



Dredge Statistics

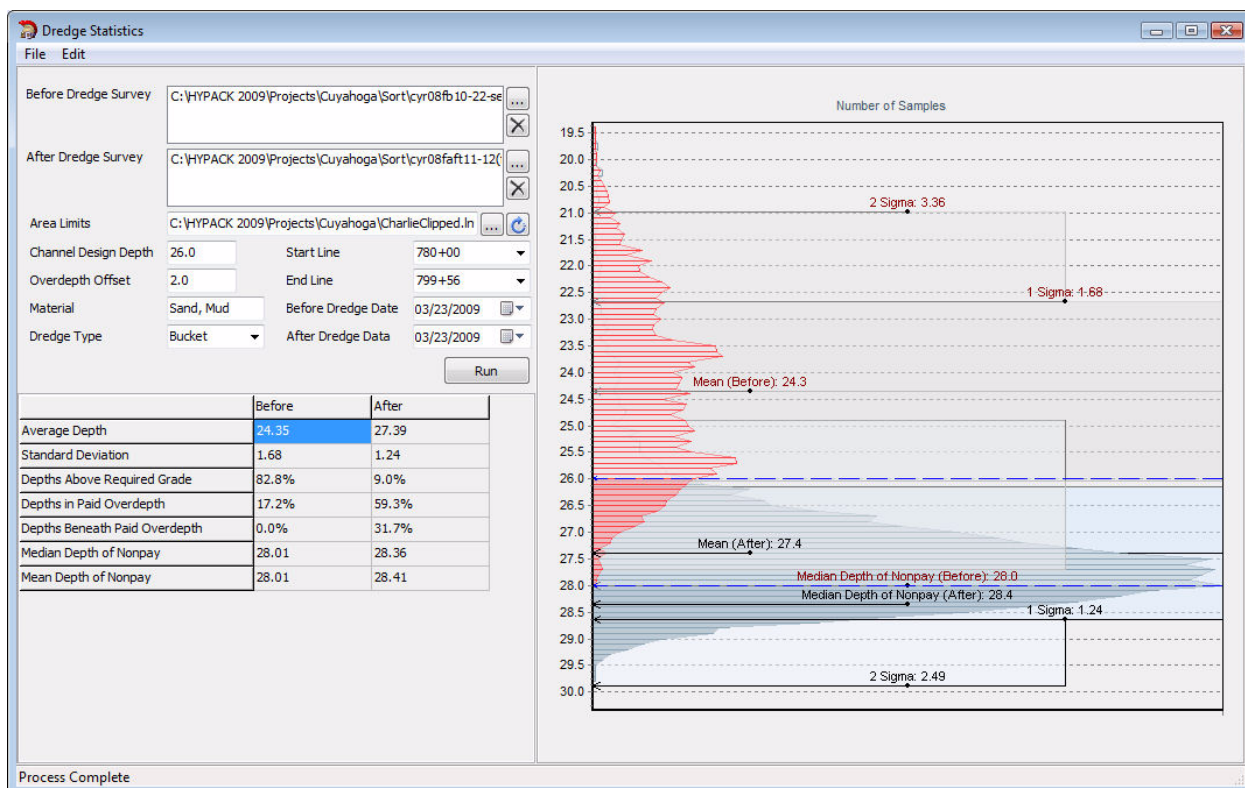
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Dredge Statistics is a new program written for the USACE that calculates the statistics of a dataset to show how many final depths are above and below a specified depth level inside a given area. The program will take one or two datasets, the latter for comparing pre-dredge and post-dredge datasets.

The user specifies the input data (Edited Data, XYZ, or HSX files), an Area Limits file (Line, Border, or Matrix files), a Design Depth, and an Overdredge Offset. The program will then generate the following statistics:

- Mean Z-Value
- 1-sigma and 2-sigma values based on Z-values.
- % of Depths Above Design Depth
- % of Depths In Overdepth Region
- % of Depths Beneath Overdepth Region
- Mean and Median Depths Beneath Overdepth Region.

FIGURE 1. *Dredge Statistics*



In Figure 1 you will notice that the program also displays the information in a distribution chart. If two datasets are provided the pre-dredge information is displayed in red and the post-dredge in blue so you can visually compare the data as well.

DREDGE STATISTICS keeps a Comma Separated Value (CSV) file containing the information from each run. You can also print a report.

This program was not part of the HYPACK® 2009 general release, but is available to all users on the Maintenance Plan. Please contact Technical Support if you would like to obtain a copy or get more information.