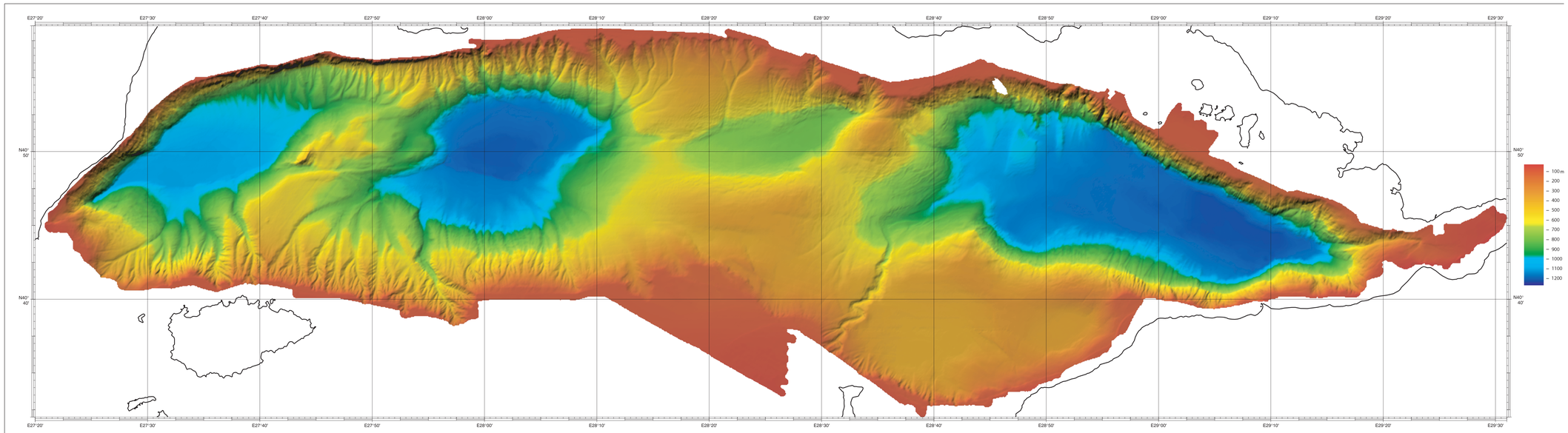


Ifremer

Plate : 1

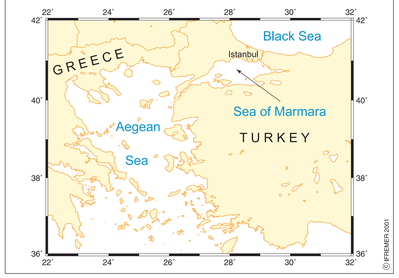
SEA of MARMARA

BATHYMETRY and REFLECTIVITY MAPS

Data collected on board *R.V.* Le Suroît September 2000

Chief scientists : Xavier LE PICHON (Collège de France, ENS), Celal ŞENGÖR (ITÜ) and Emin DEMIRBAĞ (ITÜ)
and onboard the scientific party
Atlas prepared by :
Scientific team : Claude **RANGIN** (CNRS-ENS),
Emin **DEMIRBAĞ** and Cansaf **İMREN** (ITÜ)
Technical team : Alban **CRUSSON**, Alain **NORMAND**,
Eliane **Le DREZEN** (Ifremer) and André **Le BOT** (GENAVIR)

Scale 1/250 000
Mercator projection at N 0°
Ellipsoid WGS 84



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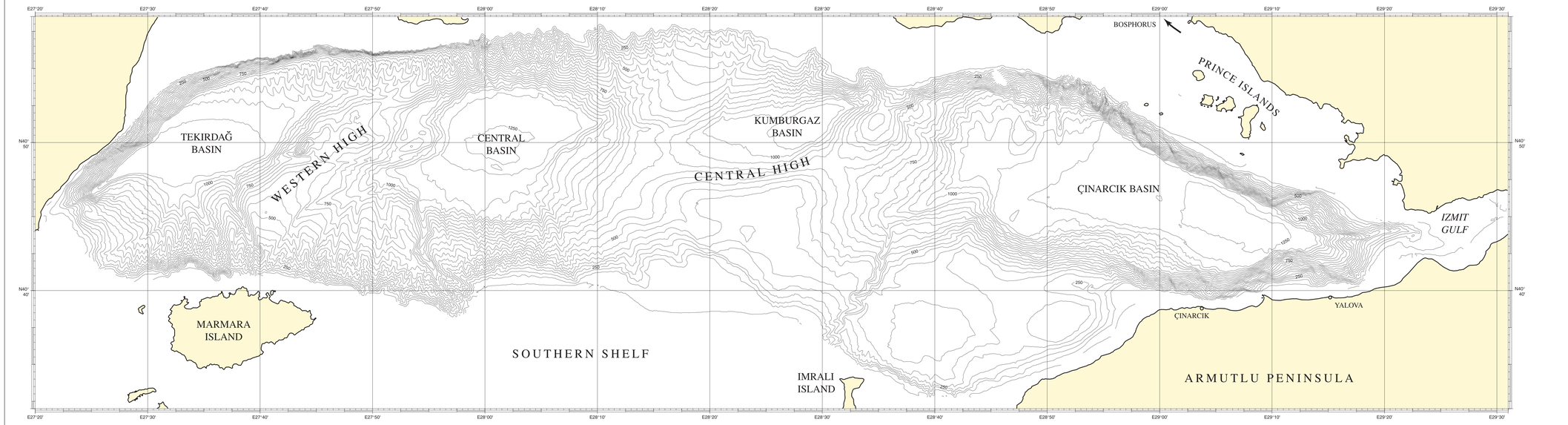
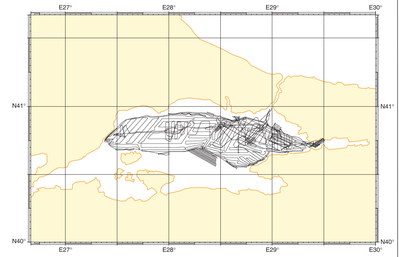


