

Thin Layer Dredge Material Placement for SLAMM

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The following brief document outlines the strategy for thin layer dredge material placement for SLAMM. As per the suggestion of the SLAMM developers, the implementation into SLAMM is to be performed by the developers, so that they can implement it in a manner consistent with their overarching code management philosophy.

Notes on Implementation

Thin layer dredge material placement is typically site specific, occurring at discrete, non-regular intervals in time. Hence, the best manner of implementation into SLAMM is to represent the placement footprint and thickness for each event as a separate spatially explicit input file. Each input file should be assigned a disposal time (or date) in the use define input.

At that time, the information contained in the file is used to define a discrete change in bed elevation and water depth over the footprint of the disposal. SLAMM then proceeds as normal until the next disposal event.