

## DEVELOPING A HISTORICAL BATHYMETRIC DATABASE FOR THE LOWER PASSAIC RIVER

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Large volumes of historical data on the Passaic River are not readily available to researchers as they are in hardcopy microfiche format in US Army Corps of Engineers archives. This data however is vital to understanding the sedimentation history of the Lower Passaic after the cessation of dredging. Scanned hydrographic survey sheets obtained from the US Army Corps of Engineers and converted to GIS data layers. Dates of surveys included 1949, 1966, 1973 and 1985. Scanned images were rectified to 1 meter Digital Orthophotos. Hydrographic point depths were digitized and resulting point locations were interpolated to continuous grids. Future work will examine changes in bathymetry based on these data.