ABOUT THIS MAP

This map was compiled as part of the Bangladesh gas resources assessment conducted under the Participating Agency Service Agreement (PASA) signed between USAID and the U.S. Department of Energy (DOE). PASA No. 398-P-00-69-00026. The PASA provides for assistance to the natural gas sector pursuant to which the resources assessment was jointly carried out. PASA also encourages transfer of new technology, modeling practices and geoscience theory from existing and established programs in the United States to the Government of Bangladesh, Petrobangla, and Bangladesh academia.


1. Original map was scanned on large format Ideal scanner in color mode with resolution 200 dpi.
2. The scanned image was transformed to Lambert Conformal projection by ArcInfo REGISTR and RECTIFY utilities.
3. Reference points for transformation were latitude-longitude cross points taken from paper map compared with the same cross points projected to Lambert in ArcInfo PROJECT utility. Overall RMS error of transformation was 250 m (0.25 mm on original paper map).
4. On-screen digitization was performed using color rectified map as a backdrop in ArcInfo ARCEDIT.
5. Bouguer gravity values in mGal were assigned to Bouguer item of Arc Attribute Table (AAT) of ArcInfo coverage.
6. Base map data layers - rivers, lakes, cities were digitized as separated coverages.
7. All the ArcInfo coverages were converted into .E80 files, then imported to ArcView by IMPORT utility and saved as shape files.

Country boundary coverage used on the map is the property of Environmental System Research Institute, Inc. (ESRI) and is used with permission.

Map Explanation

Contours showing Bouguer gravity anomaly field intensity. Primary interval 2 mGal (milligal).

-168 to -130
-128 to -90
-88 to -60
-58 to -40
-38 to -20
-18 to 10

Country Boundary

(RSRI ArcWorld 1.3M)

Rivers

Ocean and wide river

Scale 1:1,000,000

Projection = Lambert Conformal Conic

Spheroid = Clarke 1880

Central Meridian = 87° W

1st standard parallel = 22° N

2nd standard parallel = 26° N

30 0 30 60 90 Miles

0 40 80 120 Kilometers

DIGITALLY COMPILED BY F.M. PERSILS, C.J. WANDREY, (USGS), AND ABDULLAH MANWAR, (DIRECTOR GENERAL, GEOLOGICAL SURVEY OF BANGLADESH)

1990

BOUGUER GRAVITY ANOMALY MAP OF BANGLADESH


1990