



US Army Corps
of Engineers

OM-GLTM-Sediment Delivery Lag Time, MI

Project Location: Great Lakes Basin

Project Description: The purpose of this project is to understand the sediment lag-time inherent in rivers that drain to a federal navigation channel. Considerable money is spent each year through U.S. Department of Agriculture (USDA) programs to encourage farmers to change how they manage their land (tilling practices, cover crops, etc.). One of the benefits of this program is a reduction in the amount of sediment delivered to streams that ultimately lead to a federal navigation channel. We have, however, not seen a reduced need to dredge at the downstream end of these watersheds. This study will examine the lag-time associated with changes to the upstream sediment supply (where is the sediment stored and how long does it take to move through the system). This project is authorized under Section 516 (e) (2) of Water Resource Development Act 1996, as amended – Great Lakes Tributary Modeling (GLTM).

Non-Federal Partner: N/A

Project Status: FY17 consisted of collecting sediment core samples from various watersheds. FY18 analyzed the sediment cores to develop a correlation between the elements found in the samples and the characteristics of the watershed. Results from this study will be utilized in future Regional Sediment Management (RSM) program projects.



Estimated Project Costs	
Federal	110,500
Non-Federal	0
Total	110,500

Point of Contact
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