BATHYMETRIC TRACKLINES



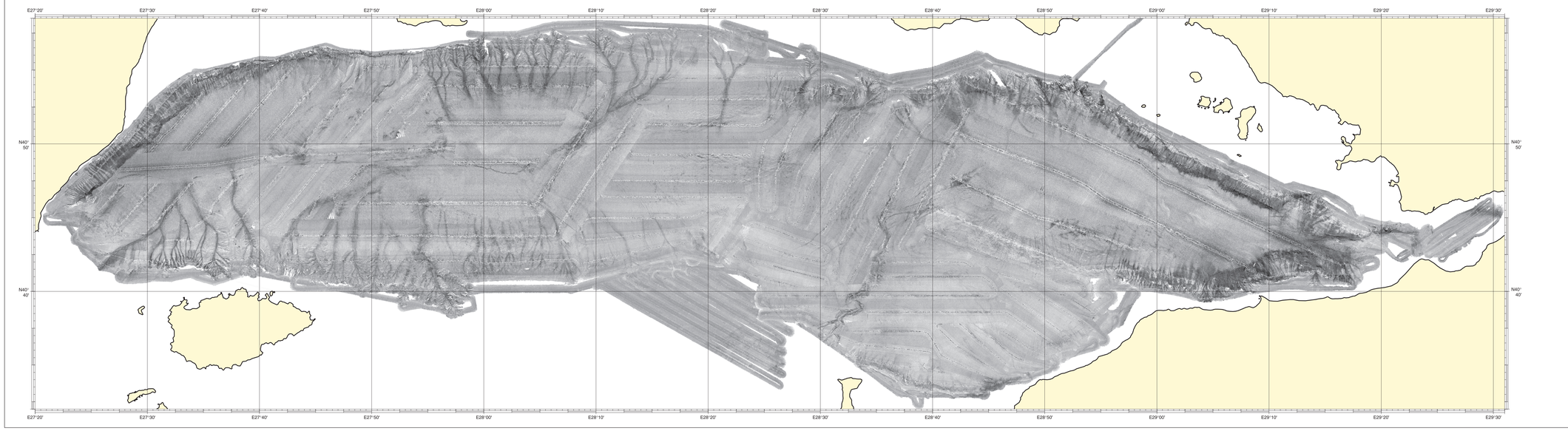
DESCRIPTION OF THE MAPS

Top Map : Colour shaded bathymetric map. Depths are indicated on the coloured scale. Three distinct basins (deeper than 1000 m) appear in blue seperated by two highs. The northern shelf is narrow, the shelf break is about 100 m deep. The southern shelf is wide and the shelf break is not so well marked.

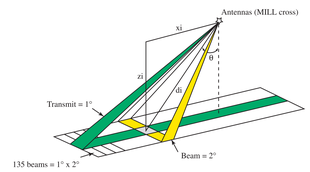
Middle map : Bathymetric map with 50 m countour interval as well as main local names.

Lower map : Bottom reflectivity map. Reflectivity is controlled by the slope gradient and the hardness (black) or the softness (white) of the bottom surface.

Please consult the attached booklet for guidelines of morphological descriptions.



PRINCIPLE of BATHYMETRIC MEASUREMENT



xi, zi = Cartesian coordinates
di, θ = polar coordinates
} relative to a origin (x0, y0, z0) on board *Le Suroît*

Coast line is from the Department of Navigation Hydrography and Oceanography (SHOD) of the Turkish Navy.

Warning : This map is scientific document, do not use for navigation.