Creating a Digital Terrain Model (gridded data base) from manually contoured sparse sounding data

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## **GEBCO Grid a Collaborative Effort**



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INHOMOGENEOUS WORLD SEAFLOOR DATABASE: SHIP TRACKS FOR 1980-1999 PERIOD, COURTESY NGDC. TRACKS FOR SURVEYS USING SIDESCAN SONAR AND/OR SWATH BATHYMETRY ARE A SUBSET OF TRACKS SHOWN HERE (MOST OF THE DENSELY SURVEYED AREAS SHOWN).





### Conceptual Objective Raw Data Final Digital Product











GEBCO-511a















### GEBCO Gridded Bathymetry Production of Supplemental Contours









#### GEBCO Gridded Bathymetry Production of Supplemental Contours















Histogram relating height (km) vs. number of cells in a region of the western N. Atlantic and W. Mediterranean (30W-0N to 30E-60N)





















































# ETOPO5 (DBDB5)

## GEBCO Grid













