



## ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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### Response Summary:

Performed open water disposal 103 evaluation for water column toxicity based on the results of a standard elutriate test and water column toxicity test on sediment from the Buttermilk Channel in Upper New York Bay to determine water quality compliance and determine the required placement offsets from the disposal site boundaries at the HARS.

### Period of Performance:

Start date: 4/28/20      End date: 5/4/20

### Benefits of the Response to the USACE Dredging/Navigation Program:

The response provided mission essential analysis to secure permit and keep the dredging on schedule.

### Deliverable:

The deliverables consisted of the STFATE input and output files, an Excel file of the clump and volumetric fractions calculations and a table of mixing zone length, width and area and required placement offsets from the disposal site boundaries.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers  
Operations and Maintenance navigation and dredging missions