

Digital Oceans

Bathymetry of the Gulf of Mexico. Three CD-ROM set. College Station, TX: Texas Sea Grant College Program. TAMU-SG-00-606. \$2,200.

The Texas A&M University Gulf of Mexico/NOAA Bathymetry project uses multibeam and digitized bathymetric data to generate the seafloor relief image of the deep water area in the northern Gulf of Mexico.

Three CD-ROMs generated from the project contain the digital data that have been projected to NAD83 datum. The first contains the georeferenced multibeam soundings in compressed Arc/Info™ point data coverage. The second CD-ROM contains the compressed 50m and 300m gridded xyz ASCII data in individual UTM zones. The third contains the gridded bathymetry data in Arc/Info™ and ArcView™ gridded format. The grid space for the multibeam-covered area is 0.0003° (geographic degree) in the north of 27.25°N and 0.0005° in the south of 27.25°N. The grid space for the digitized bathymetry-covered area is 0.003°. Some of the derived properties (e.g., slope gradient, topographic structure, and drainage paths), color-shaded seafloor image, feature names, MMS lease blocks, etc., are also included in the third CD-ROM. Readme files in the individual CDs provide further details.

Seafloor Relief of Northern Gulf of Mexico Deep Water. Jia Y. Liu and William R. Bryant. 2000. TAMU-SG-00-603. \$400.

The most detailed, up-to-date seafloor morphology of the northern Gulf of Mexico continental slope is depicted on a 68" x 31" laminated bathymetric map. The color-shaded relief map is in Albers Equal Area projection with NAD83 datum, the first standard parallel is at 26°24'N, the second standard parallel is at 29°12'N and the central meridian is at 91°W. The map has a scale of 1:1,000,000 and contains all official feature names.

II. Seafloor Relief of Northern Gulf of Mexico Deep Water. 2000. TAMU-SG-00-604. \$75.

A smaller version (34" x 16") version of the map described above is also available without the same detailed location labeling. This version has a scale of 1:2,000,000 and only contains major feature names.