyzed to determine how the storage capacity has changed overtime and to forecast the remaining life-span of the impoundments. Sediment loading rates will be determined using several techniques and modeled with Soil and Water Assessment Tool (SWAT).

Congressional Interest

Upton (MI-6), Trott (MI-11), Bergman (MI-1), Moolenaar (MI-4), Gallagher (WI-8); Senator Peters (MI), Senator Stabenow (MI), Senator Johnson (WI), Senator Baldwin (WI), Senator Brown (OH), Senator Portman (OH)

Location Map & Picture

Non-Federal Project Sponsor

NA

Project Authority

Section 516 (e) of the Water Resource Development Act (WRDA) of 1996, as amended – Great Lakes Tributary Model

Funding

	Total	Federal	Non-Federal
Current Working Estimate:	$ 827,900	$ 827,900	$ 0
Funds Allocated prior to FY17:	$ 827,900	$ 827,900	$ 0
E and W Funds Allocated prior to FY17:	$ 485,700	$ 485,700	$ 0
GLRI Funds Allocated prior to FY17:	$ 342,200	$ 342,200	$ 0
FY17 Energy and Water Allocation:	$ 0	$ 0	$ 0
FY17 GLRI Allocation:	$ 0	$ 0	$ 0
FY18 Budget:	$ 0	$ 0	$ 0
Funds required to complete (>FY18):	$	$	$ 0

Stage

Study

Status

The study was initiated in FY13. Analysis efforts have been completed. During FY17 the U.S. Army Corps of Engineers (USACE) shared results and continued efforts to assess the effectiveness of sediment yield forecasting. The final report is underway and scheduled for completion in Q2 FY18.

U.S. ARMY CORPS OF ENGINEERS - DETROIT DISTRICT

PM: Jason Chrumka, 313-226-7762, Jason.A.Chrumka@usace.army.mil

477 Michigan Ave., Detroit, MI 48226-2550

http://www.lre.usace.army.mil

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